

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
 Data File : BM024647.D
 Acq On : 29 Jan 2020 13:17
 Operator : CG/JU
 Sample : L1008-21MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-012420MSD

Manual Integrations
 APPROVED

mohammad
 1/30/2020 10:18:49 AM

Quant Time: Jan 30 03:20:55 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	7.44	152	301716	20.00	ng	0.00
21) Naphthalene-d8	10.20	136	1168385	20.00	ng	0.00
39) Acenaphthene-d10	14.09	164	827948	20.00	ng	0.00
64) Phenanthrene-d10	16.84	188	1863431	20.00	ng	0.00
76) Chrysene-d12	21.05	240	1689227	20.00	ng	0.00
87) Perylene-d12	23.16	264	1585424	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	1636250	103.14	ng	0.00
7) Phenol-d6	6.65	99	1836622	84.04	ng	0.00
23) Nitrobenzene-d5	8.58	82	1473044	61.83	ng	0.00
42) 2,4,6-Tribromophenol	15.59	330	1480594	109.94	ng	0.00
45) 2-Fluorobiphenyl	12.70	172	4283096	70.33	ng	0.00
79) Terphenyl-d14	19.50	244	7636165	84.39	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.09	88	174636	27.827	ng	# 49
3) Pyridine	3.47	79	220604	12.126	ng	94
4) n-Nitrosodimethylamine	3.37	42	214452	26.556	ng	88
6) Aniline	6.79	93	450177	16.920	ng	95
8) 2-Chlorophenol	7.02	128	687918	38.090	ng	92
9) Benzaldehyde	6.59	77	262198	20.304	ng	92
10) Phenol	6.67	94	678535	31.146	ng	95
11) bis(2-Chloroethyl)ether	6.89	93	575172	32.979	ng	96
12) 1,3-Dichlorobenzene	7.33	146	725029	32.678	ng	97
13) 1,4-Dichlorobenzene	7.47	146	745028	33.099	ng	95
14) 1,2-Dichlorobenzene	7.79	146	719625	33.121	ng	98
15) Benzyl Alcohol	7.69	79	578265	32.091	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.99	45	425532	26.652	ng	96
17) 2-Methylphenol	7.90	107	534663	34.826	ng	96
18) Hexachloroethane	8.50	117	256538	29.515	ng	93
19) n-Nitroso-di-n-propylamine	8.25	70	474756	28.932	ng	94
20) 3+4-Methylphenols	8.22	107	717031	33.740	ng	97
22) Acetophenone	8.26	105	964408	32.011	ng	96
24) Nitrobenzene	8.62	77	729722	31.962	ng	93
25) Isophorone	9.15	82	1339346	33.086	ng	96
26) 2-Nitrophenol	9.33	139	398989	37.741	ng	90
27) 2,4-Dimethylphenol	9.41	122	634495	44.167	ng	92
28) bis(2-Chloroethoxy)methane	9.64	93	814177	32.924	ng	99
29) 2,4-Dichlorophenol	9.86	162	787223	40.560	ng	97
30) 1,2,4-Trichlorobenzene	10.07	180	847013	36.185	ng	99
31) Naphthalene	10.25	128	2072038	35.112	ng	99
32) Benzoic acid	9.57	122	371935m	28.302	ng	
33) 4-Chloroaniline	10.37	127	154414	5.970	ng	96
34) Hexachlorobutadiene	10.55	225	553655	34.215	ng	98
35) Caprolactam	11.15	113	148582m	23.861	ng	
36) 4-Chloro-3-methylphenol	11.51	107	716344	34.710	ng	91
37) 2-Methylnaphthalene	11.87	142	1675435	36.790	ng	99
38) 1-Methylnaphthalene	12.10	142	1577381	36.413	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.26	216	1037148	35.099	ng	100

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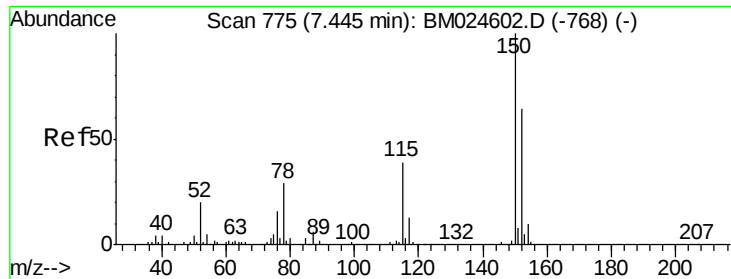
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.24	237	1258681	75.994	nq	99
43) 2,4,6-Trichlorophenol	12.50	196	712984	37.917	nq	100
44) 2,4,5-Trichlorophenol	12.57	196	757900	39.466	nq	97
46) 1,1'-Biphenyl	12.92	154	2218937	35.414	nq	99
47) 2-Chloronaphthalene	12.95	162	1791567	35.418	nq	96
48) 2-Nitroaniline	13.16	65	422947	27.415	nq	86
49) Acenaphthylene	13.80	152	2777707	36.682	nq	100
50) Dimethylphthalate	13.57	163	2564911	38.311	nq	100
51) 2,6-Dinitrotoluene	13.67	165	525586	36.925	nq #	84
52) Acenaphthene	14.16	154	1656244	35.248	nq	100
53) 3-Nitroaniline	14.00	138	279318	18.920	nq	92
54) 2,4-Dinitrophenol	14.21	184	574889	67.540	nq #	87
55) Dibenzofuran	14.49	168	2810201	36.671	nq	97
56) 4-Nitrophenol	14.33	139	739990	64.123	nq	88
57) 2,4-Dinitrotoluene	14.47	165	733188	35.941	nq #	85
58) Fluorene	15.14	166	2263263	35.144	nq	99
59) 2,3,4,6-Tetrachlorophenol	14.73	232	727173	37.339	nq	94
60) Diethylphthalate	14.95	149	2283417	33.595	nq	98
61) 4-Chlorophenyl-phenylether	15.15	204	1303632	35.111	nq	99
62) 4-Nitroaniline	15.17	138	470950	28.900	nq	93
63) Azobenzene	15.44	77	1769307	30.517	nq	94
65) 4,6-Dinitro-2-methylphenol	15.23	198	417742	38.127	nq	90
66) n-Nitrosodiphenylamine	15.37	169	2018593	37.712	nq	99
67) 4-Bromophenyl-phenylether	16.04	248	862895	37.237	nq	98
68) Hexachlorobenzene	16.16	284	1008978	37.942	nq	98
69) Atrazine	16.34	200	798867	38.881	nq	99
70) Pentachlorophenol	16.50	266	1243541	76.771	nq	99
71) Phenanthrene	16.89	178	3658126	36.252	nq	100
72) Anthracene	16.97	178	3729835	37.776	nq	100
73) Carbazole	17.24	167	3218027	35.802	nq	99
74) Di-n-butylphthalate	17.84	149	3923432	34.144	nq	99
75) Fluoranthene	18.91	202	4442053	35.270	nq	99
77) Benzidine	19.10	184	1353269	34.399	nq	99
78) Pyrene	19.27	202	4487658	40.299	nq	100
80) Butylbenzylphthalate	20.21	149	1691225	36.193	nq	94
81) Benzo(a)anthracene	21.03	228	4261046	36.344	nq	99
82) 3,3'-Dichlorobenzidine	20.97	252	966424	22.915	nq	99
83) Chrysene	21.09	228	4045276	36.159	nq	99
84) Bis(2-ethylhexyl)phthalate	21.01	149	2421871	35.126	nq #	96
85) Di-n-octyl phthalate	21.86	149	3829035	33.614	nq #	96
86) Indeno(1,2,3-cd)pyrene	25.23	276	3940486	32.316	nq	99
88) Benzo(b)fluoranthene	22.54	252	3980113	38.707	nq	99
89) Benzo(k)fluoranthene	22.59	252	3750064	37.363	nq	100
90) Benzo(a)pyrene	23.07	252	3400153	36.370	nq	100
91) Dibenzo(a,h)anthracene	25.24	278	3342637	37.671	nq	99
92) Benzo(g,h,i)perylene	25.86	276	3264814	40.521	nq	99

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



#1

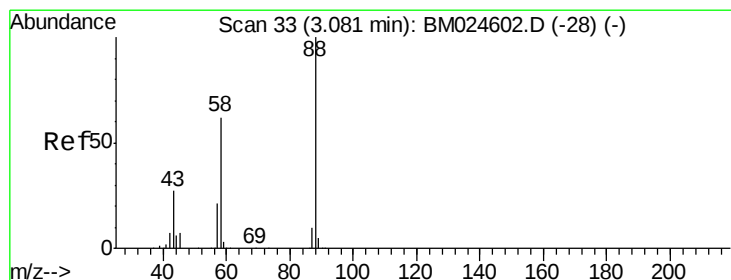
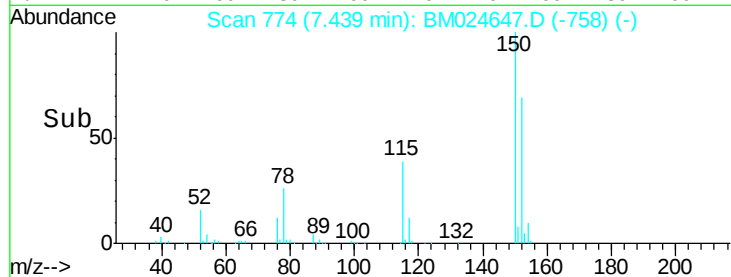
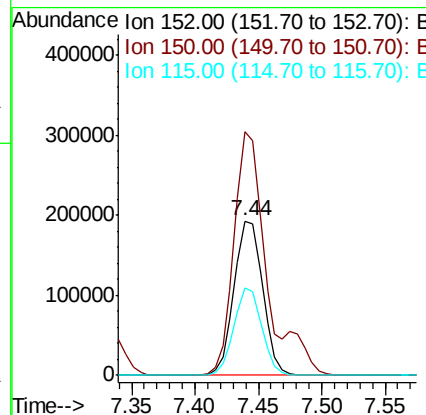
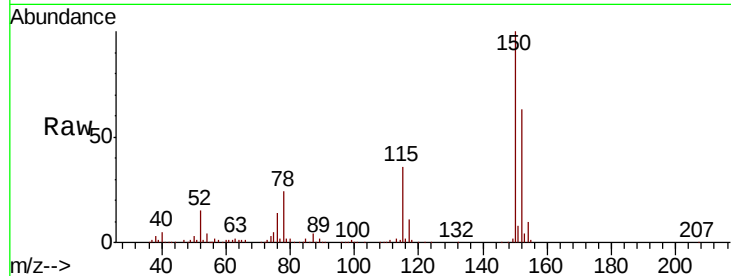
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.44 min Scan# 774
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Instrument :
BNA_M
ClientSampleId :
CL-02-012420MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.2	186.4
115	56.5	48.6	72.8

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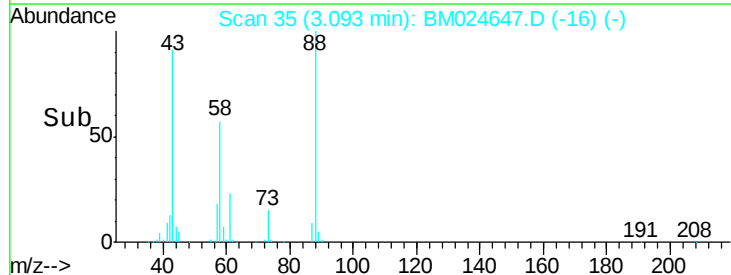
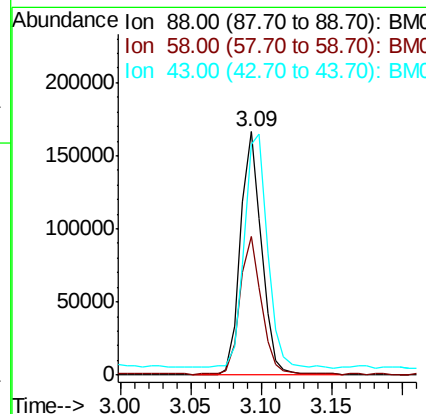
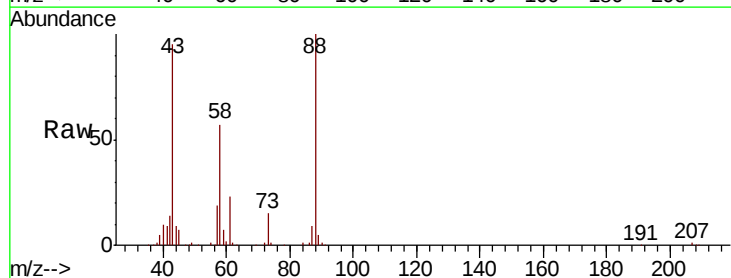
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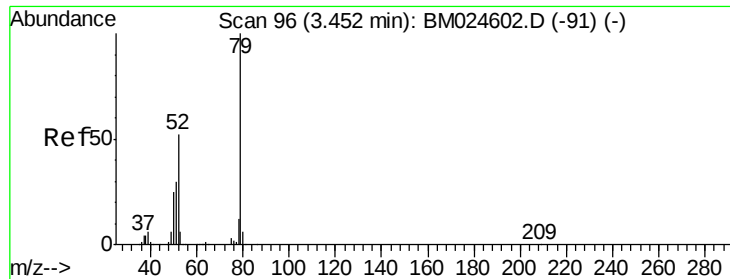


#2

1,4-Dioxane
Concen: 27.827 ng
RT: 3.09 min Scan# 35
Delta R.T. 0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
88	100		
58	56.8	50.0	75.0
43	105.0	21.6	32.4





#3

Pvridine

Concen: 12.126 ng

RT: 3.47 min Scan# 99

Delta R.T. 0.02 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

Instrument :

BNA_M

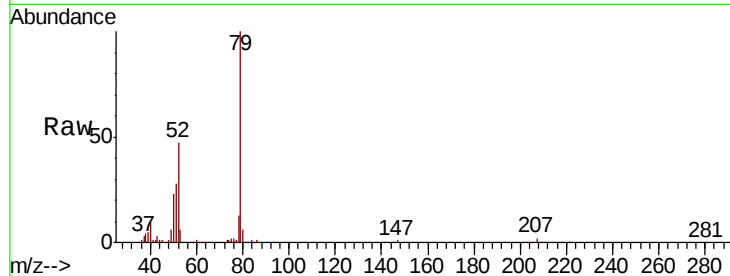
ClientSampleId :

CL-02-012420MSD

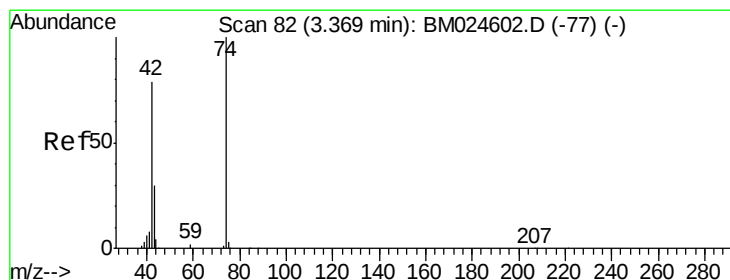
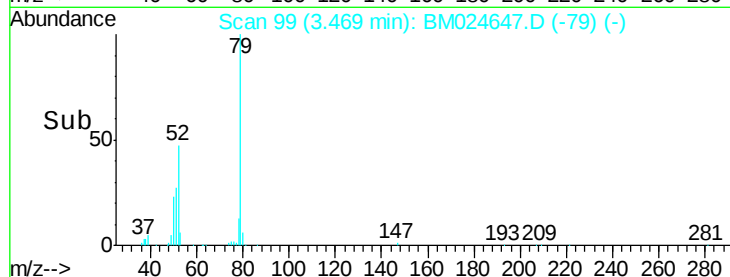
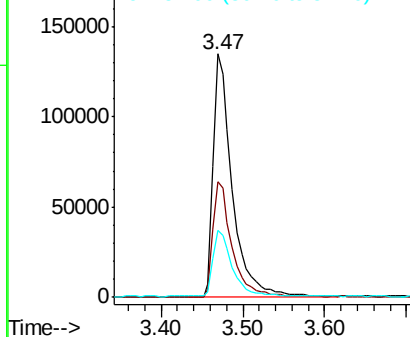
Tot Ion:	79	Resp:	220604
Ion Ratio	Lower	Upper	
79	100		
52	47.2	41.4	62.2
51	27.5	23.8	35.8

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Abundance Ion 79.00 (78.70 to 79.70): BM0
Ion 52.00 (51.70 to 52.70): BM0
Ion 51.00 (50.70 to 51.70): BM0



#4

n-Nitrosodimethylamine

Concen: 26.556 ng

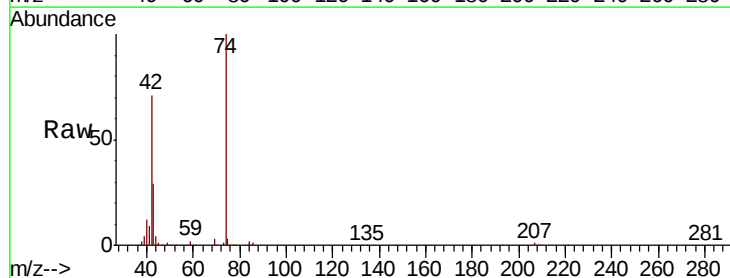
RT: 3.37 min Scan# 83

Delta R.T. 0.01 min

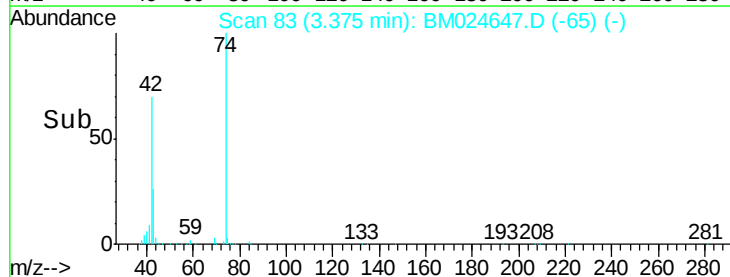
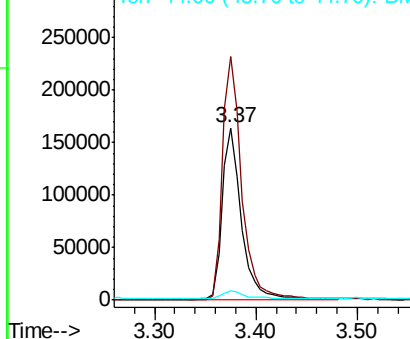
Lab File: BM024647.D

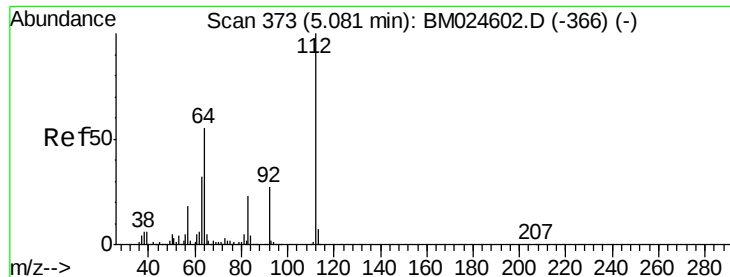
Acq: 29 Jan 2020 13:17

Tgt Ion:	42	Resp:	214452
Ion Ratio	Lower	Upper	
42	100		
74	141.2	101.4	152.2
44	5.7	4.6	6.8



Abundance Ion 42.00 (41.70 to 42.70): BM0
Ion 74.00 (73.70 to 74.70): BM0
Ion 44.00 (43.70 to 44.70): BM0





#5

2-Fluorophenol

Concen: 103.135 ng

RT: 5.09 min Scan# 374

Delta R.T. 0.01 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

Instrument :

BNA_M

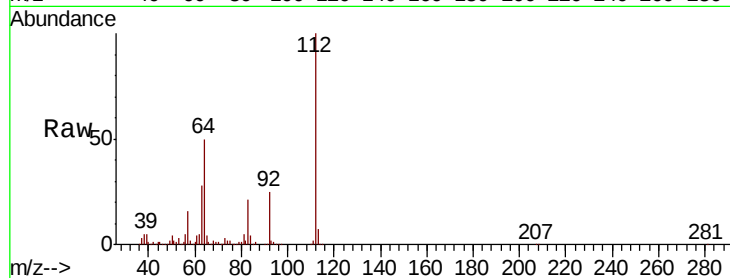
ClientSampleId :

CL-02-012420MSD

Tot Ion:	112	Resp:	1636250
Ion	Ratio	Lower	Upper
112	100		
64	50.1	44.2	66.4
63	28.5	25.9	38.9

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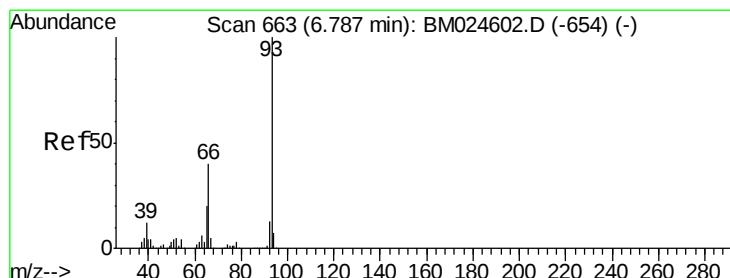
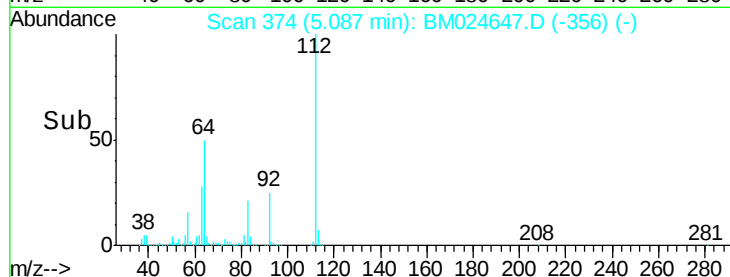
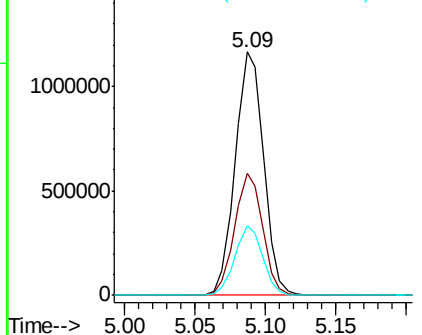
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 16.920 ng

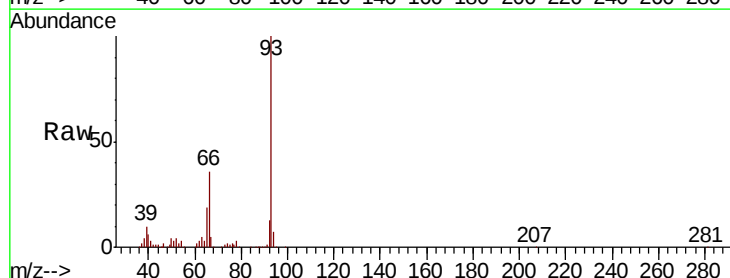
RT: 6.79 min Scan# 663

Delta R.T. -0.00 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

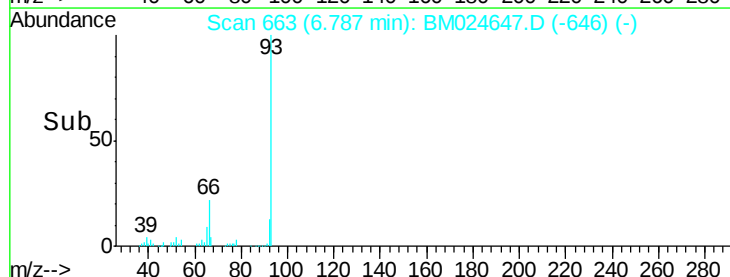
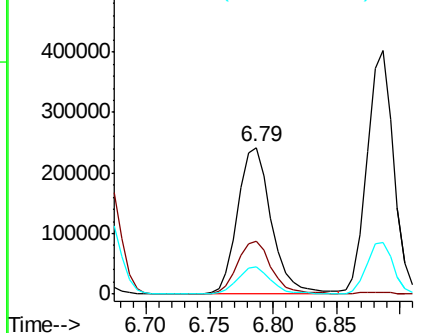
Tgt Ion:	93	Resp:	450177
Ion	Ratio	Lower	Upper
93	100		
66	35.6	31.8	47.8
65	18.6	15.8	23.6

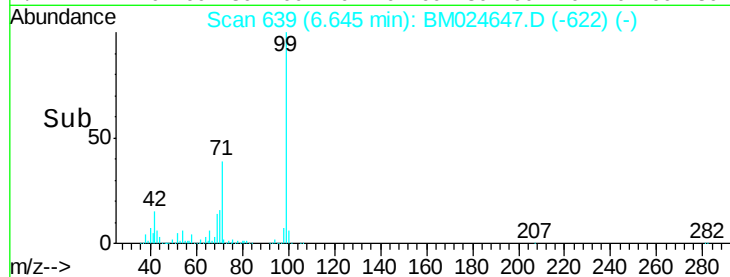
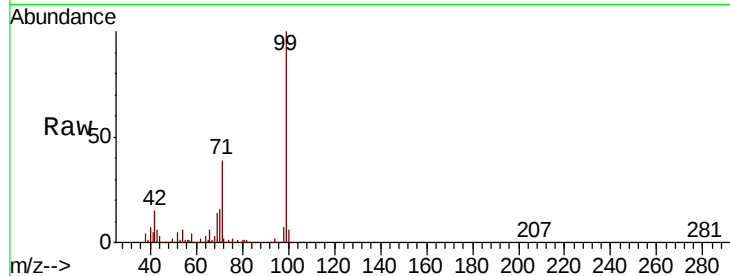
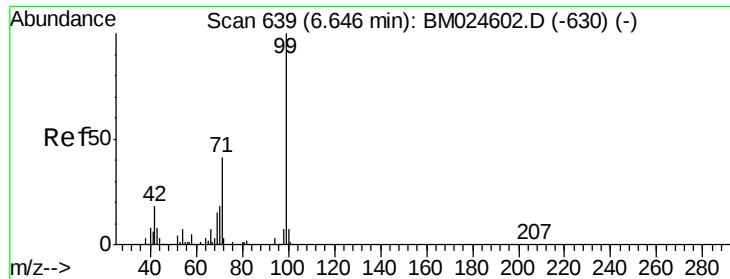


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 84.036 ng

RT: 6.65 min Scan# 639

Delta R.T. -0.00 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

Tot Ion:	99	Resp:	1836622
Ion	Ratio	Lower	Upper
99	100		
42	15.2	14.1	21.1
71	38.9	33.0	49.6

Instrument :

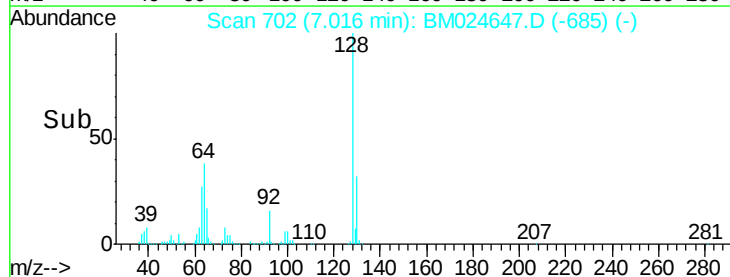
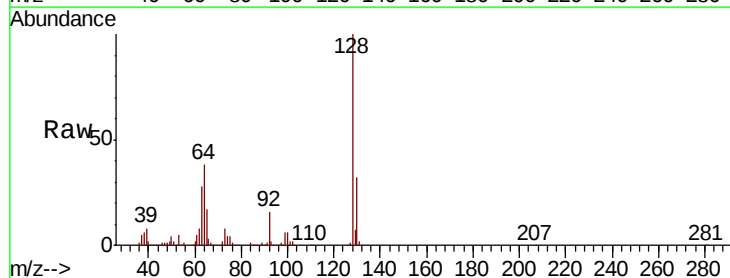
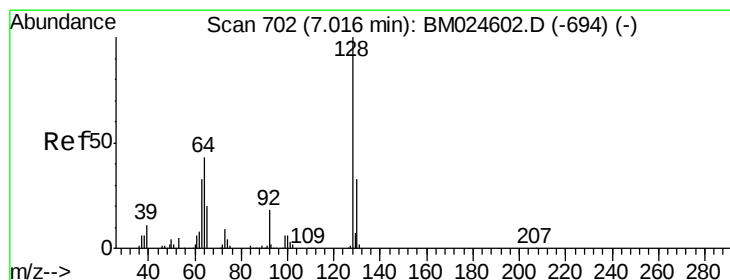
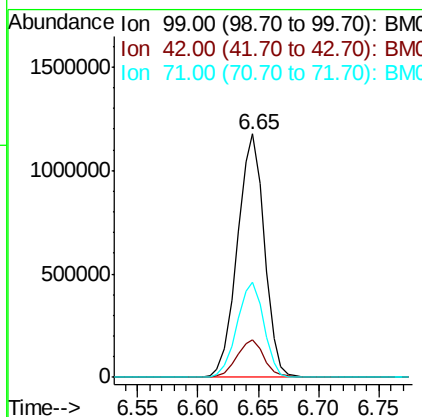
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ClientSampleId :

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#8

2-Chlorophenol

Concen: 38.090 ng

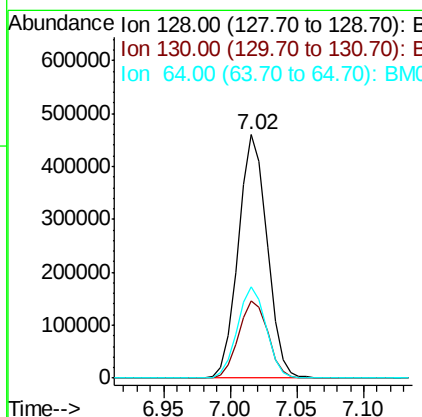
RT: 7.02 min Scan# 702

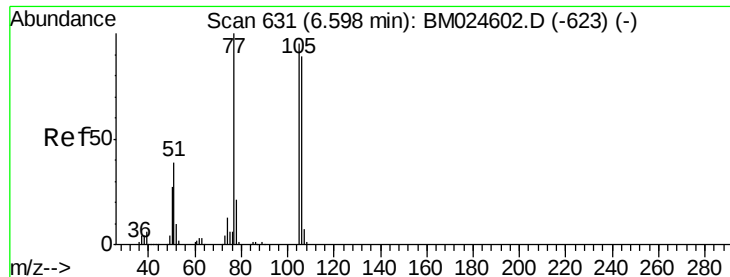
Delta R.T. -0.00 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

Tgt Ion:	128	Resp:	687918
Ion	Ratio	Lower	Upper
128	100		
130	31.6	12.5	52.5
64	37.8	26.1	66.1





#9

Benzaldehyde

Concen: 20.304 ng

RT: 6.59 min Scan# 630

Delta R.T. -0.01 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

Instrument :

BNA_M

ClientSampleId :

CL-02-012420MSD

Tot Ion: 77 Resp: 262198

Ion Ratio Lower Upper

77 100

105 102.2 75.2 115.2

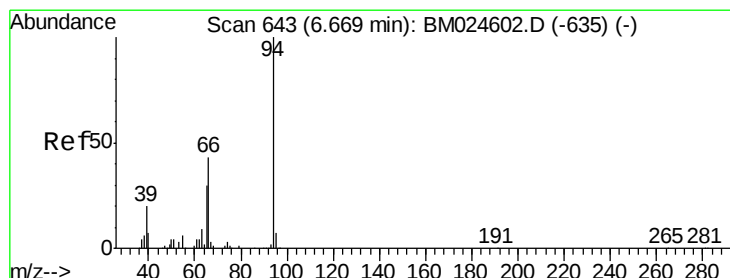
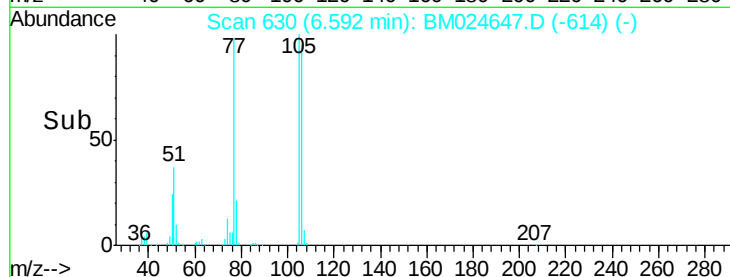
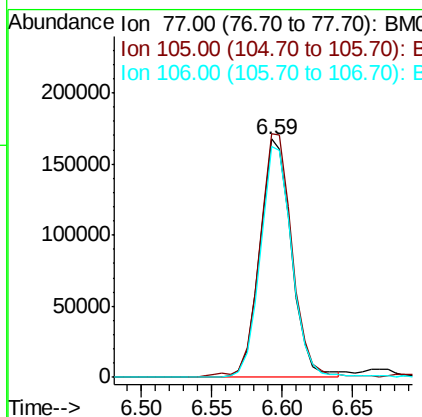
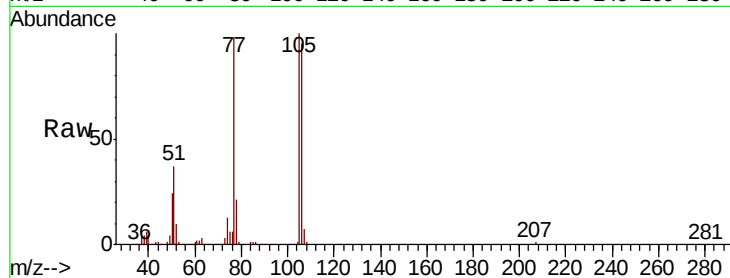
106 97.0 68.6 108.6

Manual Integrations

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#10

Phenol

Concen: 31.146 ng

RT: 6.67 min Scan# 643

Delta R.T. -0.00 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

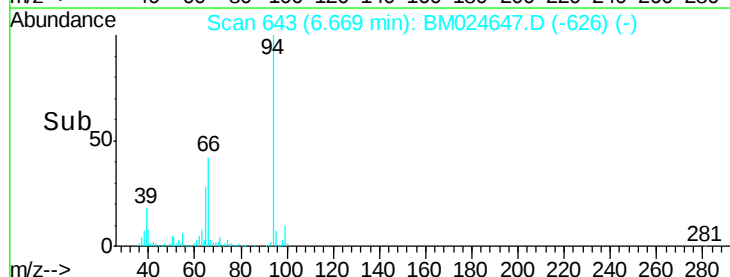
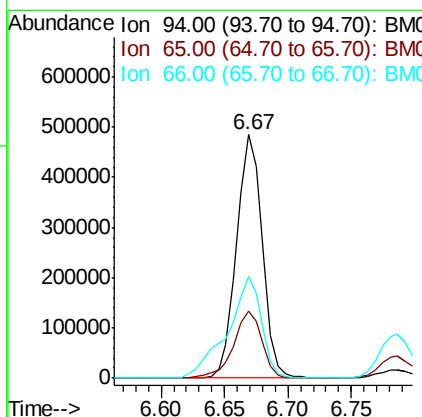
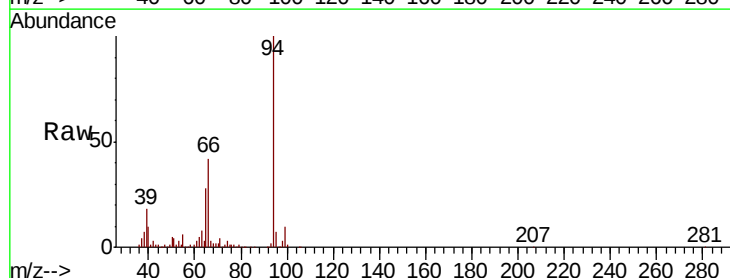
Tgt Ion: 94 Resp: 678535

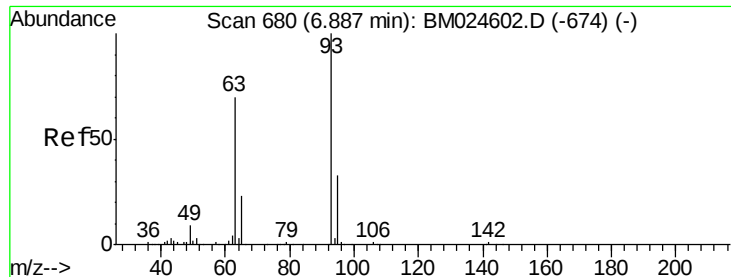
Ion Ratio Lower Upper

94 100

65 27.5 10.3 50.3

66 41.8 24.8 64.8





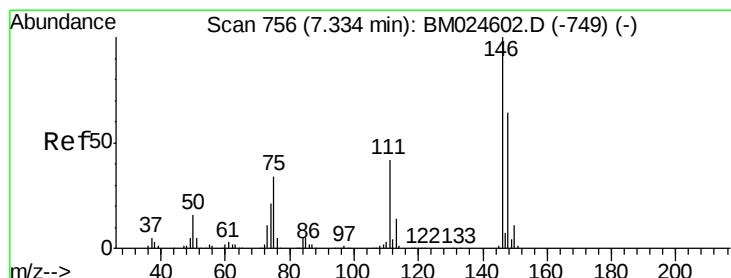
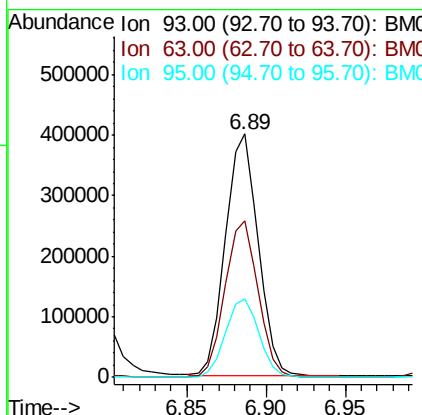
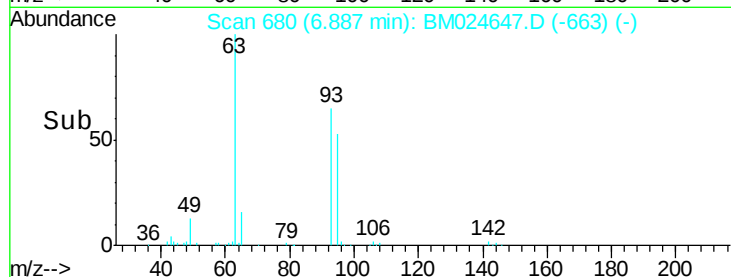
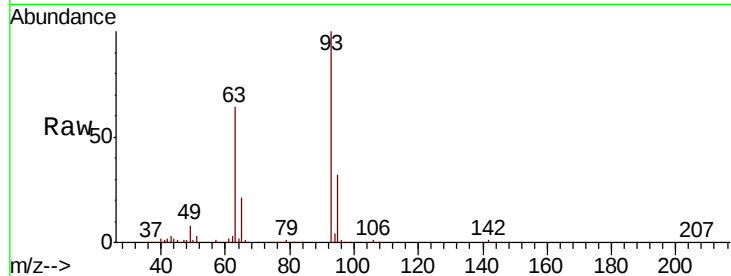
#11
bis(2-Chloroethyl)ether
Concen: 32.979 ng
RT: 6.89 min Scan# 680
Delta R.T. -0.00 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Instrument :
BNA_M
ClientSampleId :
CL-02-012420MSD

Tot Ion	93	Resp	575172
Ion	Ratio	Lower	Upper
93	100		
63	64.4	49.6	89.6
95	32.4	12.6	52.6

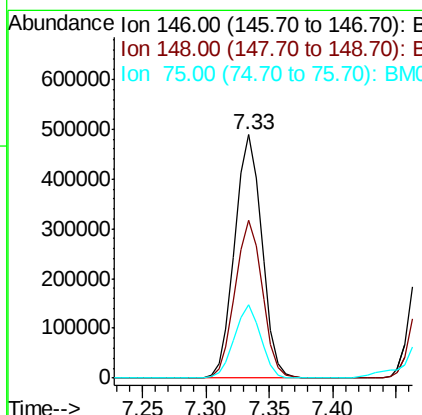
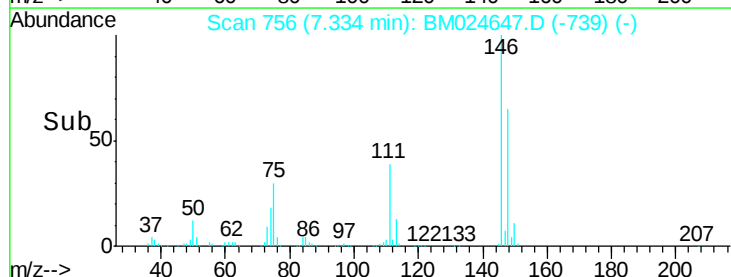
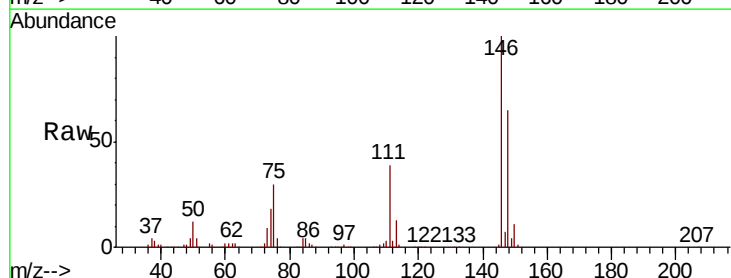
Manual Integrations
APPROVED

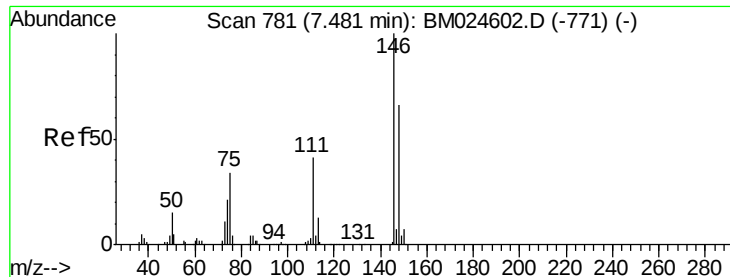
mohammad
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#12
1,3-Dichlorobenzene
Concen: 32.678 ng
RT: 7.33 min Scan# 756
Delta R.T. -0.00 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Tgt Ion	146	Resp	725029
Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.0	76.6
75	30.3	27.0	40.4





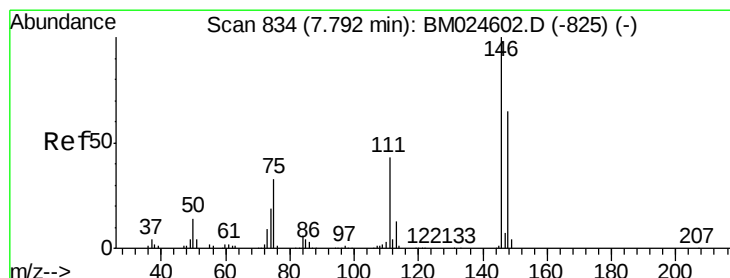
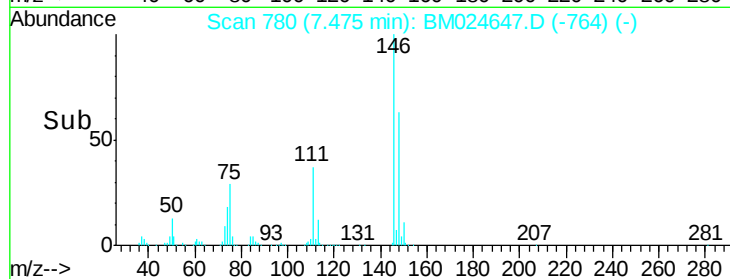
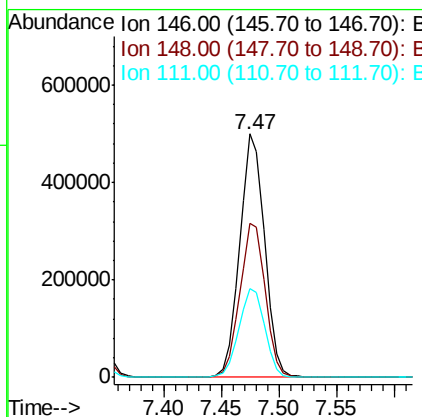
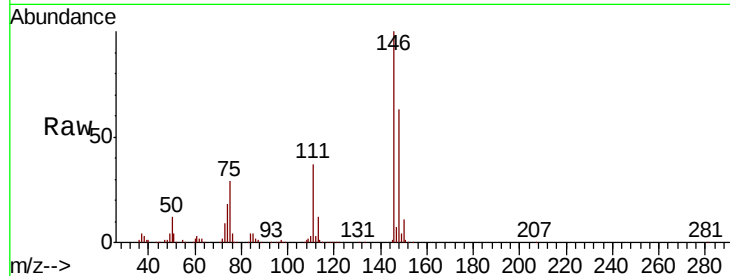
#13
 1,4-Dichlorobenzene
 Concen: 33.099 ng
 RT: 7.47 min Scan# 780
 Delta R.T. -0.01 min
 Lab File: BM024647.D
 Acq: 29 Jan 2020 13:17

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-012420MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.2	52.5	78.7
111	36.7	33.0	49.4

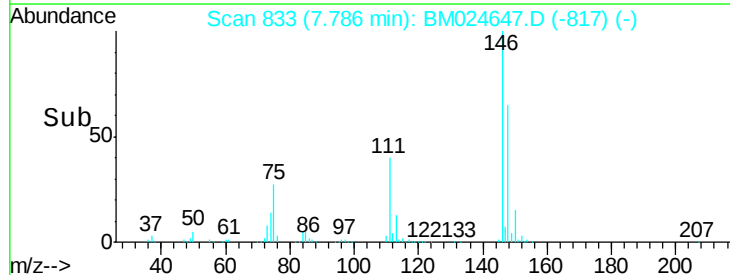
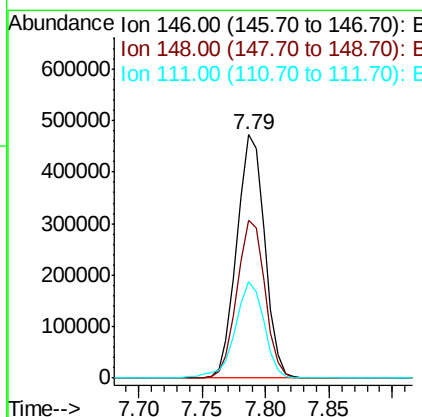
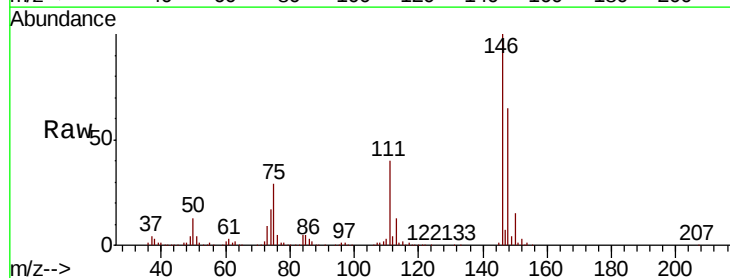
Manual Integrations
 APPROVED

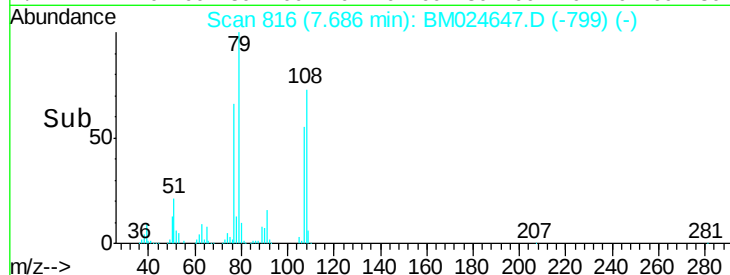
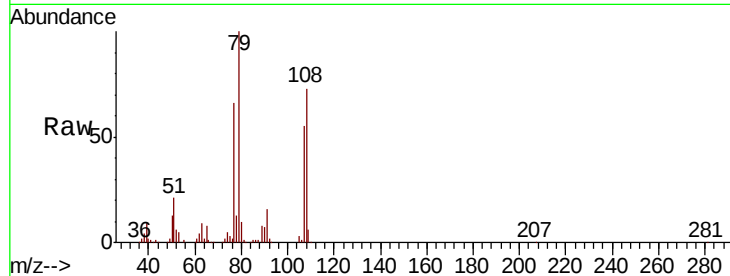
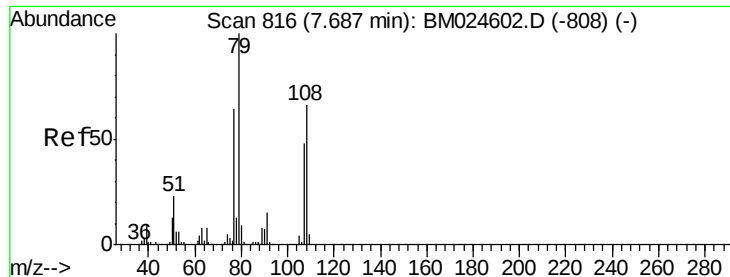
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#14
 1,2-Dichlorobenzene
 Concen: 33.121 ng
 RT: 7.79 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BM024647.D
 Acq: 29 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.9	77.9
111	39.8	34.5	51.7





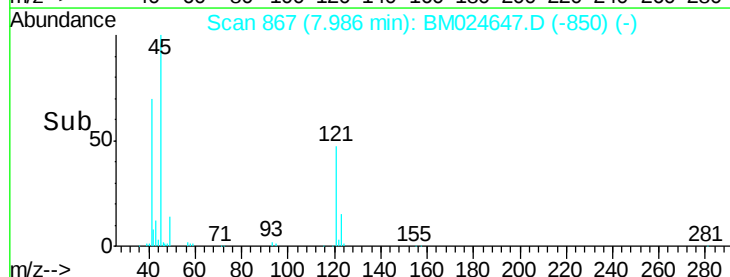
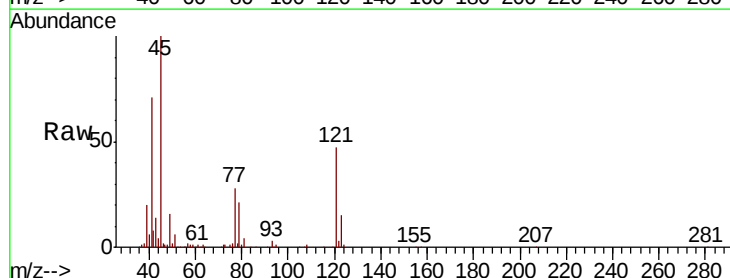
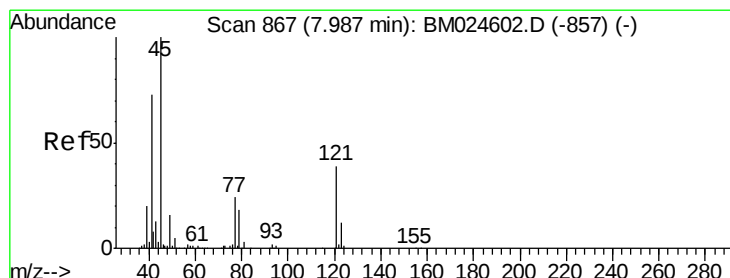
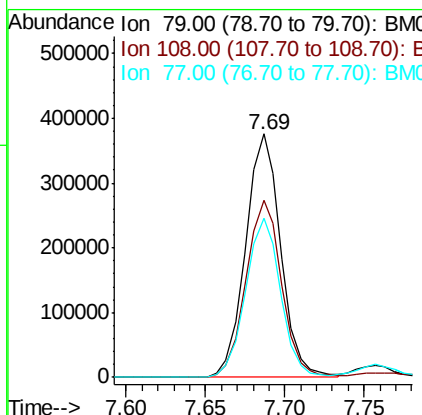
#15
Benzyl Alcohol
Concen: 32.091 ng
RT: 7.69 min Scan# 816
Delta R.T. -0.00 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Tot Ion	Ratio	Lower	Upper
79	100		
108	72.8	53.0	79.4
77	65.6	50.8	76.2

Instrument :
BNA_M
ClientSampleId :
CL-02-012420MSD

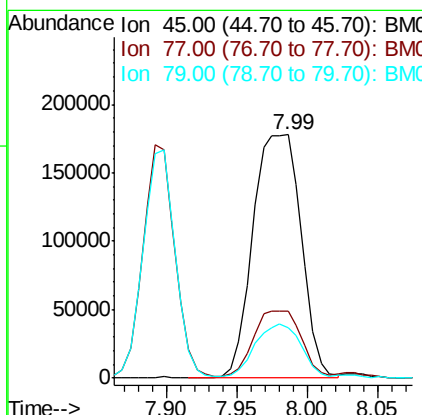
Manual Integrations
APPROVED

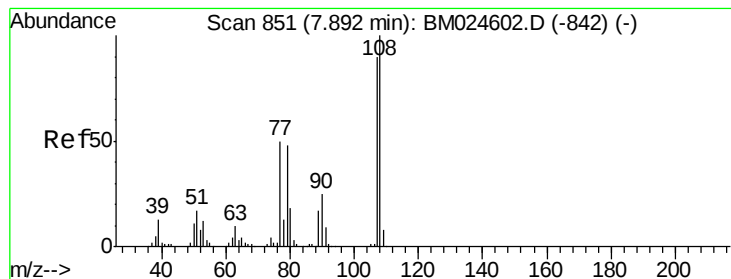
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 26.652 ng
RT: 7.99 min Scan# 867
Delta R.T. -0.00 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
45	100		
77	27.6	5.2	45.2
79	20.8	0.0	39.4





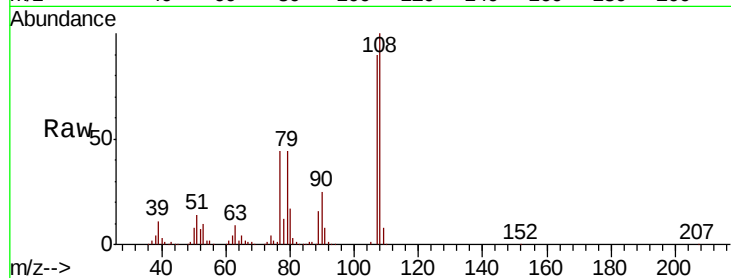
#17
2-Methylphenol
Concen: 34.826 ng
RT: 7.90 min Scan# 852
Delta R.T. 0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Instrument :
BNA_M
ClientSampleId :
CL-02-012420MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	110.7	88.9	133.3	
77	48.8	44.5	66.7	
79	48.9	42.9	64.3	

Manual Integrations
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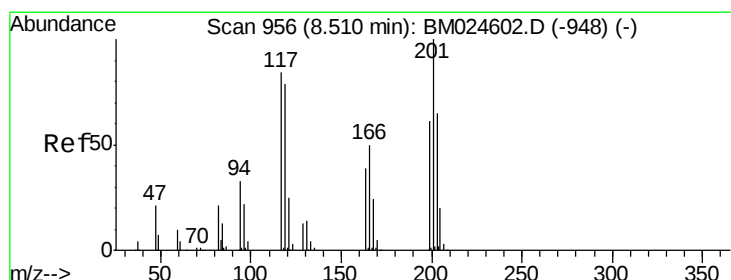
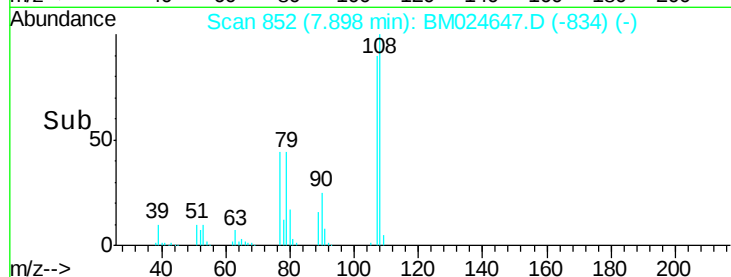
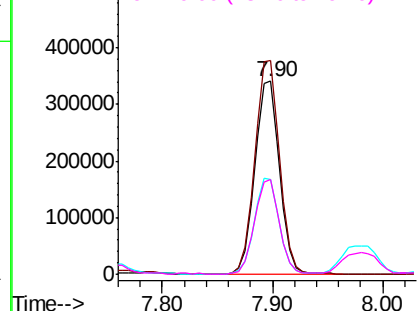
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

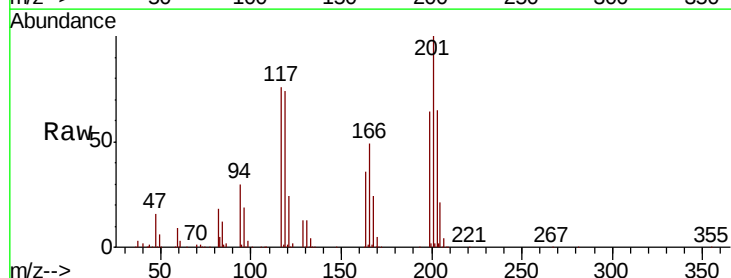
Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0



#18
Hexachloroethane
Concen: 29.515 ng
RT: 8.50 min Scan# 955
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.2	75.4	113.2	
201	131.7	95.8	143.6	

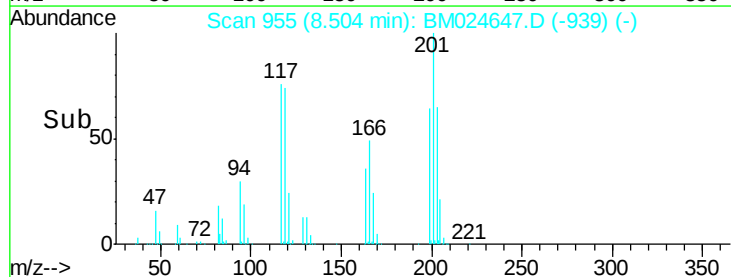
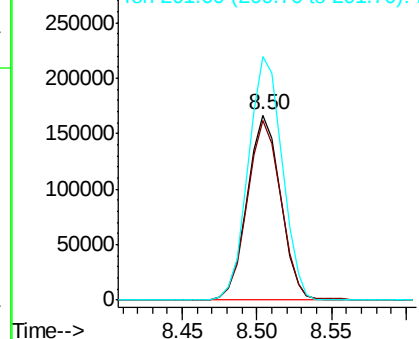


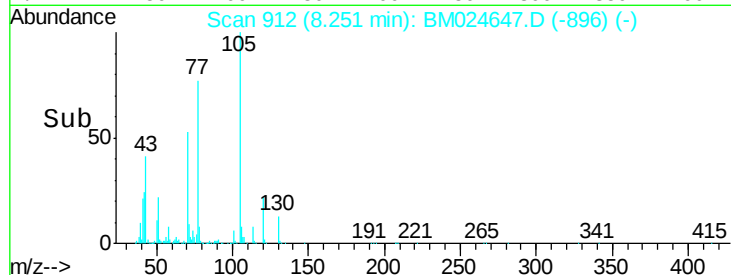
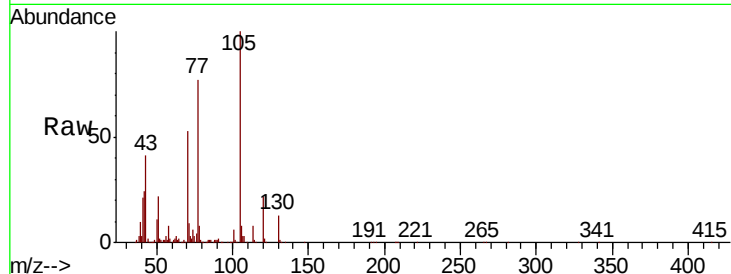
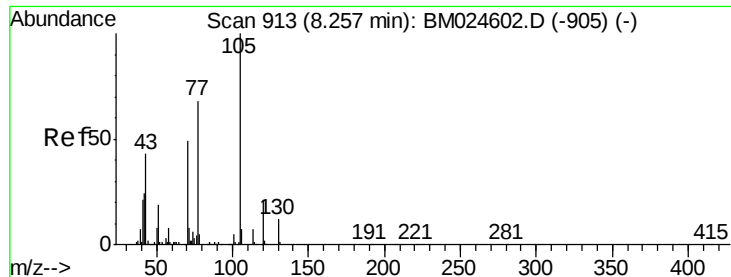
Abundance

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





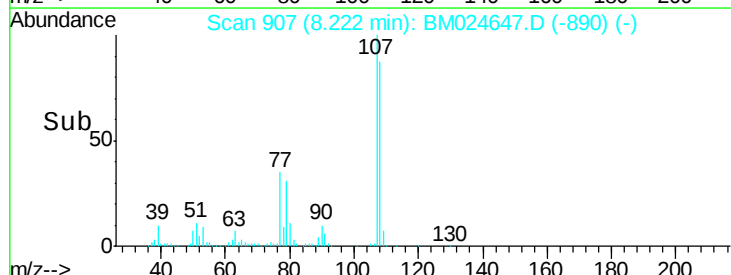
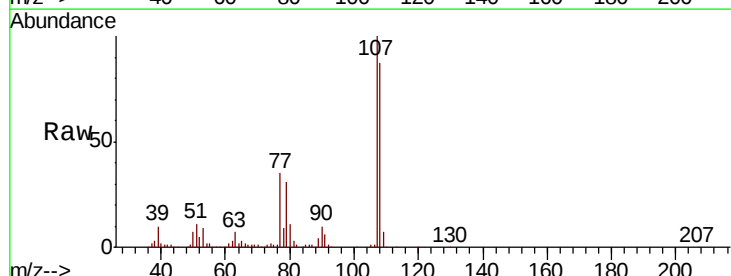
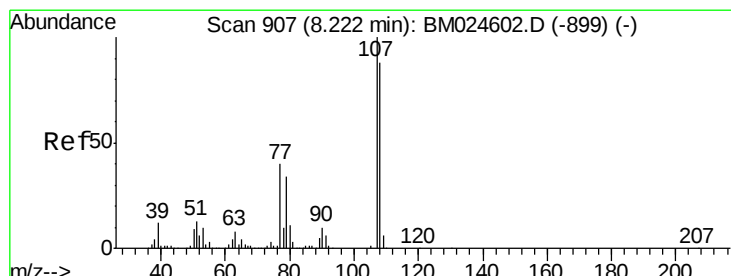
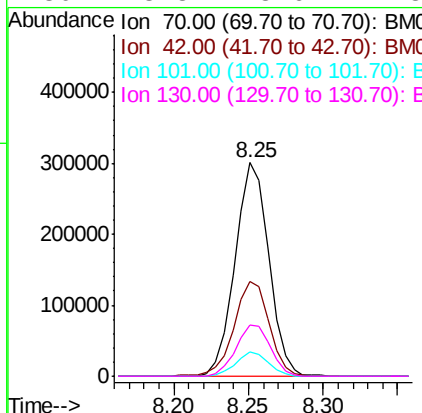
#19
n-Nitroso-di-n-propylamine
Concen: 28.932 ng
RT: 8.25 min Scan# 912
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Instrument :
BNA_M
ClientSampleId :
CL-02-012420MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	44.4	40.0	60.0	
101	11.2	8.2	12.2	
130	23.8	18.6	27.8	

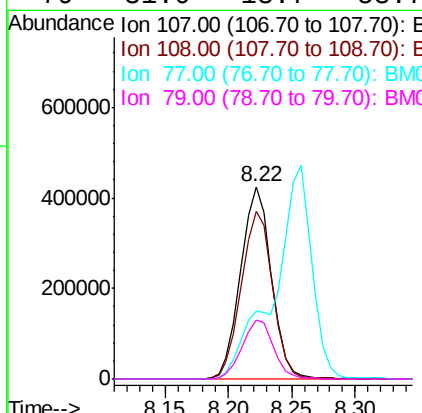
Manual Integrations
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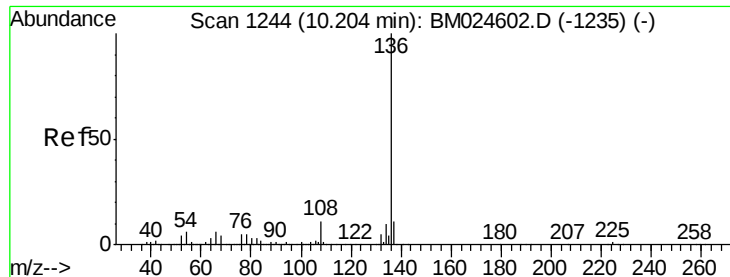
mohammad
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#20
3+4-Methylphenols
Concen: 33.740 ng
RT: 8.22 min Scan# 907
Delta R.T. -0.00 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	87.3	68.0	108.0	
77	35.2	19.9	59.9	
79	31.0	13.7	53.7	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.20 min Scan# 1243

Delta R.T. -0.01 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

Instrument :

BNA_M

ClientSampleId :

CL-02-012420MSD

Tot Ion:136 Resp: 1168385

Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

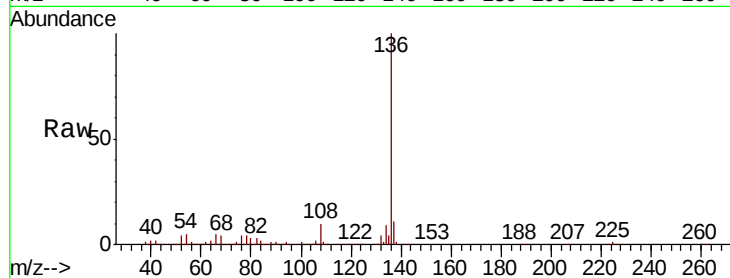
54 4.6 4.5 6.7

68 4.1 3.4 5.0

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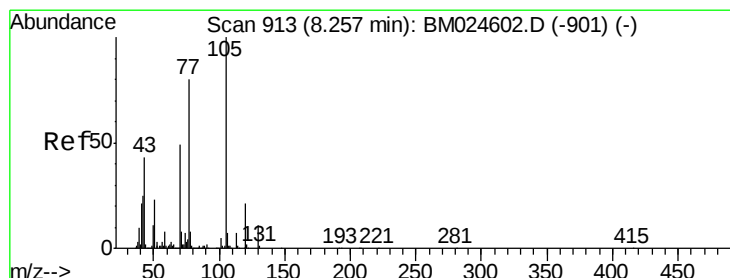
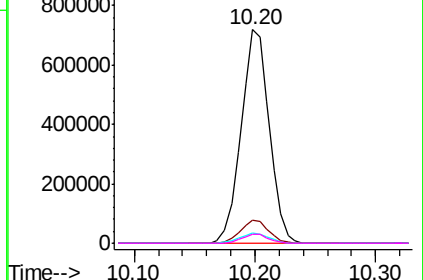
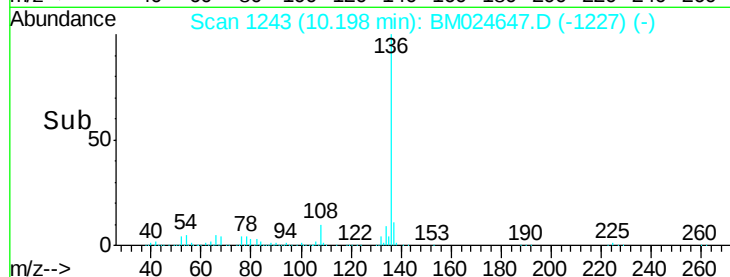


Abundance Ion 136.00 (135.70 to 136.70): E

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: 32.011 ng

RT: 8.26 min Scan# 913

Delta R.T. -0.00 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

Tgt Ion:105 Resp: 964408

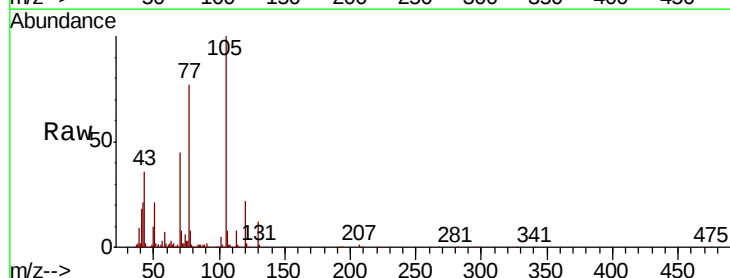
Ion Ratio Lower Upper

105 100

71 7.5 6.7 10.1

51 20.5 18.5 27.7

120 21.9 16.6 25.0

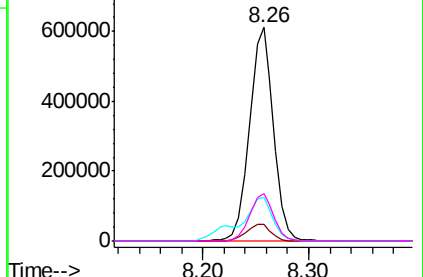
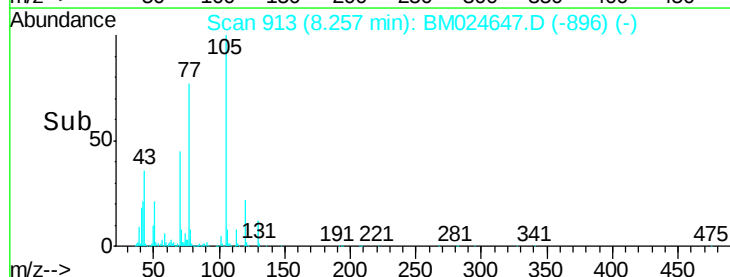


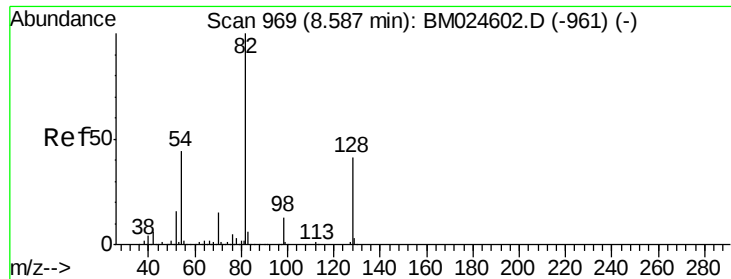
Abundance Ion 105.00 (104.70 to 105.70): E

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





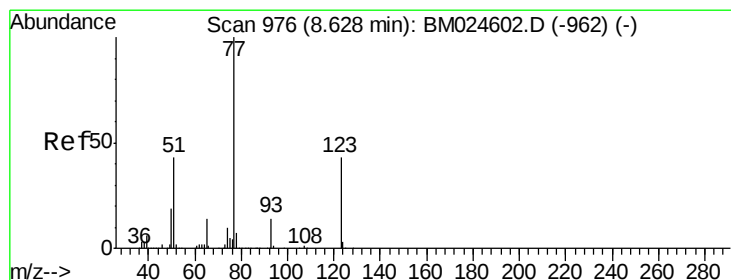
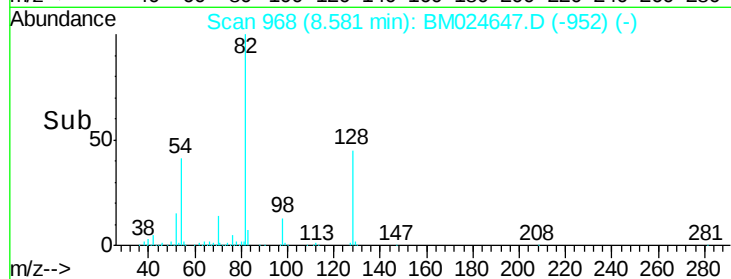
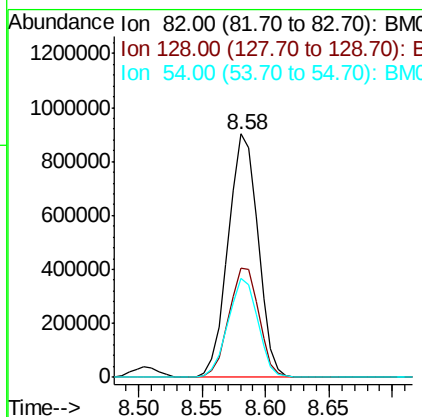
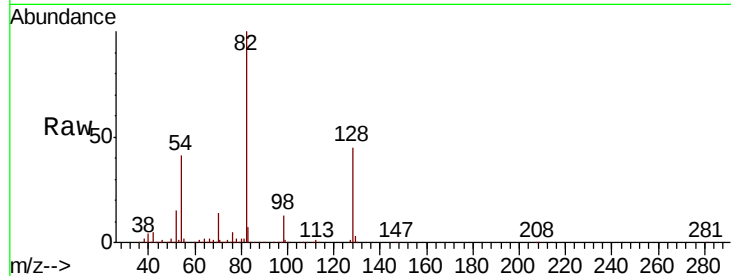
#23
 Nitrobenzene-d5
 Concen: 61.829 ng
 RT: 8.58 min Scan# 968
 Delta R.T. -0.01 min
 Lab File: BM024647.D
 Acq: 29 Jan 2020 13:17

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-012420MSD

Tot Ion	82	Resp	1473044
Ion	Ratio	Lower	Upper
82	100		
128	44.6	32.6	48.8
54	40.7	34.8	52.2

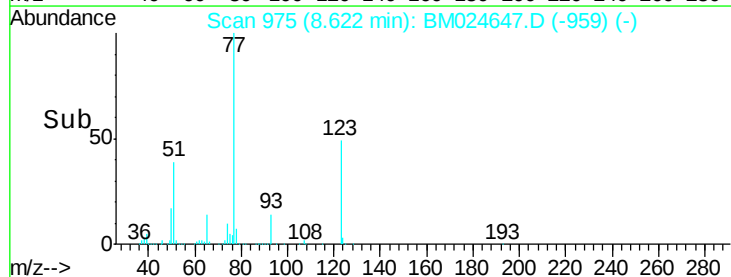
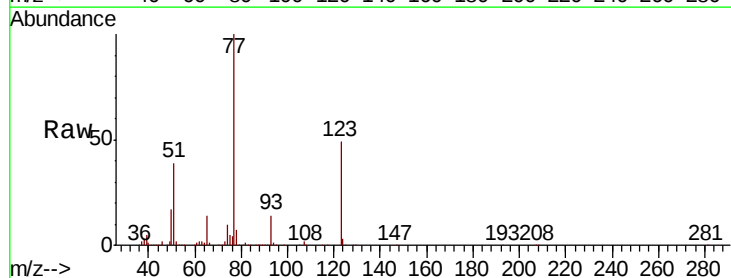
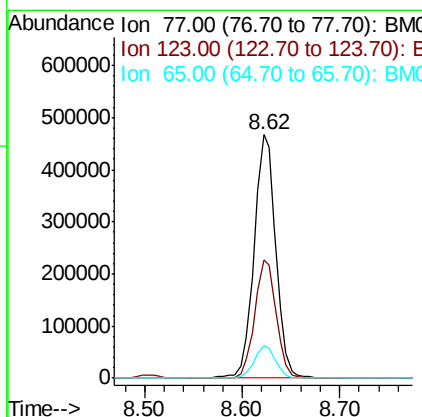
Manual Integrations
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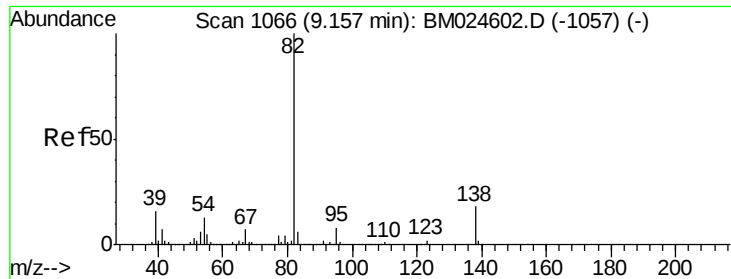
mohammad
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#24
 Nitrobenzene
 Concen: 31.962 ng
 RT: 8.62 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: BM024647.D
 Acq: 29 Jan 2020 13:17

Tgt Ion	77	Resp	729722
Ion	Ratio	Lower	Upper
77	100		
123	48.8	34.6	52.0
65	13.5	11.0	16.4





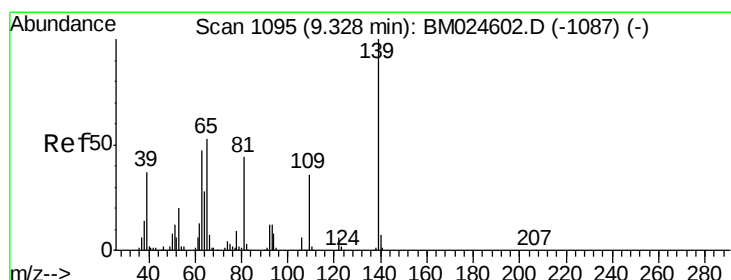
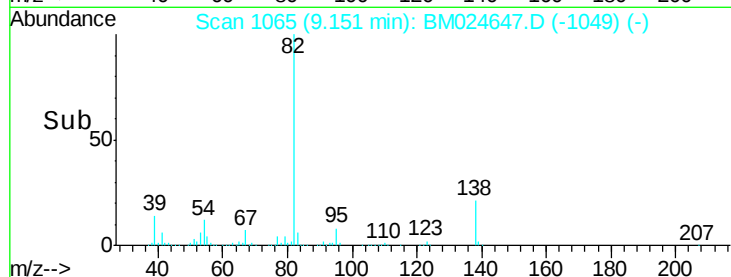
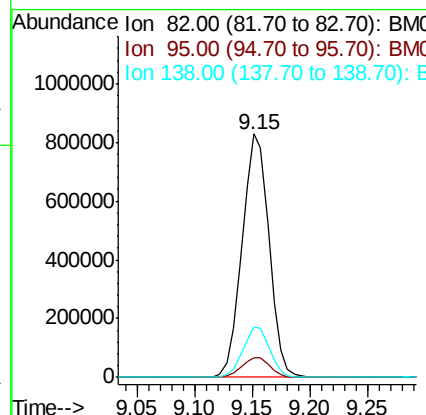
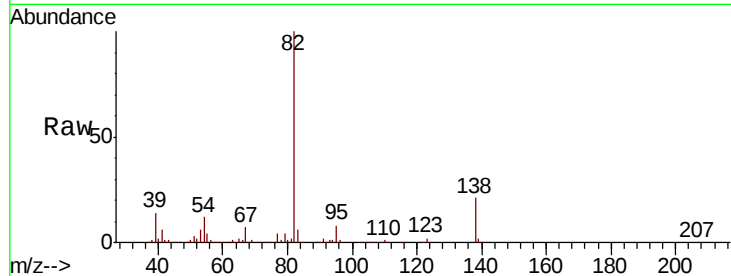
#25
Isophorone
Concen: 33.086 ng
RT: 9.15 min Scan# 1065
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Instrument :
BNA_M
ClientSampleId :
CL-02-012420MSD

Tot Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.7	10.1
138	20.8	14.7	22.1

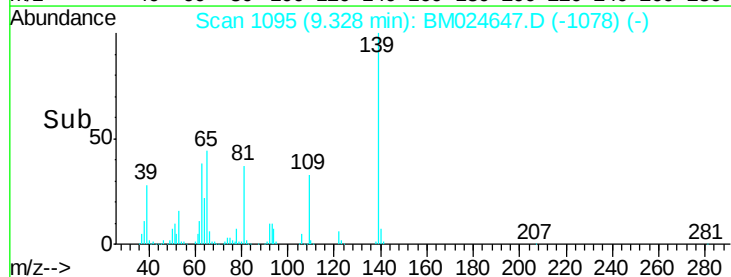
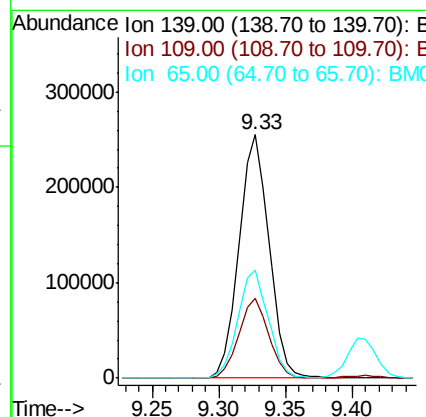
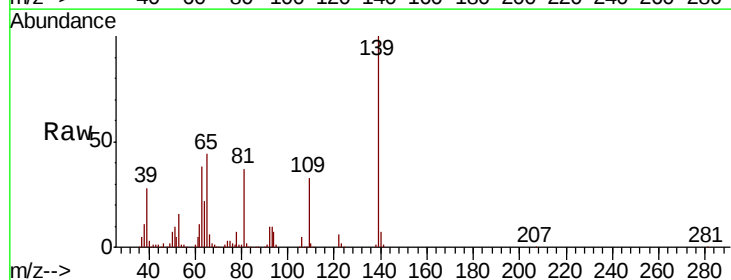
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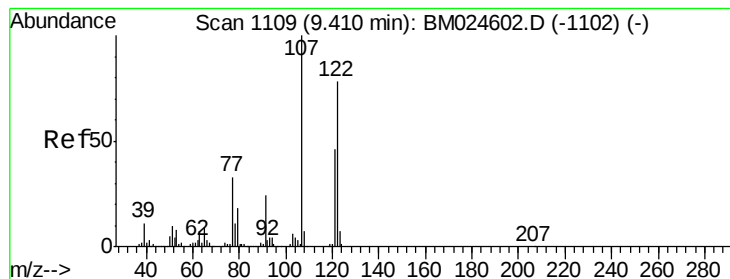
mohammad
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#26
2-Nitrophenol
Concen: 37.741 ng
RT: 9.33 min Scan# 1095
Delta R.T. -0.00 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
139	100		
109	32.5	28.8	43.2
65	44.1	42.6	63.8





#27

2,4-Dimethylphenol

Concen: 44.167 ng

RT: 9.41 min Scan# 1109

Delta R.T. -0.00 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

Instrument :

BNA_M

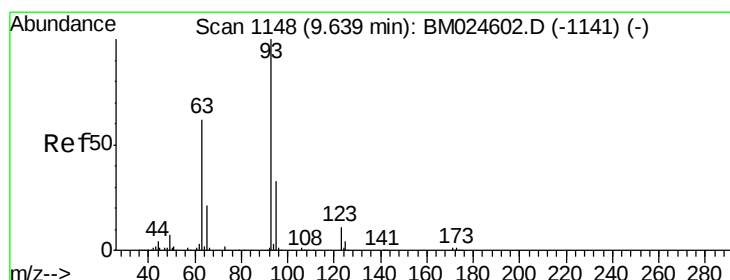
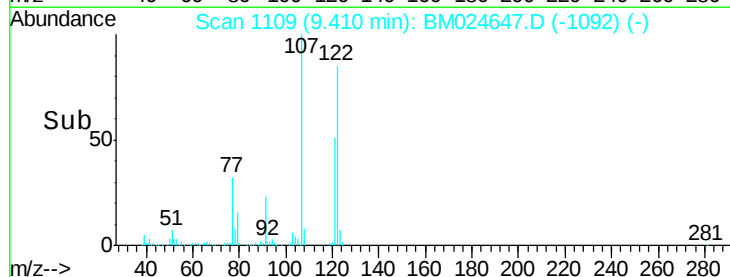
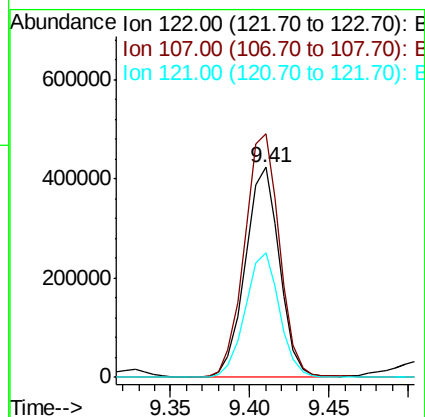
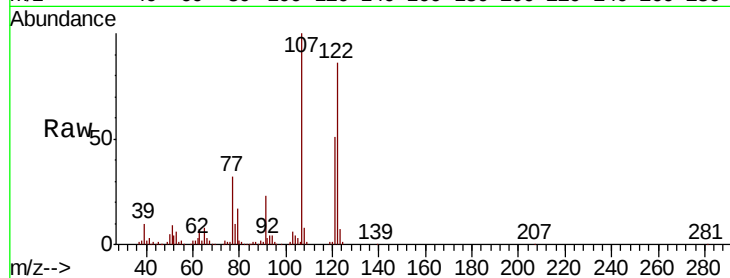
ClientSampleId :

CL-02-012420MSD

Tot Ion:	122	Resp:	634495
Ion Ratio	Lower	Upper	
122	100		
107	115.8	102.5	153.7
121	59.5	47.0	70.4

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#28

bis(2-Chloroethoxy)methane

Concen: 32.924 ng

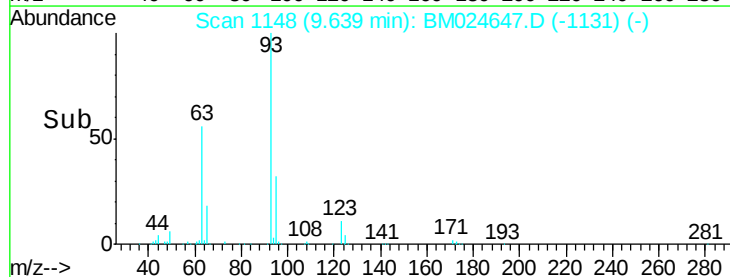
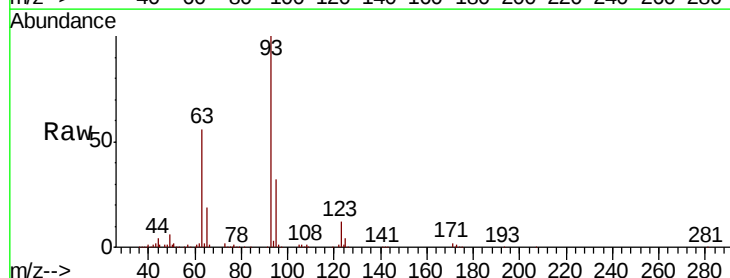
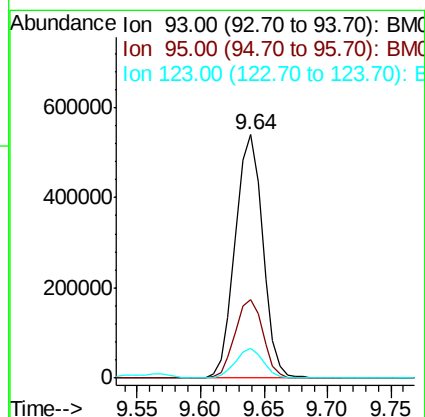
RT: 9.64 min Scan# 1148

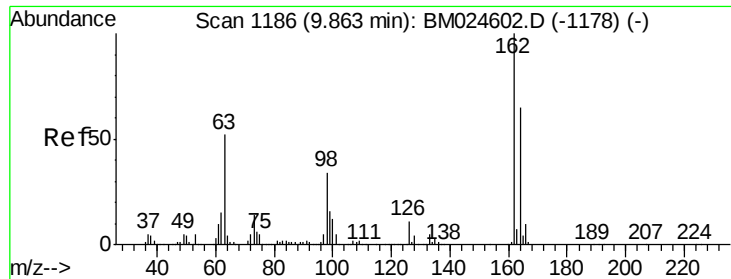
Delta R.T. -0.00 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

Tgt Ion:	93	Resp:	814177
Ion Ratio	Lower	Upper	
93	100		
95	32.3	26.1	39.1
123	12.2	8.7	13.1





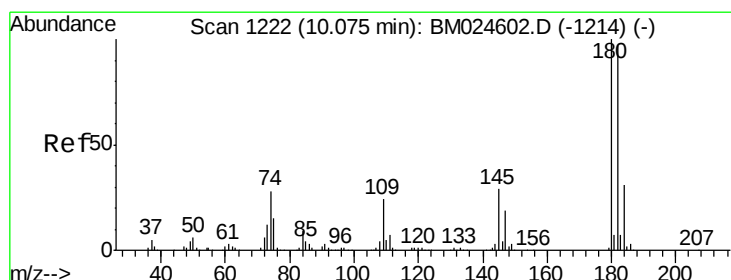
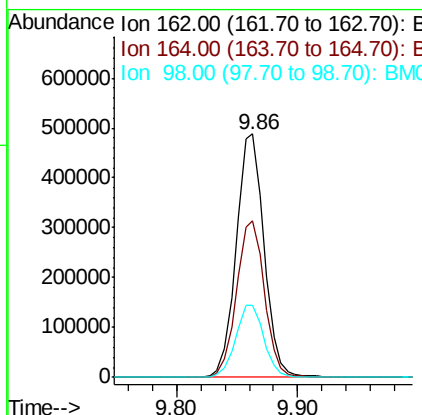
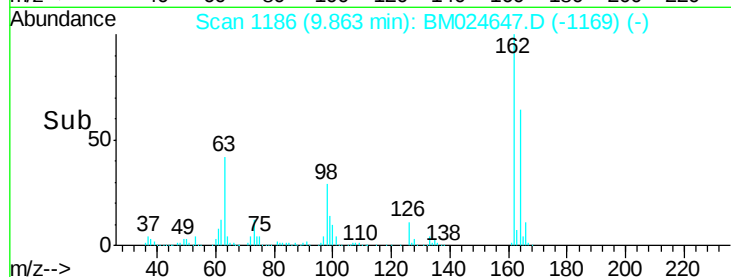
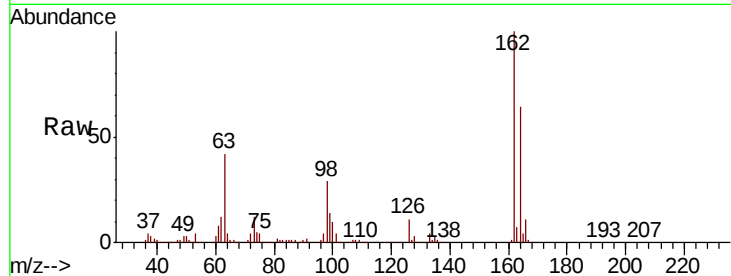
#29
2,4-Dichlorophenol
Concen: 40.560 ng
RT: 9.86 min Scan# 1186
Delta R.T. -0.00 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Instrument :
BNA_M
ClientSampleId :
CL-02-012420MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.5	84.5
98	29.5	14.2	54.2

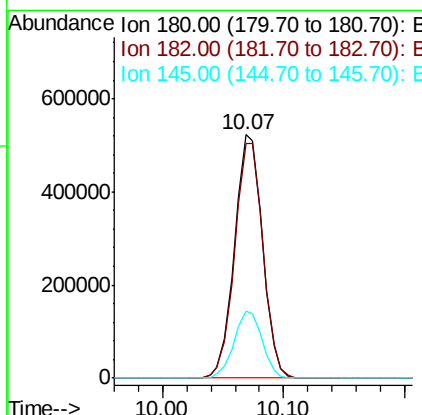
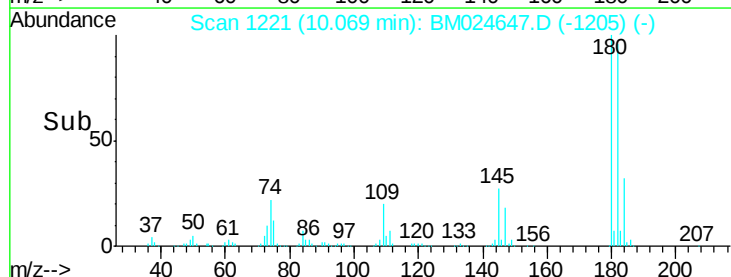
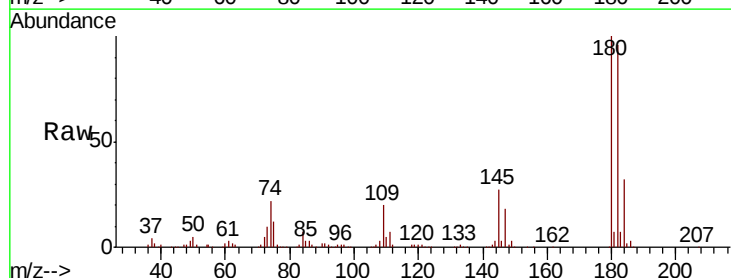
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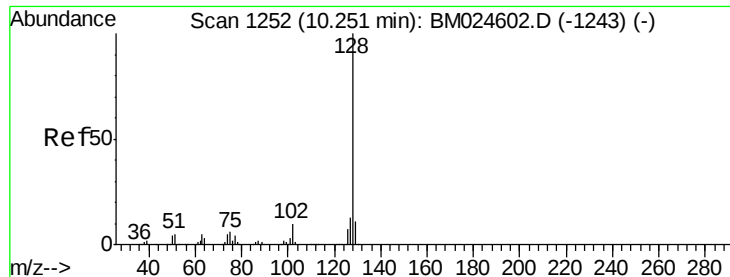
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#30
1,2,4-Trichlorobenzene
Concen: 36.185 ng
RT: 10.07 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.8	116.6
145	27.3	22.9	34.3





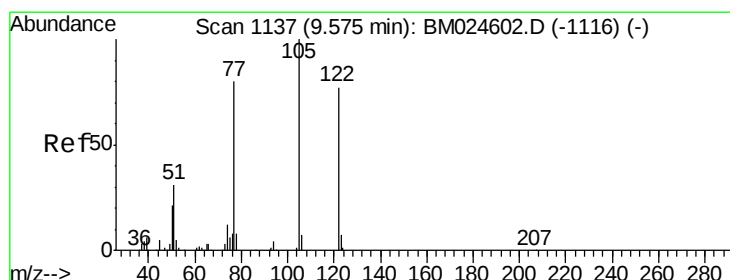
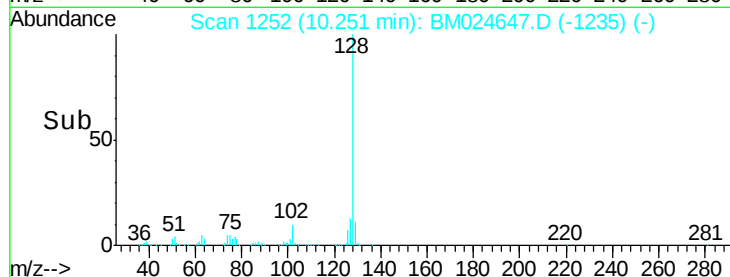
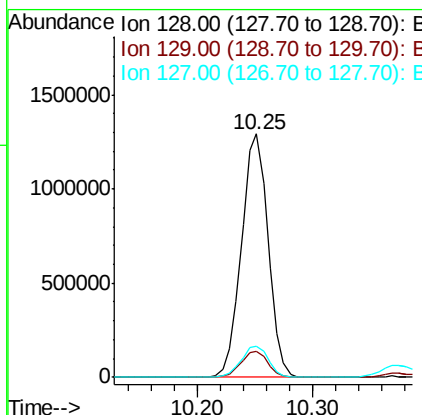
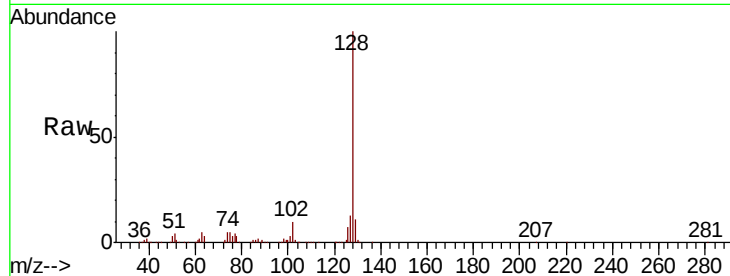
#31
Naphthalene
Concen: 35.112 ng
RT: 10.25 min Scan# 1252
Delta R.T. -0.00 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Instrument :
BNA_M
ClientSampleId :
CL-02-012420MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.8	10.6	15.8

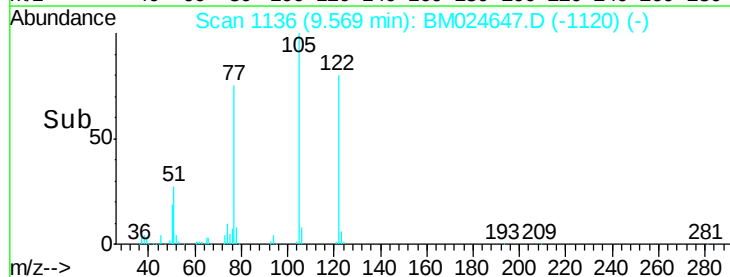
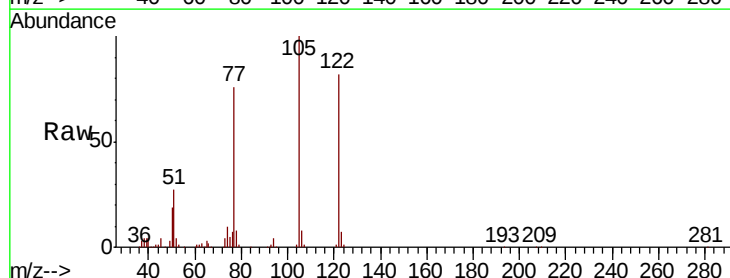
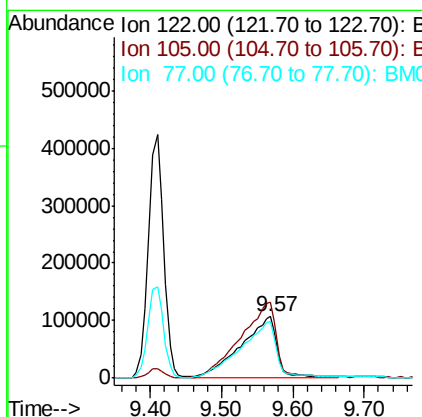
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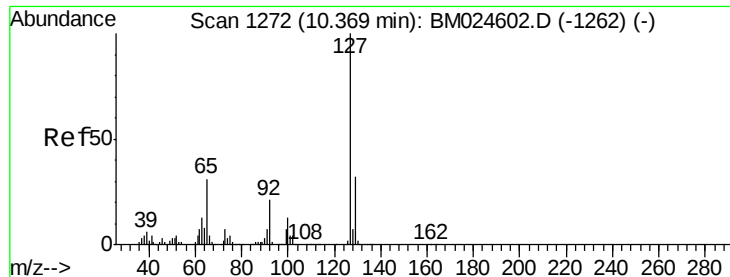
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#32
Benzoic acid
Concen: 28.302 ng m
RT: 9.57 min Scan# 1136
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
122	100		
105	122.7	107.7	147.7
77	93.0	83.8	123.8





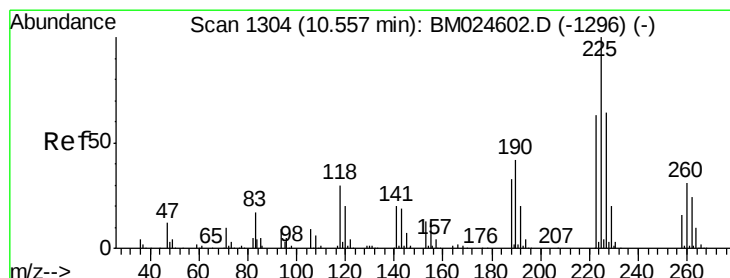
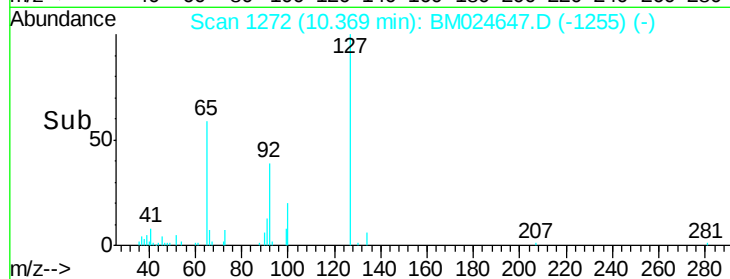
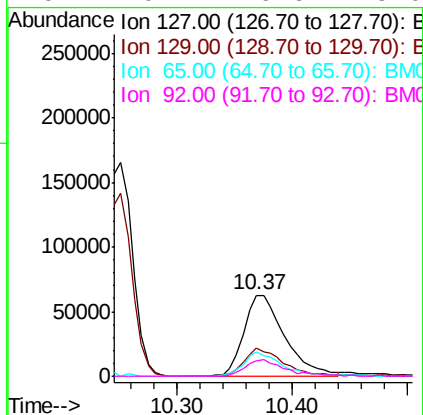
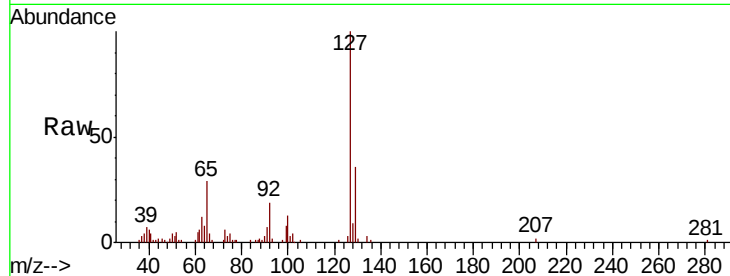
#33
4-Chloroaniline
Concen: 5.970 ng
RT: 10.37 min Scan# 1272
Delta R.T. -0.00 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Instrument :
BNA_M
ClientSampleId :
CL-02-012420MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	35.6	25.9	38.9		
65	29.4	25.1	37.7		
92	19.4	16.6	25.0		

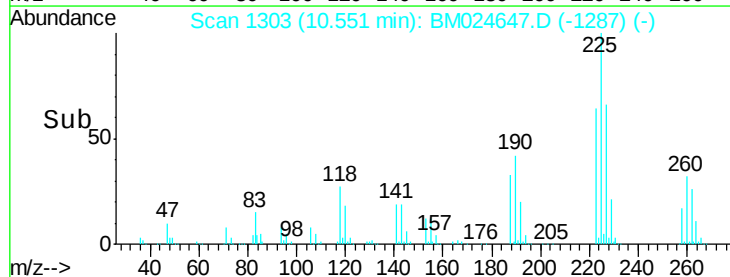
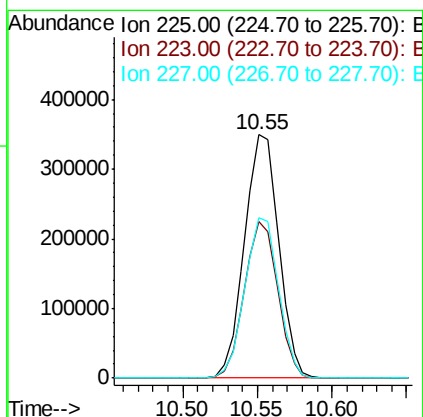
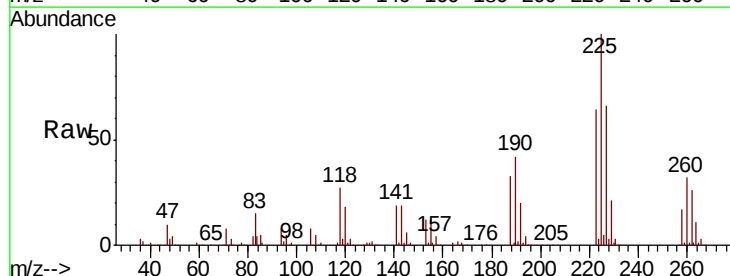
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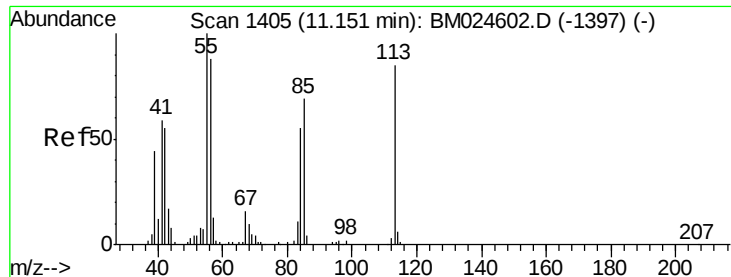
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#34
Hexachlorobutadiene
Concen: 34.215 ng
RT: 10.55 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	64.3	50.7	76.1		
227	66.1	51.4	77.0		





#35

Caprolactam

Concen: 23.861 ng/mL

RT: 11.15 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

Instrument :

BNA_M

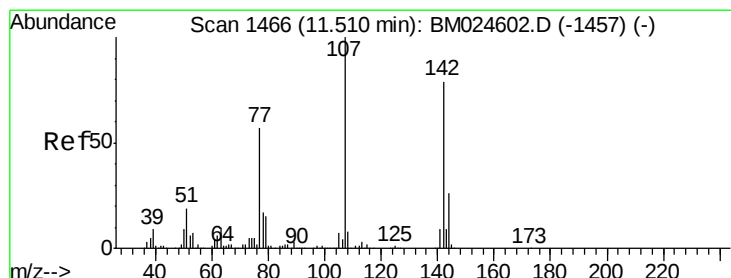
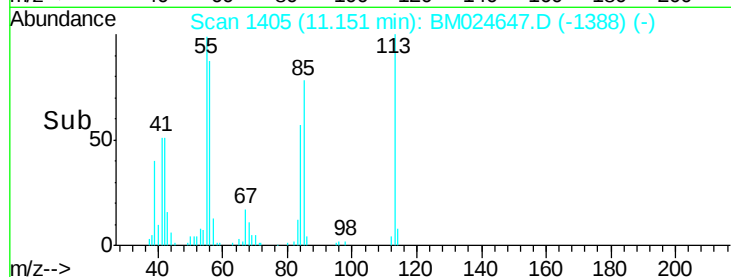
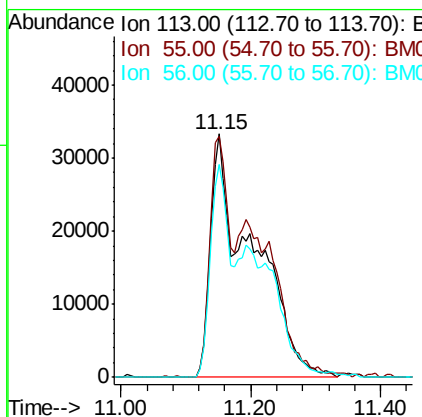
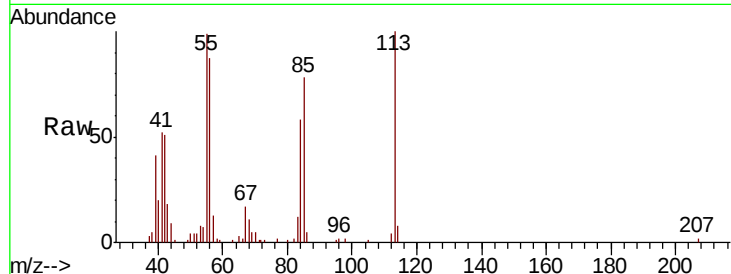
ClientSampleId :

CL-02-012420MSD

Tot Ion:	113	Resp:	148582
Ion Ratio	Lower	Upper	
113	100		
55	98.9	97.5	137.5
56	87.2	83.4	123.4

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#36

4-Chloro-3-methylphenol

Concen: 34.710 ng/mL

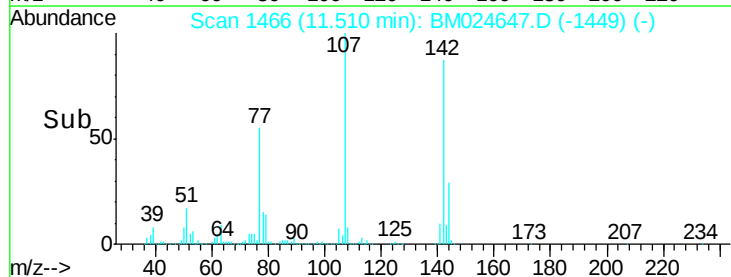
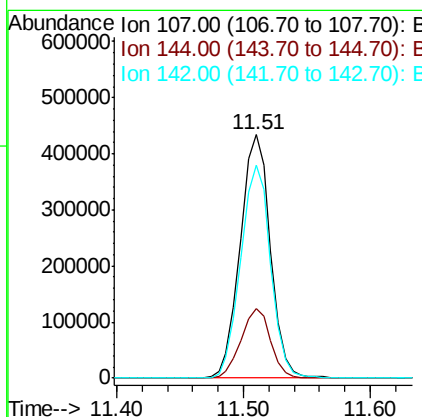
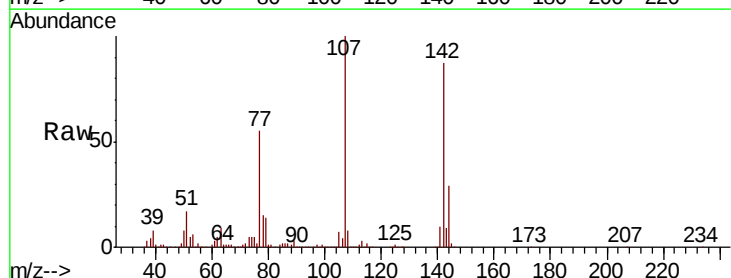
RT: 11.51 min Scan# 1466

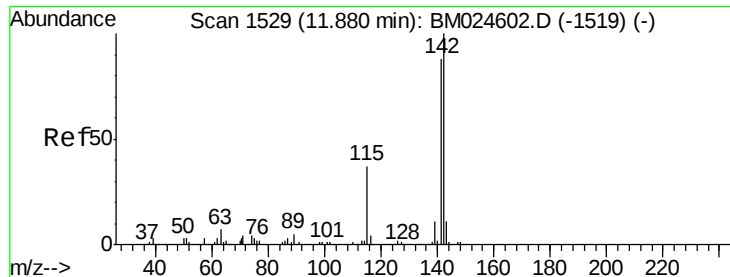
Delta R.T. -0.00 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

Tgt Ion:	107	Resp:	716344
Ion Ratio	Lower	Upper	
107	100		
144	28.7	20.5	30.7
142	87.3	62.8	94.2





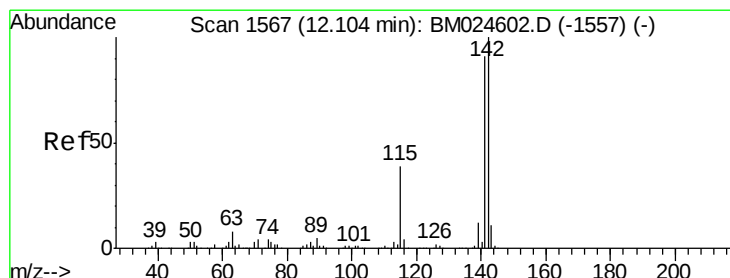
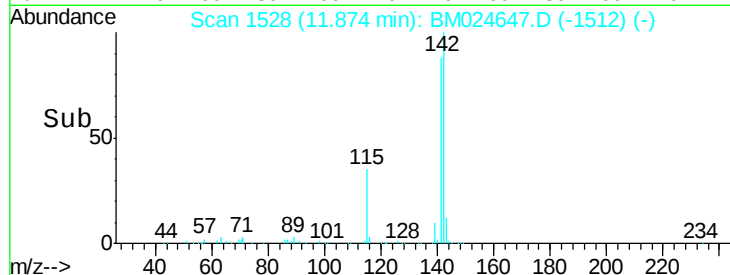
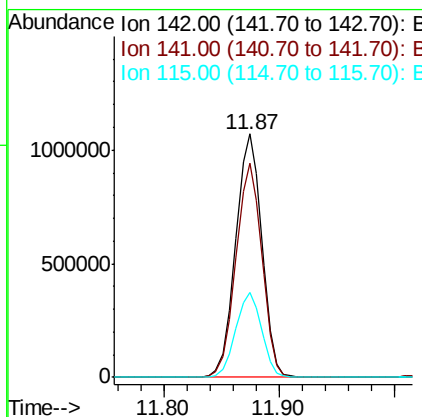
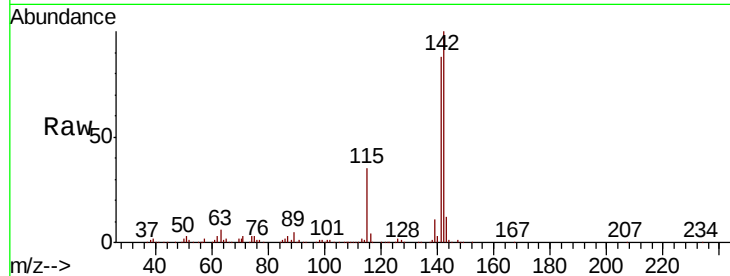
#37
2-Methylnaphthalene
Concen: 36.790 ng
RT: 11.87 min Scan# 1528
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Instrument :
BNA_M
ClientSampleId :
CL-02-012420MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.2	105.2
115	34.8	29.7	44.5

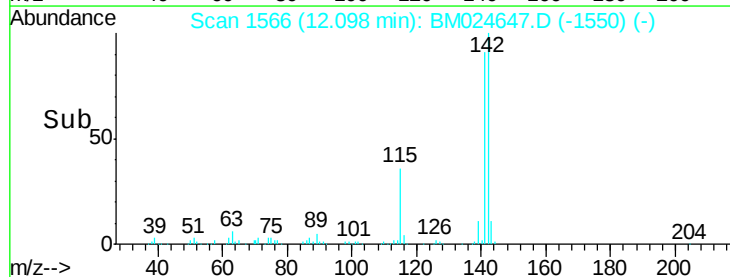
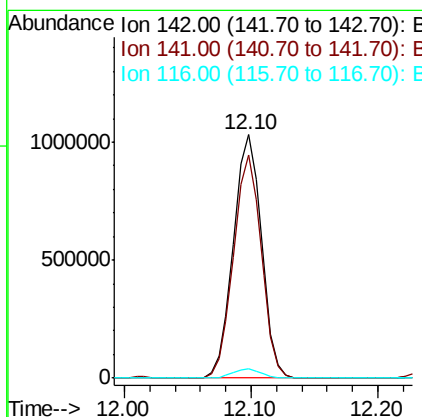
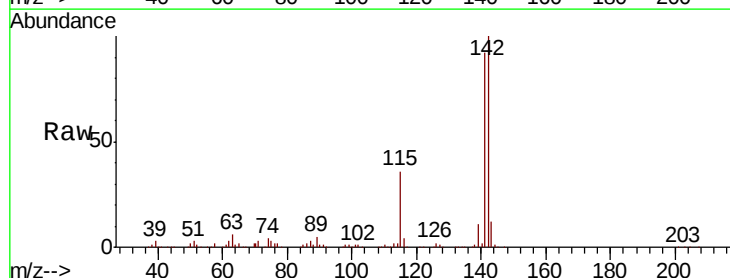
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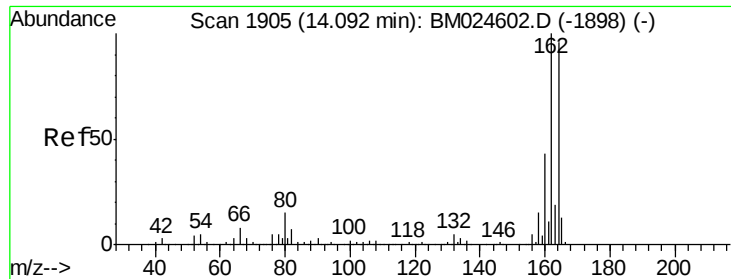
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#38
1-Methylnaphthalene
Concen: 36.413 ng
RT: 12.10 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	72.8	109.2
116	4.0	3.2	4.8





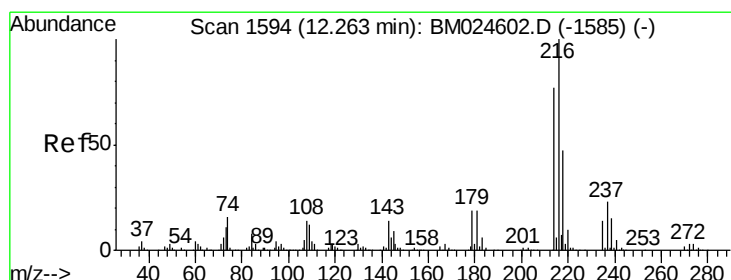
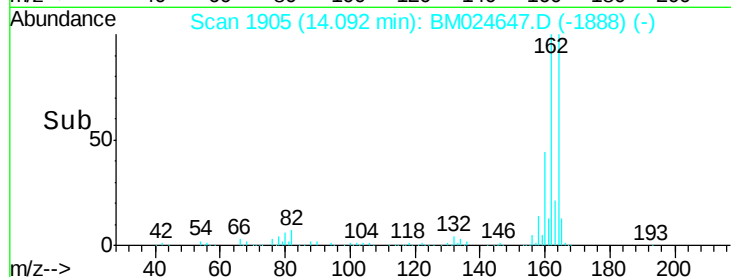
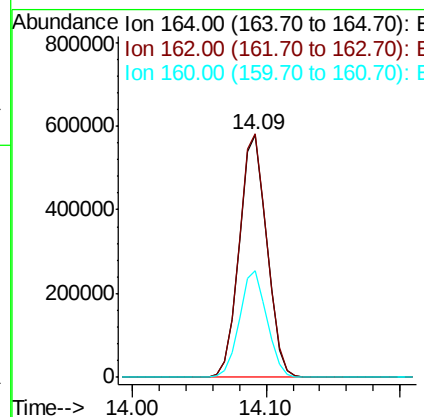
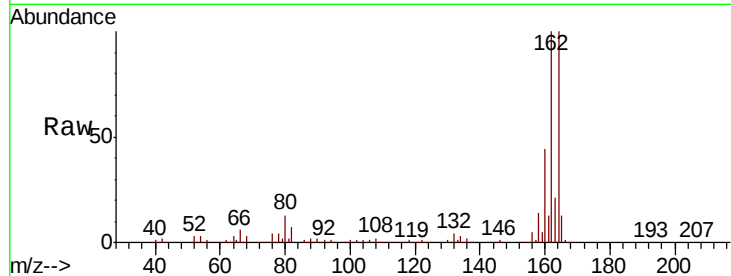
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.09 min Scan# 1905
Delta R.T. -0.00 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Instrument :
BNA_M
ClientSampleId :
CL-02-012420MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.3	82.9	124.3
160	44.2	35.5	53.3

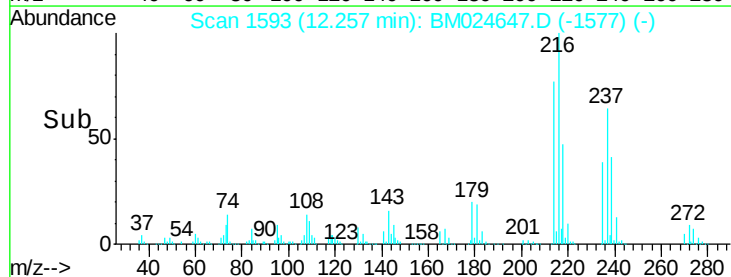
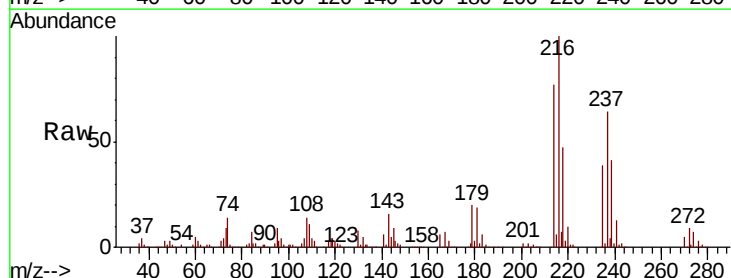
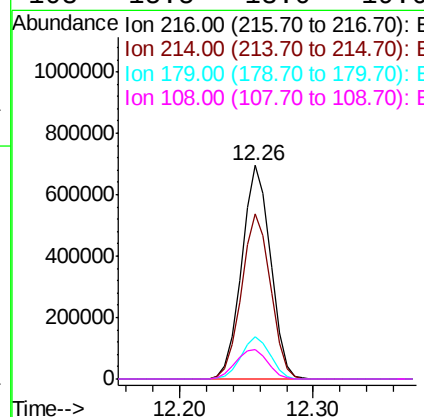
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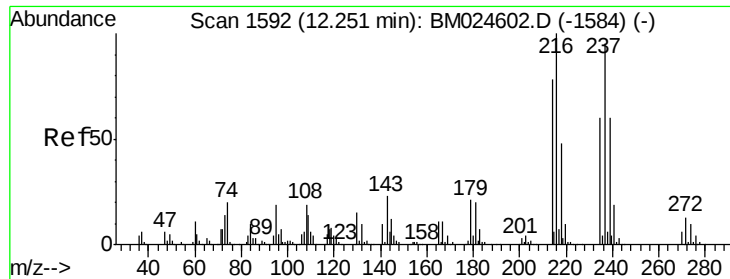
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 35.099 ng
RT: 12.26 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
216	100		
214	77.8	62.3	93.5
179	19.9	16.1	24.1
108	15.5	13.0	19.6





#41

Hexachlorocyclopentadiene

Concen: 75.994 ng

RT: 12.24 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

Instrument :

BNA_M

ClientSampleId :

CL-02-012420MSD

Tot Ion:237 Resp: 1258681

Ion Ratio Lower Upper

237 100

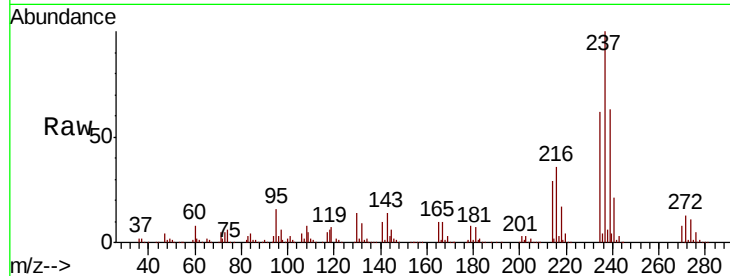
235 62.2 43.3 83.3

272 13.2 0.0 33.4

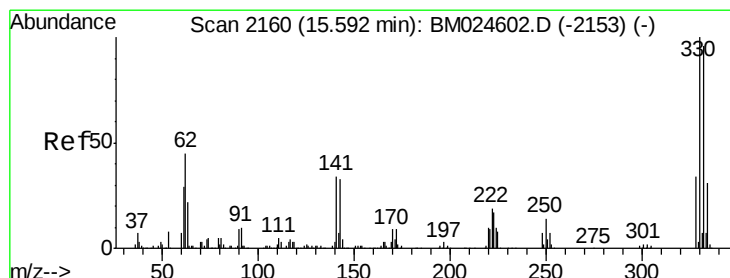
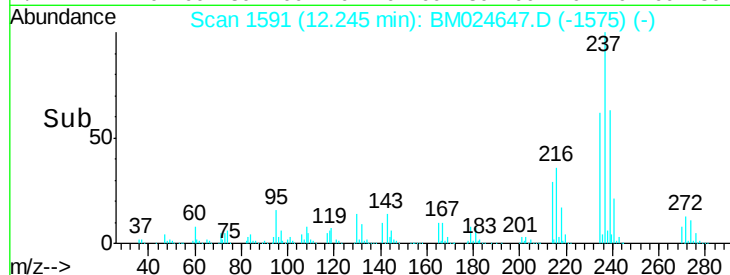
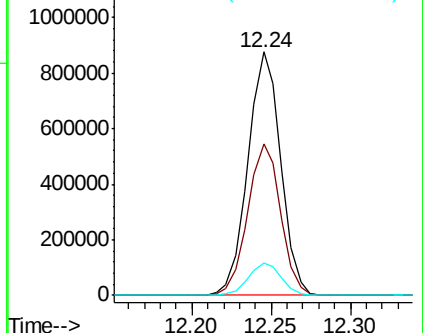
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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 109.936 ng

RT: 15.59 min Scan# 2160

Delta R.T. -0.00 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

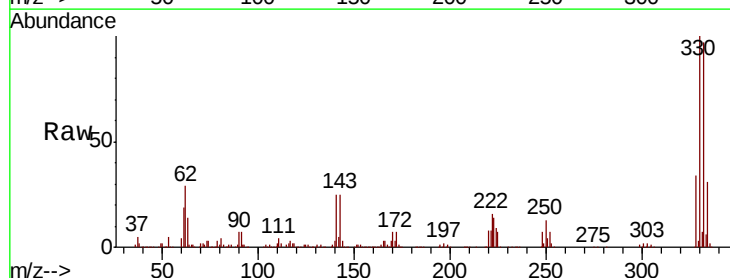
Tgt Ion:330 Resp: 1480594

Ion Ratio Lower Upper

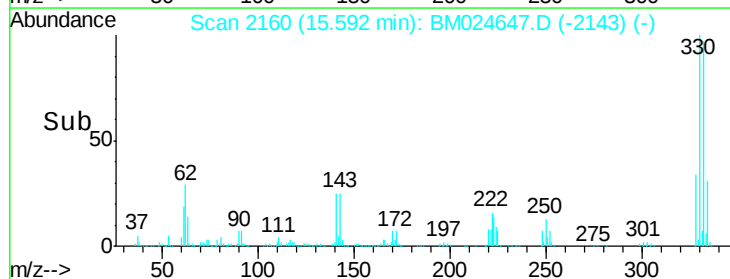
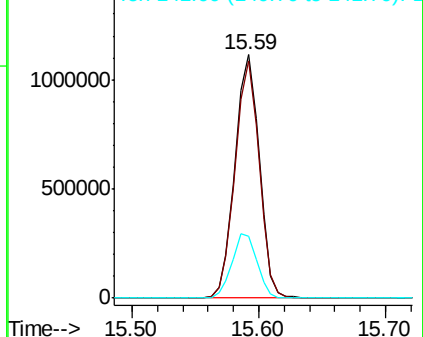
330 100

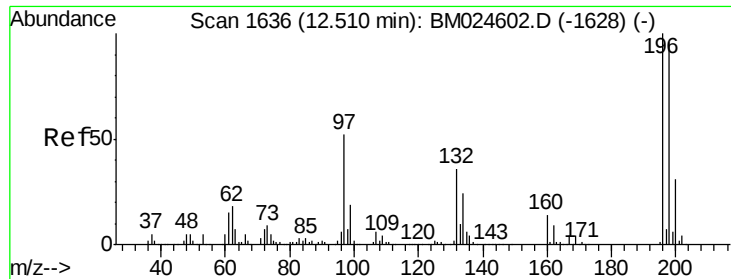
332 96.7 77.2 115.8

141 27.1 26.9 40.3



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





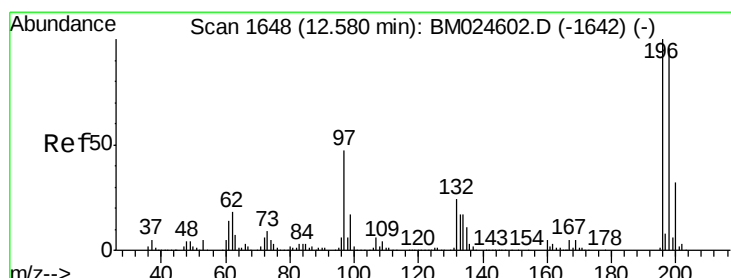
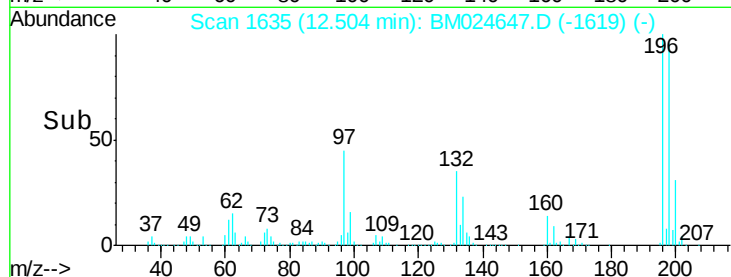
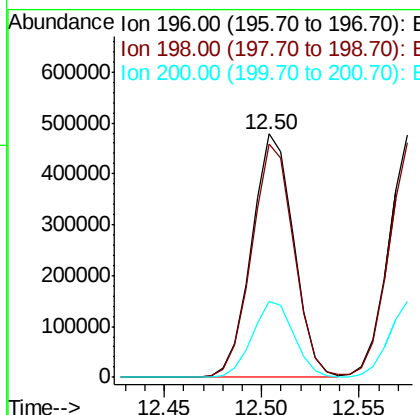
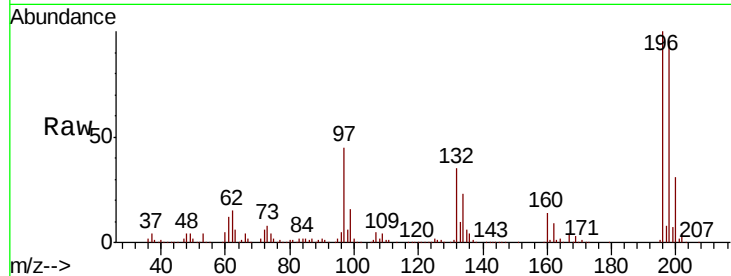
#43
 2,4,6-Trichlorophenol
 Concen: 37.917 ng
 RT: 12.50 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BM024647.D
 Acq: 29 Jan 2020 13:17

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-012420MSD

Tot Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.5	114.7
200	31.0	25.0	37.6

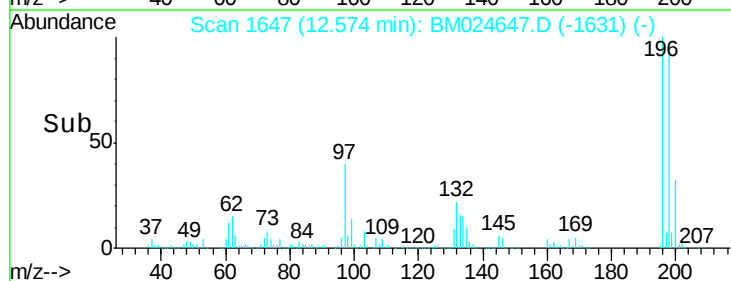
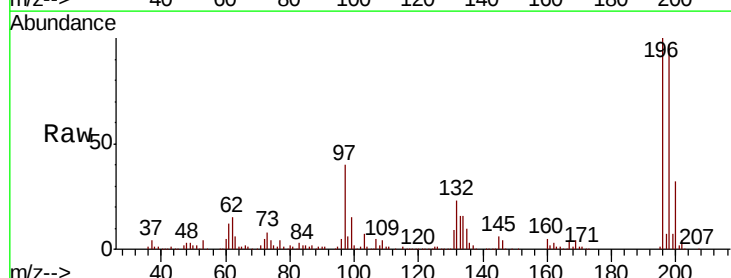
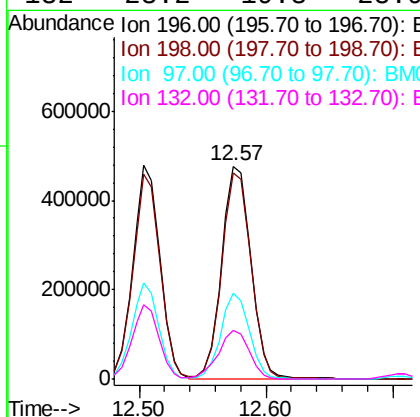
Manual Integrations
 APPROVED

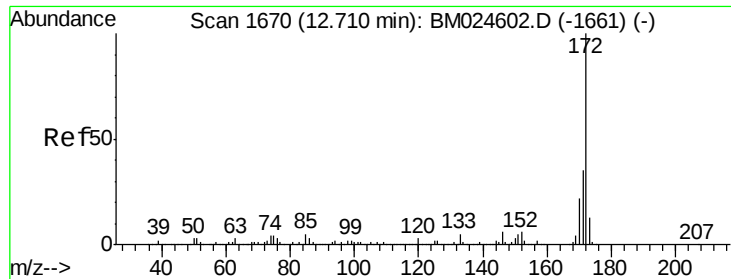
mohammad
 1/30/2020 10:18:49 AM



#44
 2,4,5-Trichlorophenol
 Concen: 39.466 ng
 RT: 12.57 min Scan# 1647
 Delta R.T. -0.01 min
 Lab File: BM024647.D
 Acq: 29 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.0	77.2	115.8
97	40.5	37.4	56.0
132	23.2	19.3	28.9





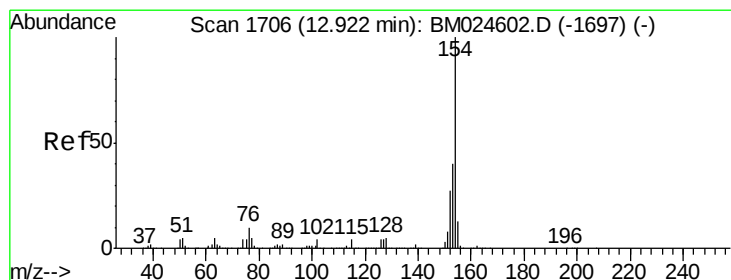
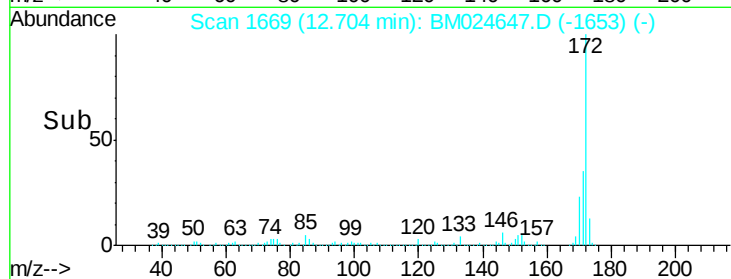
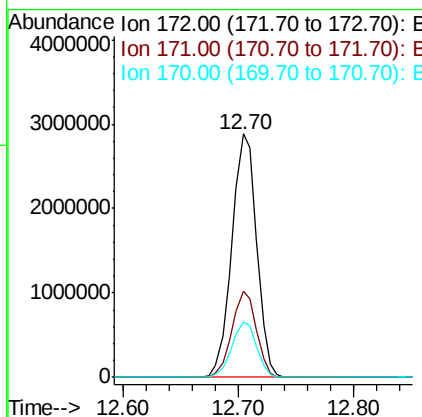
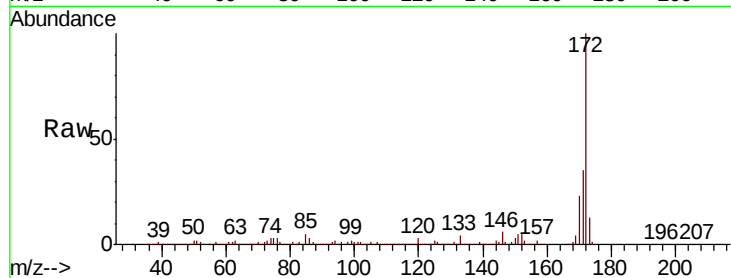
#45
 2-Fluorobiphenyl
 Concen: 70.329 ng
 RT: 12.70 min Scan# 1669
 Delta R.T. -0.01 min
 Lab File: BM024647.D
 Acq: 29 Jan 2020 13:17

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-012420MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.3	42.5
170	23.0	17.9	26.9

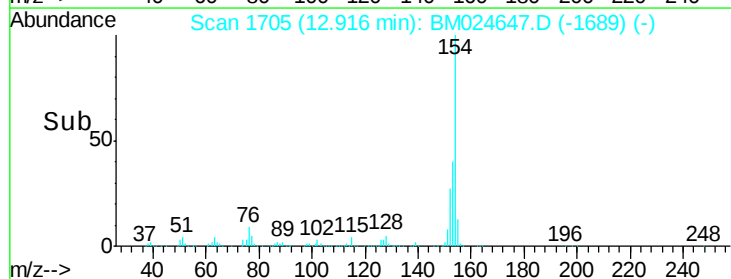
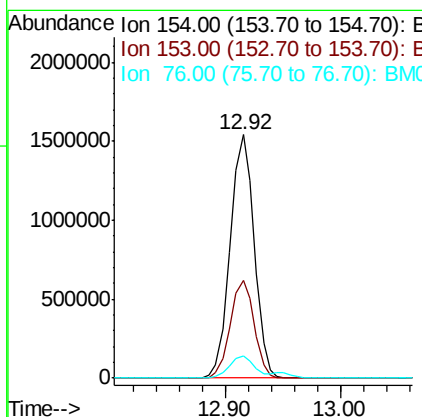
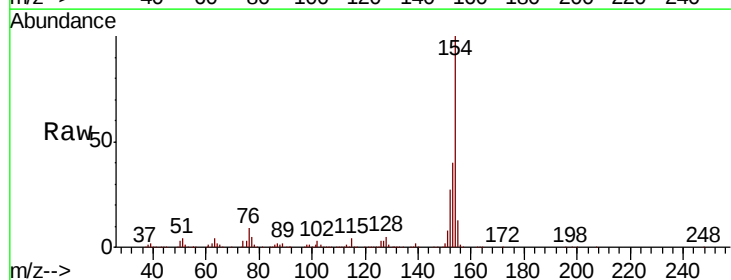
Manual Integrations
 APPROVED

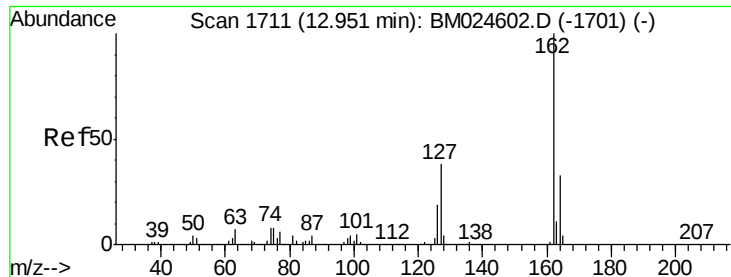
mohammad
 1/30/2020 10:18:49 AM



#46
 1,1'-Biphenyl
 Concen: 35.414 ng
 RT: 12.92 min Scan# 1705
 Delta R.T. -0.01 min
 Lab File: BM024647.D
 Acq: 29 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.3	60.3
76	8.9	0.0	30.5





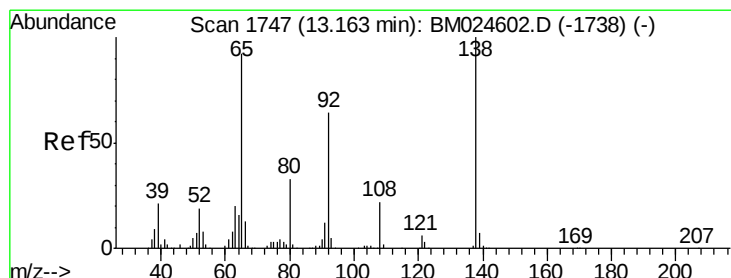
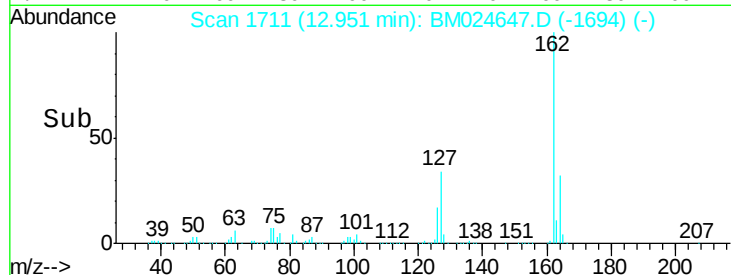
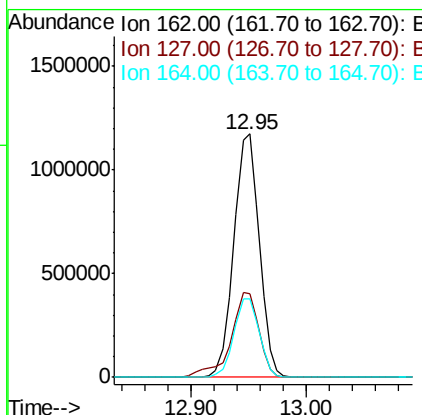
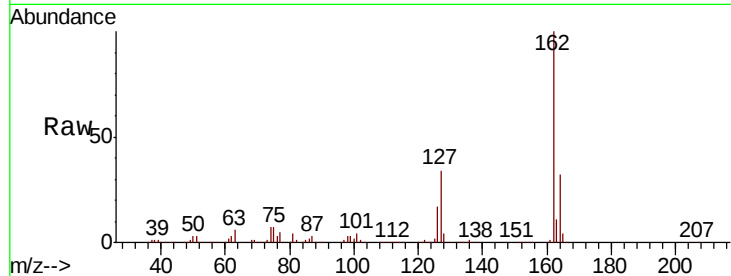
#47
 2-Chloronaphthalene
 Concen: 35.418 ng
 RT: 12.95 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: BM024647.D
 Acq: 29 Jan 2020 13:17

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-012420MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	34.3	30.4	45.6
164	32.4	26.5	39.7

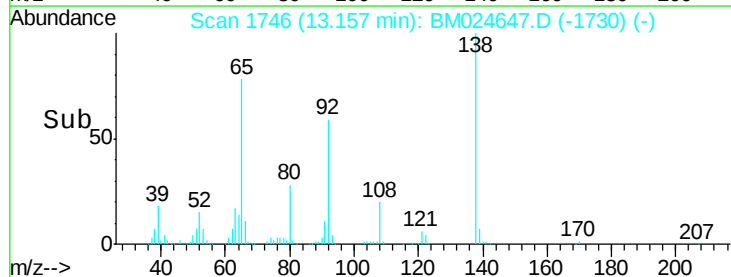
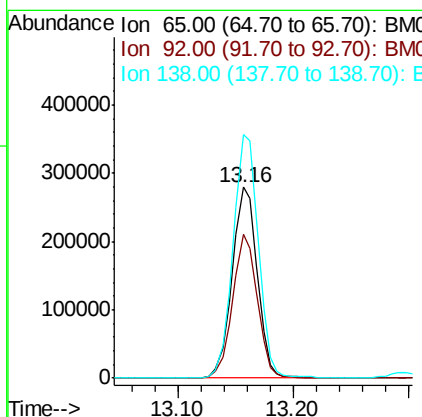
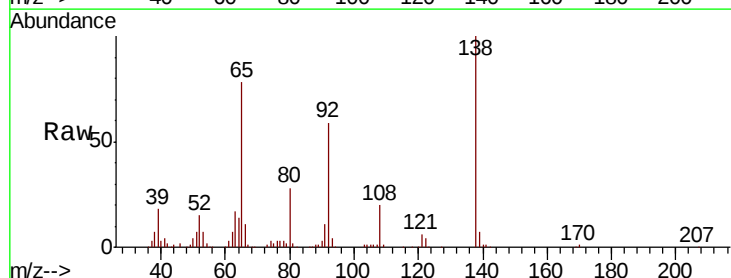
Manual Integrations
 APPROVED

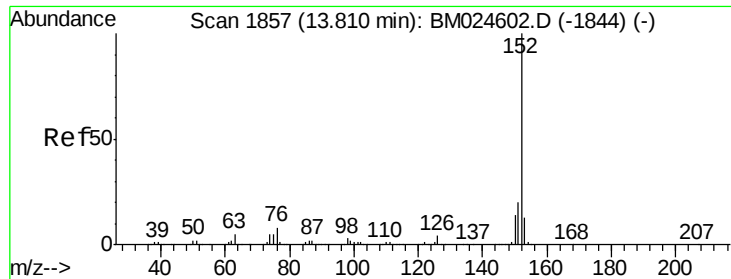
mohammad
 1/30/2020 10:18:49 AM



#48
 2-Nitroaniline
 Concen: 27.415 ng
 RT: 13.16 min Scan# 1746
 Delta R.T. -0.01 min
 Lab File: BM024647.D
 Acq: 29 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
65	100		
92	75.2	55.4	83.2
138	127.6	86.6	129.8





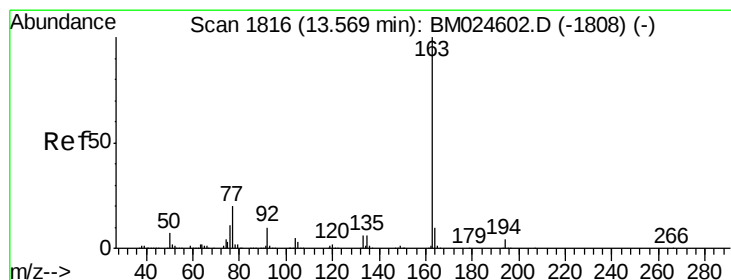
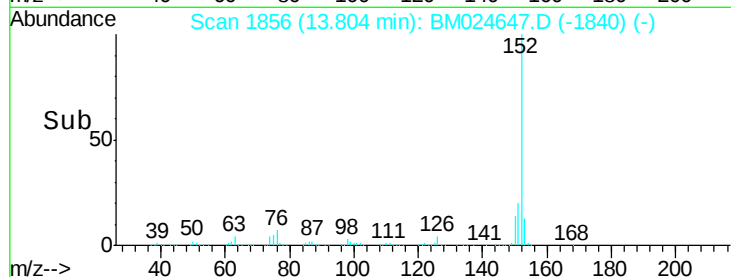
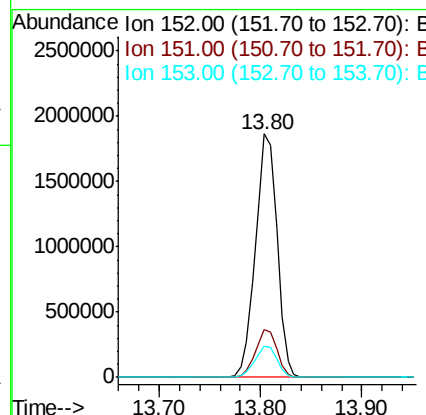
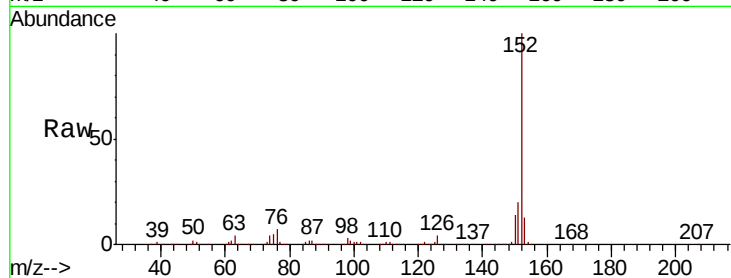
#49
Acenaphthylene
Concen: 36.682 ng
RT: 13.80 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Instrument :
BNA_M
ClientSampleId :
CL-02-012420MSD

Tot Ion	Ion	Ratio	Lower	Upper
152	100			
151	19.8	15.8	23.6	
153	13.0	10.4	15.6	

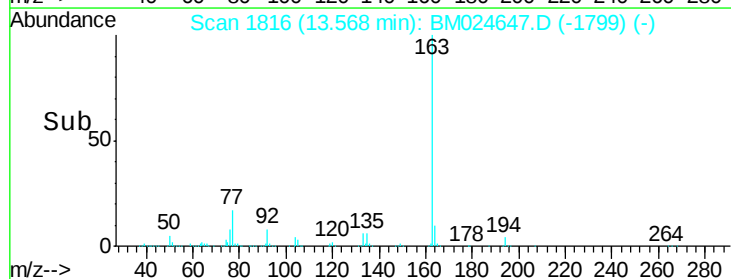
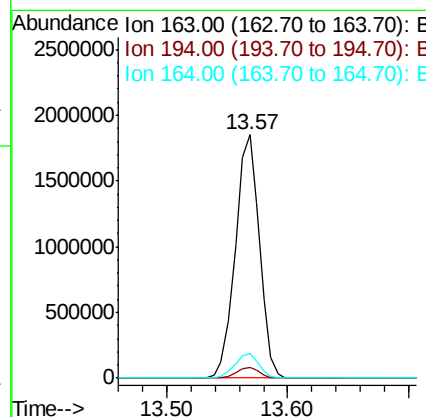
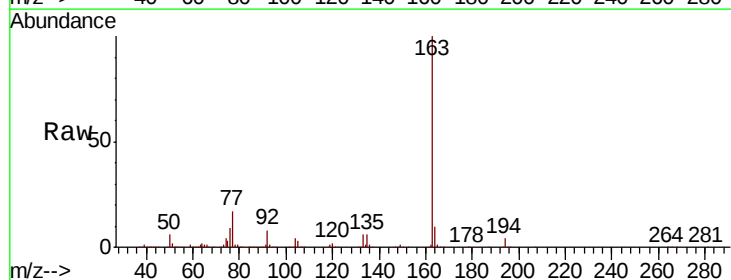
Manual Integrations
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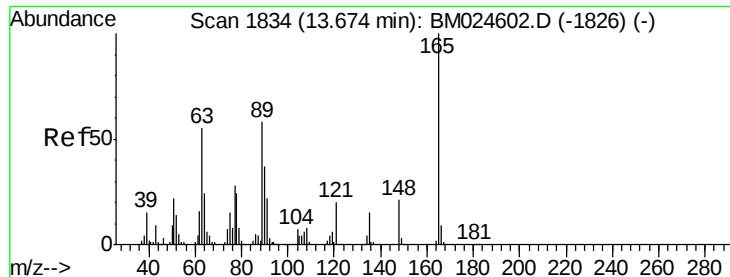
mohammad
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#50
Dimethylphthalate
Concen: 38.311 ng
RT: 13.57 min Scan# 1816
Delta R.T. -0.00 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Tgt Ion	Ion	Ratio	Lower	Upper
163	100			
194	4.5	3.4	5.0	
164	10.1	8.0	12.0	





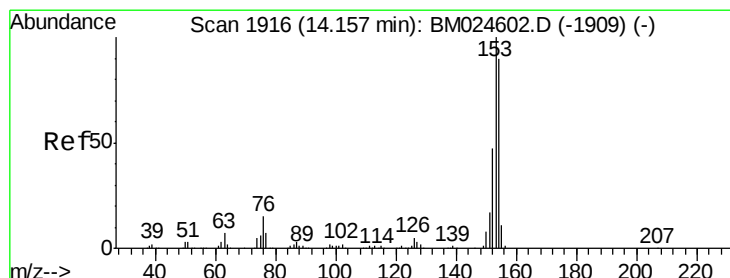
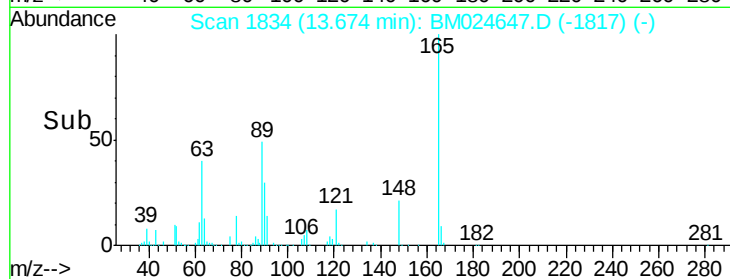
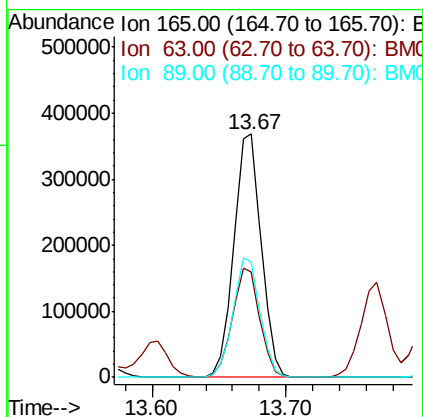
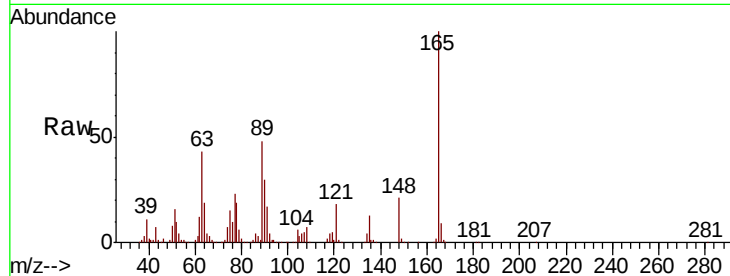
#51
2,6-Dinitrotoluene
Concen: 36.925 ng
RT: 13.67 min Scan# 1834
Delta R.T. -0.00 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Instrument :
BNA_M
ClientSampleId :
CL-02-012420MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	43.3	45.4	68.0#
89	47.7	46.6	69.8

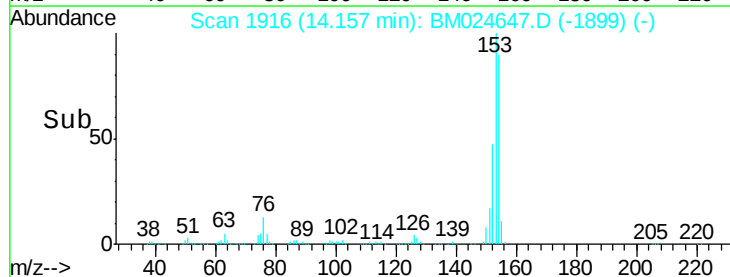
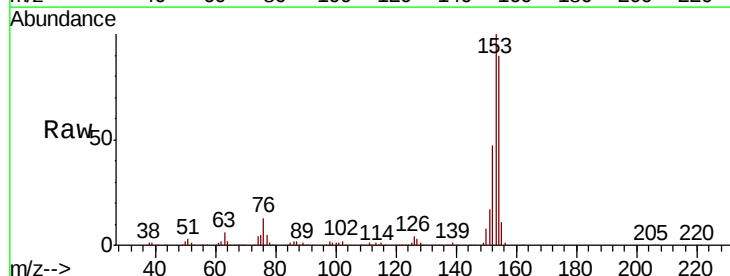
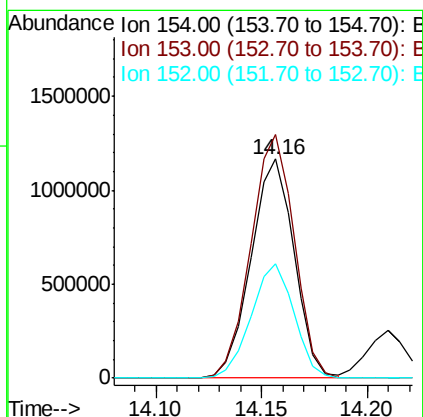
Manual Integrations
APPROVED

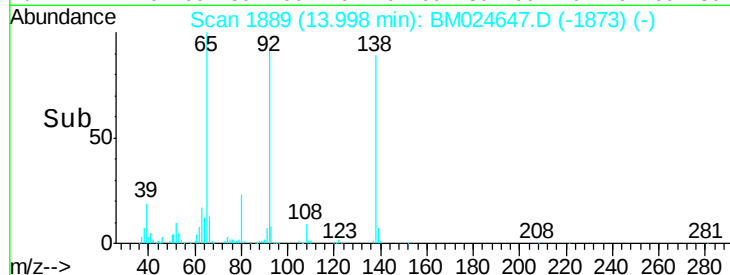
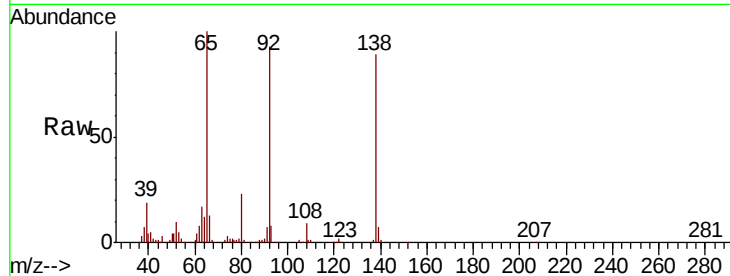
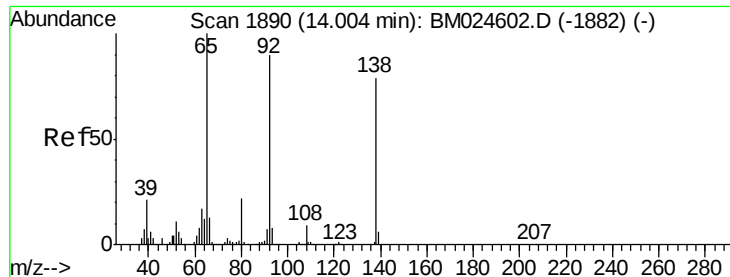
mohammad
1/30/2020 10:18:49 AM



#52
Acenaphthene
Concen: 35.248 ng
RT: 14.16 min Scan# 1916
Delta R.T. -0.00 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.1	133.7
152	52.4	41.9	62.9





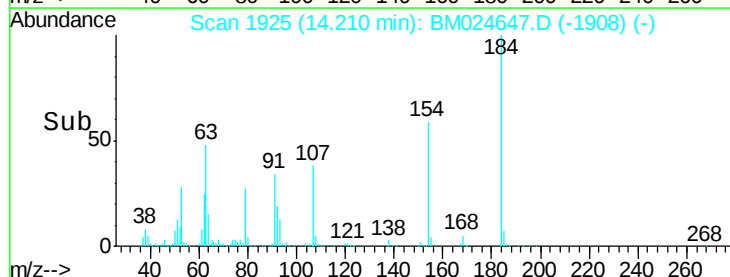
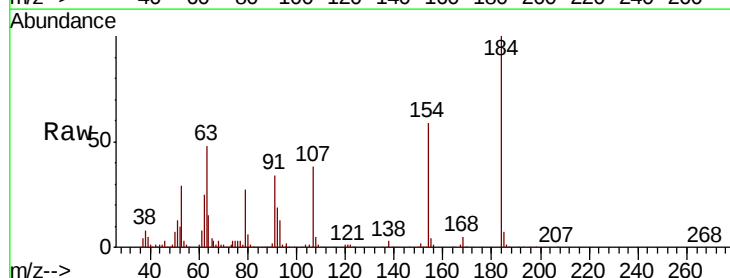
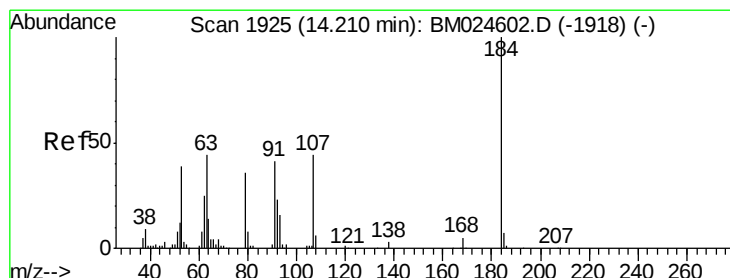
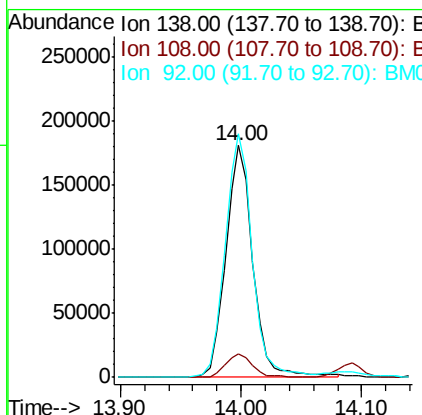
#53
3-Nitroaniline
Concen: 18.920 ng
RT: 14.00 min Scan# 1889
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Instrument :
BNA_M
ClientSampleId :
CL-02-012420MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.9	8.7	13.1
92	105.0	91.0	136.4

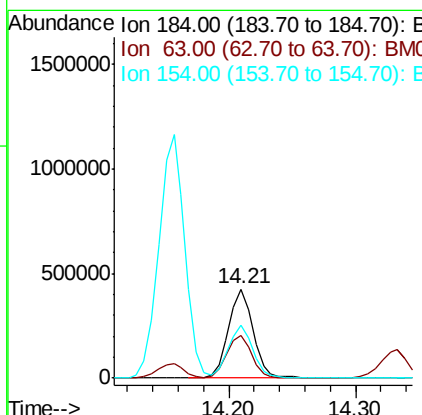
Manual Integrations
APPROVED

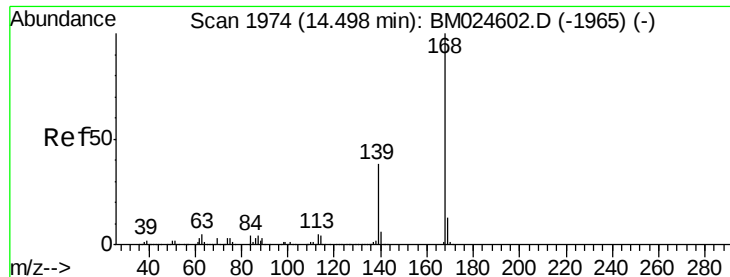
mohammad
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#54
2,4-Dinitrophenol
Concen: 67.540 ng
RT: 14.21 min Scan# 1925
Delta R.T. -0.00 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
184	100		
63	48.0	51.8	77.8#
154	59.1	50.2	75.4





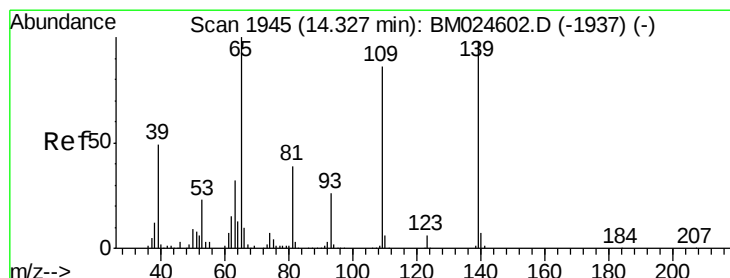
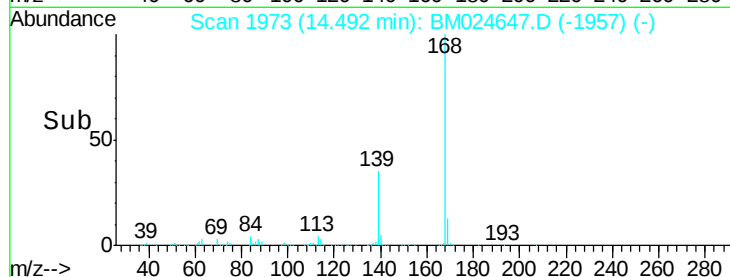
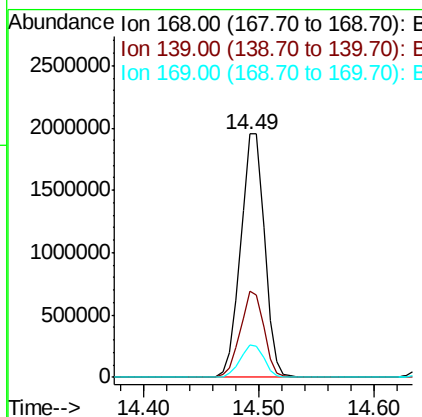
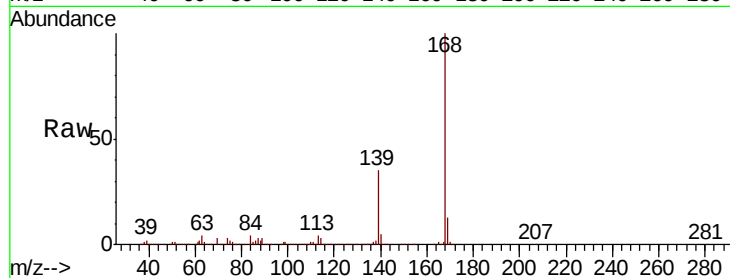
#55
Dibenzofuran
Concen: 36.671 ng
RT: 14.49 min Scan# 1973
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Instrument :
BNA_M
ClientSampleId :
CL-02-012420MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.3	30.2	45.4
169	13.4	10.7	16.1

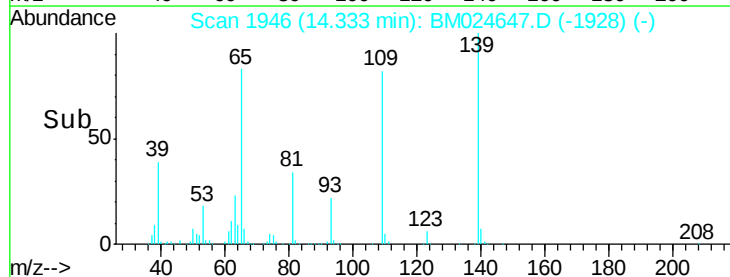
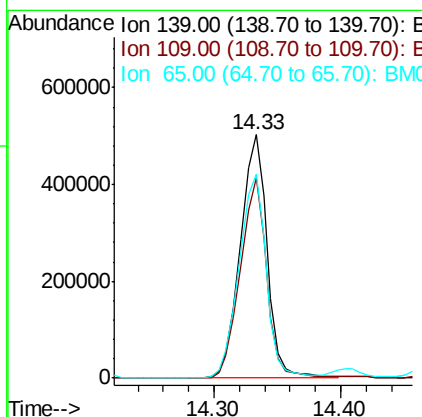
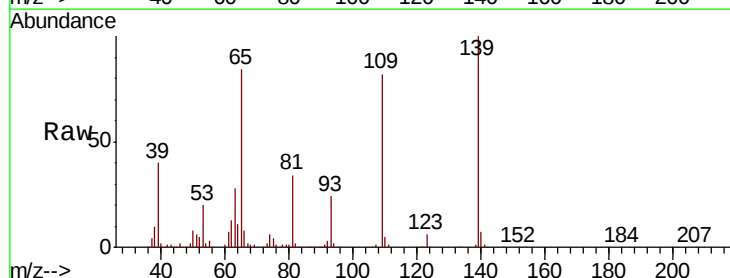
Manual Integrations
APPROVED

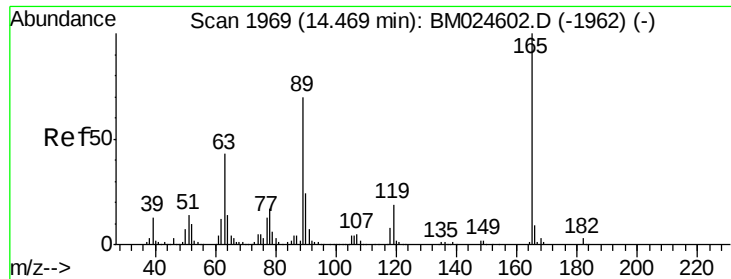
mohammad
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#56
4-Nitrophenol
Concen: 64.123 ng
RT: 14.33 min Scan# 1946
Delta R.T. 0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
139	100		
109	82.0	67.4	107.4
65	83.9	82.1	122.1





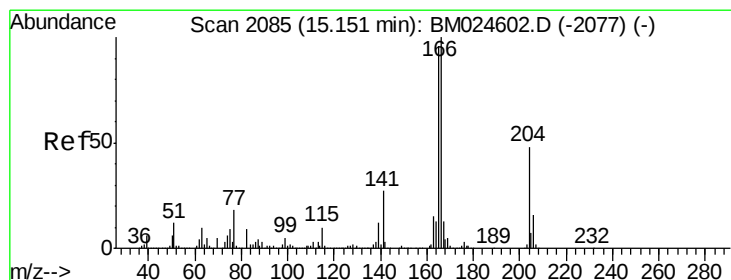
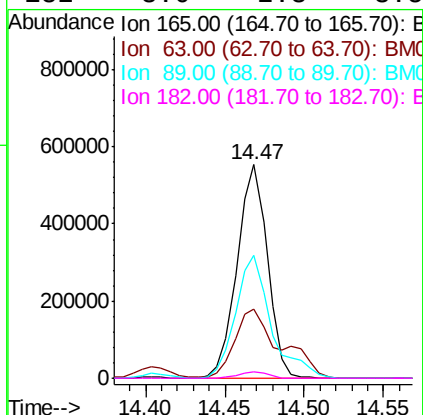
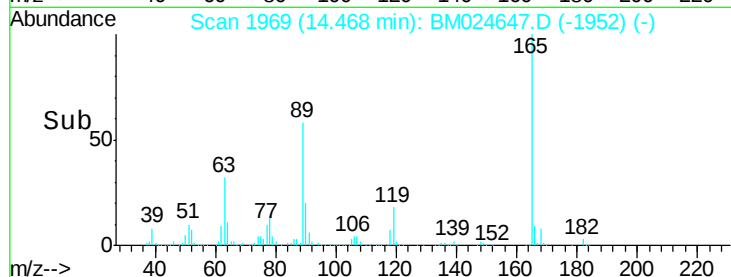
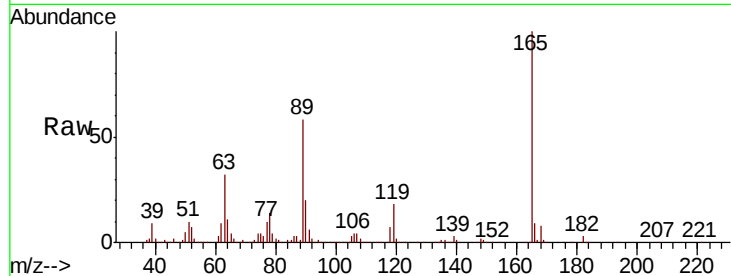
#57
2,4-Dinitrotoluene
Concen: 35.941 ng
RT: 14.47 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Instrument :
BNA_M
ClientSampleId :
CL-02-012420MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		733188		
63	32.4	34.5	51.7#		
89	57.6	55.8	83.8		
182	3.0	2.3	3.5		

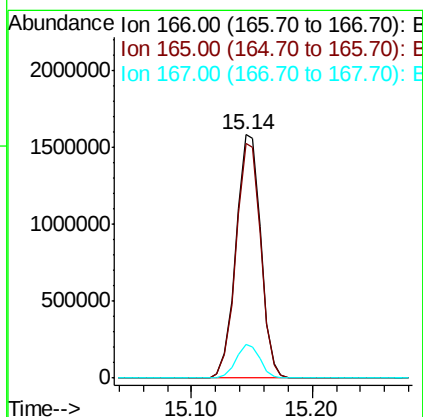
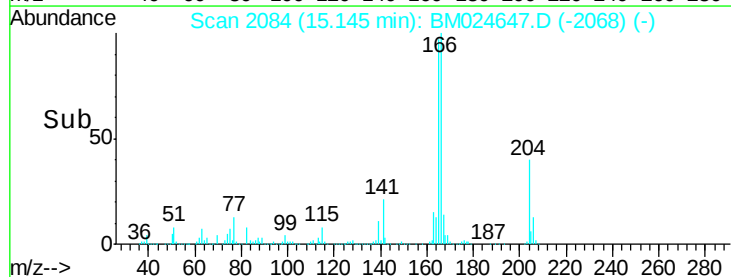
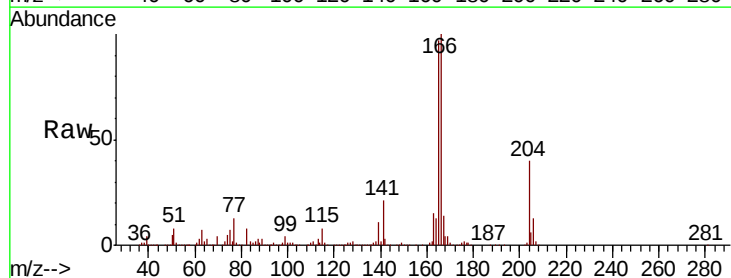
Manual Integrations
APPROVED

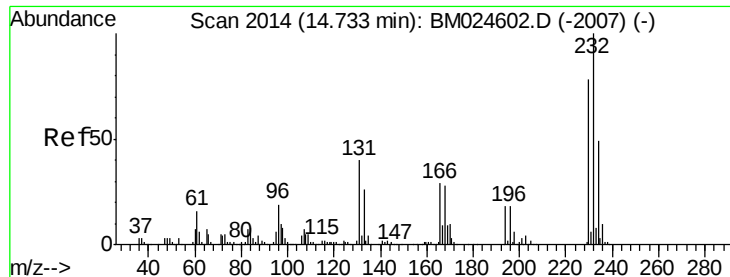
mohammad
1/30/2020 10:18:49 AM



#58
Fluorene
Concen: 35.144 ng
RT: 15.14 min Scan# 2084
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		2263263		
165	96.6	76.6	114.8		
167	13.9	10.8	16.2		





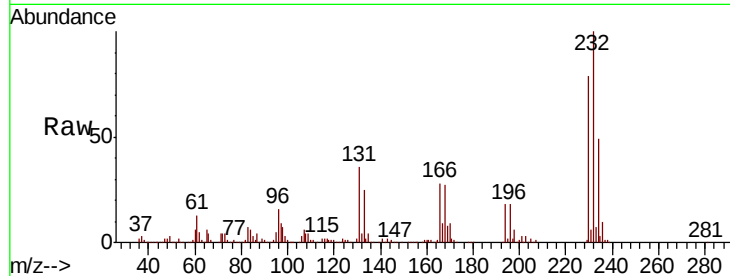
#59
2,3,4,6-Tetrachlorophenol
Concen: 37.339 ng
RT: 14.73 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Instrument :
BNA_M
ClientSampleId :
CL-02-012420MSD

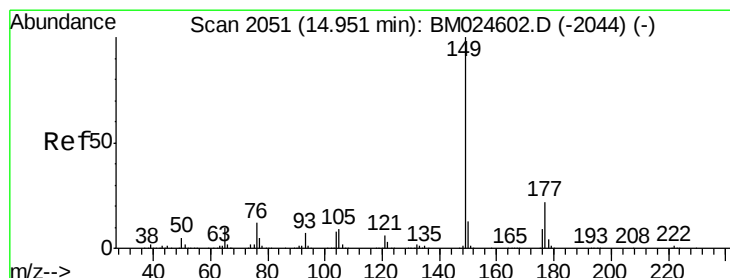
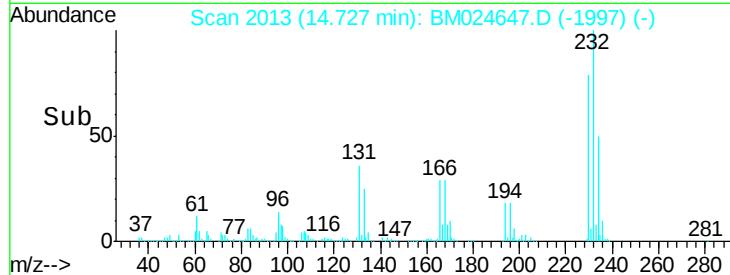
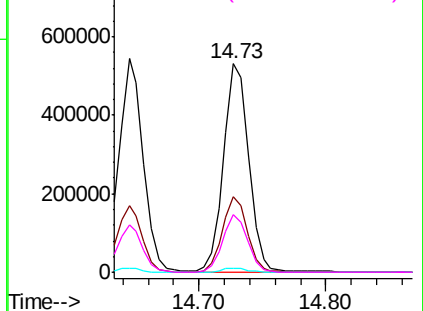
Tot Ion	Ratio	Lower	Upper
232	100		
131	35.6	32.2	48.4
130	2.0	1.9	2.9
166	27.1	23.4	35.0

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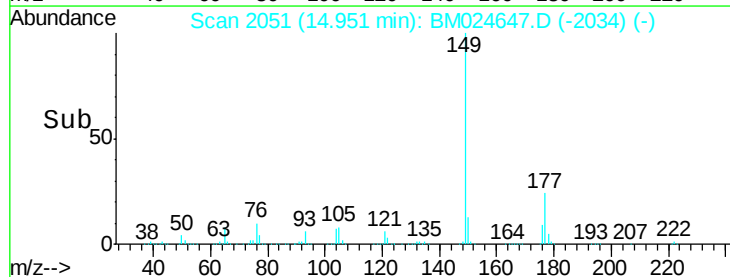
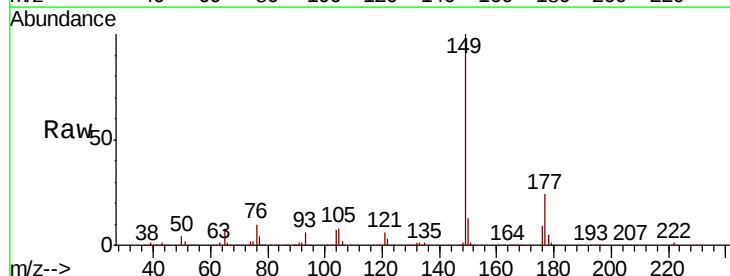
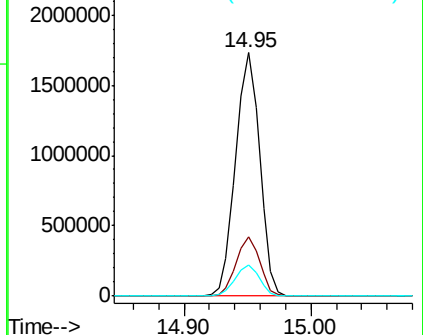
Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

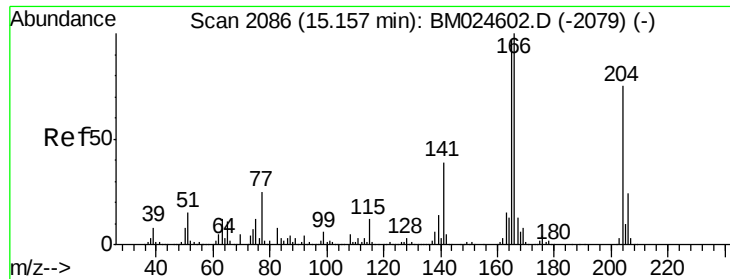


#60
Diethylphthalate
Concen: 33.595 ng
RT: 14.95 min Scan# 2051
Delta R.T. -0.00 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.2	18.0	27.0
150	12.7	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





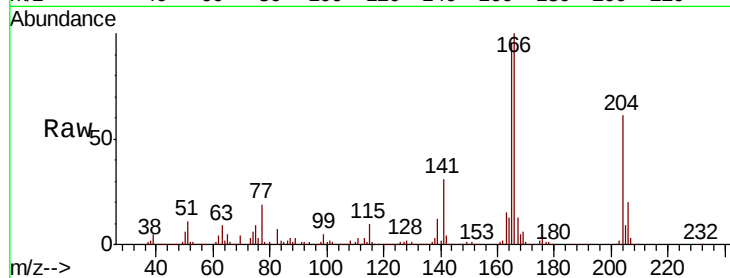
#61
 4-Chlorophenyl-phenylether
 Concen: 35.111 ng
 RT: 15.15 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: BM024647.D
 Acq: 29 Jan 2020 13:17

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-012420MSD

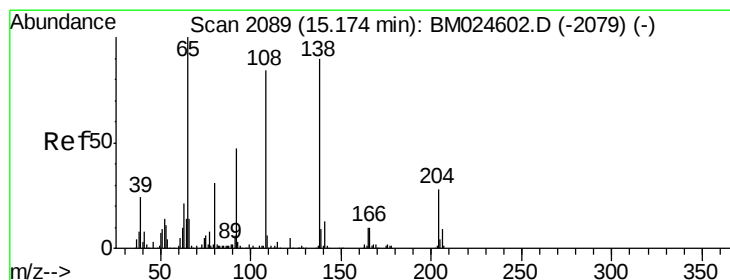
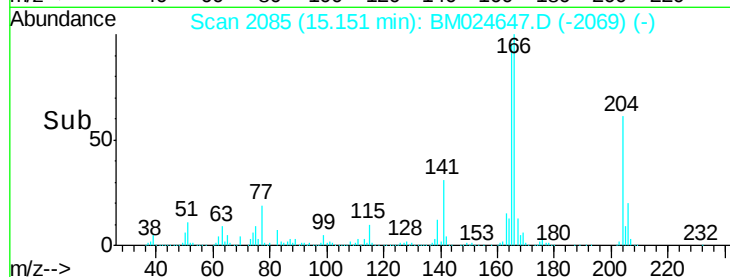
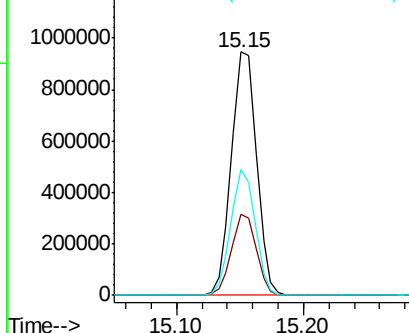
Tot Ion:204 Resp: 1303632
 Ion Ratio Lower Upper
 204 100
 206 33.2 26.2 39.2
 141 51.5 42.2 63.2

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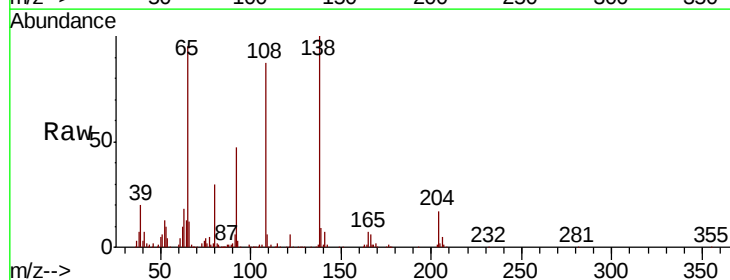


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

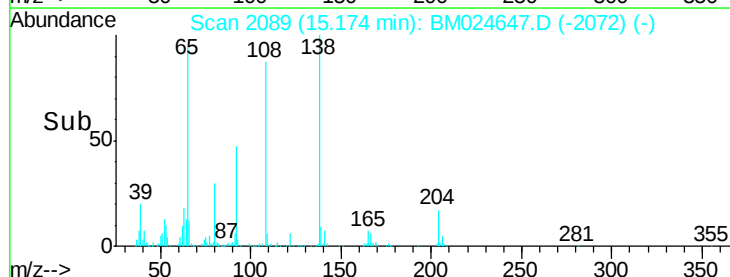
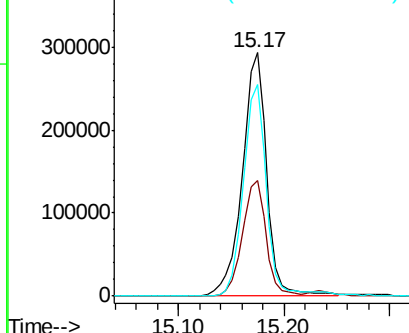


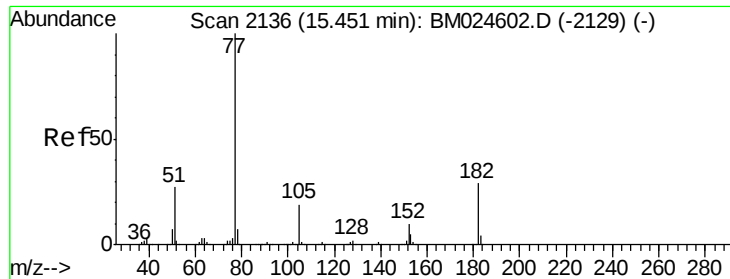
#62
 4-Nitroaniline
 Concen: 28.900 ng
 RT: 15.17 min Scan# 2089
 Delta R.T. -0.00 min
 Lab File: BM024647.D
 Acq: 29 Jan 2020 13:17

Tgt Ion:138 Resp: 470950
 Ion Ratio Lower Upper
 138 100
 92 47.4 32.4 72.4
 108 86.7 73.3 113.3



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BM0
 Ion 108.00 (107.70 to 108.70): E





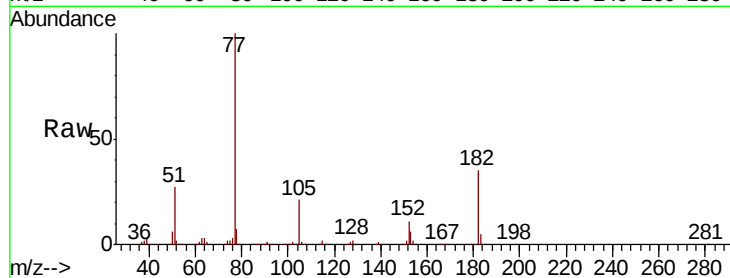
#63
Azobenzene
Concen: 30.517 ng
RT: 15.44 min Scan# 2135
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Instrument :
BNA_M
ClientSampleId :
CL-02-012420MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	34.8	8.7	48.7	
105	20.8	0.0	39.2	
51	26.7	7.5	47.5	

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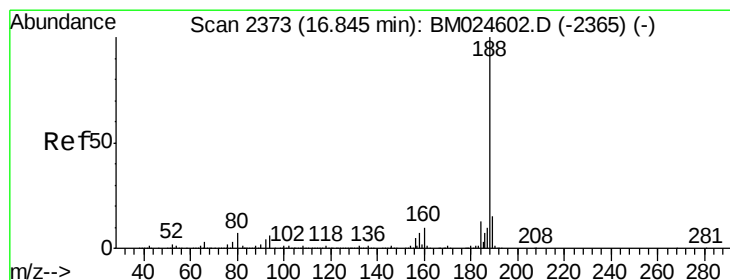
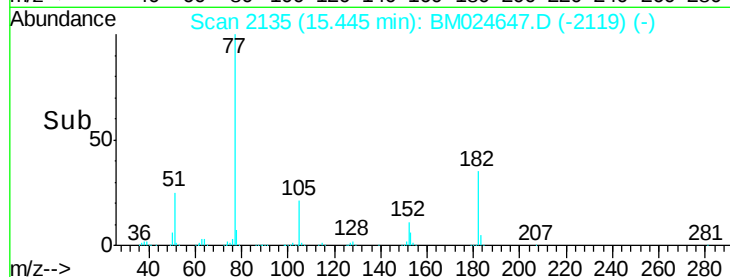
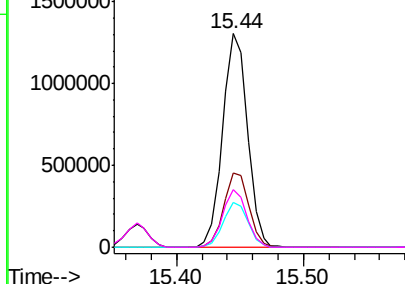


Abundance Ion 77.00 (76.70 to 77.70): BM024647.D (-2119) (-)

Ion 182.00 (181.70 to 182.70): BM024647.D (-2119) (-)

Ion 105.00 (104.70 to 105.70): BM024647.D (-2119) (-)

Ion 51.00 (50.70 to 51.70): BM024647.D (-2119) (-)



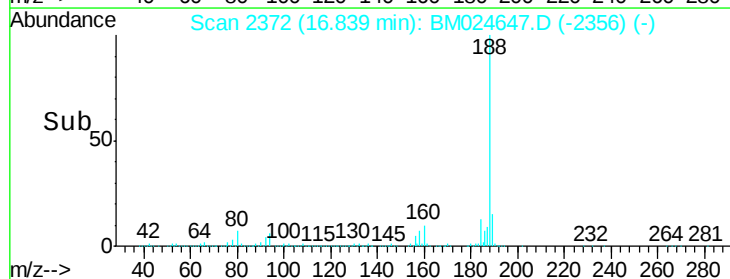
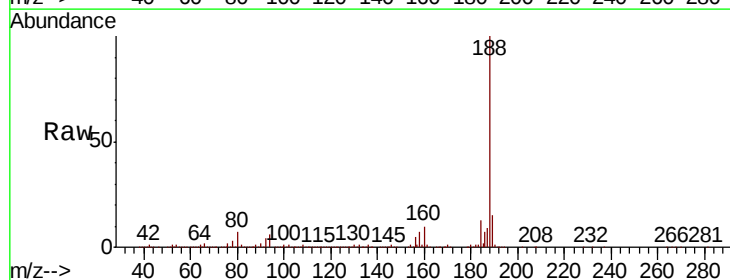
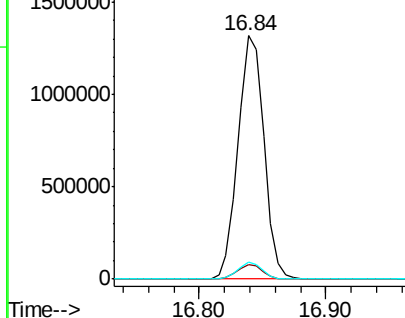
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.84 min Scan# 2372
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

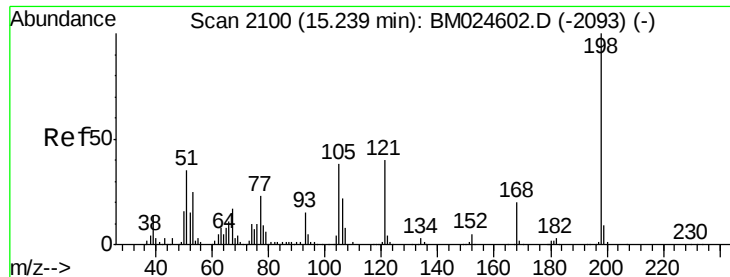
Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	6.0	5.0	7.6	
80	6.8	5.8	8.8	

Abundance Ion 188.00 (187.70 to 188.70): BM024647.D (-2356) (-)

Ion 94.00 (93.70 to 94.70): BM024647.D (-2356) (-)

Ion 80.00 (79.70 to 80.70): BM024647.D (-2356) (-)





#65

4,6-Dinitro-2-methylphenol

Concen: 38.127 ng

RT: 15.23 min Scan# 2099

Delta R.T. -0.01 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

Instrument :

BNA_M

ClientSampleId :

CL-02-012420MSD

Tot Ion:198 Resp: 417742

Ion Ratio Lower Upper

198 100

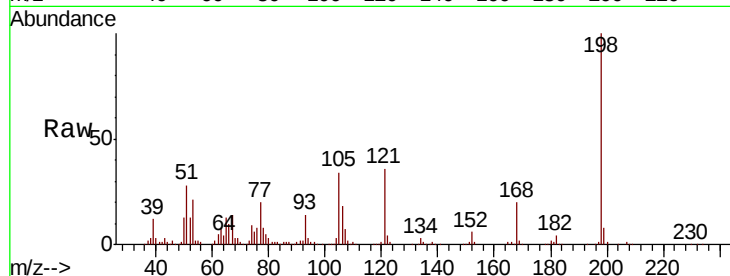
51 28.3 15.8 55.8

105 34.0 18.5 58.5

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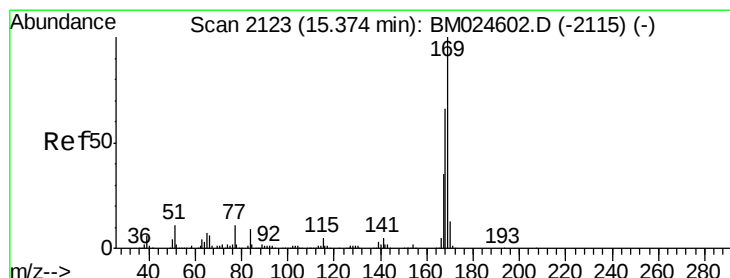
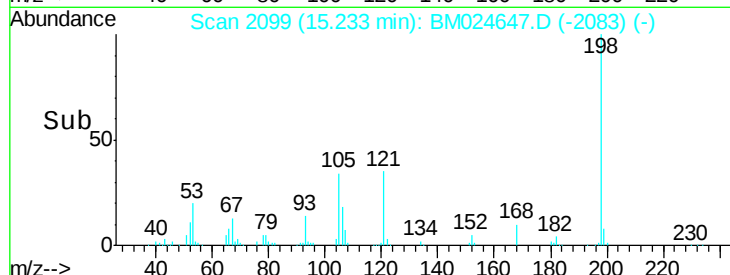
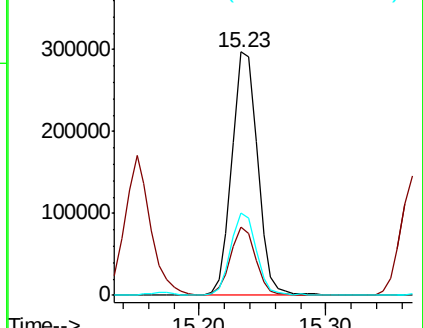
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 37.712 ng

RT: 15.37 min Scan# 2122

Delta R.T. -0.01 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

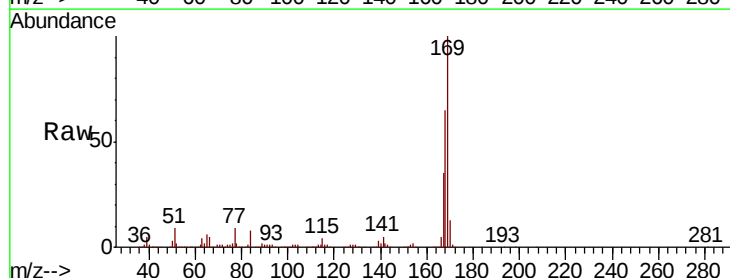
Tgt Ion:169 Resp: 2018593

Ion Ratio Lower Upper

169 100

168 65.2 52.8 79.2

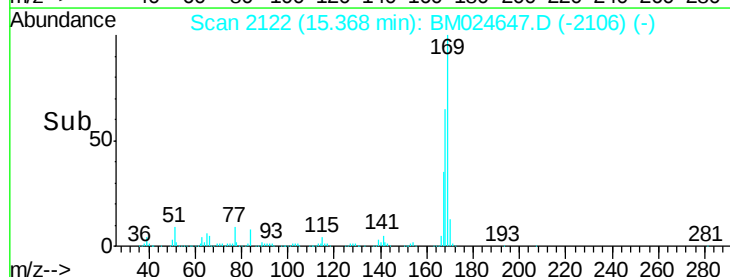
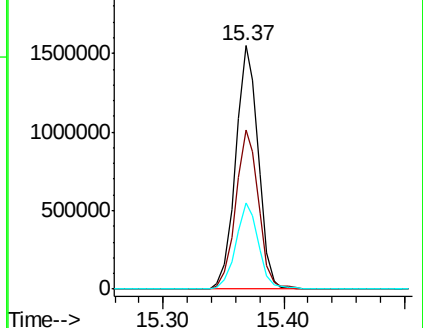
167 35.3 28.2 42.2

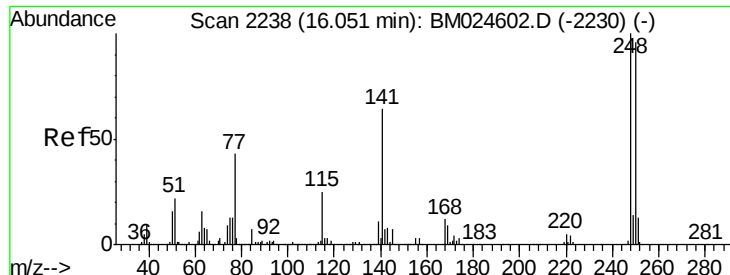


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





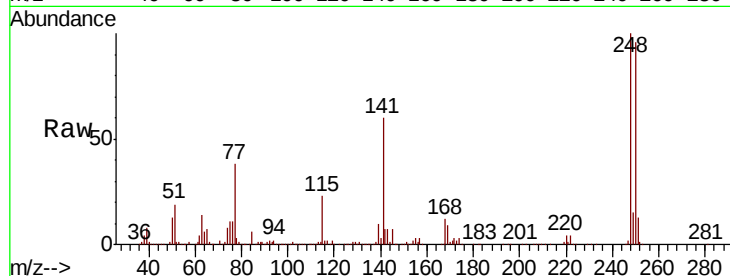
#67
4-Bromophenyl-phenylether
Concen: 37.237 ng
RT: 16.04 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Instrument :
BNA_M
ClientSampleId :
CL-02-012420MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.0	77.0	115.6
141	59.6	50.9	76.3

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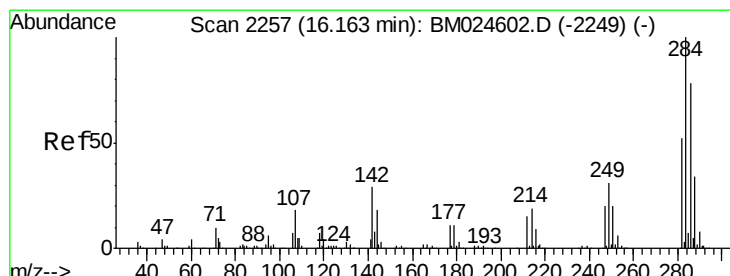
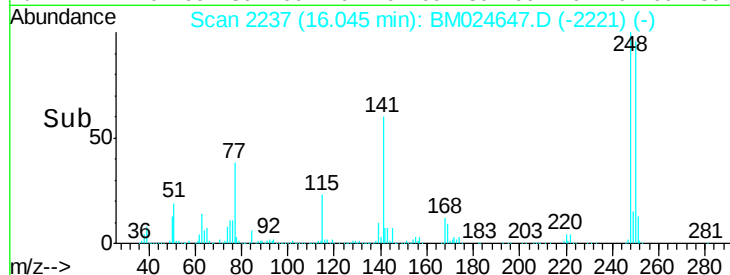
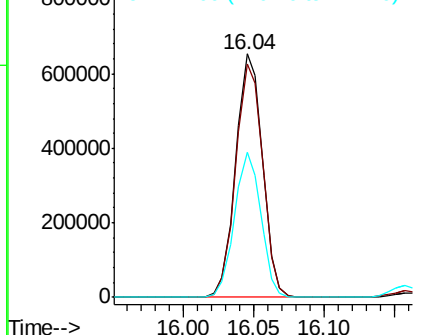


Abundance

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: 37.942 ng
RT: 16.16 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

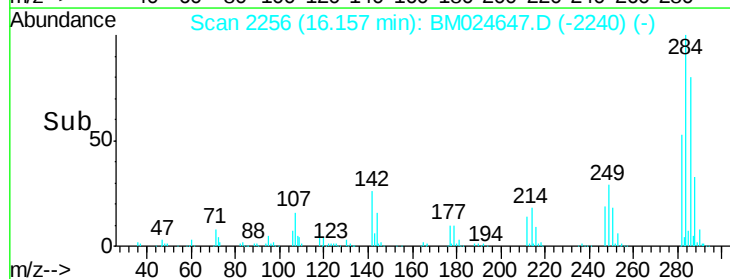
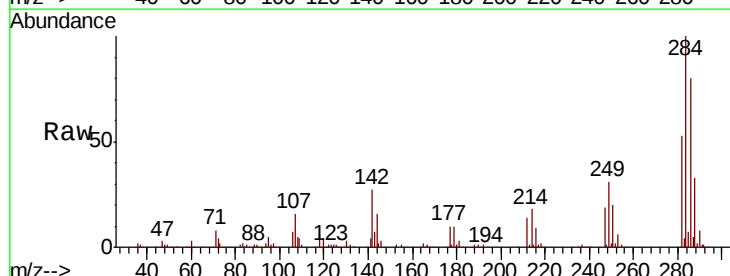
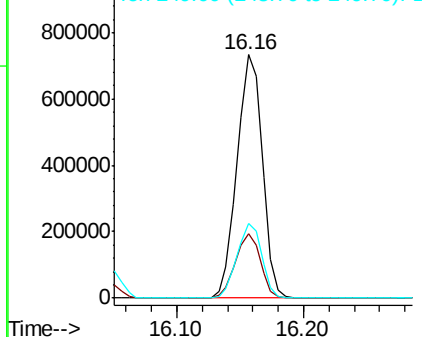
Tgt Ion	Ratio	Lower	Upper
284	100		
142	26.7	23.5	35.3
249	30.8	24.6	36.8

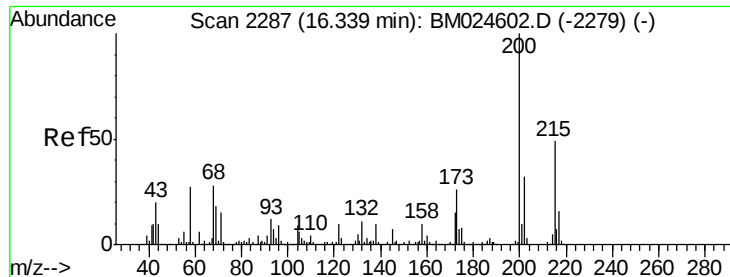
Abundance

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





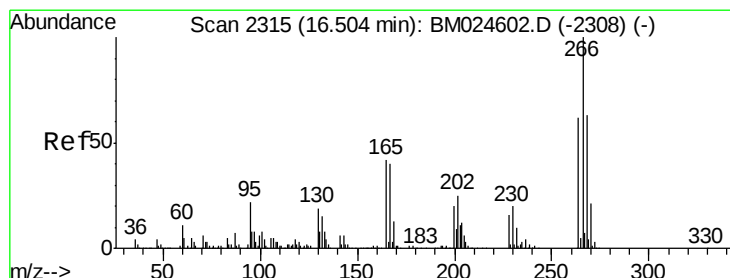
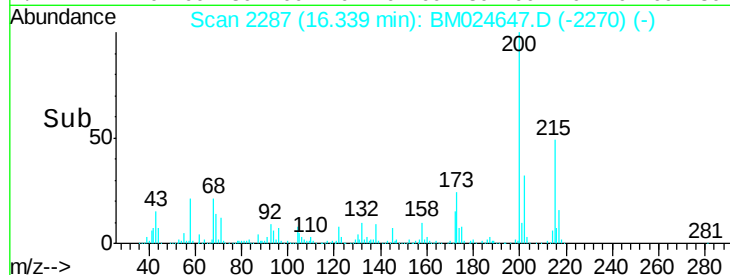
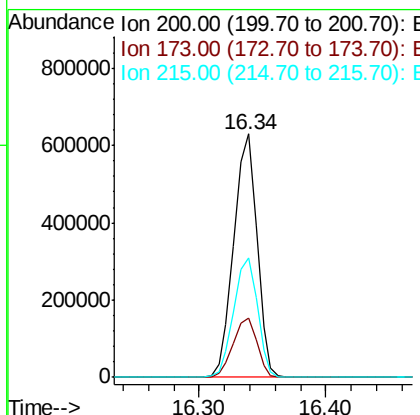
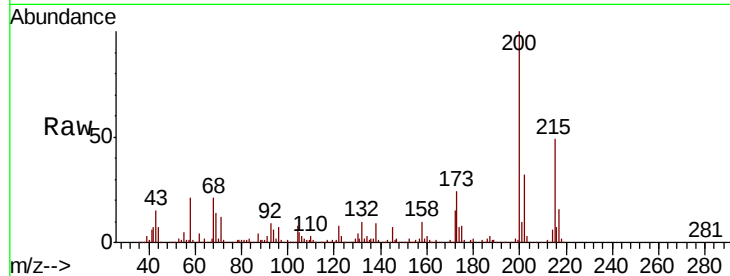
#69
 Atrazine
 Concen: 38.881 ng
 RT: 16.34 min Scan# 2287
 Delta R.T. -0.00 min
 Lab File: BM024647.D
 Acq: 29 Jan 2020 13:17

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-012420MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	798867		
173	24.3	5.5	45.5	
215	48.9	29.4	69.4	

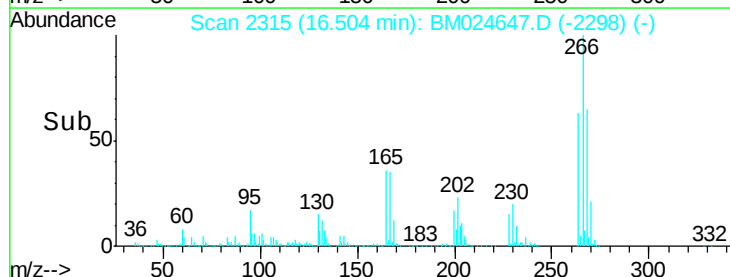
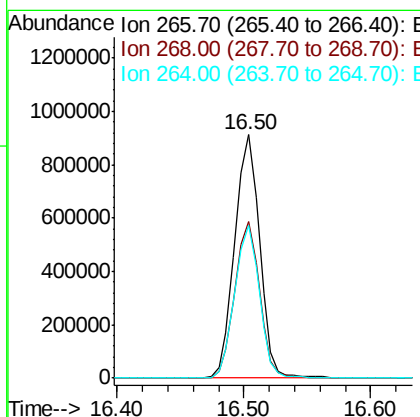
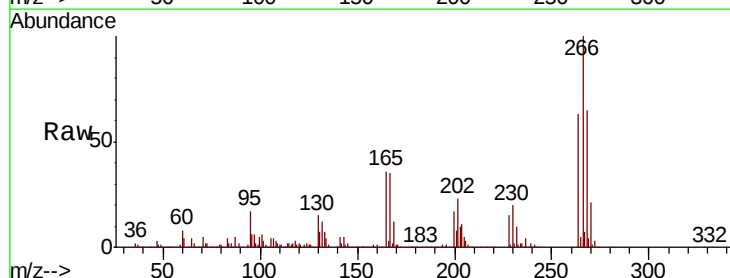
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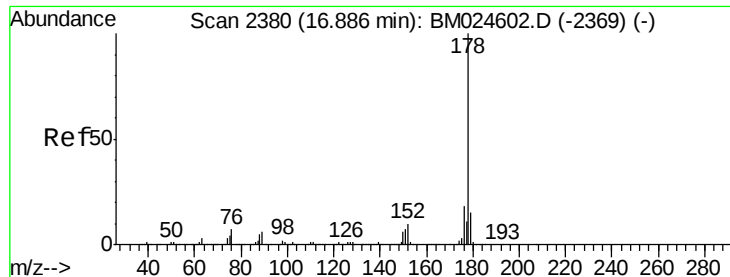
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#70
 Pentachlorophenol
 Concen: 76.771 ng
 RT: 16.50 min Scan# 2315
 Delta R.T. -0.00 min
 Lab File: BM024647.D
 Acq: 29 Jan 2020 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	1243541		
268	64.6	50.4	75.6	
264	62.6	49.9	74.9	





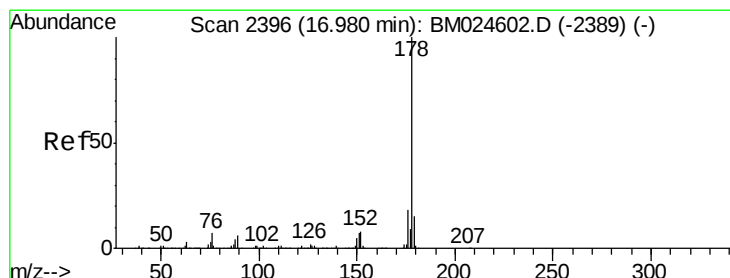
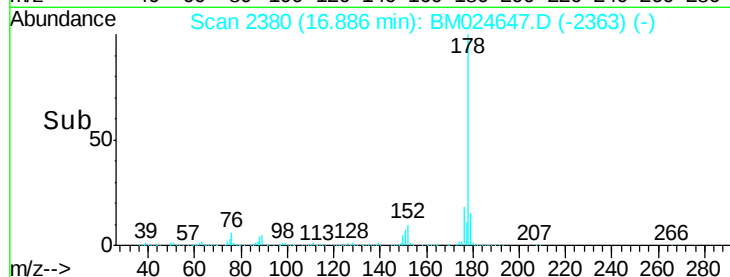
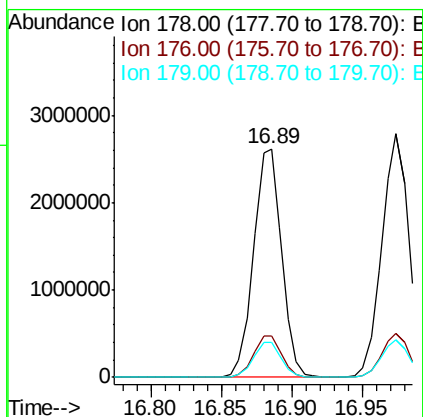
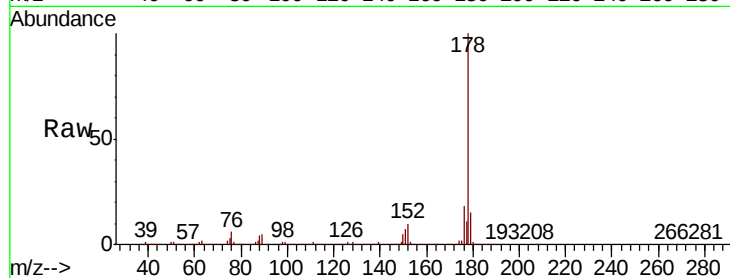
#71
Phenanthrene
Concen: 36.252 ng
RT: 16.89 min Scan# 2380
Delta R.T. -0.00 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Instrument :
BNA_M
ClientSampleId :
CL-02-012420MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.5	21.7
179	15.1	11.9	17.9

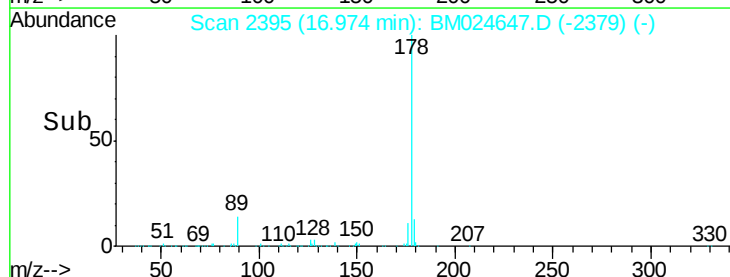
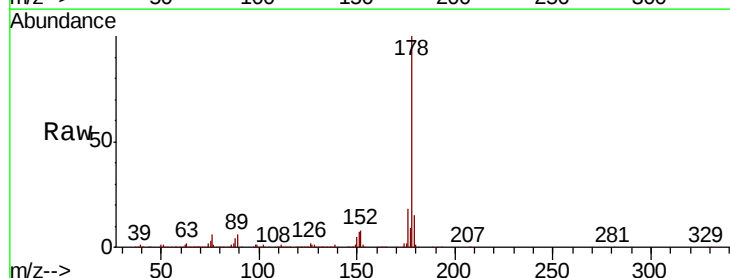
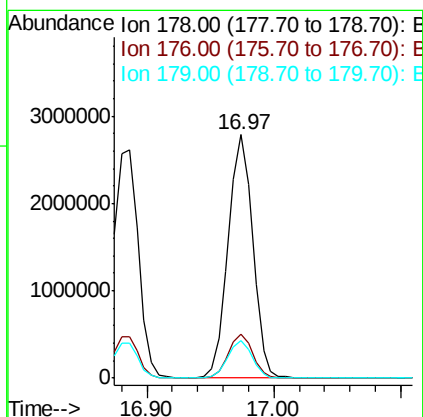
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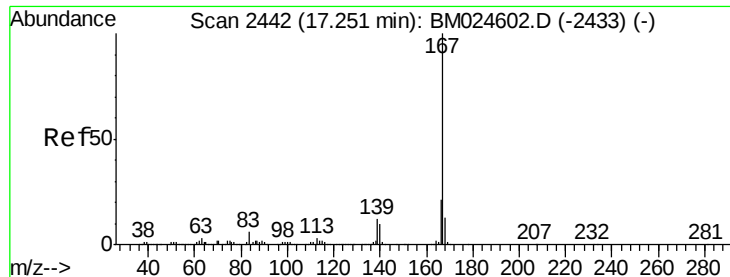
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#72
Anthracene
Concen: 37.776 ng
RT: 16.97 min Scan# 2395
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.3	21.5
179	15.2	12.1	18.1





#73
 Carbazole
 Concen: 35.802 ng
 RT: 17.24 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BM024647.D
 Acq: 29 Jan 2020 13:17

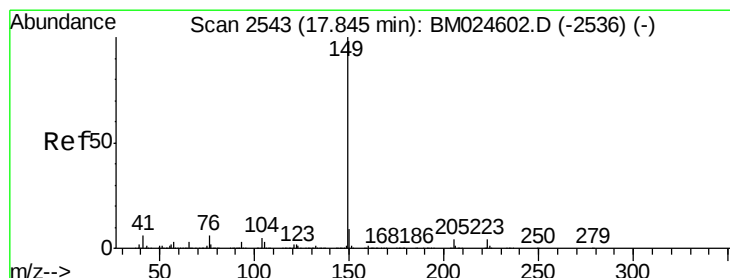
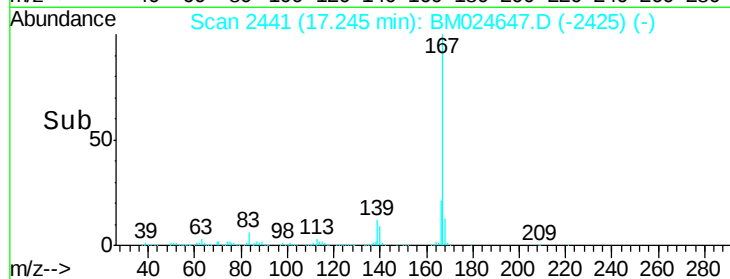
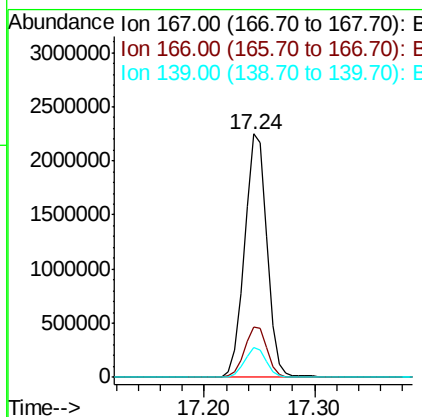
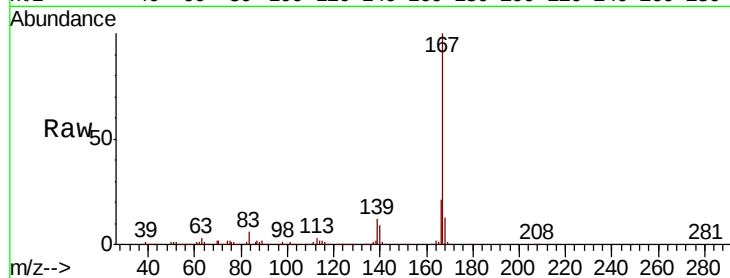
Instrument :
 BNA_M
 ClientSampleId :
 CL-02-012420MSD

Tot Ion:167 Resp: 3218027

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.1	25.7
139	12.1	9.8	14.8

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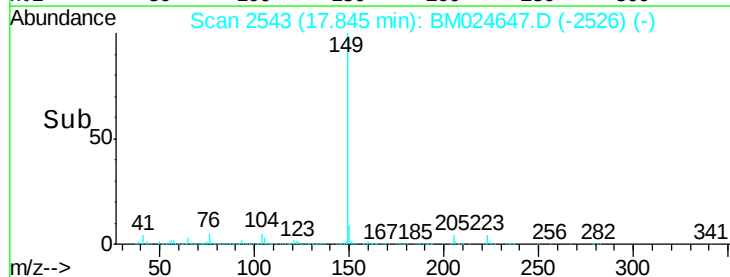
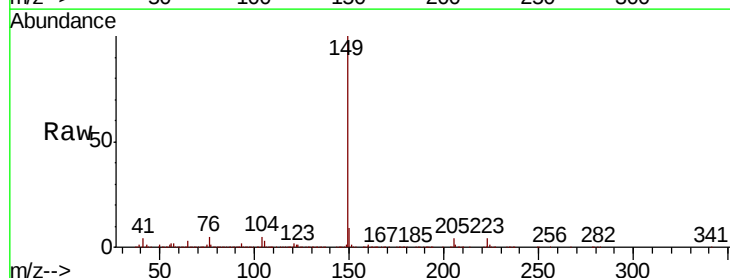
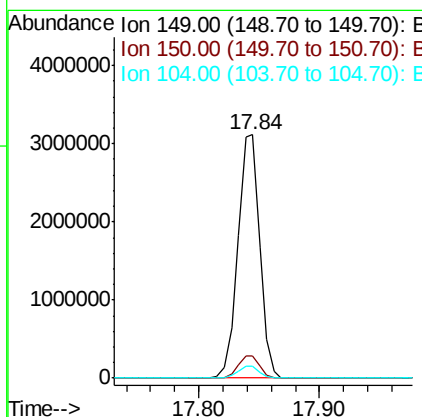
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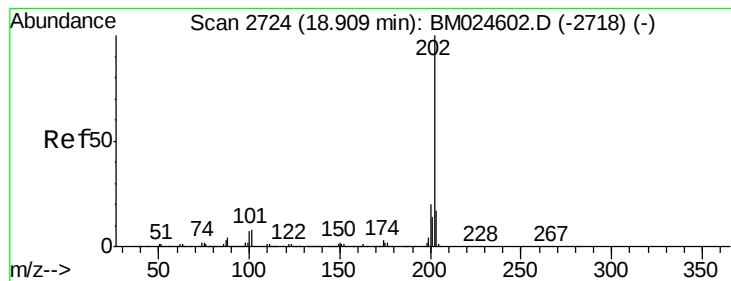


#74
 Di-n-butylphthalate
 Concen: 34.144 ng
 RT: 17.84 min Scan# 2543
 Delta R.T. -0.00 min
 Lab File: BM024647.D
 Acq: 29 Jan 2020 13:17

Tgt Ion:149 Resp: 3923432

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	4.8	4.3	6.5





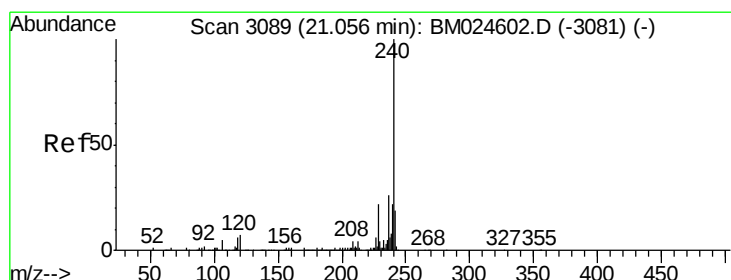
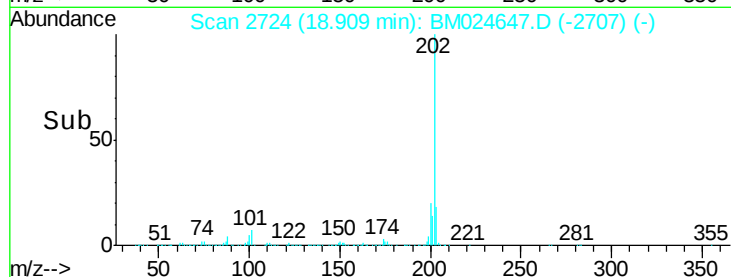
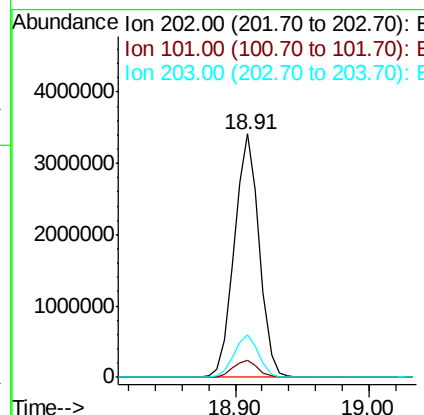
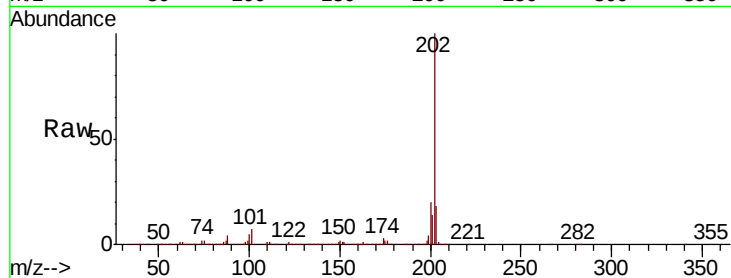
#75
 Fluoranthene
 Concen: 35.270 ng
 RT: 18.91 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: BM024647.D
 Acq: 29 Jan 2020 13:17

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-012420MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	7.2	0.0	28.4
203	17.5	0.0	37.5

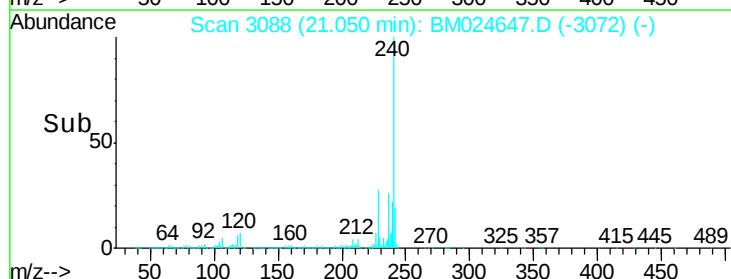
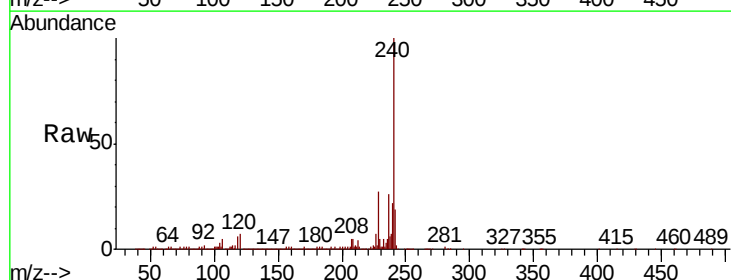
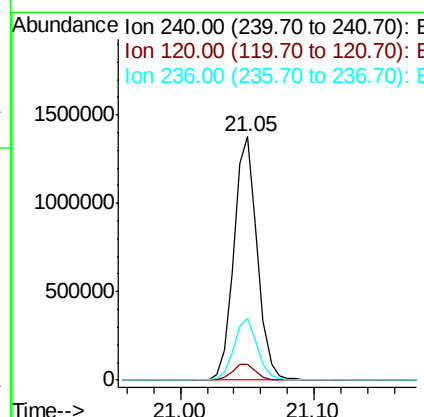
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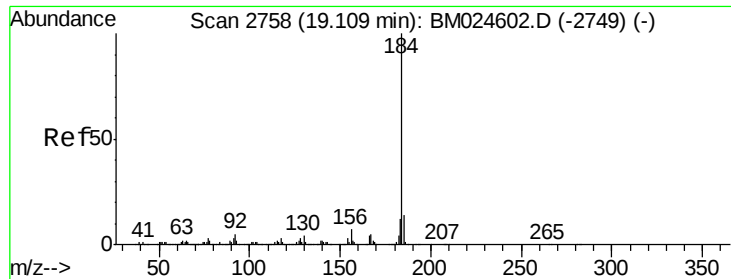
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.05 min Scan# 3088
 Delta R.T. -0.01 min
 Lab File: BM024647.D
 Acq: 29 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.7	5.3	7.9
236	25.6	20.6	31.0





#77

Benzidine

Concen: 34.399 ng

RT: 19.10 min Scan# 2757

Delta R.T. -0.01 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

Instrument :

BNA_M

ClientSampleId :

CL-02-012420MSD

Tot Ion:184 Resp: 1353269

Ion Ratio Lower Upper

184 100

185 14.6 11.3 16.9

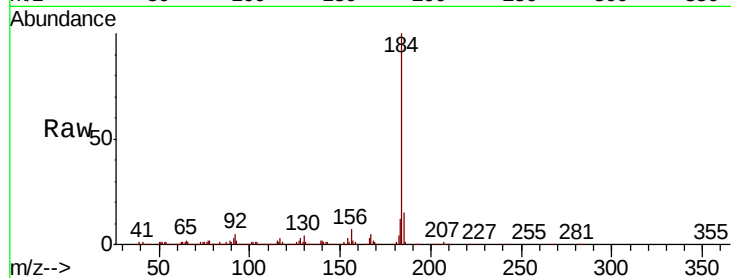
183 11.9 9.6 14.4

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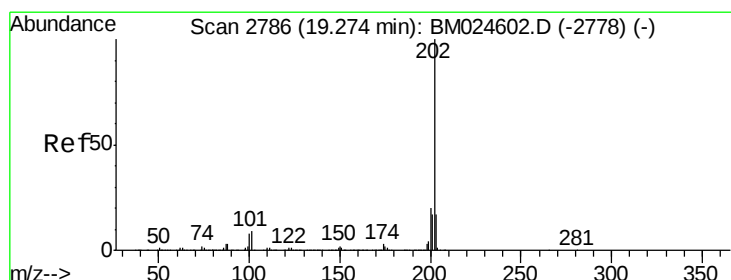
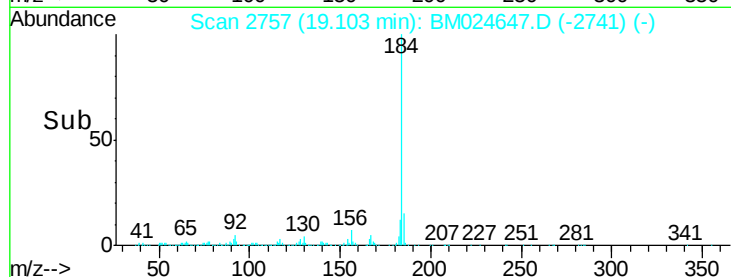
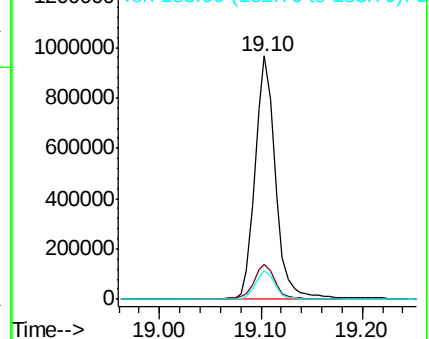
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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 40.299 ng

RT: 19.27 min Scan# 2786

Delta R.T. -0.00 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

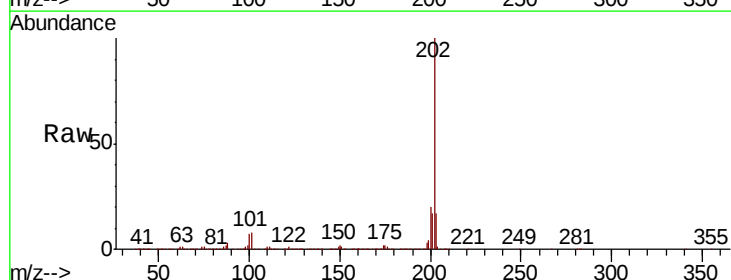
Tgt Ion:202 Resp: 4487658

Ion Ratio Lower Upper

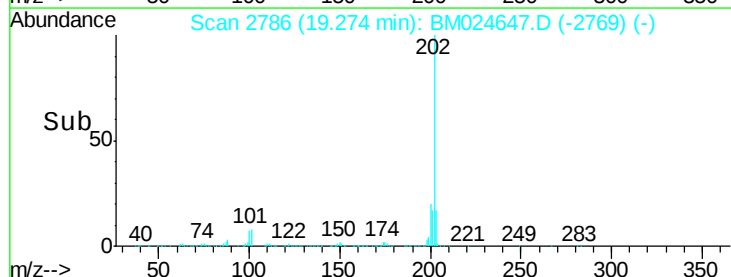
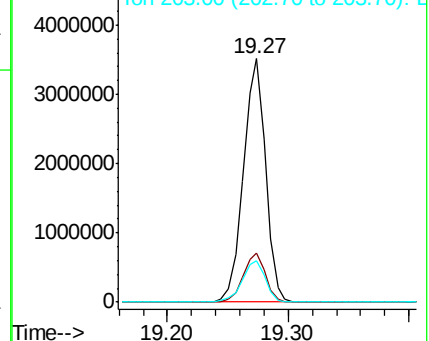
202 100

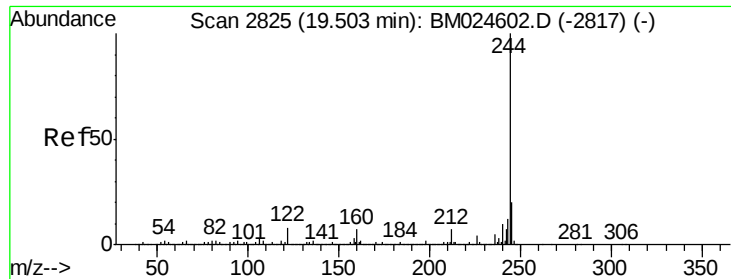
200 20.1 16.2 24.2

203 17.2 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





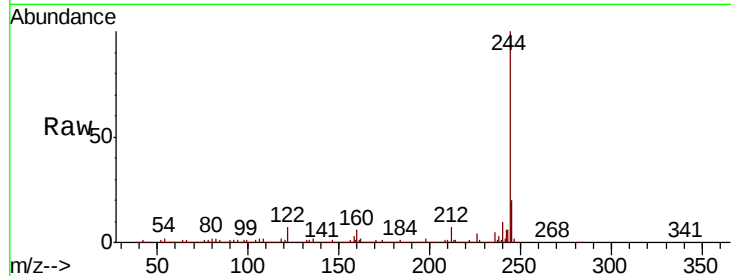
#79
 Terphenyl-d14
 Concen: 84.393 ng
 RT: 19.50 min Scan# 2824
 Delta R.T. -0.01 min
 Lab File: BM024647.D
 Acq: 29 Jan 2020 13:17

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-012420MSD

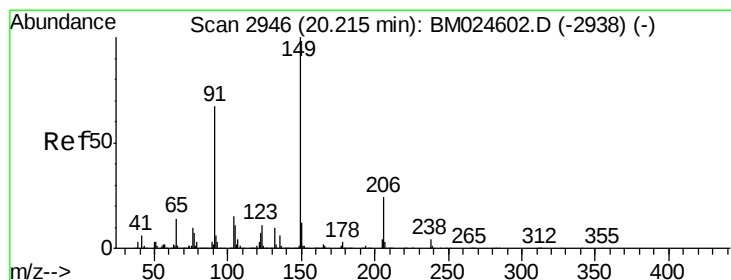
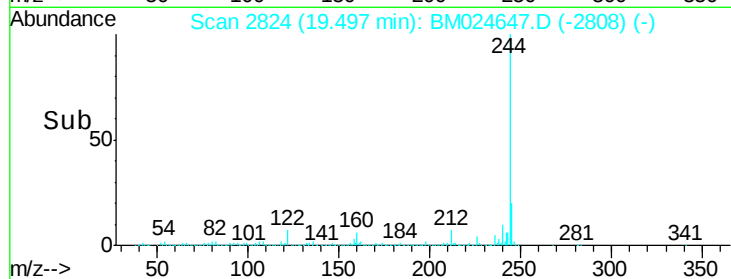
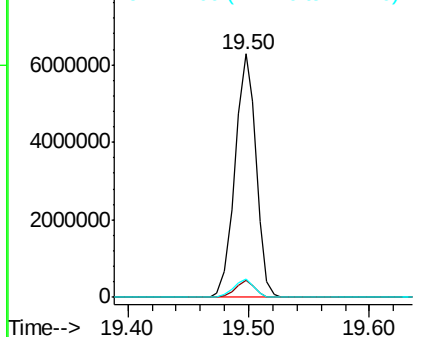
Tot Ion:244 Resp: 7636165
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 7.4 6.2 9.4

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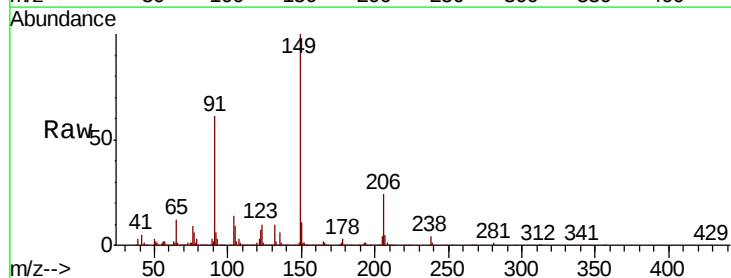


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

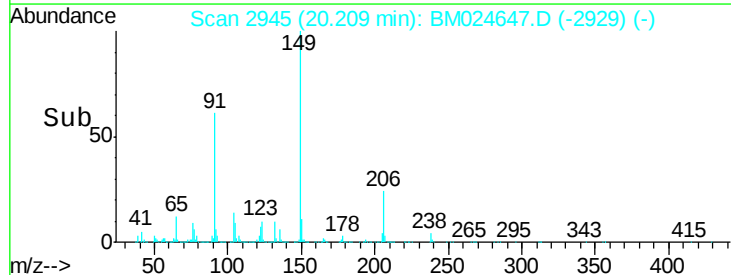
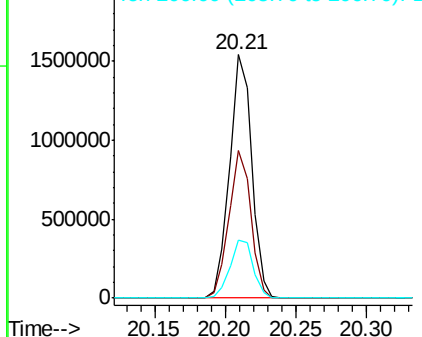


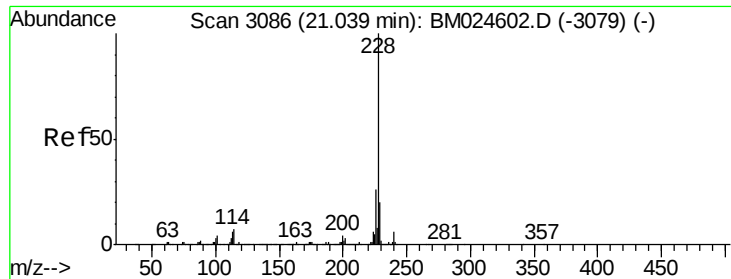
#80
 Butylbenzylphthalate
 Concen: 36.193 ng
 RT: 20.21 min Scan# 2945
 Delta R.T. -0.01 min
 Lab File: BM024647.D
 Acq: 29 Jan 2020 13:17

Tgt Ion:149 Resp: 1691225
 Ion Ratio Lower Upper
 149 100
 91 60.9 53.9 80.9
 206 23.9 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: 36.344 ng

RT: 21.03 min Scan# 3085

Delta R.T. -0.01 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

Instrument :

BNA_M

ClientSampleId :

CL-02-012420MSD

Tot Ion:228 Resp: 4261046

Ion Ratio Lower Upper

228 100

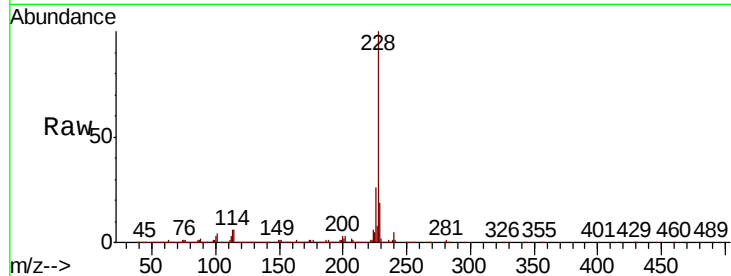
226 25.9 21.1 31.7

229 19.5 15.8 23.6

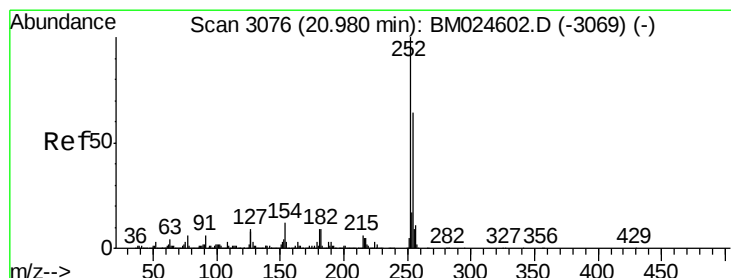
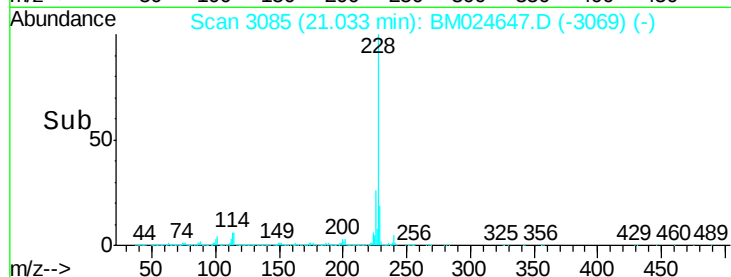
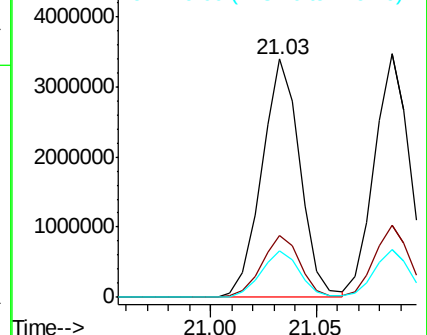
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 22.915 ng

RT: 20.97 min Scan# 3075

Delta R.T. -0.01 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

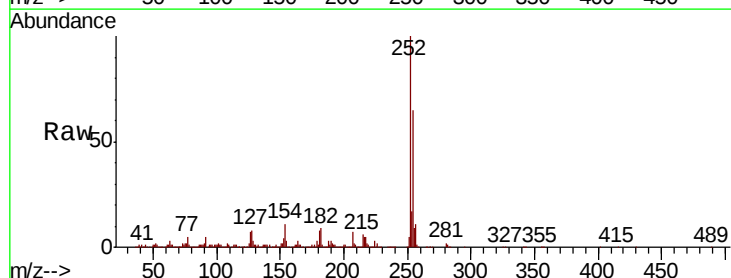
Tgt Ion:252 Resp: 966424

Ion Ratio Lower Upper

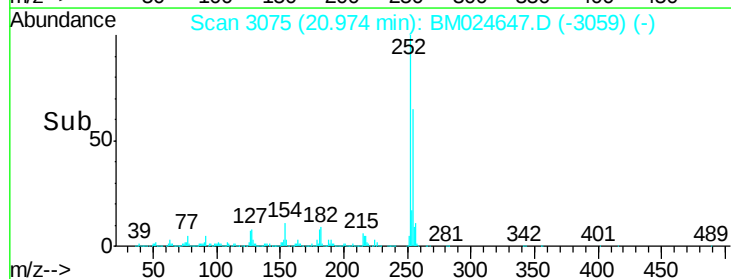
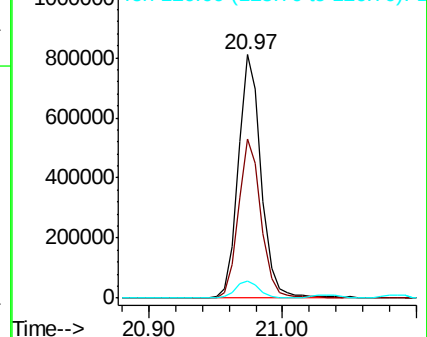
252 100

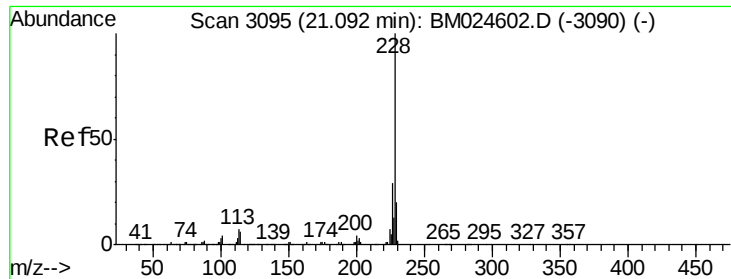
254 65.2 51.5 77.3

126 7.2 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





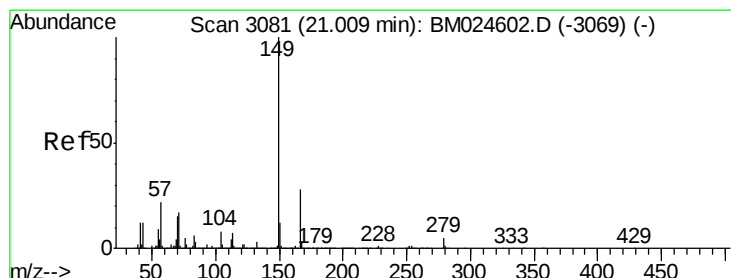
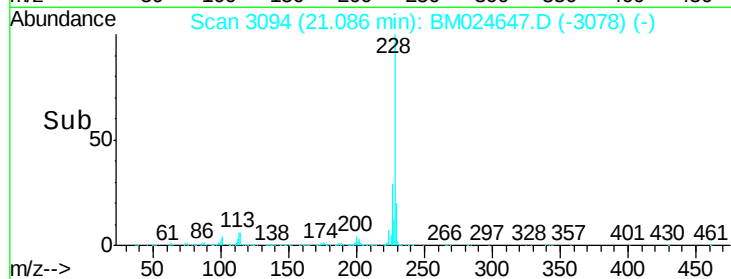
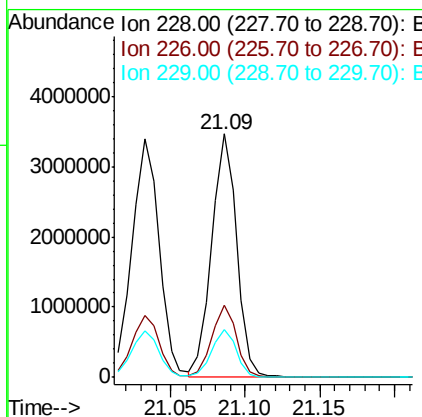
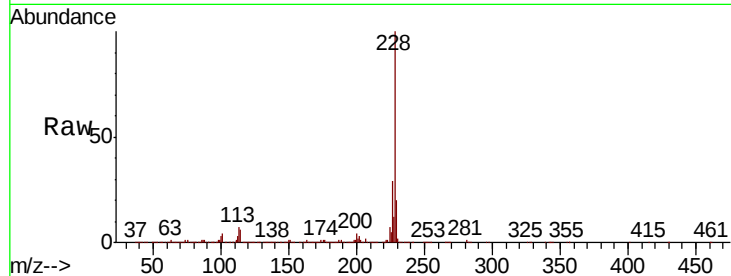
#83
Chrysene
Concen: 36.159 ng
RT: 21.09 min Scan# 3094
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Instrument :
BNA_M
ClientSampleId :
CL-02-012420MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.2	34.8
229	19.7	15.7	23.5

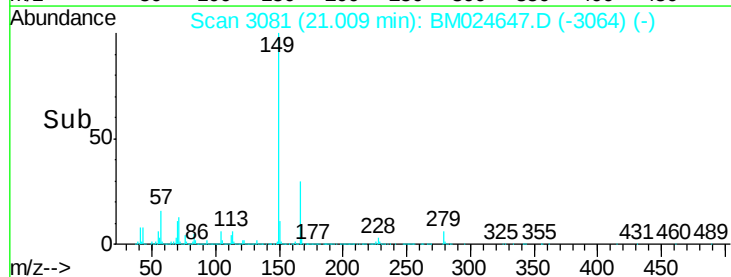
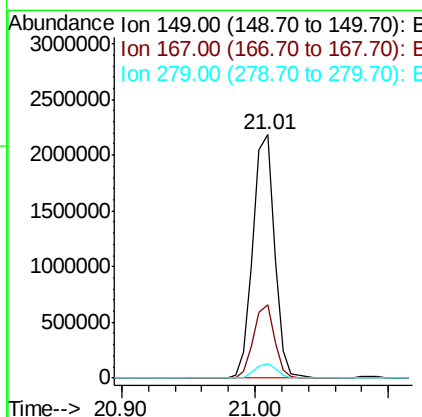
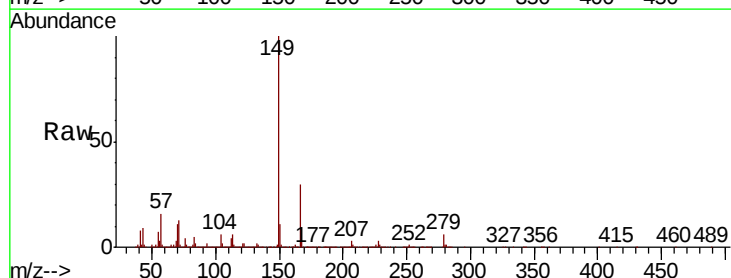
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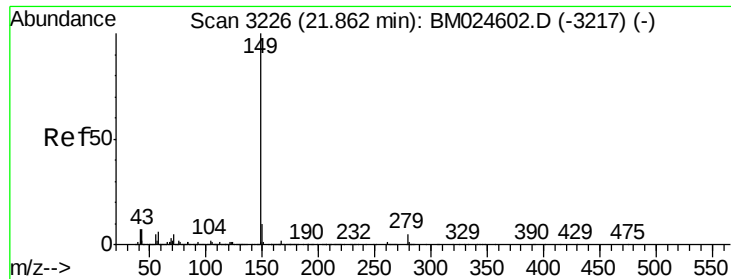
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#84
Bis(2-ethylhexyl)phthalate
Concen: 35.126 ng
RT: 21.01 min Scan# 3081
Delta R.T. -0.00 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.9	22.5	33.7
279	6.2	4.0	6.0





#85

Di-n-octyl phthalate

Concen: 33.614 ng

RT: 21.86 min Scan# 3225

Delta R.T. -0.01 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

Instrument :

BNA_M

ClientSampleId :

CL-02-012420MSD

Tot Ion:149 Resp: 3829035

Ion Ratio Lower Upper

149 100

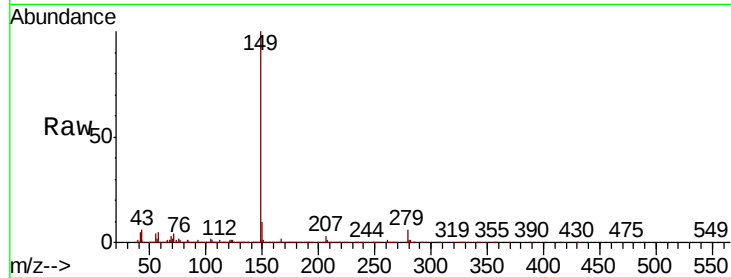
167 1.7 1.3 1.9

43 5.6 5.8 8.6#

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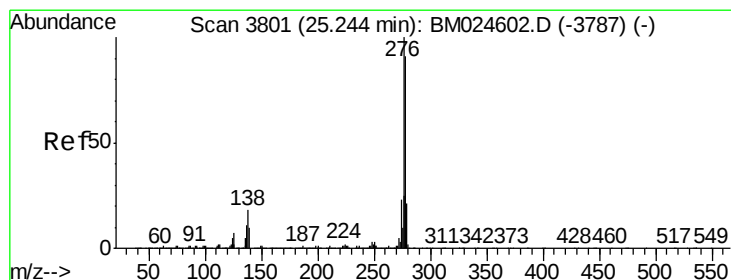
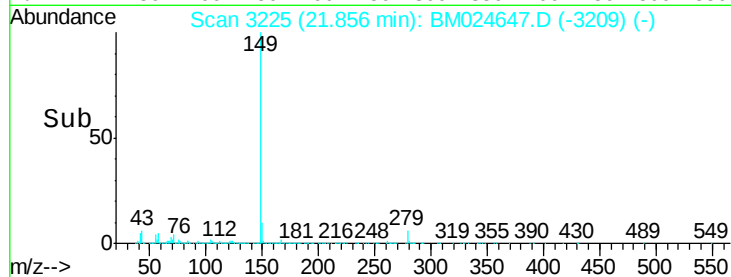
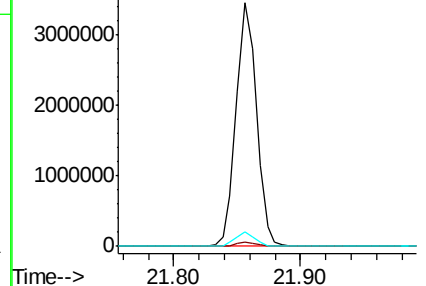
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#86

Indeno(1,2,3-cd)pyrene

Concen: 32.316 ng

RT: 25.23 min Scan# 3798

Delta R.T. -0.02 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

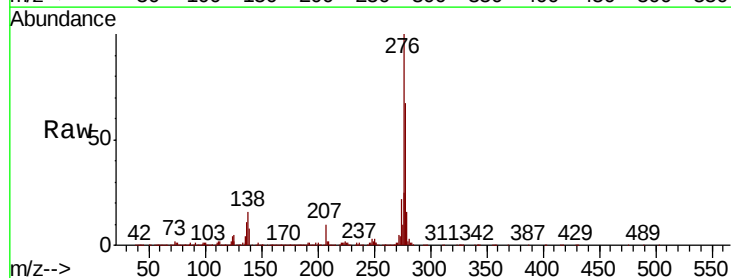
Tgt Ion:276 Resp: 3940486

Ion Ratio Lower Upper

276 100

138 16.2 13.4 20.0

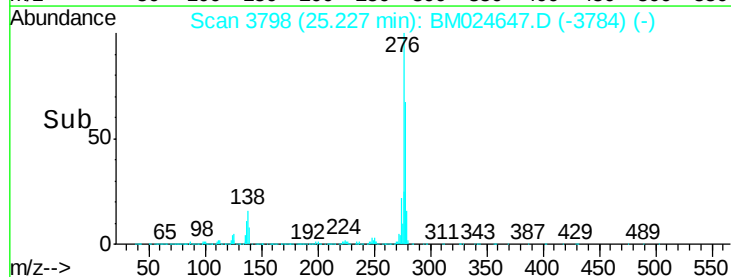
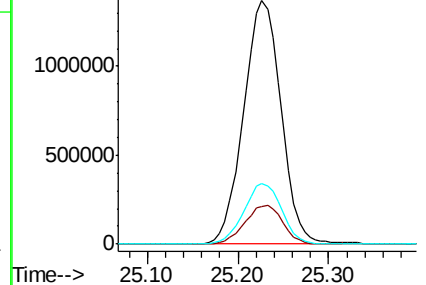
277 25.2 19.6 29.4

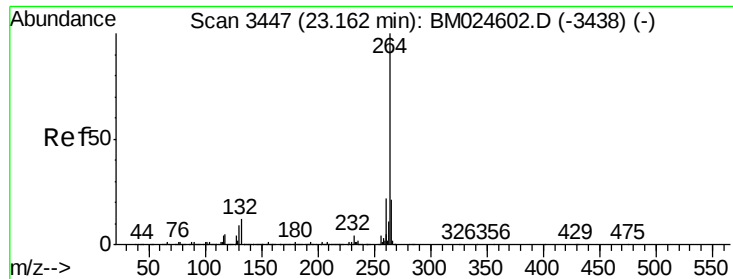


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.16 min Scan# 3446

Delta R.T. -0.01 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

Instrument :

BNA_M

ClientSampleId :

CL-02-012420MSD

Tot Ion:264 Resp: 1585424

Ion Ratio Lower Upper

264 100

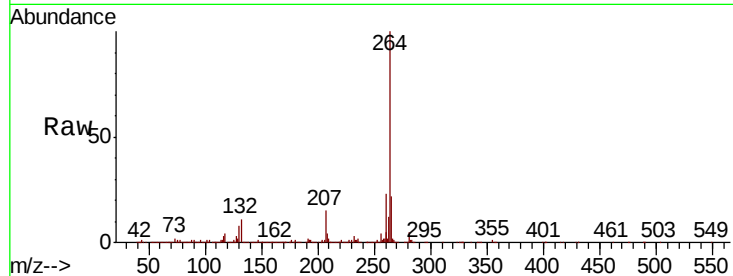
260 23.3 17.9 26.9

265 22.3 17.3 25.9

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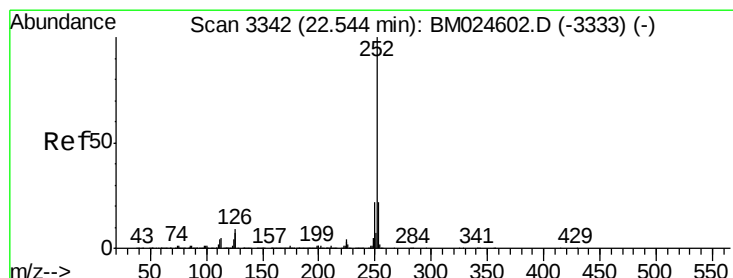
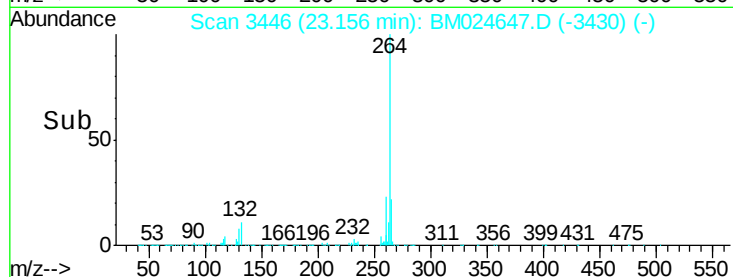
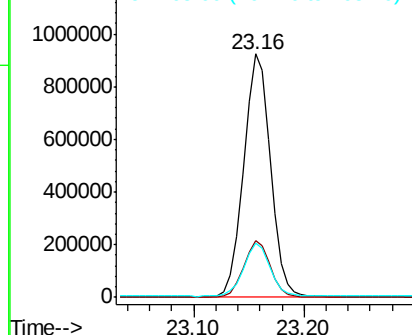


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 38.707 ng

RT: 22.54 min Scan# 3341

Delta R.T. -0.01 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

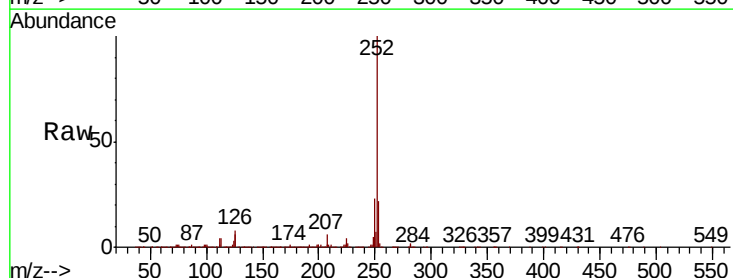
Tgt Ion:252 Resp: 3980113

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 6.5 5.7 8.5

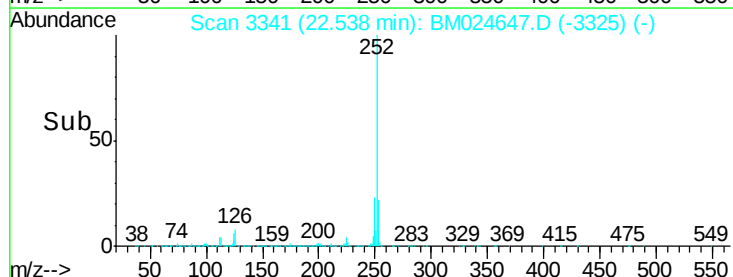
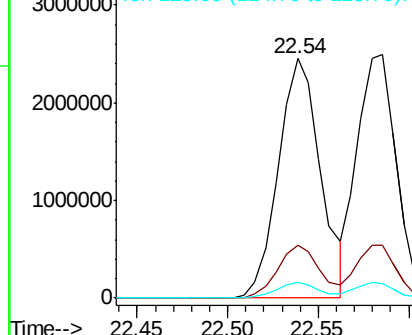


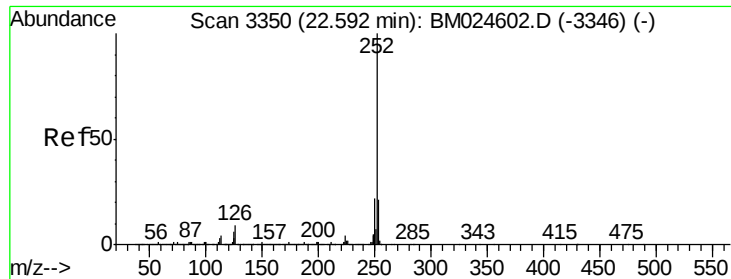
Abundance

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





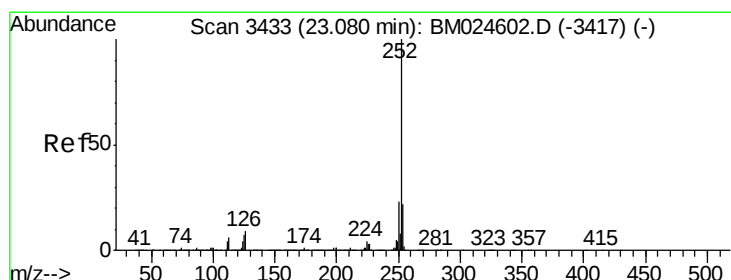
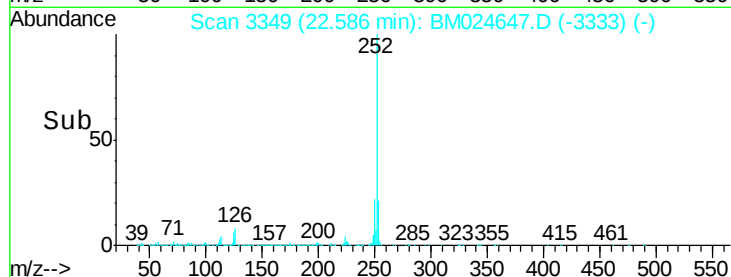
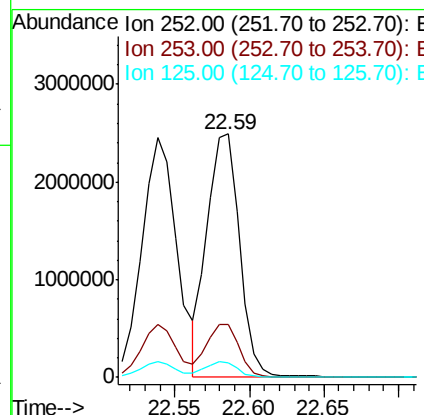
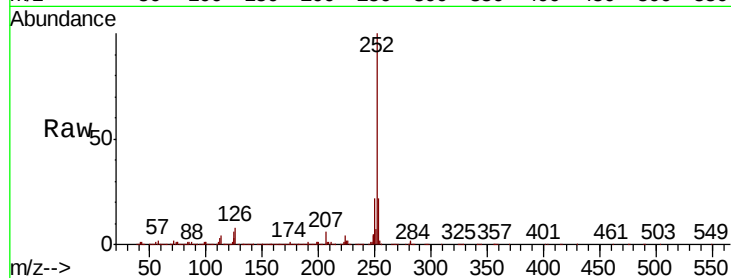
#89
Benzo(k)fluoranthene
Concen: 37.363 ng
RT: 22.59 min Scan# 3349
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Instrument :
BNA_M
ClientSampleId :
CL-02-012420MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	6.1	5.2	7.8

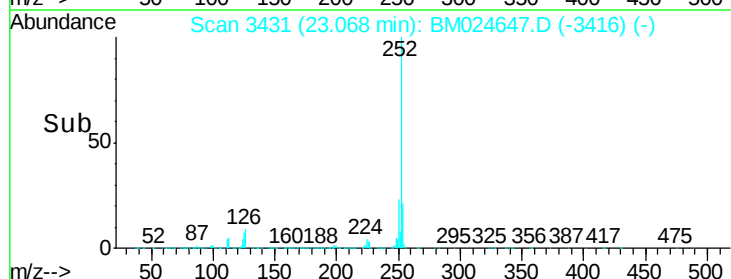
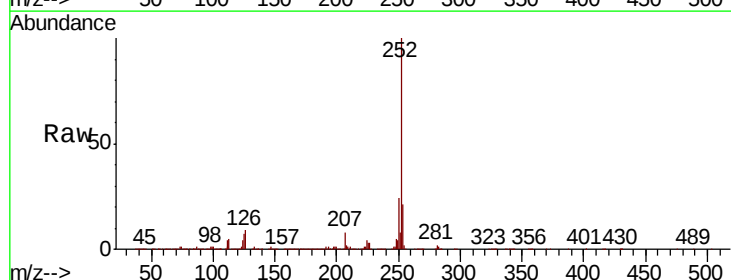
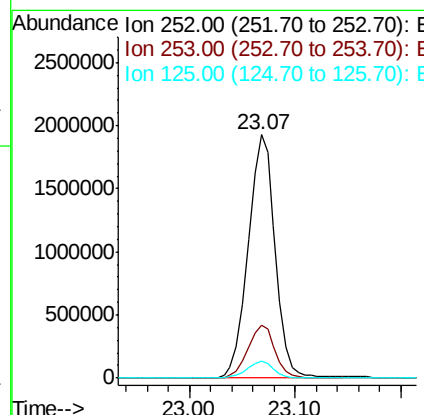
Manual Integrations
APPROVED

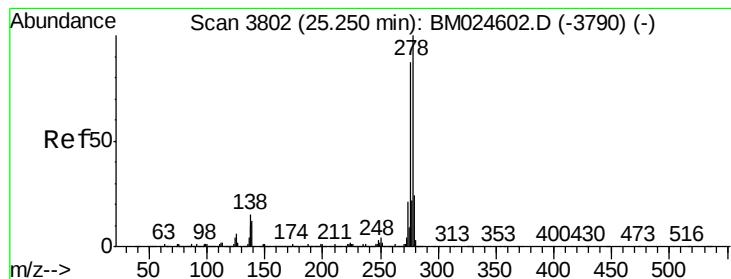
mohammad
1/30/2020 10:18:49 AM



#90
Benzo(a)pyrene
Concen: 36.370 ng
RT: 23.07 min Scan# 3431
Delta R.T. -0.01 min
Lab File: BM024647.D
Acq: 29 Jan 2020 13:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	6.9	5.8	8.8





#91

Dibenzo(a,h)anthracene

Concen: 37.671 ng

RT: 25.24 min Scan# 3800

Delta R.T. -0.01 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

Instrument :

BNA_M

ClientSampleId :

CL-02-012420MSD

Tot Ion:278 Resp: 3342637

Ion Ratio Lower Upper

278 100

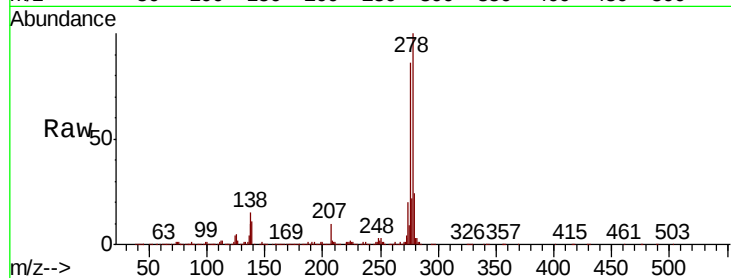
139 10.7 9.3 13.9

279 23.6 18.9 28.3

Manual Integrations
APPROVED

mohammad

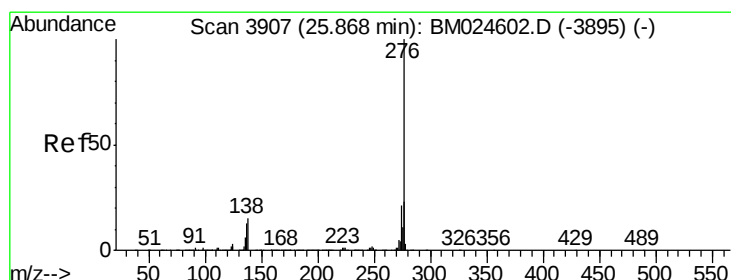
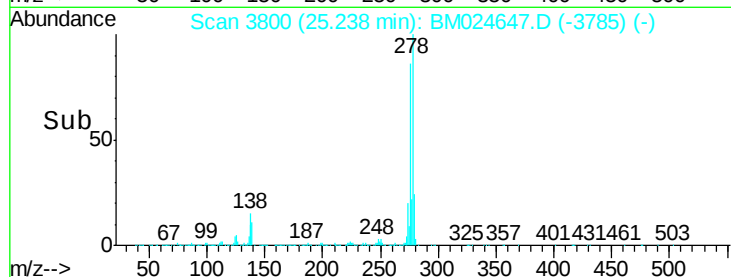
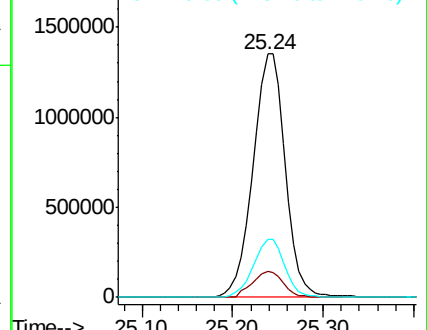
1/30/2020 10:18:49 AM



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: 40.521 ng

RT: 25.86 min Scan# 3905

Delta R.T. -0.01 min

Lab File: BM024647.D

Acq: 29 Jan 2020 13:17

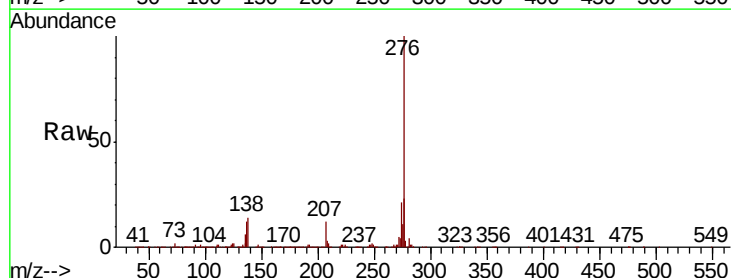
Tgt Ion:276 Resp: 3264814

Ion Ratio Lower Upper

276 100

277 23.3 18.6 28.0

138 13.7 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

