

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013120\
 Data File : BM024680.D
 Acq On : 31 Jan 2020 17:59
 Operator : CG/JU
 Sample : PB126499BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB126499BS

Manual Integrations
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Quant Time: Feb 01 02:17:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 23 14:57:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	203472	20.00	ng	-0.02
21) Naphthalene-d8	10.18	136	744470	20.00	ng	-0.02
39) Acenaphthene-d10	14.07	164	513706	20.00	ng	-0.02
64) Phenanthrene-d10	16.83	188	1192936	20.00	ng	-0.02
76) Chrysene-d12	21.04	240	1246895	20.00	ng	-0.01
87) Perylene-d12	23.15	264	1397838	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	553299	51.71	ng	-0.01
7) Phenol-d6	6.62	99	411335	27.91	ng	-0.02
23) Nitrobenzene-d5	8.56	82	1273400	83.88	ng	-0.02
42) 2,4,6-Tribromophenol	15.58	330	895583	107.18	ng	-0.01
45) 2-Fluorobiphenyl	12.69	172	3564297	94.33	ng	-0.02
79) Terphenyl-d14	19.49	244	7124598	106.67	ng	-0.01

Target Compounds					Qvalue
2) 1,4-Dioxane	3.06	88	85721	20.254 ng	92
3) Pyridine	3.44	79	172305	14.044 ng	96
4) n-Nitrosodimethylamine	3.35	42	96420	17.705 ng	88
6) Aniline	6.76	93	285120	15.891 ng	97
8) 2-Chlorophenol	7.00	128	567133	46.564 ng	93
9) Benzaldehyde	6.58	77	332603	38.192 ng	94
10) Phenol	6.65	94	223055	15.182 ng	93
11) bis(2-Chloroethyl)ether	6.87	93	525061	44.642 ng	93
12) 1,3-Dichlorobenzene	7.32	146	637571	42.610 ng	96
13) 1,4-Dichlorobenzene	7.46	146	648260	42.706 ng	96
14) 1,2-Dichlorobenzene	7.77	146	624927	42.650 ng	98
15) Benzyl Alcohol	7.67	79	349246	28.740 ng	93
16) 2,2'-oxybis(1-Chloropropan	7.96	45	382654	35.539 ng	98
17) 2-Methylphenol	7.88	107	374207	36.144 ng	94
18) Hexachloroethane	8.49	117	217438	37.095 ng	92
19) n-Nitroso-di-n-propylamine	8.23	70	418675	37.834 ng	94
20) 3+4-Methylphenols	8.20	107	449792	31.384 ng	97
22) Acetophenone	8.24	105	864391	45.029 ng	95
24) Nitrobenzene	8.60	77	644511	44.305 ng	96
25) Isophorone	9.13	82	1152104	44.666 ng	97
26) 2-Nitrophenol	9.31	139	363012	53.891 ng	89
27) 2,4-Dimethylphenol	9.39	122	512025	55.937 ng	93
28) bis(2-Chloroethoxy)methane	9.62	93	706234	44.821 ng	98
29) 2,4-Dichlorophenol	9.85	162	669415	54.129 ng	97
30) 1,2,4-Trichlorobenzene	10.06	180	701293	47.019 ng	99
31) Naphthalene	10.23	128	1771596	47.115 ng	100
32) Benzoic acid	9.50	122	122851m	14.672 ng	
33) 4-Chloroaniline	10.35	127	242807	14.732 ng	96
34) Hexachlorobutadiene	10.53	225	445077	43.167 ng	99
35) Caprolactam	11.13	113	31209m	7.866 ng	
36) 4-Chloro-3-methylphenol	11.49	107	599054	45.555 ng	90
37) 2-Methylnaphthalene	11.86	142	1405463	48.435 ng	98
38) 1-Methylnaphthalene	12.08	142	1337055	48.440 ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.25	216	884541	48.245 ng	99

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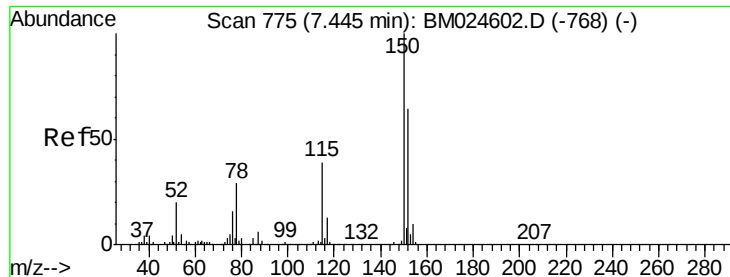
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Quant Time: Feb 01 02:17:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
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 QLast Update : Thu Jan 23 14:57:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.23	237	997733	97.088	nq	99
43) 2,4,6-Trichlorophenol	12.49	196	617961	52.966	nq	97
44) 2,4,5-Trichlorophenol	12.56	196	660860	55.463	nq	# 95
46) 1,1'-Biphenyl	12.90	154	1875577	48.245	nq	99
47) 2-Chloronaphthalene	12.93	162	1516827	48.330	nq	98
48) 2-Nitroaniline	13.15	65	373895	39.061	nq	85
49) Acenaphthylene	13.79	152	2398868	51.058	nq	100
50) Dimethylphthalate	13.55	163	2015572	48.522	nq	99
51) 2,6-Dinitrotoluene	13.66	165	456469	51.686	nq	86
52) Acenaphthene	14.14	154	1412837	48.460	nq	99
53) 3-Nitroaniline	13.99	138	168400	18.384	nq	92
54) 2,4-Dinitrophenol	14.20	184	566202	107.210	nq	# 86
55) Dibenzofuran	14.48	168	2414785	50.787	nq	96
56) 4-Nitrophenol	14.32	139	308942	43.147	nq	85
57) 2,4-Dinitrotoluene	14.46	165	644460	50.916	nq	# 84
58) Fluorene	15.13	166	1950637	48.818	nq	99
59) 2,3,4,6-Tetrachlorophenol	14.72	232	648079	53.634	nq	94
60) Diethylphthalate	14.94	149	1965223	46.600	nq	97
61) 4-Chlorophenyl-phenylether	15.14	204	1099047	47.709	nq	99
62) 4-Nitroaniline	15.16	138	412159	40.764	nq	91
63) Azobenzene	15.43	77	1512665	42.051	nq	94
65) 4,6-Dinitro-2-methylphenol	15.23	198	416389	59.364	nq	86
66) n-Nitrosodiphenylamine	15.36	169	1742313	50.845	nq	99
67) 4-Bromophenyl-phenylether	16.03	248	741518	49.984	nq	97
68) Hexachlorobenzene	16.14	284	877570	51.549	nq	96
69) Atrazine	16.33	200	731810	55.637	nq	98
70) Pentachlorophenol	16.49	266	1124465	108.438	nq	98
71) Phenanthrene	16.87	178	3222708	49.888	nq	100
72) Anthracene	16.96	178	3308698	52.345	nq	100
73) Carbazole	17.24	167	2940470	51.102	nq	99
74) Di-n-butylphthalate	17.83	149	3479630	47.302	nq	99
75) Fluoranthene	18.90	202	4120940	51.111	nq	99
77) Benzidine	19.10	184	1191719	41.039	nq	100
78) Pyrene	19.26	202	4220894	51.349	nq	100
80) Butylbenzylphthalate	20.20	149	1599352	46.369	nq	92
81) Benzo(a)anthracene	21.03	228	4311281	49.817	nq	100
82) 3,3'-Dichlorobenzidine	20.97	252	1180209	37.911	nq	99
83) Chrysene	21.08	228	4141194	50.148	nq	100
84) Bis(2-ethylhexyl)phthalate	21.00	149	2358148	46.335	nq	98
85) Di-n-octyl phthalate	21.85	149	4043693	48.092	nq	# 96
86) Indeno(1,2,3-cd)pyrene	25.22	276	5135549	57.058	nq	98
88) Benzo(b)fluoranthene	22.53	252	4683535	51.660	nq	99
89) Benzo(k)fluoranthene	22.57	252	4263291	48.176	nq	99
90) Benzo(a)pyrene	23.06	252	4058960	49.243	nq	99
91) Dibenzo(a,h)anthracene	25.23	278	4353990	55.654	nq	99
92) Benzo(g,h,i)perylene	25.85	276	4294469	60.453	nq	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

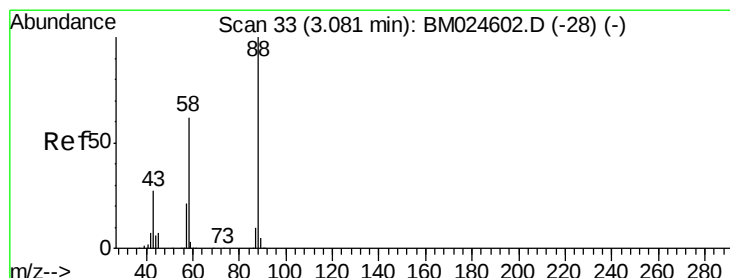
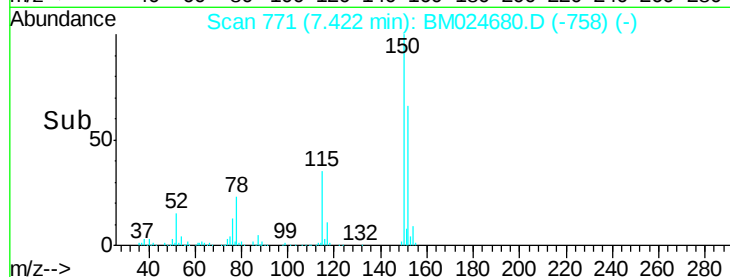
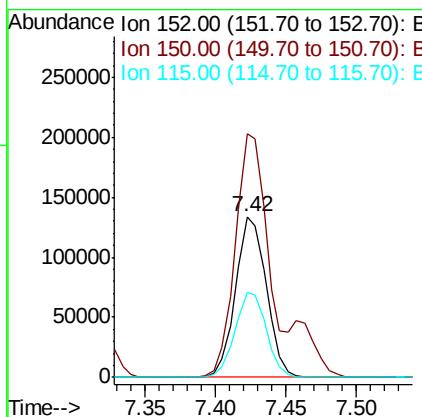
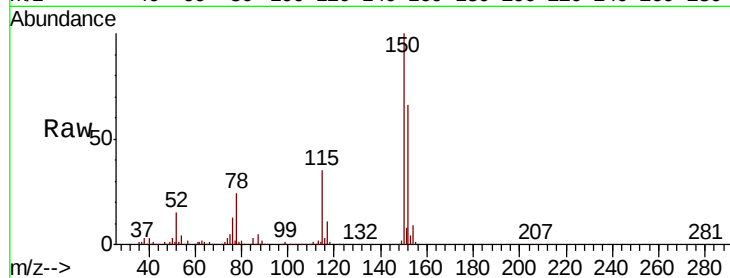
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.42 min Scan# 771
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Instrument :
BNA_M
ClientSampled :
PB126499BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	124.2	186.4
115	52.8	48.6	72.8

Manual Integrations
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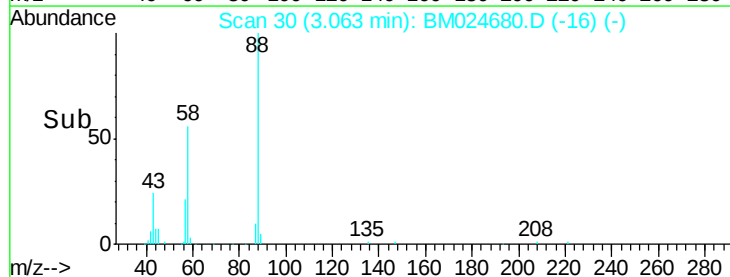
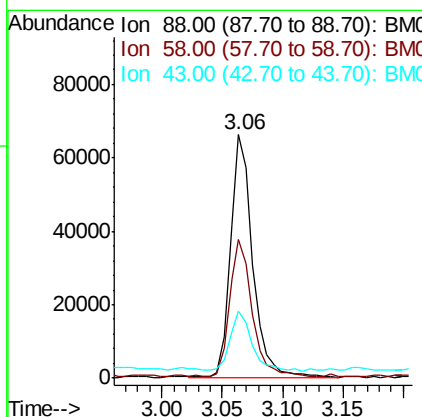
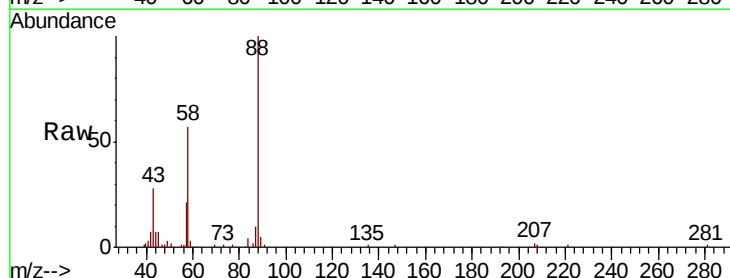
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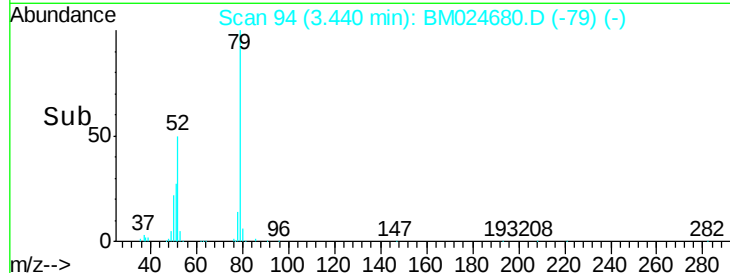
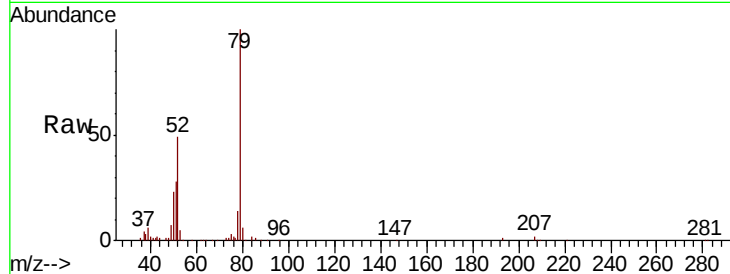
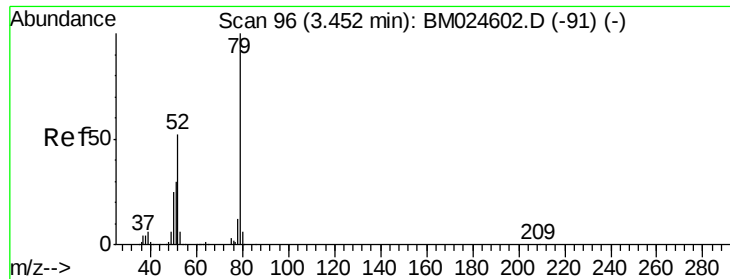


#2

1,4-Dioxane
Concen: 20.254 ng
RT: 3.06 min Scan# 30
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Tgt Ion	Ratio	Lower	Upper
88	100		
58	55.8	50.0	75.0
43	24.3	21.6	32.4





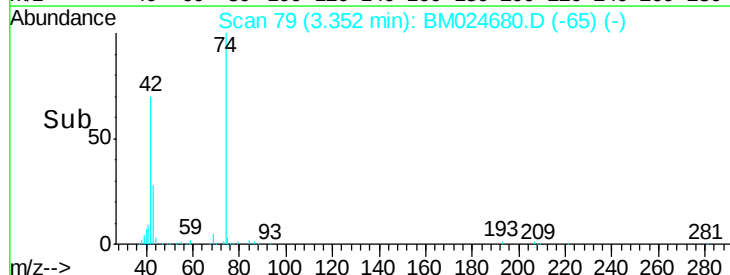
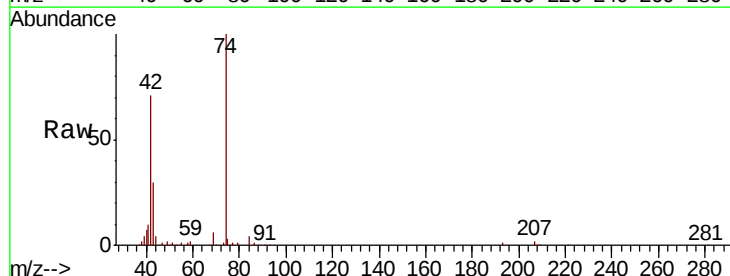
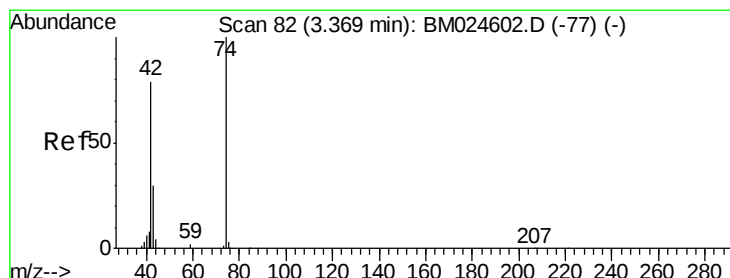
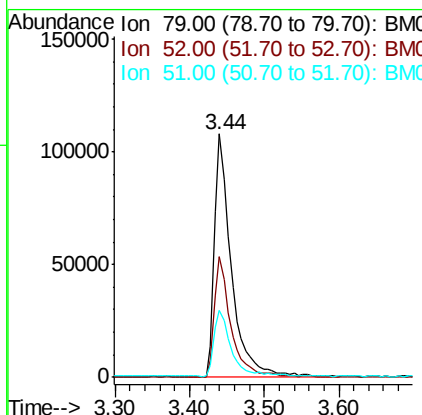
#3
 Pvridine
 Concen: 14.044 ng
 RT: 3.44 min Scan# 94
 Delta R.T. -0.01 min
 Lab File: BM024680.D
 Acq: 31 Jan 2020 17:59

Tot Ion	79	Resp	172305
Ion Ratio	Lower	Upper	
79	100		
52	49.5	41.4	62.2
51	27.5	23.8	35.8

Instrument :
 BNA_M
 ClientSampled :
 PB126499BS

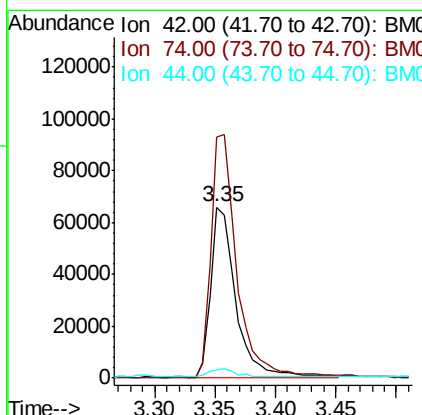
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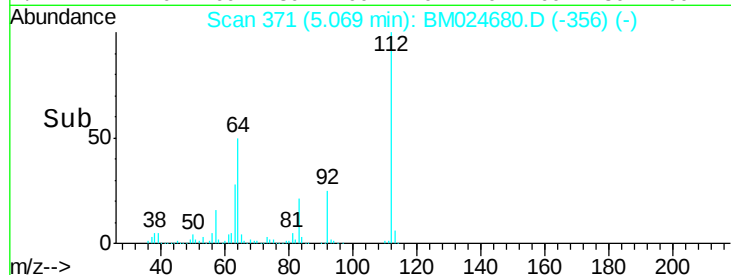
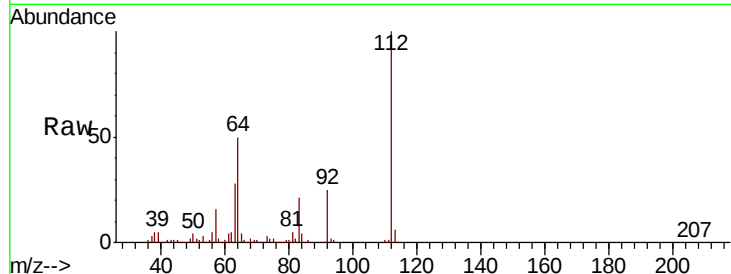
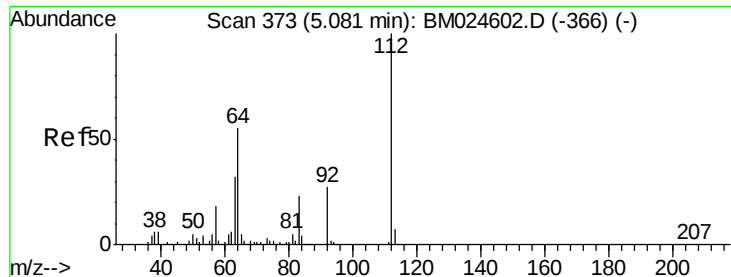
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#4
 n-Nitrosodimethylamine
 Concen: 17.705 ng
 RT: 3.35 min Scan# 79
 Delta R.T. -0.02 min
 Lab File: BM024680.D
 Acq: 31 Jan 2020 17:59

Tgt Ion	42	Resp	96420
Ion Ratio	Lower	Upper	
42	100		
74	141.2	101.4	152.2
44	5.0	4.6	6.8





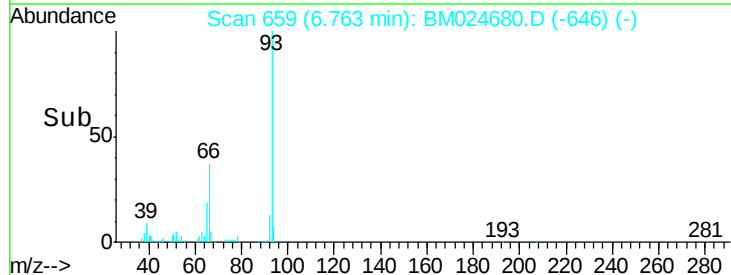
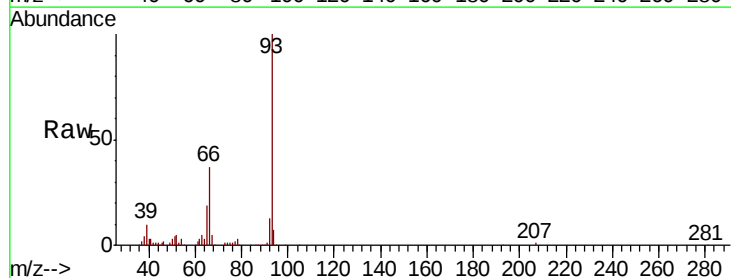
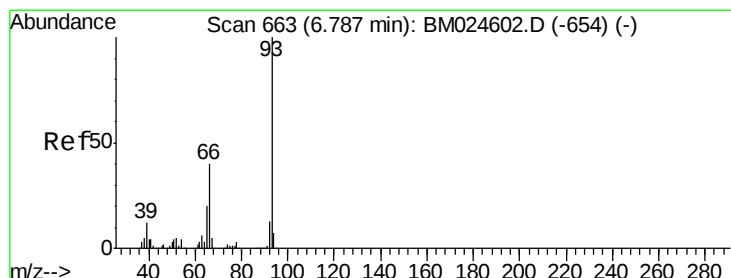
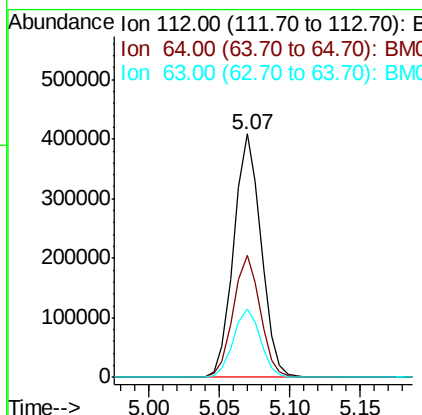
#5
2-Fluorophenol
Concen: 51.714 ng
RT: 5.07 min Scan# 371
Delta R.T. -0.01 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Tot Ion	Ratio	Resp	Lower	Upper
112	100	553299		
64	50.0		44.2	66.4
63	27.9		25.9	38.9

Instrument :
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ClientSampleId :
PB126499BS

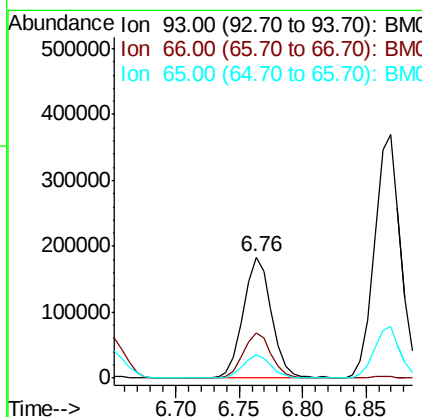
Manual Integrations
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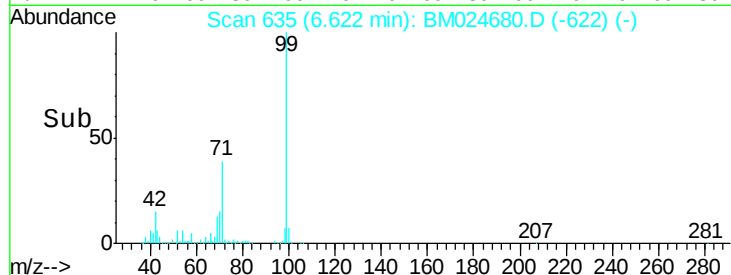
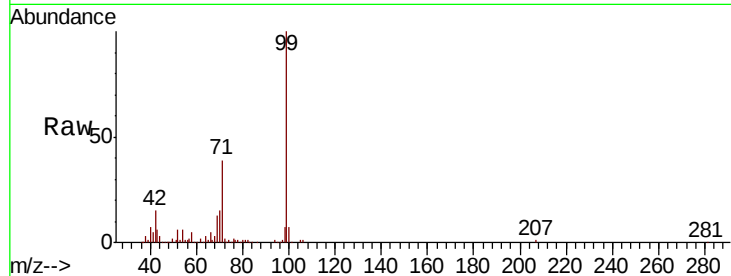
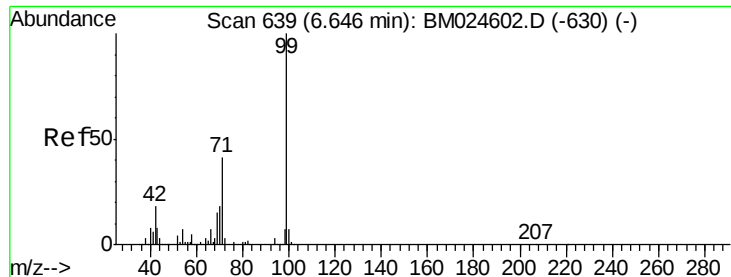
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#6
Aniline
Concen: 15.891 ng
RT: 6.76 min Scan# 659
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	285120		
66	37.4		31.8	47.8
65	19.4		15.8	23.6





#7

Phenol-d6

Concen: 27.908 ng

RT: 6.62 min Scan# 635

Delta R.T. -0.02 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		411335		
42	14.7	14.1	21.1		
71	38.7	33.0	49.6		

Instrument :

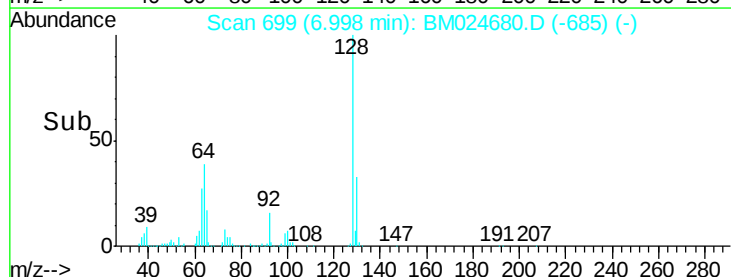
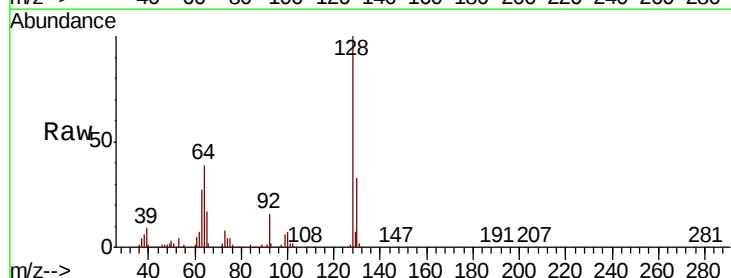
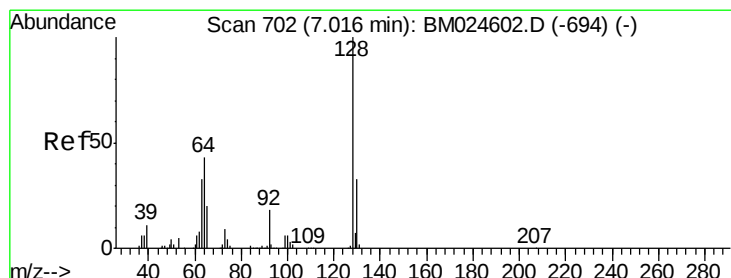
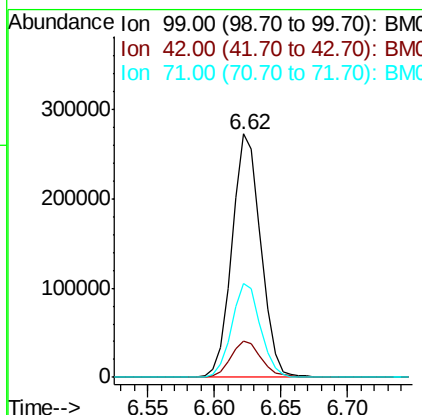
BNA_M

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#8

2-Chlorophenol

Concen: 46.564 ng

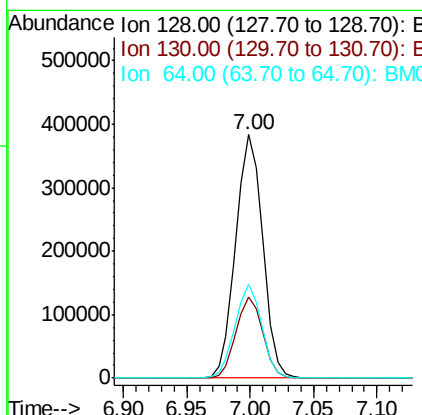
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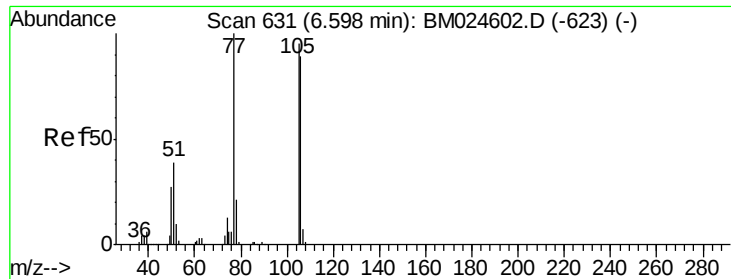
Delta R.T. -0.02 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		567133		
130	33.2	12.5	52.5		
64	38.7	26.1	66.1		





#9

Benzaldehyde

Concen: 38.192 ng

RT: 6.58 min Scan# 627

Delta R.T. -0.02 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Instrument :

BNA_M

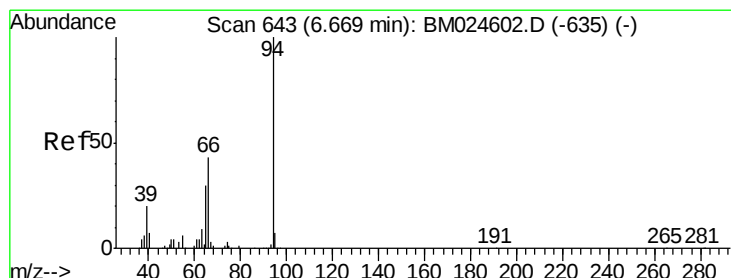
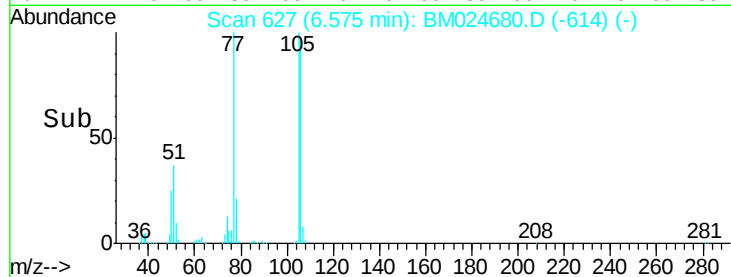
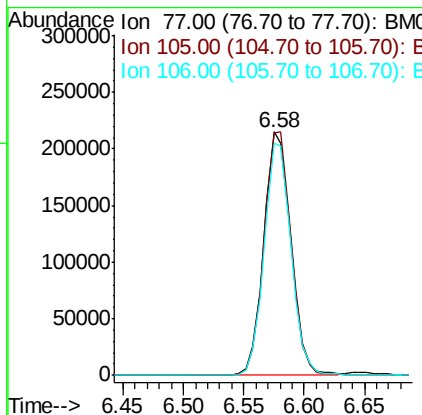
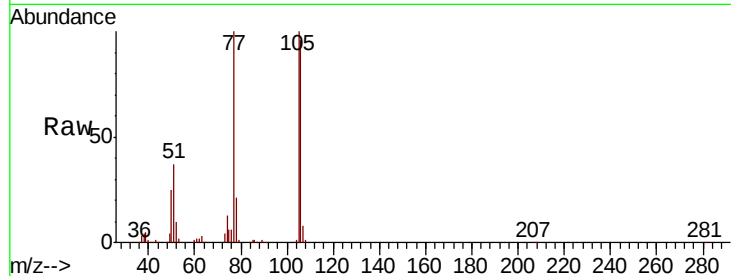
ClientSampleId :

PB126499BS

Tot Ion:	77	Resp:	332603
Ion Ratio	Lower	Upper	
77	100		
105	99.6	75.2	115.2
106	95.5	68.6	108.6

Manual Integrations
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#10

Phenol

Concen: 15.182 ng

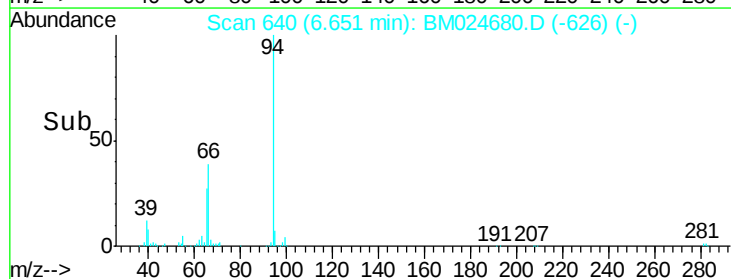
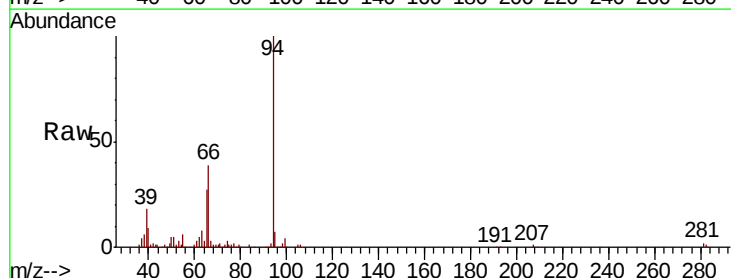
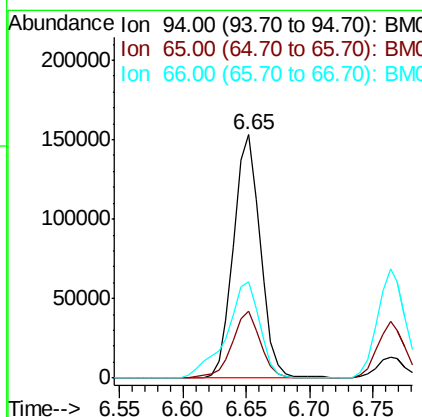
RT: 6.65 min Scan# 640

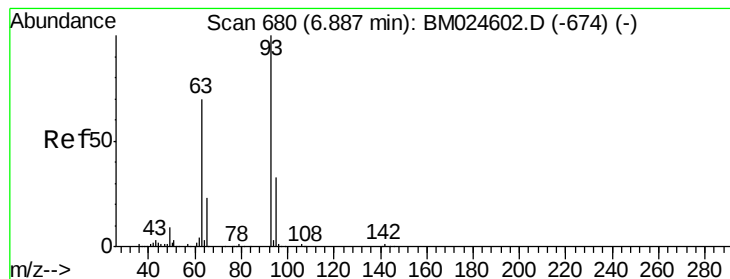
Delta R.T. -0.02 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Tgt Ion:	94	Resp:	223055
Ion Ratio	Lower	Upper	
94	100		
65	27.5	10.3	50.3
66	39.4	24.8	64.8





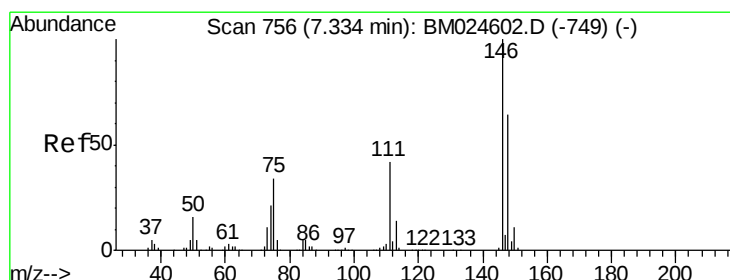
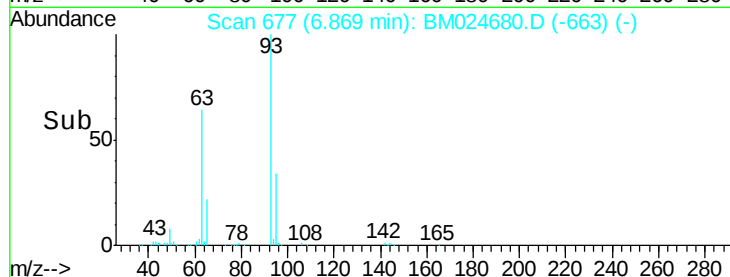
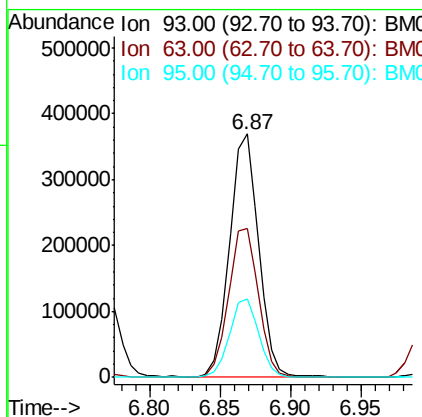
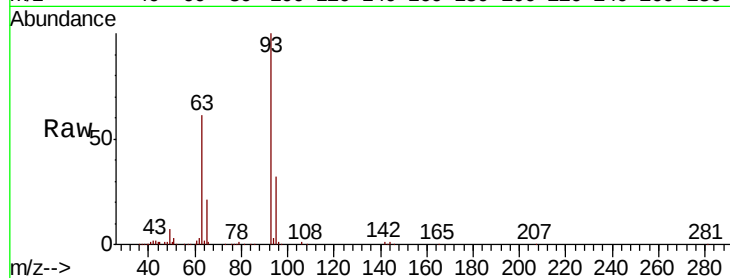
#11
bis(2-Chloroethyl)ether
Concen: 44.642 ng
RT: 6.87 min Scan# 677
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Instrument :
BNA_M
ClientSampleId :
PB126499BS

Tot Ion	Ratio	Lower	Upper
93	100		
63	60.9	49.6	89.6
95	32.2	12.6	52.6

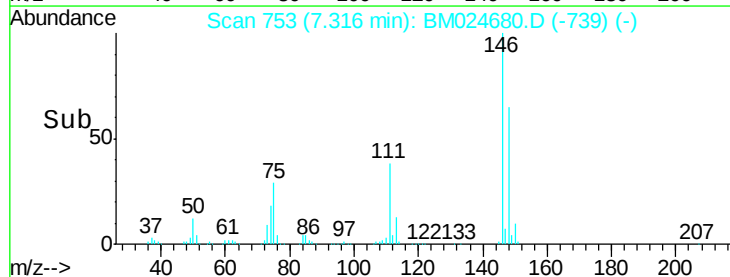
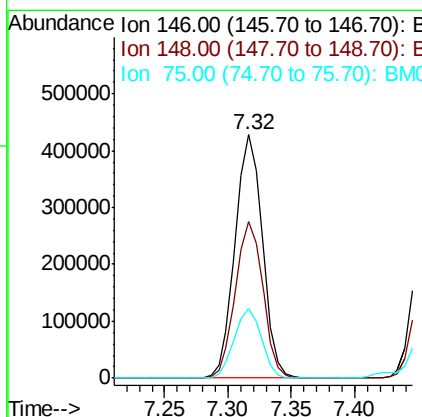
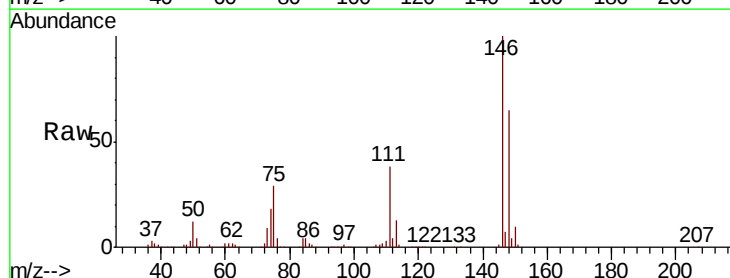
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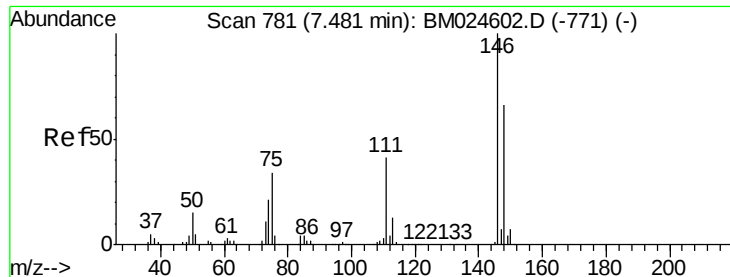
mohammad
2/3/2020 4:11:10 PM



#12
1,3-Dichlorobenzene
Concen: 42.610 ng
RT: 7.32 min Scan# 753
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.0	76.6
75	28.5	27.0	40.4





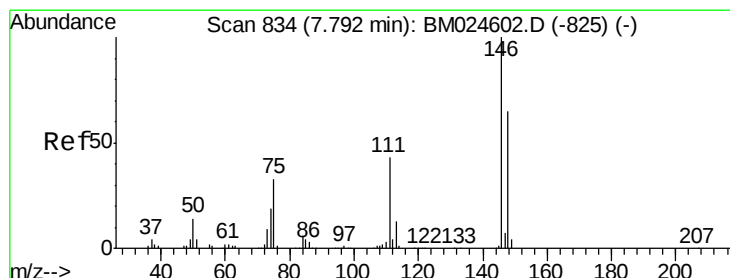
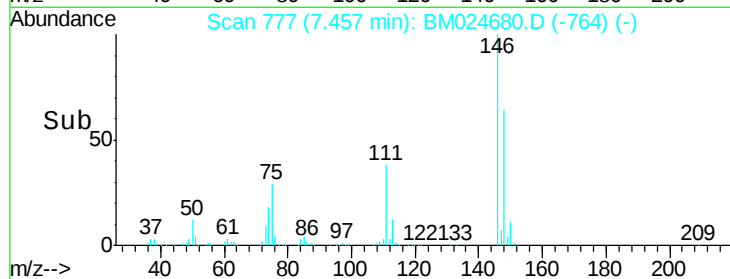
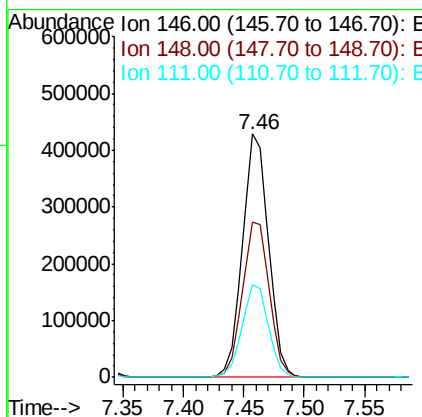
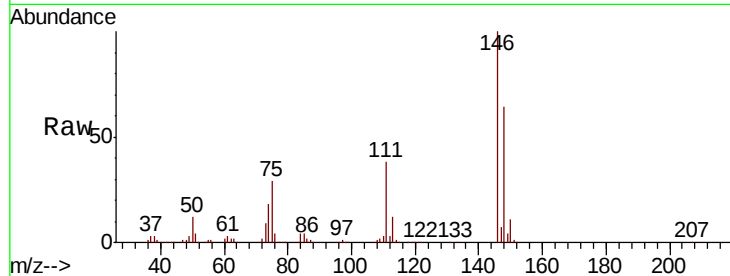
#13
 1,4-Dichlorobenzene
 Concen: 42.706 ng
 RT: 7.46 min Scan# 777
 Delta R.T. -0.02 min
 Lab File: BM024680.D
 Acq: 31 Jan 2020 17:59

Instrument :
 BNA_M
 ClientSampleId :
 PB126499BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.7	52.5	78.7
111	37.9	33.0	49.4

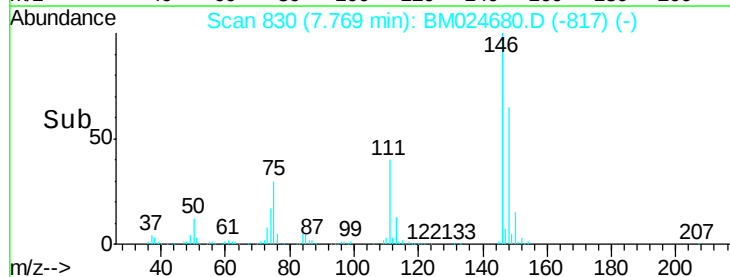
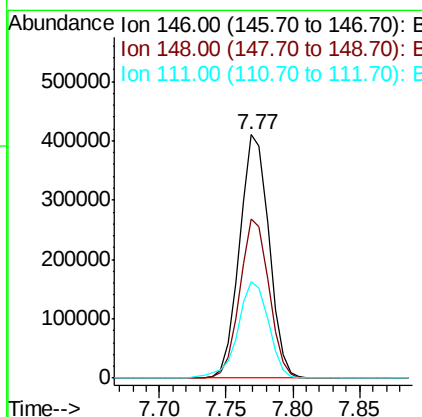
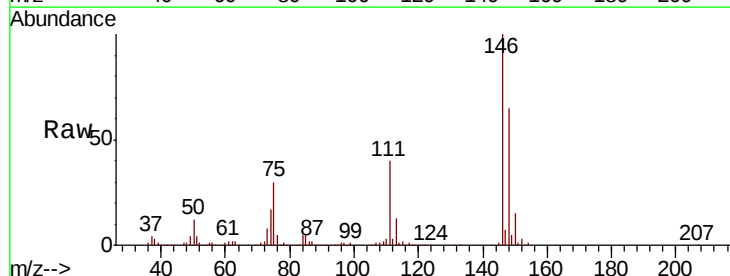
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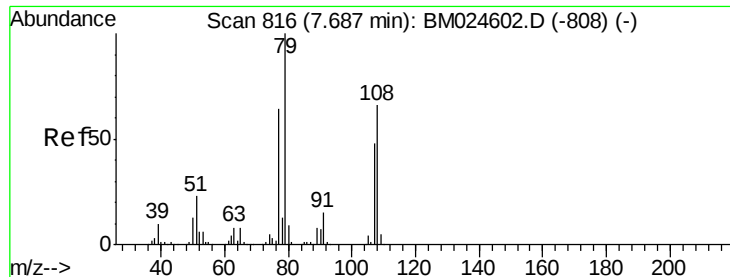
mohammad
 2/3/2020 4:11:10 PM



#14
 1,2-Dichlorobenzene
 Concen: 42.650 ng
 RT: 7.77 min Scan# 830
 Delta R.T. -0.02 min
 Lab File: BM024680.D
 Acq: 31 Jan 2020 17:59

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.9	77.9
111	39.6	34.5	51.7





#15

Benzyl Alcohol

Concen: 28.740 ng

RT: 7.67 min Scan# 813

Delta R.T. -0.02 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Instrument :

BNA_M

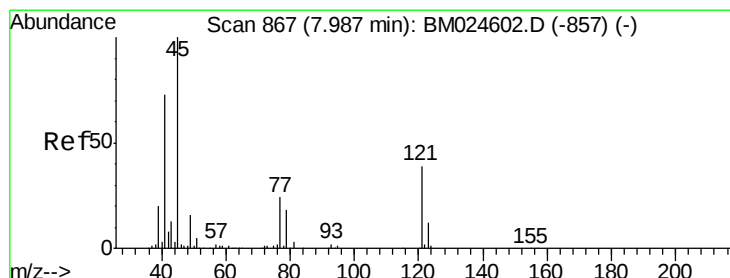
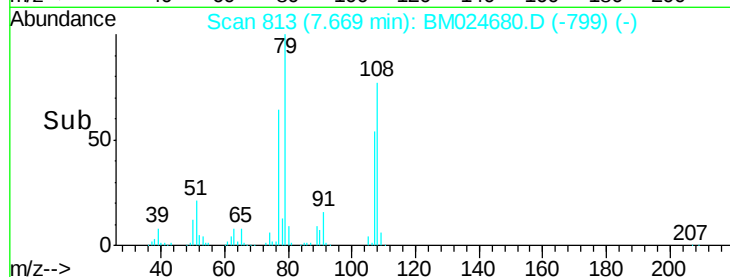
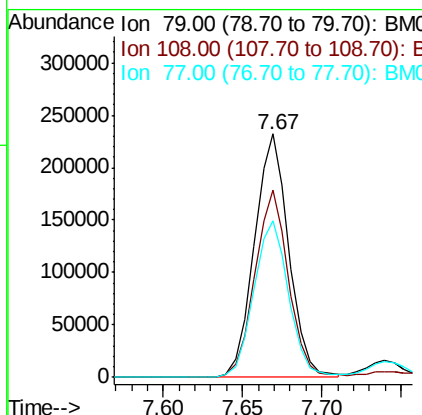
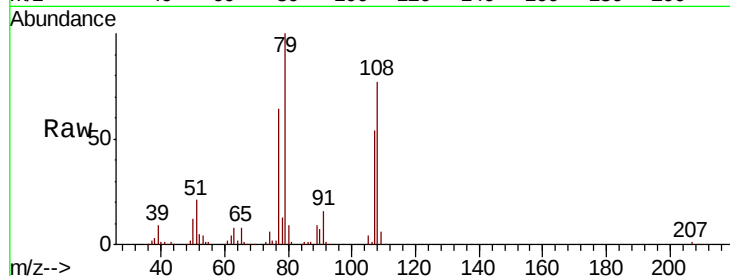
ClientSampleId :

PB126499BS

Tot Ion:	79	Resp:	349246
Ion Ratio	Lower	Upper	
79	100		
108	76.8	53.0	79.4
77	64.5	50.8	76.2

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 35.539 ng

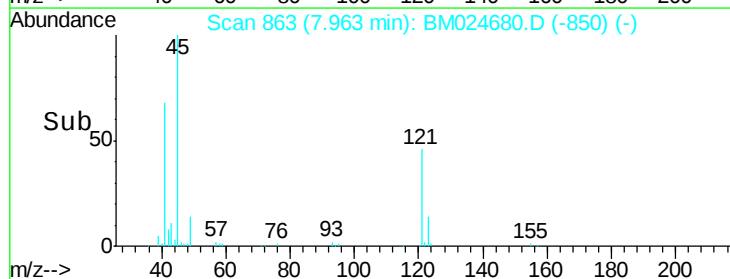
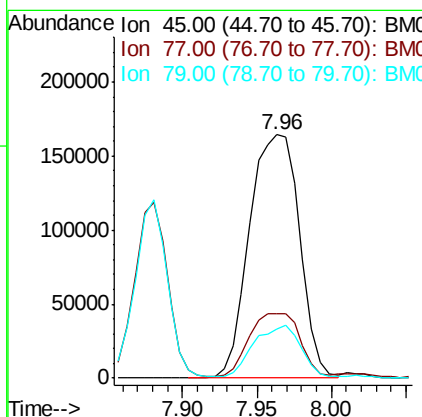
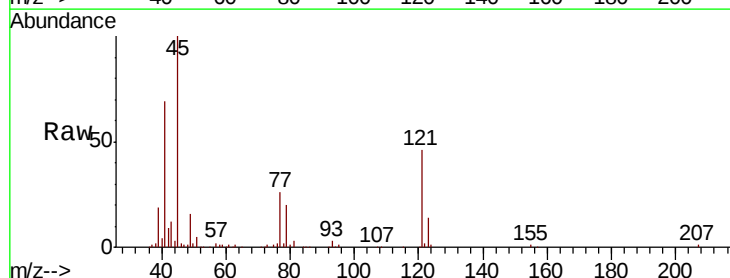
RT: 7.96 min Scan# 863

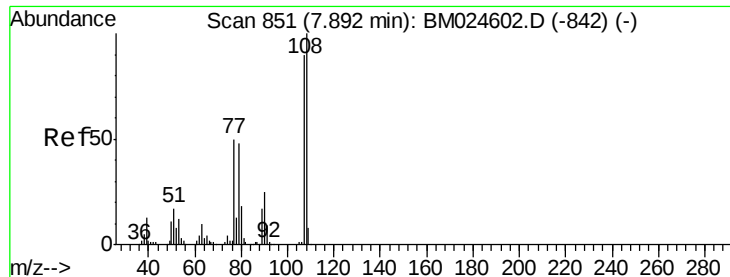
Delta R.T. -0.02 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Tgt Ion:	45	Resp:	382654
Ion Ratio	Lower	Upper	
45	100		
77	26.3	5.2	45.2
79	20.0	0.0	39.4





#17

2-Methylphenol

Concen: 36.144 ng

RT: 7.88 min Scan# 849

Delta R.T. -0.01 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Instrument :

BNA_M

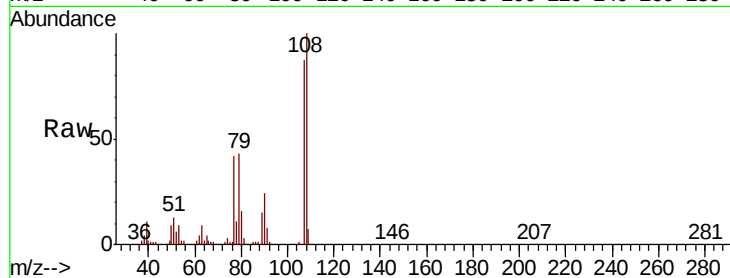
ClientSampleId :

PB126499BS

Tot Ion:	107	Resp:	374207
Ion Ratio	Lower	Upper	
107	100		
108	114.7	88.9	133.3
77	48.2	44.5	66.7
79	49.0	42.9	64.3

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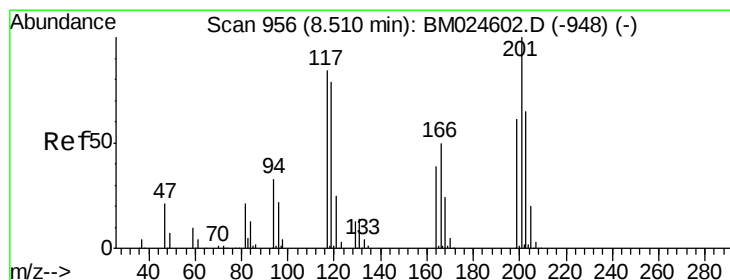
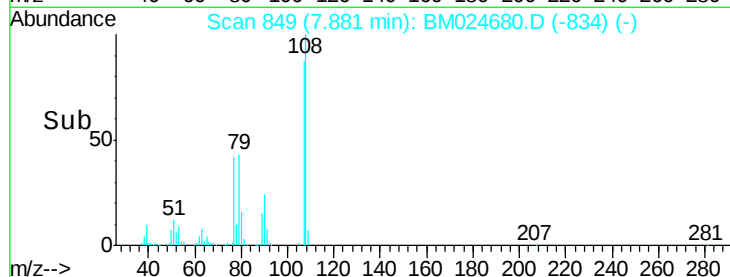
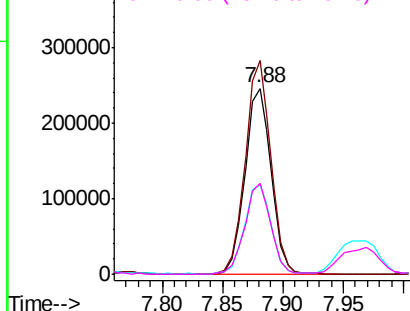
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



#18

Hexachloroethane

Concen: 37.095 ng

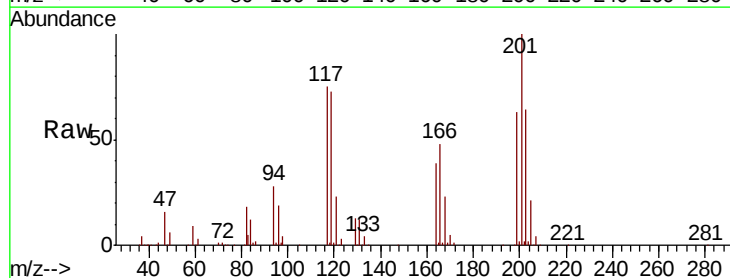
RT: 8.49 min Scan# 952

Delta R.T. -0.02 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Tgt Ion:	117	Resp:	217438
Ion Ratio	Lower	Upper	
117	100		
119	96.9	75.4	113.2
201	132.7	95.8	143.6

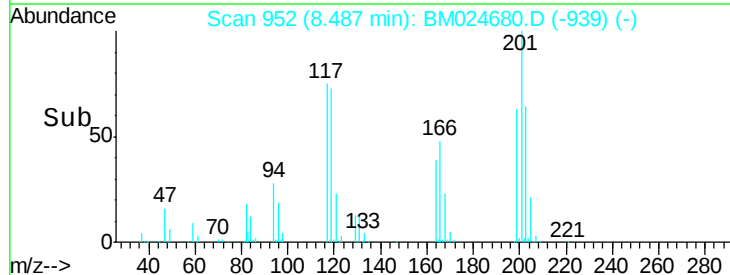
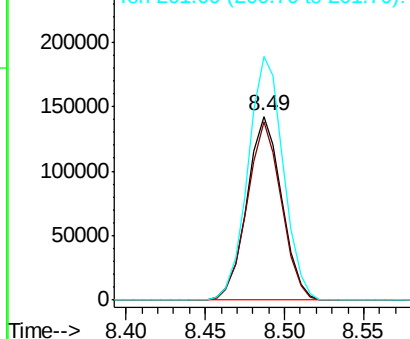


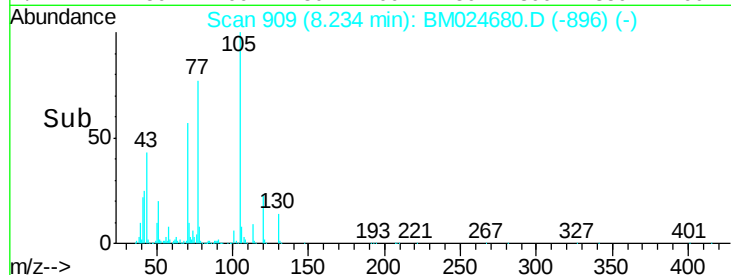
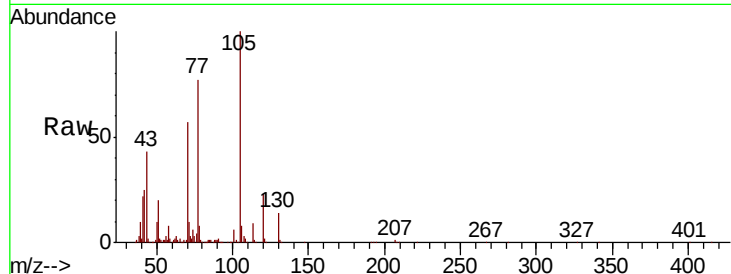
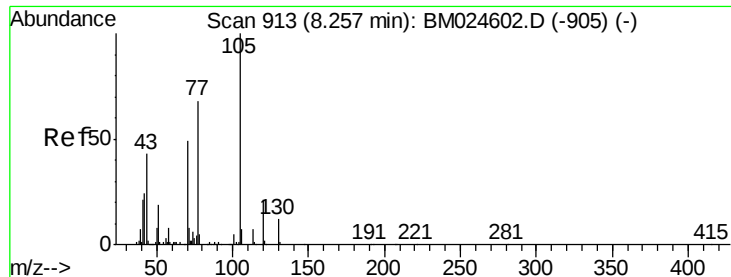
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





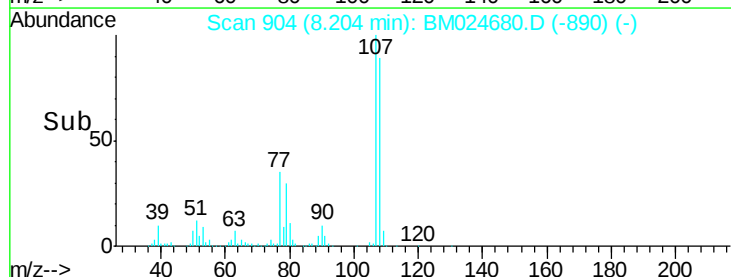
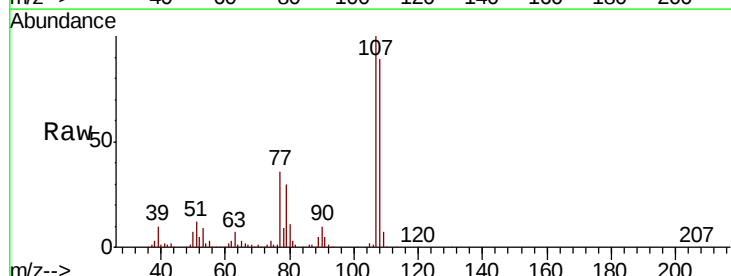
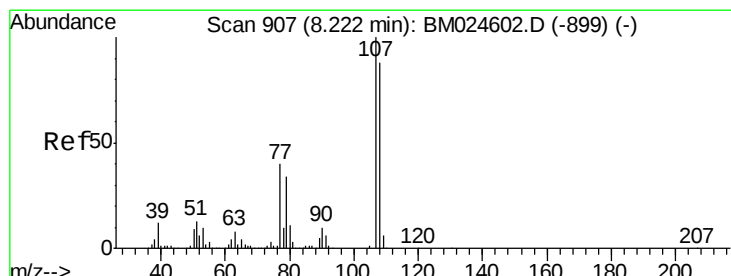
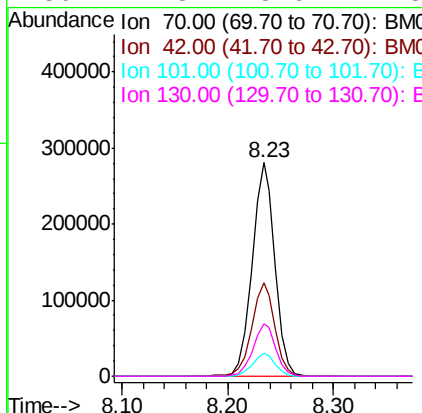
#19
n-Nitroso-di-n-propylamine
Concen: 37.834 ng
RT: 8.23 min Scan# 909
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		418675		
42	43.8	40.0	60.0		
101	10.8	8.2	12.2		
130	24.8	18.6	27.8		

Instrument :
BNA_M
ClientSampleId :
PB126499BS

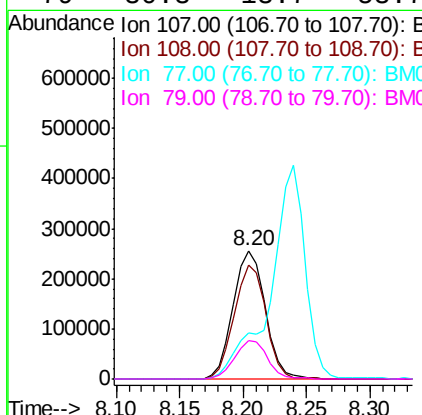
Manual Integrations
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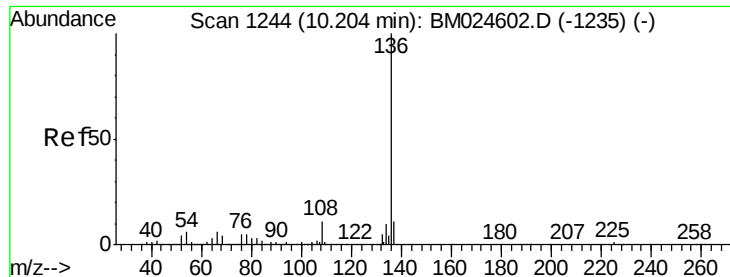
mohammad
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#20
3+4-Methylphenols
Concen: 31.384 ng
RT: 8.20 min Scan# 904
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		449792		
108	89.0	68.0	108.0		
77	35.7	19.9	59.9		
79	30.3	13.7	53.7		





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.18 min Scan# 1240

Delta R.T. -0.02 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Instrument :

BNA_M

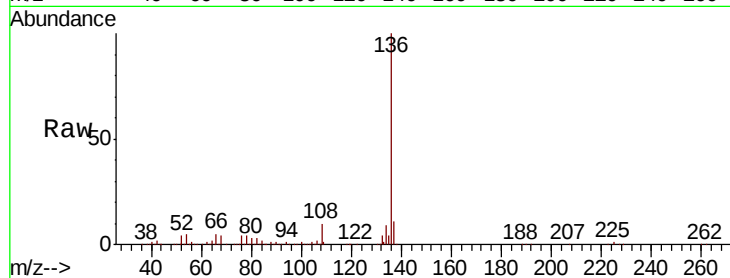
ClientSampleId :

PB126499BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		744470		
137	10.7		8.6	13.0	
54	4.8		4.5	6.7	
68	4.3		3.4	5.0	

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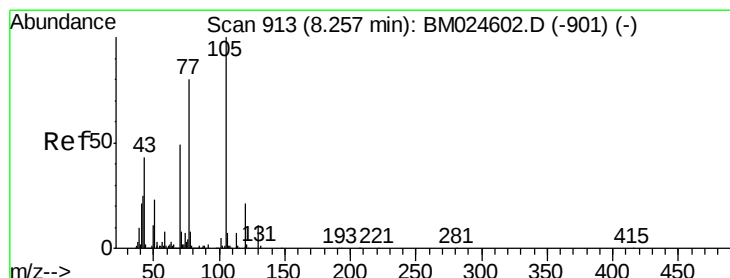
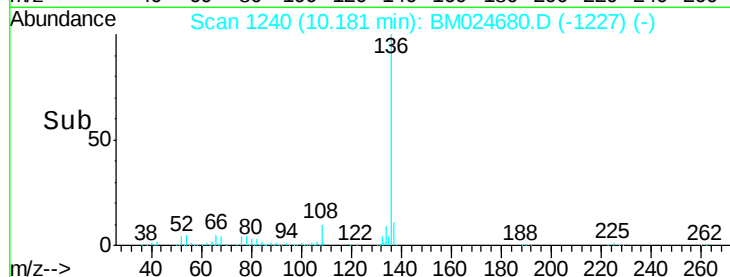
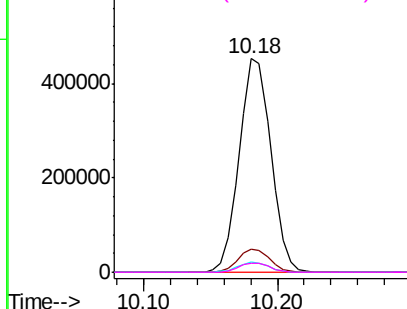
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22

Acetophenone

Concen: 45.029 ng

RT: 8.24 min Scan# 910

Delta R.T. -0.02 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		864391		
71	7.5		6.7	10.1	
51	20.3		18.5	27.7	
120	23.0		16.6	25.0	

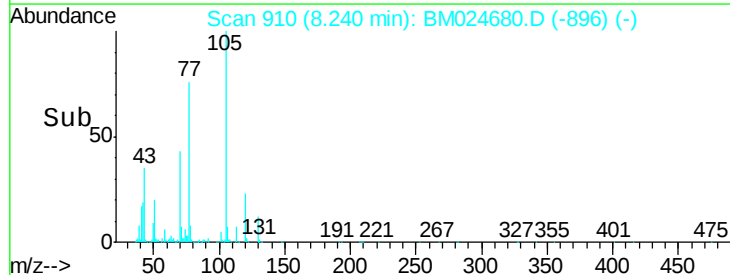
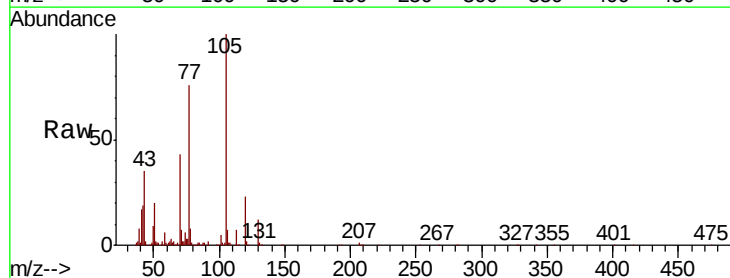
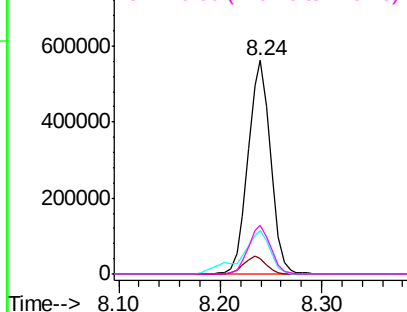
Abundance

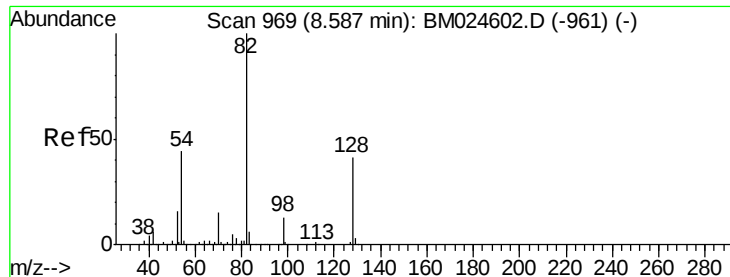
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E





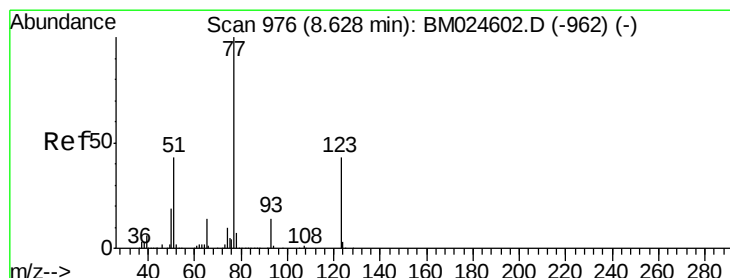
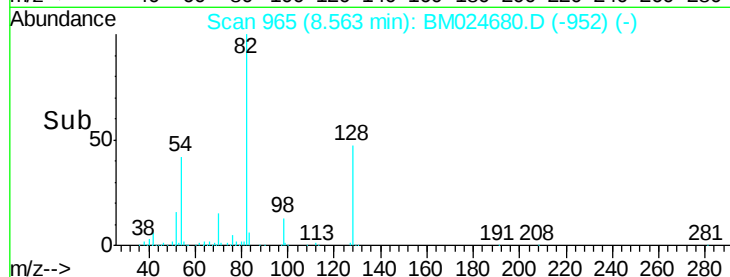
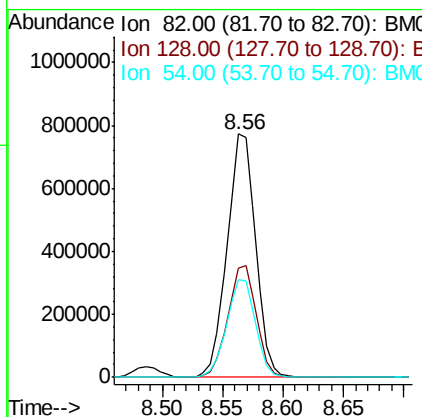
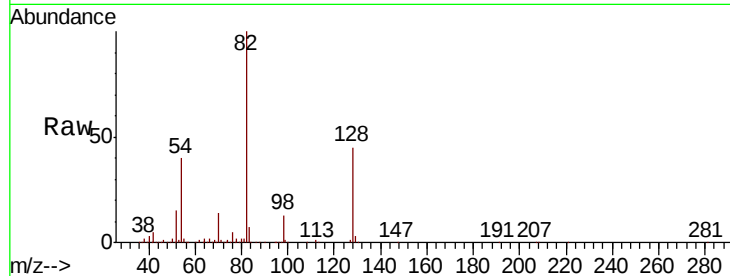
#23
 Nitrobenzene-d5
 Concen: 83.884 ng
 RT: 8.56 min Scan# 965
 Delta R.T. -0.02 min
 Lab File: BM024680.D
 Acq: 31 Jan 2020 17:59

Instrument :
 BNA_M
 ClientSampled :
 PB126499BS

Tot Ion	82	Resp	1273400
Ion Ratio	100	Lower	Upper
82	100		
128	45.0	32.6	48.8
54	39.9	34.8	52.2

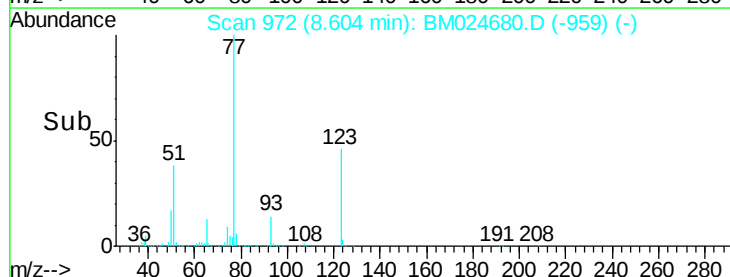
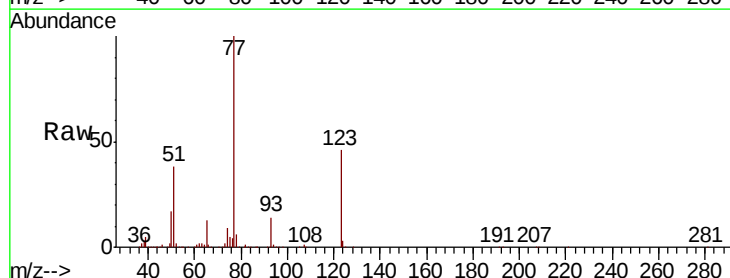
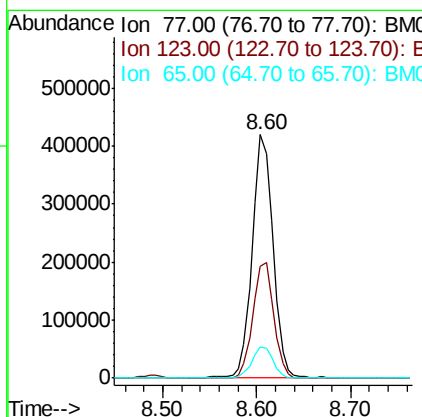
Manual Integrations
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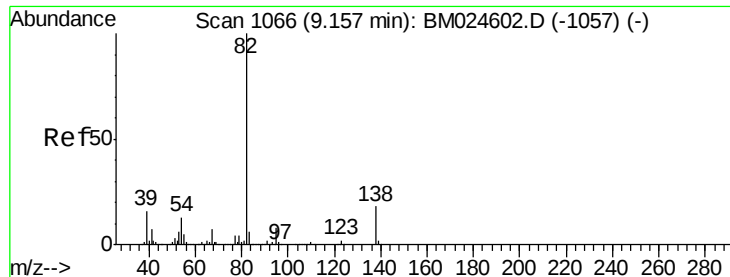
mohammad
 2/3/2020 4:11:10 PM



#24
 Nitrobenzene
 Concen: 44.305 ng
 RT: 8.60 min Scan# 972
 Delta R.T. -0.02 min
 Lab File: BM024680.D
 Acq: 31 Jan 2020 17:59

Tgt Ion	77	Resp	644511
Ion Ratio	100	Lower	Upper
77	100		
123	45.9	34.6	52.0
65	12.9	11.0	16.4





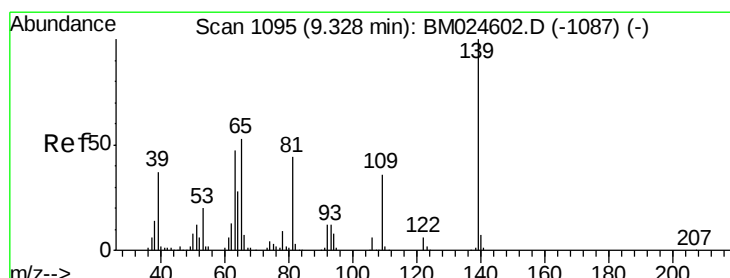
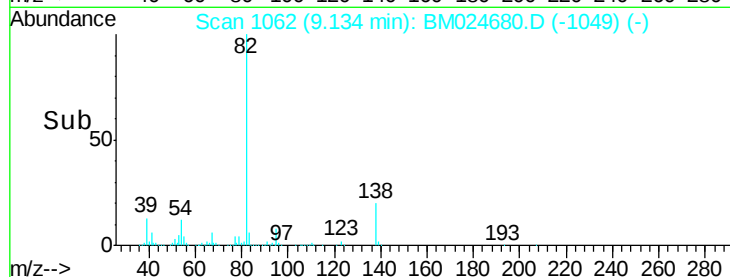
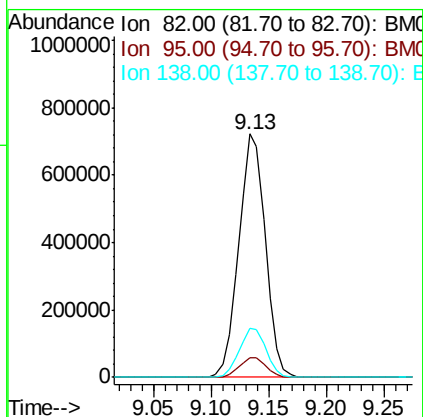
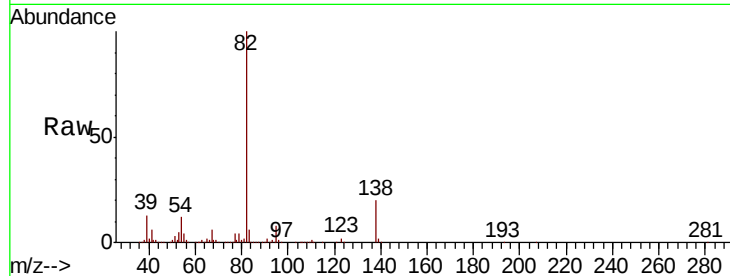
#25
Isophorone
Concen: 44.666 ng
RT: 9.13 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Instrument :
BNA_M
ClientSampleId :
PB126499BS

Tot Ion: 82 Resp: 1152104
Ion Ratio Lower Upper
82 100
95 8.2 6.7 10.1
138 20.2 14.7 22.1

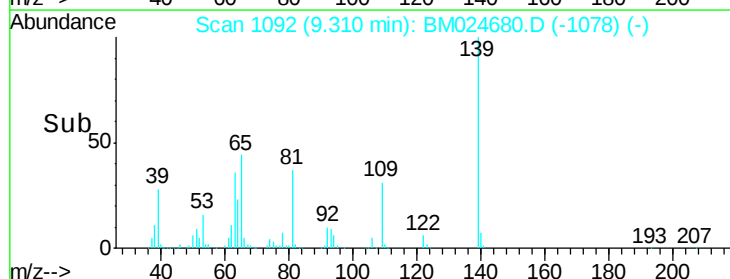
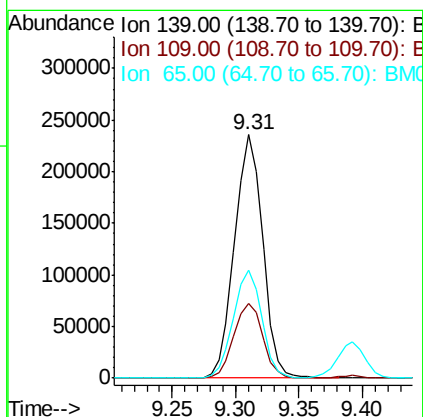
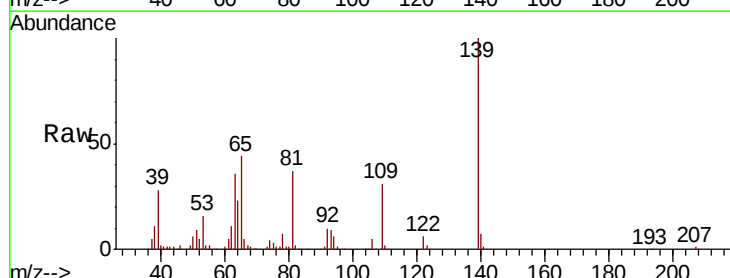
Manual Integrations
APPROVED

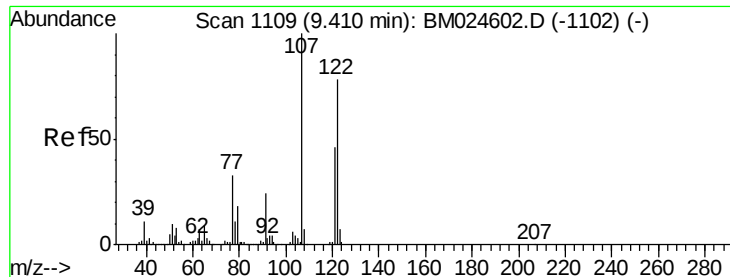
mohammad
2/3/2020 4:11:10 PM



#26
2-Nitrophenol
Concen: 53.891 ng
RT: 9.31 min Scan# 1092
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Tgt Ion: 139 Resp: 363012
Ion Ratio Lower Upper
139 100
109 30.9 28.8 43.2
65 44.2 42.6 63.8





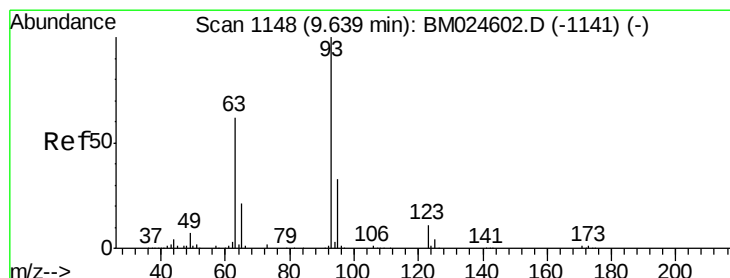
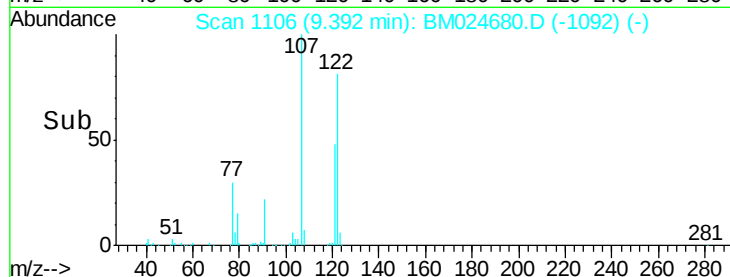
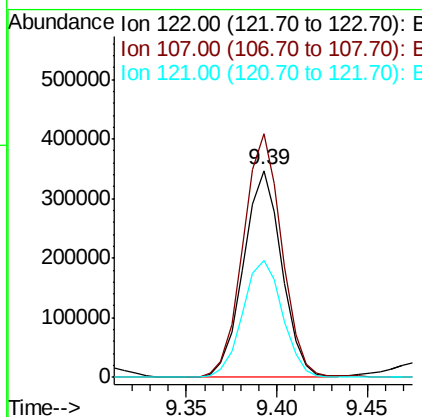
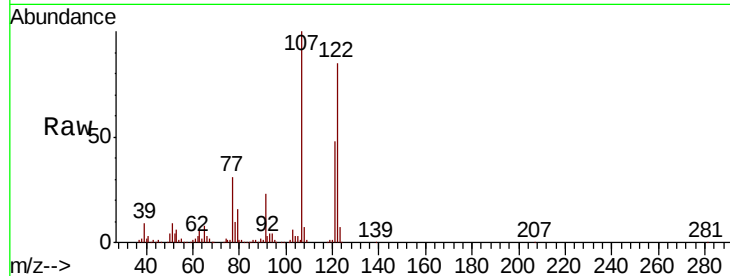
#27
 2,4-Dimethylphenol
 Concen: 55.937 ng
 RT: 9.39 min Scan# 1106
 Delta R.T. -0.02 min
 Lab File: BM024680.D
 Acq: 31 Jan 2020 17:59

Instrument :
 BNA_M
 ClientSampleId :
 PB126499BS

Tot Ion	Ratio	Lower	Upper
122	100		
107	117.9	102.5	153.7
121	56.4	47.0	70.4

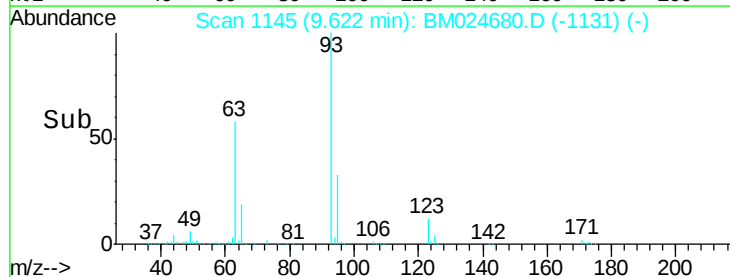
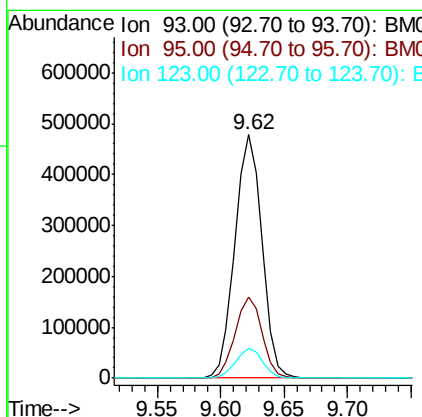
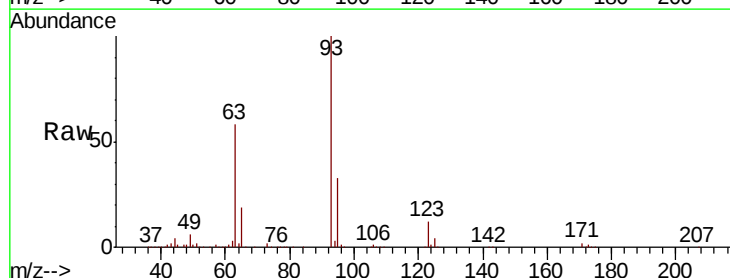
Manual Integrations
 APPROVED

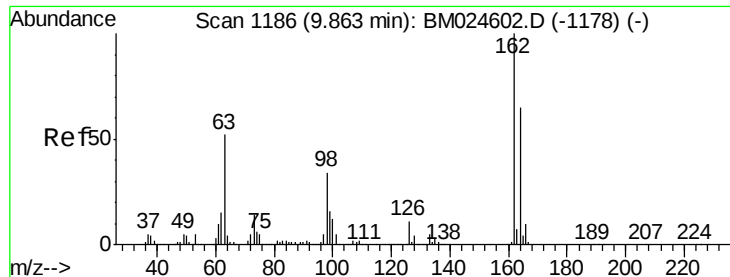
mohammad
 2/3/2020 4:11:10 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 44.821 ng
 RT: 9.62 min Scan# 1145
 Delta R.T. -0.02 min
 Lab File: BM024680.D
 Acq: 31 Jan 2020 17:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.1	39.1
123	12.2	8.7	13.1





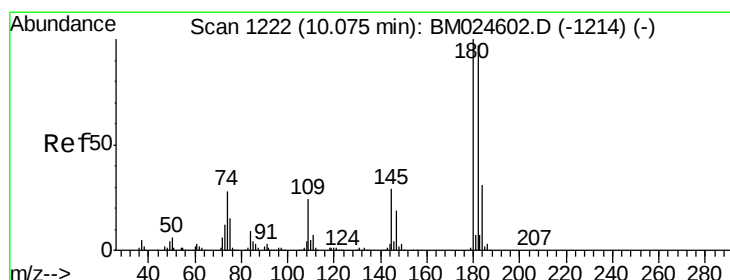
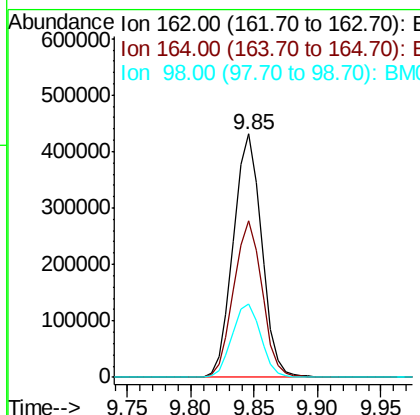
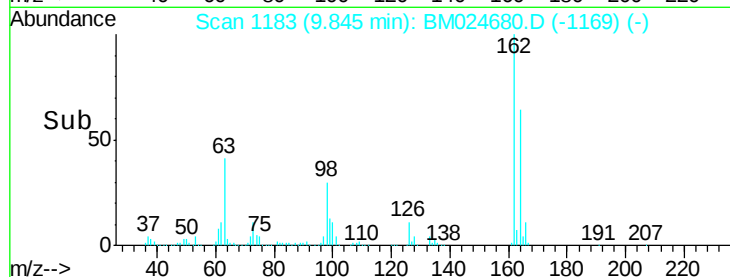
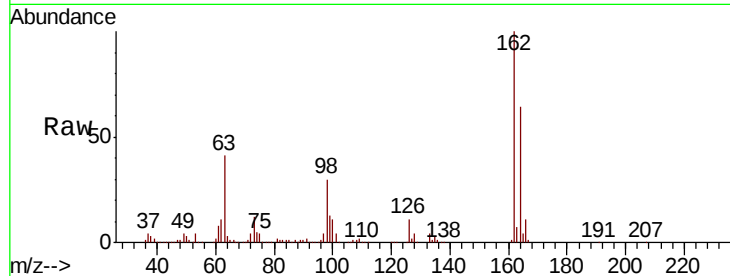
#29
2,4-Dichlorophenol
Concen: 54.129 ng
RT: 9.85 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Instrument :
BNA_M
ClientSampleId :
PB126499BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	669415		
164	64.2	44.5	84.5	
98	30.2	14.2	54.2	

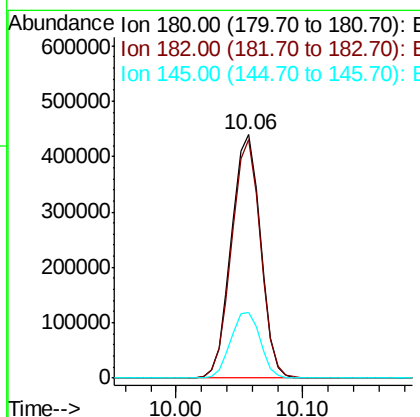
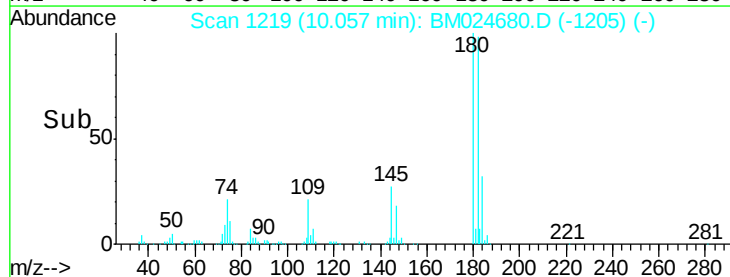
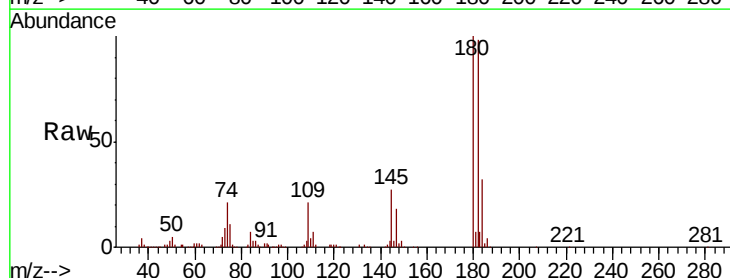
Manual Integrations
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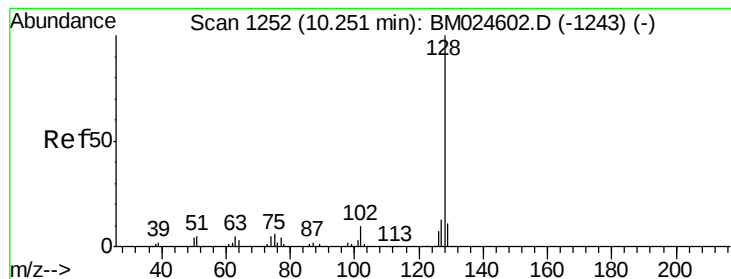
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 47.019 ng
RT: 10.06 min Scan# 1219
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	701293		
182	98.1	77.8	116.6	
145	26.9	22.9	34.3	





#31

Naphthalene

Concen: 47.115 ng

RT: 10.23 min Scan# 1249

Delta R.T. -0.02 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Instrument :

BNA_M

ClientSampleId :

PB126499BS

Tot Ion:128 Resp: 1771596

Ion Ratio Lower Upper

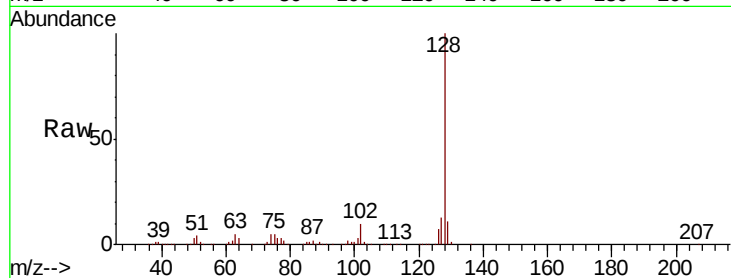
128 100

129 11.0 8.8 13.2

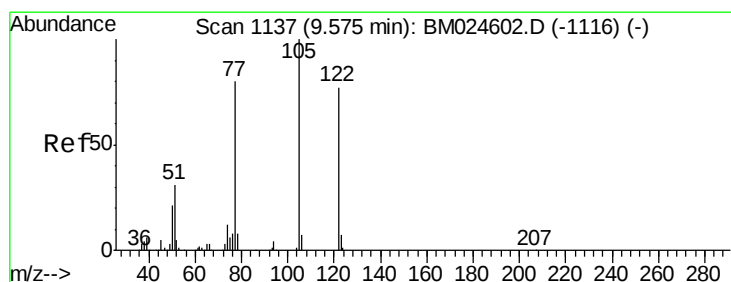
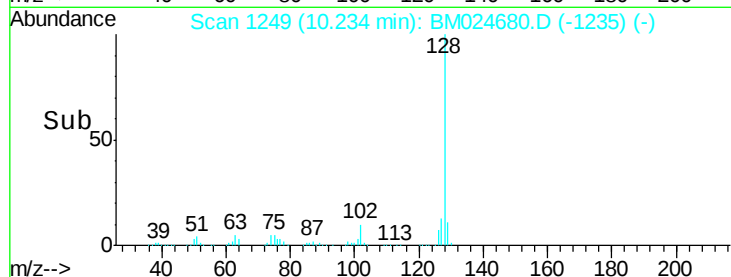
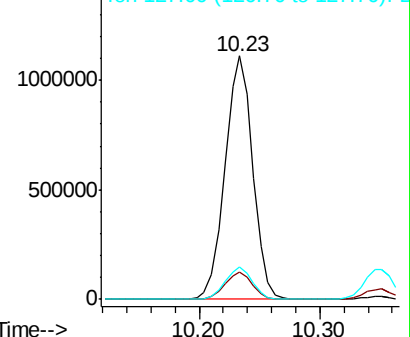
127 13.2 10.6 15.8

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): E
1500000 Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 14.672 ng m

RT: 9.50 min Scan# 1124

Delta R.T. -0.08 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

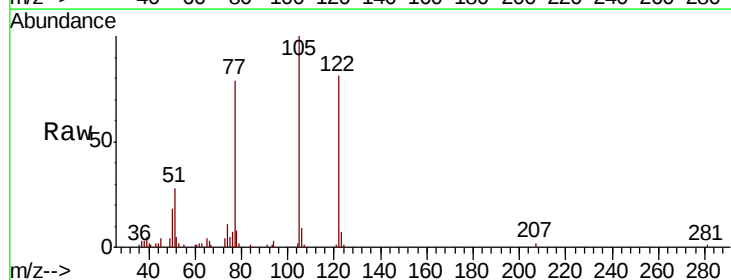
Tgt Ion:122 Resp: 122851

Ion Ratio Lower Upper

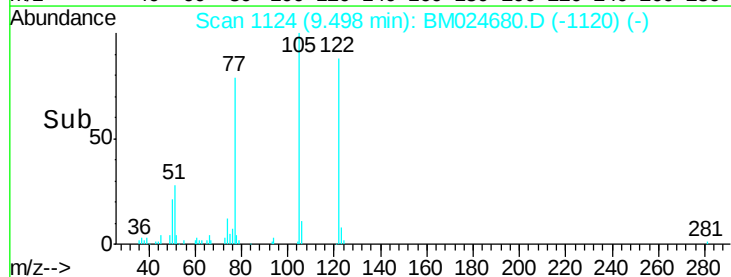
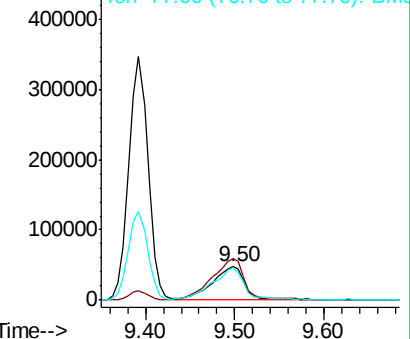
122 100

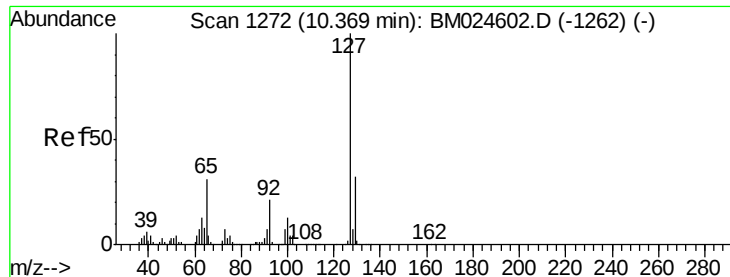
105 123.2 107.7 147.7

77 97.1 83.8 123.8



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): E





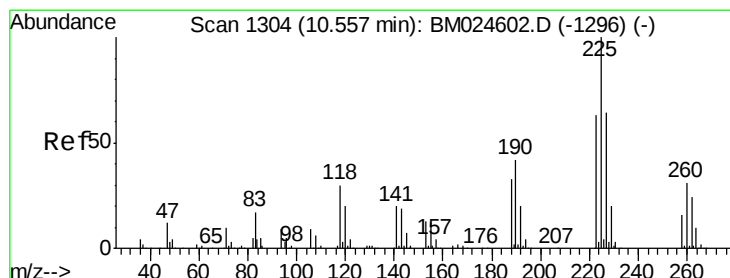
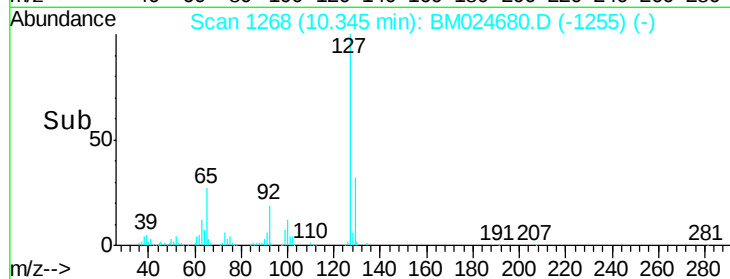
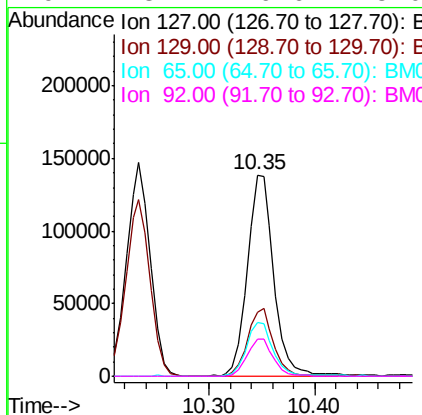
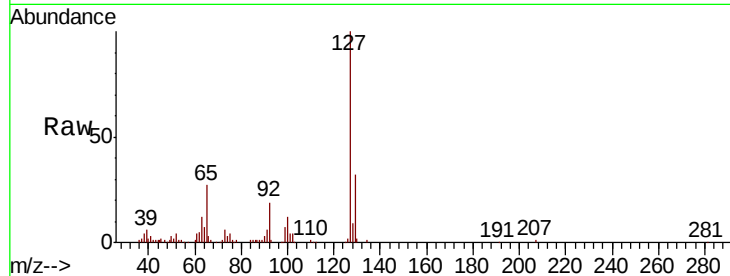
#33
4-Chloroaniline
Concen: 14.732 ng
RT: 10.35 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Instrument :
BNA_M
ClientSampleId :
PB126499BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		242807		
129	32.1	25.9	38.9		
65	26.9	25.1	37.7		
92	18.7	16.6	25.0		

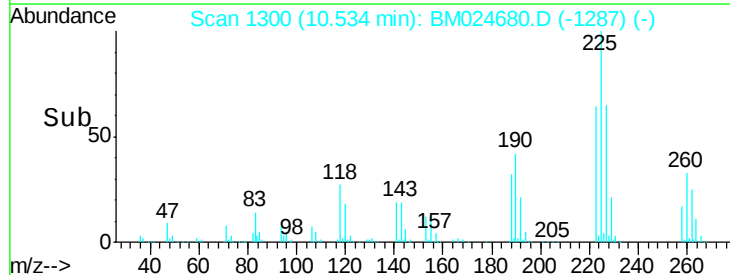
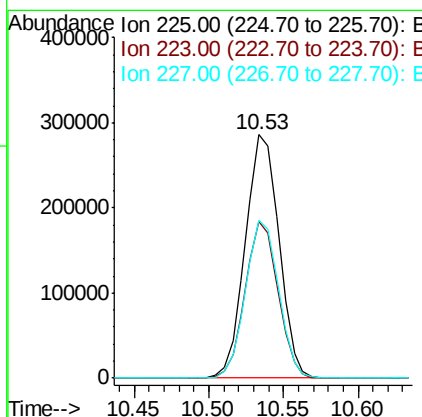
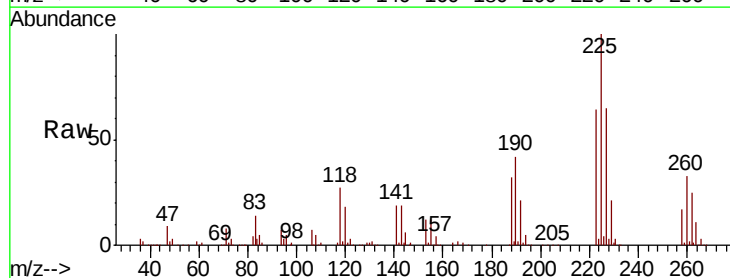
Manual Integrations
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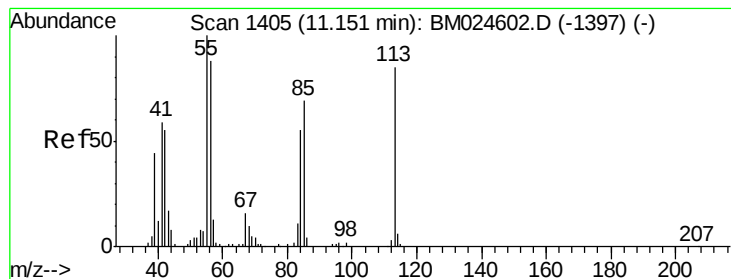
mohammad
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#34
Hexachlorobutadiene
Concen: 43.167 ng
RT: 10.53 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		445077		
223	64.3	50.7	76.1		
227	65.0	51.4	77.0		





#35

Caprolactam

Concen: 7.866 ng/mL

RT: 11.13 min Scan# 1402

Delta R.T. -0.02 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Instrument :

BNA_M

ClientSampled :

PB126499BS

Tot Ion:113 Resp: 31209

Ion Ratio Lower Upper

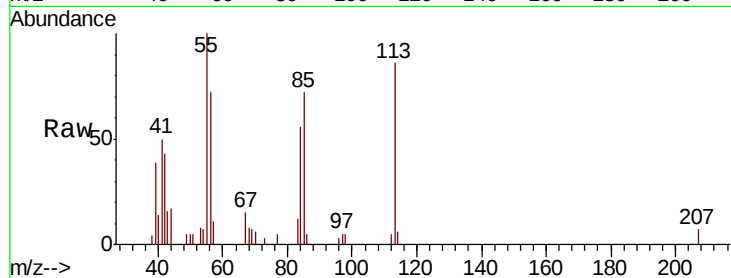
113 100

55 116.7 97.5 137.5

56 83.5 83.4 123.4

Manual Integrations
APPROVED

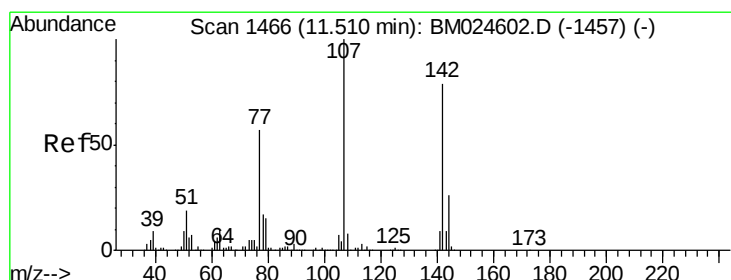
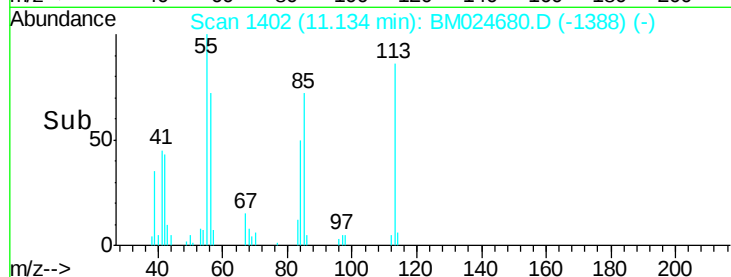
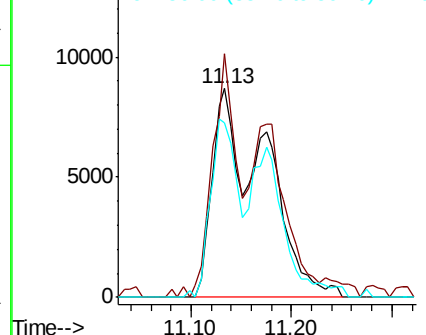
mohammad
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 45.555 ng/mL

RT: 11.49 min Scan# 1463

Delta R.T. -0.02 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

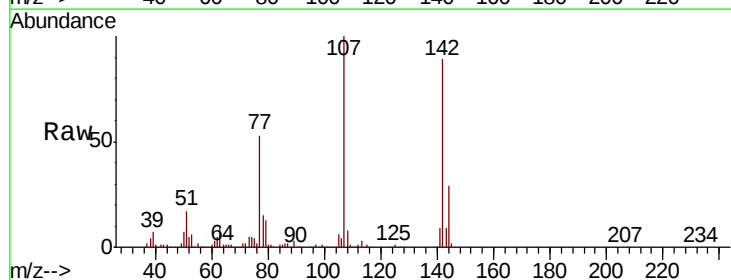
Tgt Ion:107 Resp: 599054

Ion Ratio Lower Upper

107 100

144 28.8 20.5 30.7

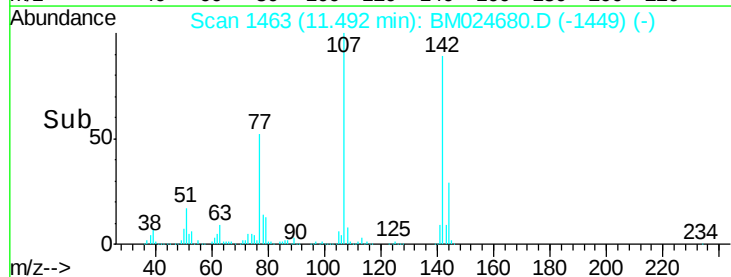
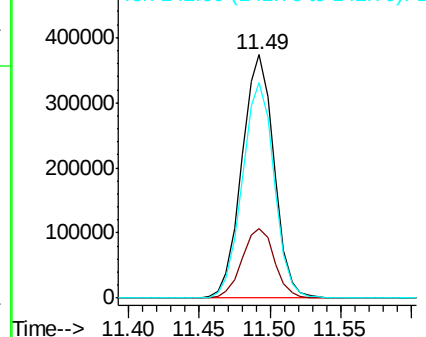
142 88.5 62.8 94.2

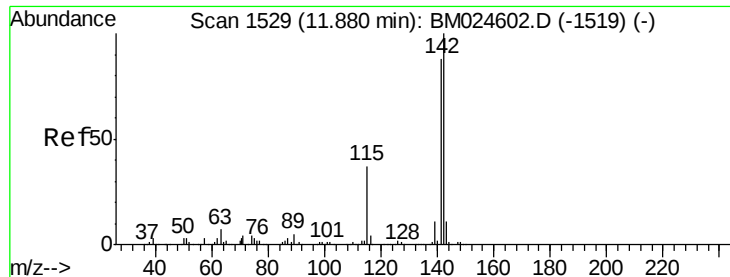


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





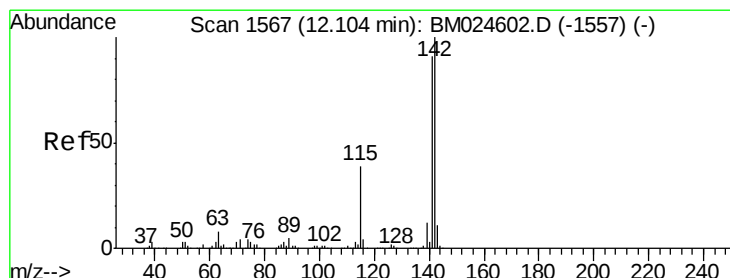
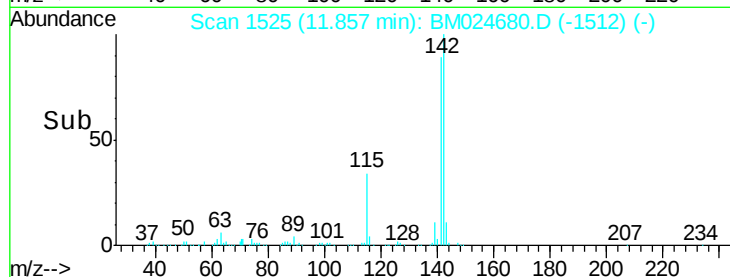
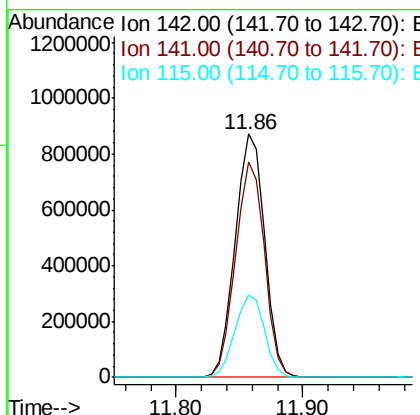
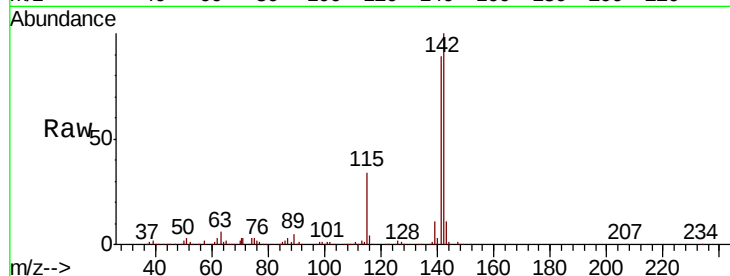
#37
2-Methylnaphthalene
Concen: 48.435 ng
RT: 11.86 min Scan# 1525
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Instrument :
BNA_M
ClientSampleId :
PB126499BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.2	105.2
115	33.7	29.7	44.5

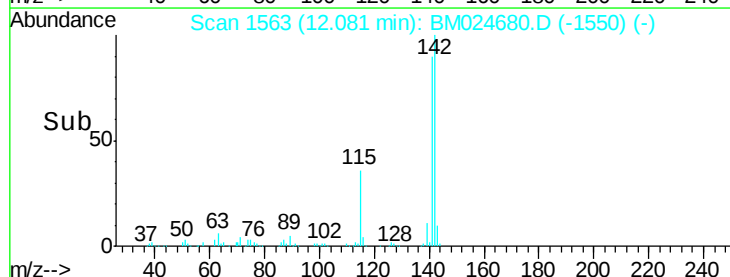
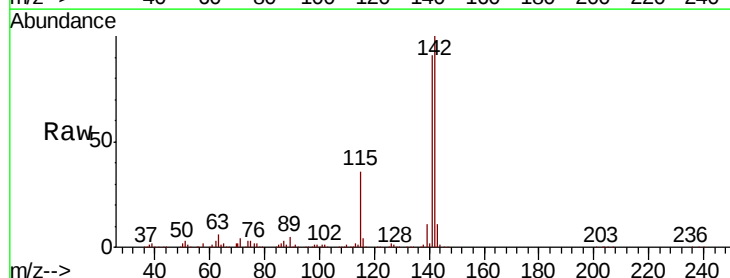
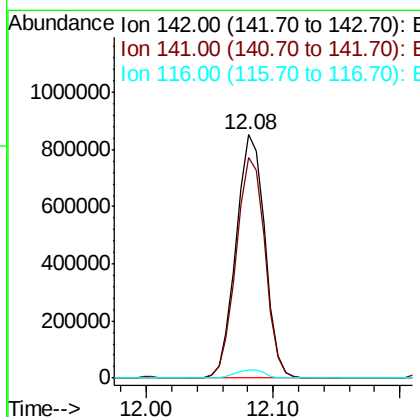
Manual Integrations
APPROVED

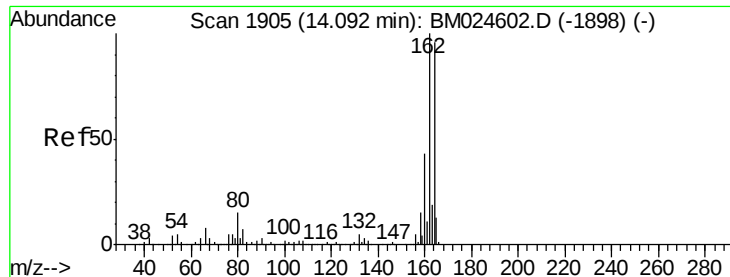
mohammad
2/3/2020 4:11:10 PM



#38
1-Methylnaphthalene
Concen: 48.440 ng
RT: 12.08 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	72.8	109.2
116	3.6	3.2	4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.07 min Scan# 1902

Delta R.T. -0.02 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Instrument :

BNA_M

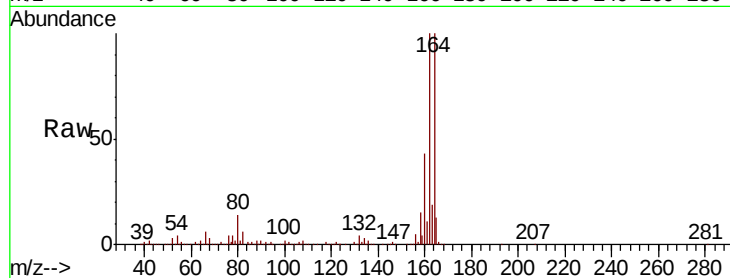
ClientSampleId :

PB126499BS

Tot Ion:	164	Resp:	513706
Ion Ratio	Lower	Upper	
164	100		
162	99.8	82.9	124.3
160	43.5	35.5	53.3

Manual Integrations
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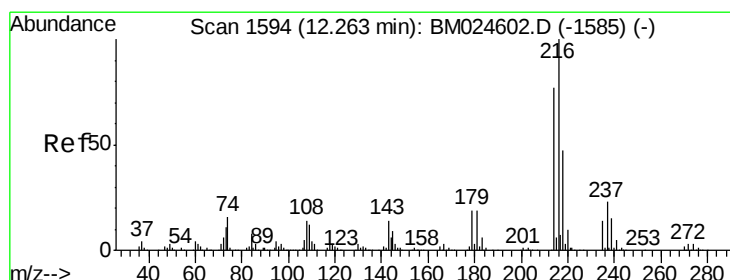
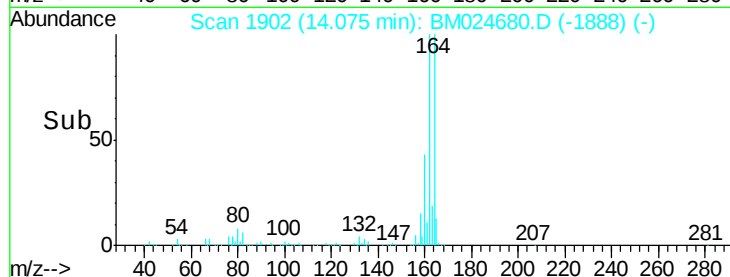
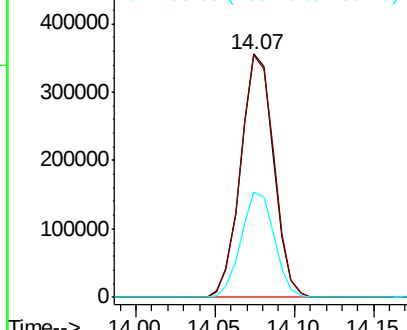


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.245 ng

RT: 12.25 min Scan# 1591

Delta R.T. -0.02 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Tgt Ion:	216	Resp:	884541
Ion Ratio	Lower	Upper	
216	100		
214	77.5	62.3	93.5
179	19.5	16.1	24.1
108	14.9	13.0	19.6

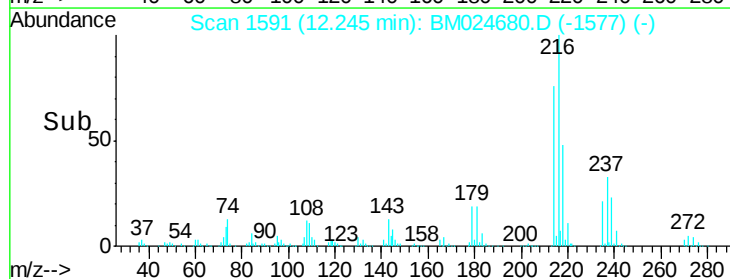
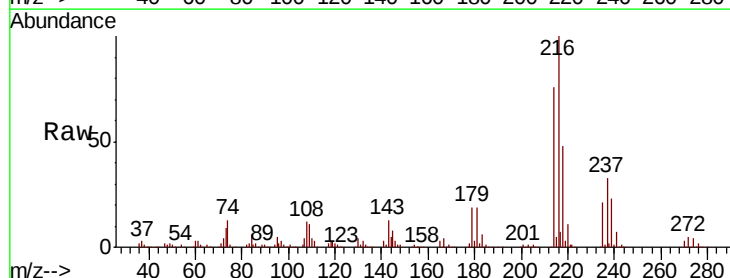
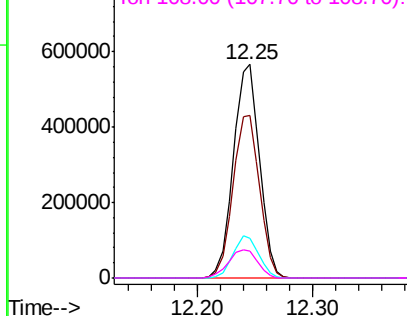
Abundance

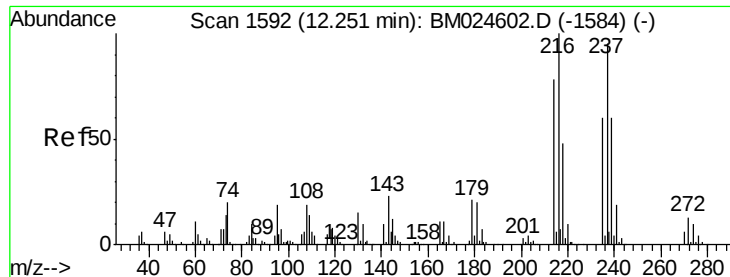
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 97.088 ng

RT: 12.23 min Scan# 1588

Delta R.T. -0.02 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Instrument :

BNA_M

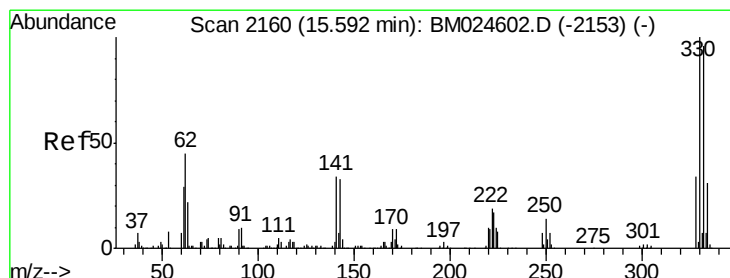
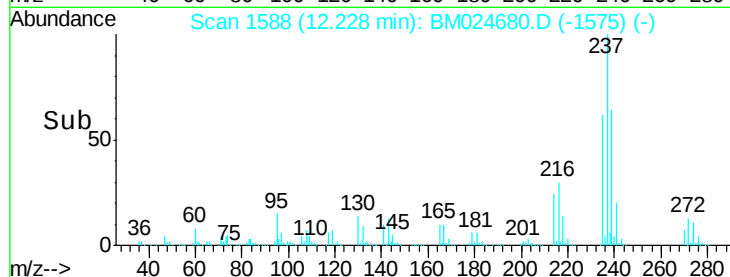
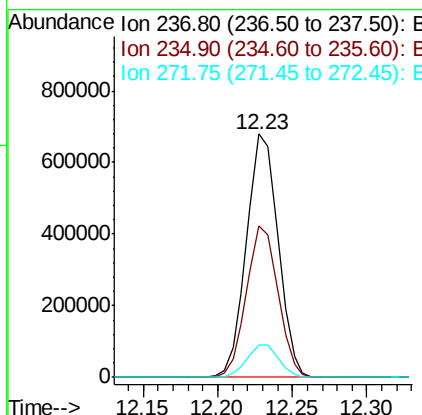
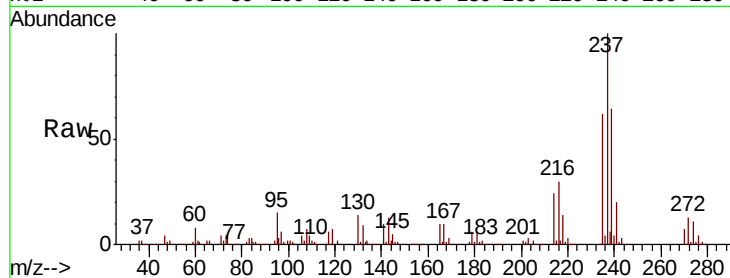
ClientSampleId :

PB126499BS

Tot Ion:	237	Resp:	997733
Ion Ratio		Lower	Upper
237	100		
235	62.4	43.3	83.3
272	13.1	0.0	33.4

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#42

2,4,6-Tribromophenol

Concen: 107.176 ng

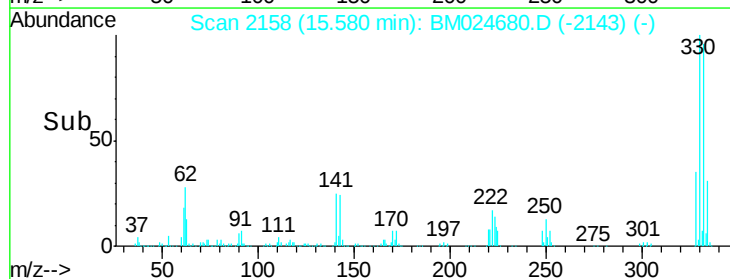
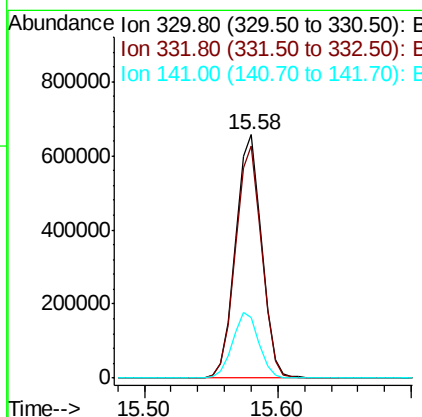
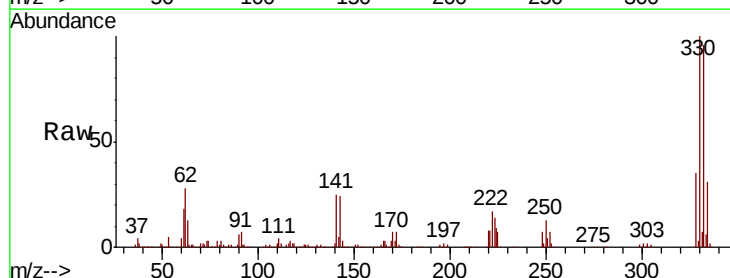
RT: 15.58 min Scan# 2158

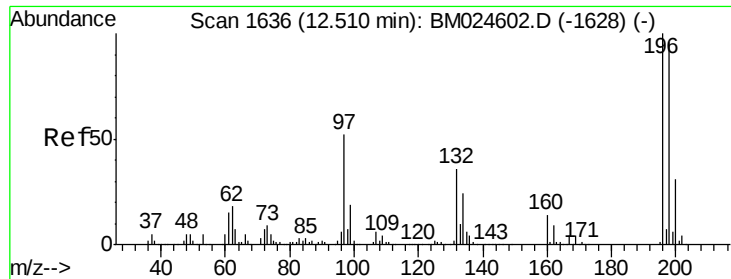
Delta R.T. -0.01 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Tgt Ion:	330	Resp:	895583
Ion Ratio		Lower	Upper
330	100		
332	95.5	77.2	115.8
141	27.3	26.9	40.3





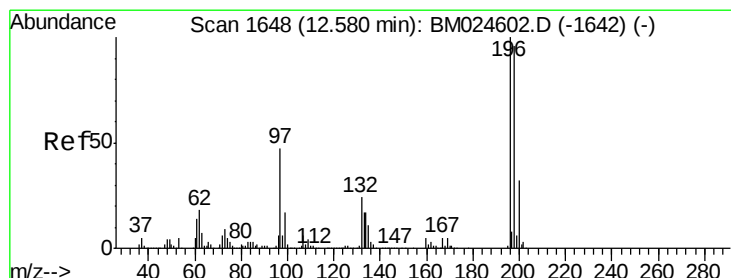
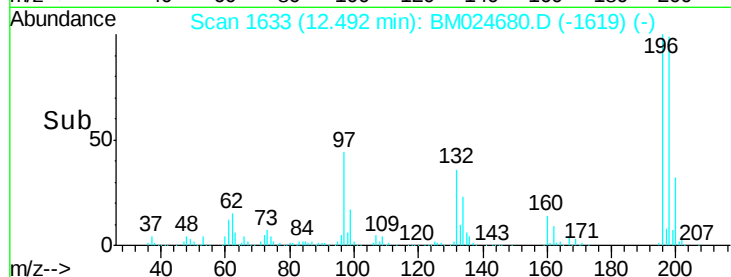
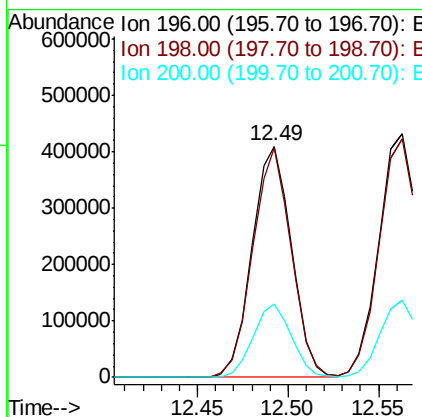
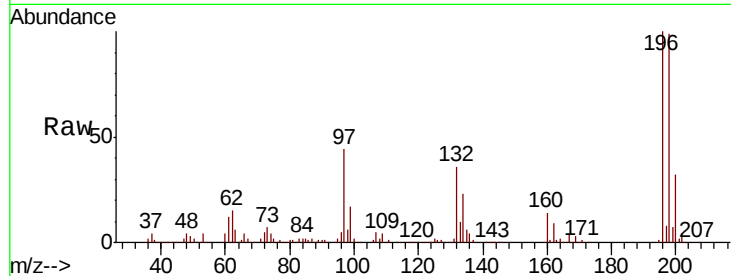
#43
 2,4,6-Trichlorophenol
 Concen: 52.966 ng
 RT: 12.49 min Scan# 1633
 Delta R.T. -0.02 min
 Lab File: BM024680.D
 Acq: 31 Jan 2020 17:59

Instrument :
 BNA_M
 ClientSampleId :
 PB126499BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	617961		
198	99.3	76.5	114.7	
200	31.6	25.0	37.6	

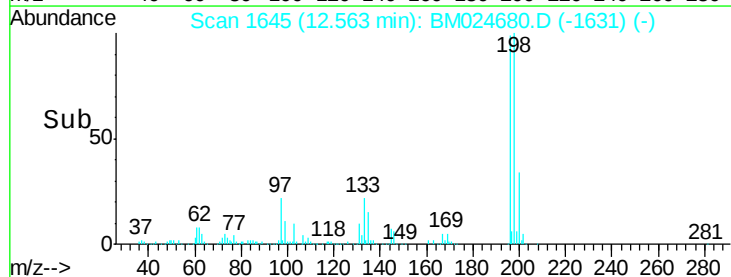
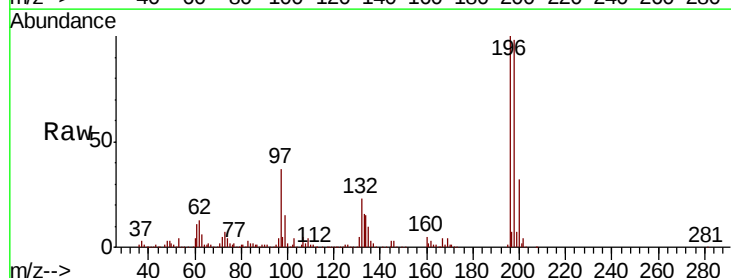
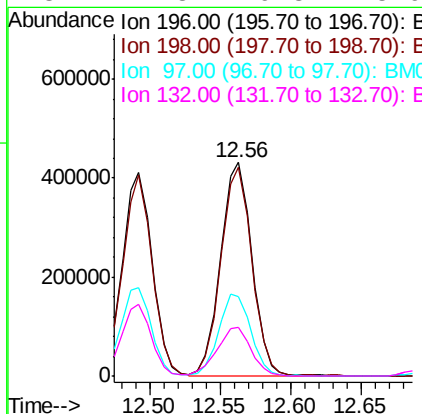
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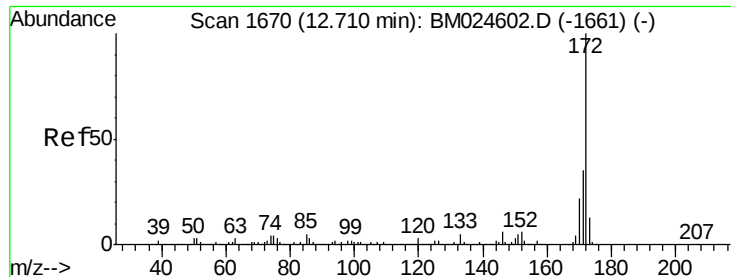
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 55.463 ng
 RT: 12.56 min Scan# 1645
 Delta R.T. -0.02 min
 Lab File: BM024680.D
 Acq: 31 Jan 2020 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	660860		
198	98.0	77.2	115.8	
97	36.9	37.4	56.0	
132	22.8	19.3	28.9	





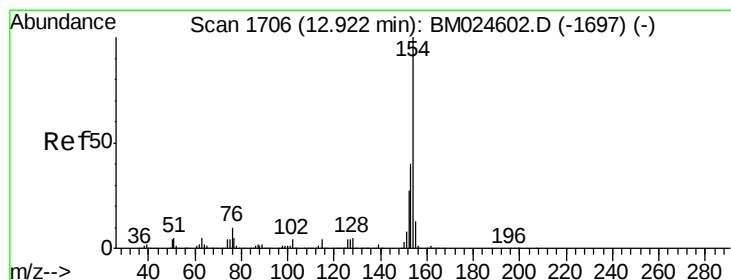
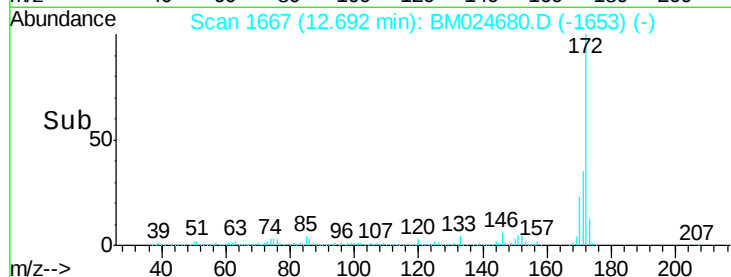
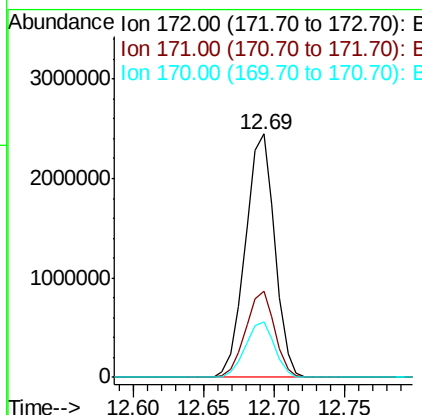
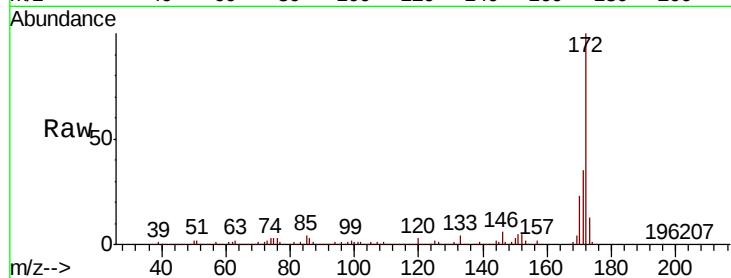
#45
2-Fluorobiphenyl
Concen: 94.328 ng
RT: 12.69 min Scan# 1667
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Instrument :
BNA_M
ClientSampleId :
PB126499BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	22.7	17.9	26.9

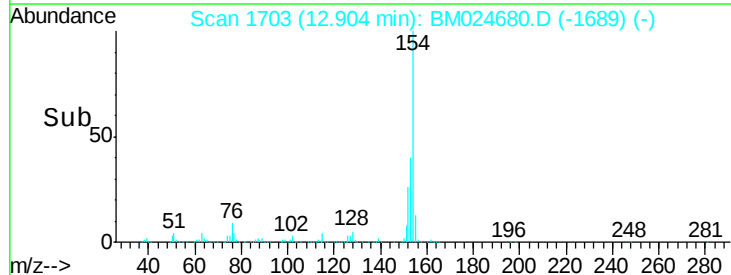
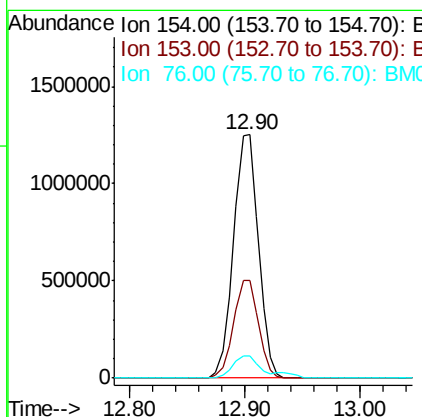
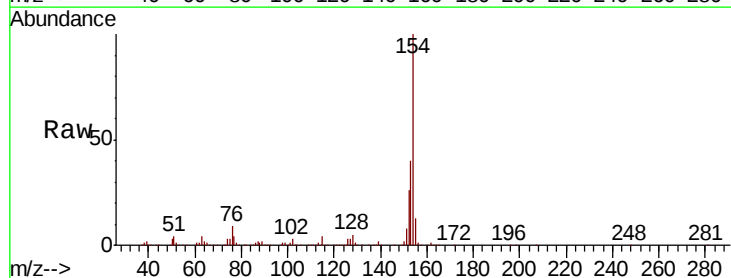
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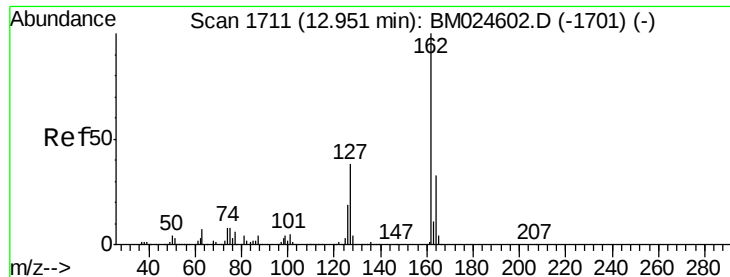
mohammad
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#46
1,1'-Biphenyl
Concen: 48.245 ng
RT: 12.90 min Scan# 1703
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.3	60.3
76	9.3	0.0	30.5





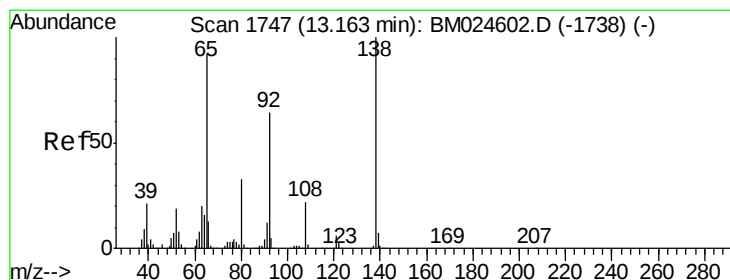
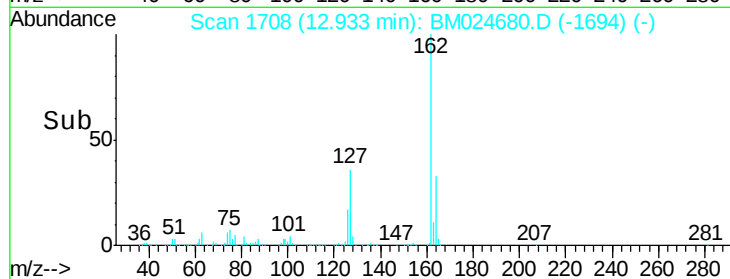
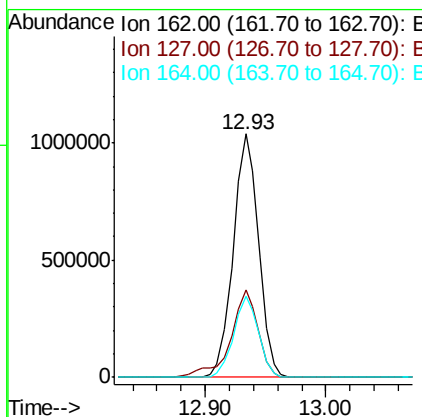
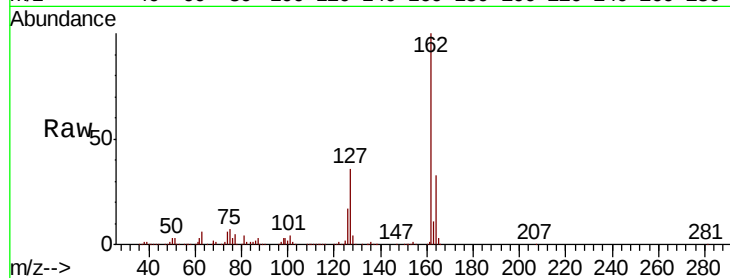
#47
2-Chloronaphthalene
Concen: 48.330 ng
RT: 12.93 min Scan# 1708
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Instrument :
BNA_M
ClientSampled :
PB126499BS

Tot Ion	Ratio	Lower	Upper
162	100		
127	36.0	30.4	45.6
164	33.3	26.5	39.7

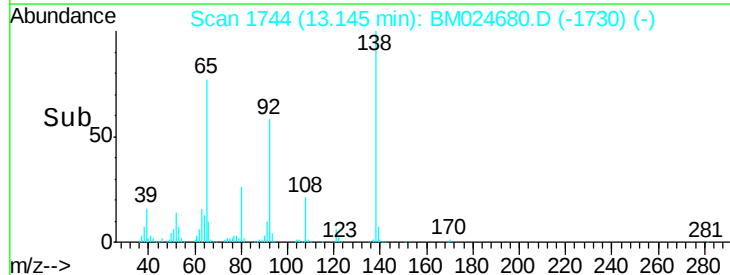
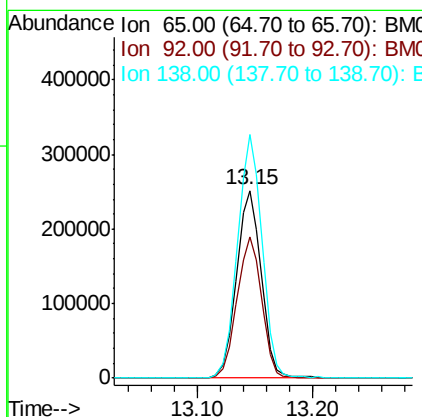
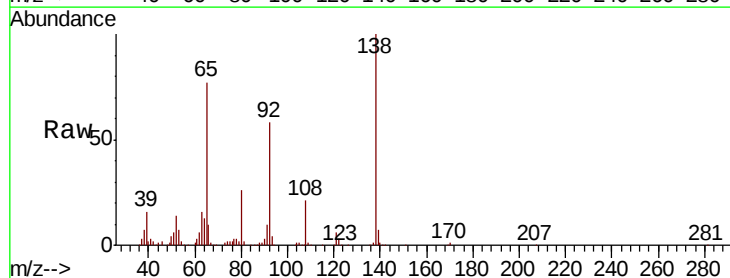
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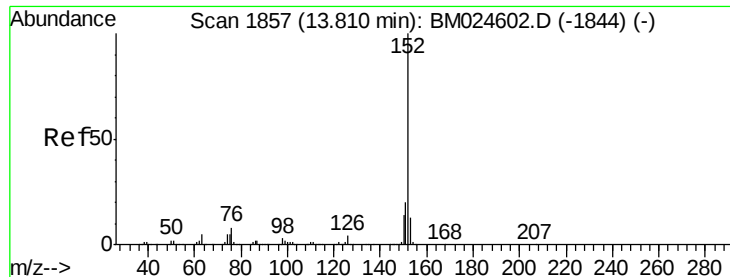
mohammad
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#48
2-Nitroaniline
Concen: 39.061 ng
RT: 13.15 min Scan# 1744
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Tgt Ion	Ratio	Lower	Upper
65	100		
92	75.4	55.4	83.2
138	129.6	86.6	129.8





#49

Acenaphthylene

Concen: 51.058 ng

RT: 13.79 min Scan# 1854

Delta R.T. -0.02 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Instrument :

BNA_M

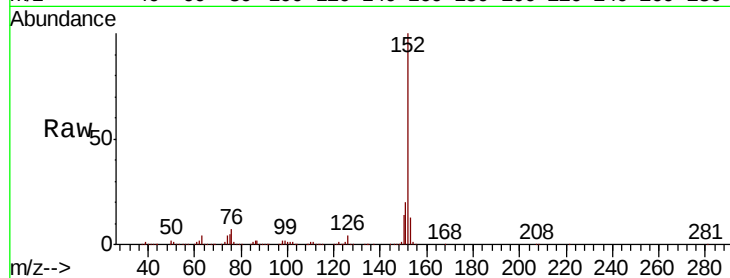
ClientSampleId :

PB126499BS

Tot Ion:	152	Resp:	2398868
Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.3	10.4	15.6

Manual Integrations
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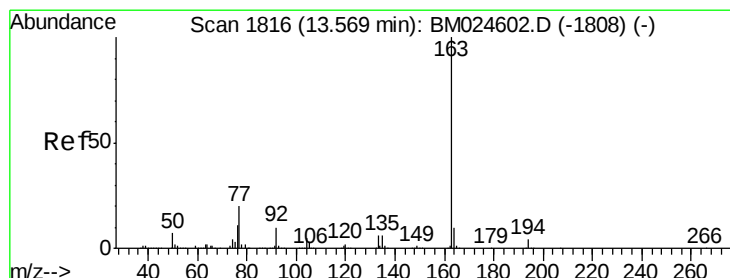
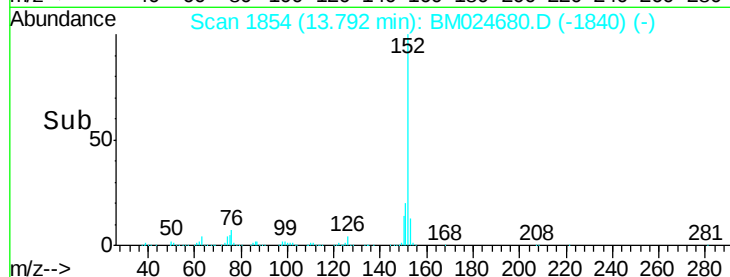
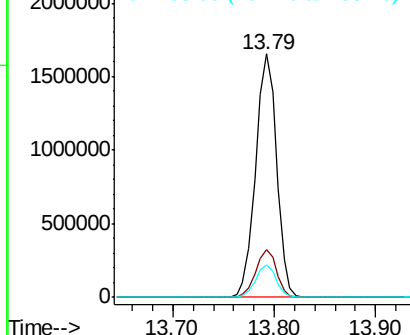


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 48.522 ng

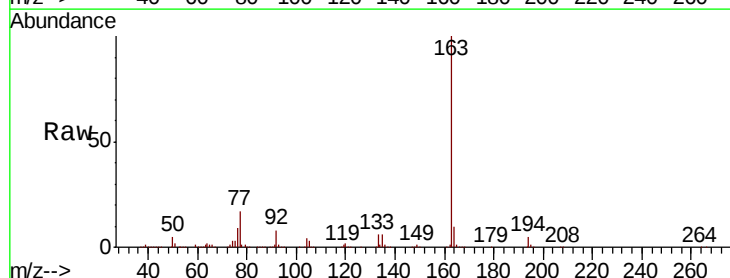
RT: 13.55 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Tgt Ion:	163	Resp:	2015572
Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.0
164	10.2	8.0	12.0

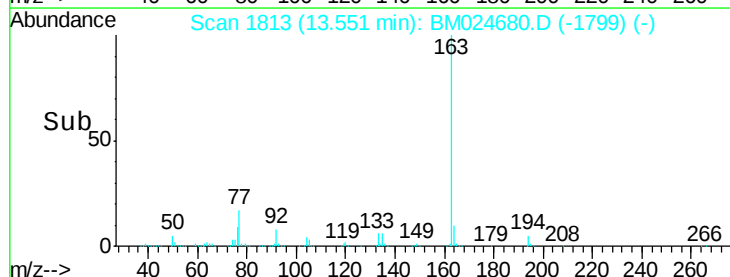
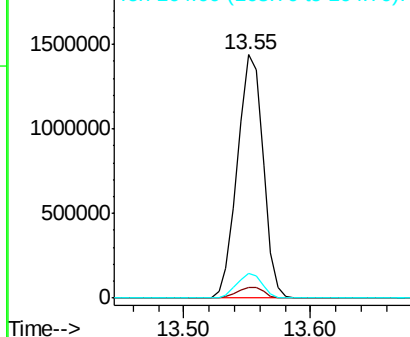


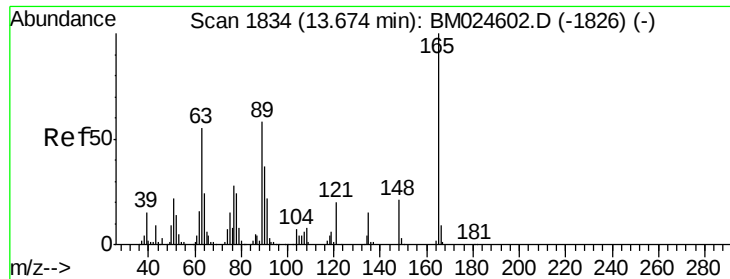
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





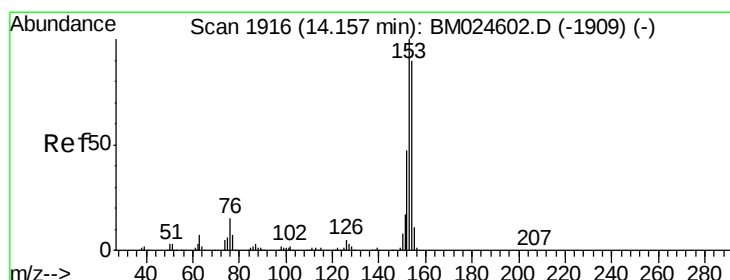
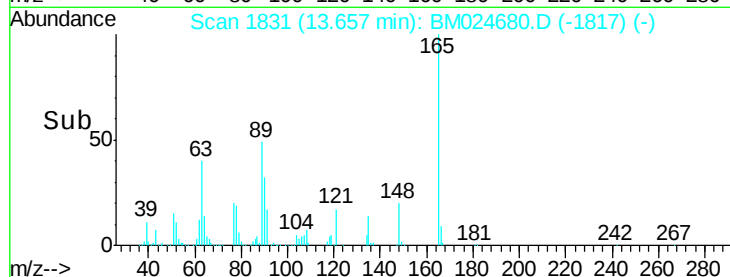
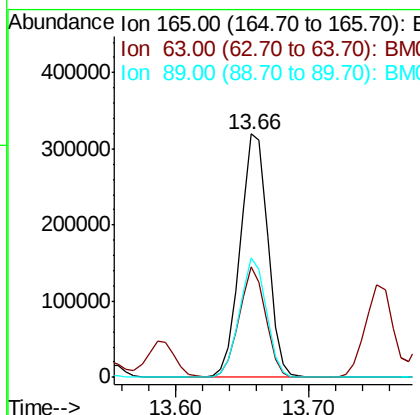
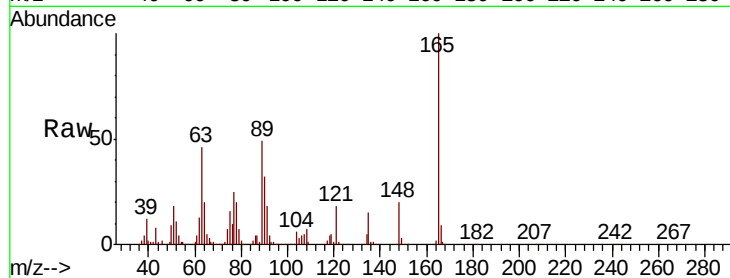
#51
 2,6-Dinitrotoluene
 Concen: 51.686 ng
 RT: 13.66 min Scan# 1831
 Delta R.T. -0.02 min
 Lab File: BM024680.D
 Acq: 31 Jan 2020 17:59

Instrument :
 BNA_M
 ClientSampleId :
 PB126499BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	456469		
63	45.6		45.4	68.0
89	49.1		46.6	69.8

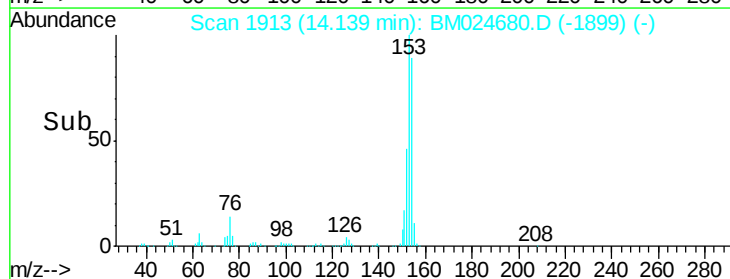
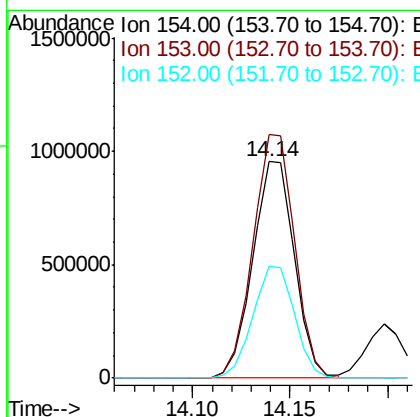
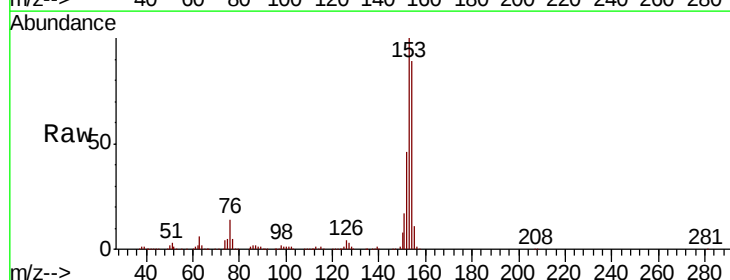
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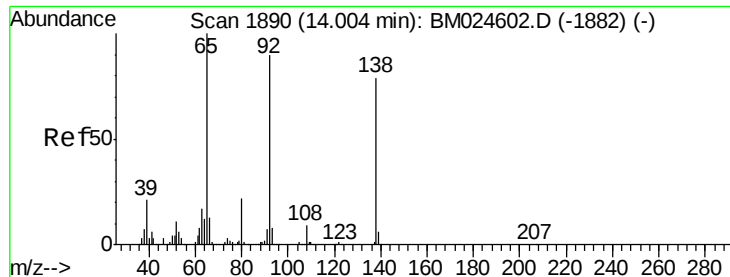
mohammad
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#52
 Acenaphthene
 Concen: 48.460 ng
 RT: 14.14 min Scan# 1913
 Delta R.T. -0.02 min
 Lab File: BM024680.D
 Acq: 31 Jan 2020 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1412837		
153	112.6		89.1	133.7
152	51.6		41.9	62.9





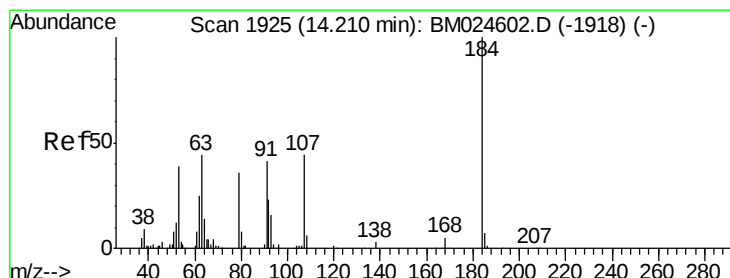
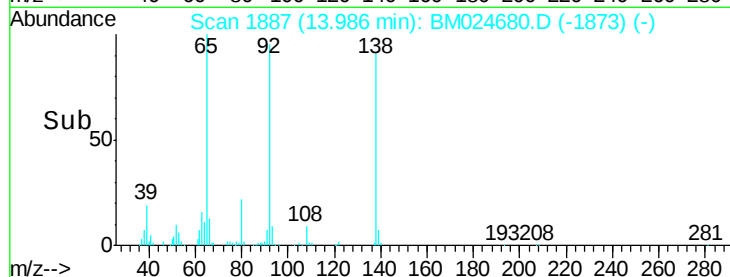
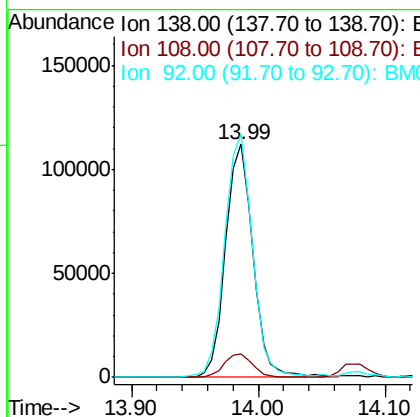
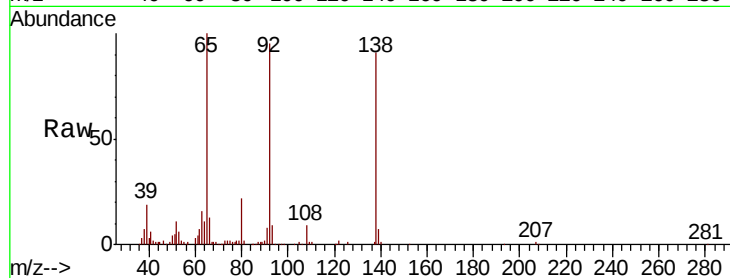
#53
3-Nitroaniline
Concen: 18.384 ng
RT: 13.99 min Scan# 1887
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Instrument :
BNA_M
ClientSampleId :
PB126499BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.7	13.1
92	104.5	91.0	136.4

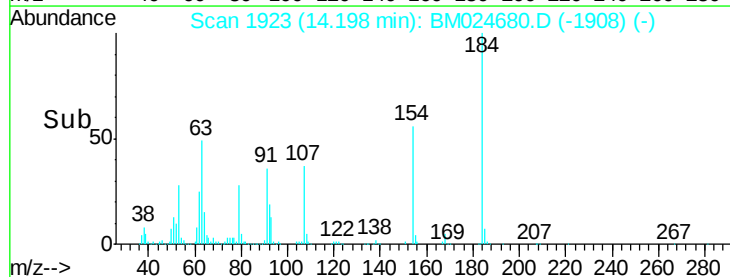
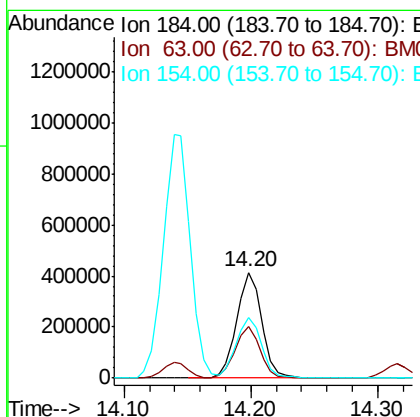
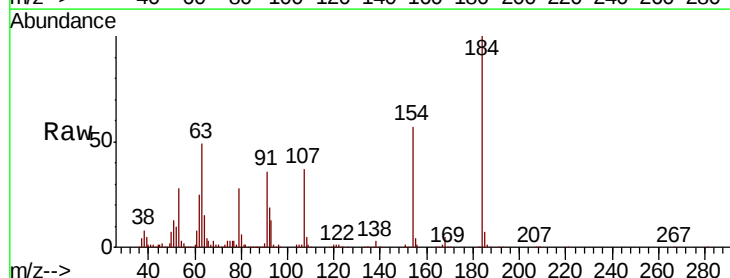
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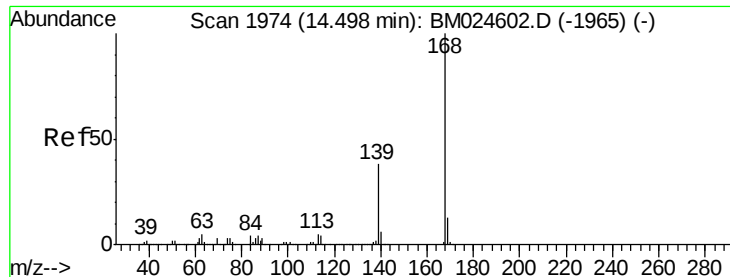
mohammad
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#54
2,4-Dinitrophenol
Concen: 107.210 ng
RT: 14.20 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Tgt Ion	Ratio	Lower	Upper
184	100		
63	48.9	51.8	77.8#
154	57.4	50.2	75.4





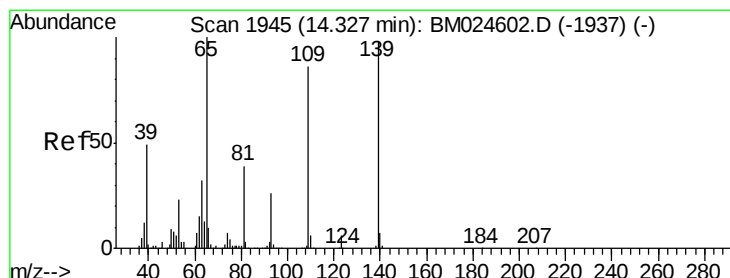
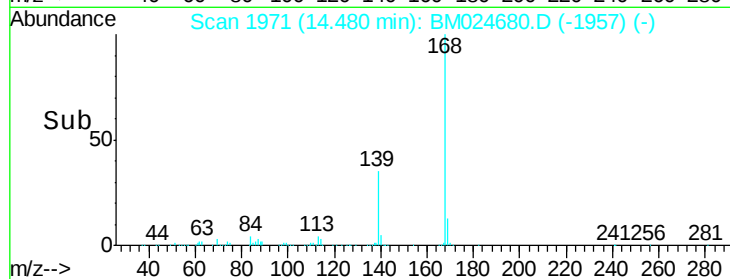
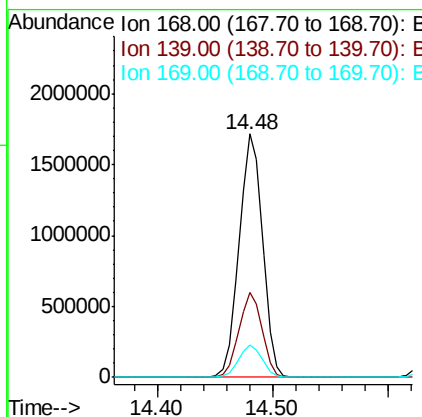
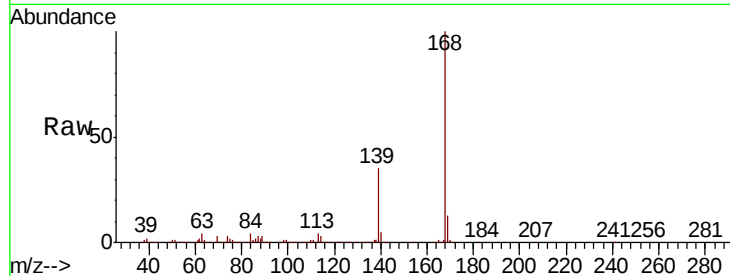
#55
Dibenzenofuran
Concen: 50.787 ng
RT: 14.48 min Scan# 1971
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Instrument :
BNA_M
ClientSampleId :
PB126499BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.7	30.2	45.4
169	13.2	10.7	16.1

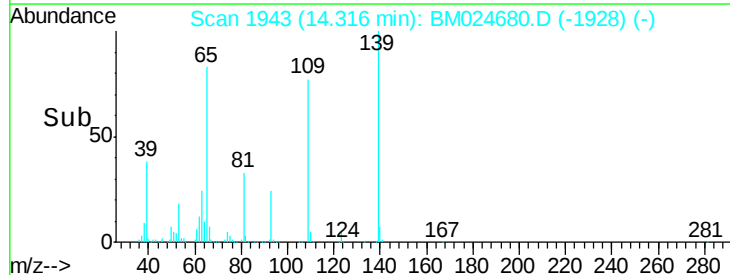
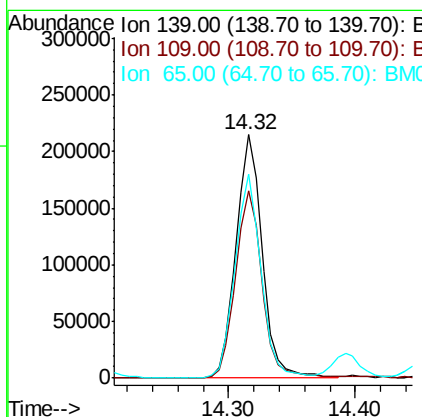
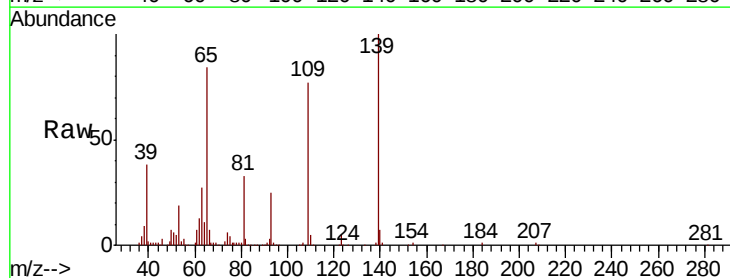
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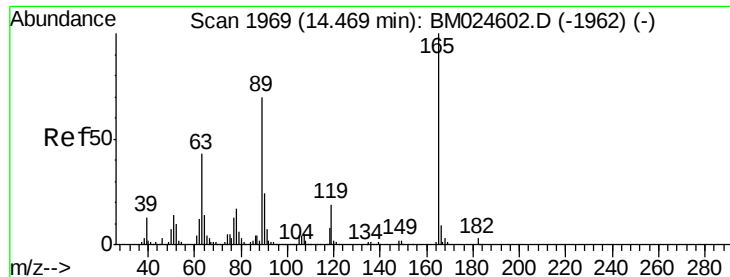
mohammad
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#56
4-Nitrophenol
Concen: 43.147 ng
RT: 14.32 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Tgt Ion	Ratio	Lower	Upper
139	100		
109	76.7	67.4	107.4
65	83.6	82.1	122.1





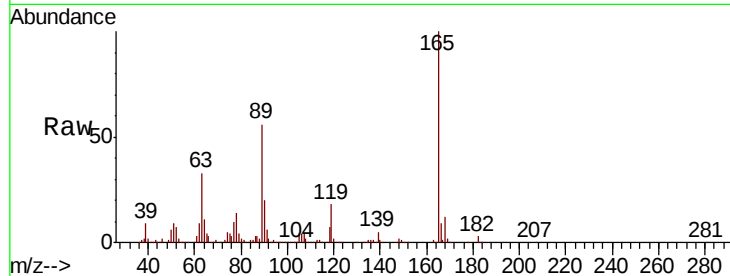
#57
2,4-Dinitrotoluene
Concen: 50.916 ng
RT: 14.46 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Instrument :
BNA_M
ClientSampleId :
PB126499BS

Tot Ion	Ratio	Lower	Upper
165	100		
63	32.6	34.5	51.7#
89	55.7	55.8	83.8#
182	3.2	2.3	3.5

Manual Integrations
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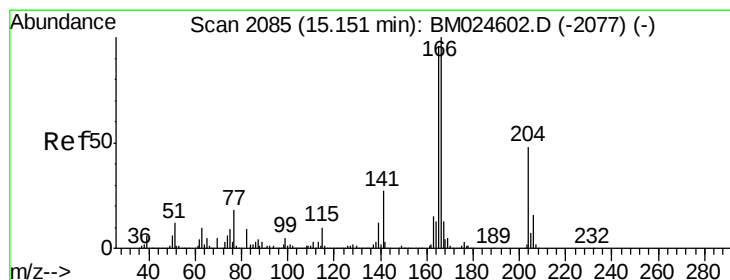
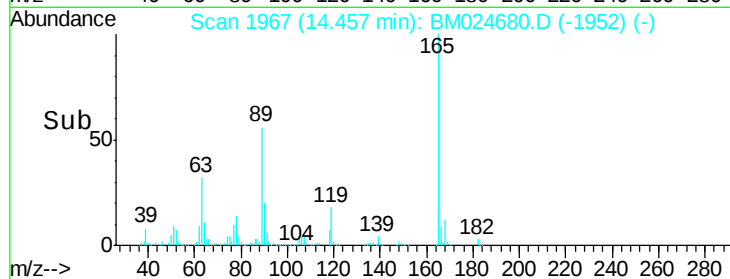
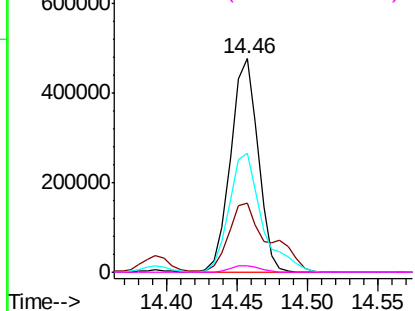
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 89.00 (88.70 to 89.70): BM

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 48.818 ng
RT: 15.13 min Scan# 2082
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

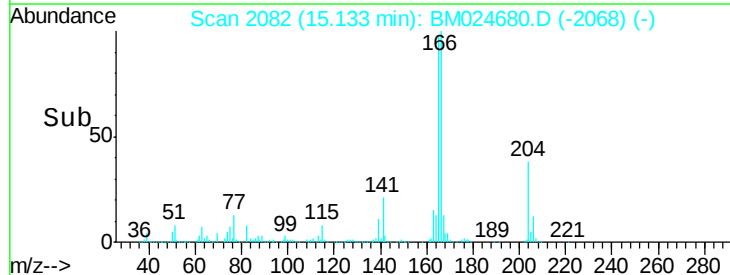
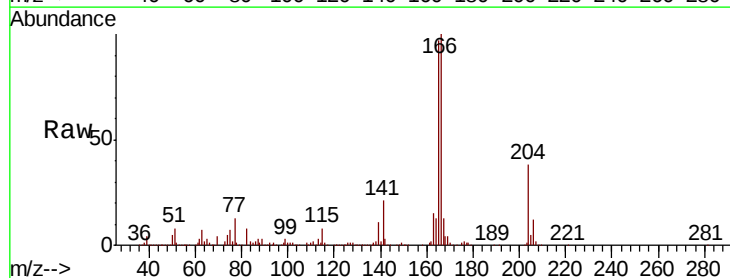
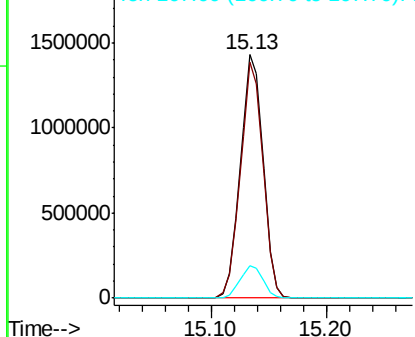
Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.7	76.6	114.8
167	13.3	10.8	16.2

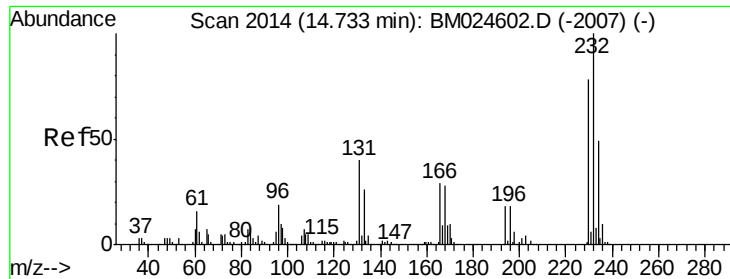
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





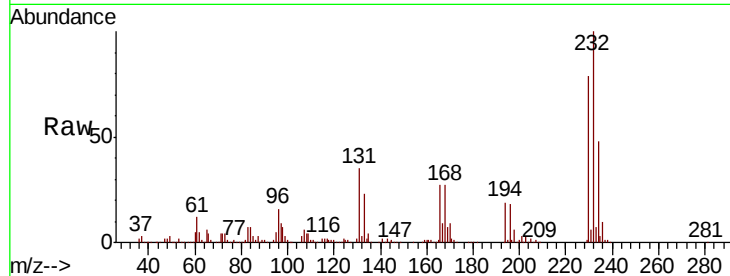
#59
2,3,4,6-Tetrachlorophenol
Concen: 53.634 ng
RT: 14.72 min Scan# 2011
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Instrument :
BNA_M
ClientSampleId :
PB126499BS

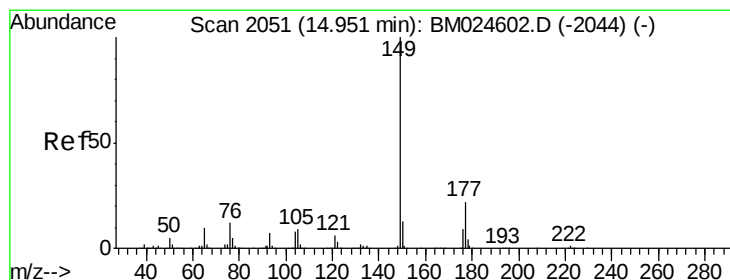
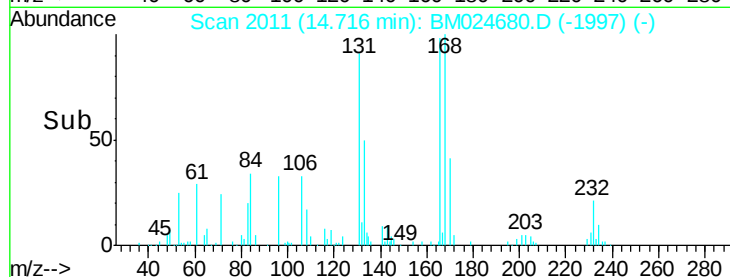
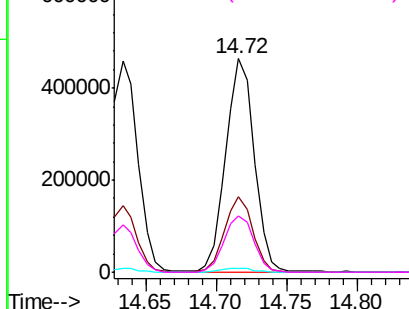
Tot Ion	Ratio	Lower	Upper
232	100		
131	35.1	32.2	48.4
130	1.9	1.9	2.9
166	27.9	23.4	35.0

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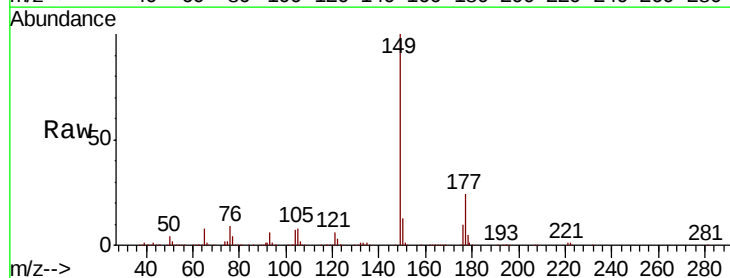


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

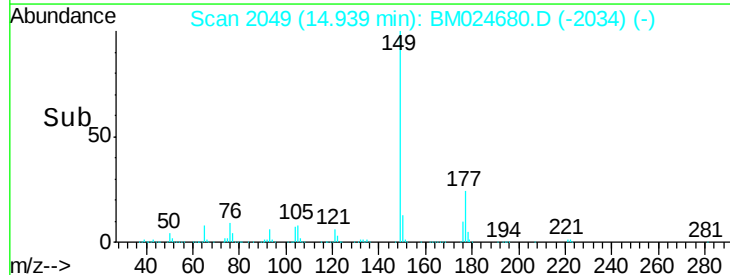
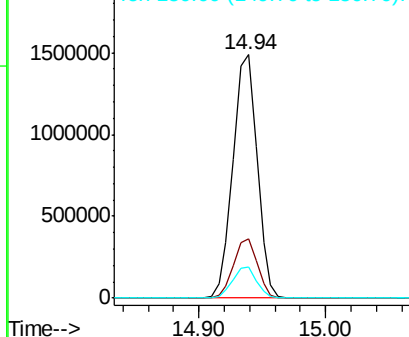


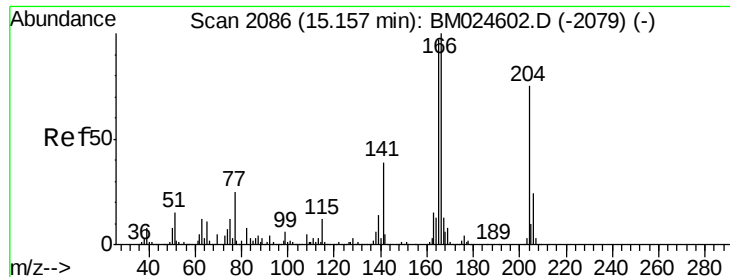
#60
Diethylphthalate
Concen: 46.600 ng
RT: 14.94 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.4	18.0	27.0
150	12.5	10.2	15.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





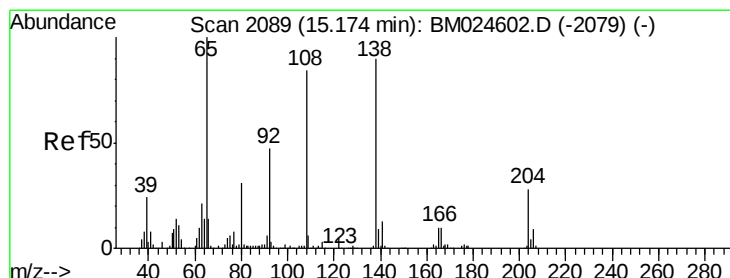
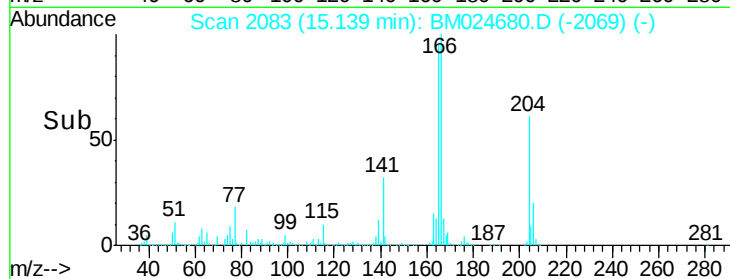
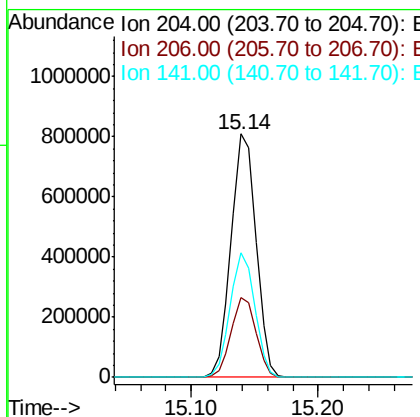
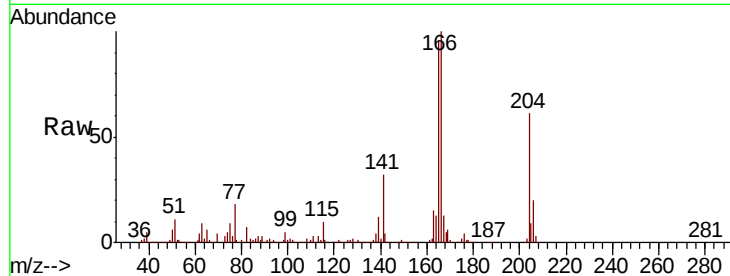
#61
4-Chlorophenyl-phenylether
Concen: 47.709 ng
RT: 15.14 min Scan# 2083
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Instrument :
BNA_M
ClientSampleId :
PB126499BS

Tot Ion:204 Resp: 1099047
Ion Ratio Lower Upper
204 100
206 32.8 26.2 39.2
141 51.4 42.2 63.2

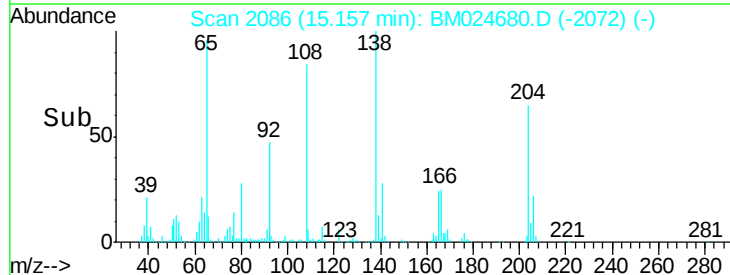
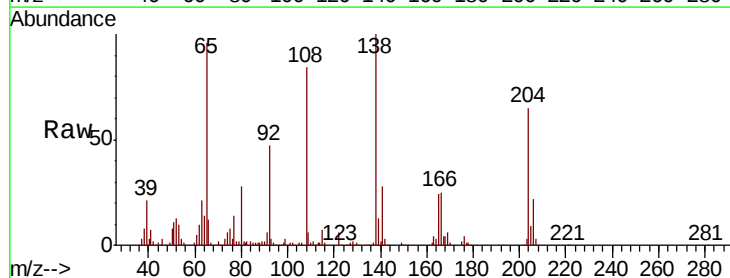
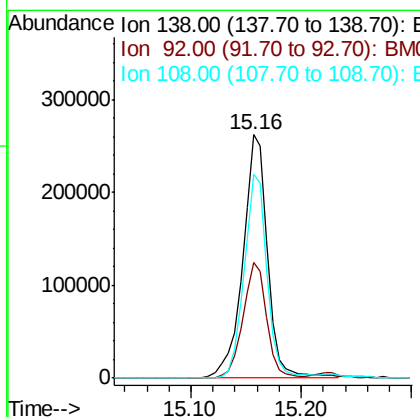
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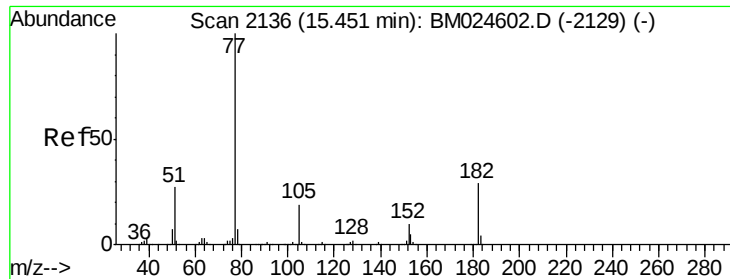
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#62
4-Nitroaniline
Concen: 40.764 ng
RT: 15.16 min Scan# 2086
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Tgt Ion:138 Resp: 412159
Ion Ratio Lower Upper
138 100
92 47.2 32.4 72.4
108 83.7 73.3 113.3





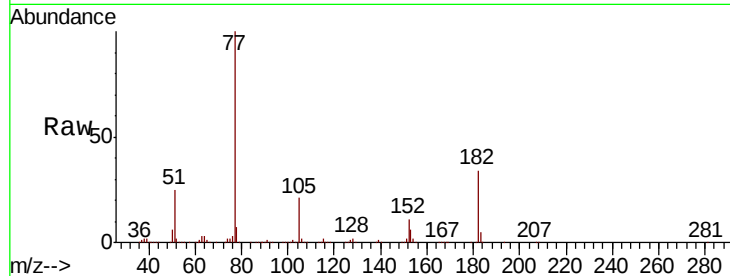
#63
Azobenzene
Concen: 42.051 ng
RT: 15.43 min Scan# 2133
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Instrument :
BNA_M
ClientSampleId :
PB126499BS

Tot Ion	77	Resp	1512665
Ion	Ratio	Lower	Upper
77	100		
182	34.1	8.7	48.7
105	21.1	0.0	39.2
51	25.4	7.5	47.5

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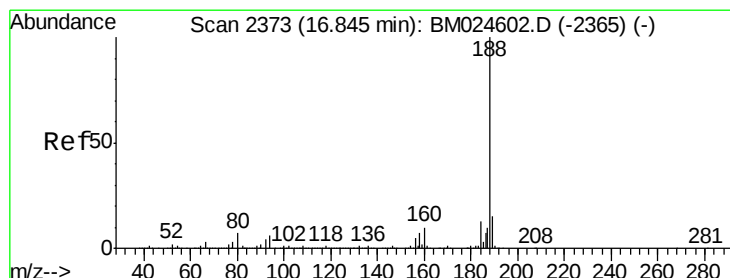
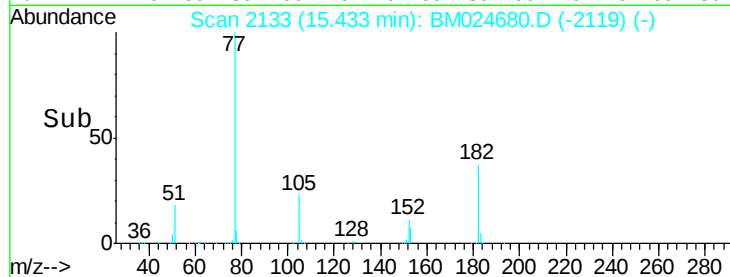
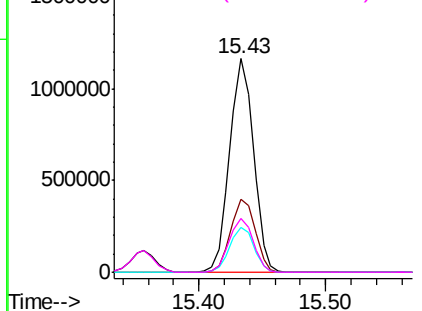
Abundance

Ion 77.00 (76.70 to 77.70): BM024680.D (-2119) (-)

Ion 182.00 (181.70 to 182.70): BM024680.D (-2119) (-)

Ion 105.00 (104.70 to 105.70): BM024680.D (-2119) (-)

Ion 51.00 (50.70 to 51.70): BM024680.D (-2119) (-)



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.83 min Scan# 2370
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

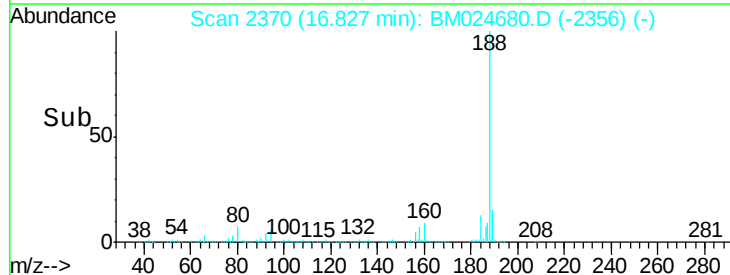
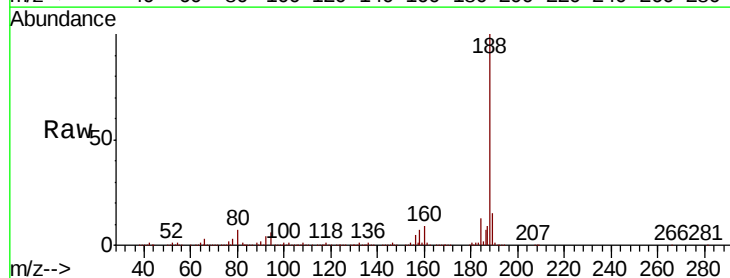
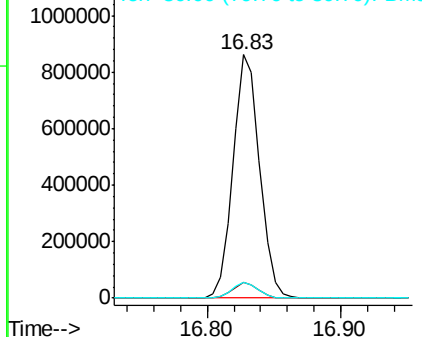
Tgt Ion	188	Resp	1192936
Ion	Ratio	Lower	Upper
188	100		
94	6.5	5.0	7.6
80	6.6	5.8	8.8

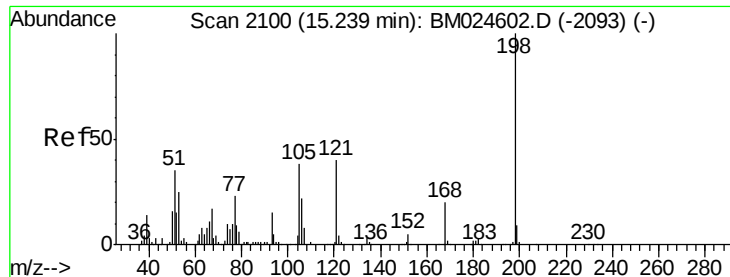
Abundance

Ion 188.00 (187.70 to 188.70): BM024680.D (-2356) (-)

Ion 94.00 (93.70 to 94.70): BM024680.D (-2356) (-)

Ion 80.00 (79.70 to 80.70): BM024680.D (-2356) (-)





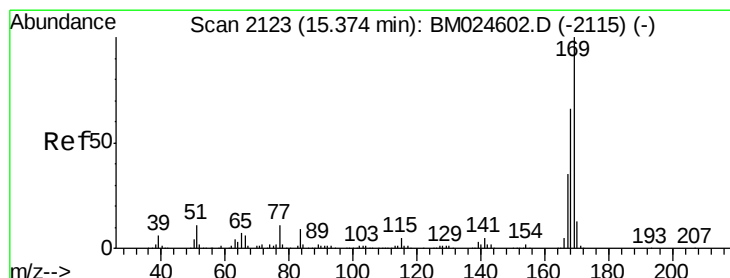
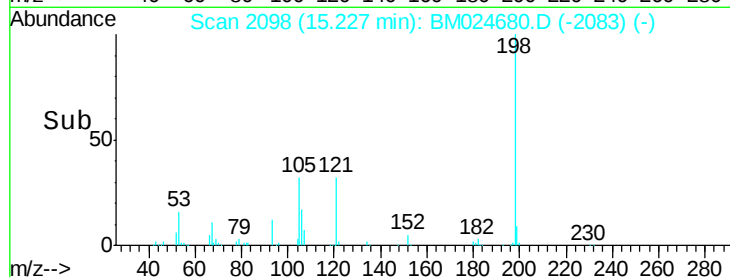
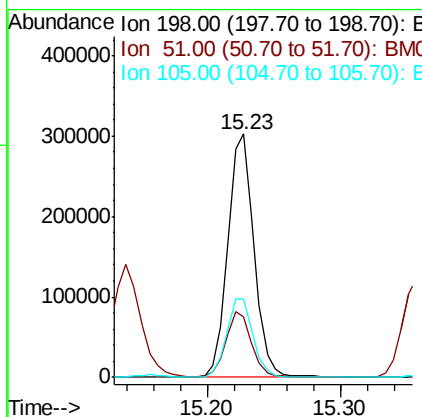
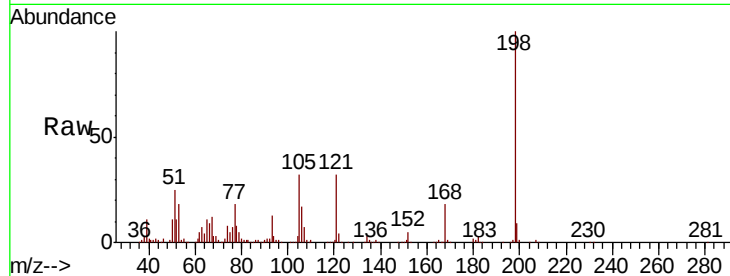
#65
4,6-Dinitro-2-methylphenol
Concen: 59.364 ng
RT: 15.23 min Scan# 2098
Delta R.T. -0.01 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Instrument :
BNA_M
ClientSampleId :
PB126499BS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	416389		
51	25.1		15.8	55.8
105	32.0		18.5	58.5

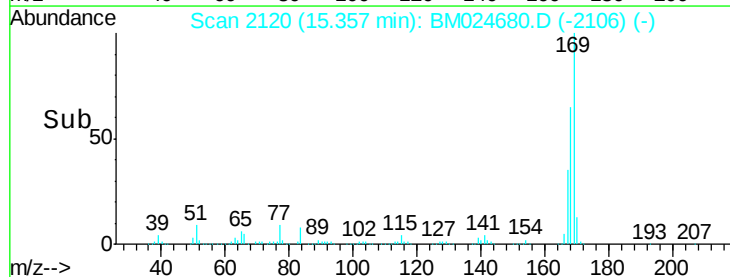
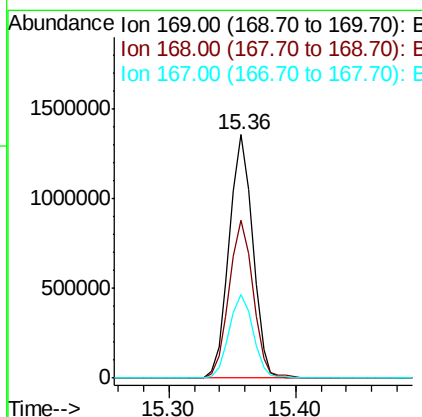
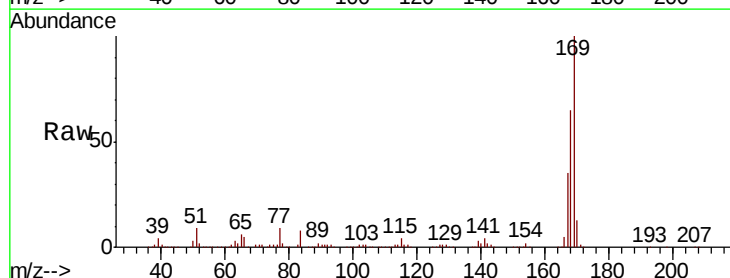
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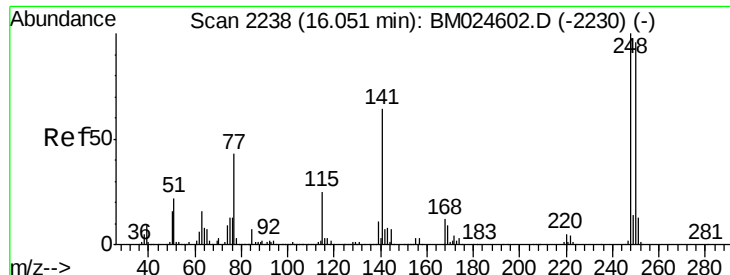
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#66
n-Nitrosodiphenylamine
Concen: 50.845 ng
RT: 15.36 min Scan# 2120
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1742313		
168	64.9		52.8	79.2
167	34.6		28.2	42.2





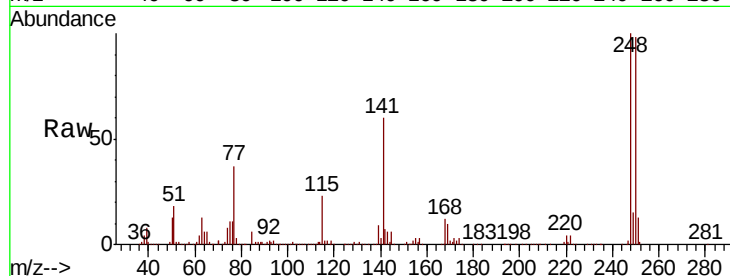
#67
 4-Bromophenyl-phenylether
 Concen: 49.984 ng
 RT: 16.03 min Scan# 2235
 Delta R.T. -0.02 min
 Lab File: BM024680.D
 Acq: 31 Jan 2020 17:59

Instrument :
 BNA_M
 ClientSampleId :
 PB126499BS

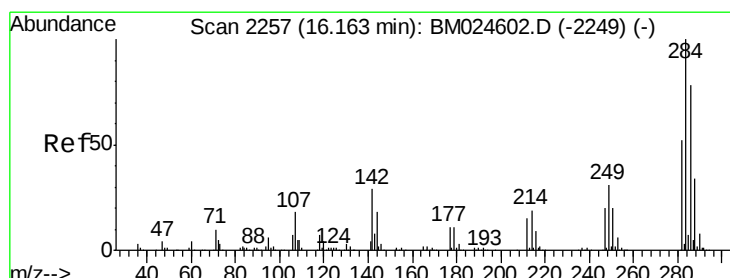
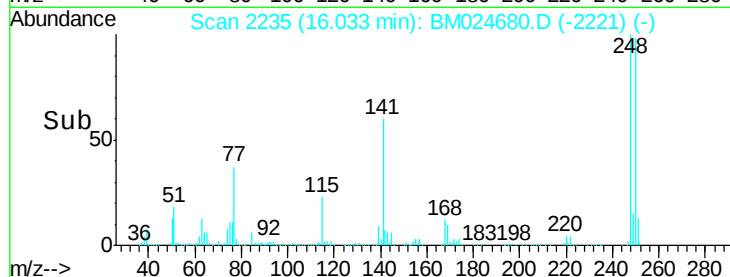
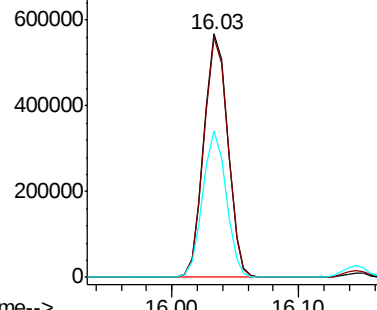
Tot Ion	Ratio	Lower	Upper
248	100		
250	98.2	77.0	115.6
141	59.9	50.9	76.3

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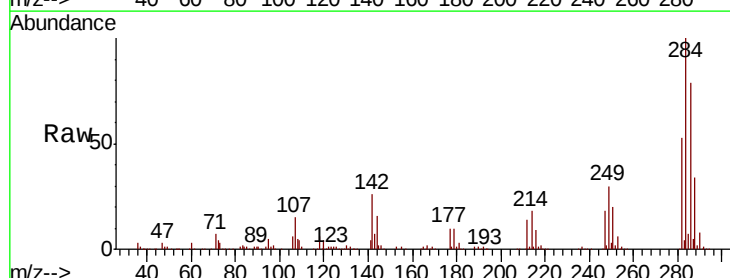


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

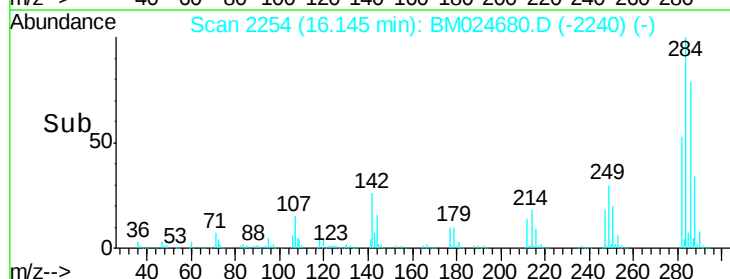
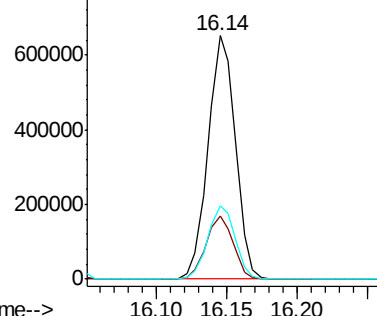


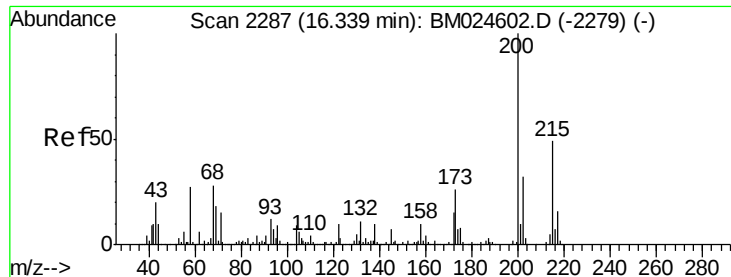
#68
 Hexachlorobenzene
 Concen: 51.549 ng
 RT: 16.14 min Scan# 2254
 Delta R.T. -0.02 min
 Lab File: BM024680.D
 Acq: 31 Jan 2020 17:59

Tgt Ion	Ratio	Lower	Upper
284	100		
142	25.8	23.5	35.3
249	29.9	24.6	36.8



Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 55.637 ng

RT: 16.33 min Scan# 2285

Delta R.T. -0.01 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Instrument :

BNA_M

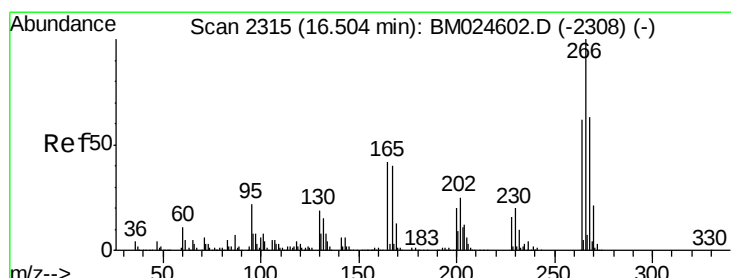
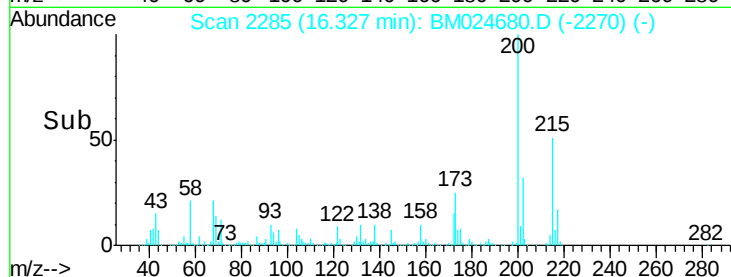
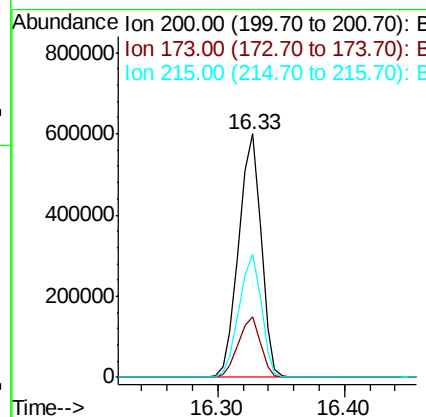
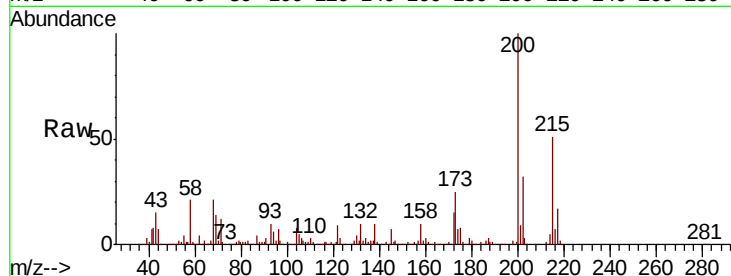
ClientSampleId :

PB126499BS

Tot Ion:	200	Resp:	731810
Ion Ratio	Lower	Upper	
200	100		
173	24.9	5.5	45.5
215	50.9	29.4	69.4

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#70

Pentachlorophenol

Concen: 108.438 ng

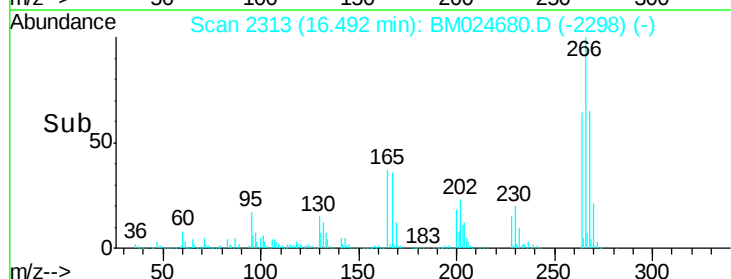
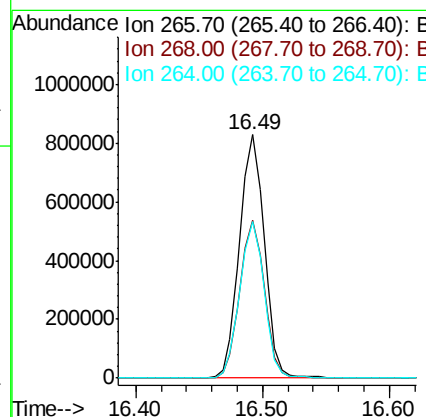
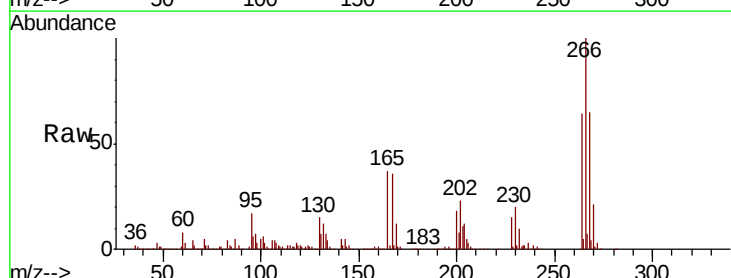
RT: 16.49 min Scan# 2313

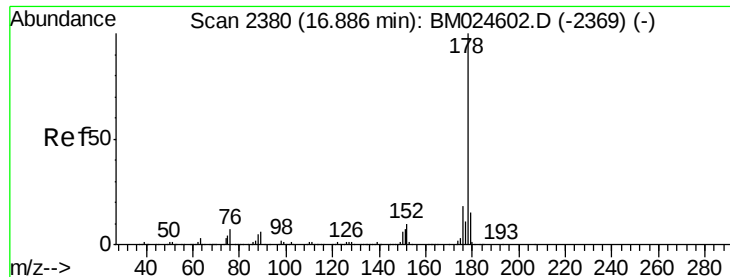
Delta R.T. -0.01 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Tgt Ion:	266	Resp:	1124465
Ion Ratio	Lower	Upper	
266	100		
268	65.0	50.4	75.6
264	64.1	49.9	74.9





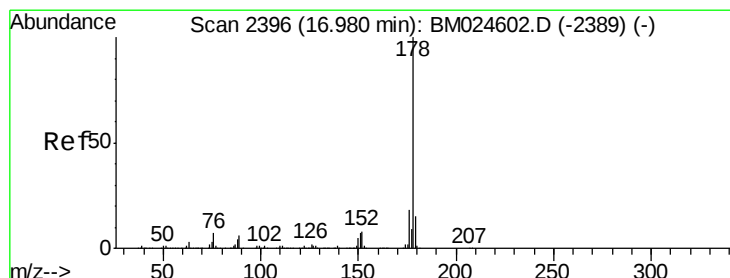
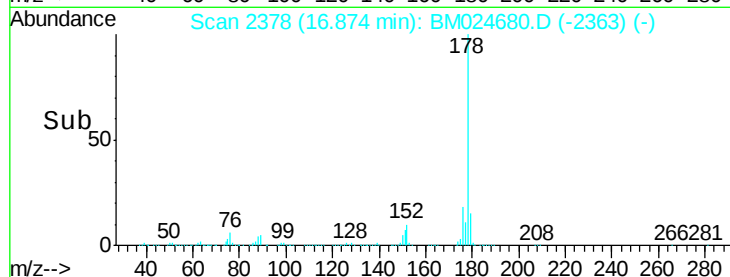
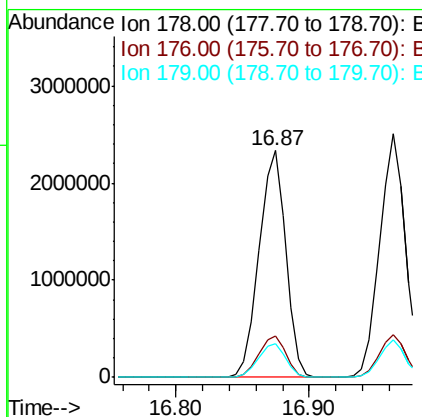
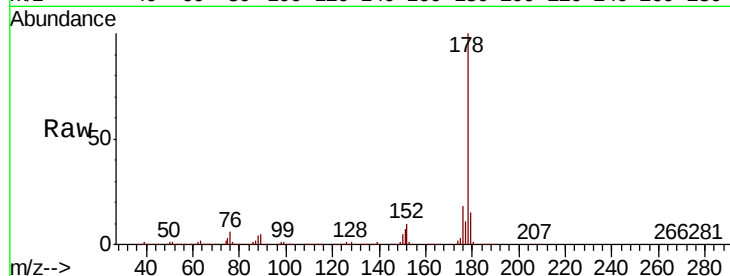
#71
Phenanthrene
Concen: 49.888 ng
RT: 16.87 min Scan# 2378
Delta R.T. -0.01 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Instrument :
BNA_M
ClientSampleId :
PB126499BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.5	21.7
179	14.9	11.9	17.9

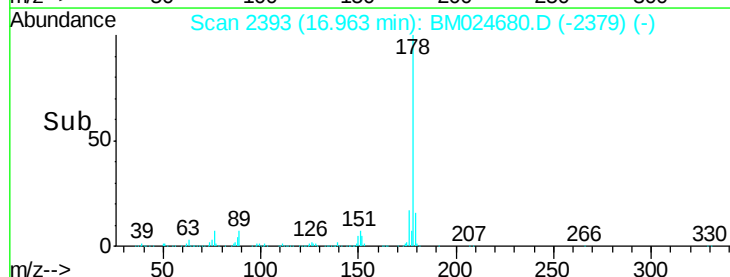
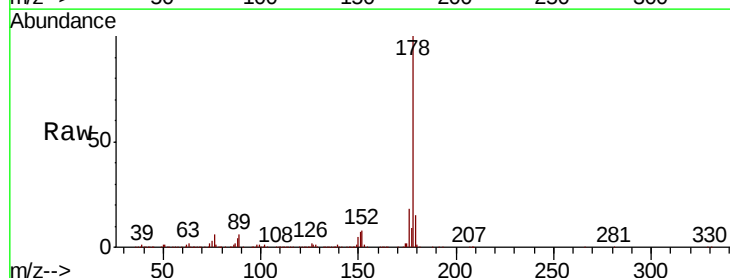
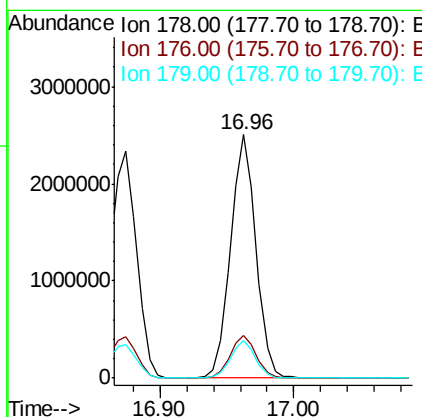
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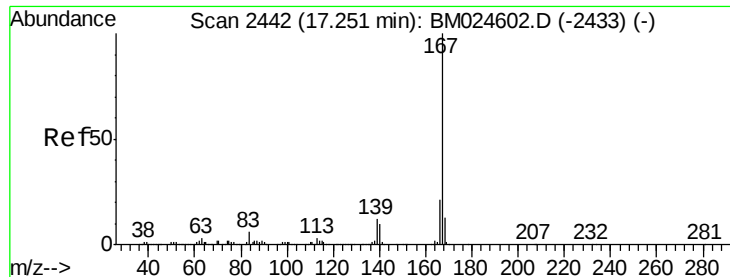
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#72
Anthracene
Concen: 52.345 ng
RT: 16.96 min Scan# 2393
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.3	21.5
179	15.3	12.1	18.1





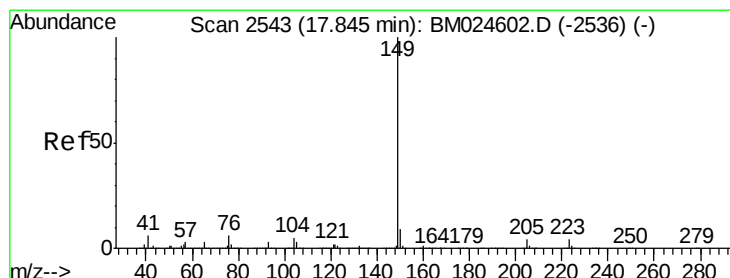
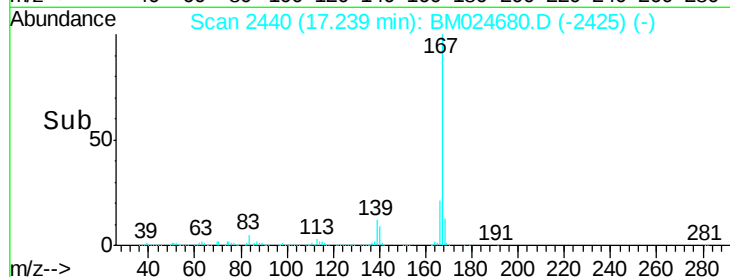
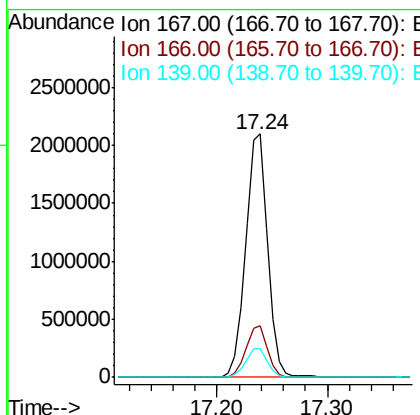
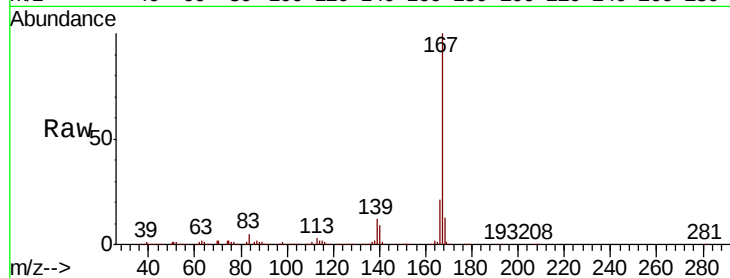
#73
 Carbazole
 Concen: 51.102 ng
 RT: 17.24 min Scan# 2440
 Delta R.T. -0.01 min
 Lab File: BM024680.D
 Acq: 31 Jan 2020 17:59

Instrument :
 BNA_M
 ClientSampleId :
 PB126499BS

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.1	25.7
139	11.6	9.8	14.8

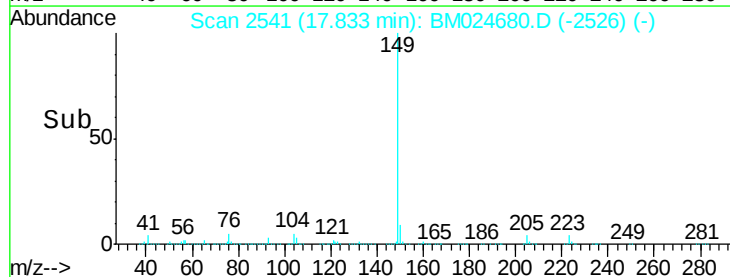
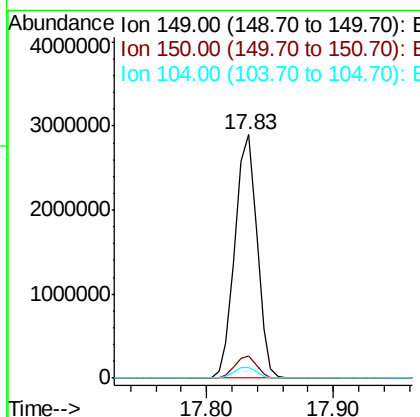
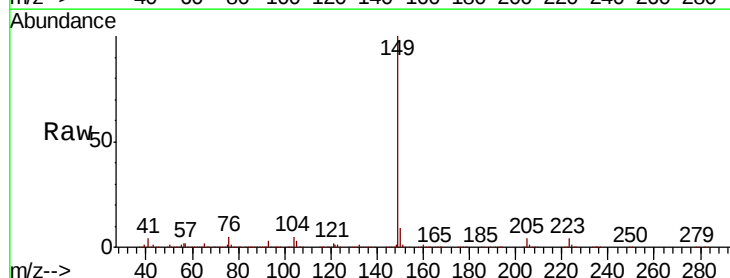
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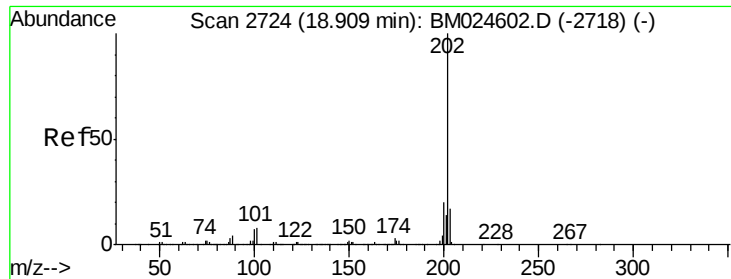
mohammad
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#74
 Di-n-butylphthalate
 Concen: 47.302 ng
 RT: 17.83 min Scan# 2541
 Delta R.T. -0.01 min
 Lab File: BM024680.D
 Acq: 31 Jan 2020 17:59

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.0
104	4.6	4.3	6.5





#75

Fluoranthene

Concen: 51.111 ng

RT: 18.90 min Scan# 2722

Delta R.T. -0.01 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Instrument :

BNA_M

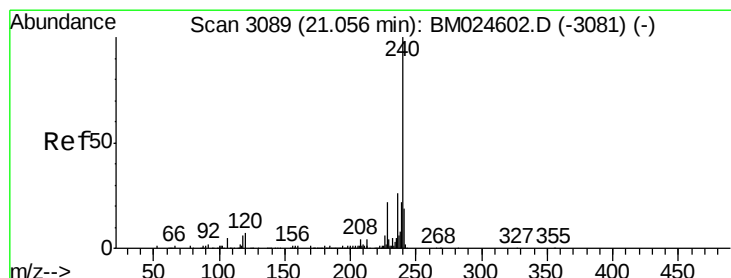
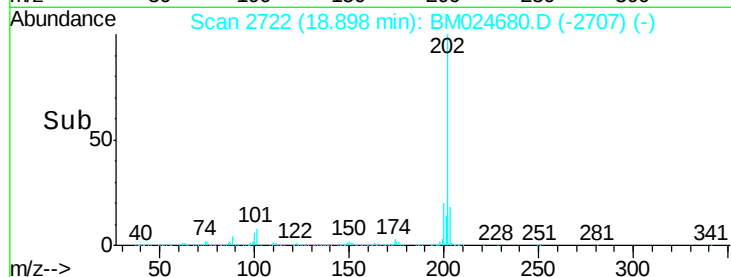
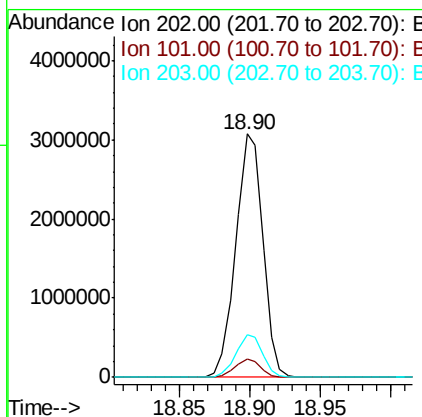
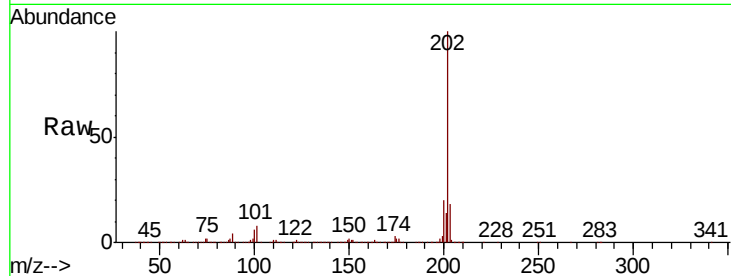
ClientSampleId :

PB126499BS

Tot Ion:	202	Resp:	4120940
Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	28.4
203	17.5	0.0	37.5

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#76

Chrysene-d12

Concen: 20.000 ng

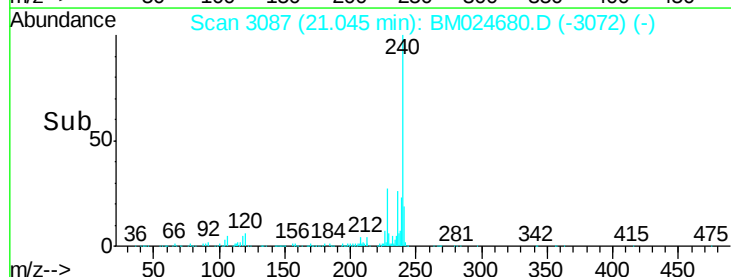
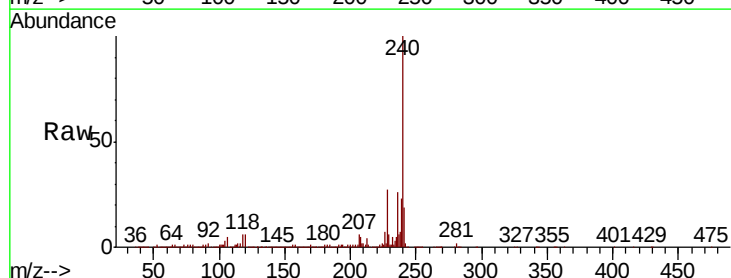
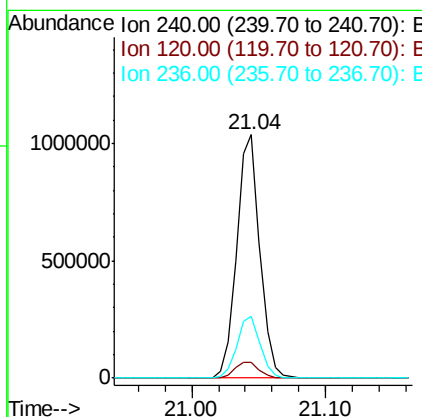
RT: 21.04 min Scan# 3087

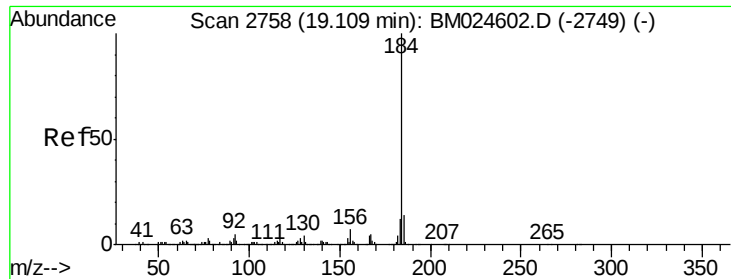
Delta R.T. -0.01 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Tgt Ion:	240	Resp:	1246895
Ion	Ratio	Lower	Upper
240	100		
120	6.3	5.3	7.9
236	25.6	20.6	31.0





#77

Benzidine

Concen: 41.039 ng

RT: 19.10 min Scan# 2756

Delta R.T. -0.01 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Instrument :

BNA_M

ClientSampleId :

PB126499BS

Tot Ion:184 Resp: 1191719

Ion Ratio Lower Upper

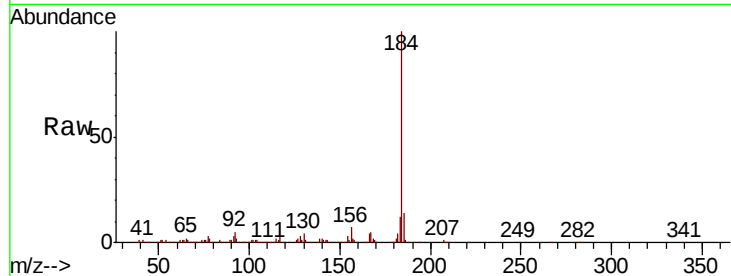
184 100

185 13.8 11.3 16.9

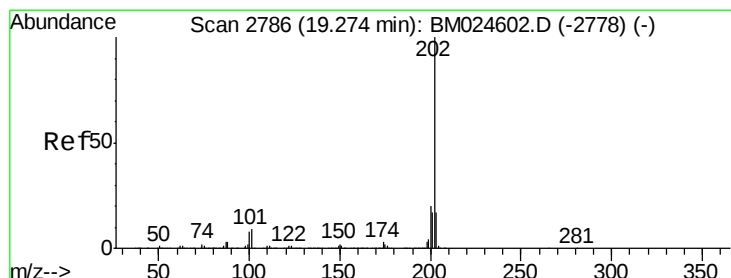
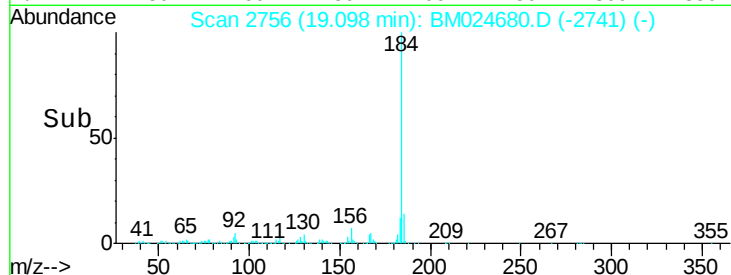
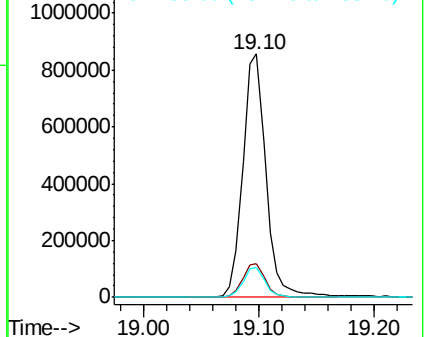
183 12.0 9.6 14.4

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 51.349 ng

RT: 19.26 min Scan# 2784

Delta R.T. -0.01 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

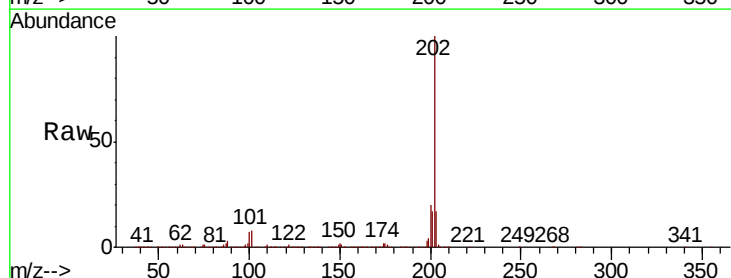
Tgt Ion:202 Resp: 4220894

Ion Ratio Lower Upper

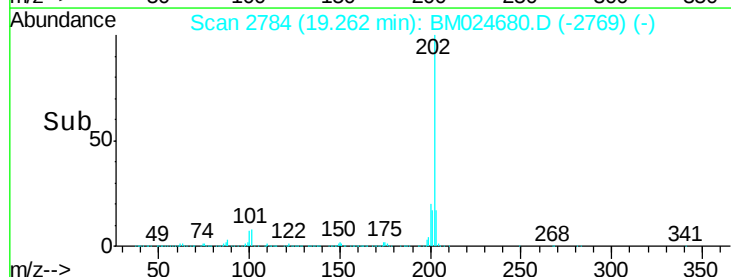
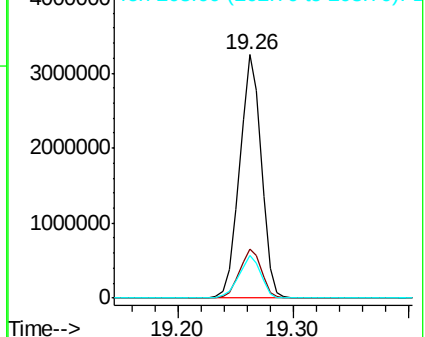
202 100

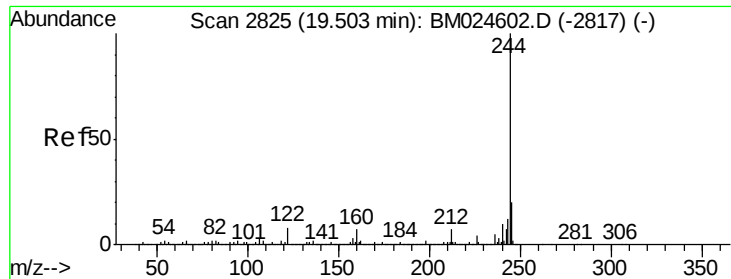
200 20.3 16.2 24.2

203 17.5 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 106.672 ng

RT: 19.49 min Scan# 2823

Delta R.T. -0.01 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Instrument :

BNA_M

ClientSampleId :

PB126499BS

Tot Ion:244 Resp: 7124598

Ion Ratio Lower Upper

244 100

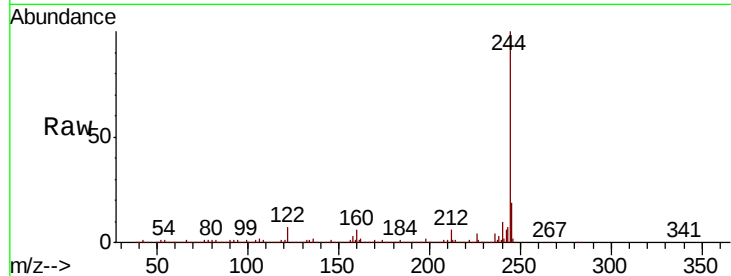
212 6.5 5.4 8.2

122 6.6 6.2 9.4

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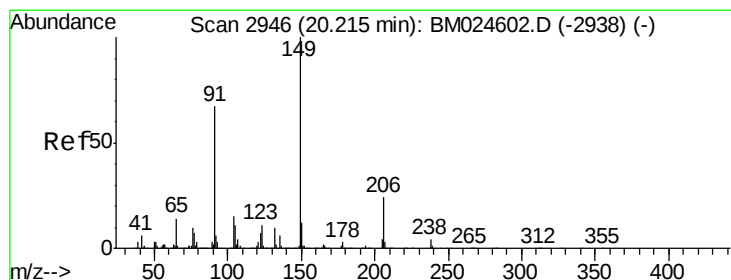
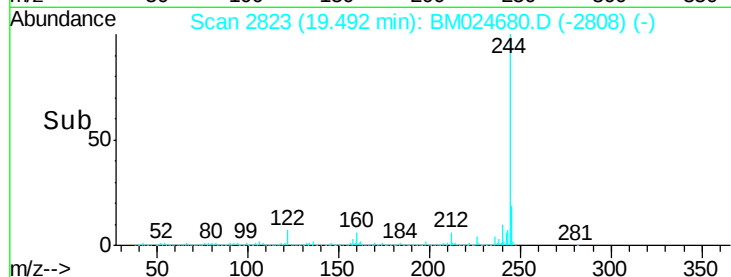
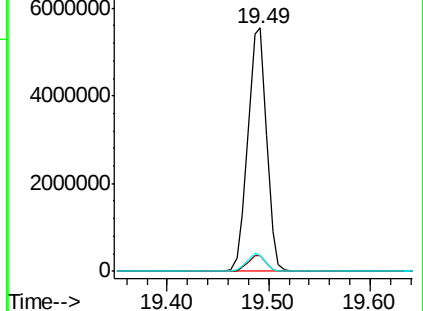
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 46.369 ng

RT: 20.20 min Scan# 2944

Delta R.T. -0.01 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

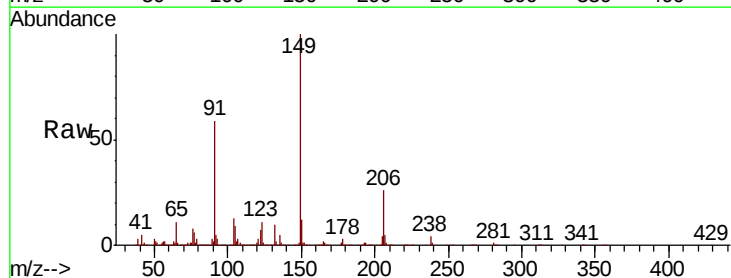
Tgt Ion:149 Resp: 1599352

Ion Ratio Lower Upper

149 100

91 59.3 53.9 80.9

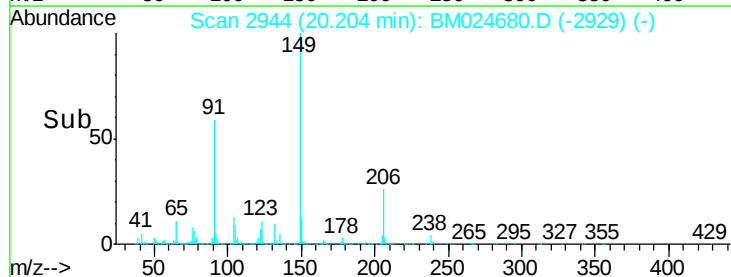
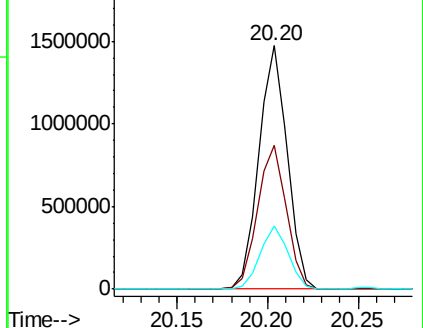
206 25.7 19.0 28.6

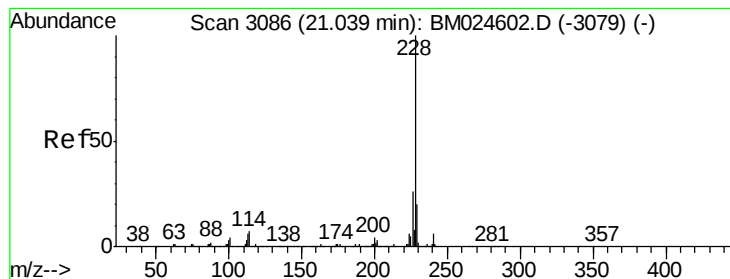


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 49.817 ng

RT: 21.03 min Scan# 3084

Delta R.T. -0.01 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Instrument :

BNA_M

ClientSampleId :

PB126499BS

Tot Ion:228 Resp: 4311281

Ion Ratio Lower Upper

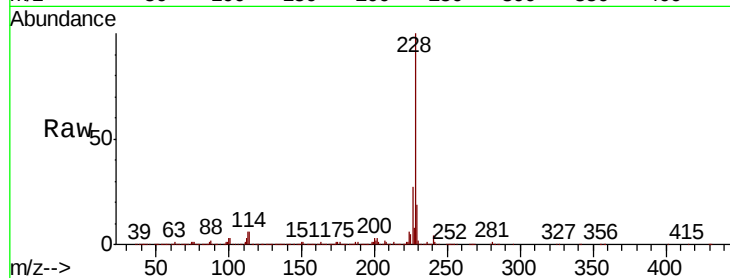
228 100

226 26.6 21.1 31.7

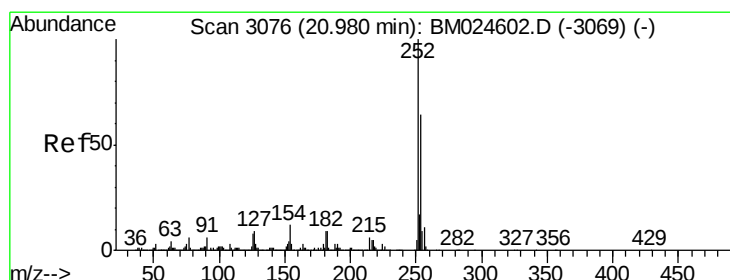
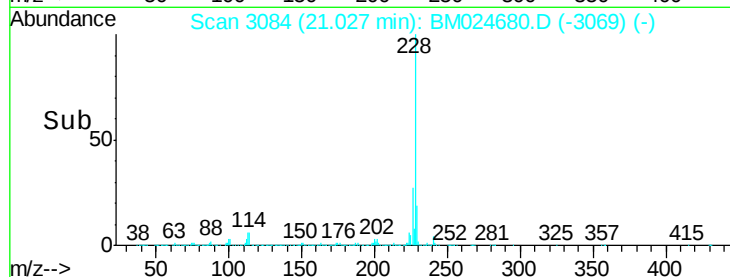
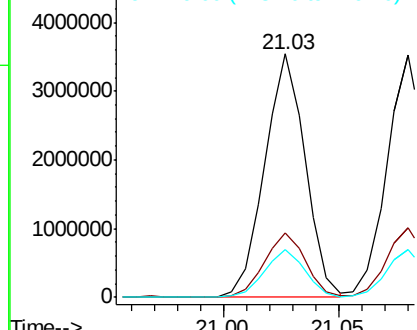
229 19.4 15.8 23.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 37.911 ng

RT: 20.97 min Scan# 3074

Delta R.T. -0.01 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

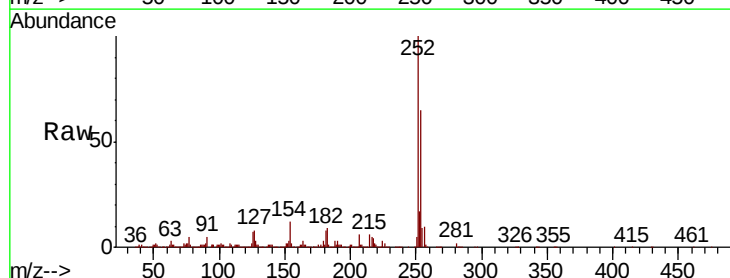
Tgt Ion:252 Resp: 1180209

Ion Ratio Lower Upper

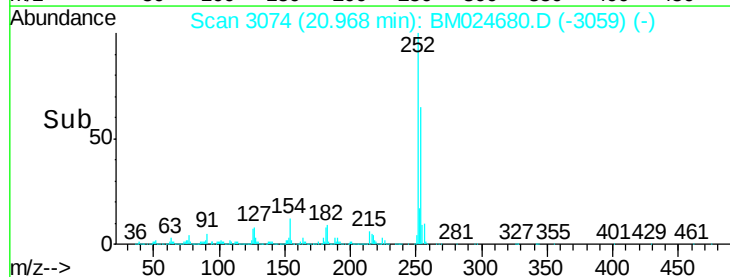
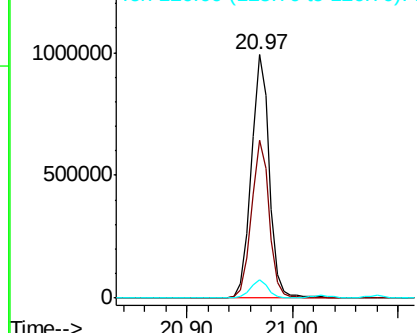
252 100

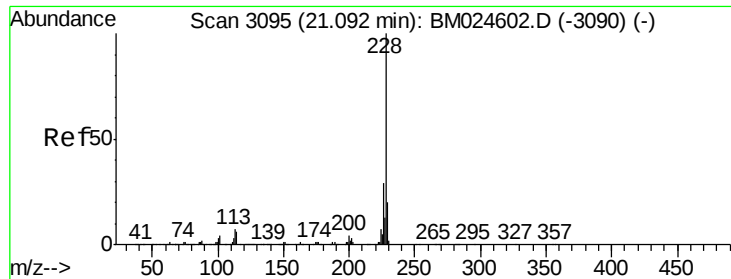
254 64.9 51.5 77.3

126 7.4 6.7 10.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 50.148 ng

RT: 21.08 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Instrument :

BNA_M

ClientSampleId :

PB126499BS

Tot Ion:228 Resp: 4141194

Ion Ratio Lower Upper

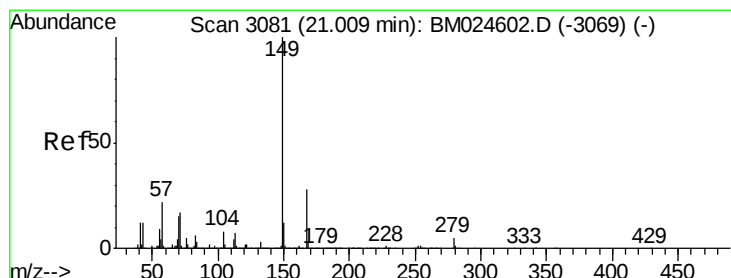
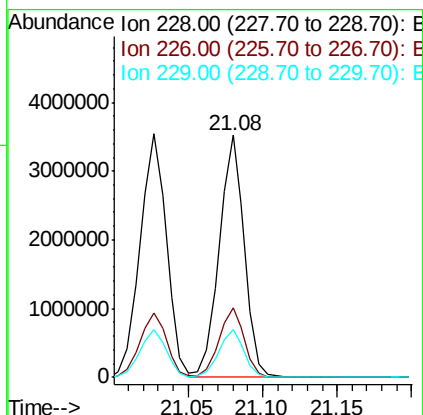
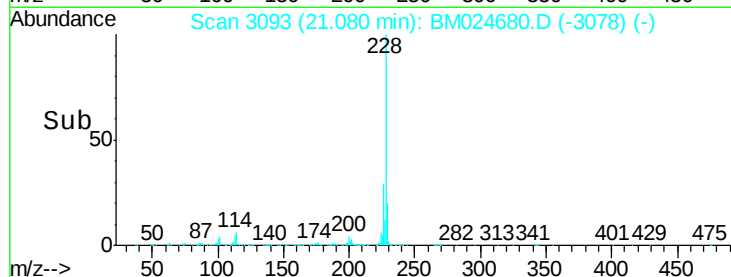
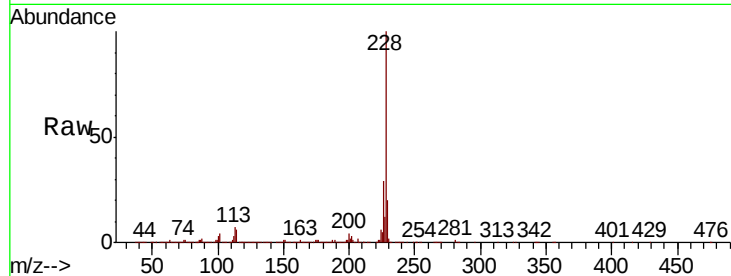
228 100

226 29.0 23.2 34.8

229 19.6 15.7 23.5

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#84

Bis(2-ethylhexyl)phthalate

Concen: 46.335 ng

RT: 21.00 min Scan# 3079

Delta R.T. -0.01 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

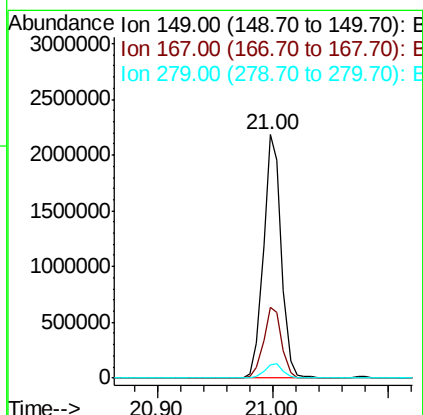
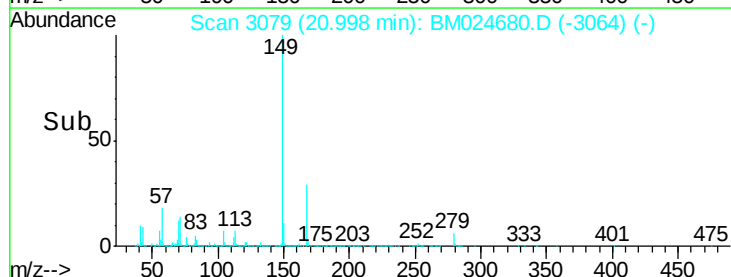
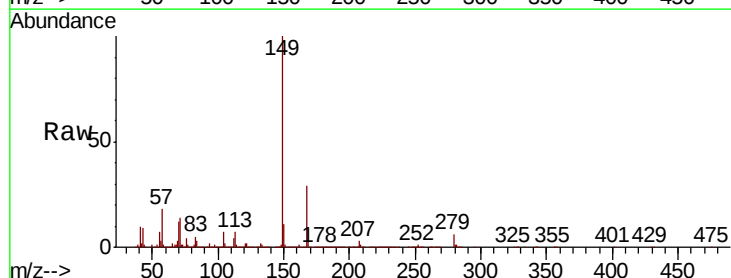
Tgt Ion:149 Resp: 2358148

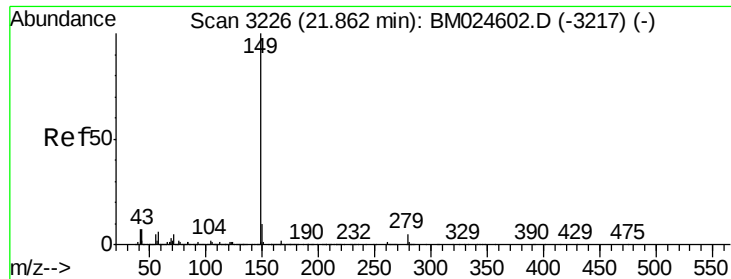
Ion Ratio Lower Upper

149 100

167 29.2 22.5 33.7

279 5.5 4.0 6.0





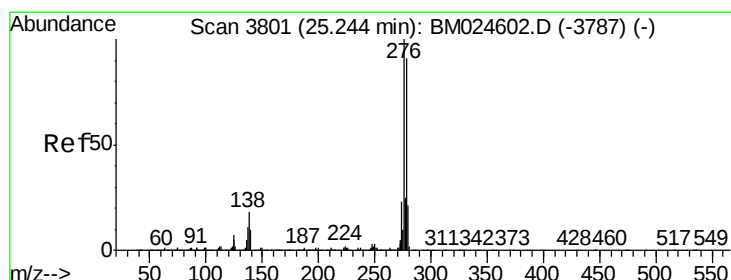
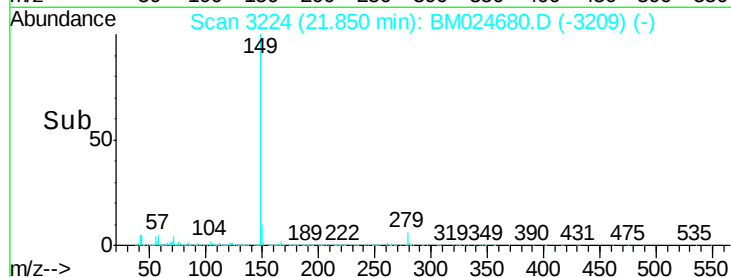
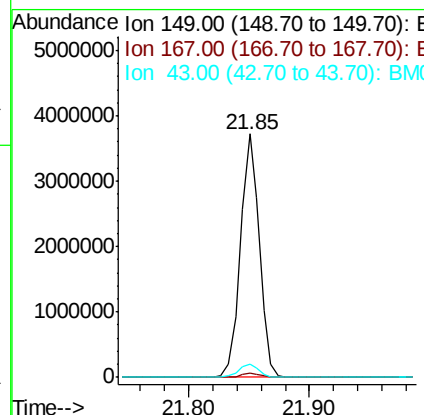
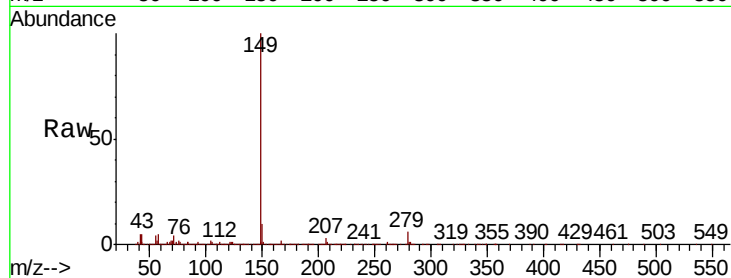
#85
Di-n-octyl phthalate
Concen: 48.092 ng
RT: 21.85 min Scan# 3224
Delta R.T. -0.01 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Instrument :
BNA_M
ClientSampleId :
PB126499BS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	5.6	5.8	8.6

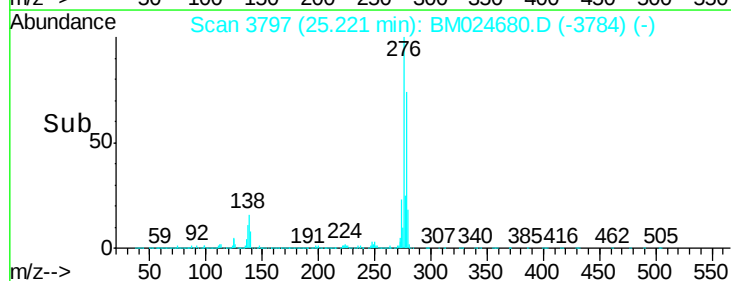
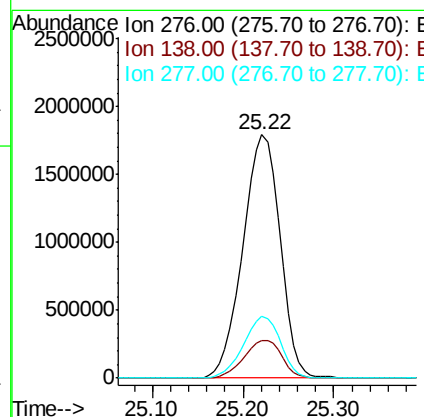
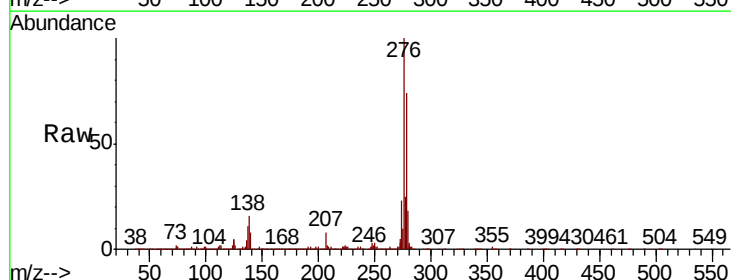
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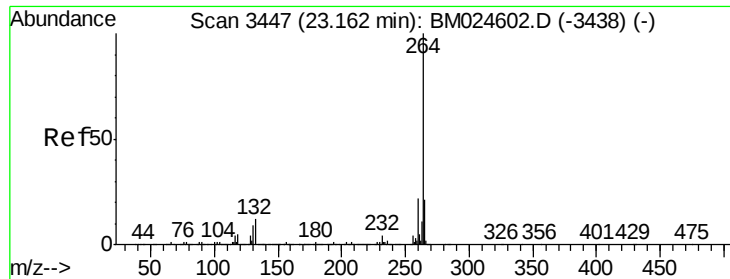
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#86
Indeno(1,2,3-cd)pyrene
Concen: 57.058 ng
RT: 25.22 min Scan# 3797
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.8	13.4	20.0
277	25.3	19.6	29.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.15 min Scan# 3445

Delta R.T. -0.01 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Instrument :

BNA_M

ClientSampleId :

PB126499BS

Tot Ion:264 Resp: 1397838

Ion Ratio Lower Upper

264 100

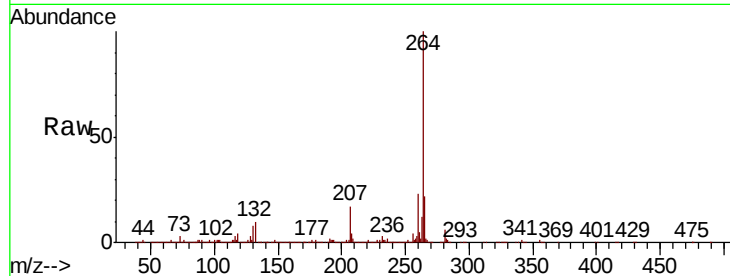
260 23.3 17.9 26.9

265 22.0 17.3 25.9

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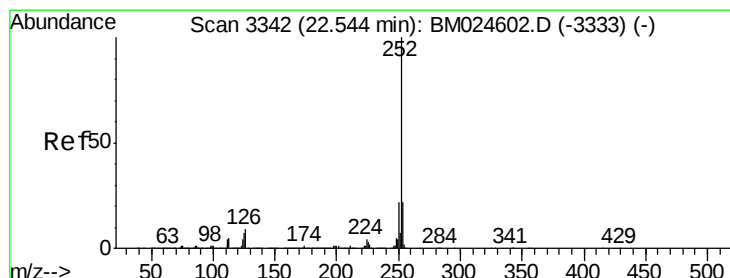
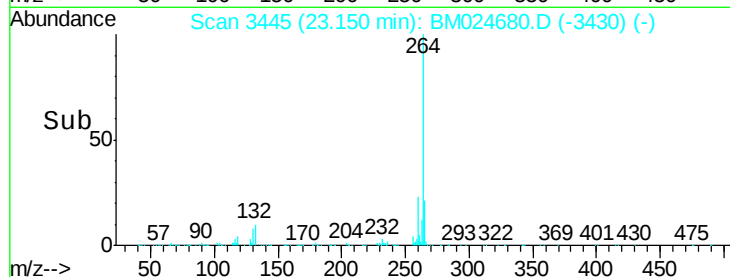


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

Time--> 23.00 23.10 23.20



#88

Benzo(b)fluoranthene

Concen: 51.660 ng

RT: 22.53 min Scan# 3340

Delta R.T. -0.01 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

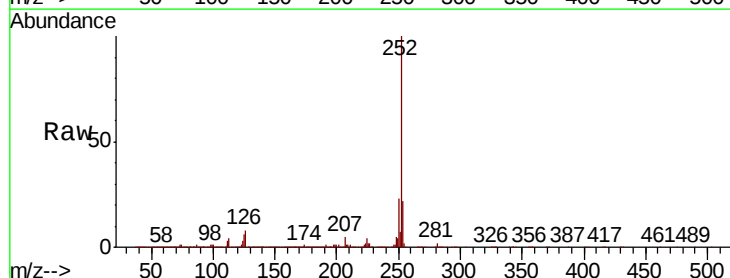
Tgt Ion:252 Resp: 4683535

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 6.2 5.7 8.5

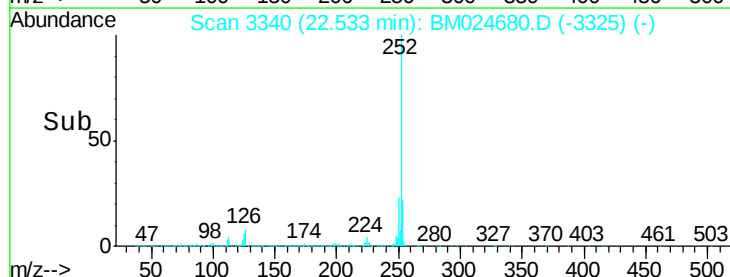


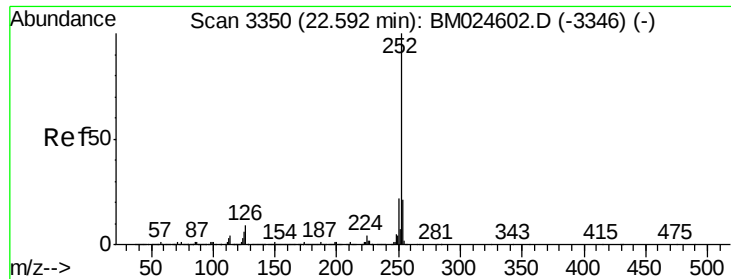
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time--> 22.45 22.50 22.55





#89

Benzo(k)fluoranthene

Concen: 48.176 ng

RT: 22.57 min Scan# 3347

Delta R.T. -0.02 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Instrument :

BNA_M

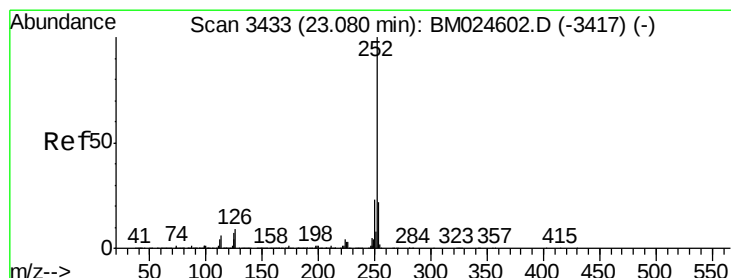
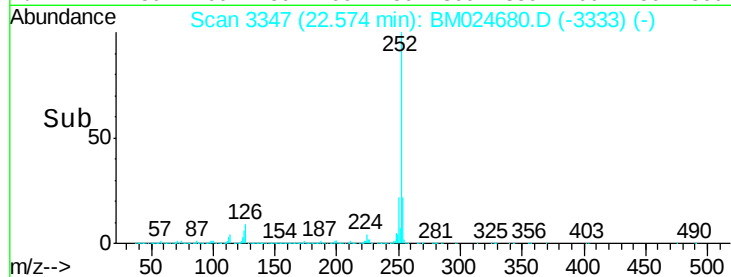
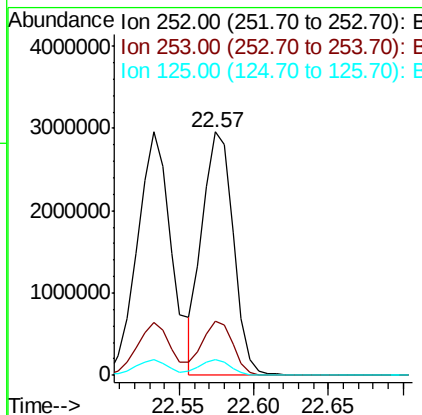
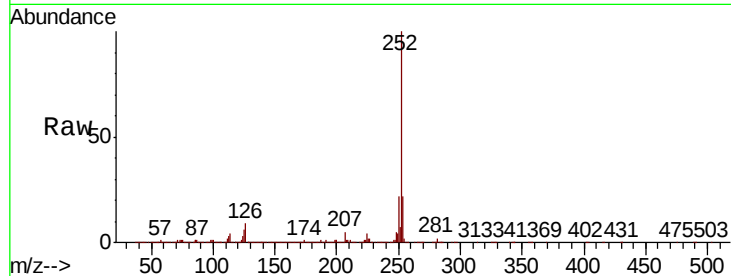
ClientSampleId :

PB126499BS

Tot Ion:	252	Resp:	4263291
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.3	25.9
125	6.4	5.2	7.8

Manual Integrations
APPROVED

mohammad
2/3/2020 4:11:10 PM



#90

Benzo(a)pyrene

Concen: 49.243 ng

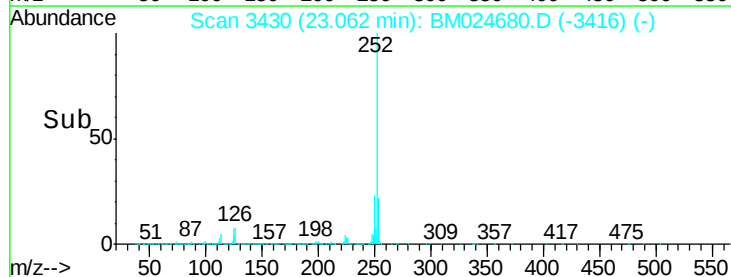
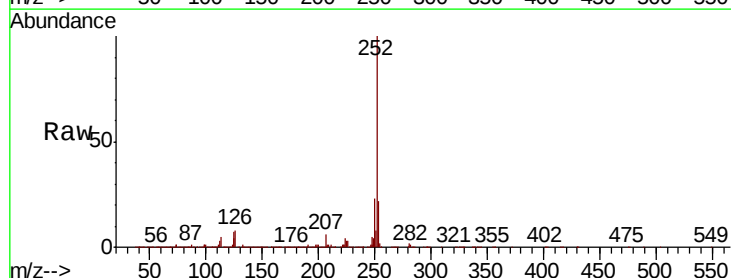
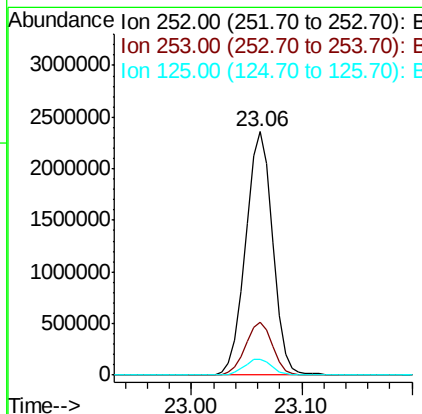
RT: 23.06 min Scan# 3430

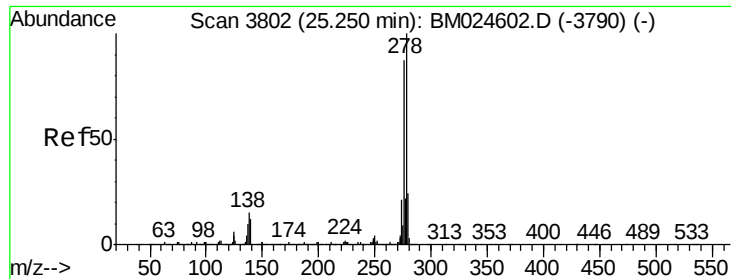
Delta R.T. -0.02 min

Lab File: BM024680.D

Acq: 31 Jan 2020 17:59

Tgt Ion:	252	Resp:	4058960
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	6.6	5.8	8.8





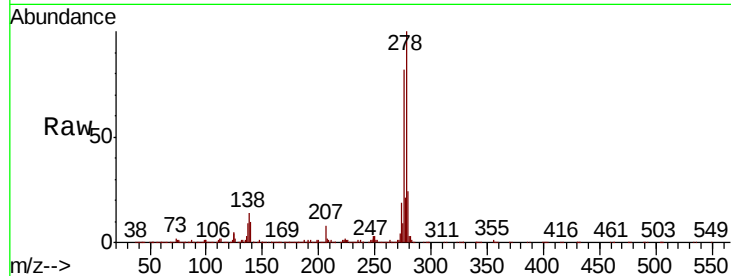
#91
Dibenzo(a,h)anthracene
Concen: 55.654 ng
RT: 25.23 min Scan# 3799
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Instrument :
BNA_M
ClientSampleId :
PB126499BS

Tot Ion	Ratio	Lower	Upper
278	100		
139	10.5	9.3	13.9
279	23.9	18.9	28.3

Manual Integrations
APPROVED

mohammad
2/3/2020 4:11:10 PM

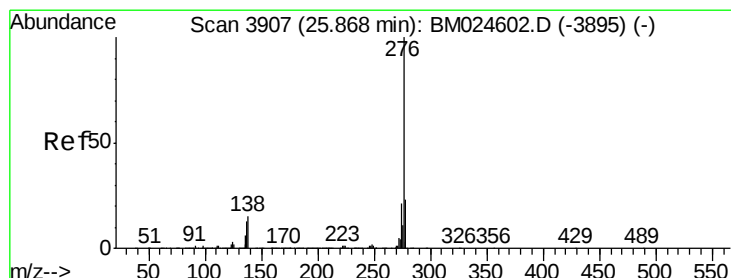
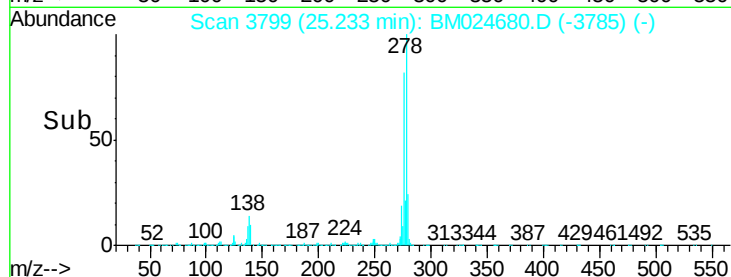
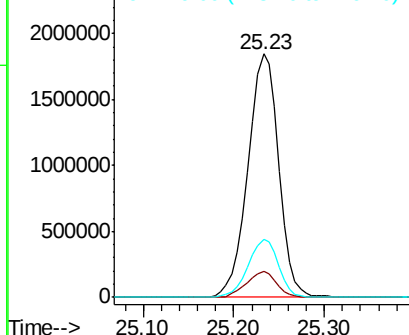


Abundance

Ion 278.00 (277.70 to 278.70): E

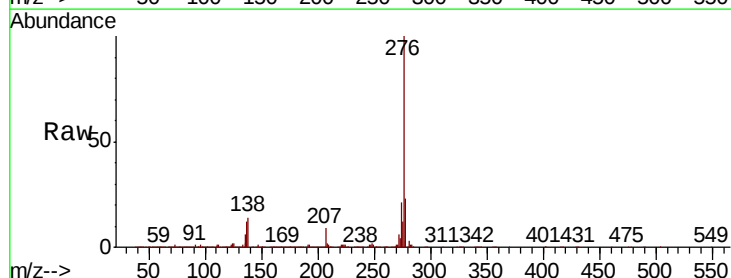
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 60.453 ng
RT: 25.85 min Scan# 3904
Delta R.T. -0.02 min
Lab File: BM024680.D
Acq: 31 Jan 2020 17:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	28.0
138	13.5	11.9	17.9



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

