

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041520\
 Data File : BF120012.D
 Acq On : 16 Apr 2020 00:37
 Operator : MA/SJ
 Sample : L2244-12MSD
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-23-22-COMPMSD

Manual Integrations
 APPROVED

mohammad
 4/16/2020 12:53:00 PM

Quant Time: Apr 16 05:01:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 11:01:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	178416	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	698432	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	359993	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	683370	20.00	ng	0.00
76) Chrysene-d12	13.90	240	446435	20.00	ng	0.00
87) Perylene-d12	15.32	264	358635	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.34	112	1663676	161.15	ng	0.01
7) Phenol-d6	6.37	99	2293925	172.44	ng	0.00
23) Nitrobenzene-d5	7.30	82	1495270	110.76	ng	0.00
42) 2,4,6-Tribromophenol	10.57	330	676239	153.43	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	2761579	108.91	ng	0.00
79) Terphenyl-d14	12.85	244	3466279	130.65	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.43	88	214091	46.559	ng	95
3) Pyridine	3.13	79	587308	46.552	ng	96
4) n-Nitrosodimethylamine	3.09	42	322071	49.965	ng	94
6) Aniline	6.39	93	726061	41.584	ng	98
8) 2-Chlorophenol	6.51	128	666194	57.753	ng	98
9) Benzaldehyde	6.27	77	295498	42.551	ng	97
10) Phenol	6.39	94	819460	54.298	ng	90
11) bis(2-Chloroethyl)ether	6.47	93	628617	53.946	ng	99
12) 1,3-Dichlorobenzene	6.67	146	648700	51.367	ng	98
13) 1,4-Dichlorobenzene	6.75	146	655908	50.987	ng	98
14) 1,2-Dichlorobenzene	6.90	146	613027	51.708	ng	98
15) Benzyl Alcohol	6.87	79	530536	51.347	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.01	45	1095618	48.317	ng	98
17) 2-Methylphenol	6.99	107	540022	52.459	ng	98
18) Hexachloroethane	7.24	117	251544	52.321	ng	95
19) n-Nitroso-di-n-propylamine	7.16	70	458278	53.572	ng	96
20) 3+4-Methylphenols	7.15	107	645652	51.283	ng	95
22) Acetophenone	7.15	105	861466	52.673	ng	97
24) Nitrobenzene	7.32	77	676055	49.779	ng	99
25) Isophorone	7.56	82	1292440	49.661	ng	98
26) 2-Nitrophenol	7.63	139	363290	53.542	ng	99
27) 2,4-Dimethylphenol	7.67	122	552485	53.989	ng	97
28) bis(2-Chloroethoxy)methane	7.77	93	814923	53.213	ng	99
29) 2,4-Dichlorophenol	7.87	162	546945	52.143	ng	99
30) 1,2,4-Trichlorobenzene	7.96	180	584147	49.149	ng	98
31) Naphthalene	8.03	128	1829877	49.797	ng	99
32) Benzoic acid	7.82	122	365458	40.664	ng	95
33) 4-Chloroaniline	8.08	127	374763	23.427	ng	98
34) Hexachlorobutadiene	8.15	225	335396	47.142	ng	99
35) Caprolactam	8.47	113	157896m	49.210	ng	
36) 4-Chloro-3-methylphenol	8.58	107	598871	52.734	ng	94
37) 2-Methylnaphthalene	8.73	142	1277429	51.276	ng	99
38) 1-Methylnaphthalene	8.83	142	1197859	51.013	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.90	216	559133	49.176	ng	99

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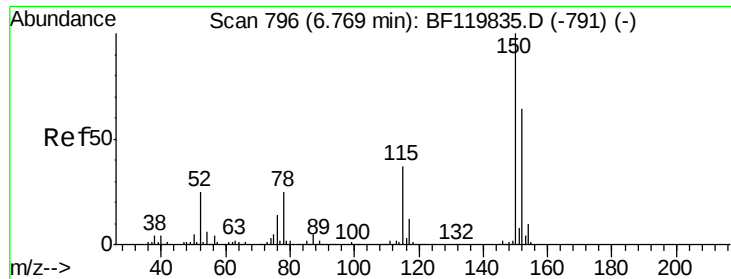
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 4/16/2020 12:53:00 PM

Quant Time: Apr 16 05:01:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 11:01:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.88	237	570181	88.188	nq	99
43) 2,4,6-Trichlorophenol	9.01	196	414522	52.795	nq	99
44) 2,4,5-Trichlorophenol	9.05	196	435084	49.200	nq	98
46) 1,1'-Biphenyl	9.19	154	1525187	50.195	nq	97
47) 2-Chloronaphthalene	9.22	162	1201617	51.335	nq	97
48) 2-Nitroaniline	9.32	65	423619	49.940	nq	98
49) Acenaphthylene	9.63	152	1842345	51.754	nq	98
50) Dimethylphthalate	9.50	163	1558562	55.973	nq	100
51) 2,6-Dinitrotoluene	9.56	165	315746	51.782	nq	88
52) Acenaphthene	9.80	154	1119651	47.151	nq	99
53) 3-Nitroaniline	9.73	138	198983	28.573	nq	95
54) 2,4-Dinitrophenol	9.83	184	188262	51.570	nq	# 91
55) Dibenzofuran	9.98	168	1646509	50.528	nq	98
56) 4-Nitrophenol	9.90	139	499898	96.476	nq	94
57) 2,4-Dinitrotoluene	9.97	165	401166	49.936	nq	95
58) Fluorene	10.32	166	1263838	48.496	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.10	232	354681	52.441	nq	99
60) Diethylphthalate	10.20	149	1437744	49.819	nq	99
61) 4-Chlorophenyl-phenylether	10.32	204	622446	46.601	nq	97
62) 4-Nitroaniline	10.35	138	329021	49.576	nq	99
63) Azobenzene	10.47	77	1359755	52.574	nq	98
65) 4,6-Dinitro-2-methylphenol	10.37	198	175322	38.942	nq	87
66) n-Nitrosodiphenylamine	10.44	169	1198849	52.750	nq	99
67) 4-Bromophenyl-phenylether	10.80	248	392608	46.198	nq	99
68) Hexachlorobenzene	10.87	284	422162	48.967	nq	100
69) Atrazine	10.97	200	350802	55.477	nq	98
70) Pentachlorophenol	11.06	266	405081	81.534	nq	98
71) Phenanthrene	11.28	178	1843994	50.701	nq	97
72) Anthracene	11.33	178	1913804	51.510	nq	100
73) Carbazole	11.49	167	1764753	50.227	nq	99
74) Di-n-butylphthalate	11.83	149	2269062	49.126	nq	99
75) Fluoranthene	12.47	202	1990345	50.719	nq	99
77) Benzidine	12.59	184	830462	55.031	nq	96
78) Pyrene	12.70	202	1979234	52.590	nq	98
80) Butylbenzylphthalate	13.32	149	916566	50.190	nq	97
81) Benzo(a)anthracene	13.89	228	1485004	50.563	nq	100
82) 3,3'-Dichlorobenzidine	13.85	252	311726	28.446	nq	98
83) Chrysene	13.93	228	1547952	51.872	nq	99
84) Bis(2-ethylhexyl)phthalate	13.89	149	1172208	47.400	nq	98
85) Di-n-octyl phthalate	14.50	149	1991806	47.303	nq	98
86) Indeno(1,2,3-cd)pyrene	16.70	276	1279244	48.631	nq	98
88) Benzo(b)fluoranthene	14.92	252	1397042	54.150	nq	99
89) Benzo(k)fluoranthene	14.94	252	1188121	53.374	nq	100
90) Benzo(a)pyrene	15.26	252	1146169	52.838	nq	97
91) Dibenzo(a,h)anthracene	16.72	278	1049438	54.617	nq	98
92) Benzo(g,h,i)perylene	17.12	276	1046229	55.161	nq	95

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



#1

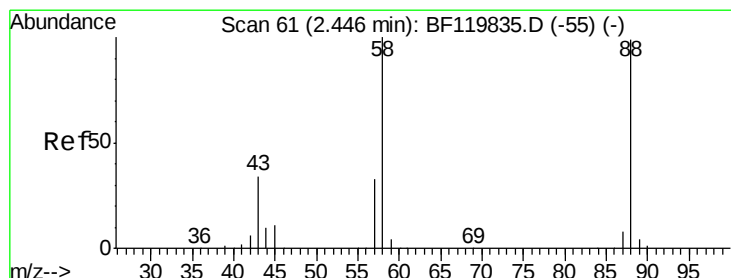
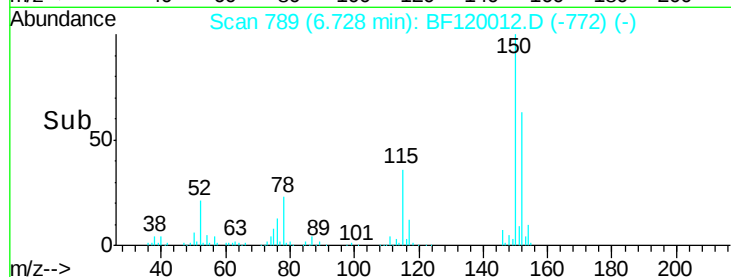
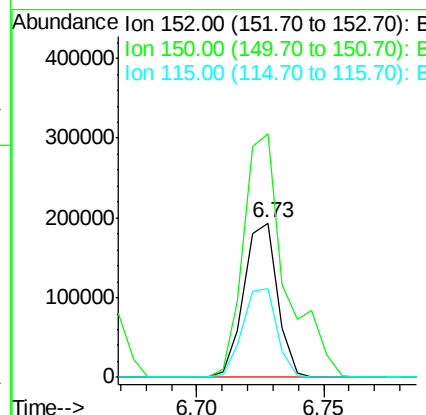
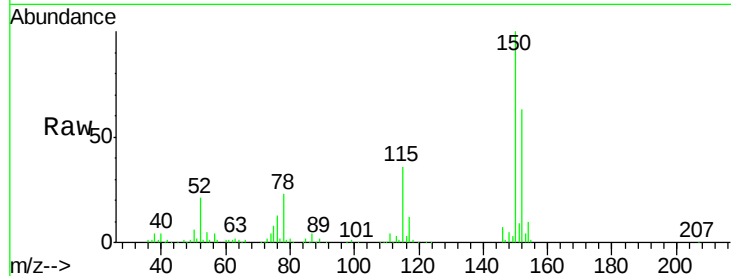
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.8	187.2
115	57.2	46.5	69.7

Manual Integrations
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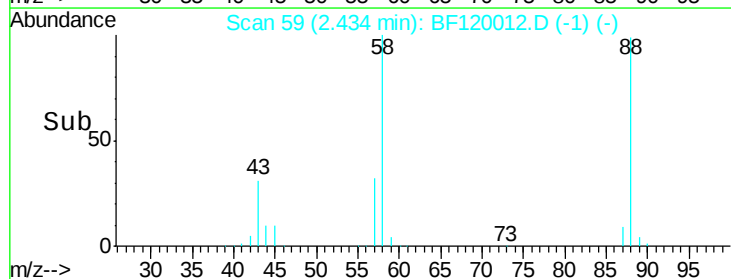
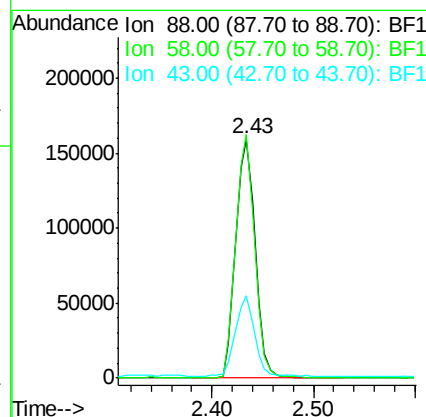
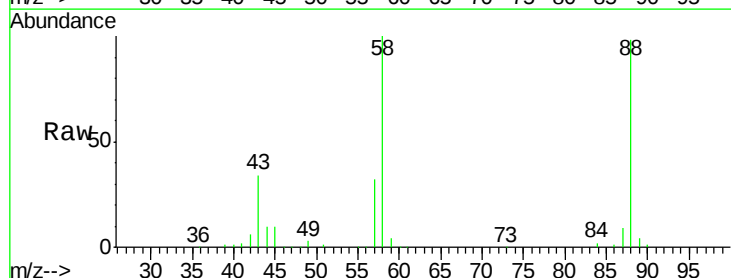
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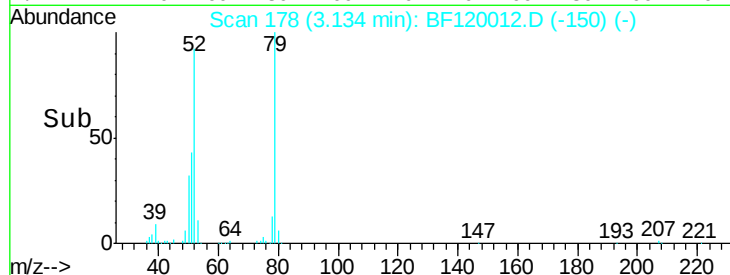
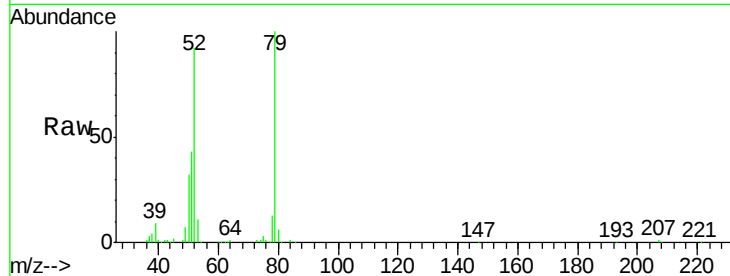
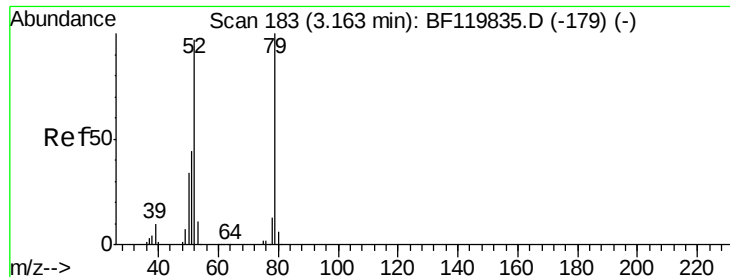


#2

1,4-Dioxane
Concen: 46.559 ng
RT: 2.43 min Scan# 59
Delta R.T. 0.06 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tgt Ion	Ratio	Lower	Upper
88	100		
58	98.0	82.6	123.8
43	33.8	28.6	42.8





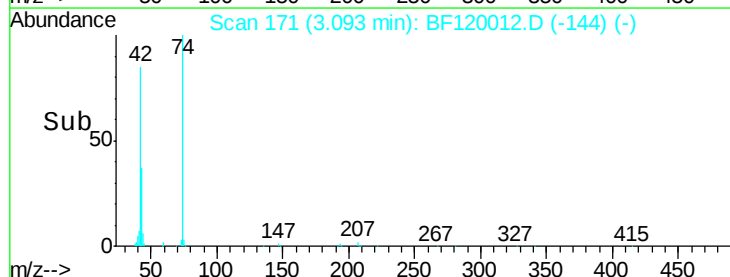
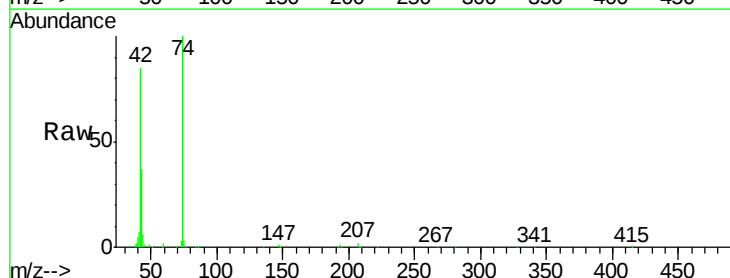
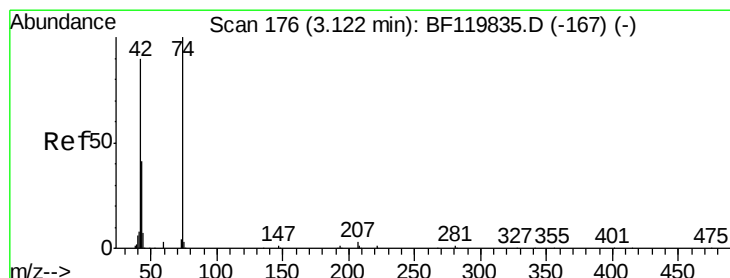
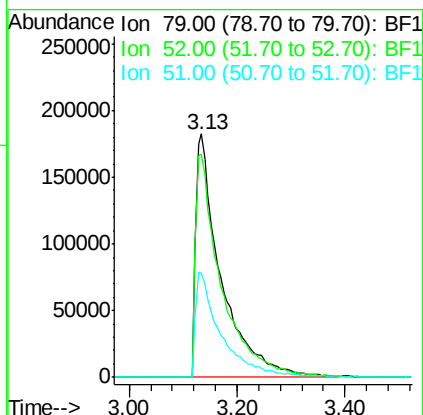
#3
 Pvridine
 Concen: 46.552 ng
 RT: 3.13 min Scan# 178
 Delta R.T. 0.06 min
 Lab File: BF120012.D
 Acq: 16 Apr 2020 00:37

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	79	100			
52	52	91.9		77.4	116.0
51	51	42.8		35.3	52.9

Instrument :
 BNA_F
 ClientSampleId :
 TP-23-22-COMPMSD

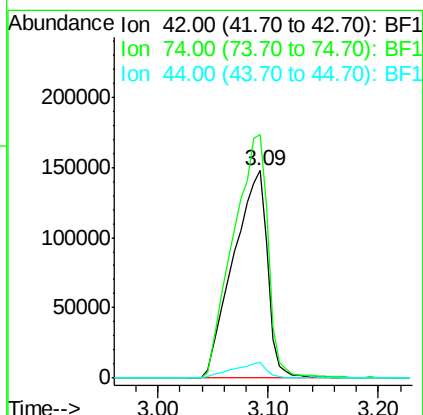
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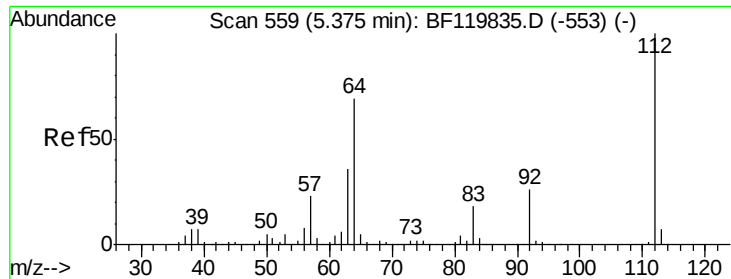
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#4
 n-Nitrosodimethylamine
 Concen: 49.965 ng
 RT: 3.09 min Scan# 171
 Delta R.T. 0.06 min
 Lab File: BF120012.D
 Acq: 16 Apr 2020 00:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	42	100			
74	74	117.4		89.0	133.4
44	44	7.4		6.2	9.4





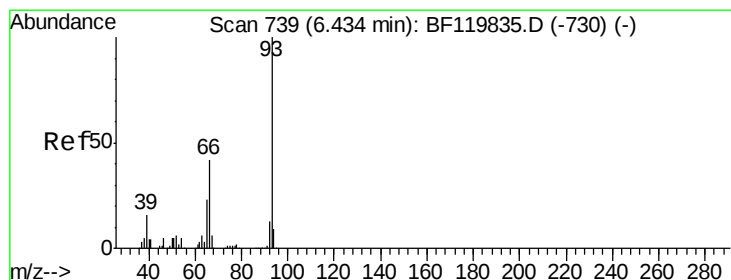
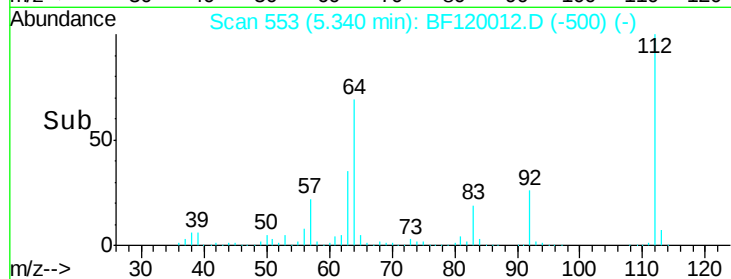
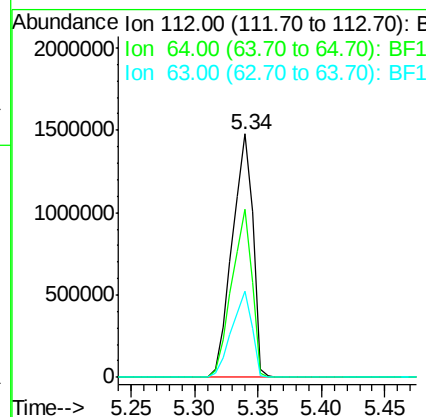
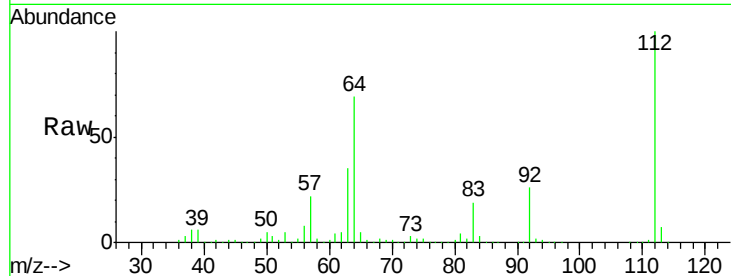
#5
2-Fluorophenol
Concen: 161.148 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMSD

Tot Ion	Ratio	Lower	Upper
112	100		
64	69.0	55.5	83.3
63	35.2	29.1	43.7

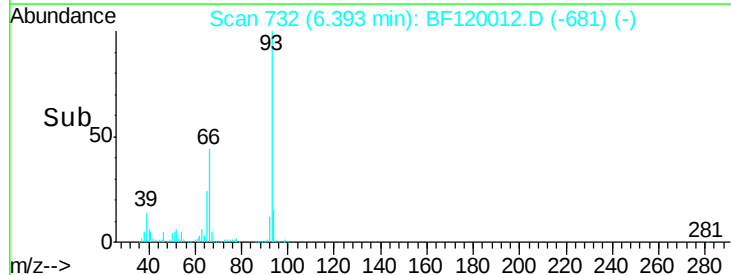
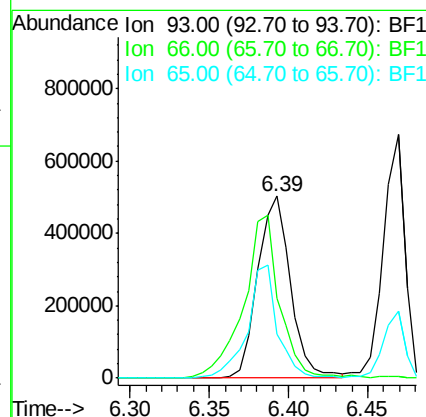
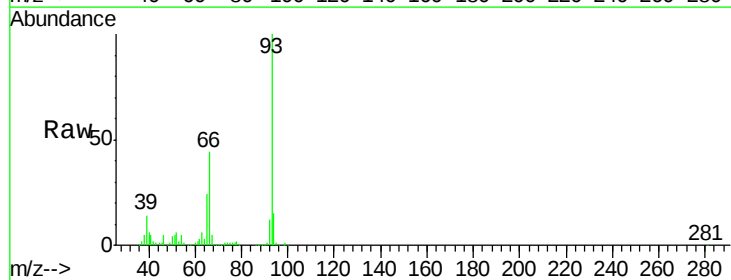
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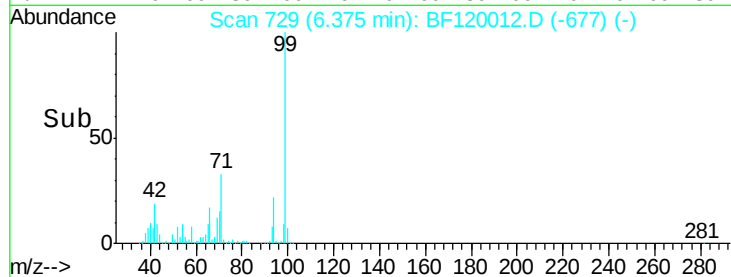
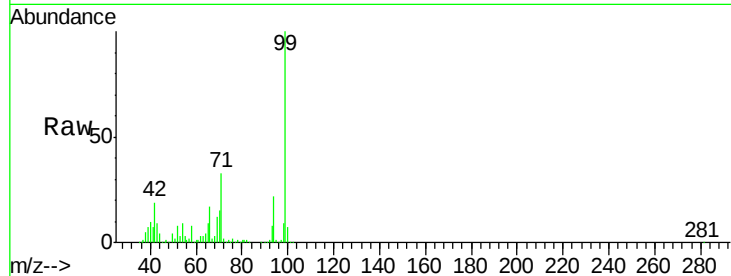
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#6
Aniline
Concen: 41.584 ng
RT: 6.39 min Scan# 732
Delta R.T. -0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tgt Ion	Ratio	Lower	Upper
93	100		
66	43.5	34.2	51.2
65	24.0	18.3	27.5





#7

Phenol-d6

Concen: 172.439 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Tot Ion:	99	Resp:	2293925
Ion	Ratio	Lower	Upper
99	100		
42	19.1	16.9	25.3
71	32.8	26.3	39.5

Instrument :

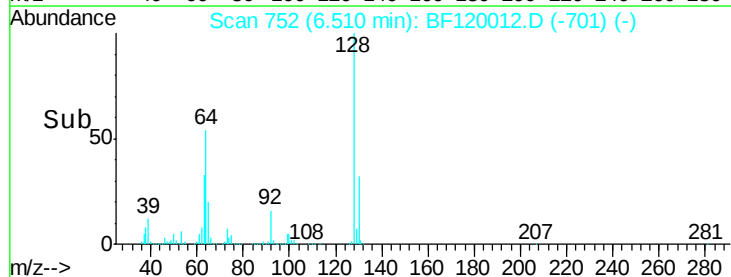
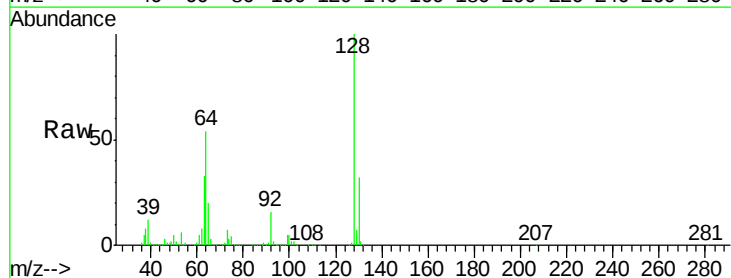
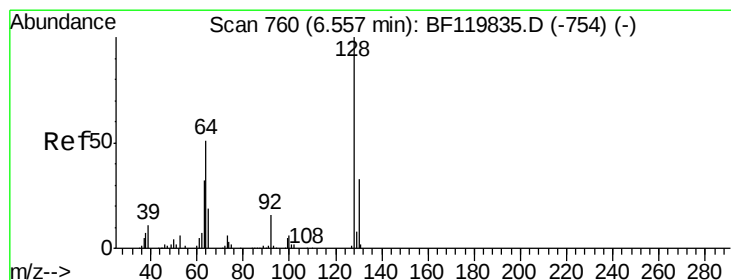
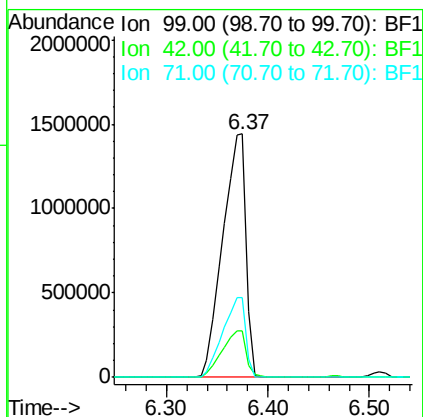
BNA_F

ClientSampleId :

TP-23-22-COMPMSD

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#8

2-Chlorophenol

Concen: 57.753 ng

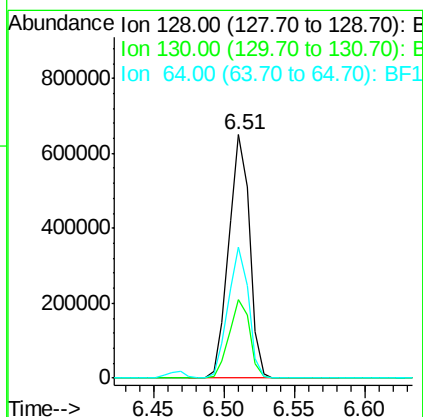
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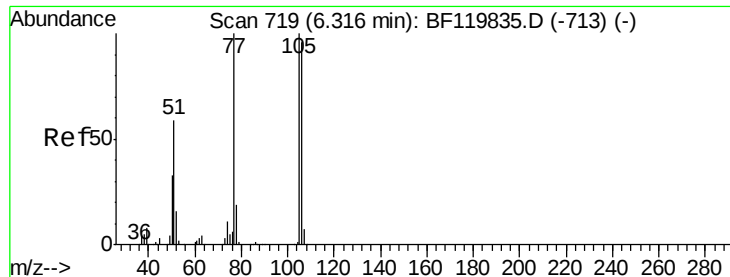
Delta R.T. -0.00 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Tgt Ion:	128	Resp:	666194
Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	53.6	32.0	72.0





#9

Benzaldehyde

Concen: 42.551 ng

RT: 6.27 min Scan# 711

Delta R.T. -0.01 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Instrument :

BNA_F

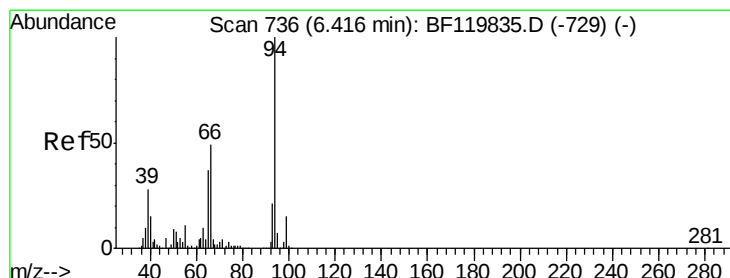
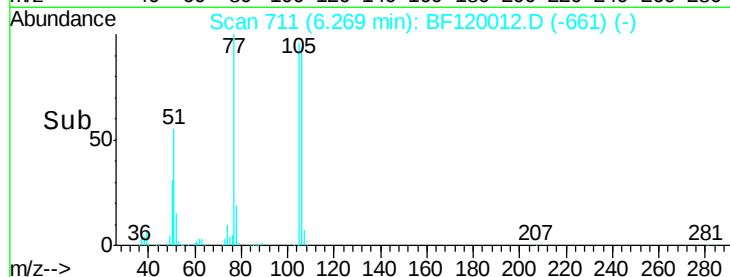
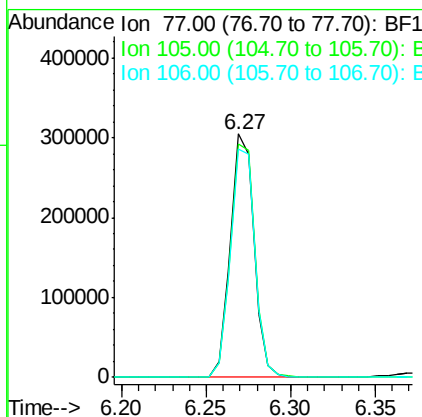
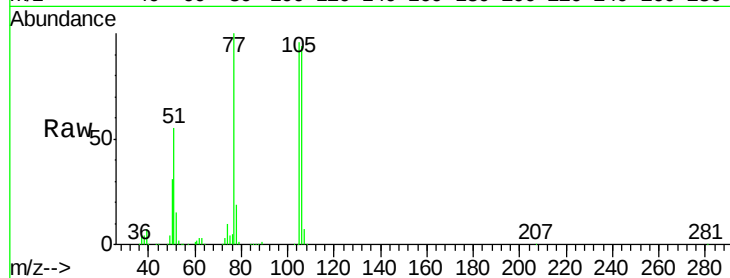
ClientSampleId :

TP-23-22-COMPMSD

Tot Ion:	77	Resp:	295498
Ion Ratio	Lower	Upper	
77	100		
105	96.0	79.9	119.9
106	93.8	76.4	116.4

Manual Integrations
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#10

Phenol

Concen: 54.298 ng

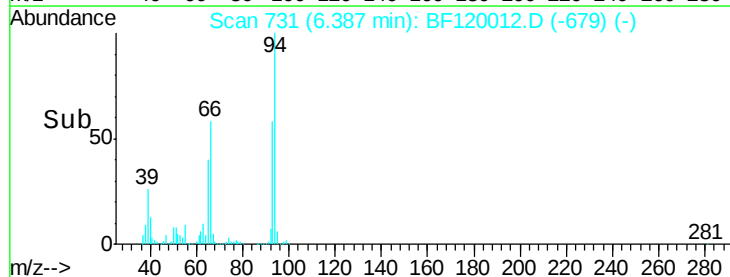
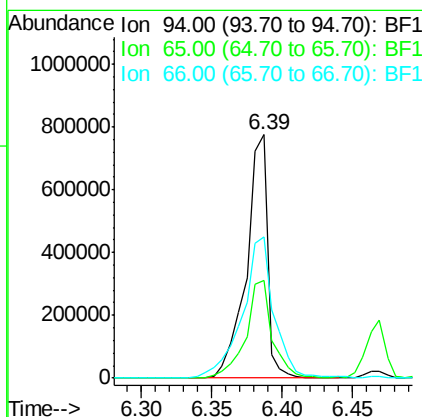
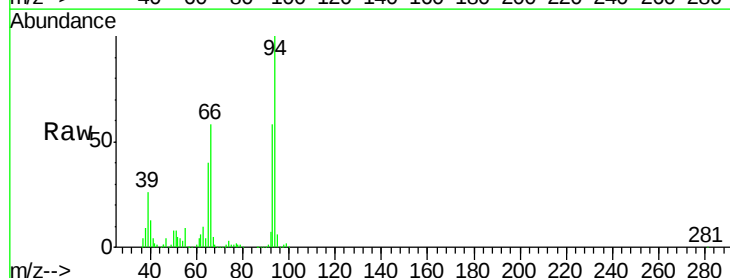
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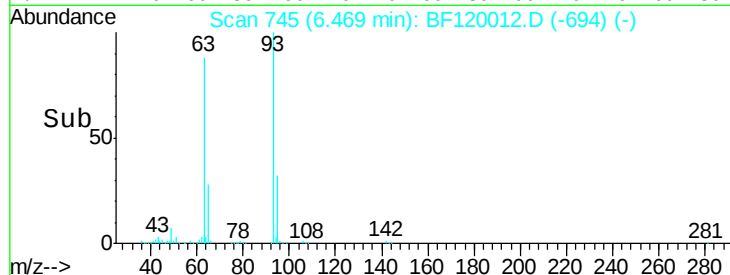
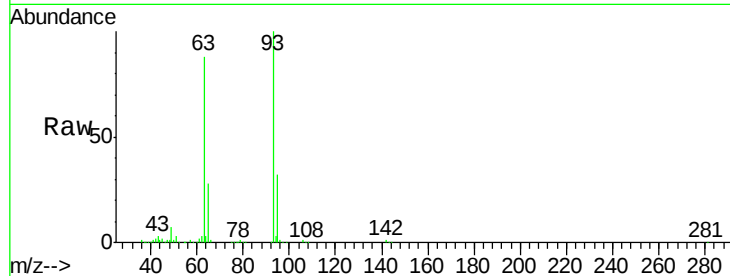
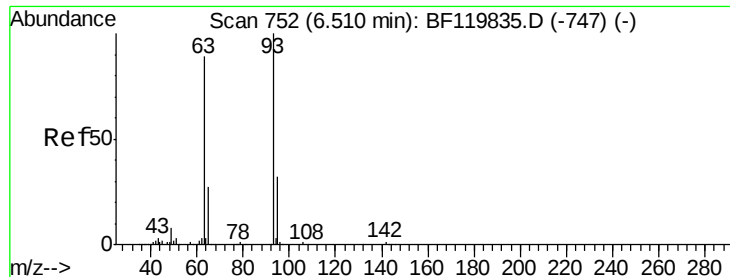
Delta R.T. 0.01 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Tgt Ion:	94	Resp:	819460
Ion Ratio	Lower	Upper	
94	100		
65	40.2	16.6	56.6
66	58.0	29.3	69.3





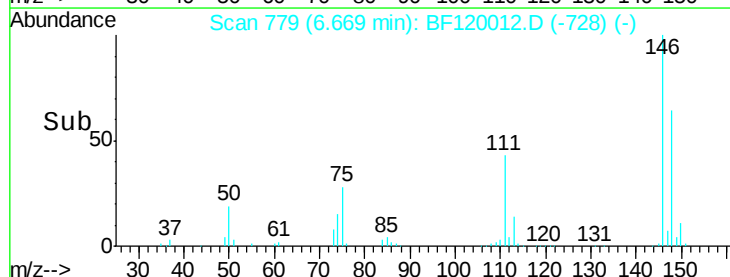
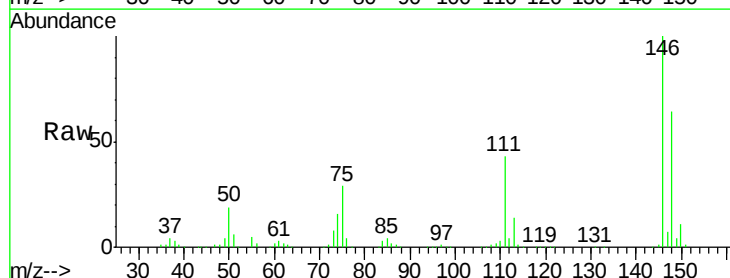
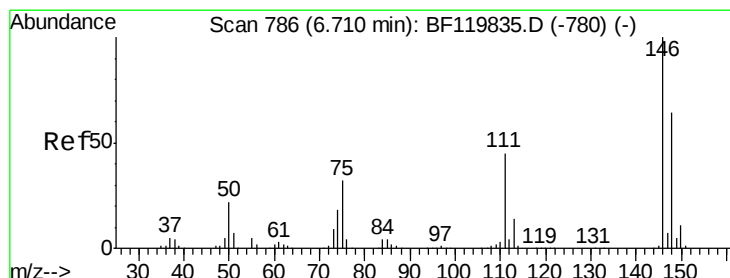
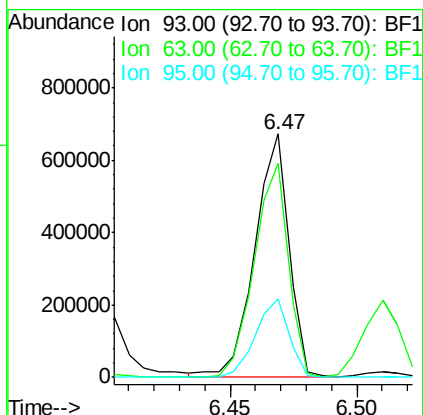
#11
bis(2-Chloroethyl)ether
Concen: 53.946 ng
RT: 6.47 min Scan# 745
Delta R.T. -0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tot Ion:	93	Resp:	628617
Ion Ratio	Lower	Upper	
93	100		
63	87.8	69.1	109.1
95	32.4	12.3	52.3

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMSD

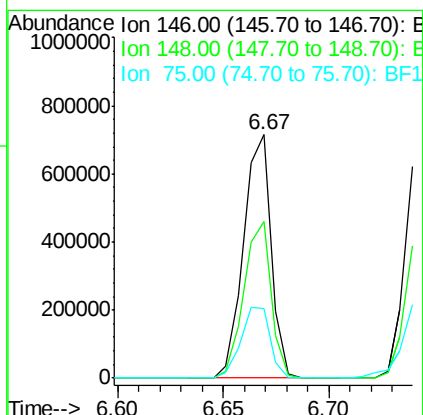
Manual Integrations
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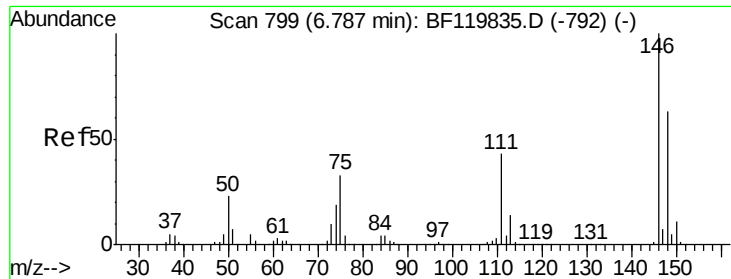
mohammad
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#12
1,3-Dichlorobenzene
Concen: 51.367 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tgt Ion:	146	Resp:	648700
Ion Ratio	Lower	Upper	
146	100		
148	64.3	51.3	76.9
75	28.8	25.3	37.9





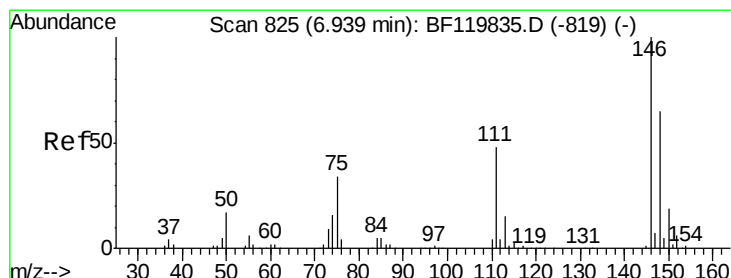
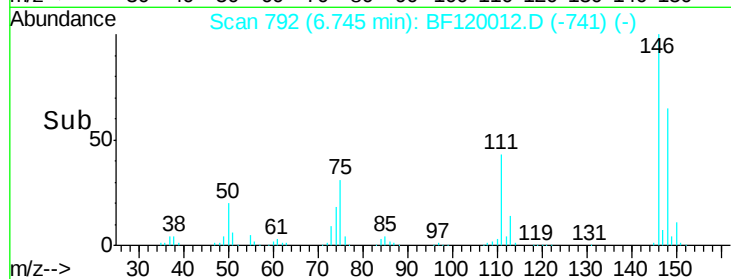
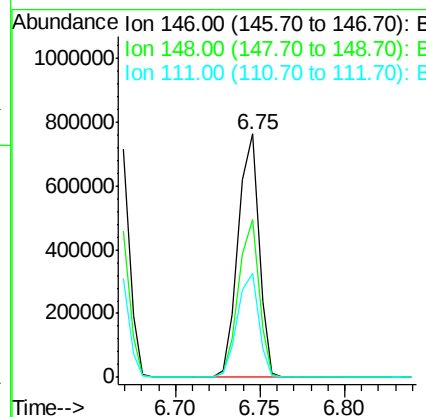
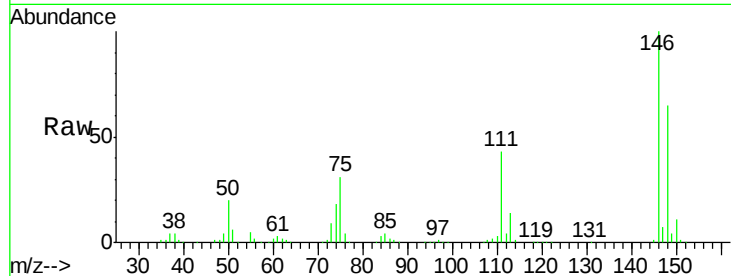
#13
 1,4-Dichlorobenzene
 Concen: 50.987 ng
 RT: 6.75 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BF120012.D
 Acq: 16 Apr 2020 00:37

Instrument :
 BNA_F
 ClientSampleId :
 TP-23-22-COMPMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.5	75.7
111	42.9	34.7	52.1

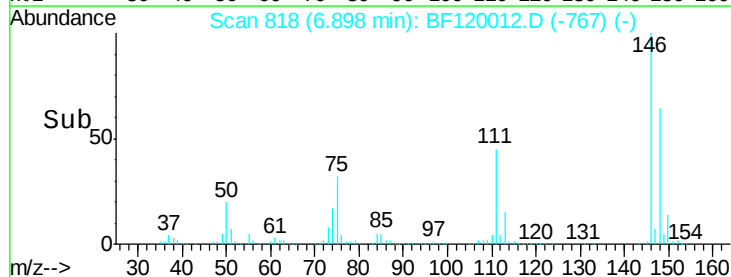
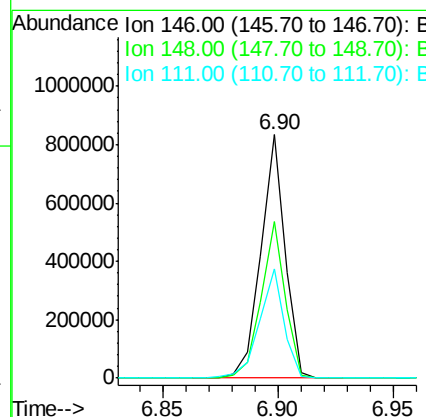
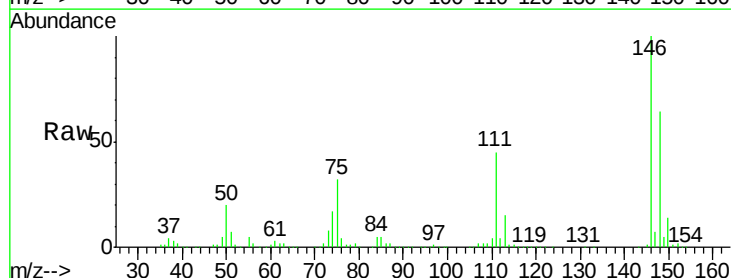
Manual Integrations
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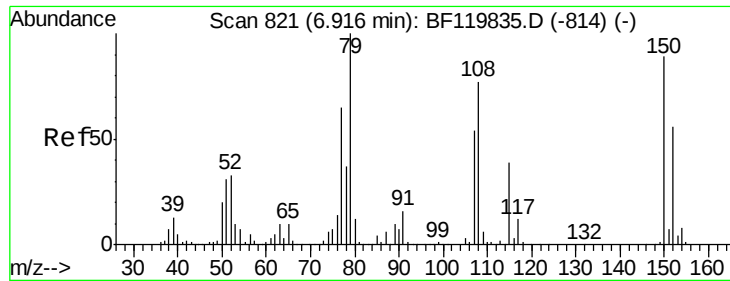
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 51.708 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF120012.D
 Acq: 16 Apr 2020 00:37

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.8	77.8
111	44.8	38.0	57.0





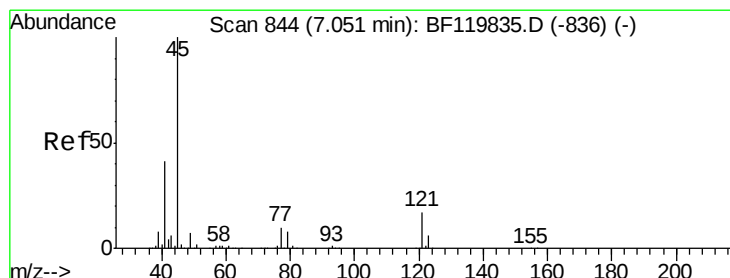
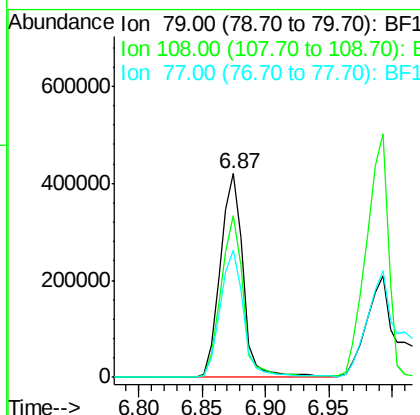
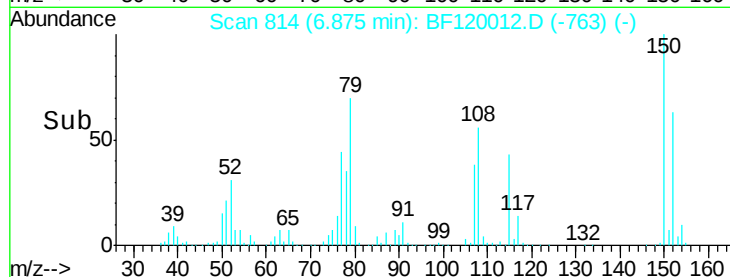
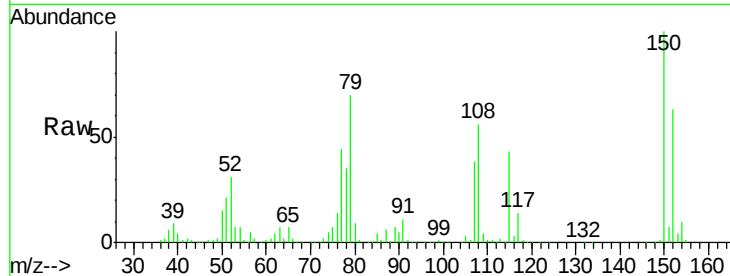
#15
Benzyl Alcohol
Concen: 51.347 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMSD

Tot Ion: 79 Resp: 530536
Ion Ratio Lower Upper
79 100
108 79.4 62.0 93.0
77 62.6 51.8 77.6

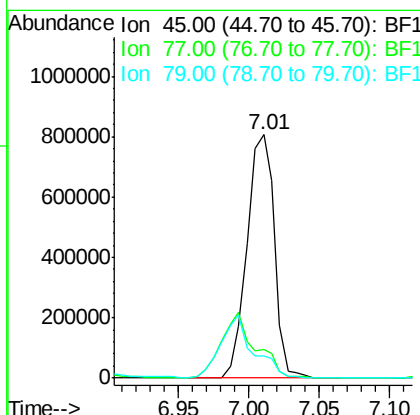
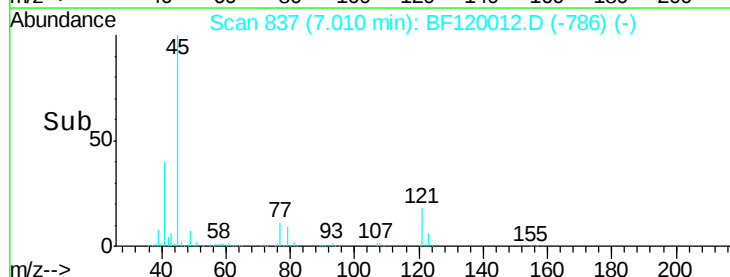
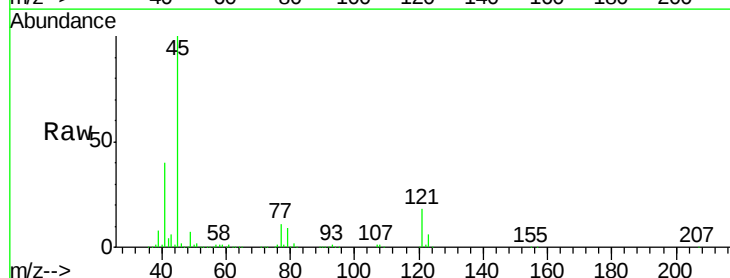
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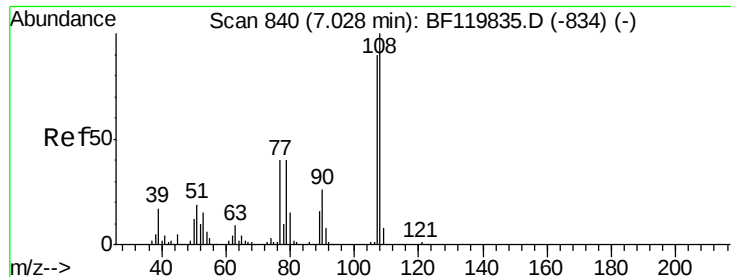
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.317 ng
RT: 7.01 min Scan# 837
Delta R.T. -0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tgt Ion: 45 Resp: 1095618
Ion Ratio Lower Upper
45 100
77 11.5 0.0 30.7
79 9.1 0.0 28.6





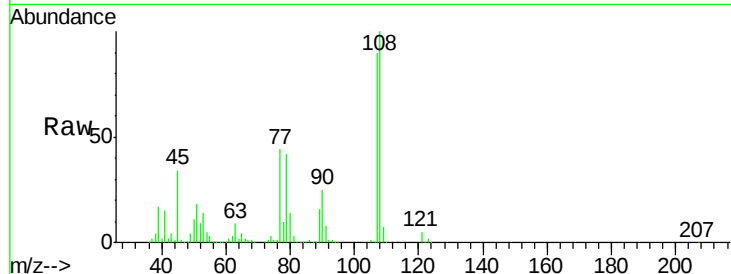
#17
2-Methylphenol
Concen: 52.459 ng
RT: 6.99 min Scan# 834
Delta R.T. 0.01 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMSD

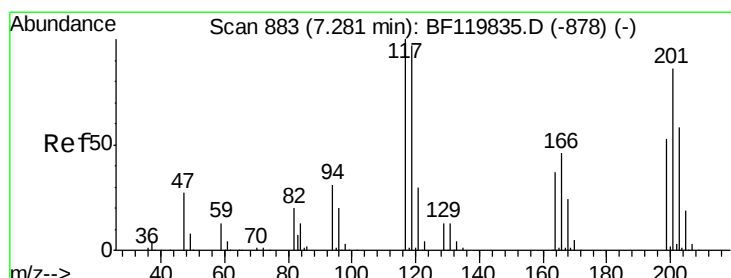
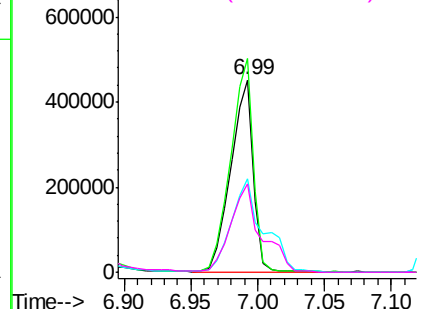
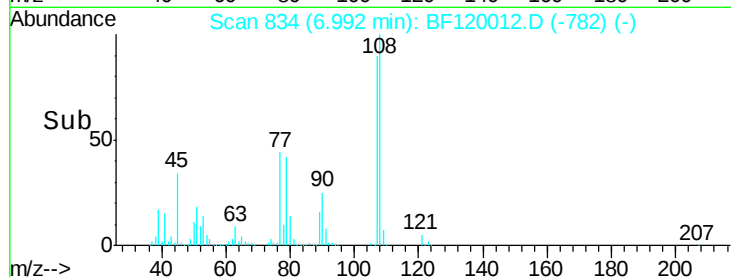
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.0	88.8	133.2	
77	48.5	36.0	54.0	
79	46.2	35.7	53.5	

Manual Integrations
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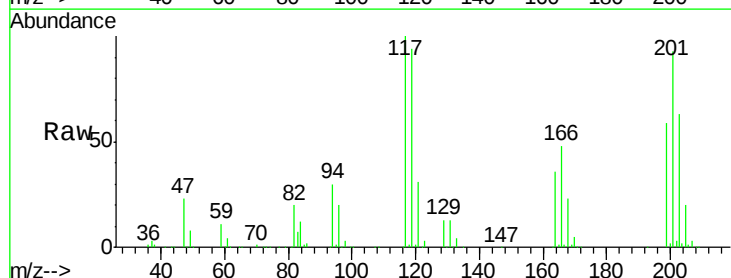


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

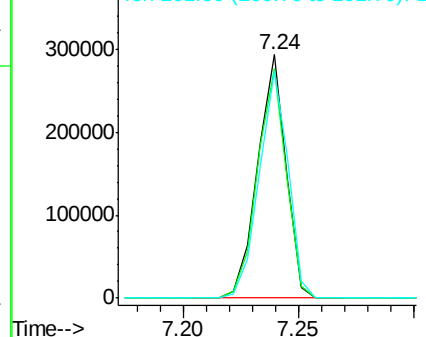
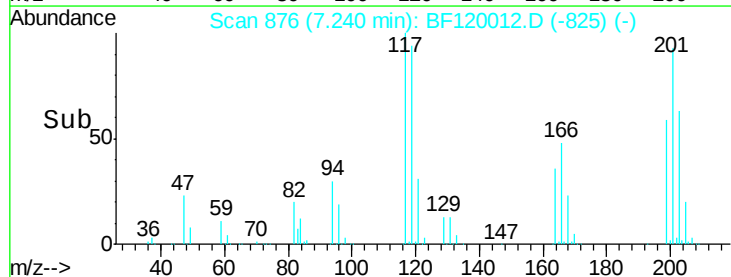


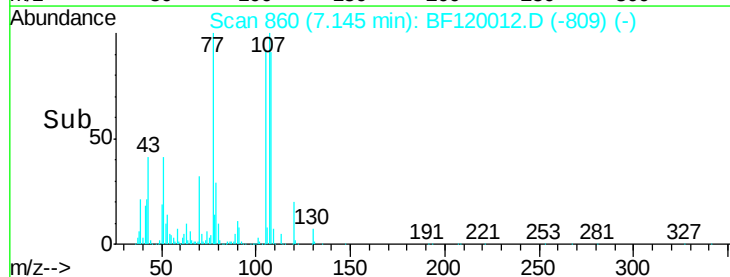
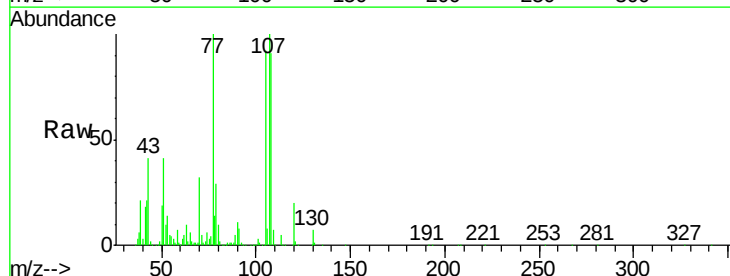
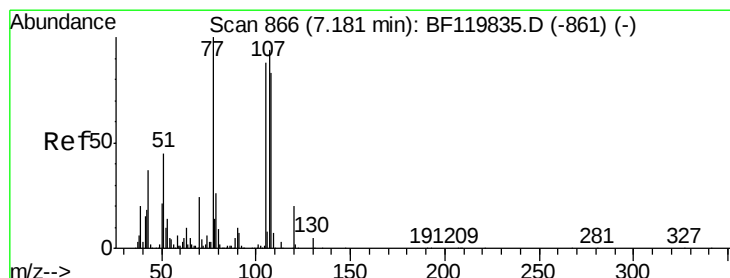
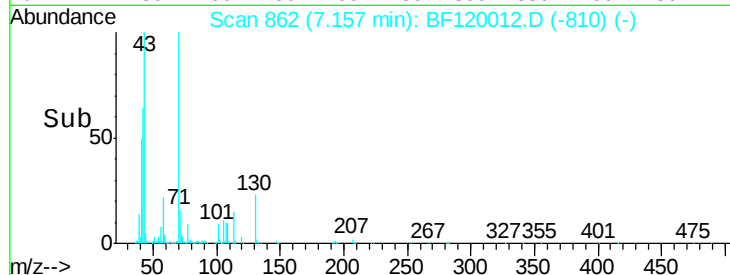
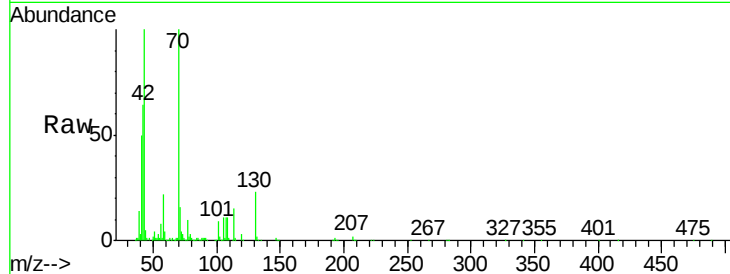
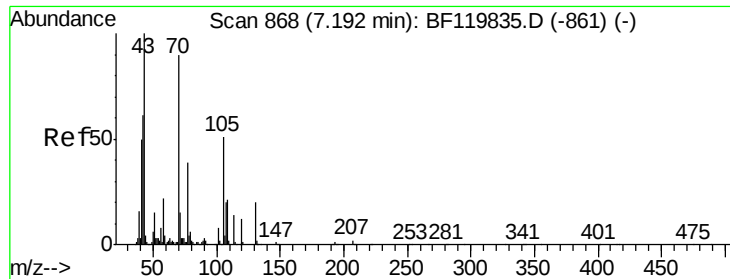
#18
Hexachloroethane
Concen: 52.321 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.4	77.4	116.0	
201	93.5	68.4	102.6	



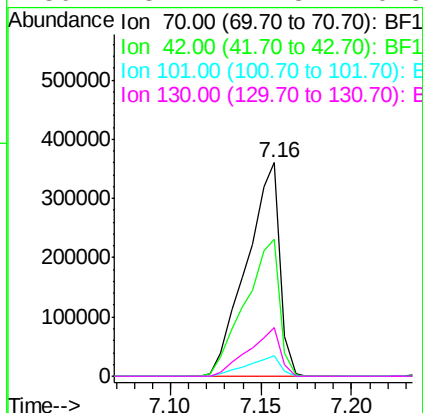
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 53.572 ng
RT: 7.16 min Scan# 862
Delta R.T. 0.01 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	64.0	54.2	81.4	
101	9.5	7.4	11.2	
130	23.1	17.8	26.6	



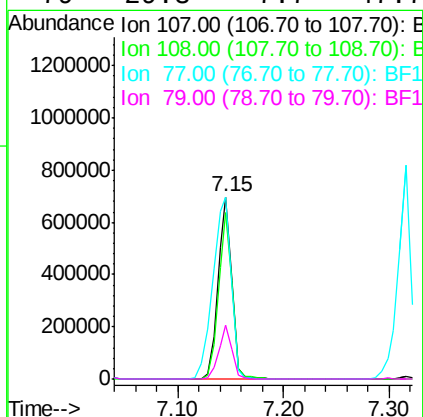
Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMSD

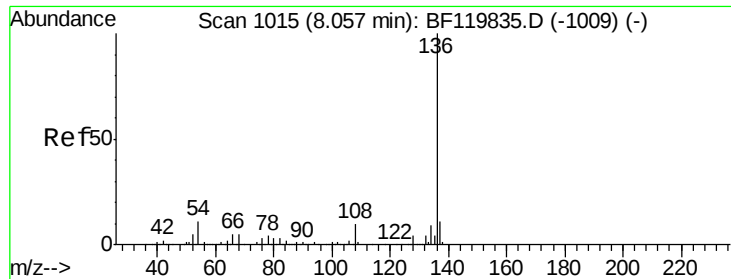
Manual Integrations
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#20
3+4-Methylphenols
Concen: 51.283 ng
RT: 7.15 min Scan# 860
Delta R.T. 0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	91.6	68.2	108.2	
77	100.1	86.6	126.6	
79	29.3	7.7	47.7	





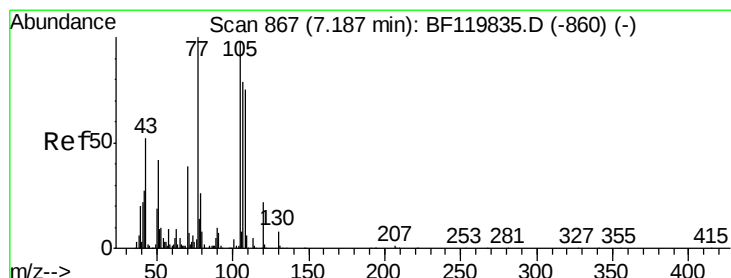
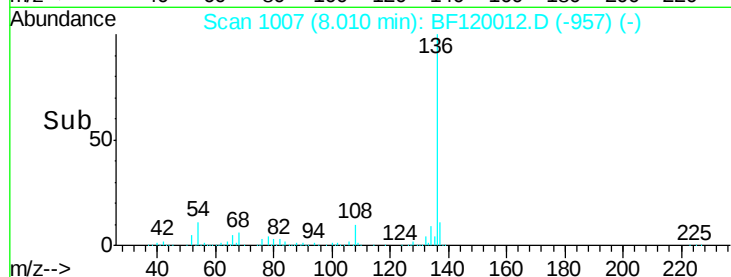
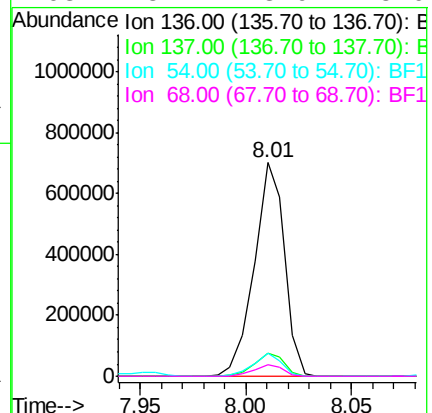
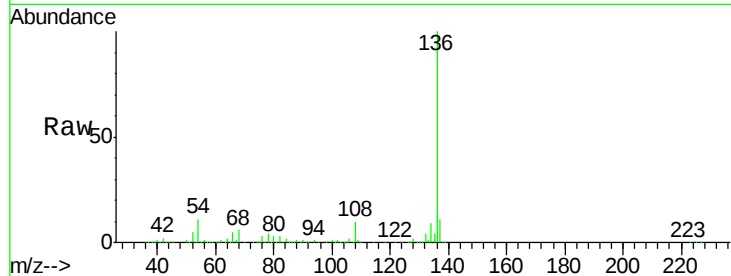
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		698432		
137	10.9	8.7	13.1		
54	10.8	8.5	12.7		
68	5.7	3.9	5.9		

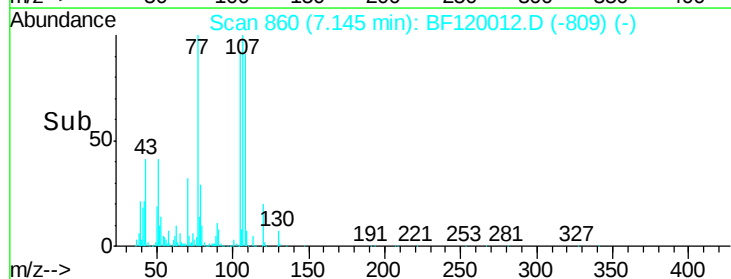
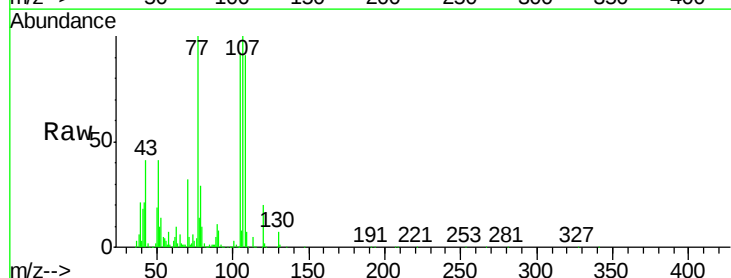
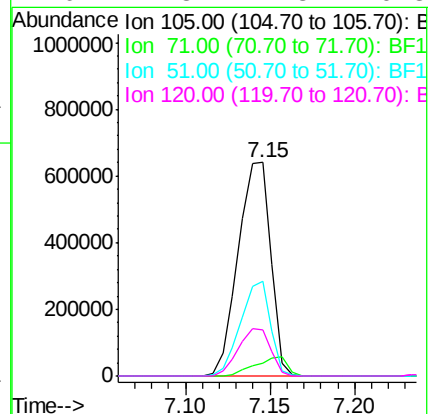
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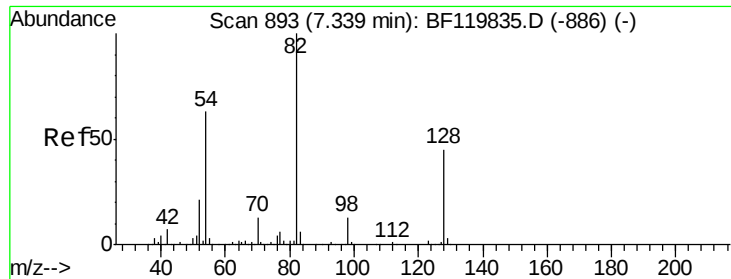
mohammad
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#22
Acetophenone
Concen: 52.673 ng
RT: 7.15 min Scan# 860
Delta R.T. 0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		861466		
71	5.7	5.6	8.4		
51	44.6	33.9	50.9		
120	21.8	17.8	26.8		





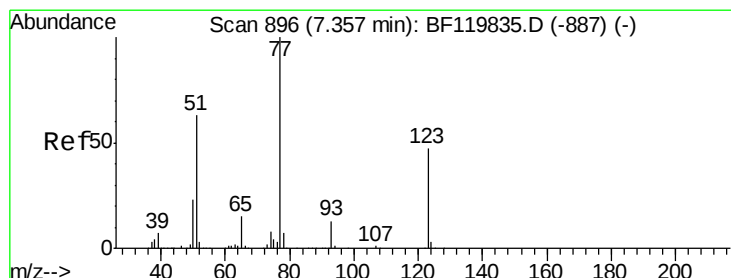
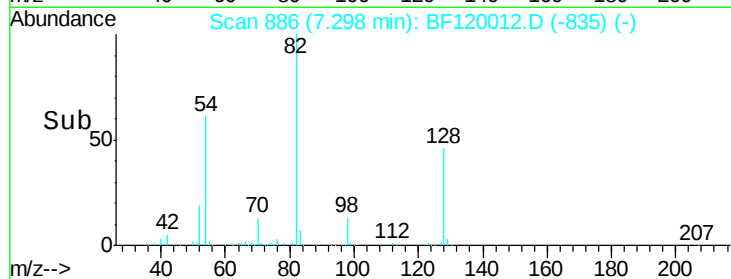
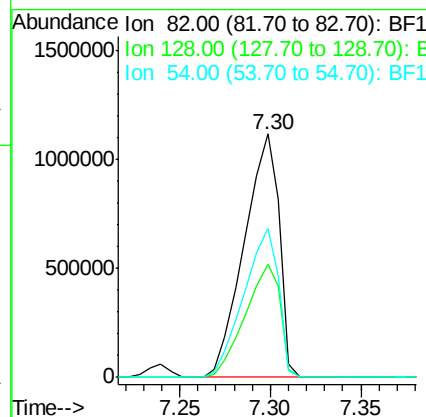
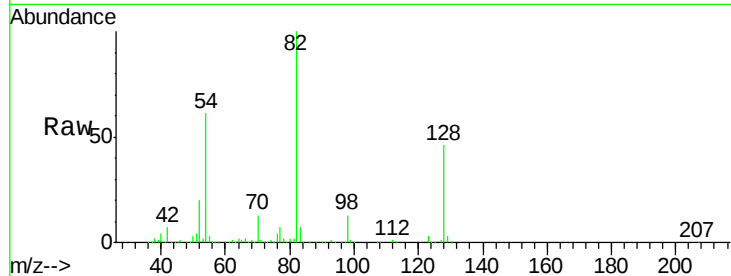
#23
Nitrobenzene-d5
Concen: 110.756 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMSD

Tot Ion: 82 Resp: 1495270
Ion Ratio Lower Upper
82 100
128 46.3 36.2 54.4
54 61.4 50.4 75.6

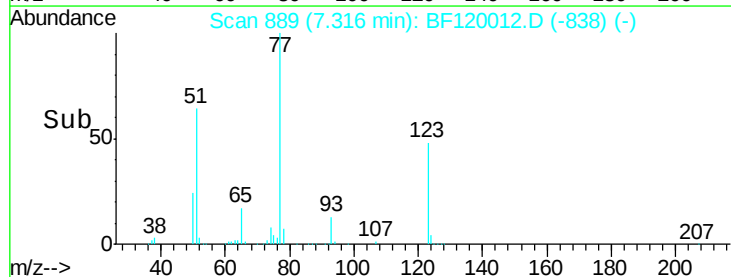
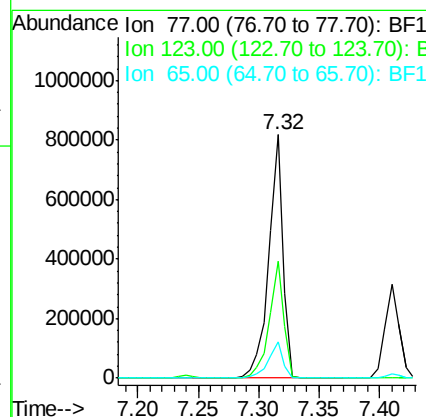
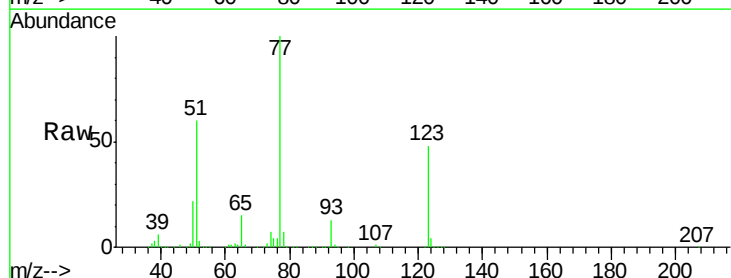
Manual Integrations
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#24
Nitrobenzene
Concen: 49.779 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tgt Ion: 77 Resp: 676055
Ion Ratio Lower Upper
77 100
123 47.8 37.8 56.8
65 15.0 12.2 18.2





#25

Isophorone

Concen: 49.661 ng

RT: 7.56 min Scan# 930

Delta R.T. 0.00 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMSD

Tot Ion: 82 Resp: 1292440

Ion Ratio Lower Upper

82 100

95 6.9 5.8 8.6

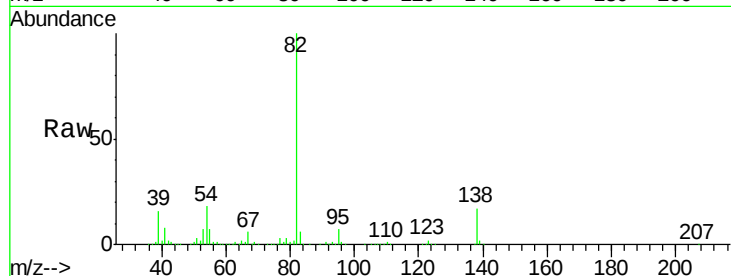
138 17.3 14.5 21.7

Manual Integrations

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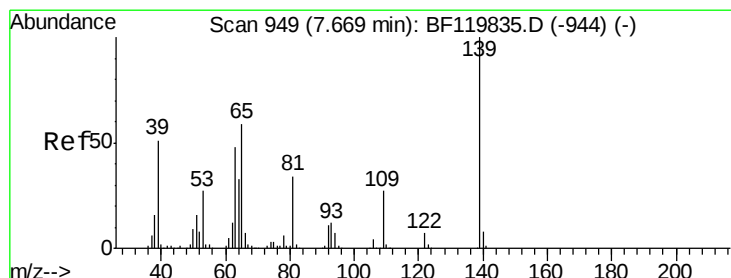
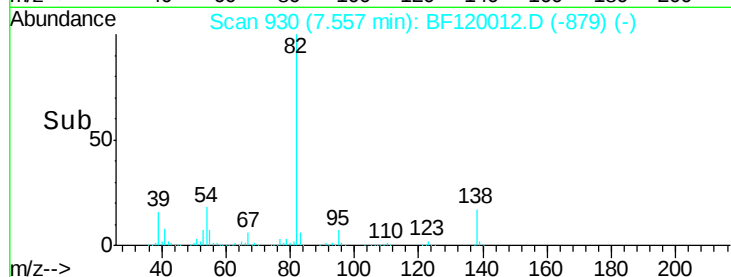
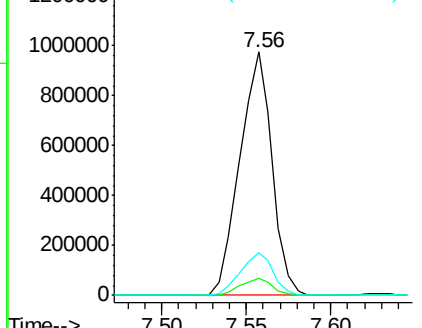
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Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 53.542 ng

RT: 7.63 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

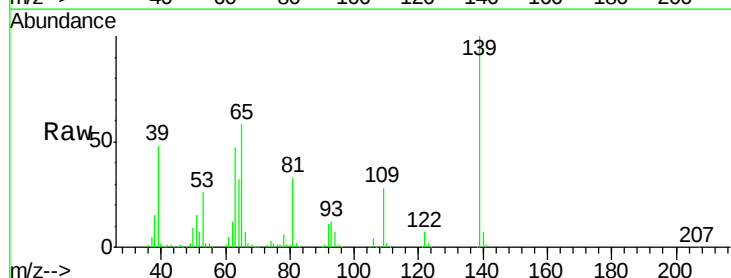
Tgt Ion: 139 Resp: 363290

Ion Ratio Lower Upper

139 100

109 27.8 21.8 32.6

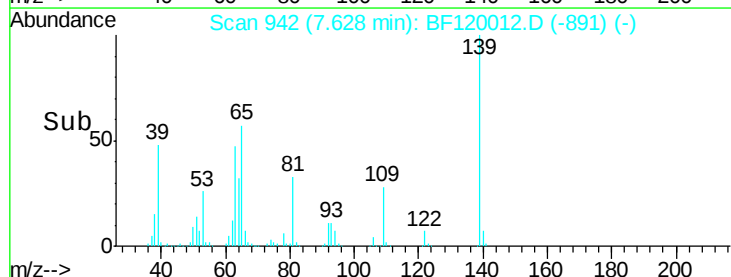
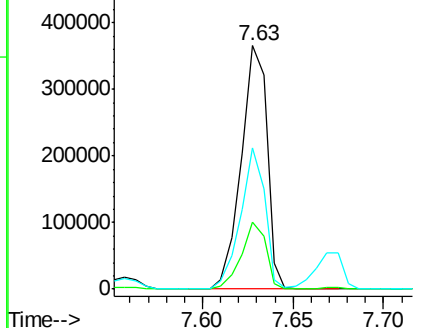
65 57.8 47.0 70.4

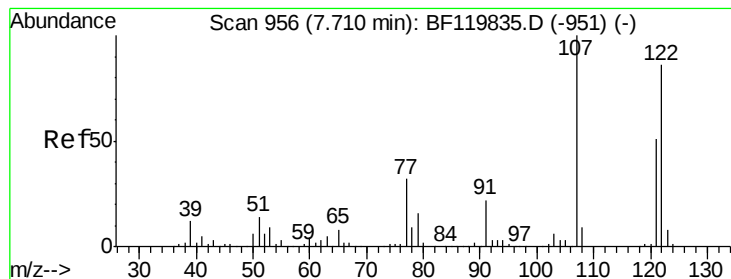


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





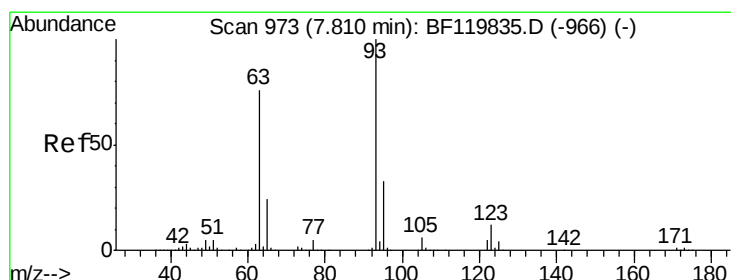
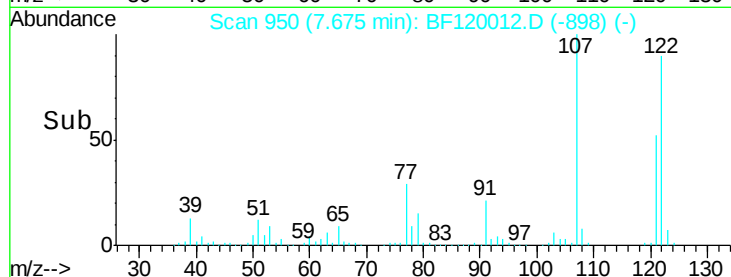
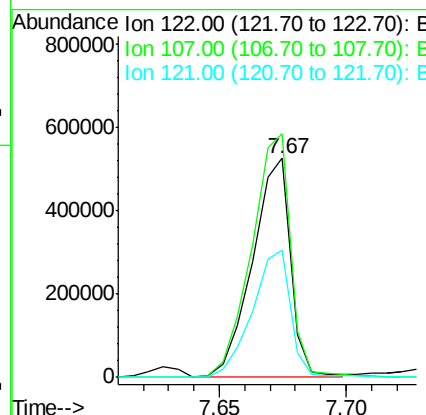
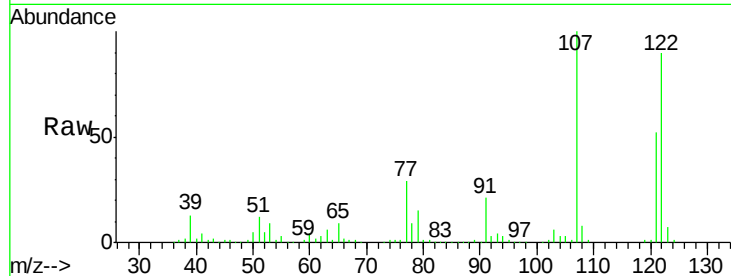
#27
 2,4-Dimethylphenol
 Concen: 53.989 ng
 RT: 7.67 min Scan# 950
 Delta R.T. 0.01 min
 Lab File: BF120012.D
 Acq: 16 Apr 2020 00:37

Instrument :
 BNA_F
 ClientSampleId :
 TP-23-22-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	552485		
107	111.2	92.3	138.5	
121	58.0	46.6	70.0	

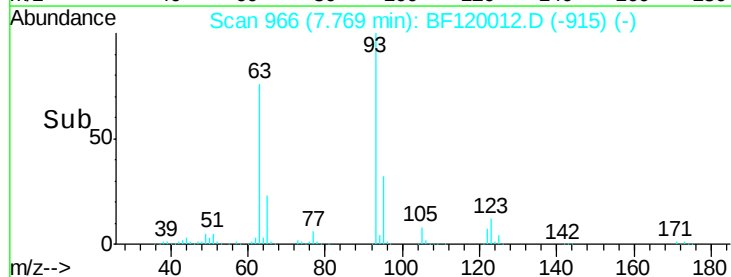
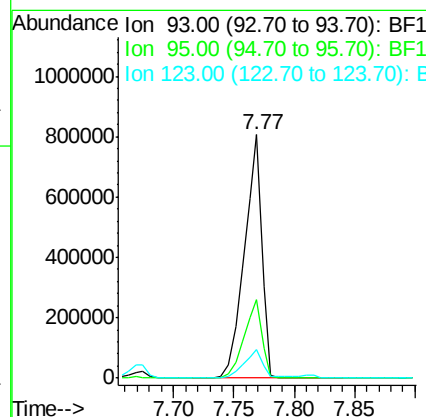
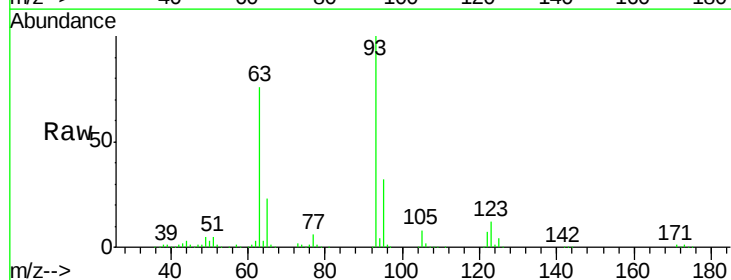
Manual Integrations
 APPROVED

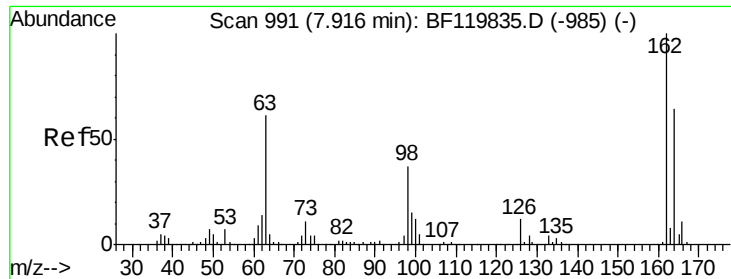
mohammad
 4/16/2020 12:53:00 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 53.213 ng
 RT: 7.77 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: BF120012.D
 Acq: 16 Apr 2020 00:37

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	814923		
95	32.2	26.4	39.6	
123	11.7	9.7	14.5	





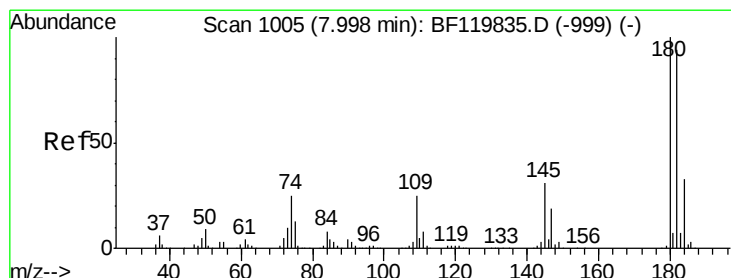
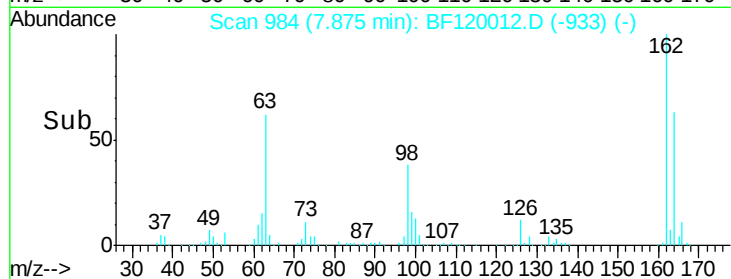
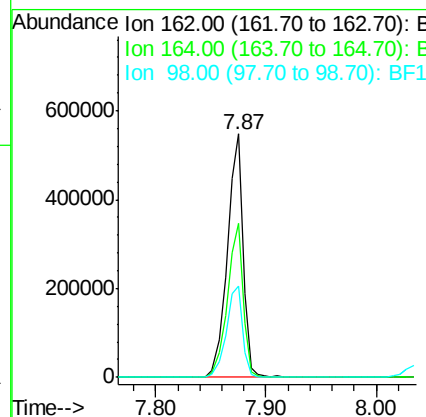
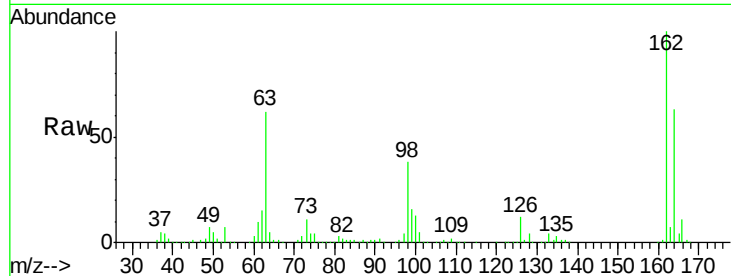
#29
2,4-Dichlorophenol
Concen: 52.143 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMSD

Tot Ion:	162	Resp:	546945
Ion Ratio	Lower	Upper	
162	100		
164	63.3	44.4	84.4
98	37.6	17.3	57.3

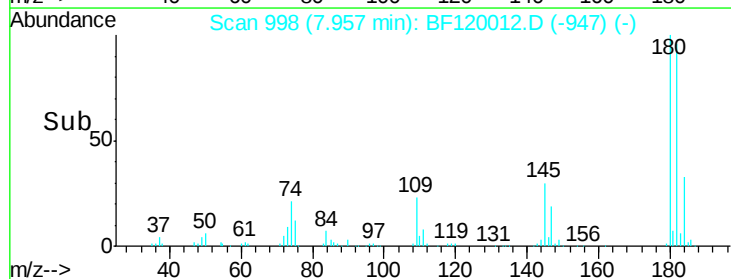
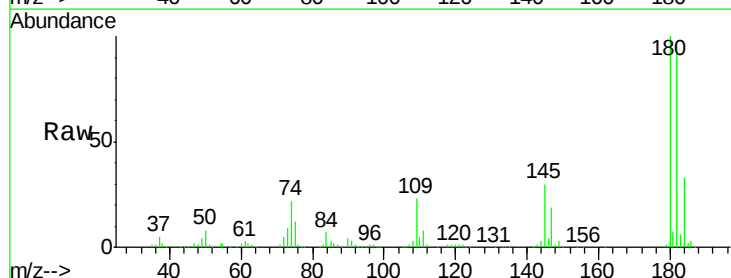
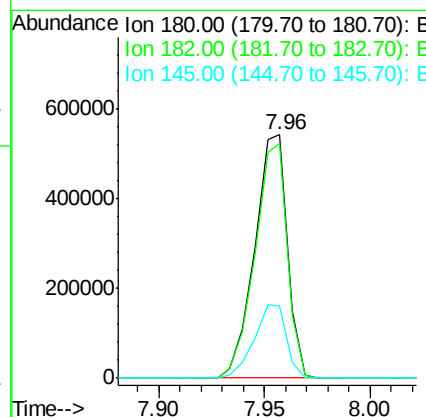
Manual Integrations
APPROVED

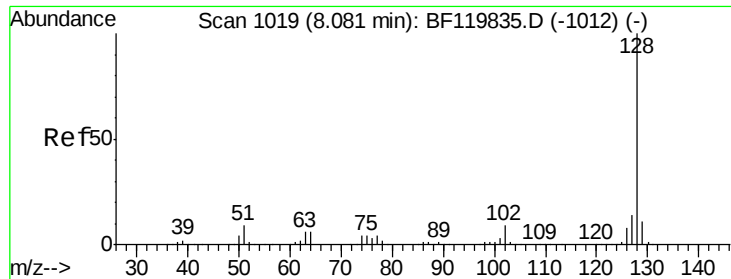
mohammad
4/16/2020 12:53:00 PM



#30
1,2,4-Trichlorobenzene
Concen: 49.149 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tgt Ion:	180	Resp:	584147
Ion Ratio	Lower	Upper	
180	100		
182	96.3	75.4	113.0
145	29.8	24.6	37.0





#31

Naphthalene

Concen: 49.797 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMSD

Tot Ion:128 Resp: 1829877

Ion Ratio Lower Upper

128 100

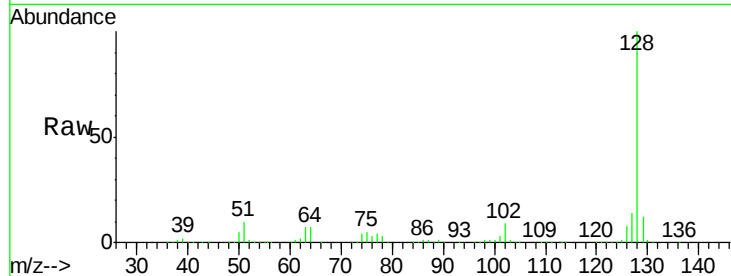
129 11.6 9.0 13.6

127 13.8 11.0 16.4

Manual Integrations
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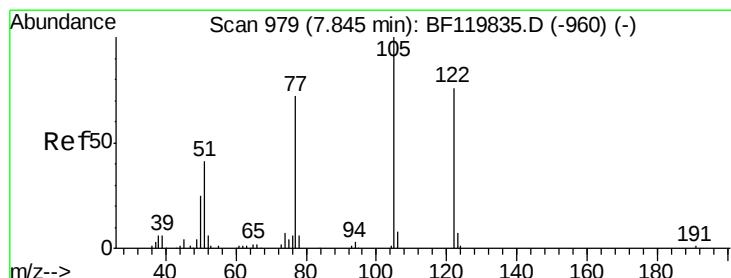
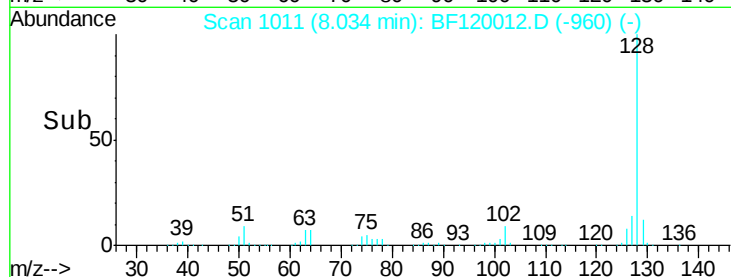
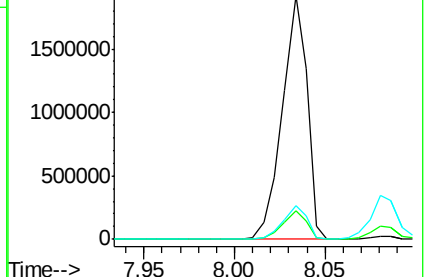
4/16/2020 12:53:00 PM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 40.664 ng

RT: 7.82 min Scan# 974

Delta R.T. 0.01 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

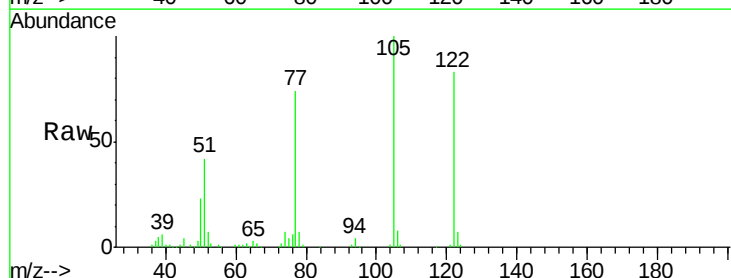
Tgt Ion:122 Resp: 365458

Ion Ratio Lower Upper

122 100

105 120.0 106.7 146.7

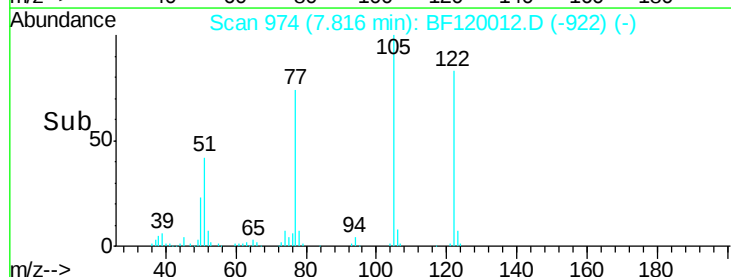
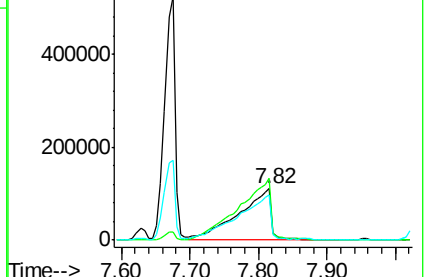
77 88.9 72.1 112.1



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





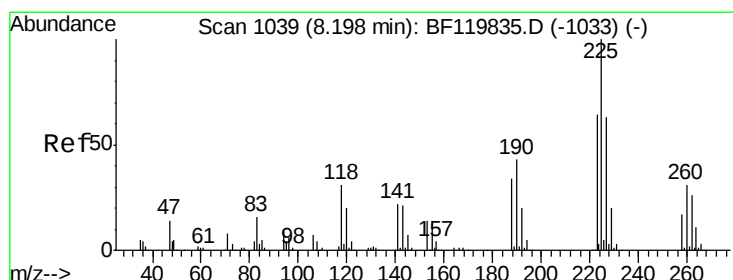
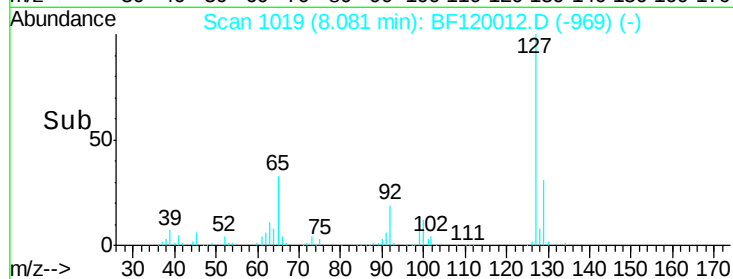
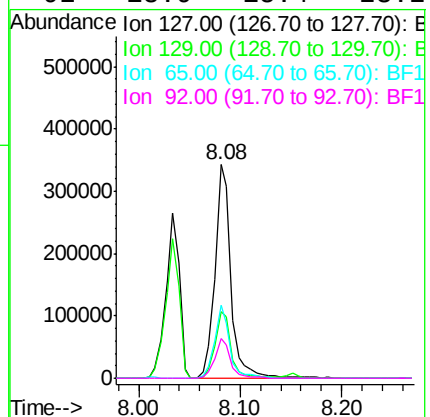
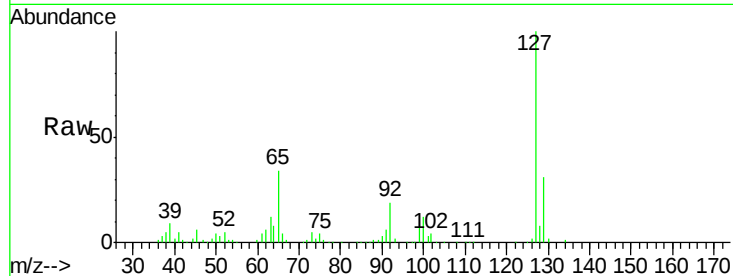
#33
4-Chloroaniline
Concen: 23.427 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.4	26.2	39.2		
65	34.1	28.3	42.5		
92	18.9	15.4	23.2		

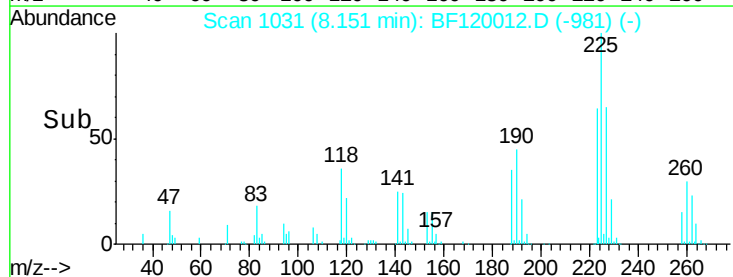
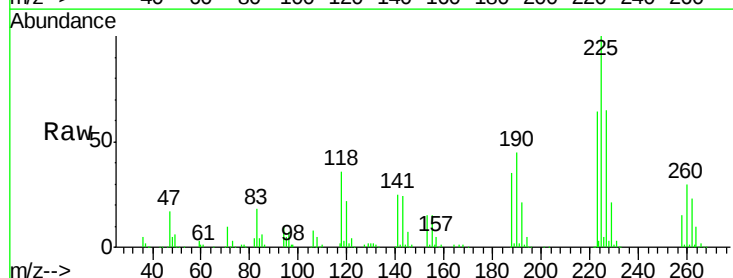
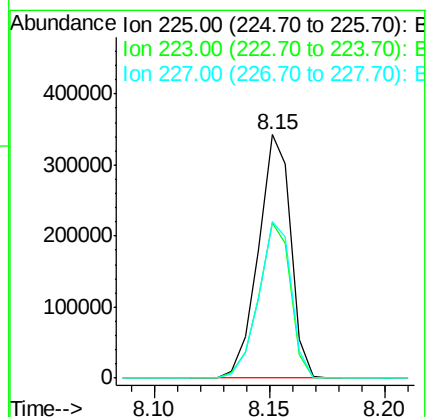
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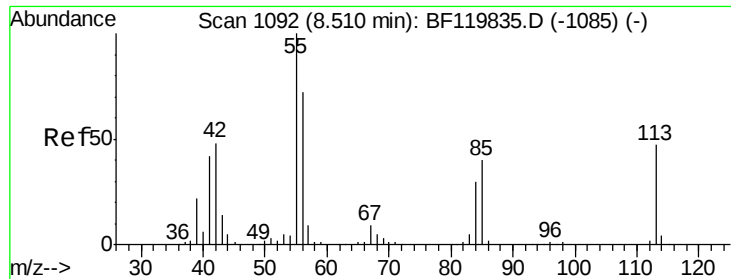
mohammad
4/16/2020 12:53:00 PM



#34
Hexachlorobutadiene
Concen: 47.142 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	64.0	51.0	76.6		
227	64.6	50.4	75.6		





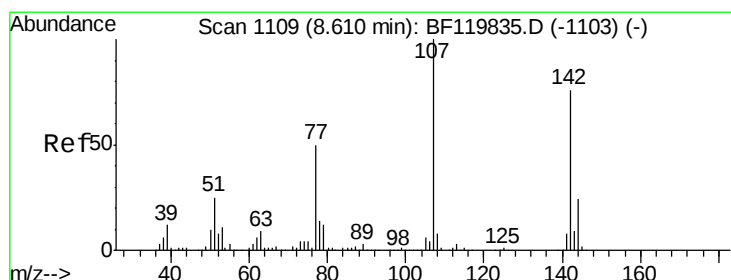
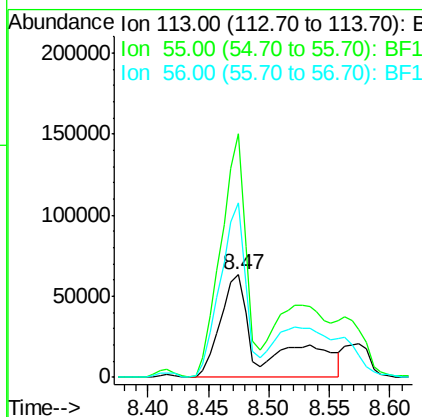
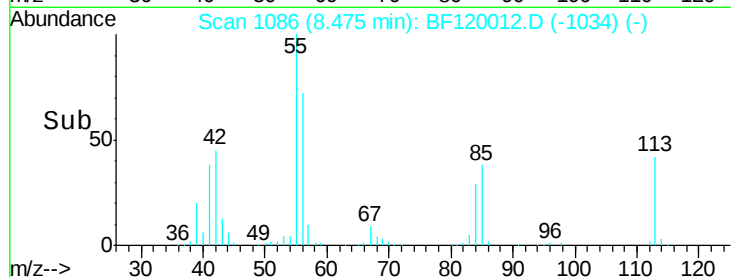
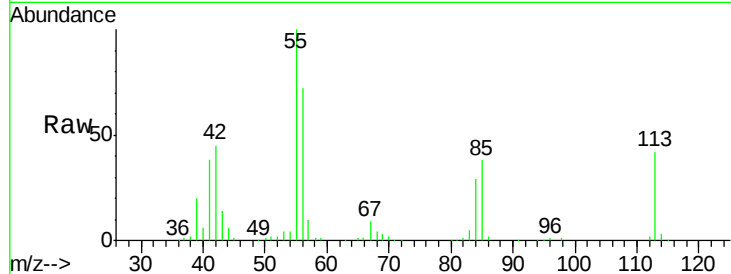
#35
 Caprolactam
 Concen: 49.210 ng/ml
 RT: 8.47 min Scan# 1086
 Delta R.T. 0.01 min
 Lab File: BF120012.D
 Acq: 16 Apr 2020 00:37

Instrument :
 BNA_F
 ClientSampleId :
 TP-23-22-COMPMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100		157896		
55	237.6	192.7	232.7#		
56	170.2	133.3	173.3		

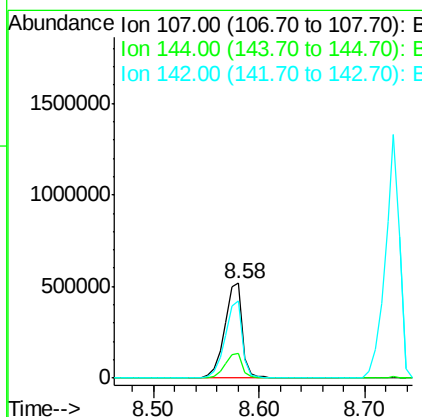
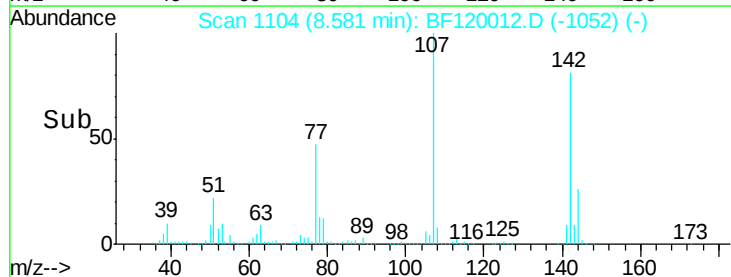
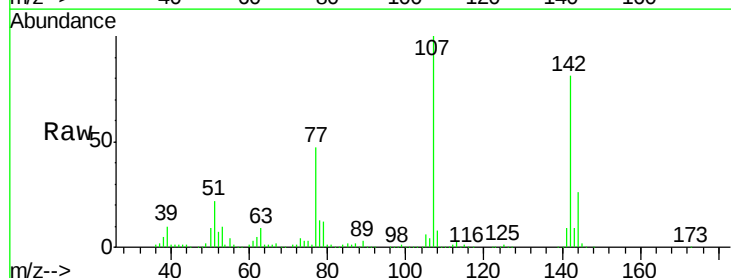
Manual Integrations
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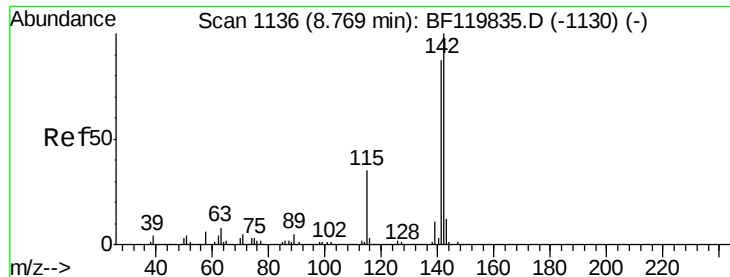
mohammad
 4/16/2020 12:53:00 PM



#36
 4-Chloro-3-methylphenol
 Concen: 52.734 ng
 RT: 8.58 min Scan# 1104
 Delta R.T. 0.01 min
 Lab File: BF120012.D
 Acq: 16 Apr 2020 00:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		598871		
144	26.2	19.5	29.3		
142	81.4	60.5	90.7		





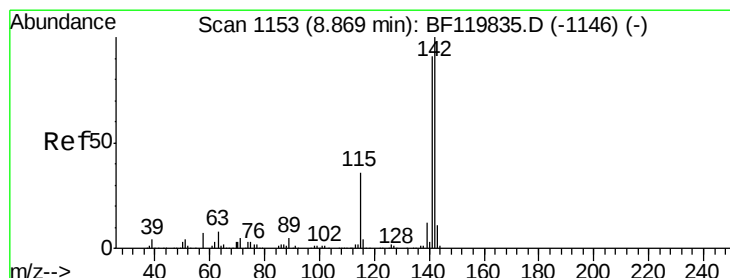
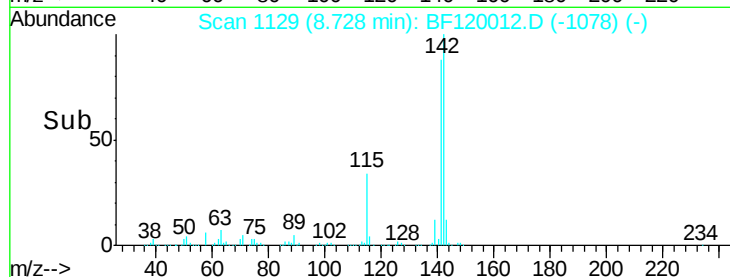
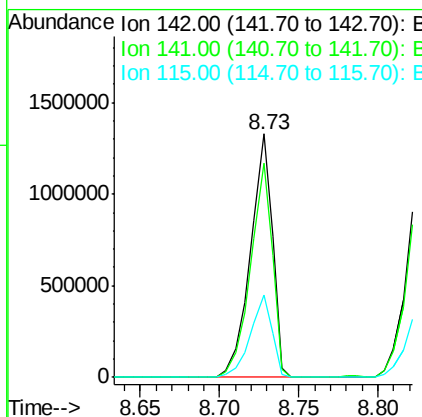
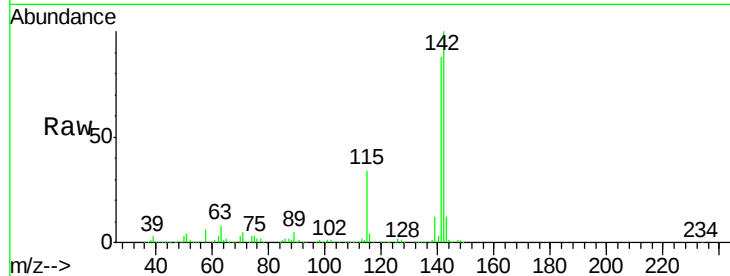
#37
2-Methylnaphthalene
Concen: 51.276 ng
RT: 8.73 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMSD

Tot Ion:142 Resp: 1277429
Ion Ratio Lower Upper
142 100
141 88.0 69.9 104.9
115 33.9 28.0 42.0

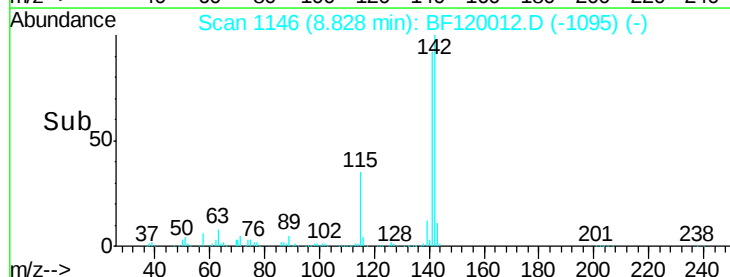
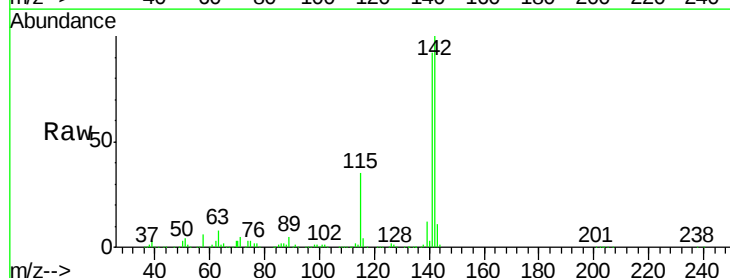
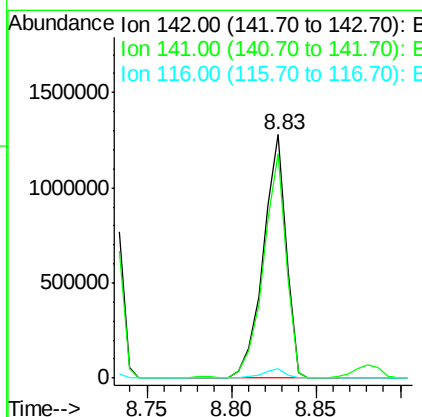
Manual Integrations
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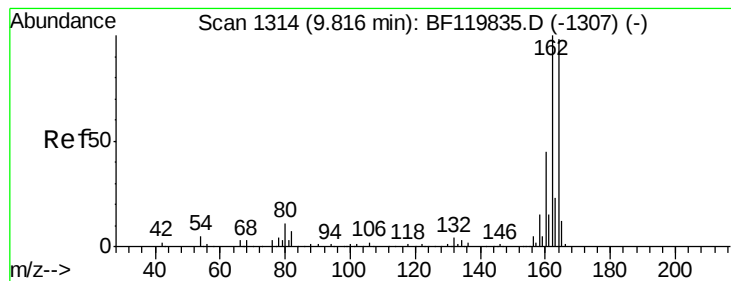
mohammad
4/16/2020 12:53:00 PM



#38
1-Methylnaphthalene
Concen: 51.013 ng
RT: 8.83 min Scan# 1146
Delta R.T. -0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tgt Ion:142 Resp: 1197859
Ion Ratio Lower Upper
142 100
141 92.2 72.9 109.3
116 3.6 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMSD

Tot Ion:164 Resp: 359993

Ion Ratio Lower Upper

164 100

162 102.5 81.9 122.9

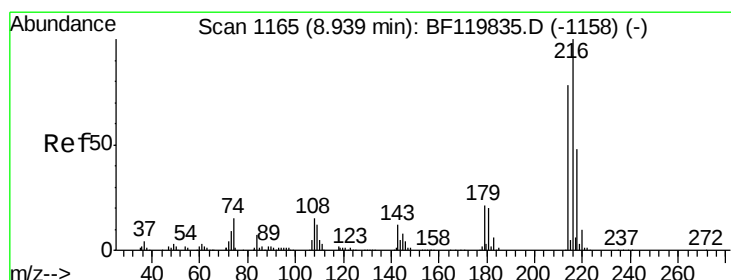
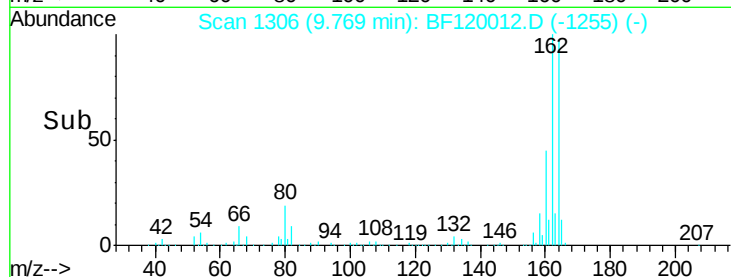
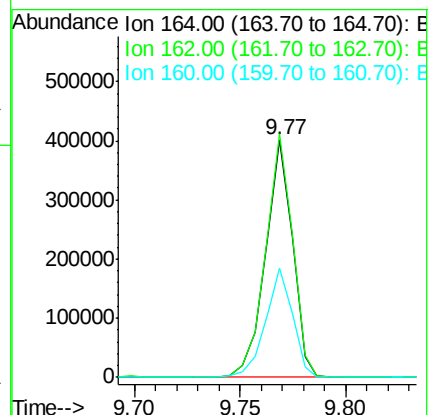
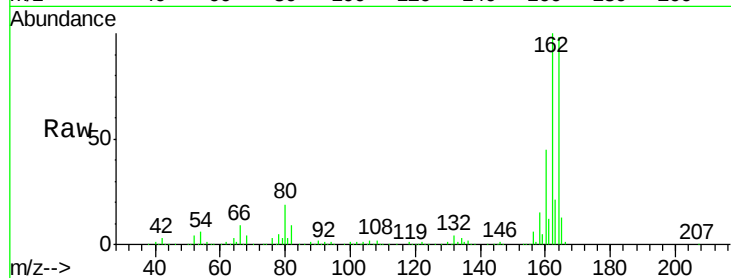
160 46.1 36.6 54.8

Manual Integrations

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mohammad

4/16/2020 12:53:00 PM



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.176 ng

RT: 8.90 min Scan# 1158

Delta R.T. 0.01 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Tgt Ion:216 Resp: 559133

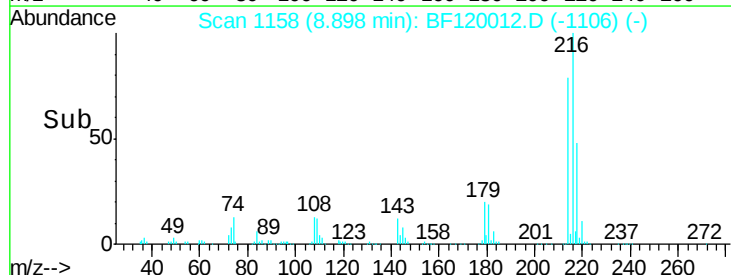
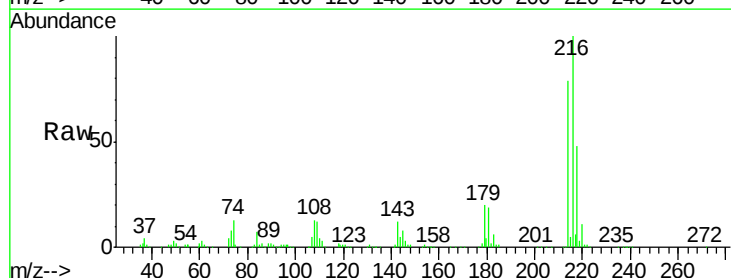
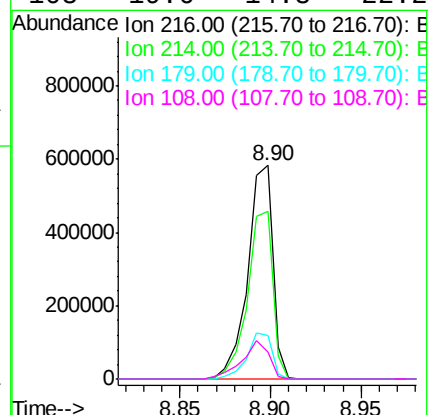
Ion Ratio Lower Upper

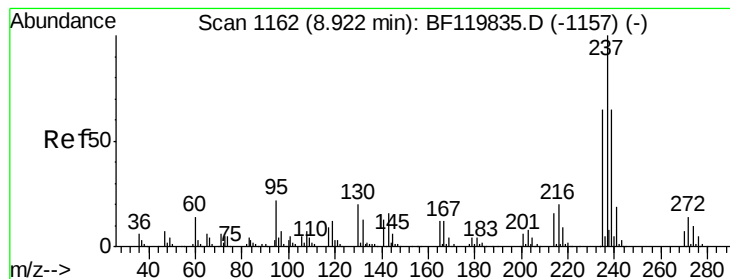
216 100

214 79.3 63.1 94.7

179 21.4 17.0 25.4

108 19.6 14.8 22.2





#41

Hexachlorocyclopentadiene

Concen: 88.188 ng

RT: 8.88 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Instrument :

BNA_F

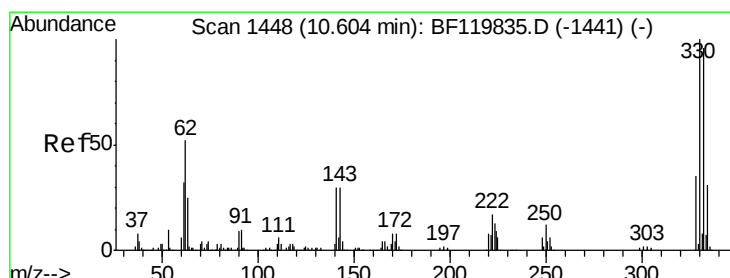
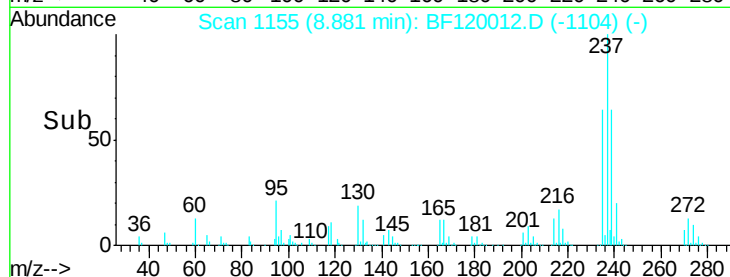
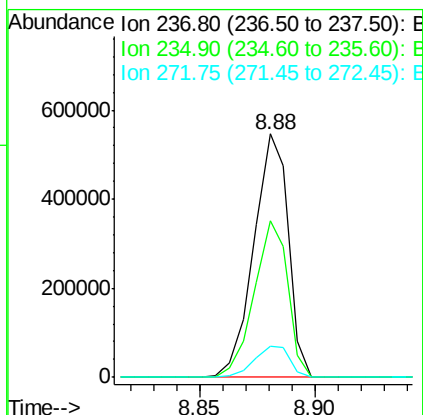
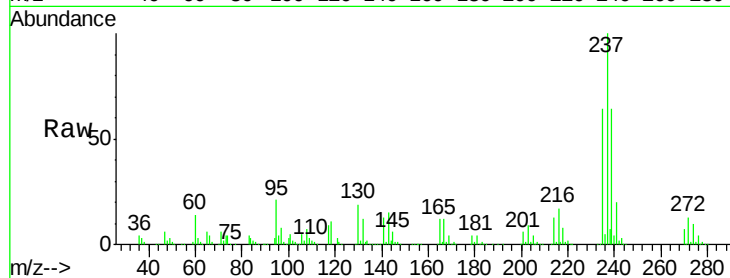
ClientSampleId :

TP-23-22-COMPMSD

Tot Ion:	237	Resp:	570181
Ion Ratio	Lower	Upper	
237	100		
235	64.2	44.9	84.9
272	13.0	0.0	33.6

Manual Integrations
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4/16/2020 12:53:00 PM



#42

2,4,6-Tribromophenol

Concen: 153.428 ng

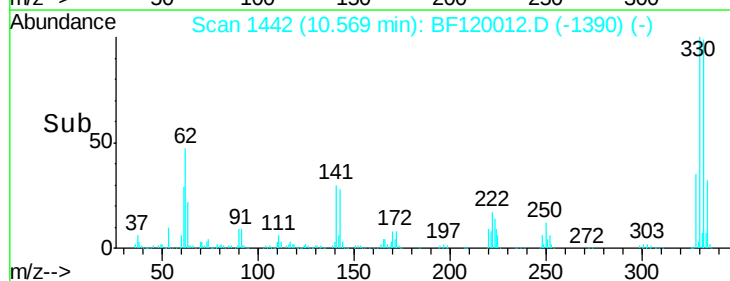
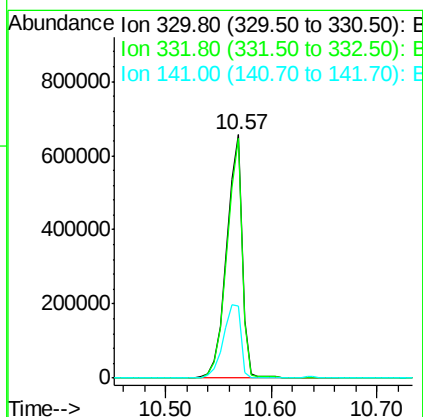
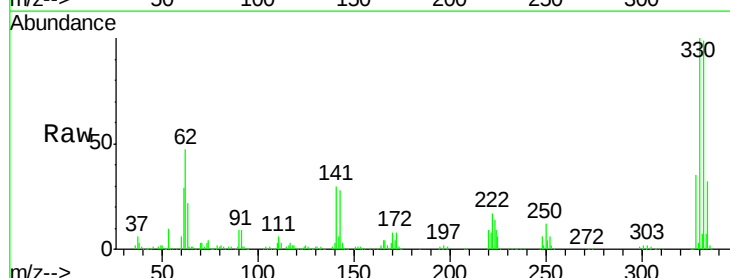
RT: 10.57 min Scan# 1442

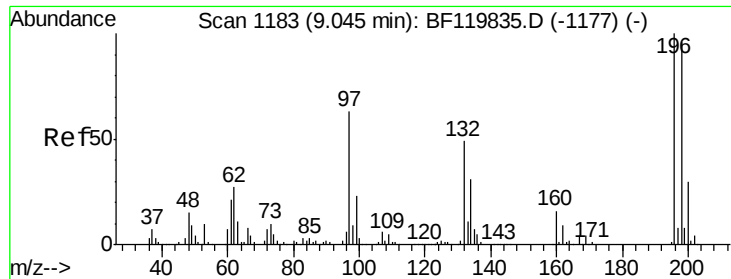
Delta R.T. 0.01 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Tgt Ion:	330	Resp:	676239
Ion Ratio	Lower	Upper	
330	100		
332	96.9	76.8	115.2
141	34.5	25.1	37.7





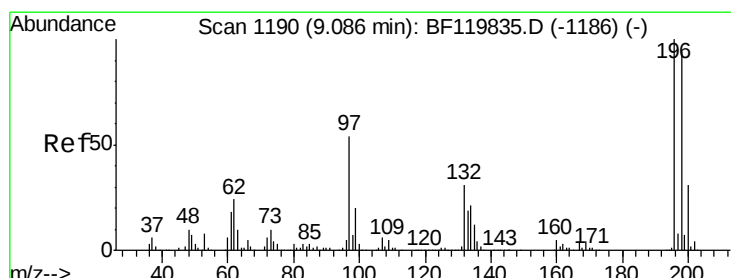
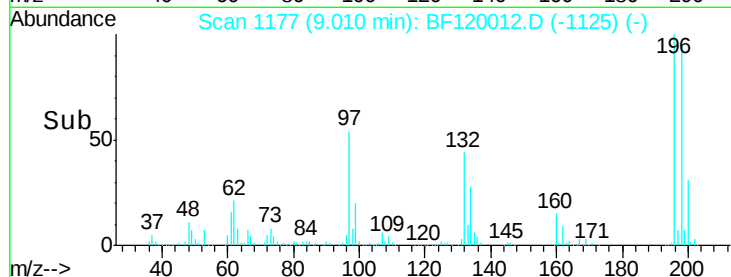
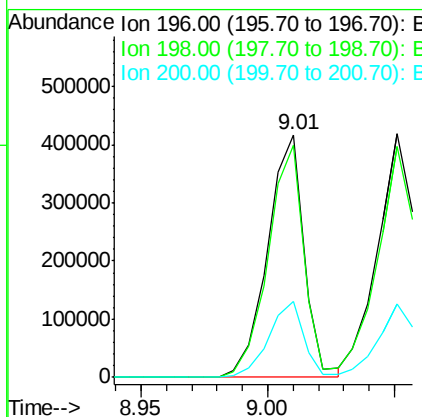
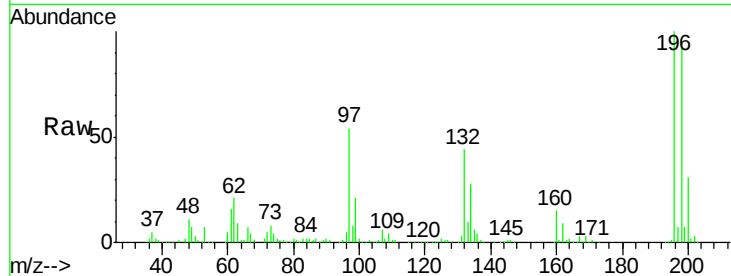
#43
 2,4,6-Trichlorophenol
 Concen: 52.795 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: BF120012.D
 Acq: 16 Apr 2020 00:37

Instrument :
 BNA_F
 ClientSampleId :
 TP-23-22-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	414522		
198	95.4	76.6	115.0	
200	31.1	24.2	36.2	

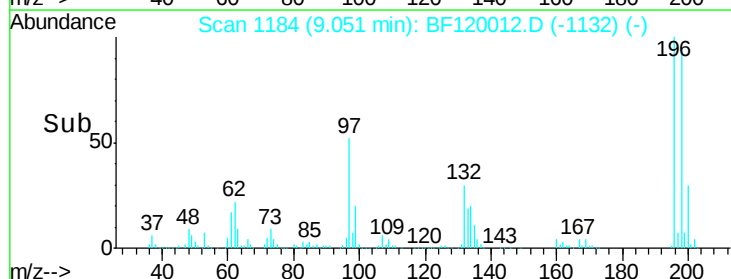
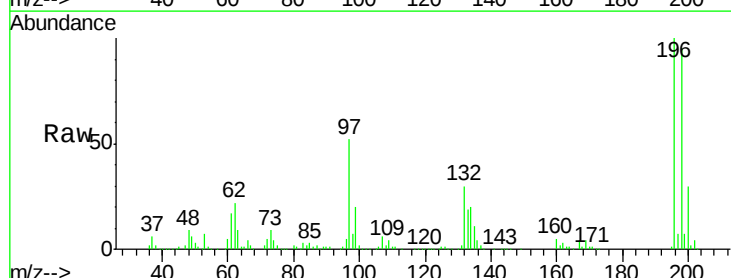
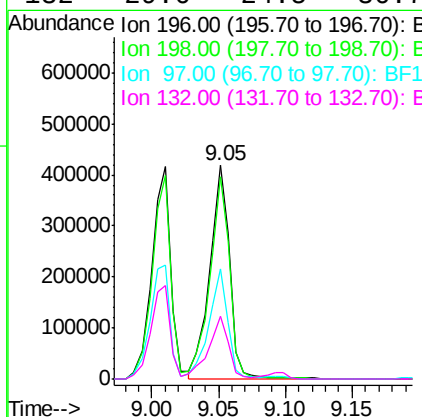
Manual Integrations
 APPROVED

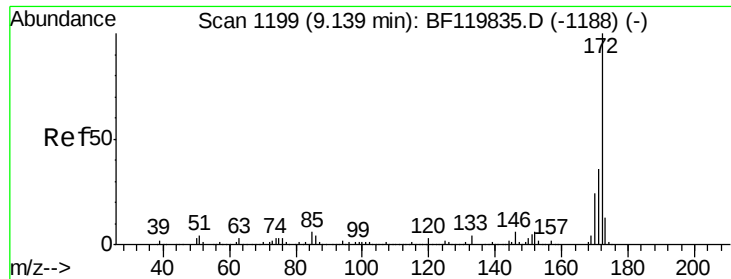
mohammad
 4/16/2020 12:53:00 PM



#44
 2,4,5-Trichlorophenol
 Concen: 49.200 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: BF120012.D
 Acq: 16 Apr 2020 00:37

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	435084		
198	94.7	75.1	112.7	
97	51.6	43.4	65.2	
132	29.6	24.5	36.7	





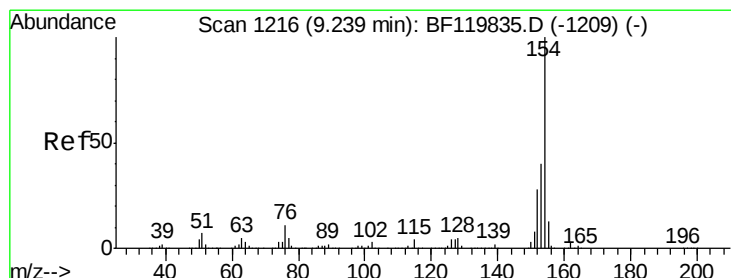
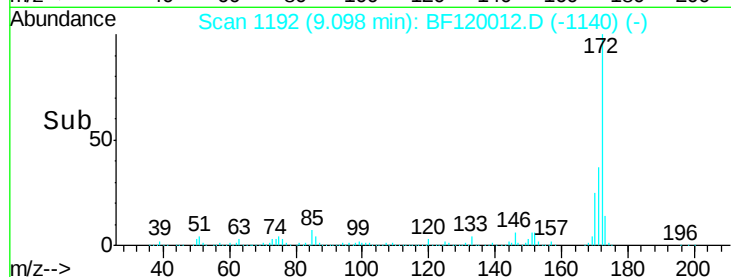
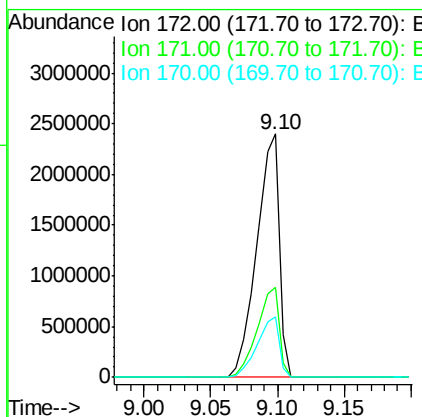
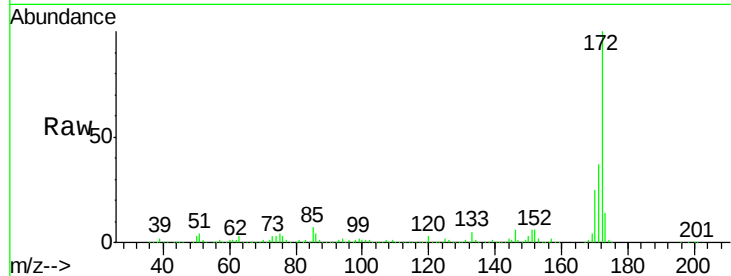
#45
2-Fluorobiphenyl
Concen: 108.914 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.01 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMSD

Tot Ion:172 Resp: 2761579
Ion Ratio Lower Upper
172 100
171 37.1 28.9 43.3
170 24.7 19.4 29.2

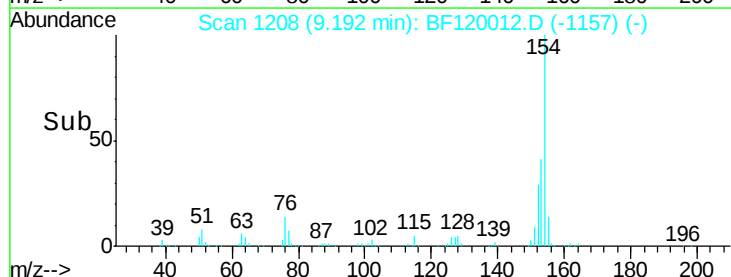
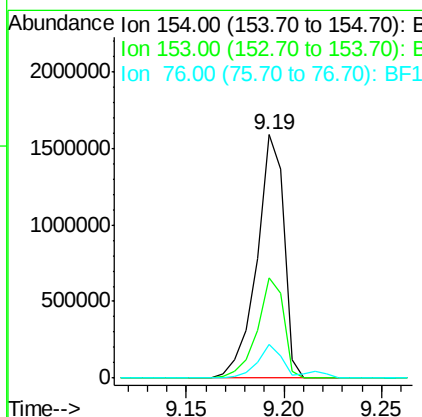
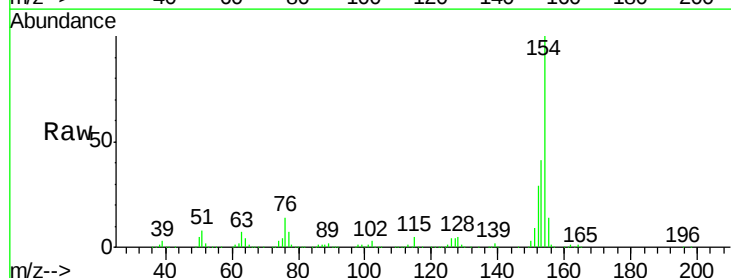
Manual Integrations
APPROVED

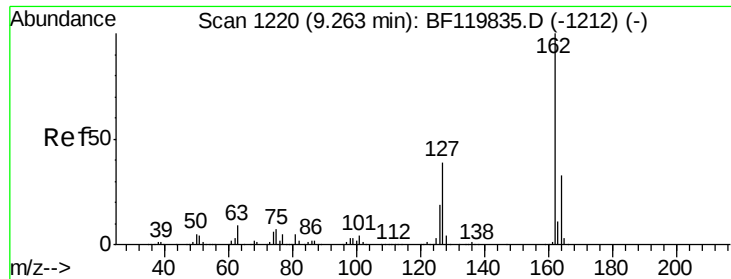
mohammad
4/16/2020 12:53:00 PM



#46
1,1'-Biphenyl
Concen: 50.195 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tgt Ion:154 Resp: 1525187
Ion Ratio Lower Upper
154 100
153 41.3 20.5 60.5
76 13.6 0.0 30.6





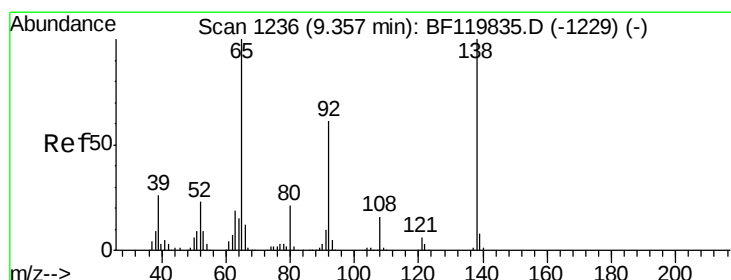
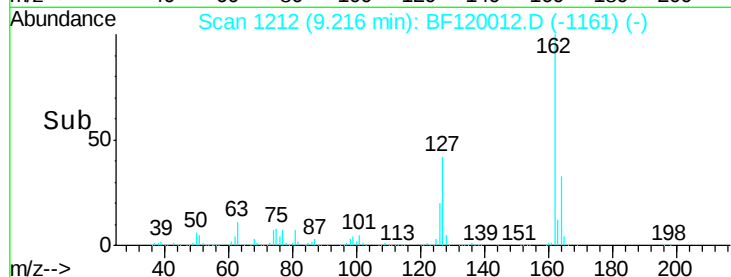
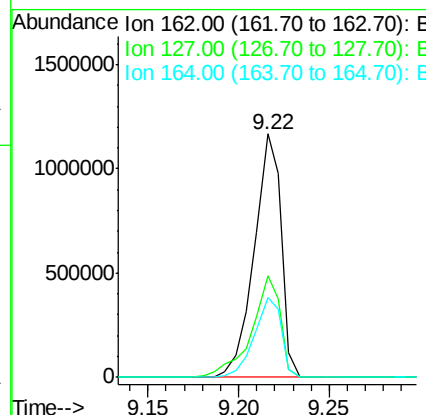
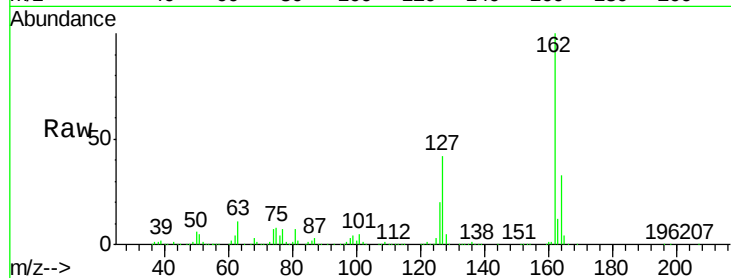
#47
 2-Chloronaphthalene
 Concen: 51.335 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: BF120012.D
 Acq: 16 Apr 2020 00:37

Instrument :
 BNA_F
 ClientSampleId :
 TP-23-22-COMPMSD

Tot Ion:	162	Resp:	1201617
Ion	Ratio	Lower	Upper
162	100		
127	41.8	31.2	46.8
164	32.7	26.3	39.5

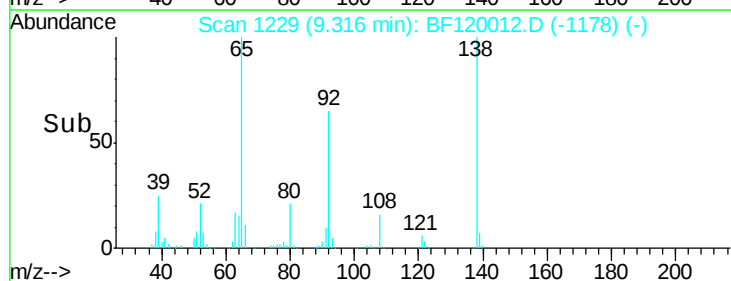
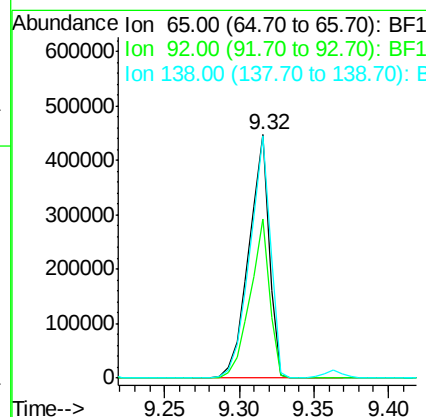
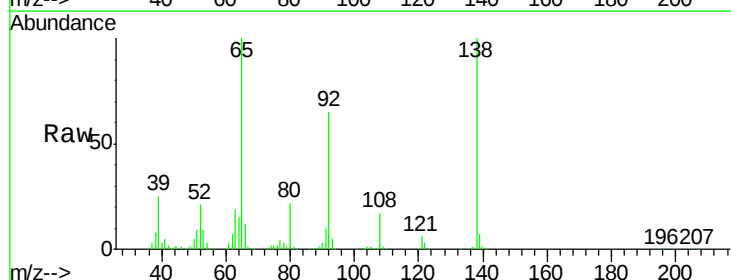
Manual Integrations
 APPROVED

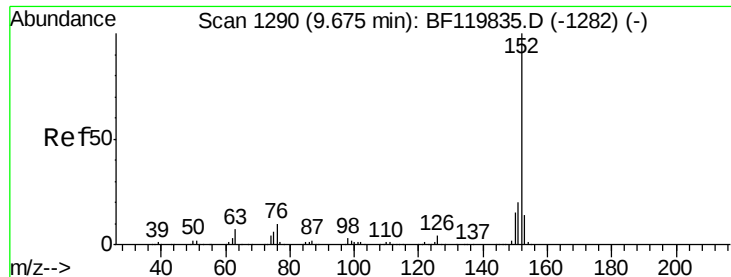
mohammad
 4/16/2020 12:53:00 PM



#48
 2-Nitroaniline
 Concen: 49.940 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: BF120012.D
 Acq: 16 Apr 2020 00:37

Tgt Ion:	65	Resp:	423619
Ion	Ratio	Lower	Upper
65	100		
92	65.3	49.0	73.6
138	99.6	79.7	119.5





#49

Acenaphthylene

Concen: 51.754 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.00 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMSD

Tot Ion:152 Resp: 1842345

Ion Ratio Lower Upper

152 100

151 21.2 16.2 24.4

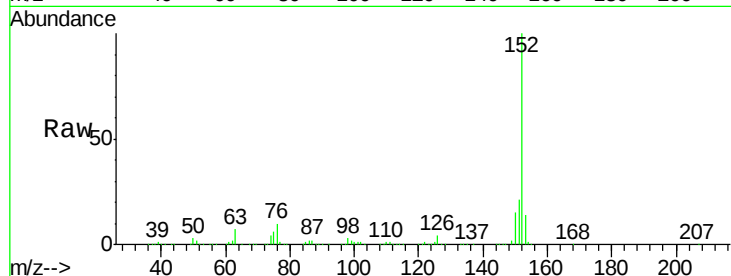
153 13.9 10.9 16.3

Manual Integrations

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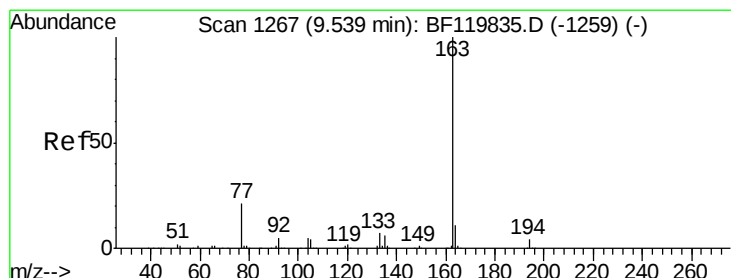
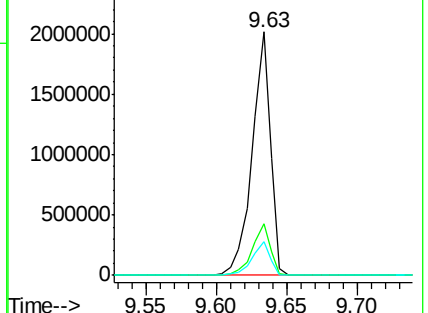
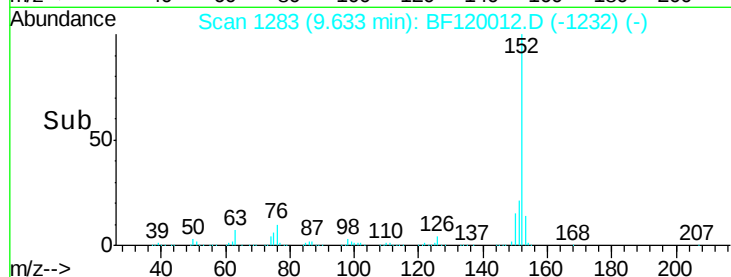
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 55.973 ng

RT: 9.50 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

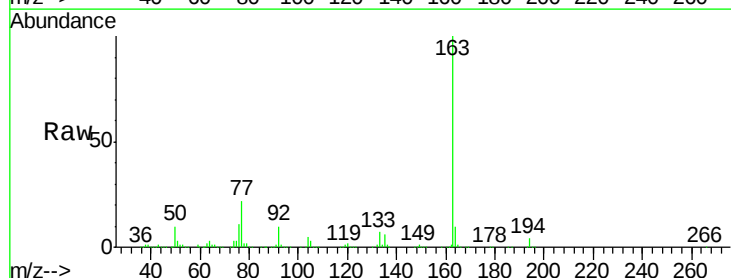
Tgt Ion:163 Resp: 1558562

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.4

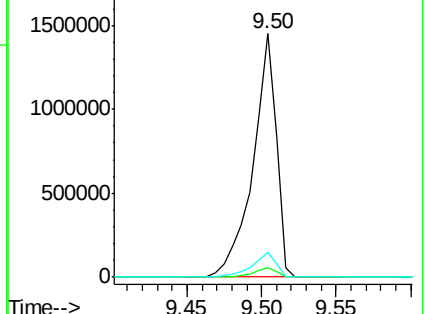
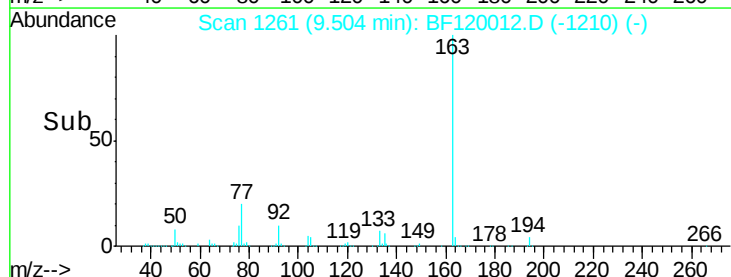
164 10.4 8.4 12.6

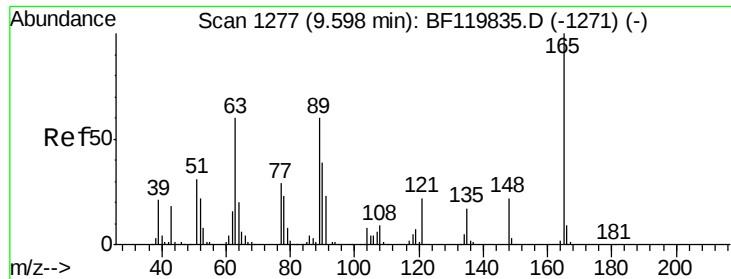


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 51.782 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.00 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Instrument :

BNA_F

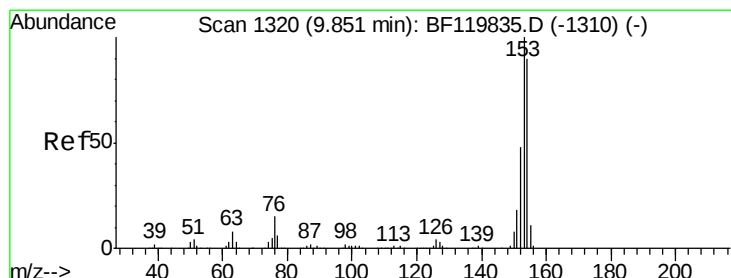
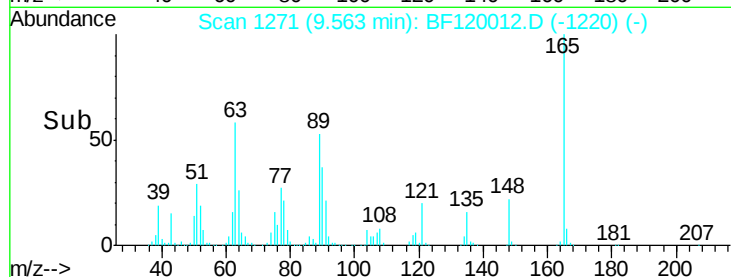
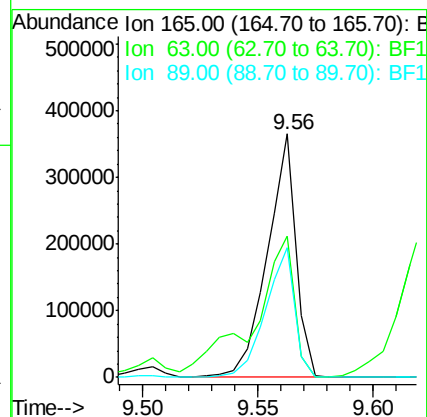
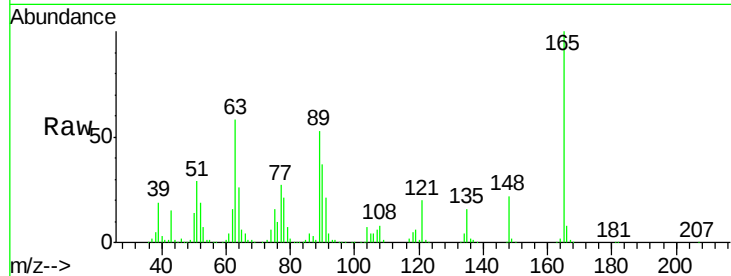
ClientSampleId :

TP-23-22-COMPMSD

Tot Ion:	165	Resp:	315746
Ion Ratio	Lower	Upper	
165	100		
63	57.9	55.6	83.4
89	53.1	47.9	71.9

Manual Integrations
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#52

Acenaphthene

Concen: 47.151 ng

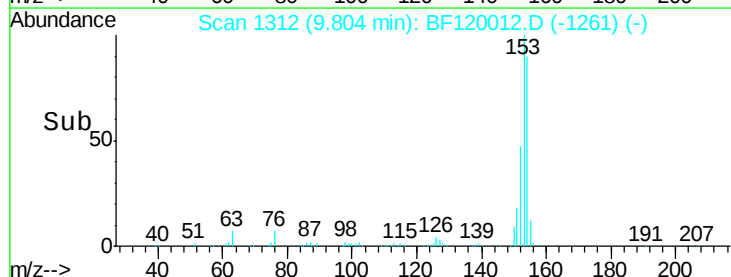
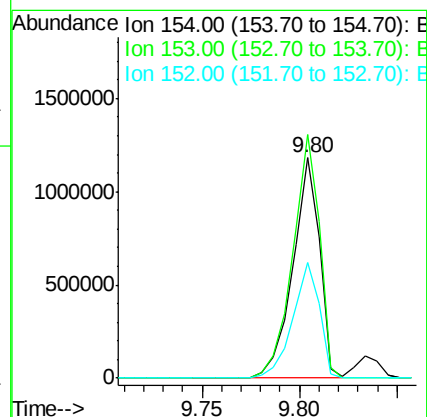
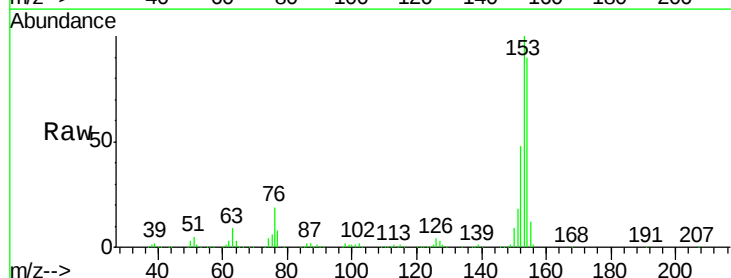
RT: 9.80 min Scan# 1312

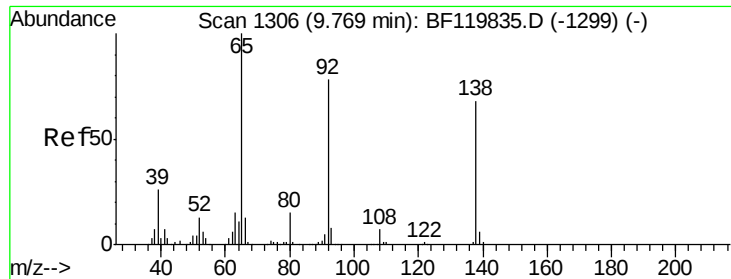
Delta R.T. 0.00 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Tgt Ion:	154	Resp:	1119651
Ion Ratio	Lower	Upper	
154	100		
153	110.5	88.8	133.2
152	52.5	42.4	63.6





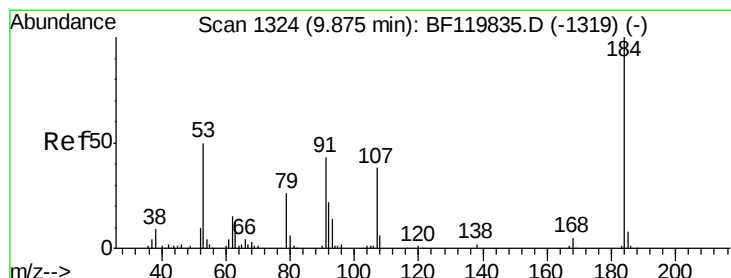
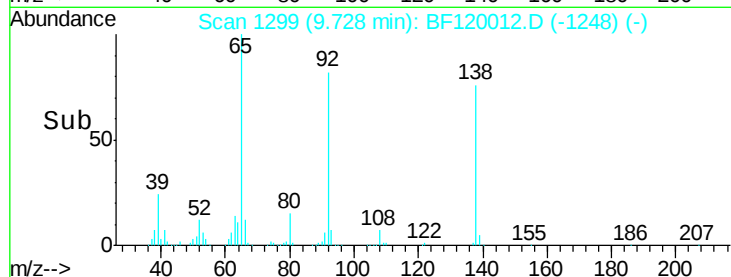
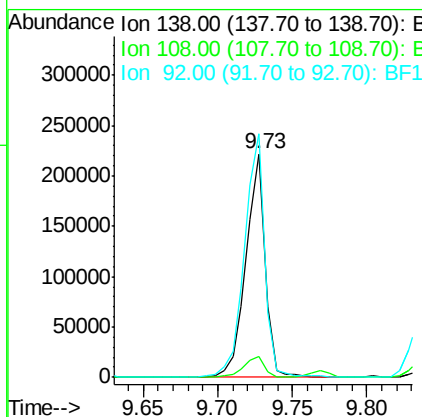
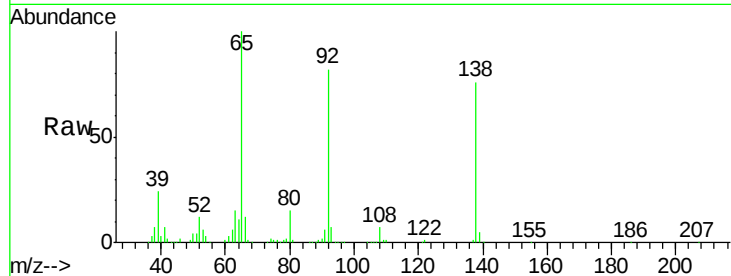
#53
3-Nitroaniline
Concen: 28.573 ng
RT: 9.73 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100			
108	9.4	8.0	12.0	
92	108.9	92.1	138.1	

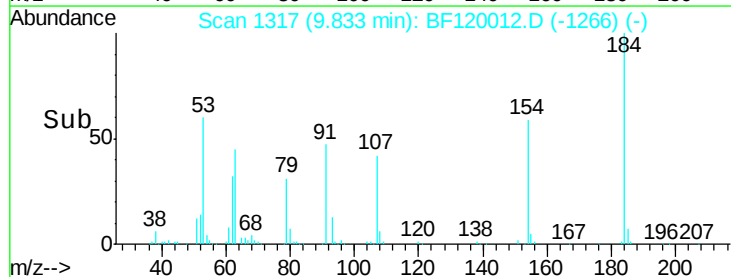
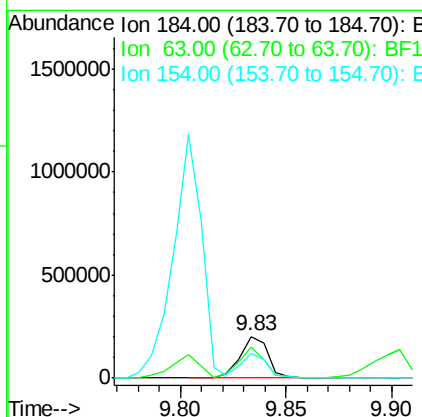
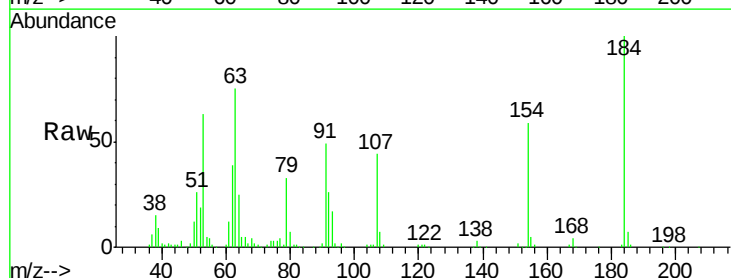
Manual Integrations
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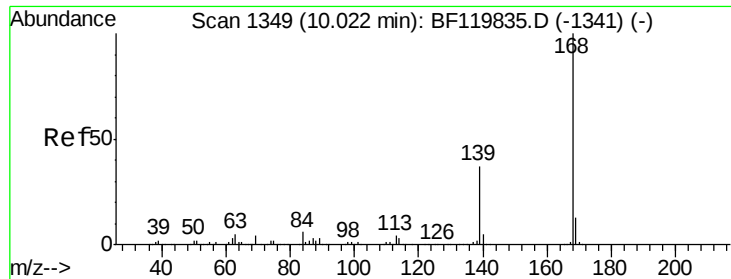
mohammad
4/16/2020 12:53:00 PM



#54
2,4-Dinitrophenol
Concen: 51.570 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tgt Ion	Ratio	Resp	Lower	Upper
184	100			
63	75.2	49.8	74.6	
154	58.8	46.5	69.7	





#55

Dibenzofuran

Concen: 50.528 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.01 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMSD

Tot Ion:168 Resp: 1646509

Ion Ratio Lower Upper

168 100

139 35.9 29.8 44.6

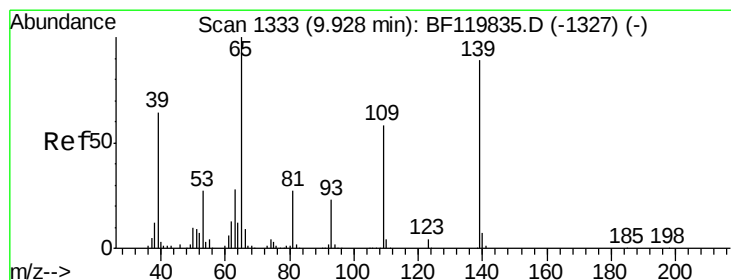
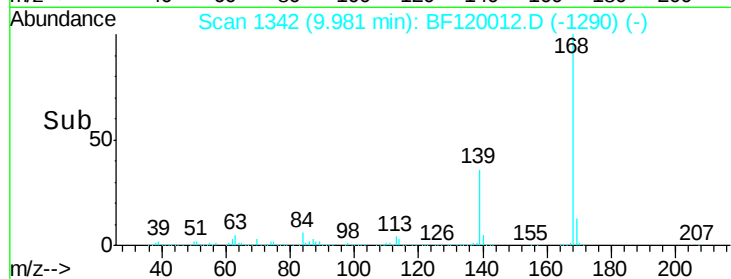
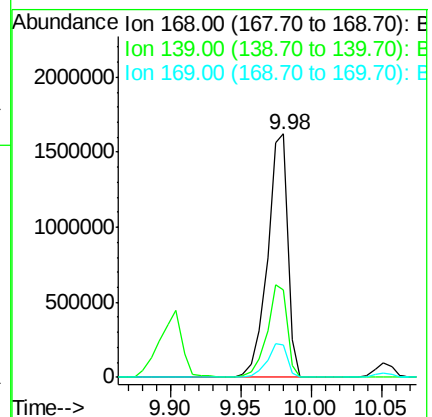
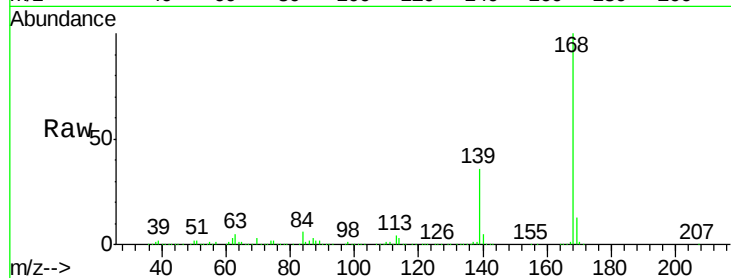
169 13.4 10.6 15.8

Manual Integrations

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mohammad

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#56

4-Nitrophenol

Concen: 96.476 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.01 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

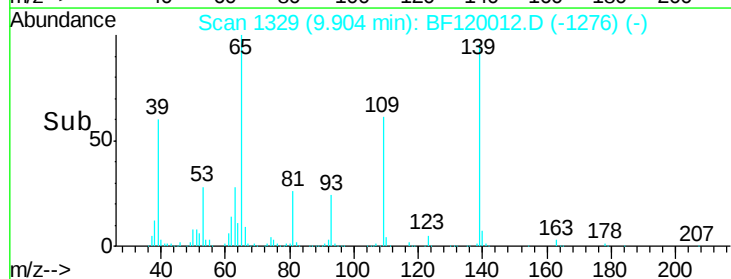
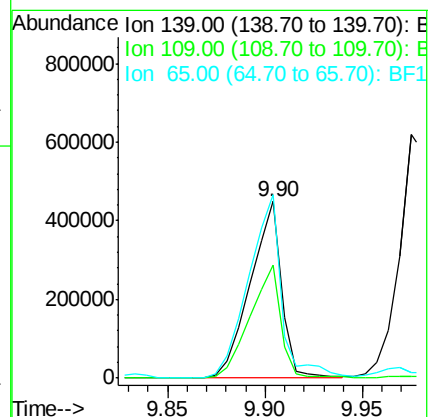
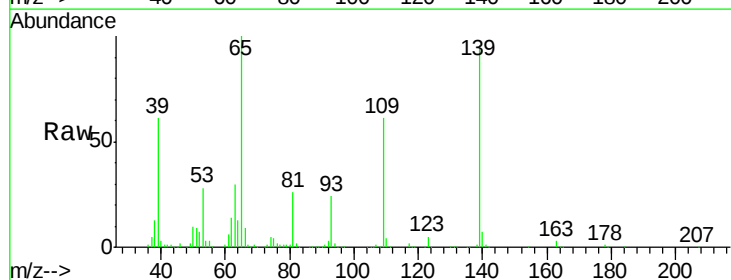
Tgt Ion:139 Resp: 499898

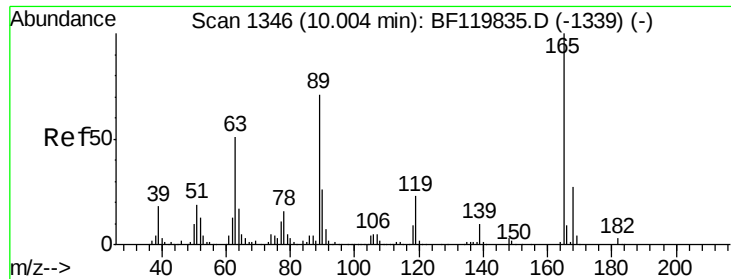
Ion Ratio Lower Upper

139 100

109 63.8 45.5 85.5

65 104.2 92.3 132.3





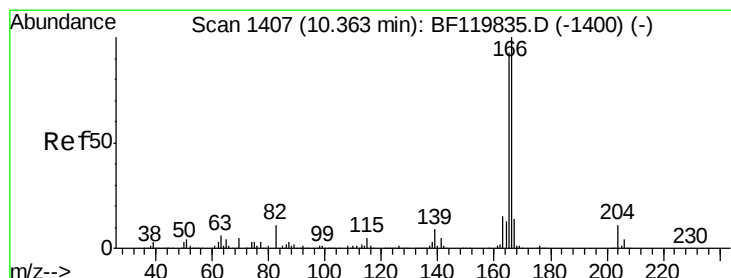
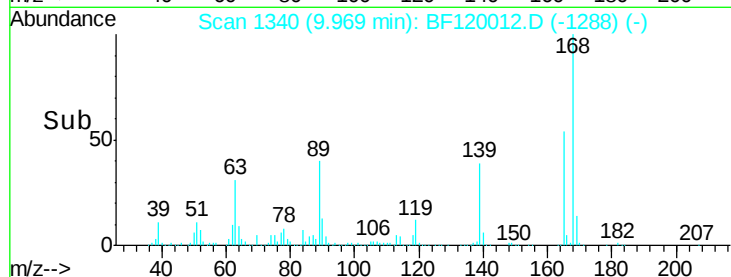
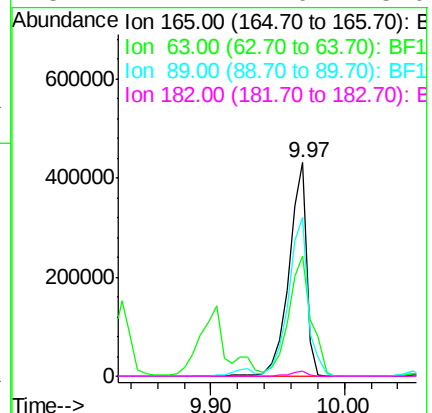
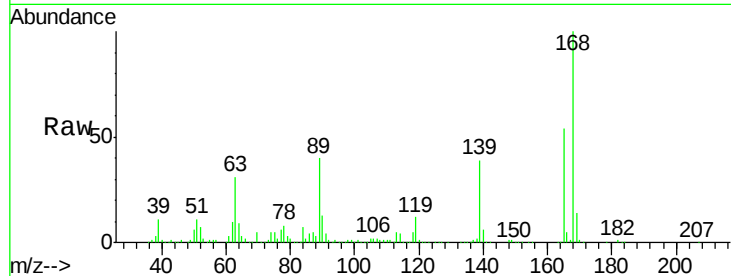
#57
2,4-Dinitrotoluene
Concen: 49.936 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.01 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		401166		
63	56.6		40.8	61.2	
89	74.1		56.9	85.3	
182	2.4		2.0	3.0	

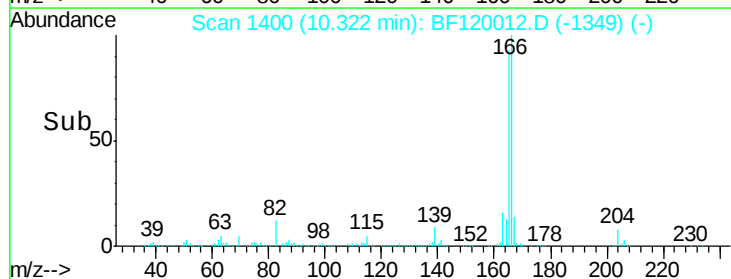
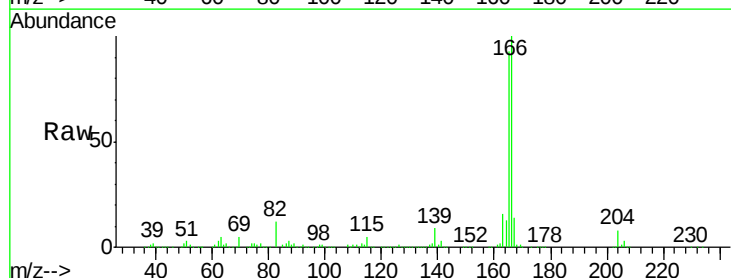
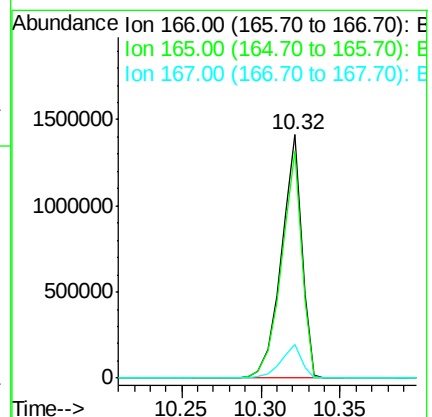
Manual Integrations
APPROVED

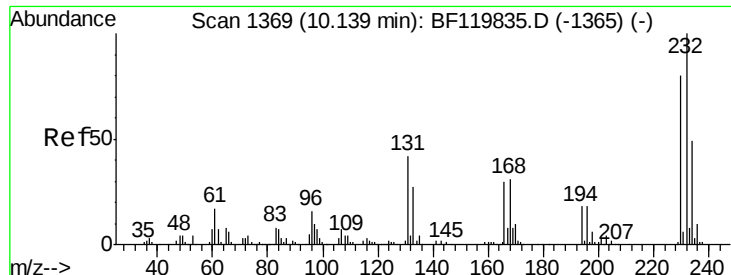
mohammad
4/16/2020 12:53:00 PM



#58
Fluorene
Concen: 48.496 ng
RT: 10.32 min Scan# 1400
Delta R.T. -0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		1263838		
165	93.2		74.2	111.2	
167	14.0		10.8	16.2	





#59

2,3,4,6-Tetrachlorophenol

Concen: 52.441 ng

RT: 10.10 min Scan# 1362

Delta R.T. 0.01 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMSD

Tot Ion:232 Resp: 354681

Ion Ratio Lower Upper

232 100

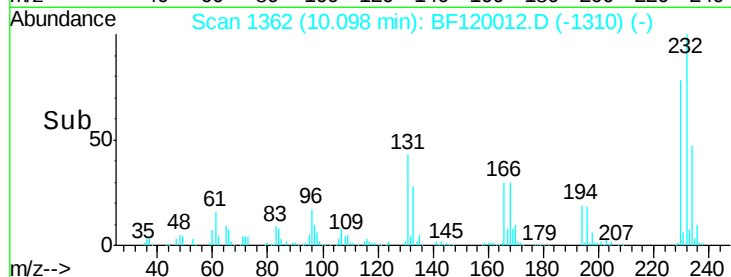
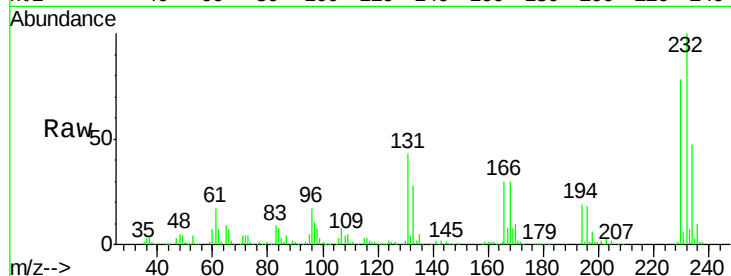
131 46.7 37.9 56.9

130 2.3 1.8 2.6

166 31.1 25.4 38.0

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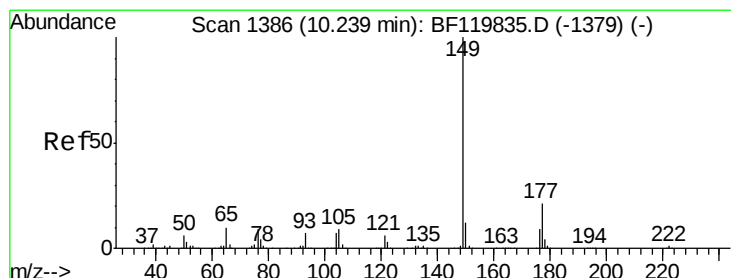
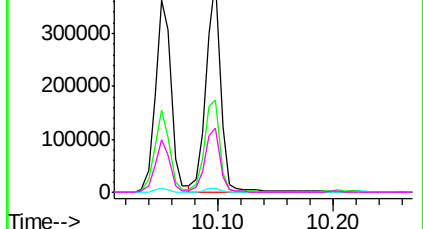


Abundance Ion 232.00 (231.70 to 232.70): E

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: 49.819 ng

RT: 10.20 min Scan# 1380

Delta R.T. 0.01 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

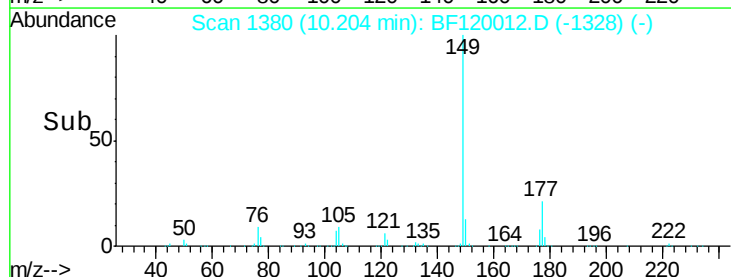
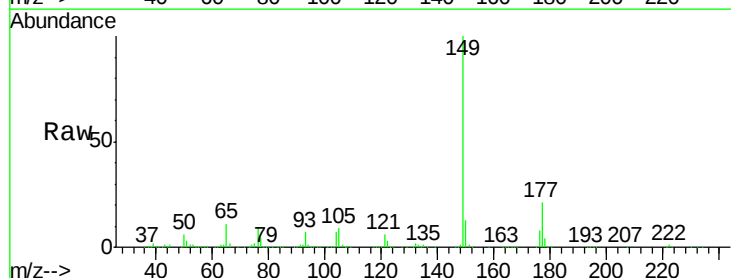
Tgt Ion:149 Resp: 1437744

Ion Ratio Lower Upper

149 100

177 21.3 16.8 25.2

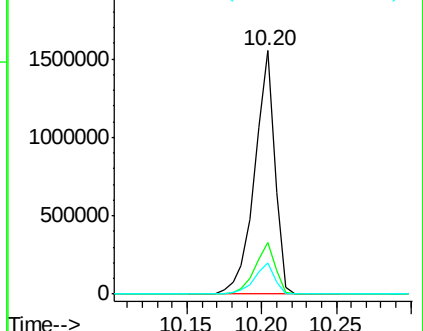
150 12.7 9.8 14.6

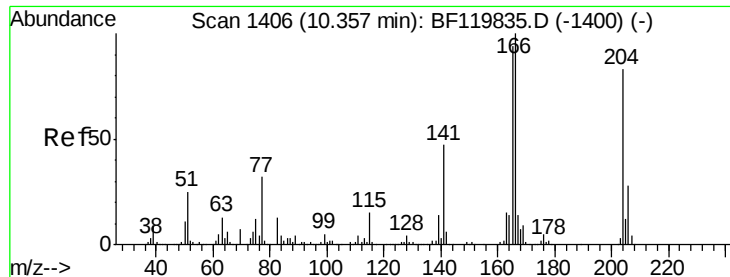


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





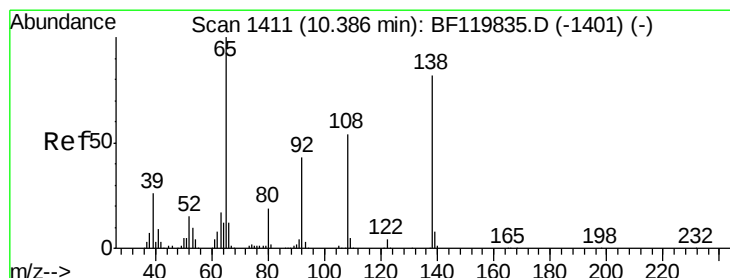
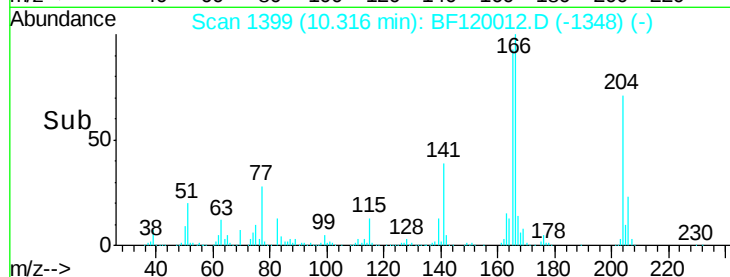
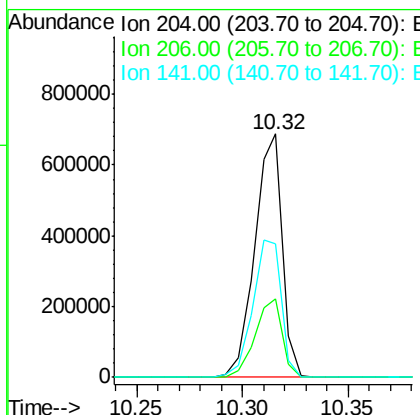
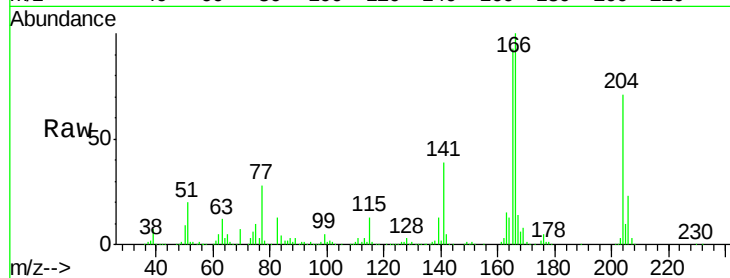
#61
4-Chlorophenyl-phenylether
Concen: 46.601 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.7	40.1
141	54.8	45.8	68.8

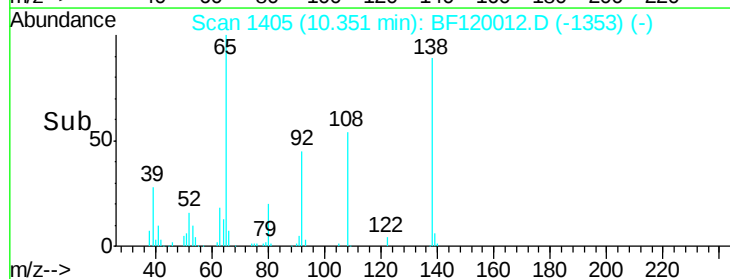
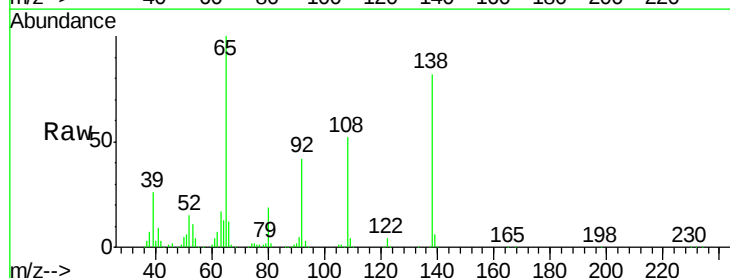
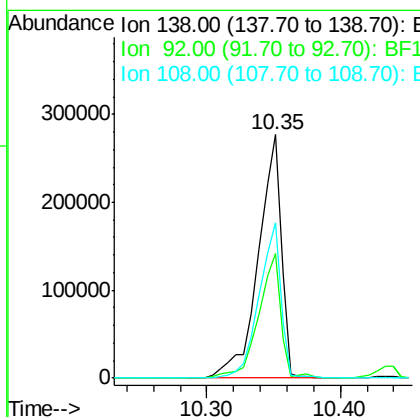
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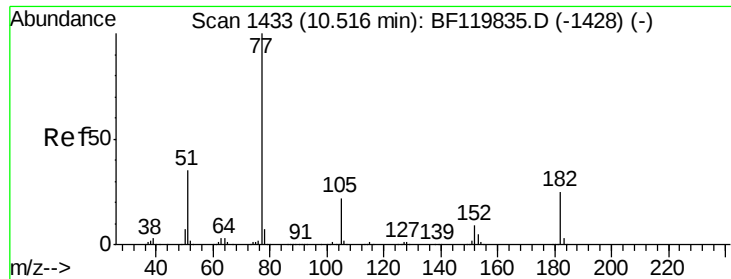
mohammad
4/16/2020 12:53:00 PM



#62
4-Nitroaniline
Concen: 49.576 ng
RT: 10.35 min Scan# 1405
Delta R.T. 0.01 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tgt Ion	Ratio	Lower	Upper
138	100		
92	51.0	31.6	71.6
108	63.8	45.2	85.2





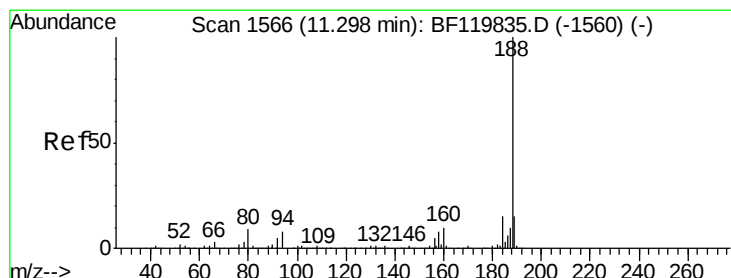
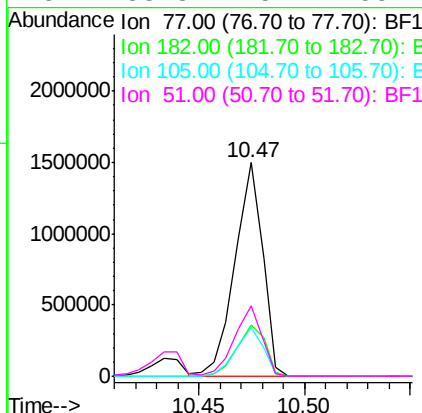
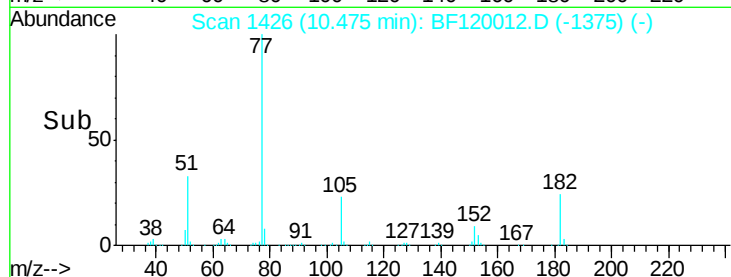
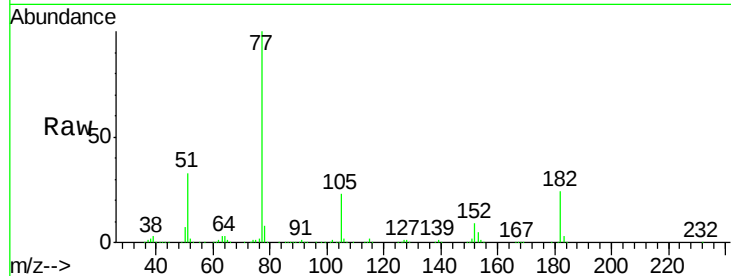
#63
Azobenzene
Concen: 52.574 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMSD

Tot Ion: 77 Resp: 1359755
Ion Ratio Lower Upper
77 100
182 24.2 4.5 44.5
105 22.9 2.2 42.2
51 33.3 15.1 55.1

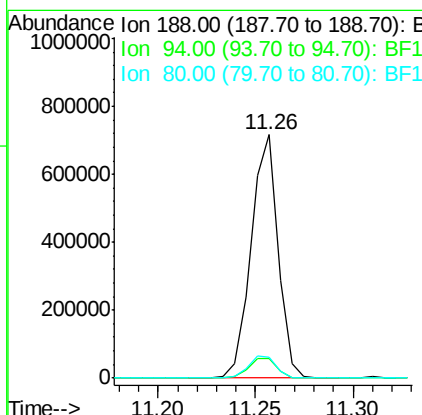
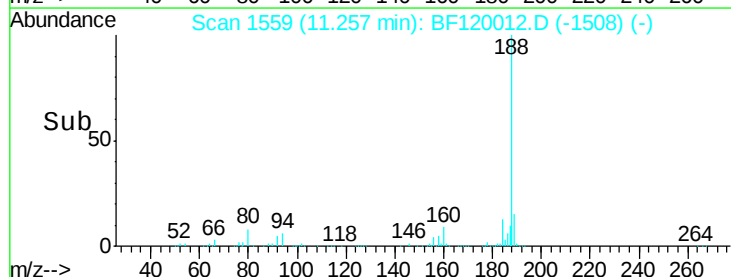
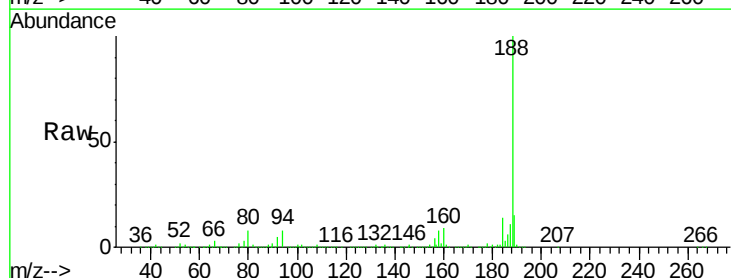
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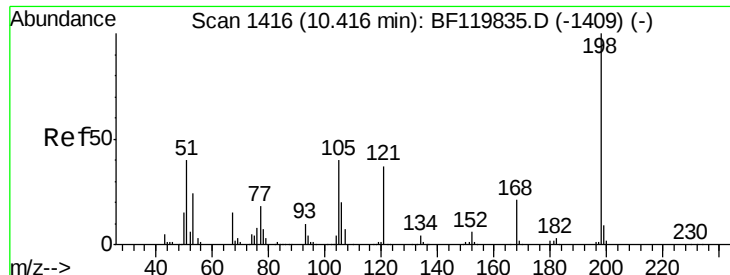
mohammad
4/16/2020 12:53:00 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tgt Ion: 188 Resp: 683370
Ion Ratio Lower Upper
188 100
94 8.3 6.7 10.1
80 8.5 7.4 11.2





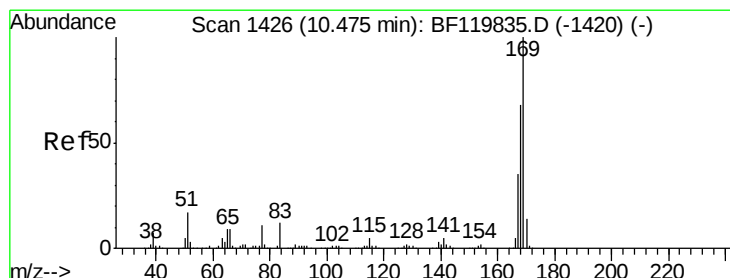
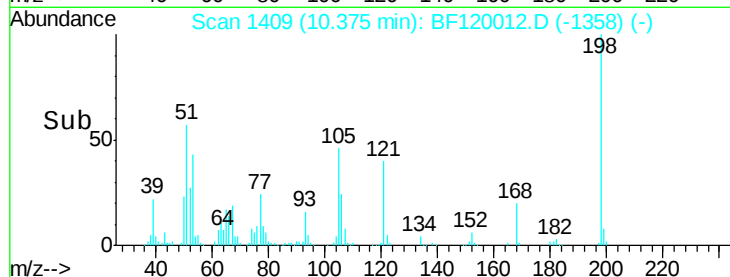
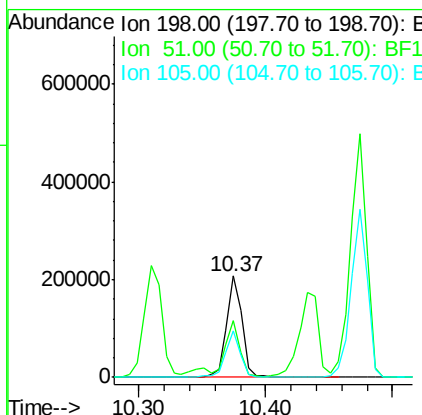
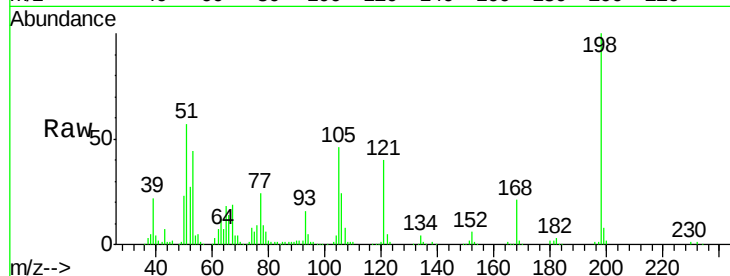
#65
4,6-Dinitro-2-methylphenol
Concen: 38.942 ng
RT: 10.37 min Scan# 1409
Delta R.T. 0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	56.6	25.2	65.2
105	45.6	20.8	60.8

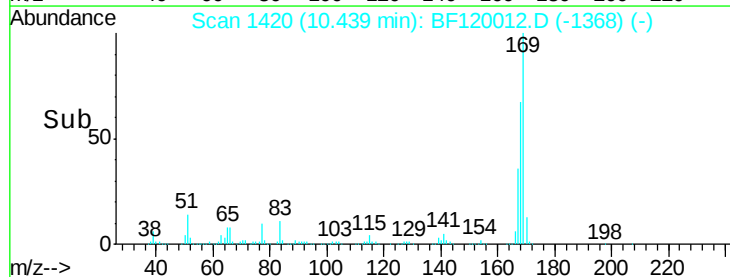
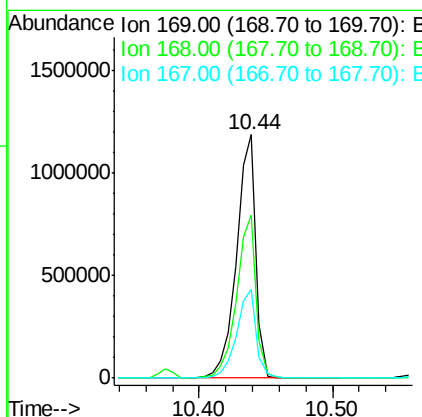
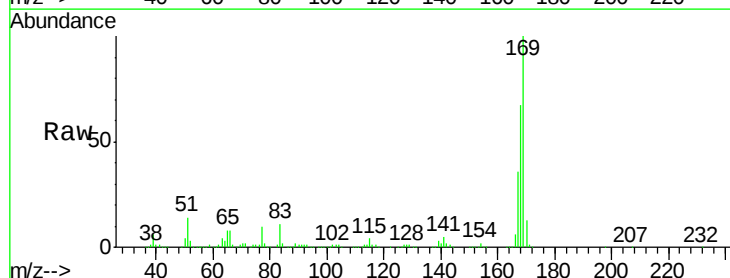
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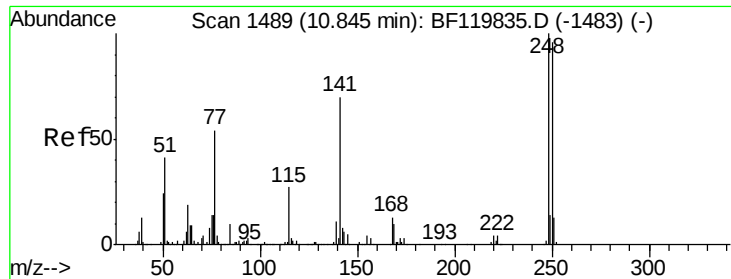
mohammad
4/16/2020 12:53:00 PM



#66
n-Nitrosodiphenylamine
Concen: 52.750 ng
RT: 10.44 min Scan# 1420
Delta R.T. 0.01 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.7	54.2	81.4
167	36.3	28.3	42.5





#67

4-Bromophenyl-phenylether

Concen: 46.198 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Instrument :

BNA_F

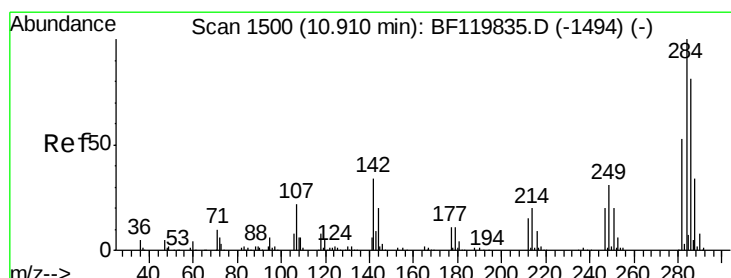
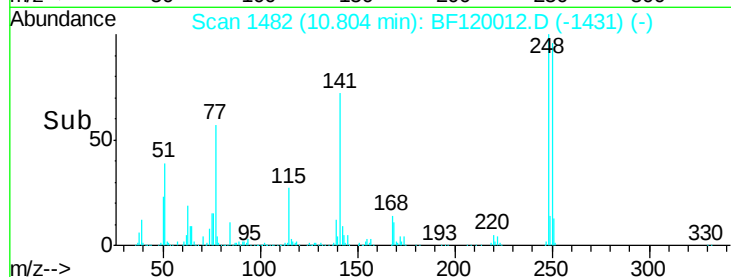
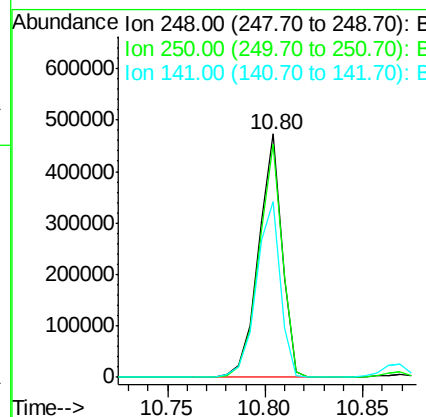
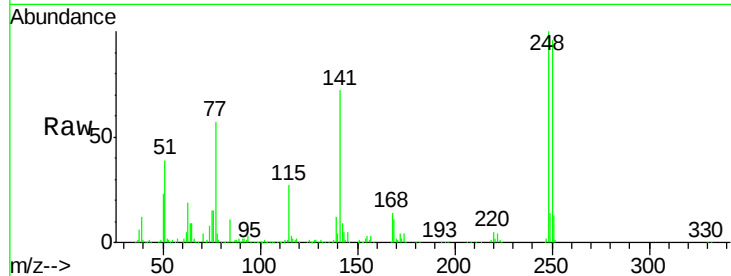
ClientSampleId :

TP-23-22-COMPMSD

Tot Ion:	248	Resp:	392608
Ion Ratio	Lower	Upper	
248	100		
250	95.7	76.6	114.8
141	72.1	55.9	83.9

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#68

Hexachlorobenzene

Concen: 48.967 ng

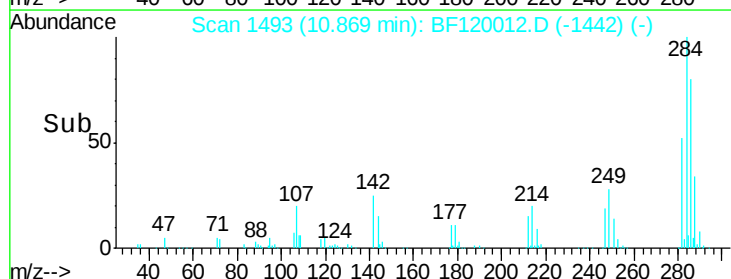
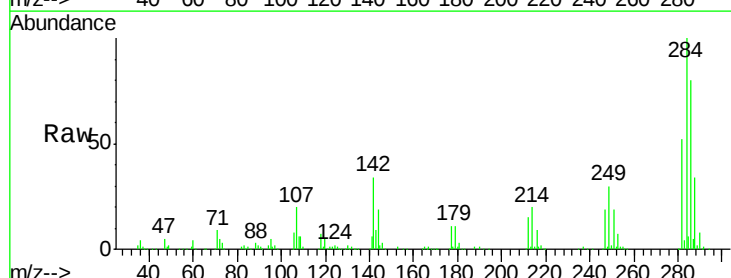
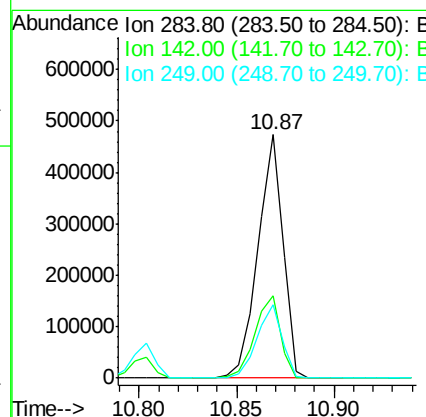
RT: 10.87 min Scan# 1493

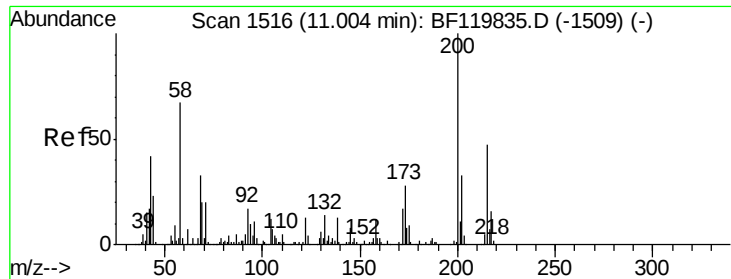
Delta R.T. 0.00 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Tgt Ion:	284	Resp:	422162
Ion Ratio	Lower	Upper	
284	100		
142	33.6	26.9	40.3
249	30.3	24.6	37.0





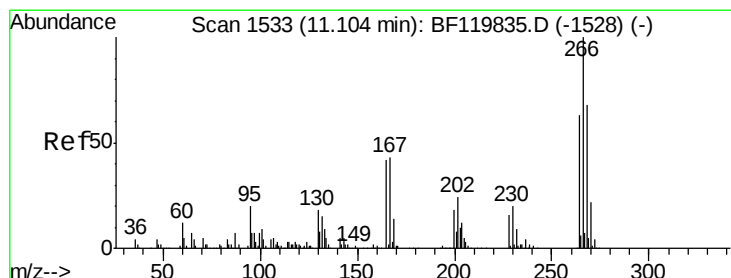
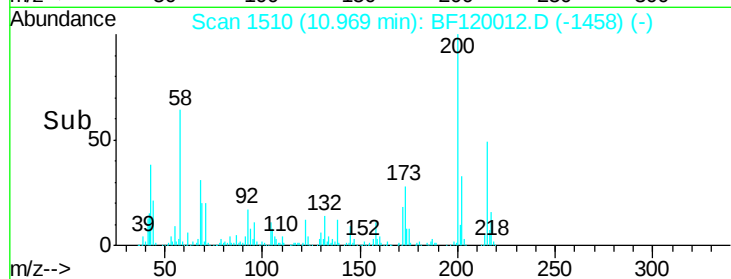
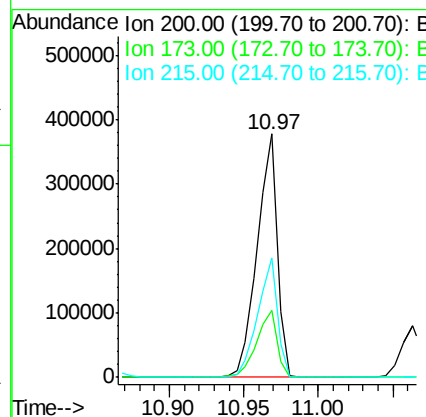
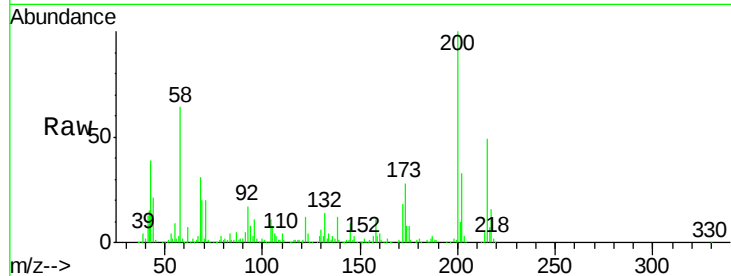
#69
Atrazine
Concen: 55.477 ng
RT: 10.97 min Scan# 1510
Delta R.T. 0.01 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100			
173	27.6	8.0	48.0	
215	49.2	27.1	67.1	

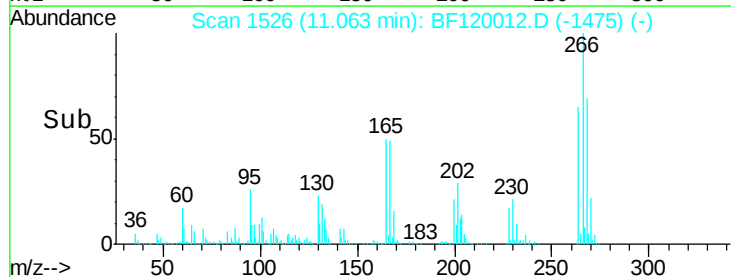
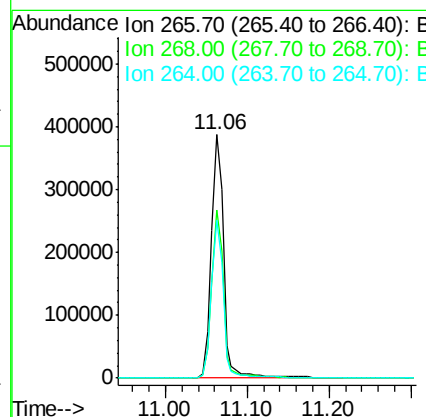
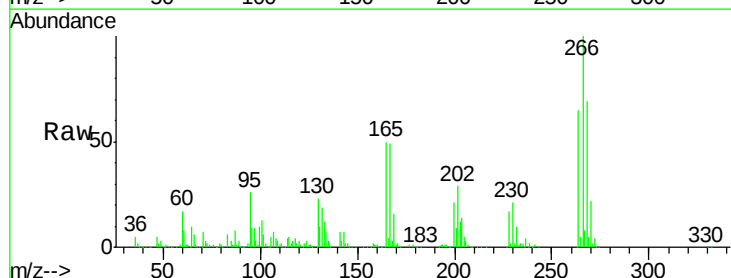
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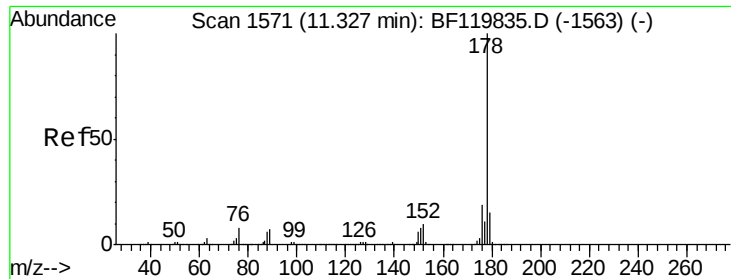
mohammad
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#70
Pentachlorophenol
Concen: 81.534 ng
RT: 11.06 min Scan# 1526
Delta R.T. -0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tgt Ion	Ratio	Resp	Lower	Upper
266	100			
268	69.2	54.2	81.4	
264	64.7	50.6	76.0	





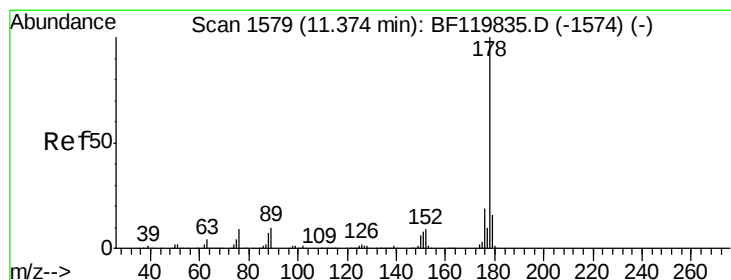
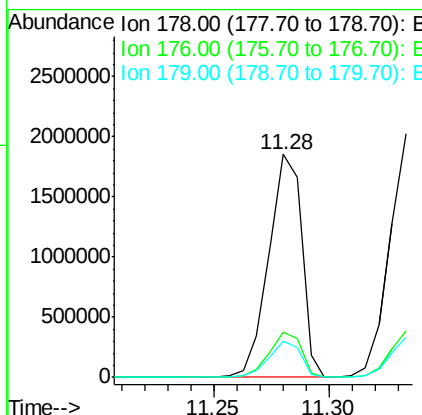
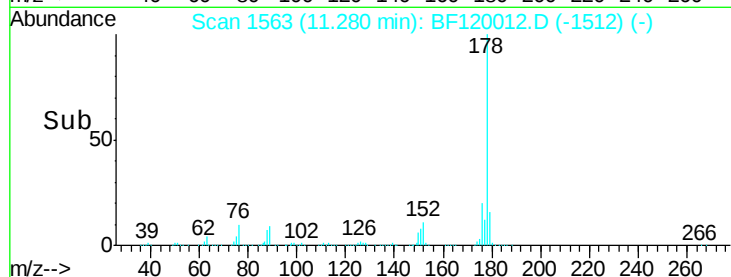
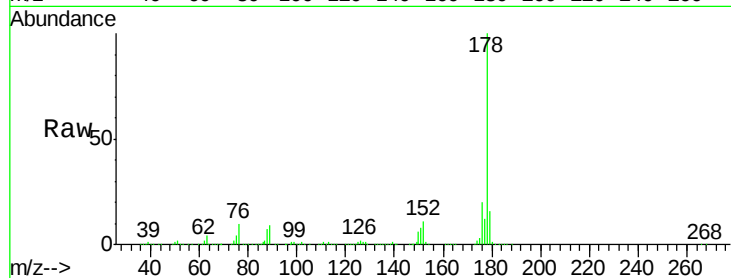
#71
Phenanthrene
Concen: 50.701 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMSD

Tot Ion:178 Resp: 1843994
Ion Ratio Lower Upper
178 100
176 20.0 15.1 22.7
179 16.3 12.2 18.4

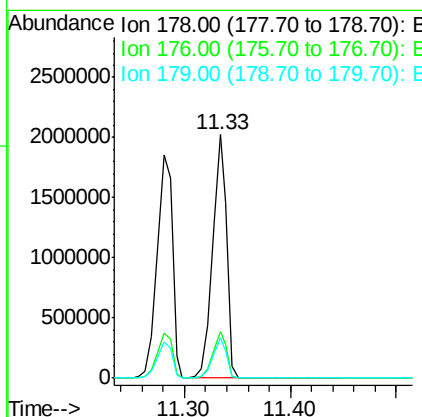
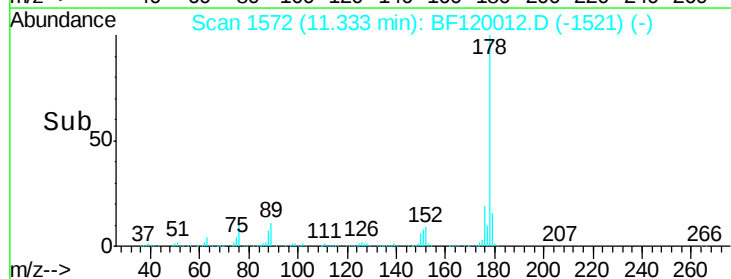
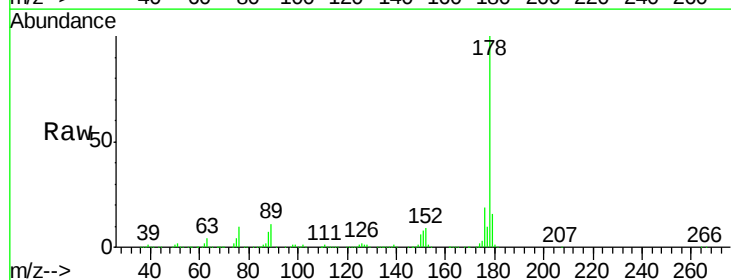
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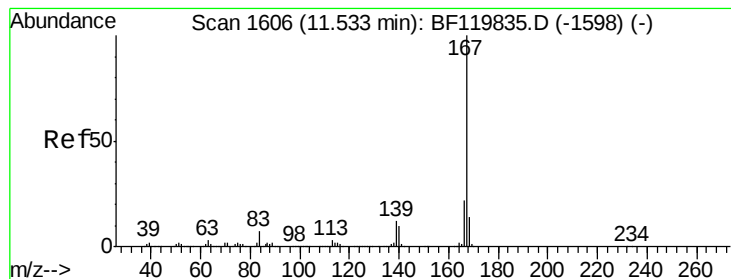
mohammad
4/16/2020 12:53:00 PM



#72
Anthracene
Concen: 51.510 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tgt Ion:178 Resp: 1913804
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 16.2 12.8 19.2





#73

Carbazole

Concen: 50.227 ng

RT: 11.49 min Scan# 1599

Delta R.T. 0.01 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMSD

Tot Ion:167 Resp: 1764753

Ion Ratio Lower Upper

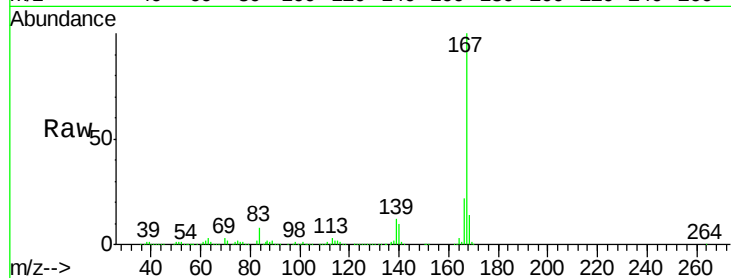
167 100

166 22.2 17.4 26.0

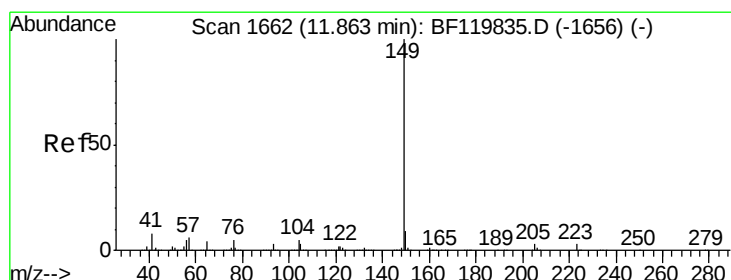
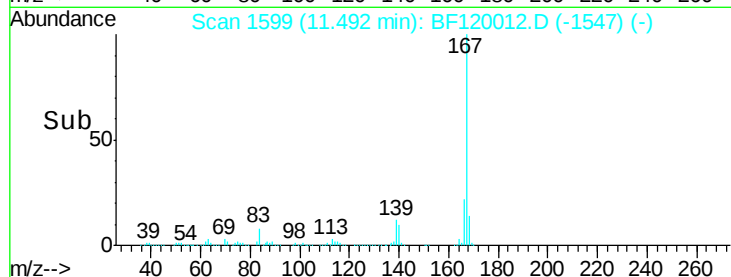
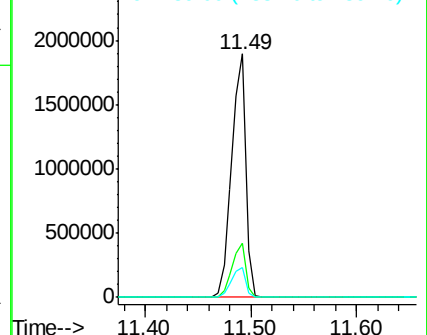
139 12.5 9.8 14.8

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 49.126 ng

RT: 11.83 min Scan# 1656

Delta R.T. 0.01 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

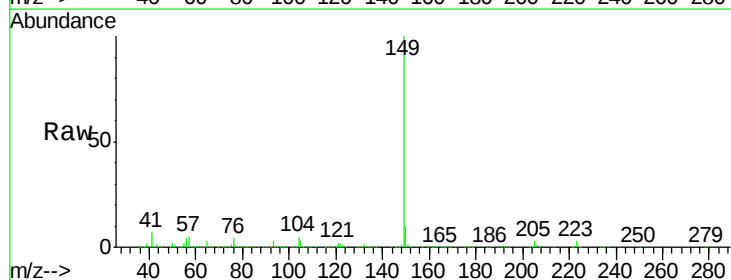
Tgt Ion:149 Resp: 2269062

Ion Ratio Lower Upper

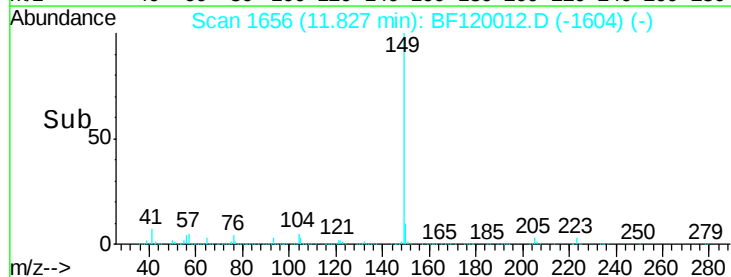
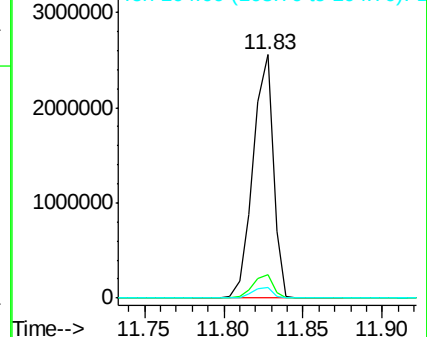
149 100

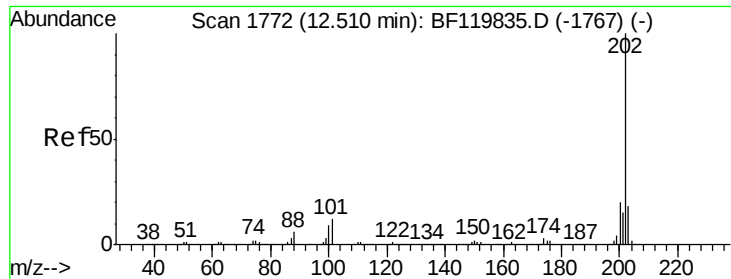
150 9.8 7.6 11.4

104 4.5 3.8 5.6



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 50.719 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMSD

Tot Ion:202 Resp: 1990345

Ion Ratio Lower Upper

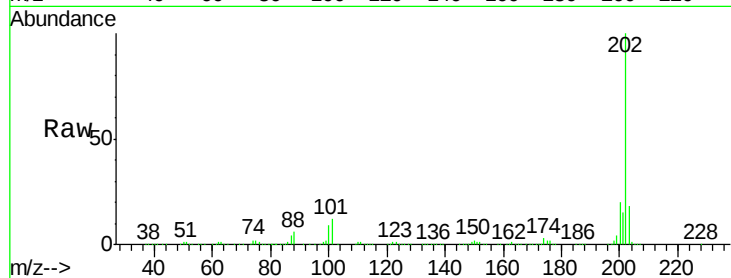
202 100

101 12.2 0.0 32.3

203 18.1 0.0 37.6

Manual Integrations
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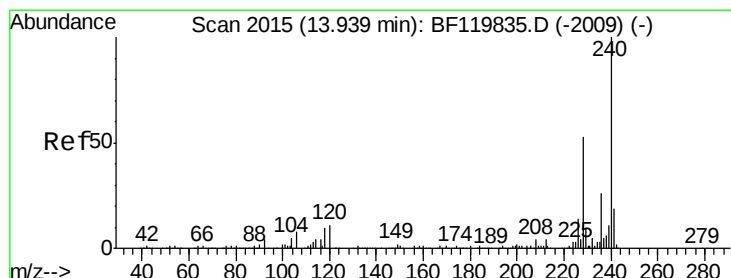
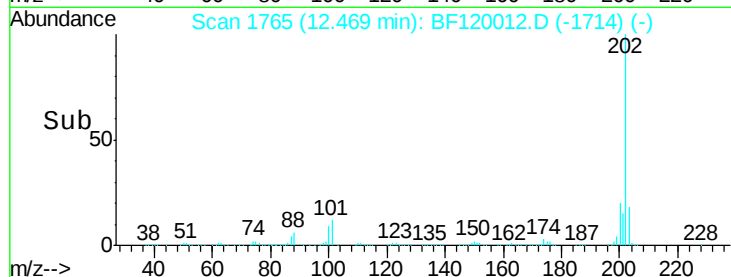
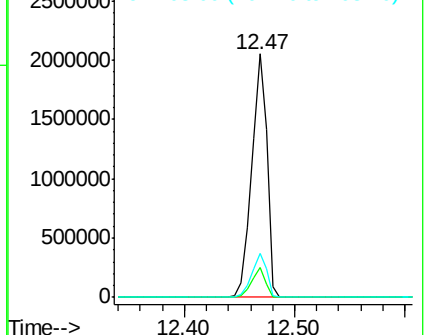
mohammad
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

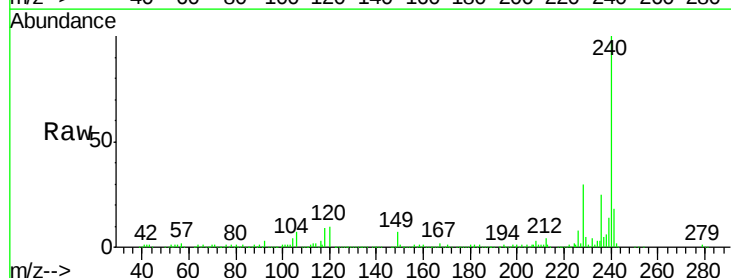
Tgt Ion:240 Resp: 446435

Ion Ratio Lower Upper

240 100

120 9.8 9.0 13.6

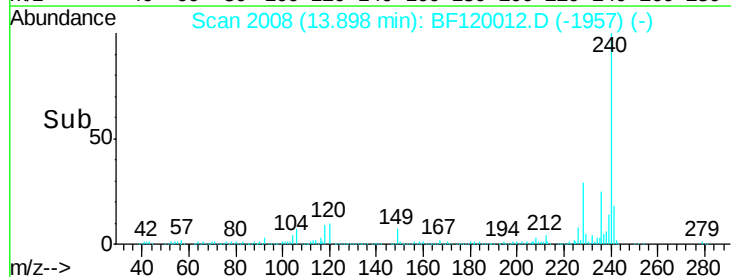
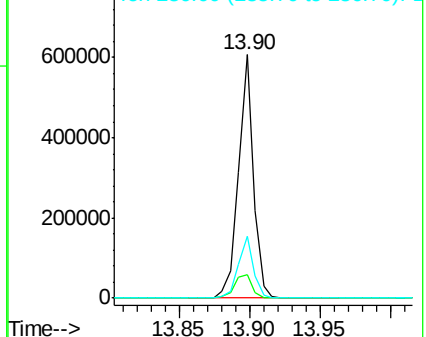
236 25.4 20.7 31.1

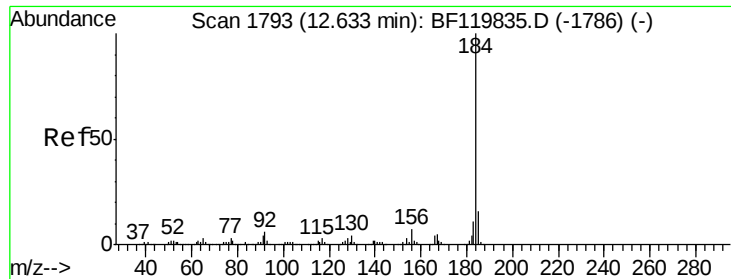


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 55.031 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Instrument :

BNA_F

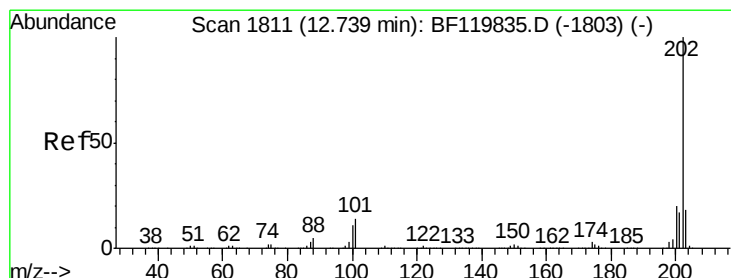
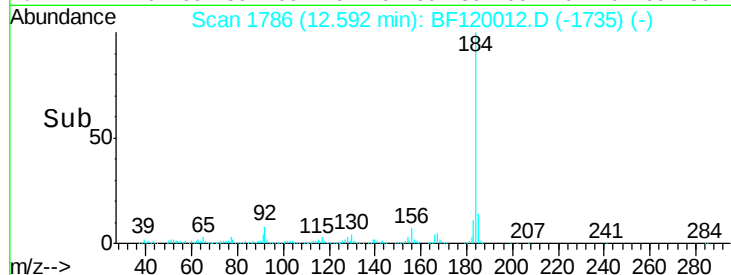
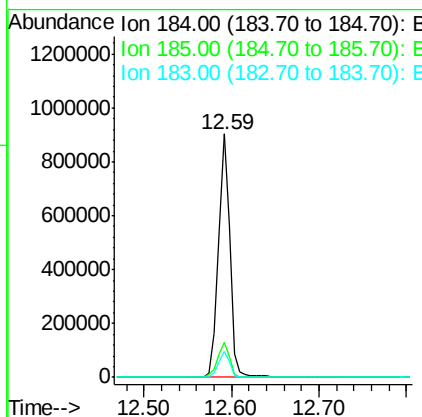
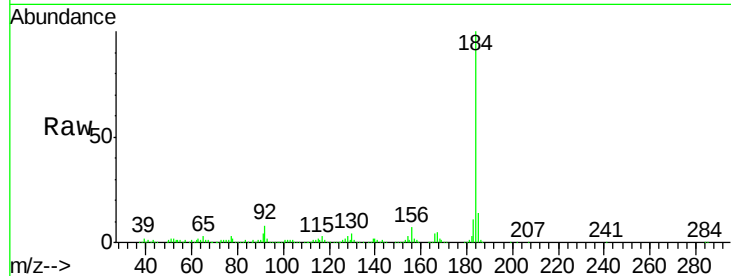
ClientSampleId :

TP-23-22-COMPMSD

Tot Ion:	184	Resp:	830462
Ion Ratio	Lower	Upper	
184	100		
185	14.3	13.2	19.8
183	10.8	9.1	13.7

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#78

Pyrene

Concen: 52.590 ng

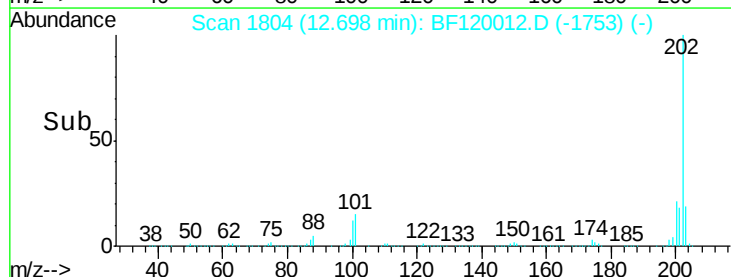
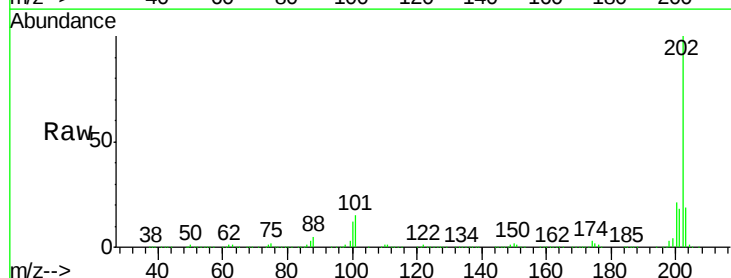
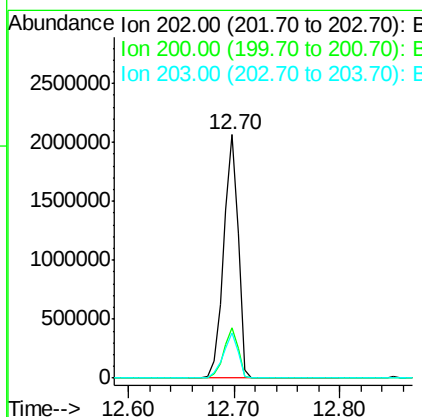
RT: 12.70 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Tgt Ion:	202	Resp:	1979234
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.2	24.2
203	18.6	14.1	21.1





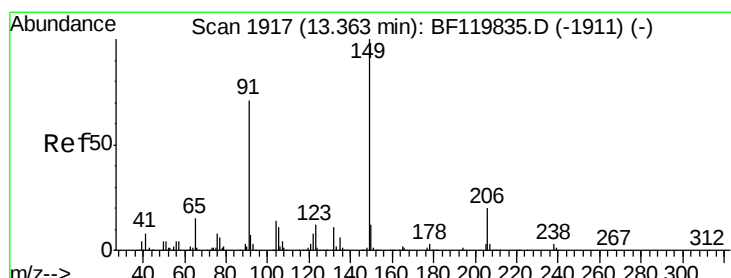
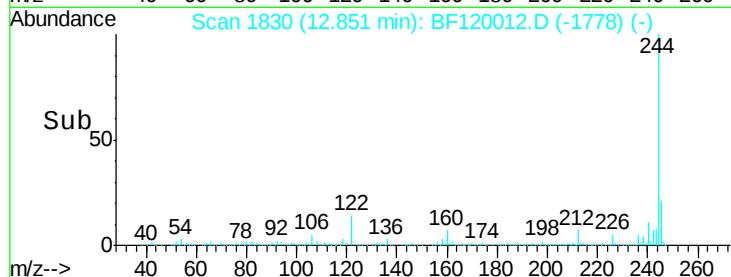
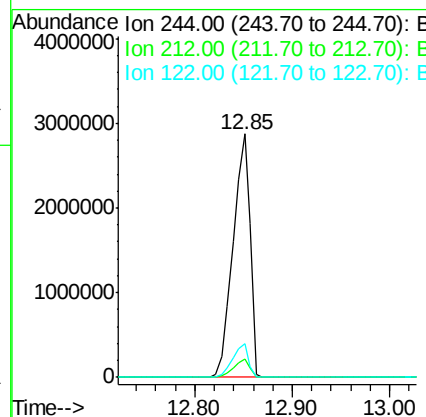
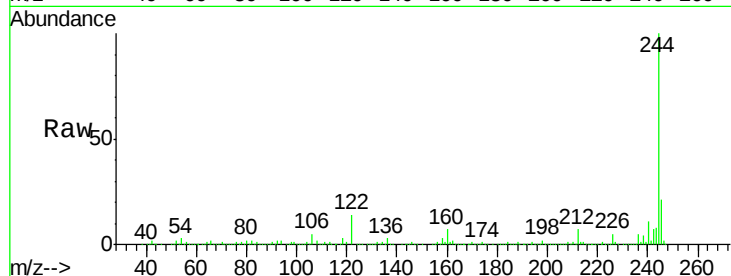
#79
 Terphenyl-d14
 Concen: 130.647 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. 0.01 min
 Lab File: BF120012.D
 Acq: 16 Apr 2020 00:37

Instrument :
 BNA_F
 ClientSampleId :
 TP-23-22-COMPMSD

Tot Ion:244 Resp: 3466279
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.4 8.0
 122 13.8 10.3 15.5

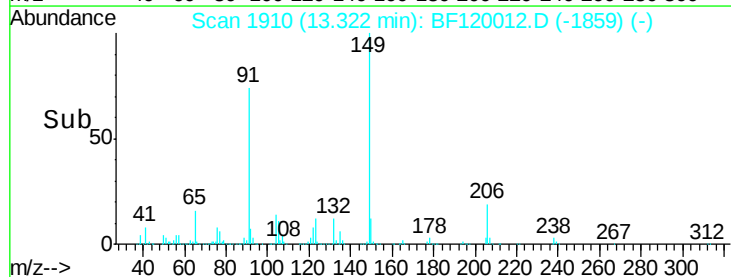
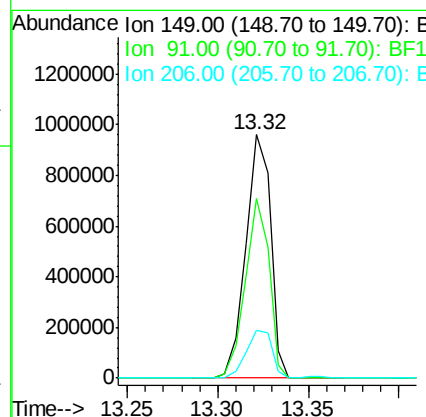
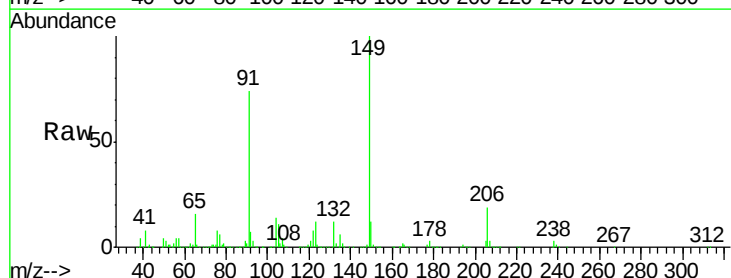
Manual Integrations
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#80
 Butylbenzylphthalate
 Concen: 50.190 ng
 RT: 13.32 min Scan# 1910
 Delta R.T. 0.00 min
 Lab File: BF120012.D
 Acq: 16 Apr 2020 00:37

Tgt Ion:149 Resp: 916566
 Ion Ratio Lower Upper
 149 100
 91 73.7 56.7 85.1
 206 19.4 15.7 23.5





#81

Benzo(a)anthracene

Concen: 50.563 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMSD

Tot Ion:228 Resp: 1485004

Ion Ratio Lower Upper

228 100

226 27.3 21.9 32.9

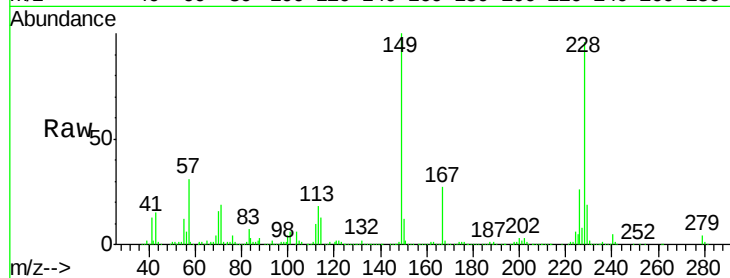
229 20.3 15.9 23.9

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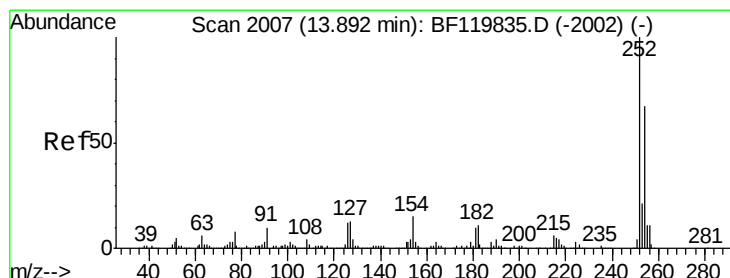
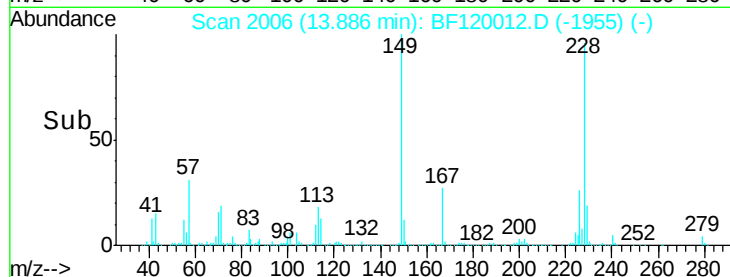
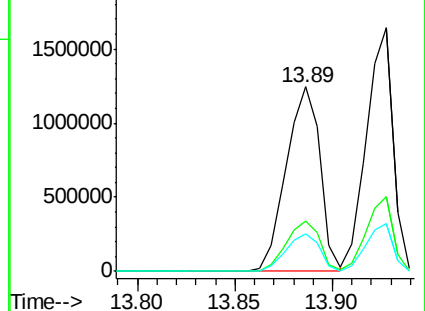
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 28.446 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.00 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

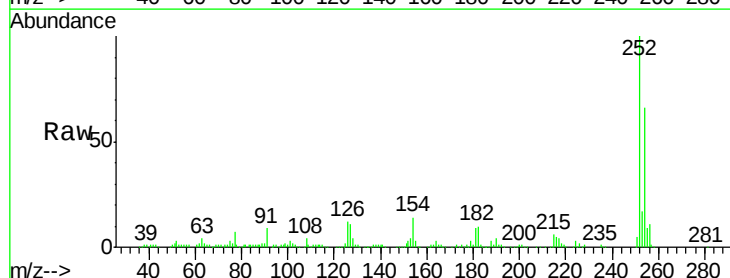
Tgt Ion:252 Resp: 311726

Ion Ratio Lower Upper

252 100

254 65.9 53.9 80.9

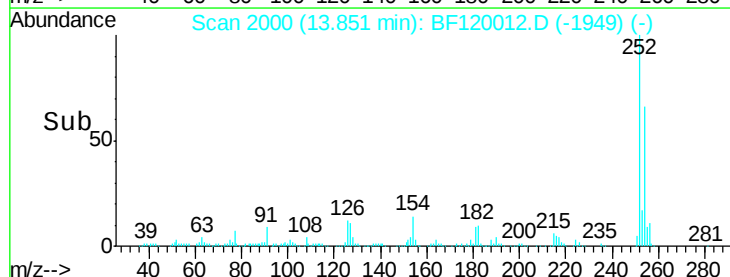
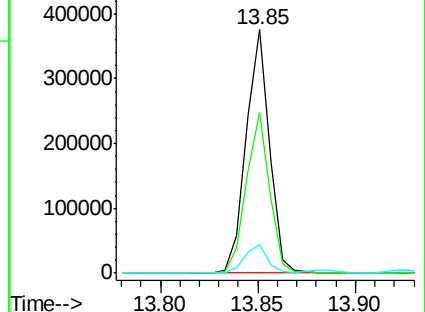
126 11.6 9.7 14.5

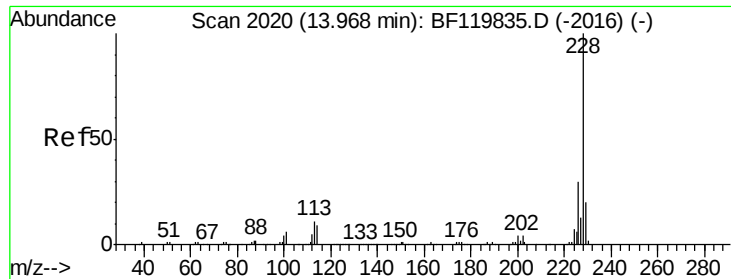


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrvsene

Concen: 51.872 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMSD

Tot Ion:228 Resp: 1547952

Ion Ratio Lower Upper

228 100

226 30.8 24.2 36.2

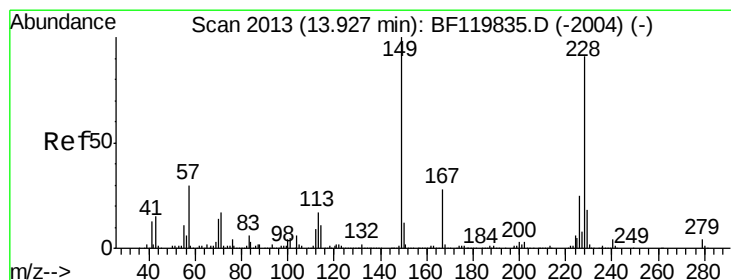
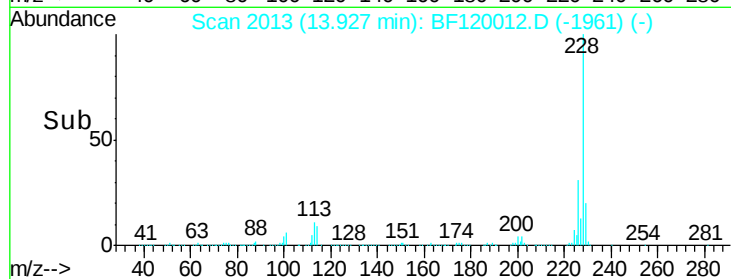
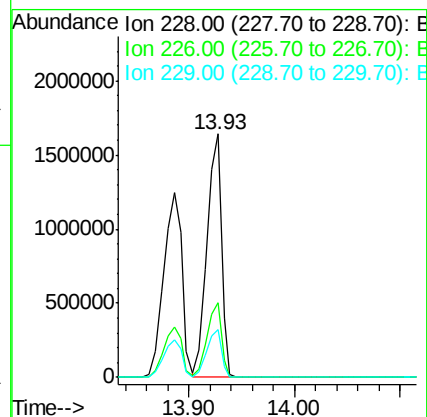
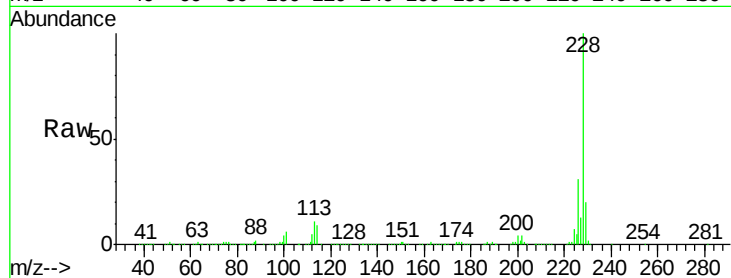
229 19.9 15.9 23.9

Manual Integrations

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#84

Bis(2-ethylhexyl)phthalate

Concen: 47.400 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

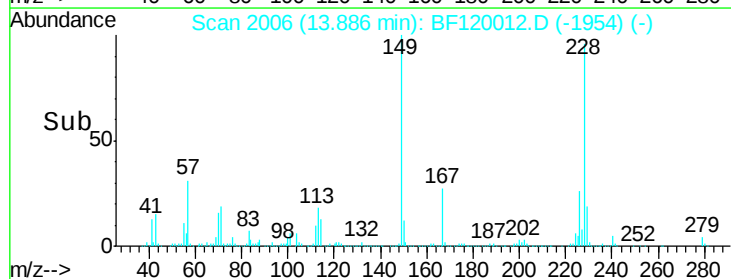
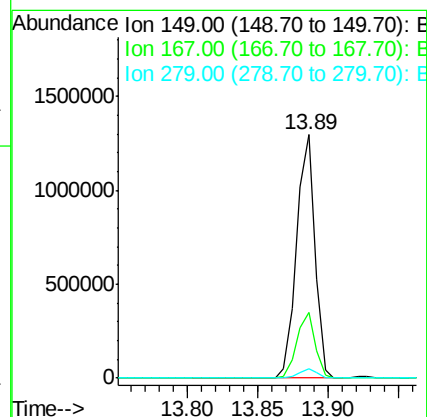
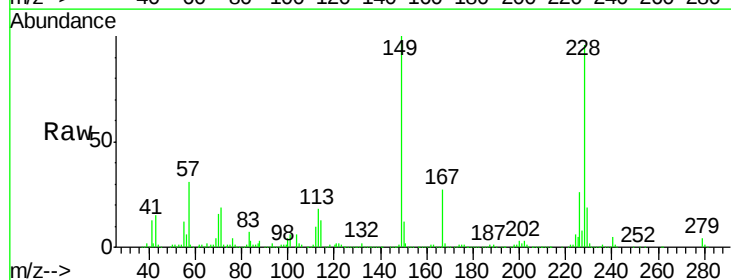
Tgt Ion:149 Resp: 1172208

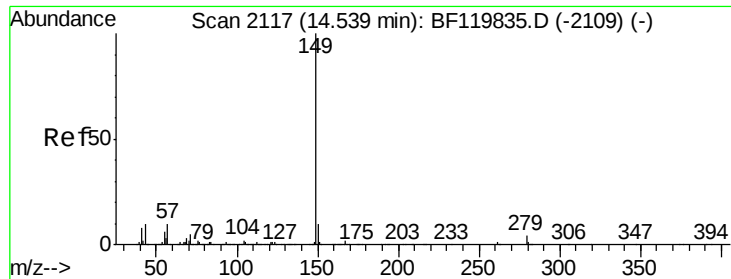
Ion Ratio Lower Upper

149 100

167 26.9 22.2 33.2

279 3.7 3.4 5.0





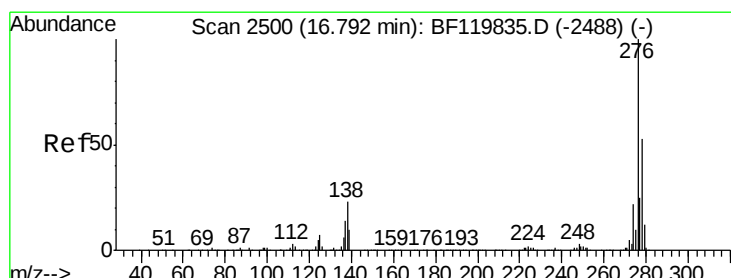
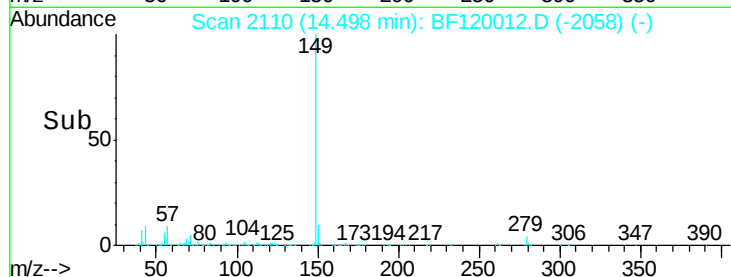
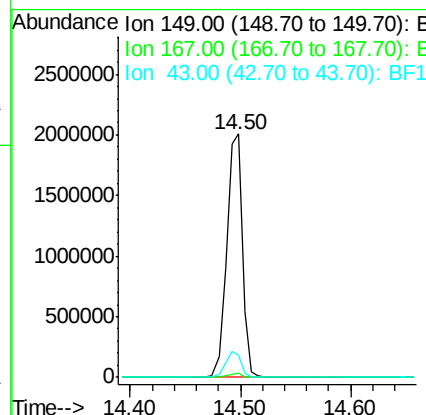
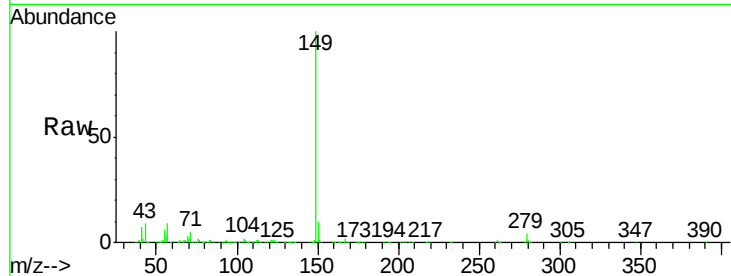
#85
Di-n-octyl phthalate
Concen: 47.303 ng
RT: 14.50 min Scan# 2110
Delta R.T. 0.01 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.6	9.2	13.8

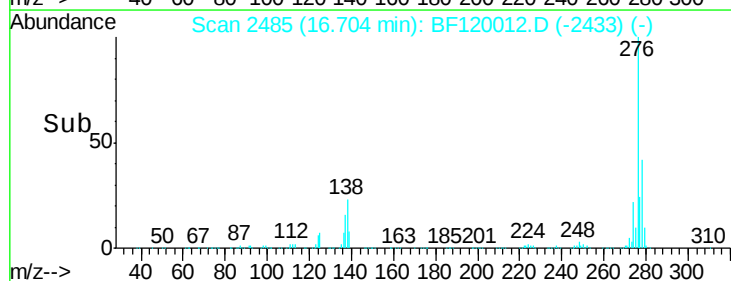
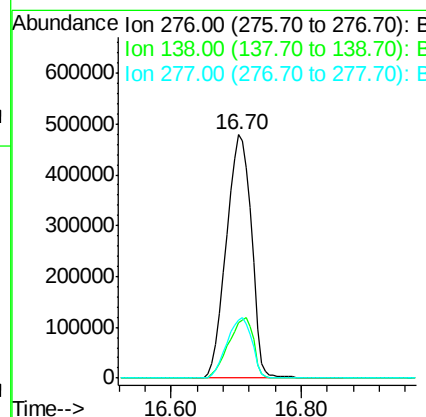
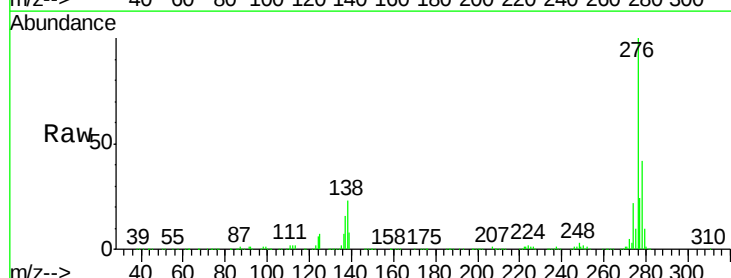
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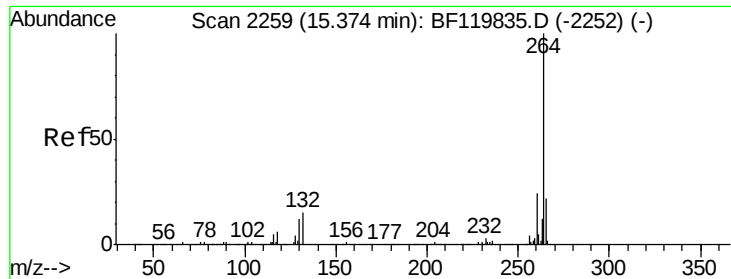
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 48.631 ng
RT: 16.70 min Scan# 2485
Delta R.T. 0.01 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	18.0	27.0
277	25.0	20.1	30.1





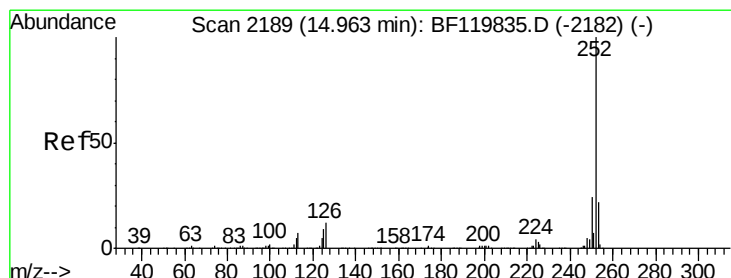
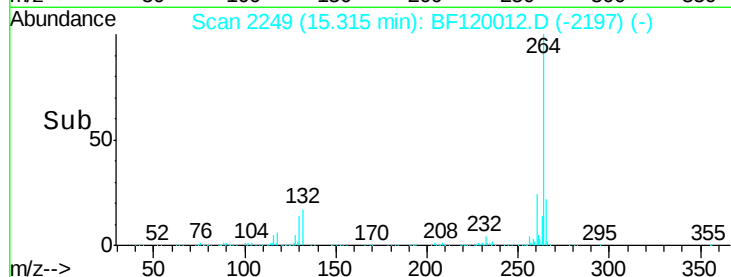
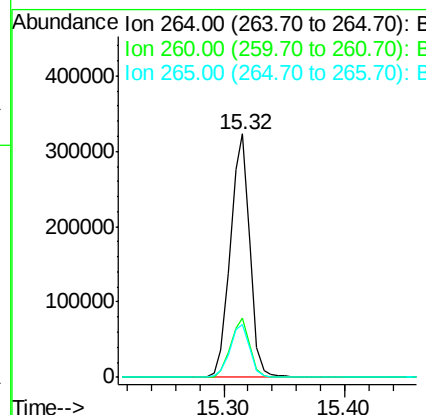
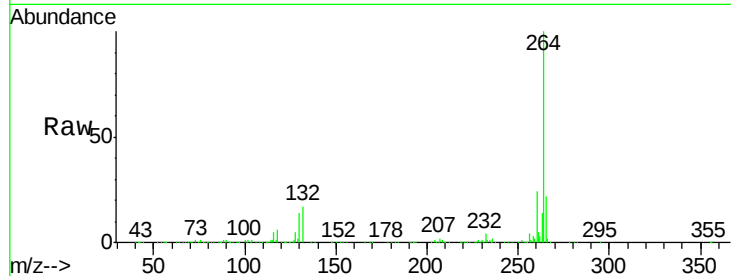
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Instrument :
BNA_F
ClientSampleId :
TP-23-22-COMPMSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.3	28.9
265	21.8	17.6	26.4

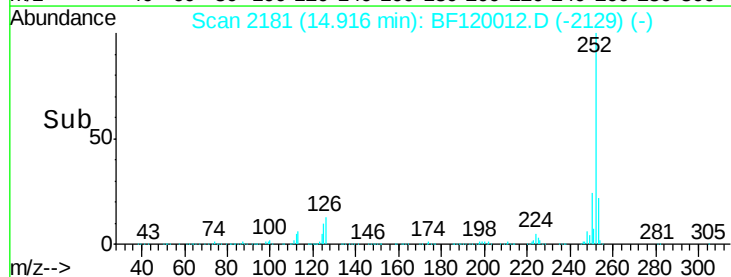
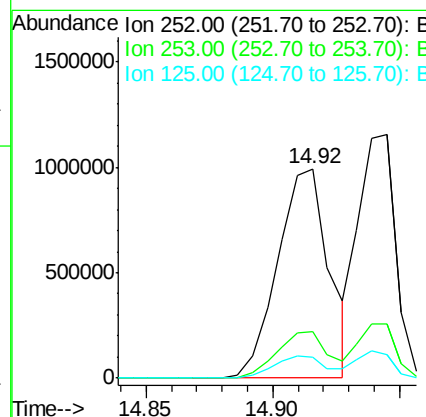
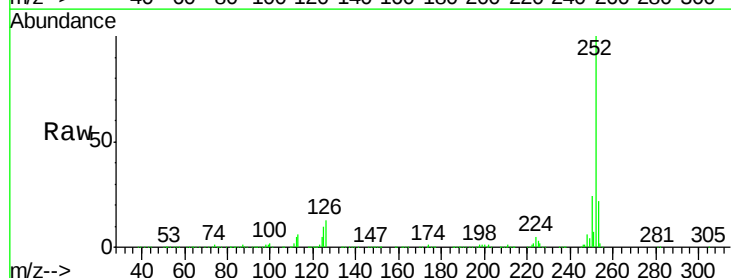
Manual Integrations
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#88
Benzo(b)fluoranthene
Concen: 54.150 ng
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF120012.D
Acq: 16 Apr 2020 00:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.9	7.4	11.2





#89

Benzo(k)fluoranthene

Concen: 53.374 ng

RT: 14.94 min Scan# 2186

Delta R.T. 0.01 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Instrument :

BNA_F

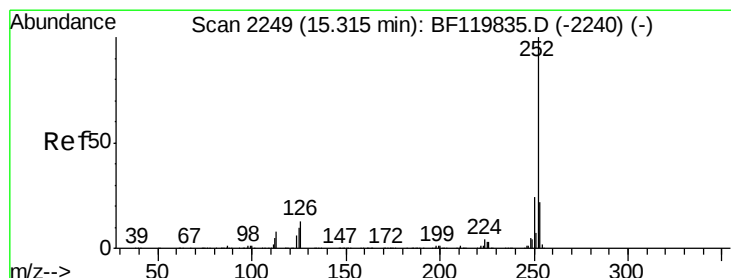
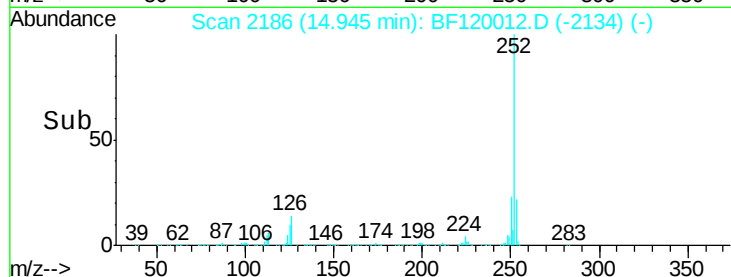
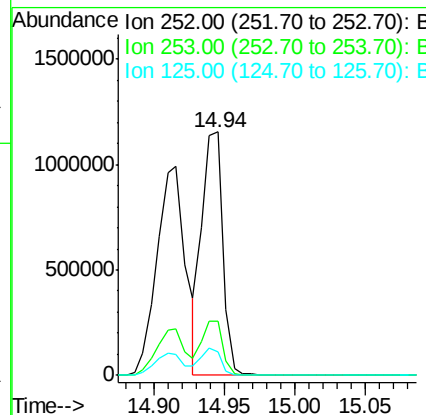
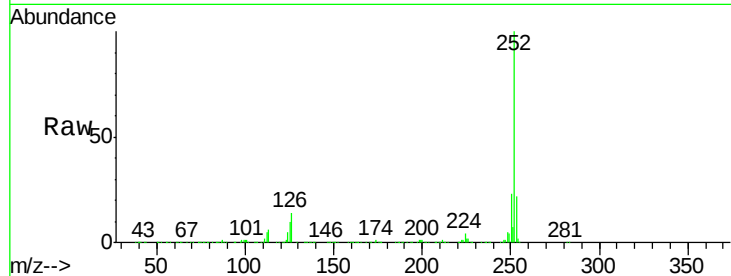
ClientSampleId :

TP-23-22-COMPMSD

Tot Ion:	252	Resp:	1188121
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.8	26.8
125	9.5	7.7	11.5

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#90

Benzo(a)pyrene

Concen: 52.838 ng

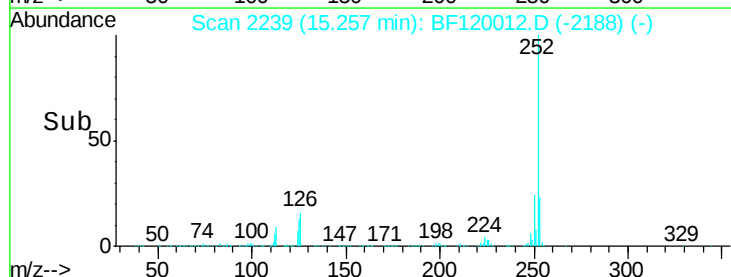
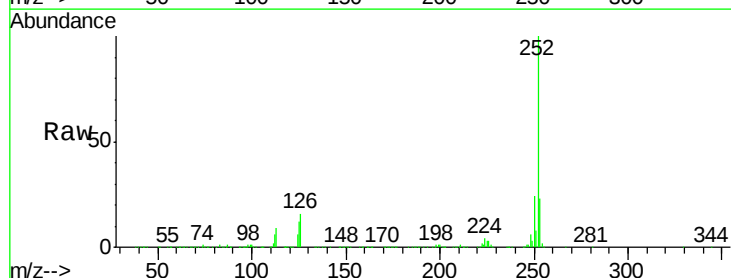
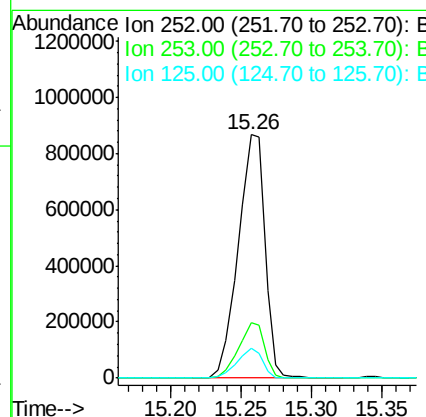
RT: 15.26 min Scan# 2239

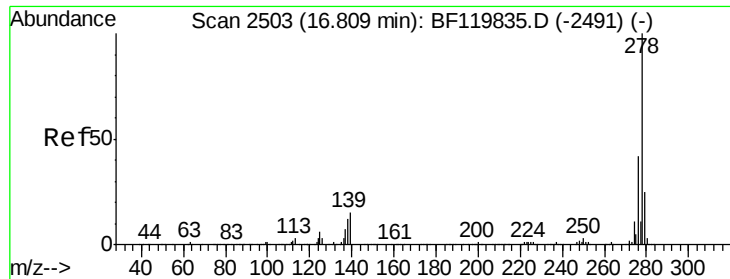
Delta R.T. 0.00 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Tgt Ion:	252	Resp:	1146169
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.4	26.2
125	12.3	8.3	12.5





#91

Dibenzo(a,h)anthracene

Concen: 54.617 ng

RT: 16.72 min Scan# 2488

Delta R.T. 0.01 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

Instrument :

BNA_F

ClientSampleId :

TP-23-22-COMPMSD

Tot Ion:278 Resp: 1049438

Ion Ratio Lower Upper

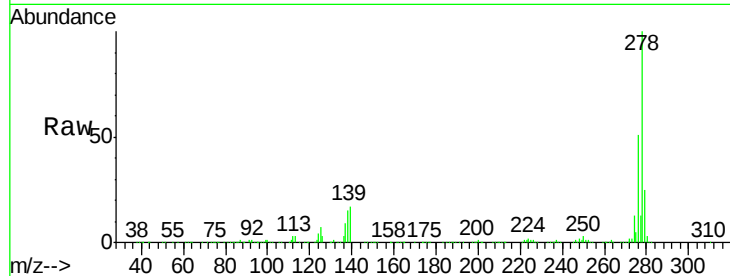
278 100

139 16.7 11.6 17.4

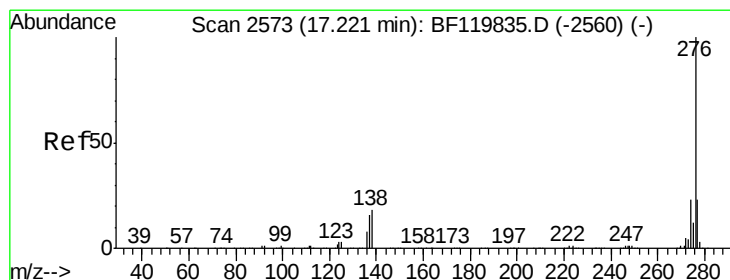
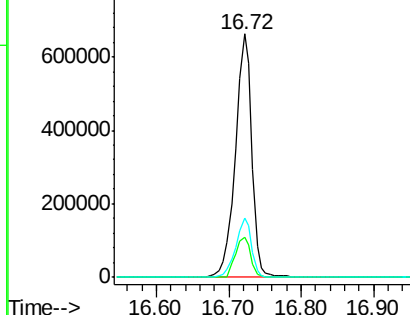
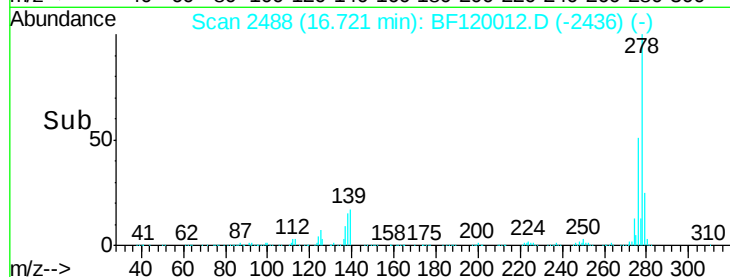
279 24.5 19.7 29.5

Manual Integrations
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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: 55.161 ng

RT: 17.12 min Scan# 2556

Delta R.T. 0.00 min

Lab File: BF120012.D

Acq: 16 Apr 2020 00:37

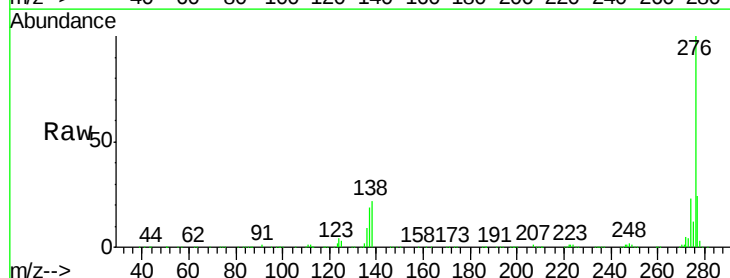
Tgt Ion:276 Resp: 1046229

Ion Ratio Lower Upper

276 100

277 24.5 18.5 27.7

138 21.8 14.6 22.0



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

