

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042320\
 Data File : BF120179.D
 Acq On : 23 Apr 2020 22:21
 Operator : MA/SJ
 Sample : L2330-13MS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MS

Quant Time: Apr 24 01:27:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 13:31:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	146402	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	581204	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	298503	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	559927	20.00	ng	0.00
76) Chrysene-d12	13.83	240	393444	20.00	ng	0.00
87) Perylene-d12	15.23	264	353810	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	743550	87.77	ng	0.00
7) Phenol-d6	6.31	99	624473	57.21	ng	0.00
23) Nitrobenzene-d5	7.24	82	1129202	100.51	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	481595	131.77	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	2178504	103.62	ng	0.00
79) Terphenyl-d14	12.78	244	2383361	101.93	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.30	88	90495	23.984	ng	99
3) Pyridine	2.98	79	181731	17.555	ng	94
4) n-Nitrosodimethylamine	2.93	42	135964	25.705	ng	99
6) Aniline	6.33	93	461572	32.216	ng	# 89
8) 2-Chlorophenol	6.45	128	471071	49.768	ng	97
9) Benzaldehyde	6.21	77	223481	36.922	ng	99
10) Phenol	6.32	94	268031	21.643	ng	# 50
11) bis(2-Chloroethyl)ether	6.40	93	532997	55.742	ng	99
12) 1,3-Dichlorobenzene	6.60	146	561156	54.152	ng	98
13) 1,4-Dichlorobenzene	6.68	146	567691	53.779	ng	98
14) 1,2-Dichlorobenzene	6.84	146	534581	54.951	ng	98
15) Benzyl Alcohol	6.82	79	325369	38.376	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.95	45	923912	49.655	ng	87
17) 2-Methylphenol	6.93	107	332700	39.387	ng	95
18) Hexachloroethane	7.17	117	217036	55.015	ng	99
19) n-Nitroso-di-n-propylamine	7.09	70	402167	57.293	ng	99
20) 3+4-Methylphenols	7.09	107	378693	36.656	ng	89
22) Acetophenone	7.08	105	771806	56.709	ng	# 97
24) Nitrobenzene	7.26	77	597751	52.891	ng	99
25) Isophorone	7.50	82	1116470	51.553	ng	98
26) 2-Nitrophenol	7.57	139	305568	54.119	ng	96
27) 2,4-Dimethylphenol	7.62	122	425402	49.956	ng	95
28) bis(2-Chloroethoxy)methane	7.71	93	709011	55.636	ng	99
29) 2,4-Dichlorophenol	7.82	162	441037	50.527	ng	98
30) 1,2,4-Trichlorobenzene	7.89	180	500368	50.592	ng	100
31) Naphthalene	7.97	128	1610007	52.651	ng	99
32) Benzoic acid	7.73	122	121149	16.199	ng	98
33) 4-Chloroaniline	8.03	127	446505	33.541	ng	98
34) Hexachlorobutadiene	8.09	225	288670	48.758	ng	99
35) Caprolactam	8.46	113	14043	5.259	ng	99
36) 4-Chloro-3-methylphenol	8.51	107	458135	48.479	ng	96
37) 2-Methylnaphthalene	8.66	142	1099468	53.034	ng	99
38) 1-Methylnaphthalene	8.76	142	1045443	53.502	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.83	216	484451	51.384	ng	99

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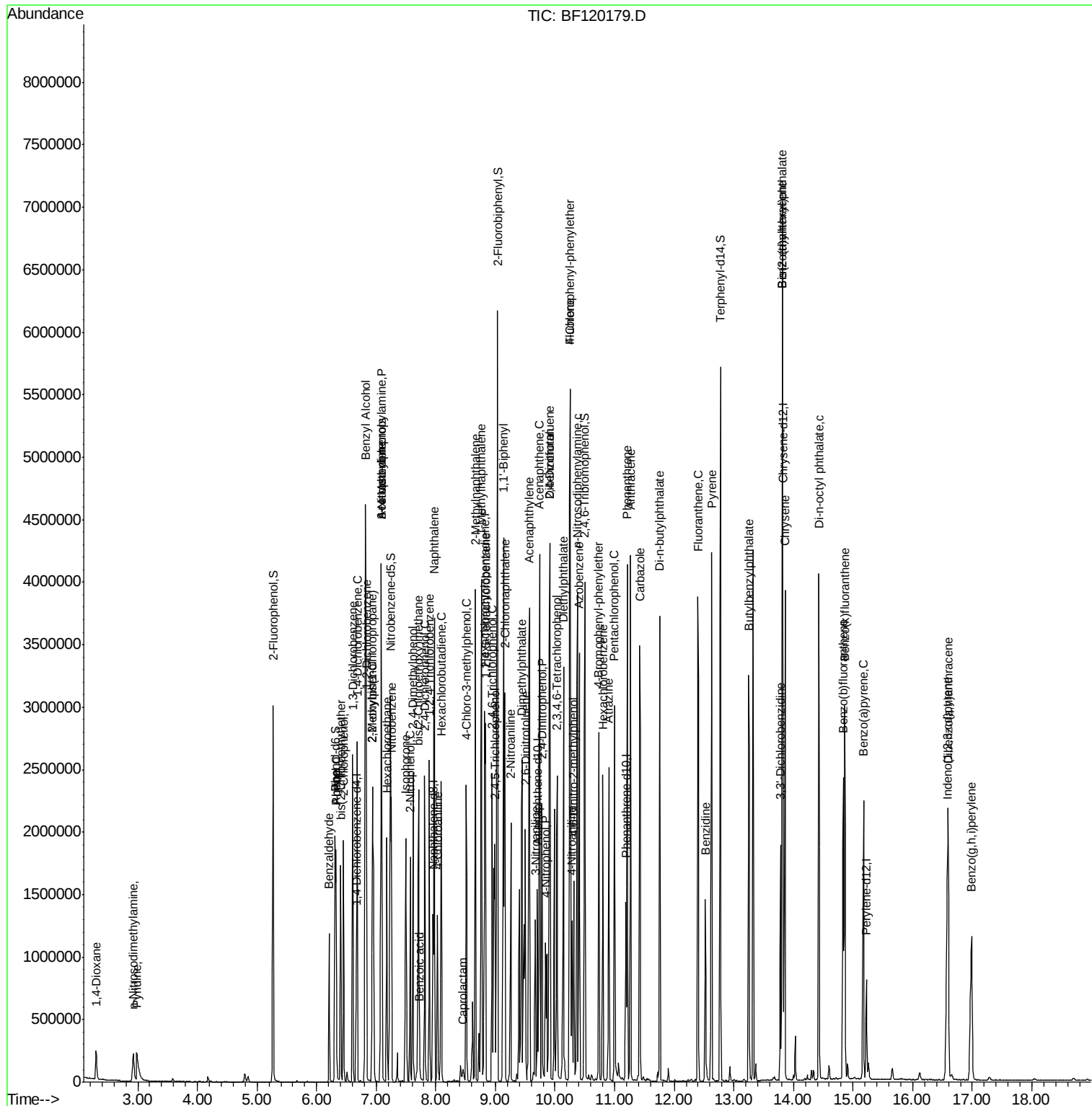
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.82	237	450565	84.043	nq	98
43) 2,4,6-Trichlorophenol	8.95	196	333152	51.172	nq	99
44) 2,4,5-Trichlorophenol	8.99	196	351368	47.918	nq	98
46) 1,1'-Biphenyl	9.13	154	1322092	52.474	nq	98
47) 2-Chloronaphthalene	9.16	162	1031203	53.130	nq	97
48) 2-Nitroaniline	9.26	65	375162	53.338	nq	96
49) Acenaphthylene	9.57	152	1572564	53.275	nq	99
50) Dimethylphthalate	9.45	163	1223862	53.007	nq	100
51) 2,6-Dinitrotoluene	9.50	165	275362	54.462	nq	98
52) Acenaphthene	9.74	154	961456	48.829	nq	99
53) 3-Nitroaniline	9.67	138	192748	33.379	nq	92
54) 2,4-Dinitrophenol	9.78	184	301058	99.455	nq	89
55) Dibenzofuran	9.92	168	1423286	52.675	nq	99
56) 4-Nitrophenol	9.84	139	154052	35.855	nq	94
57) 2,4-Dinitrotoluene	9.90	165	351021	52.695	nq	# 91
58) Fluorene	10.26	166	1134801	52.515	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.03	232	293416	52.319	nq	99
60) Diethylphthalate	10.14	149	1243867	51.979	nq	100
61) 4-Chlorophenyl-phenylether	10.25	204	541848	48.923	nq	98
62) 4-Nitroaniline	10.29	138	283031	51.431	nq	99
63) Azobenzene	10.41	77	1182206	55.125	nq	98
65) 4,6-Dinitro-2-methylphenol	10.32	198	201718	54.683	nq	85
66) n-Nitrosodiphenylamine	10.37	169	1042057	55.960	nq	99
67) 4-Bromophenyl-phenylether	10.74	248	336041	48.259	nq	95
68) Hexachlorobenzene	10.80	284	365681	51.767	nq	# 92
69) Atrazine	10.90	200	300035	57.910	nq	99
70) Pentachlorophenol	11.00	266	345720	84.927	nq	98
71) Phenanthrene	11.22	178	1562056	52.418	nq	99
72) Anthracene	11.27	178	1613010	52.986	nq	98
73) Carbazole	11.42	167	1552419	53.925	nq	98
74) Di-n-butylphthalate	11.76	149	1871960	49.464	nq	99
75) Fluoranthene	12.40	202	1709377	53.163	nq	99
77) Benzidine	12.52	184	514170	38.661	nq	98
78) Pyrene	12.63	202	1726177	52.043	nq	98
80) Butylbenzylphthalate	13.25	149	816693	50.744	nq	96
81) Benzo(a)anthracene	13.82	228	1347475	52.060	nq	99
82) 3,3'-Dichlorobenzidine	13.78	252	371236	38.440	nq	99
83) Chrysene	13.86	228	1395698	53.069	nq	98
84) Bis(2-ethylhexyl)phthalate	13.82	149	1108143	50.844	nq	98
85) Di-n-octyl phthalate	14.43	149	1856898	50.038	nq	99
86) Indeno(1,2,3-cd)pyrene	16.58	276	1241088	53.535	nq	99
88) Benzo(b)fluoranthene	14.83	252	1279755	50.281	nq	99
89) Benzo(k)fluoranthene	14.86	252	1261592	57.448	nq	99
90) Benzo(a)pyrene	15.17	252	1125395	52.588	nq	98
91) Dibenzo(a,h)anthracene	16.60	278	1022882	53.961	nq	99
92) Benzo(g,h,i)perylene	16.99	276	1004540	53.685	nq	97

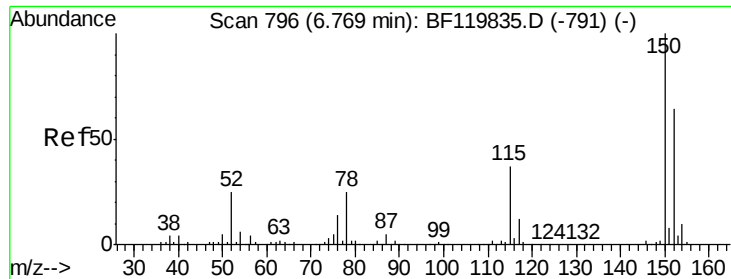
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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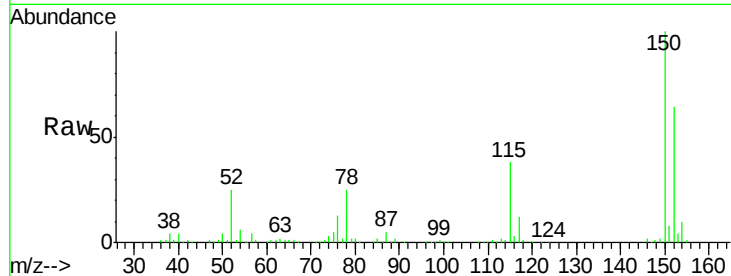


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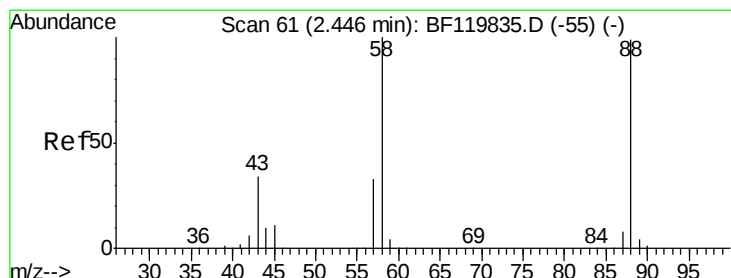
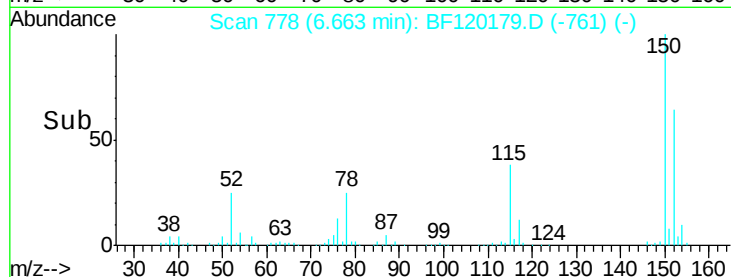
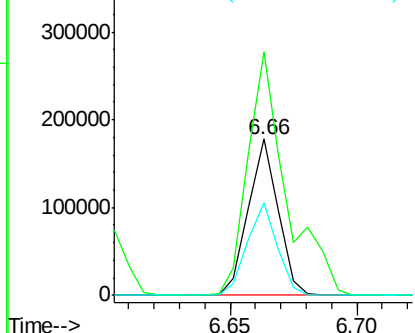
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. 0.00 min
Lab File: BF120179.D
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BNA_F
ClientSampleId :
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Tot Ion:152 Resp: 146402
Ion Ratio Lower Upper
152 100
150 156.0 124.5 186.7
115 59.0 49.6 74.4



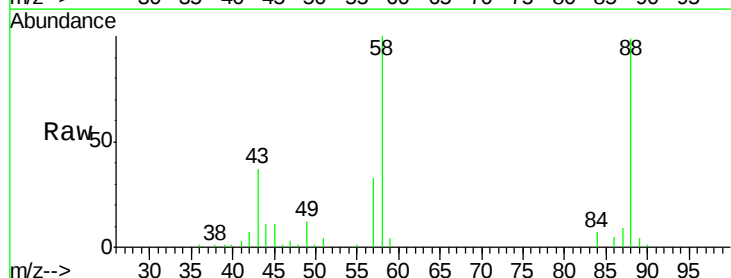
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



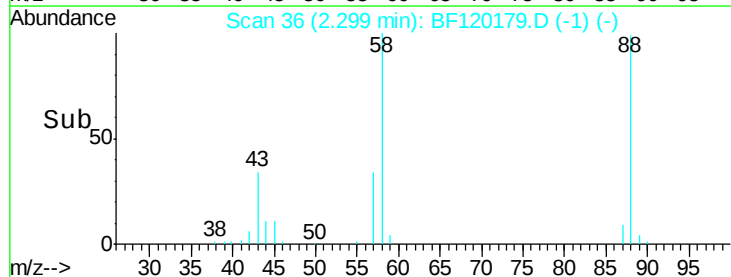
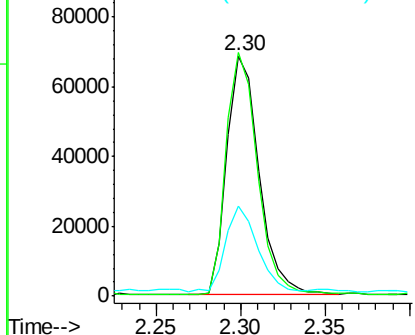
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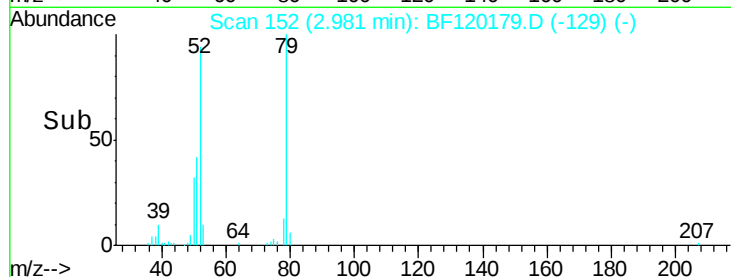
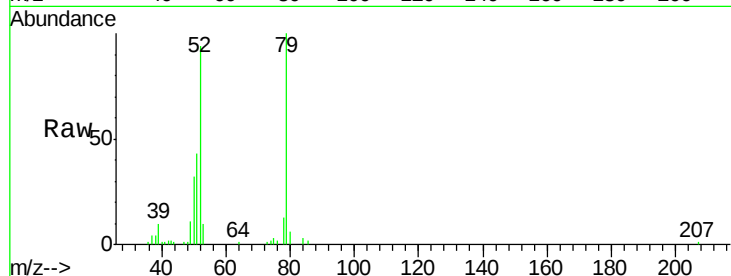
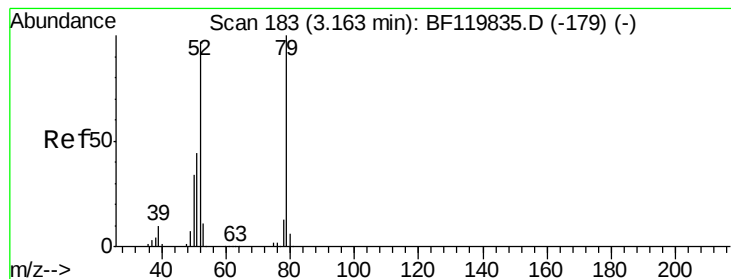
1,4-Dioxane
Concen: 23.984 ng
RT: 2.30 min Scan# 36
Delta R.T. 0.03 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

Tgt Ion: 88 Resp: 90495
Ion Ratio Lower Upper
88 100
58 100.6 80.6 121.0
43 35.7 27.5 41.3



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 17.555 ng

RT: 2.98 min Scan# 152

Delta R.T. 0.04 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MS

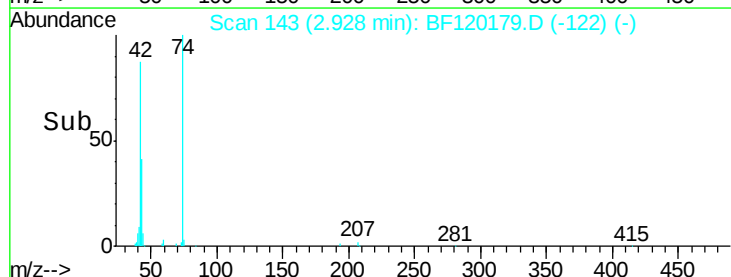
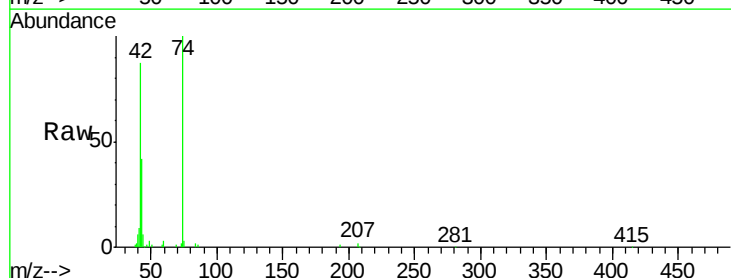
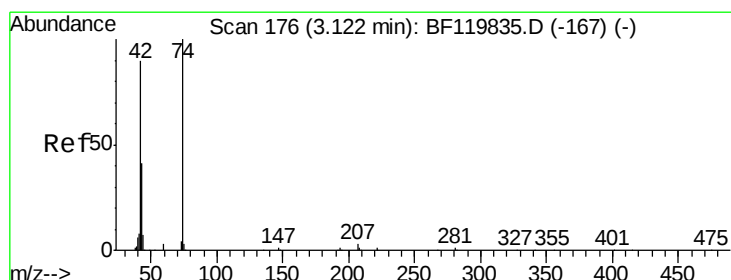
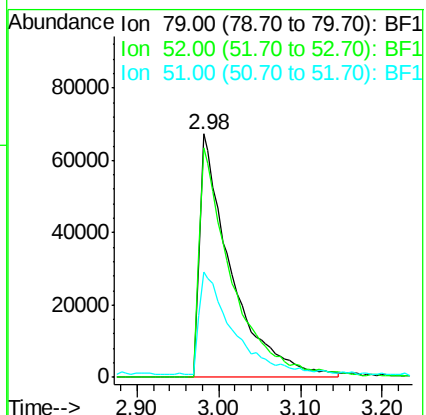
Tot Ion: 79 Resp: 181731

Ion Ratio Lower Upper

79 100

52 94.5 80.2 120.2

51 43.2 37.7 56.5



#4

n-Nitrosodimethylamine

Concen: 25.705 ng

RT: 2.93 min Scan# 143

Delta R.T. 0.02 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

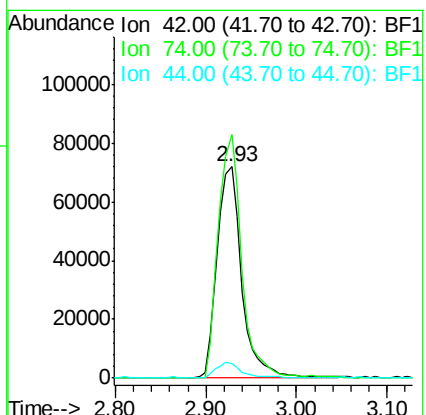
Tgt Ion: 42 Resp: 135964

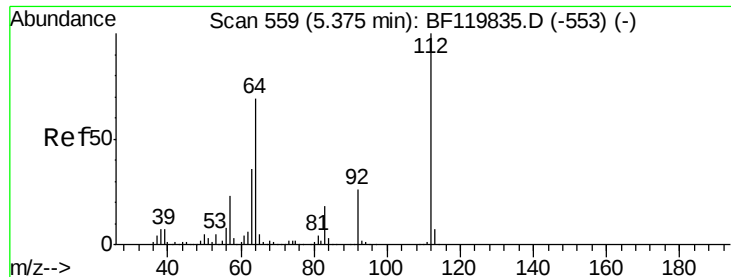
Ion Ratio Lower Upper

42 100

74 115.3 91.5 137.3

44 6.7 6.2 9.4





#5

2-Fluorophenol

Concen: 87.771 ng

RT: 5.27 min Scan# 541

Delta R.T. 0.01 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MS

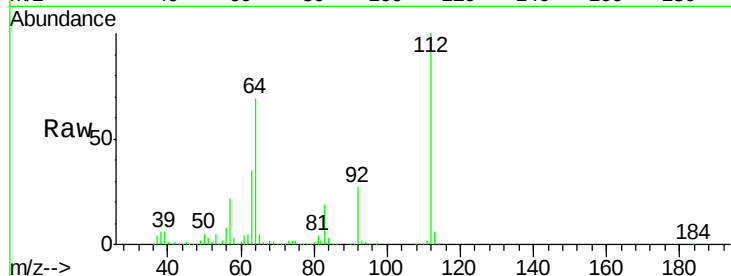
Tot Ion: 112 Resp: 743550

Ion Ratio Lower Upper

112 100

64 68.9 56.7 85.1

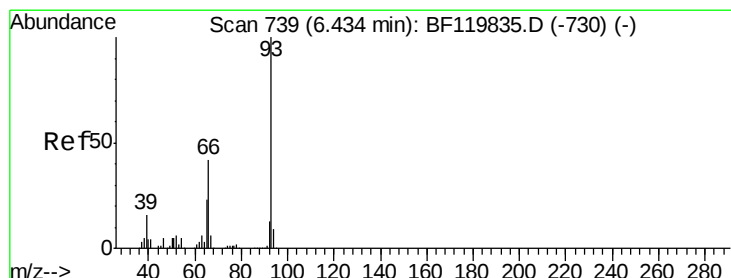
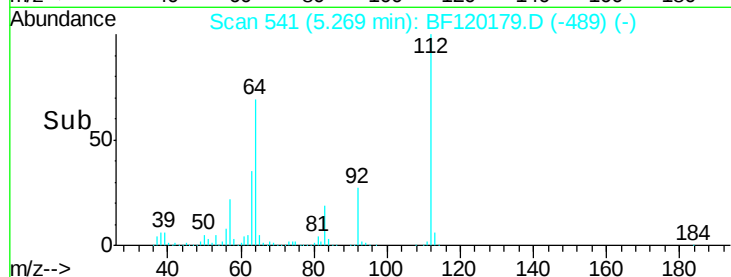
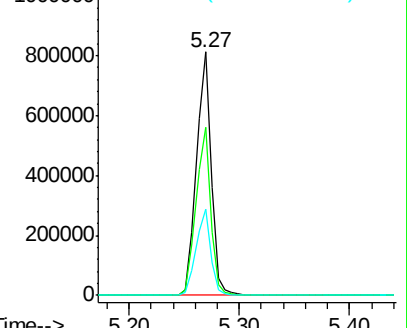
63 35.4 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 32.216 ng

RT: 6.33 min Scan# 721

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

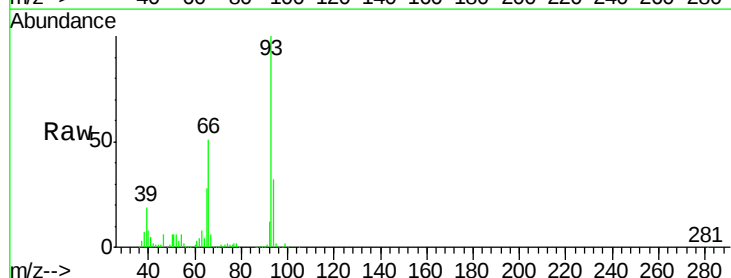
Tgt Ion: 93 Resp: 461572

Ion Ratio Lower Upper

93 100

66 50.8 34.9 52.3

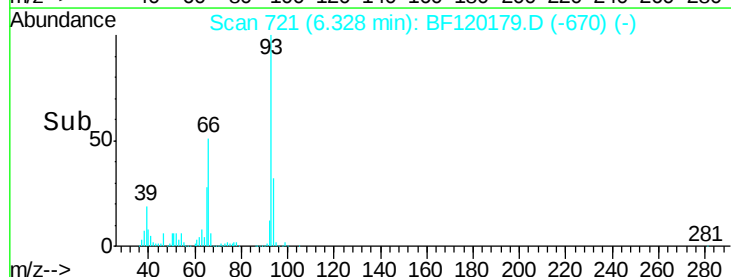
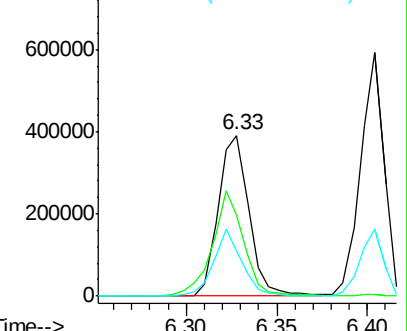
65 28.0 18.6 27.8#

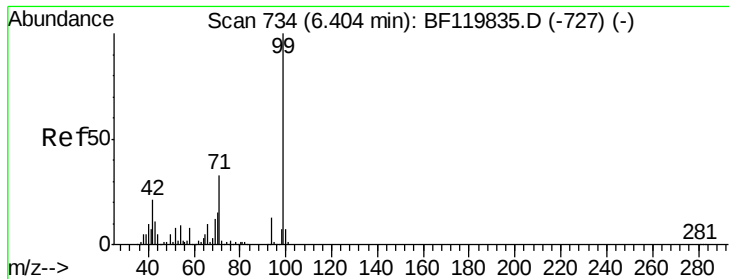


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 57.208 ng

RT: 6.31 min Scan# 718

Delta R.T. 0.00 min

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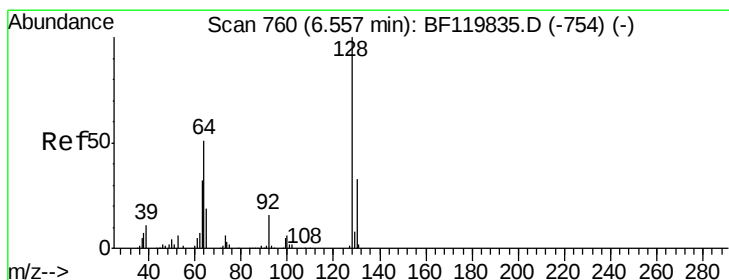
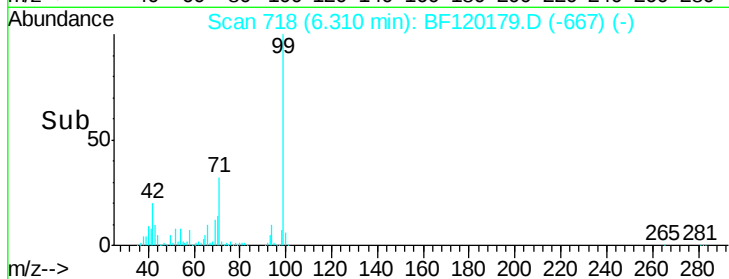
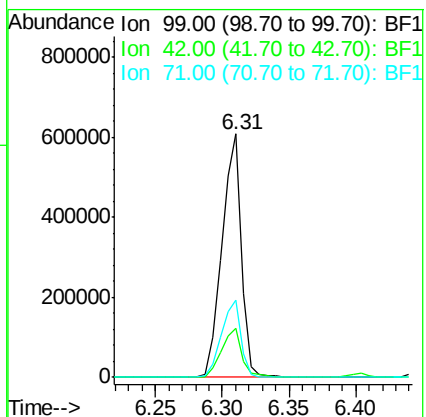
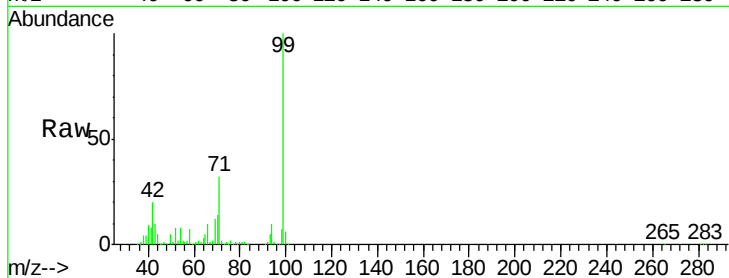
Tot Ion: 99 Resp: 624473

Ion Ratio Lower Upper

99 100

42 20.0 16.6 24.8

71 31.6 26.4 39.6



#8

2-Chlorophenol

Concen: 49.768 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

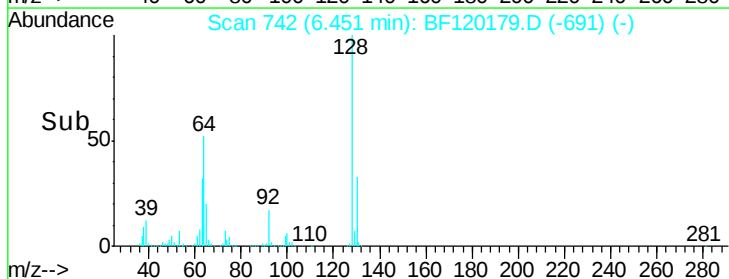
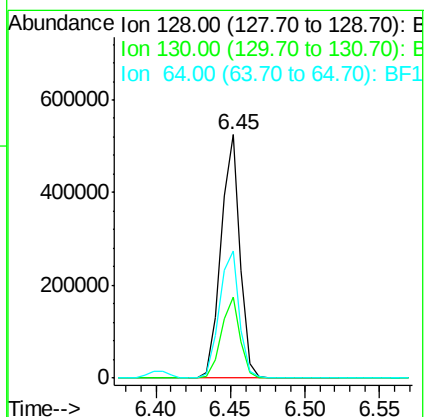
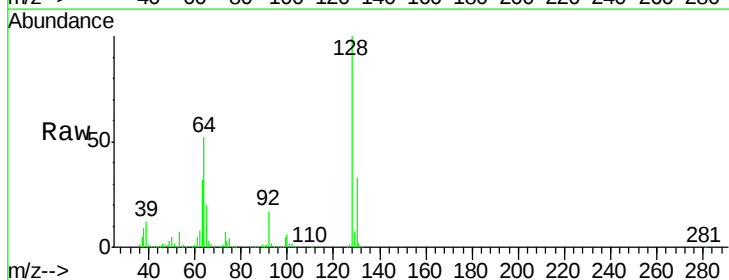
Tgt Ion: 128 Resp: 471071

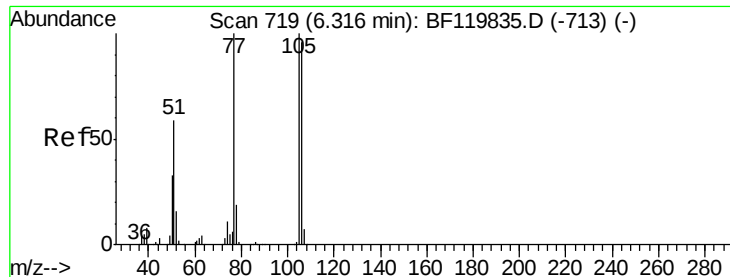
Ion Ratio Lower Upper

128 100

130 33.2 12.6 52.6

64 52.3 35.3 75.3





#9

Benzaldehyde

Concen: 36.922 ng

RT: 6.21 min Scan# 701

Delta R.T. 0.00 min

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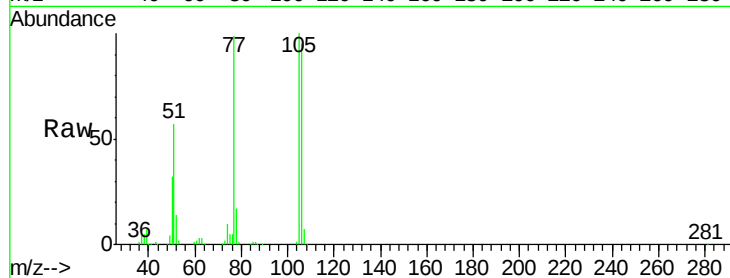
Tot Ion: 77 Resp: 223481

Ion Ratio Lower Upper

77 100

105 100.7 80.9 120.9

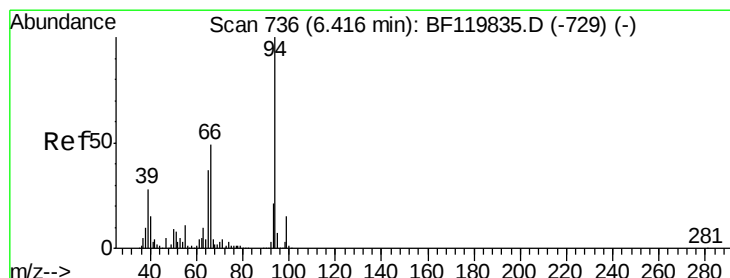
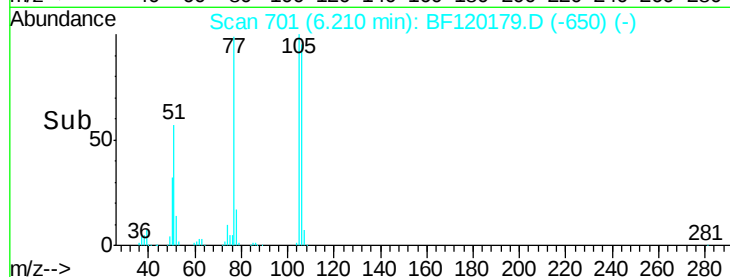
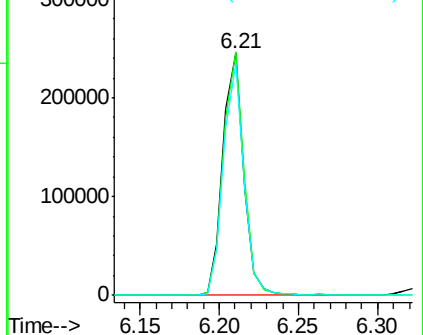
106 96.0 77.9 117.9



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 21.643 ng

RT: 6.32 min Scan# 720

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

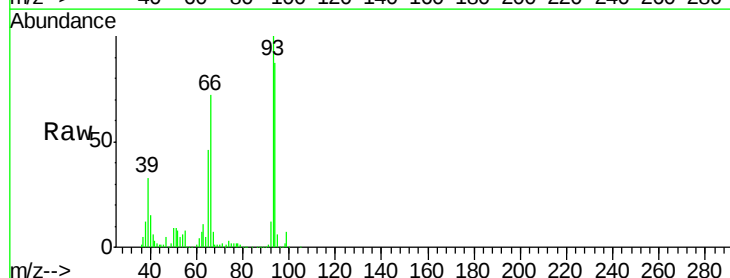
Tgt Ion: 94 Resp: 268031

Ion Ratio Lower Upper

94 100

65 52.5 13.2 53.2

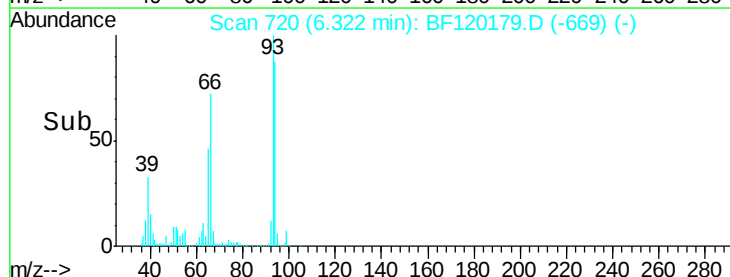
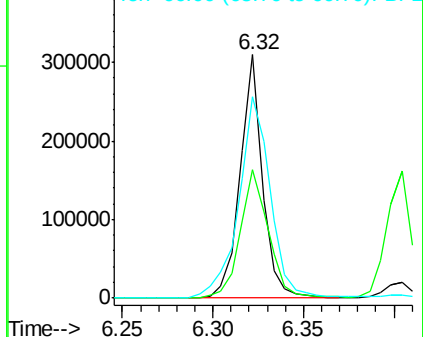
66 82.5 22.3 62.3#

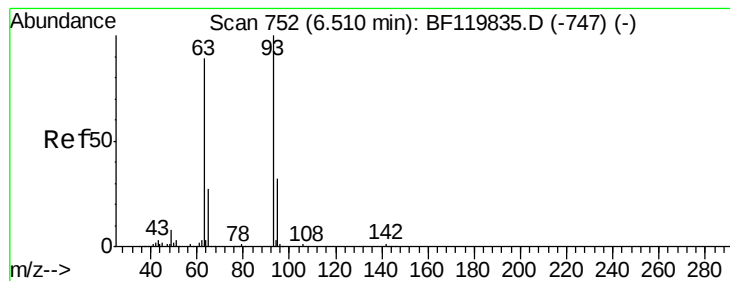


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

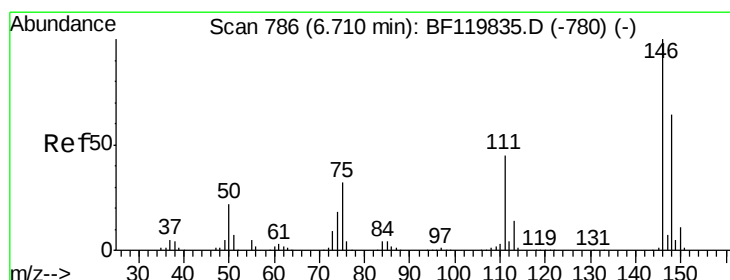
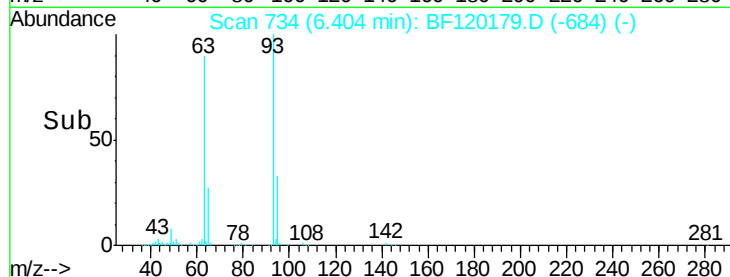
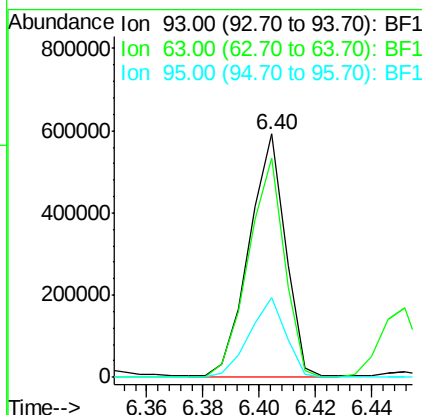
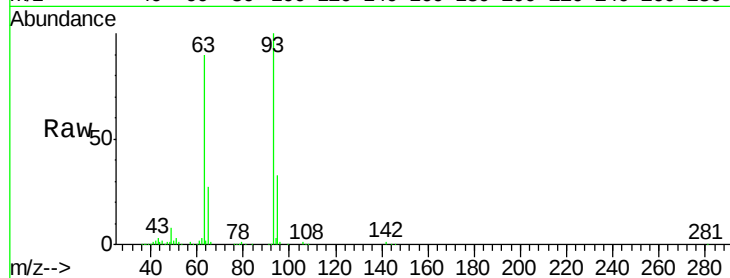




#11
bis(2-Chloroethyl)ether
Concen: 55.742 ng
RT: 6.40 min Scan# 734
Delta R.T. -0.01 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

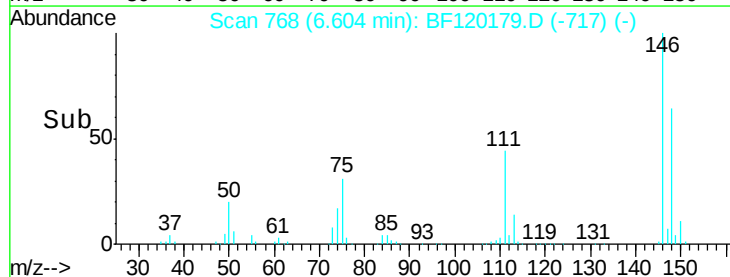
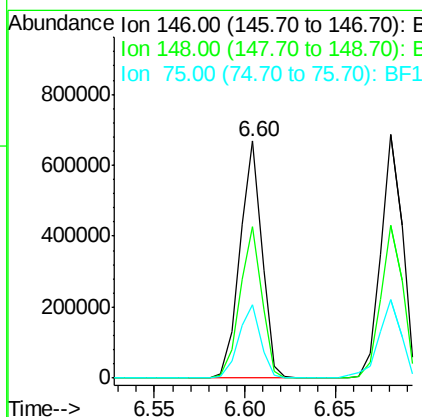
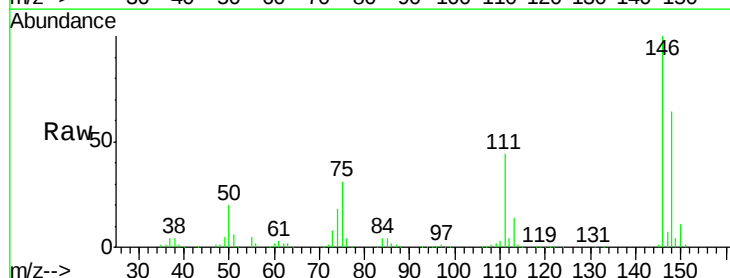
Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MS

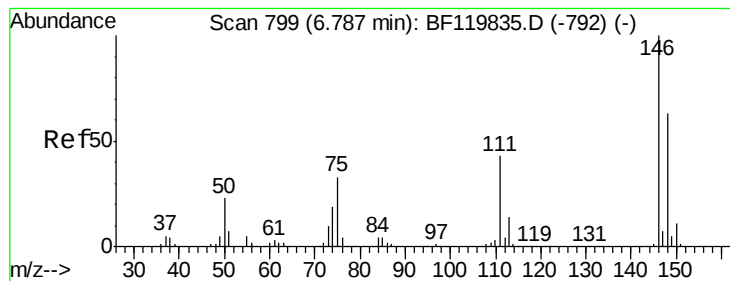
Tot Ion: 93 Resp: 532997
Ion Ratio Lower Upper
93 100
63 90.0 70.2 110.2
95 32.6 13.4 53.4



#12
1,3-Dichlorobenzene
Concen: 54.152 ng
RT: 6.60 min Scan# 768
Delta R.T. 0.00 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

Tgt Ion: 146 Resp: 561156
Ion Ratio Lower Upper
146 100
148 64.1 52.2 78.4
75 31.2 23.0 34.4





#13

1,4-Dichlorobenzene

Concen: 53.779 ng

RT: 6.68 min Scan# 781

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MS

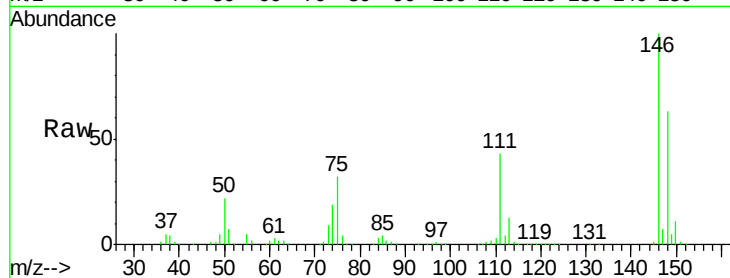
Tot Ion:146 Resp: 567691

Ion Ratio Lower Upper

146 100

148 62.9 51.5 77.3

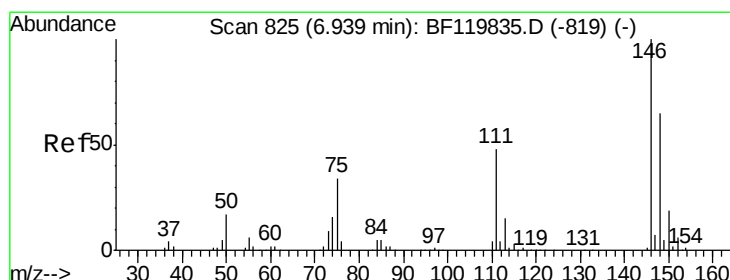
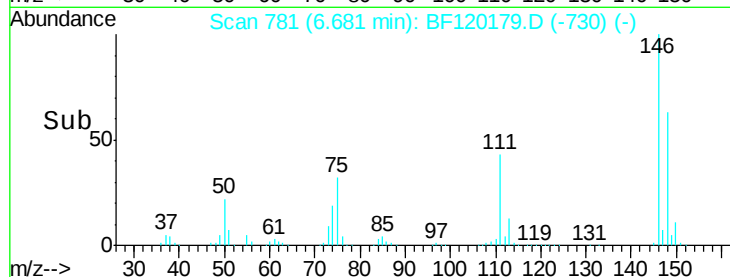
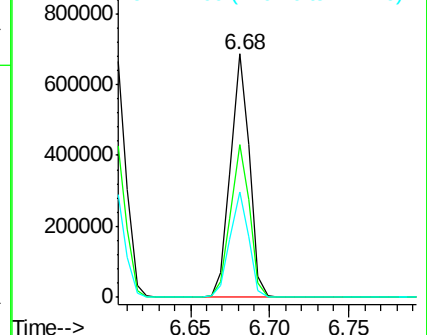
111 43.5 33.3 49.9



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 54.951 ng

RT: 6.84 min Scan# 808

Delta R.T. 0.01 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

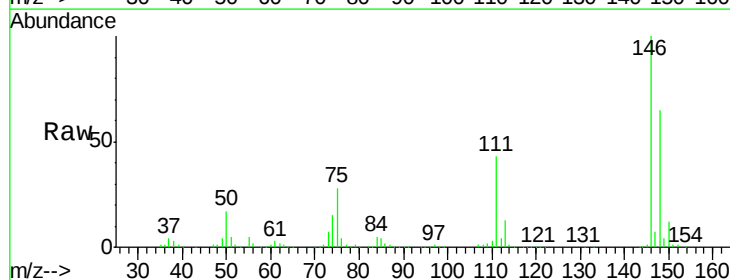
Tgt Ion:146 Resp: 534581

Ion Ratio Lower Upper

146 100

148 64.5 50.6 75.8

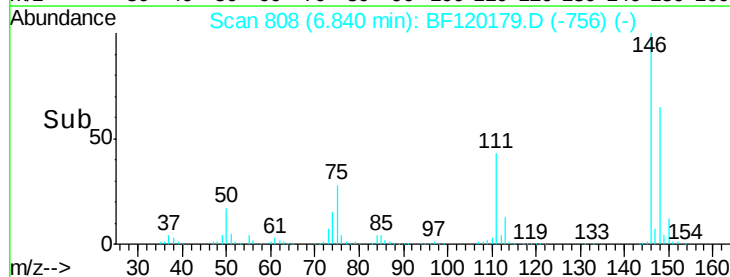
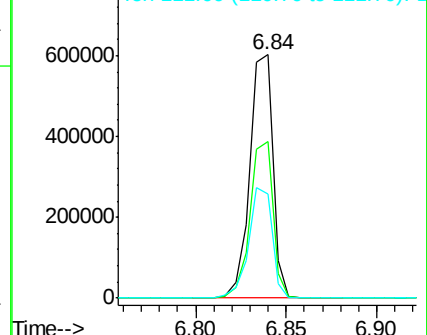
111 42.9 36.1 54.1

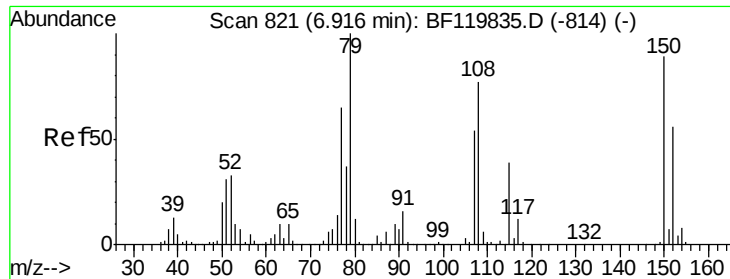


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

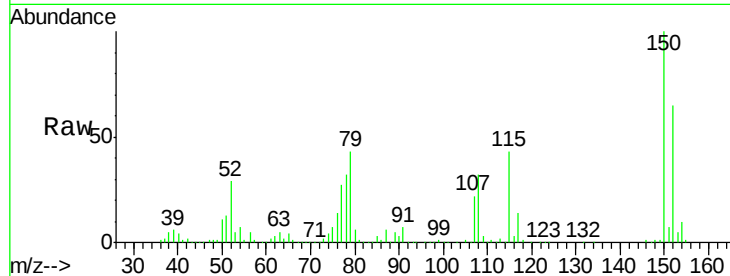




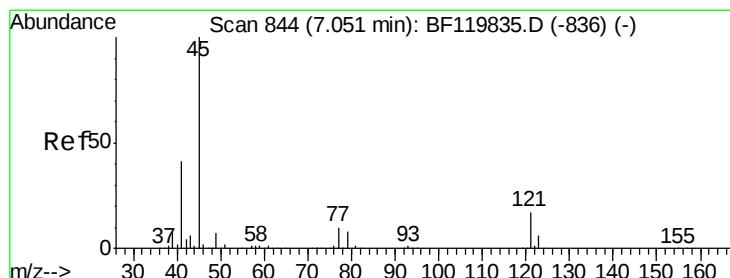
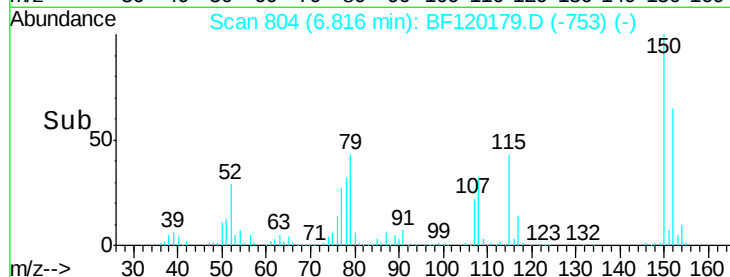
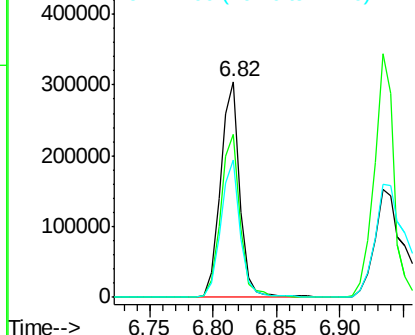
#15
Benzyl Alcohol
Concen: 38.376 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MS

Tot Ion: 79 Resp: 325369
Ion Ratio Lower Upper
79 100
108 75.5 60.6 90.8
77 63.5 50.2 75.2

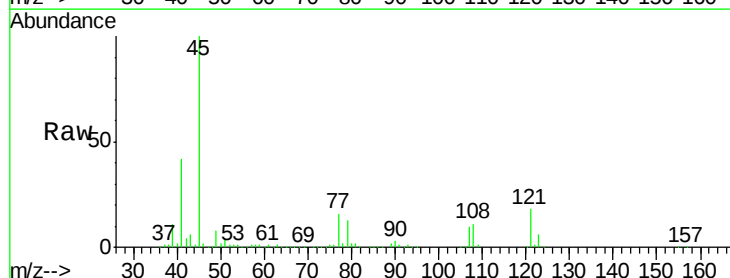


Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

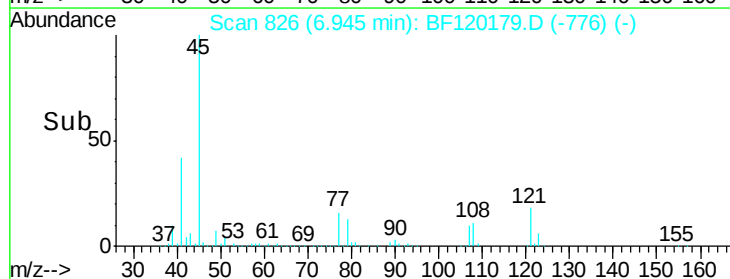
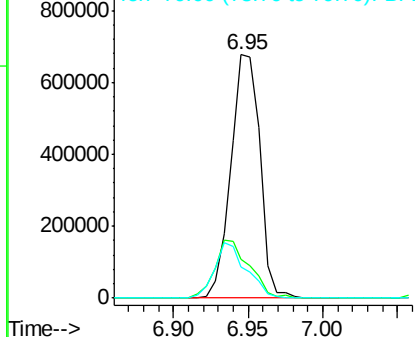


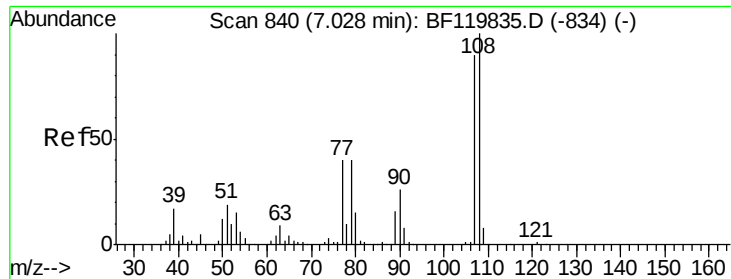
#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.655 ng
RT: 6.95 min Scan# 826
Delta R.T. -0.01 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

Tgt Ion: 45 Resp: 923912
Ion Ratio Lower Upper
45 100
77 15.8 0.0 30.7
79 12.7 0.0 28.2



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

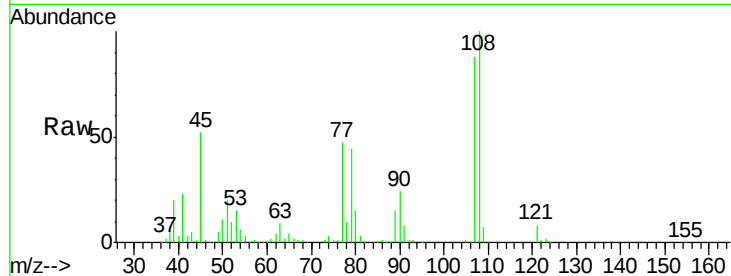




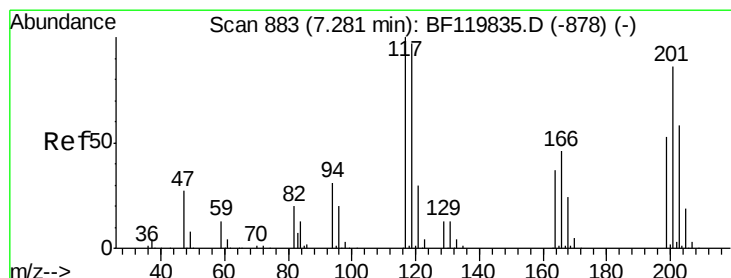
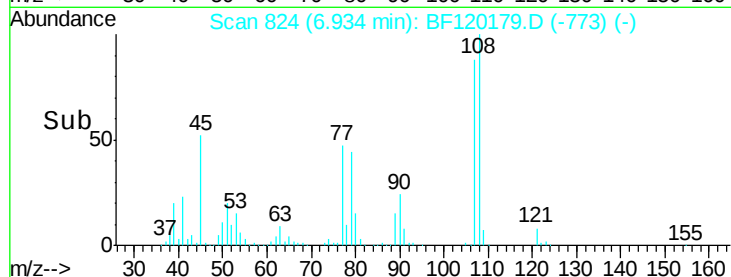
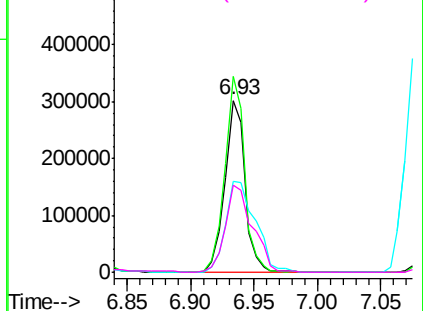
#17
2-Methylphenol
Concen: 39.387 ng
RT: 6.93 min Scan# 824
Delta R.T. 0.00 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MS

Tot Ion:	107	Resp:	332700
Ion	Ratio	Lower	Upper
107	100		
108	113.7	92.2	138.4
77	53.0	36.6	54.8
79	50.5	36.2	54.4

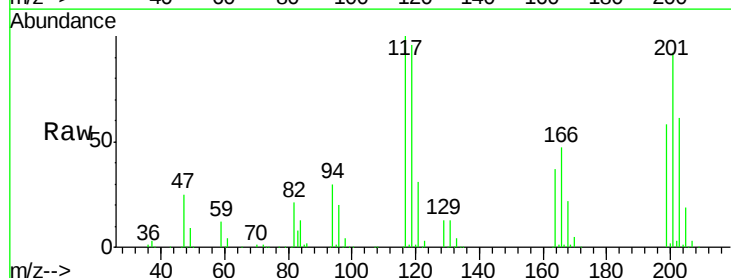


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

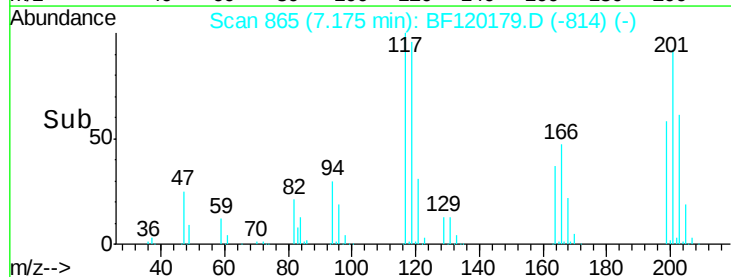
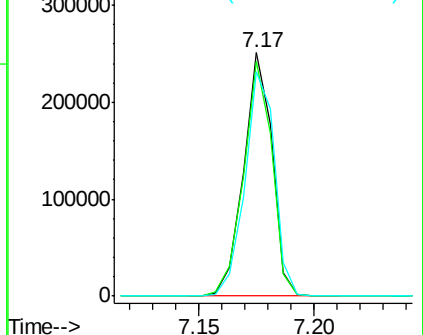


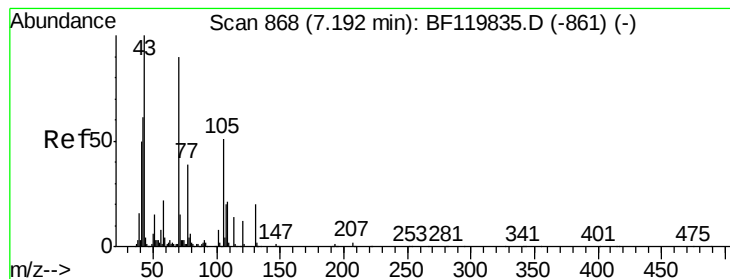
#18
Hexachloroethane
Concen: 55.015 ng
RT: 7.17 min Scan# 865
Delta R.T. 0.00 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

Tgt Ion:	117	Resp:	217036
Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.1	114.1
201	92.2	73.0	109.6



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: 57.293 ng

RT: 7.09 min Scan# 851

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MS

Tot Ion: 70 Resp: 402167

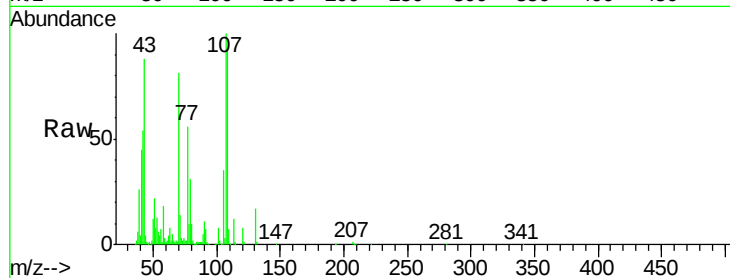
Ion Ratio Lower Upper

70 100

42 66.8 54.5 81.7

101 9.4 7.6 11.4

130 21.5 17.6 26.4



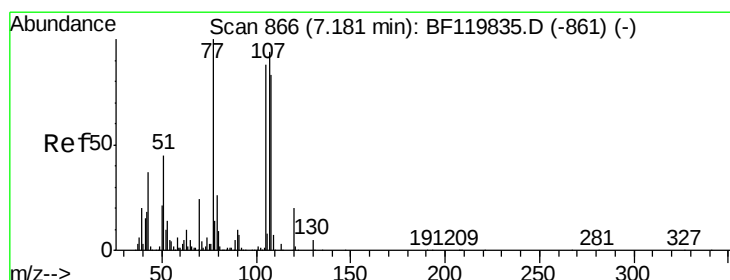
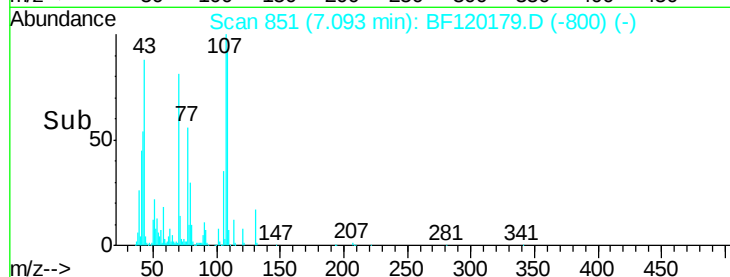
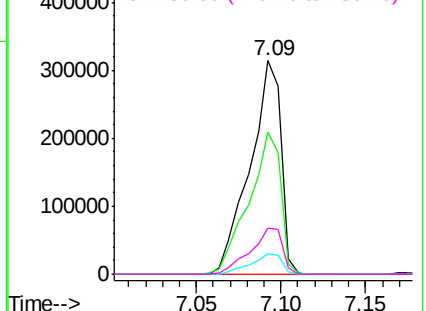
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20

3+4-Methylphenols

Concen: 36.656 ng

RT: 7.09 min Scan# 851

Delta R.T. 0.01 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Tgt Ion: 107 Resp: 378693

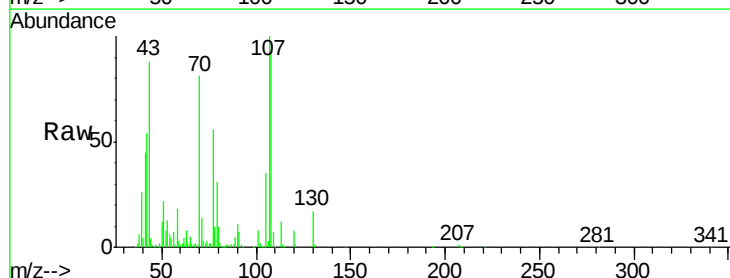
Ion Ratio Lower Upper

107 100

108 93.3 67.9 107.9

77 56.5 52.9 92.9

79 30.8 7.7 47.7



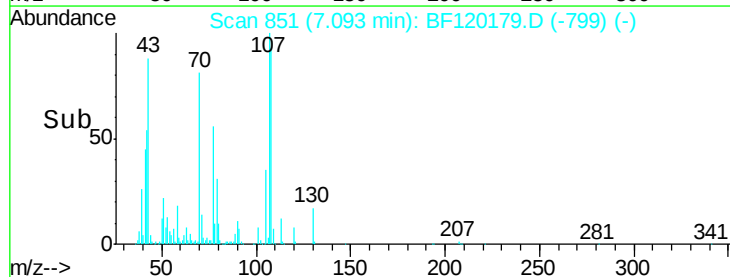
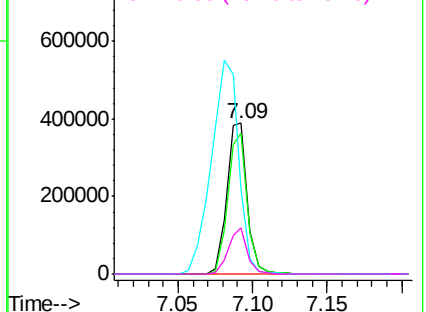
Abundance

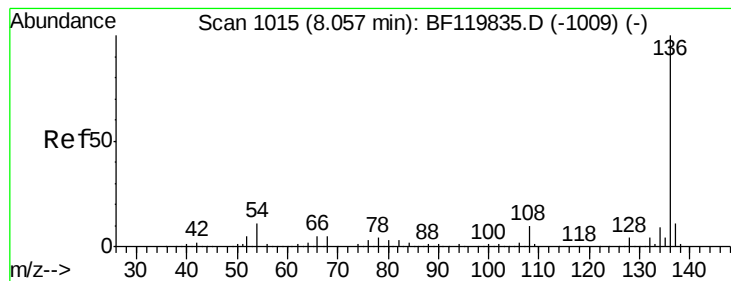
Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MS

Tot Ion:136 Resp: 581204

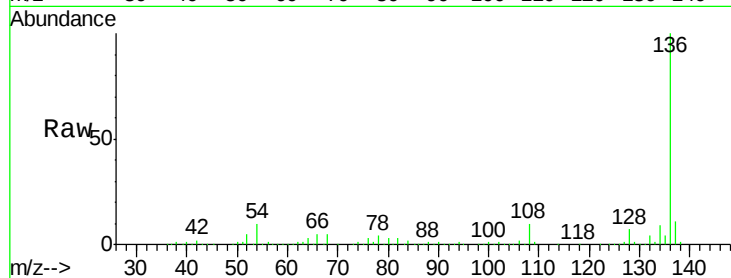
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 9.8 9.1 13.7

68 5.5 4.6 6.8

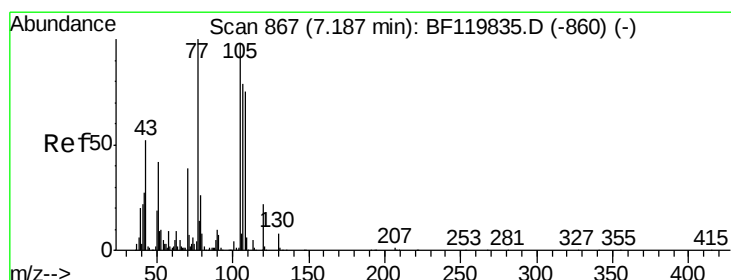
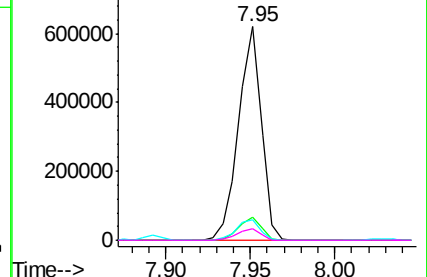
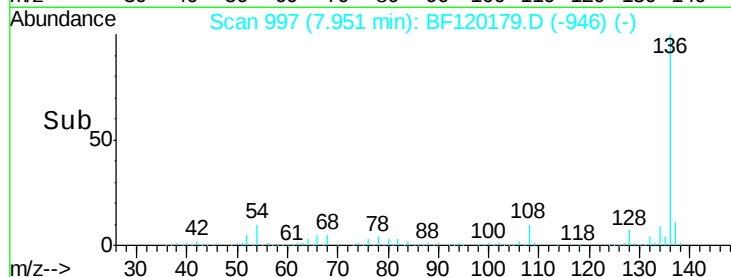


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 56.709 ng

RT: 7.08 min Scan# 849

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Tgt Ion:105 Resp: 771806

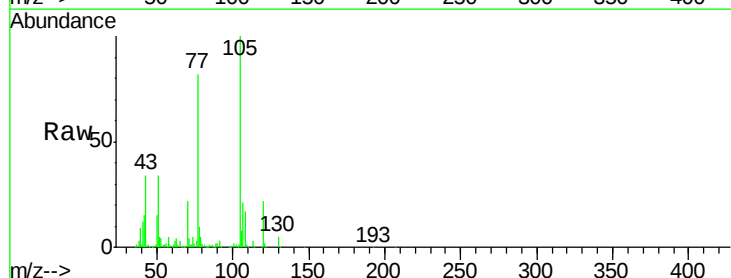
Ion Ratio Lower Upper

105 100

71 3.6 5.7 8.5#

51 34.2 26.2 39.4

120 22.0 18.3 27.5

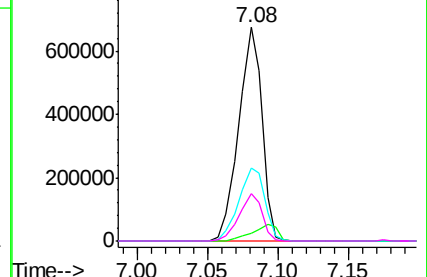
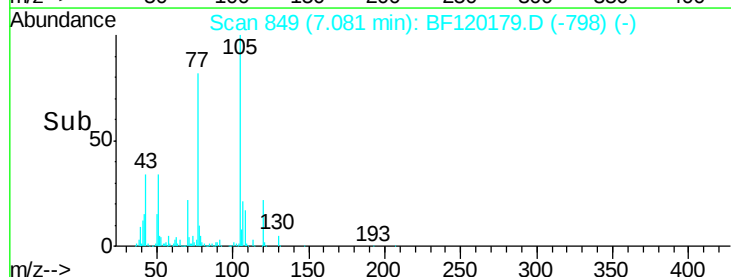


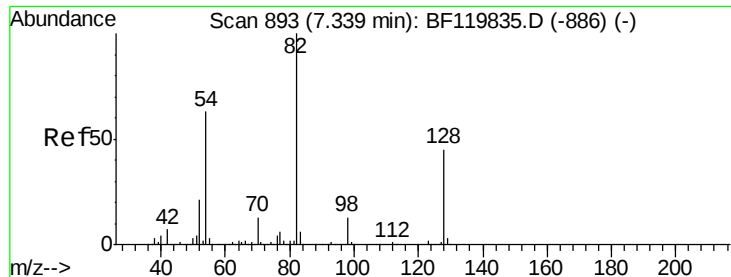
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

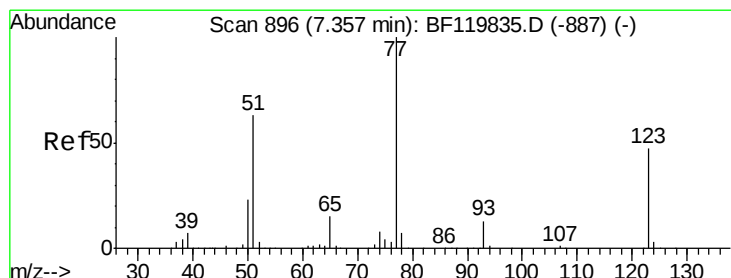
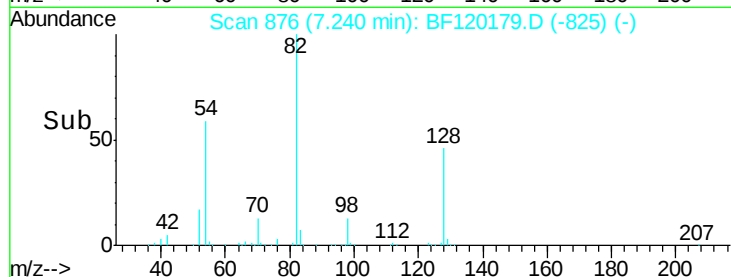
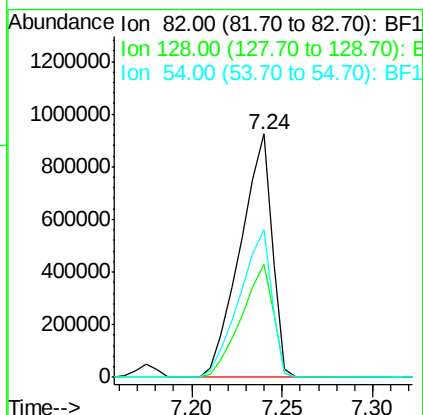
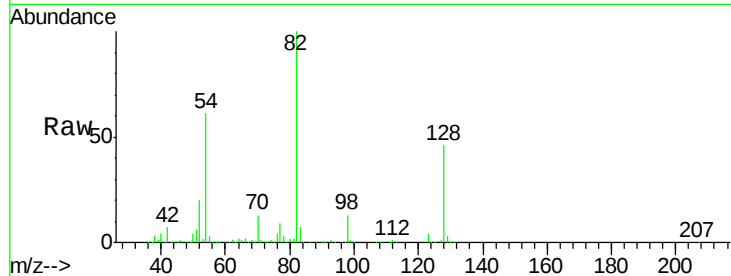




#23
 Nitrobenzene-d5
 Concen: 100.511 ng
 RT: 7.24 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: BF120179.D
 Acq: 23 Apr 2020 22:21

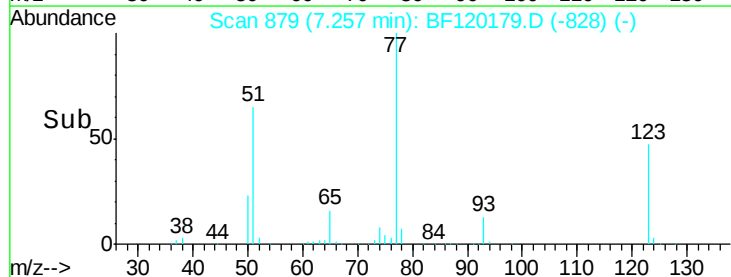
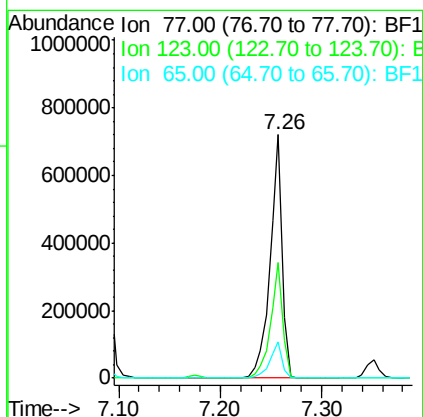
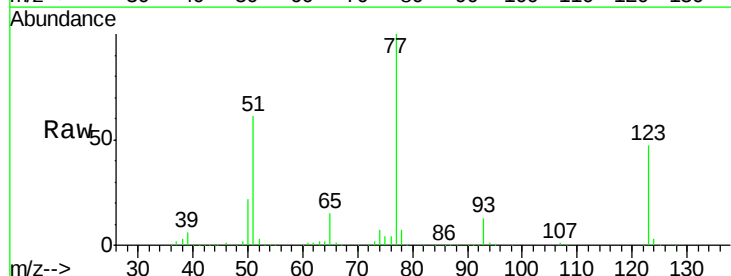
Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MS

Tot Ion: 82 Resp: 1129202
 Ion Ratio Lower Upper
 82 100
 128 46.2 36.3 54.5
 54 60.9 50.6 75.8



#24
 Nitrobenzene
 Concen: 52.891 ng
 RT: 7.26 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: BF120179.D
 Acq: 23 Apr 2020 22:21

Tgt Ion: 77 Resp: 597751
 Ion Ratio Lower Upper
 77 100
 123 47.3 38.0 57.0
 65 15.0 12.6 18.8





#25

Isophorone

Concen: 51.553 ng

RT: 7.50 min Scan# 920

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MS

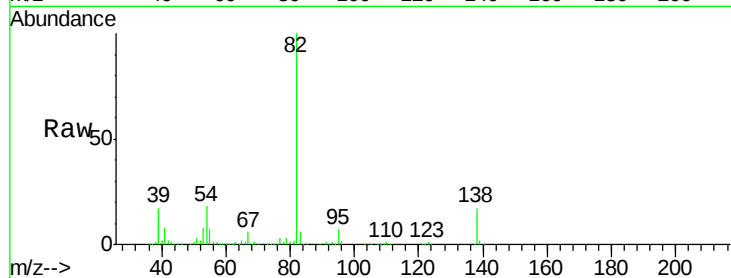
Tot Ion: 82 Resp: 1116470

Ion Ratio Lower Upper

82 100

95 6.9 5.8 8.6

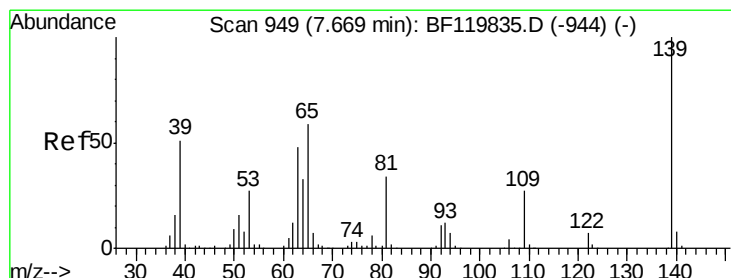
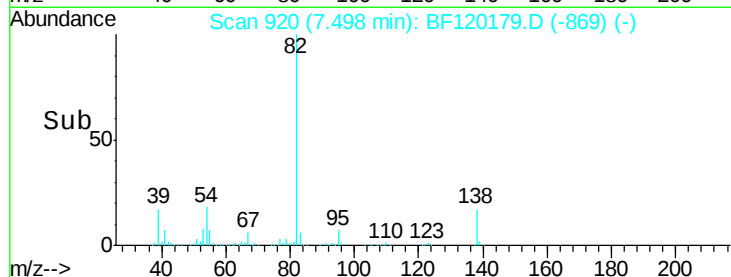
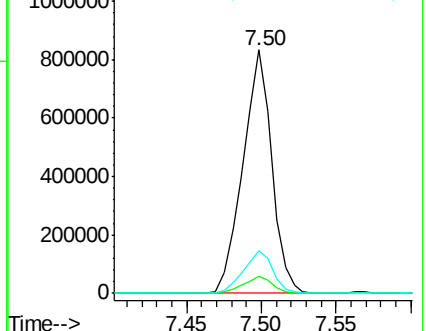
138 17.4 14.6 21.8



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: 54.119 ng

RT: 7.57 min Scan# 932

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

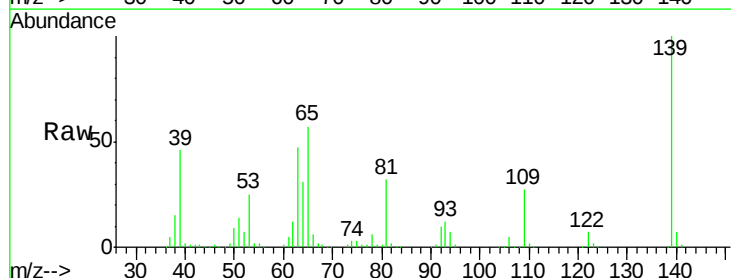
Tgt Ion:139 Resp: 305568

Ion Ratio Lower Upper

139 100

109 27.3 22.1 33.1

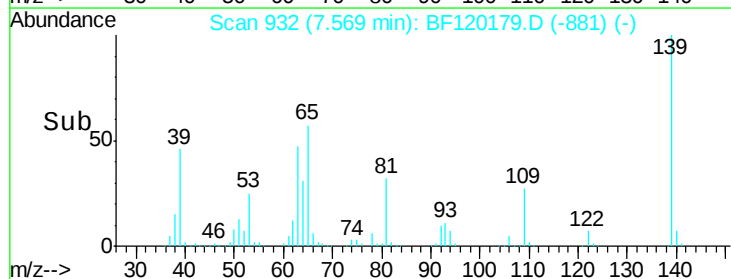
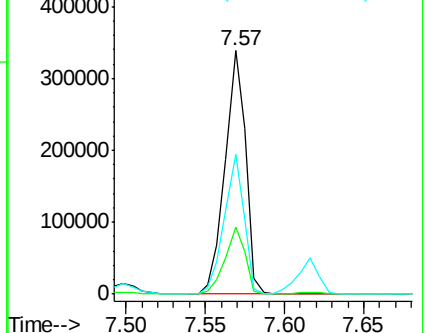
65 57.3 49.2 73.8

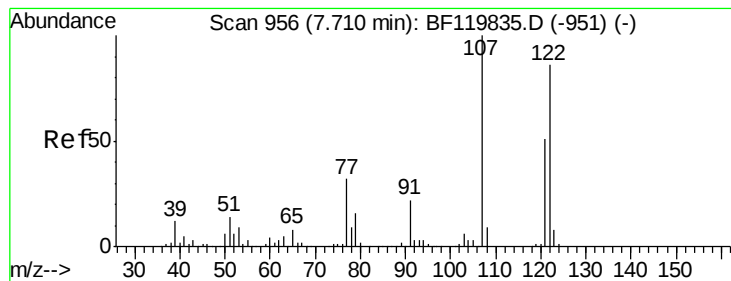


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

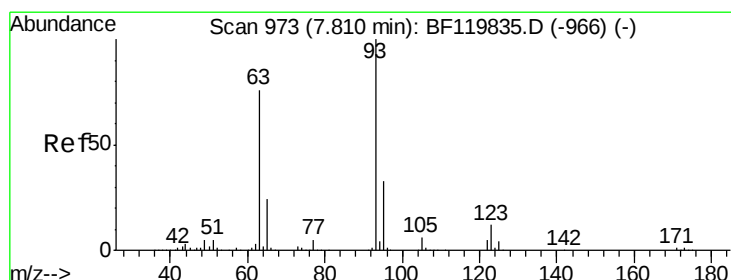
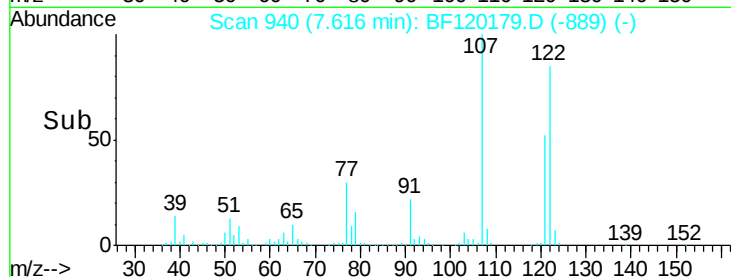
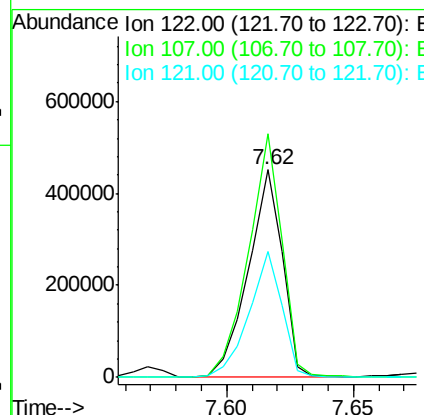
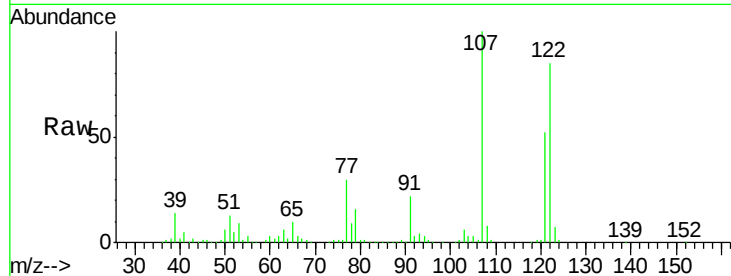




#27
 2,4-Dimethylphenol
 Concen: 49.956 ng
 RT: 7.62 min Scan# 940
 Delta R.T. 0.00 min
 Lab File: BF120179.D
 Acq: 23 Apr 2020 22:21

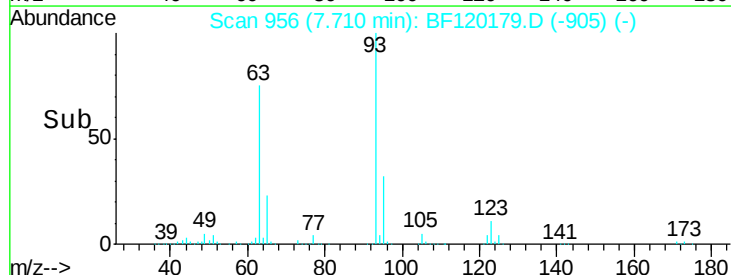
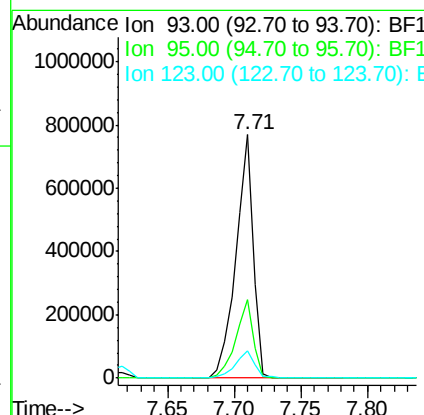
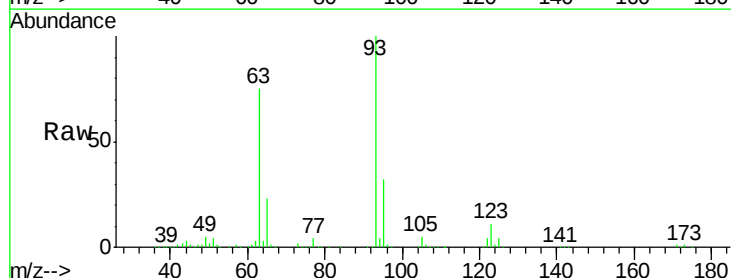
Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MS

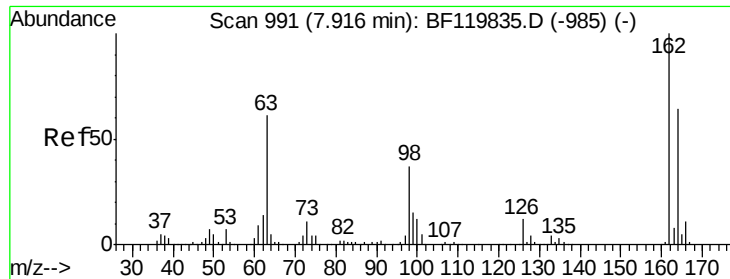
Tot Ion:122 Resp: 425402
 Ion Ratio Lower Upper
 122 100
 107 117.2 89.0 133.6
 121 60.4 46.7 70.1



#28
 bis(2-Chloroethoxy)methane
 Concen: 55.636 ng
 RT: 7.71 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: BF120179.D
 Acq: 23 Apr 2020 22:21

Tgt Ion: 93 Resp: 709011
 Ion Ratio Lower Upper
 93 100
 95 32.3 26.3 39.5
 123 11.3 9.7 14.5

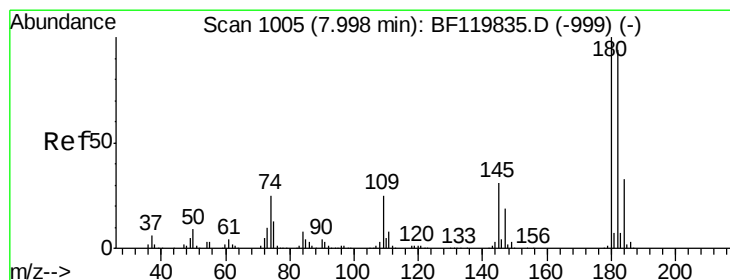
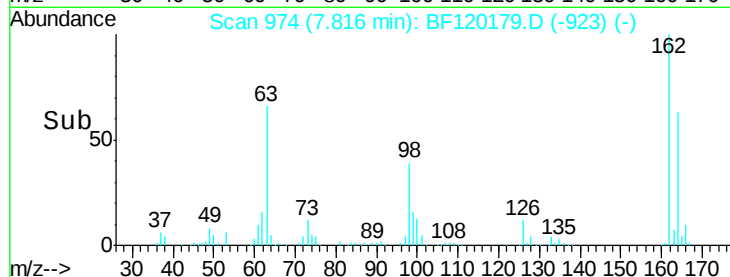
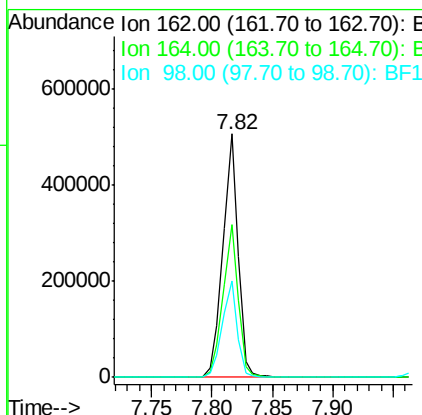
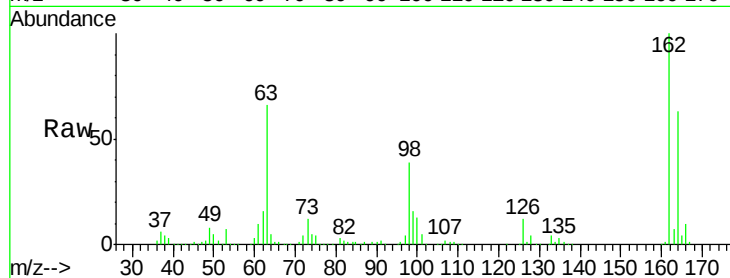




#29
2,4-Dichlorophenol
Concen: 50.527 ng
RT: 7.82 min Scan# 974
Delta R.T. 0.00 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

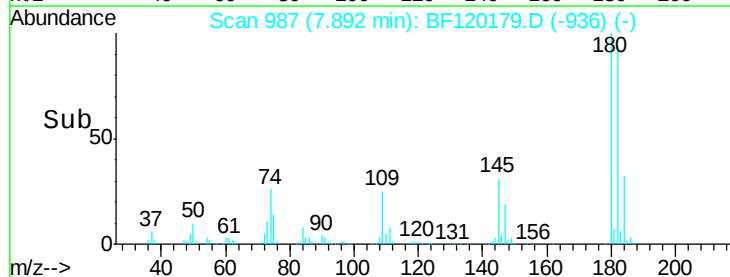
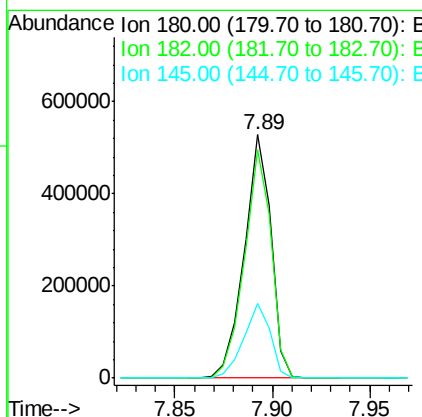
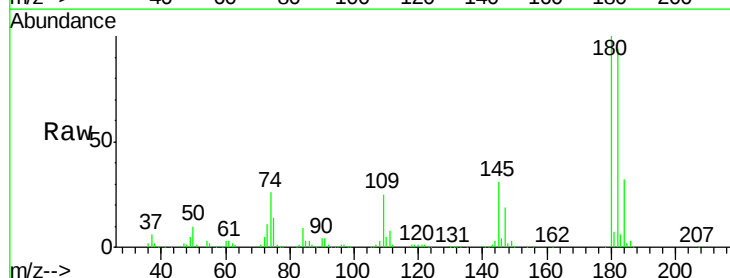
Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MS

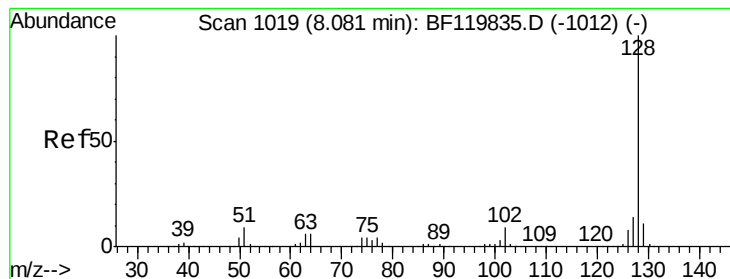
Tot Ion:162 Resp: 441037
Ion Ratio Lower Upper
162 100
164 62.7 44.7 84.7
98 39.4 20.7 60.7



#30
1,2,4-Trichlorobenzene
Concen: 50.592 ng
RT: 7.89 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

Tgt Ion:180 Resp: 500368
Ion Ratio Lower Upper
180 100
182 93.8 74.7 112.1
145 30.6 24.5 36.7





#31

Naphthalene

Concen: 52.651 ng

RT: 7.97 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MS

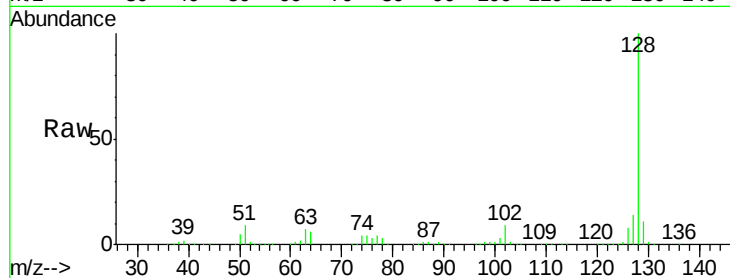
Tot Ion:128 Resp: 1610007

Ion Ratio Lower Upper

128 100

129 11.3 9.5 14.3

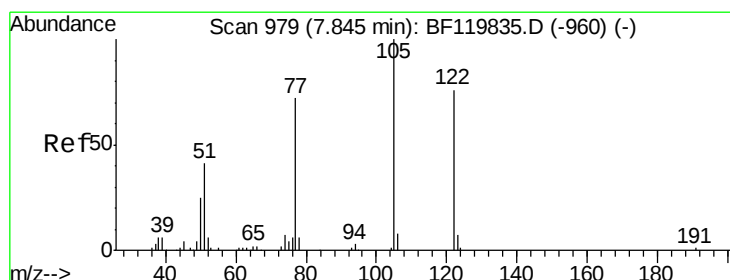
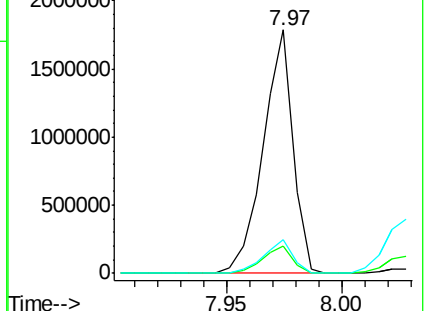
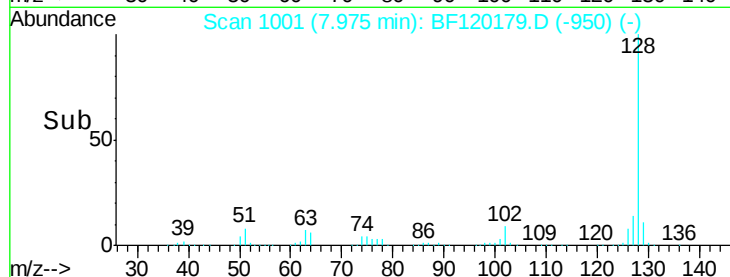
127 13.8 11.3 16.9



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: 16.199 ng

RT: 7.73 min Scan# 959

Delta R.T. -0.03 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

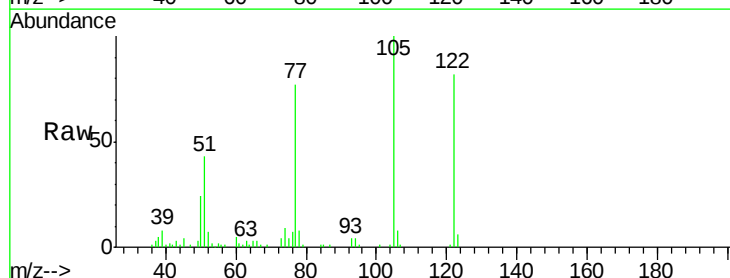
Tgt Ion:122 Resp: 121149

Ion Ratio Lower Upper

122 100

105 121.3 104.9 144.9

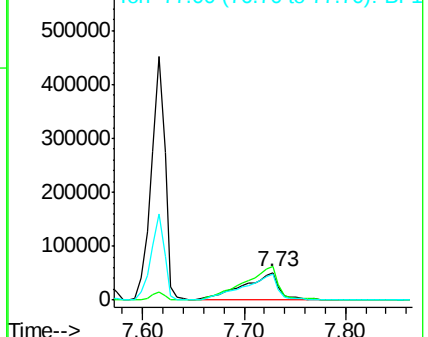
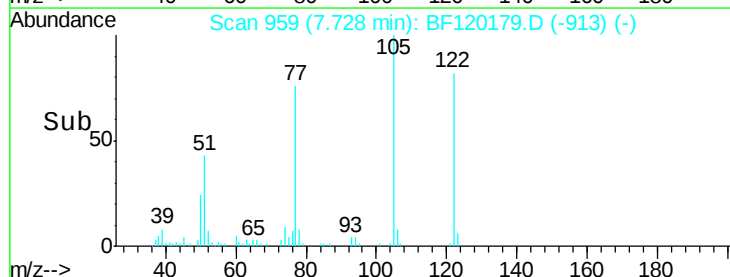
77 93.1 74.4 114.4



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

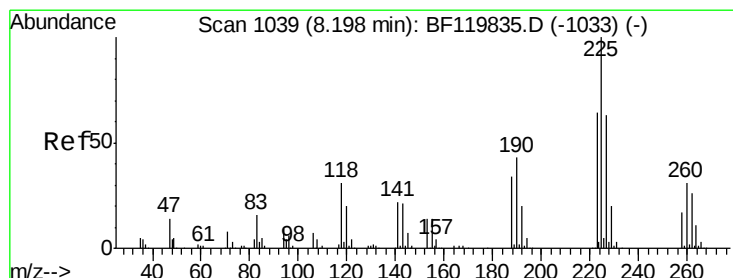
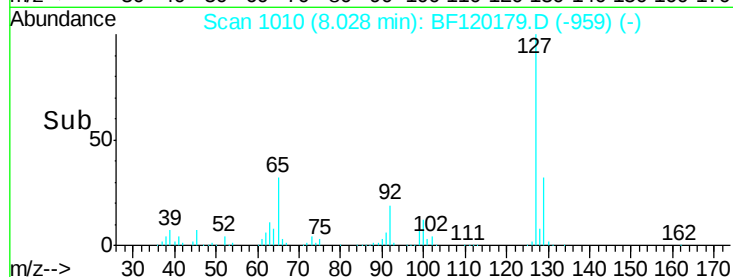
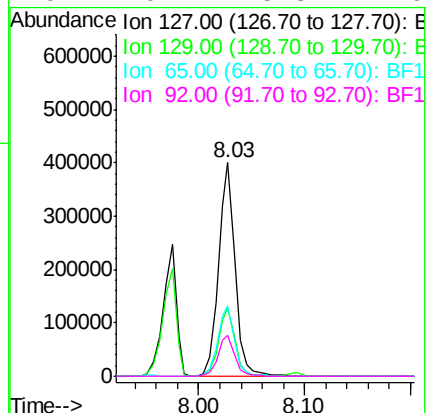
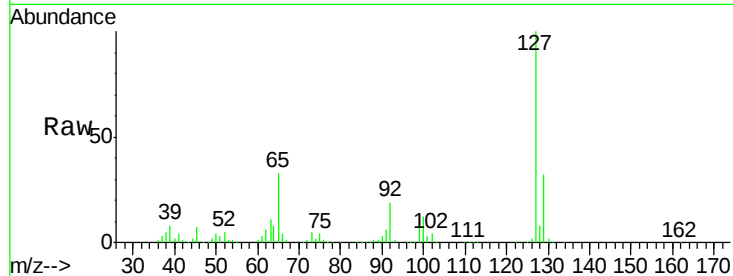




#33
4-Chloroaniline
Concen: 33.541 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

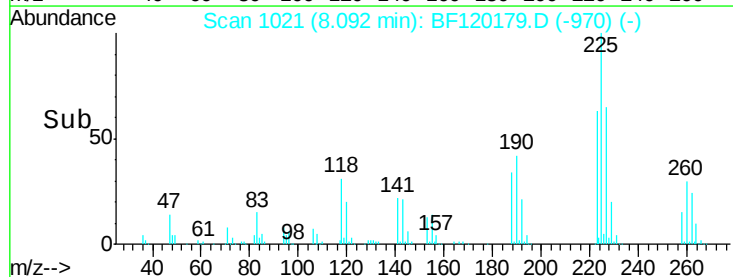
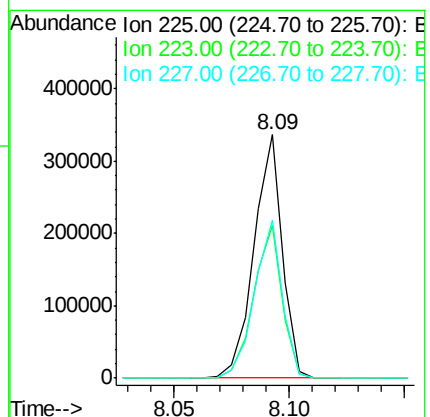
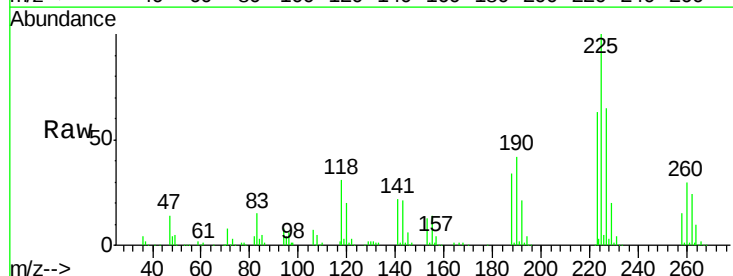
Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MS

Tot Ion:	127	Resp:	446505
Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.2	39.4
65	32.7	27.4	41.0
92	19.2	15.3	22.9



#34
Hexachlorobutadiene
Concen: 48.758 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

Tgt Ion:	225	Resp:	288670
Ion	Ratio	Lower	Upper
225	100		
223	62.9	51.0	76.6
227	64.6	50.7	76.1

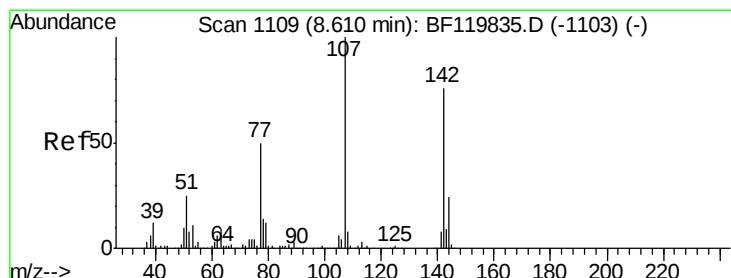
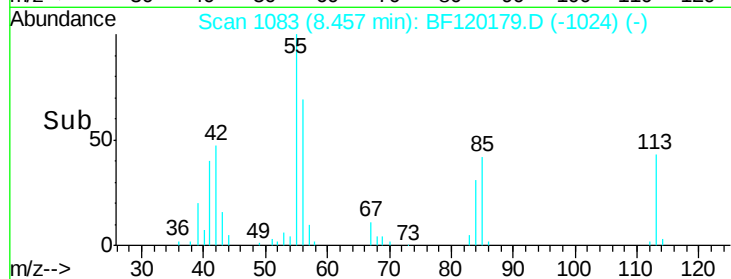
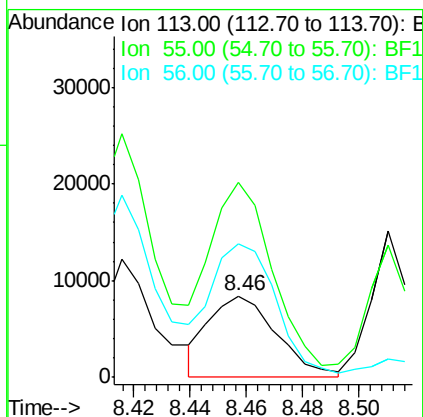
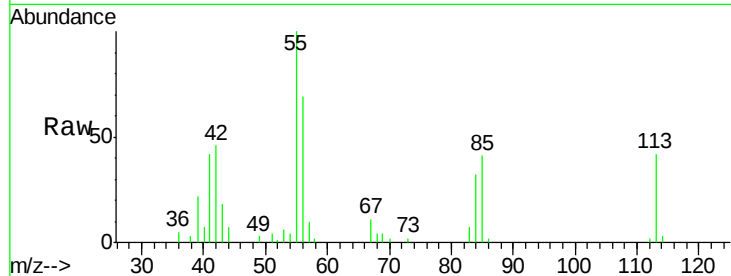




#35
 Caprolactam
 Concen: 5.259 ng
 RT: 8.46 min Scan# 1083
 Delta R.T. 0.05 min
 Lab File: BF120179.D
 Acq: 23 Apr 2020 22:21

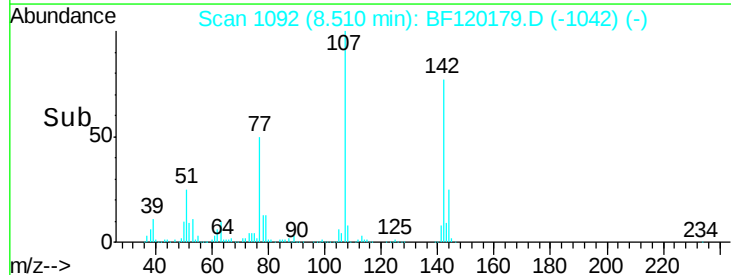
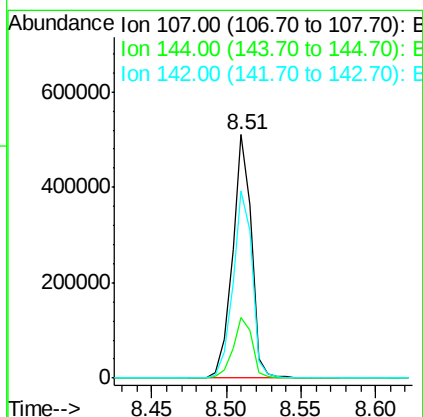
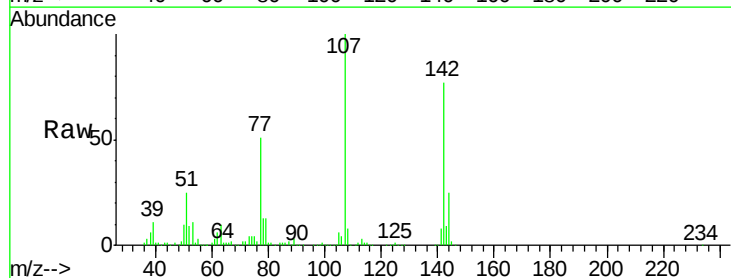
Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MS

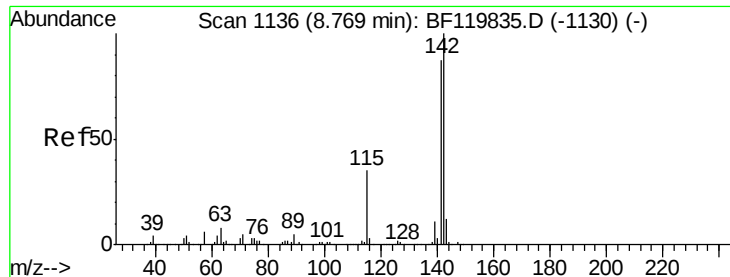
Tot Ion:113 Resp: 14043
 Ion Ratio Lower Upper
 113 100
 55 238.4 218.4 258.4
 56 164.3 148.9 188.9



#36
 4-Chloro-3-methylphenol
 Concen: 48.479 ng
 RT: 8.51 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: BF120179.D
 Acq: 23 Apr 2020 22:21

Tgt Ion:107 Resp: 458135
 Ion Ratio Lower Upper
 107 100
 144 24.8 21.0 31.6
 142 76.8 64.4 96.6

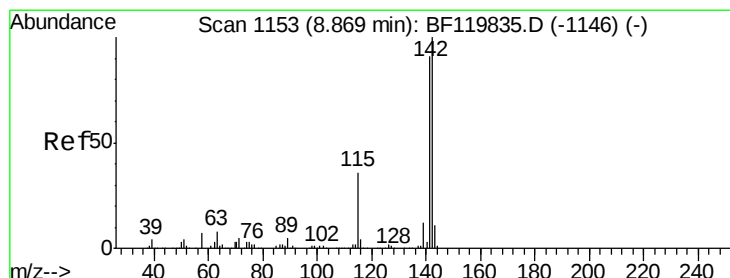
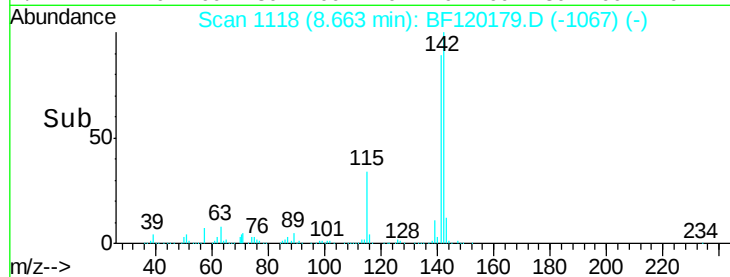
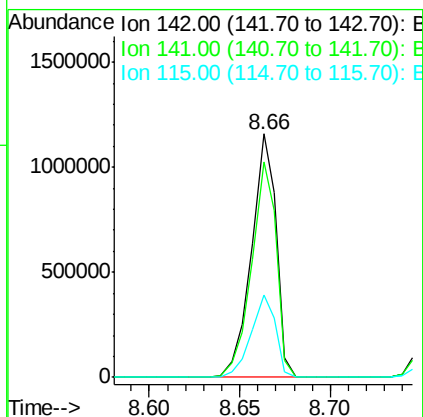
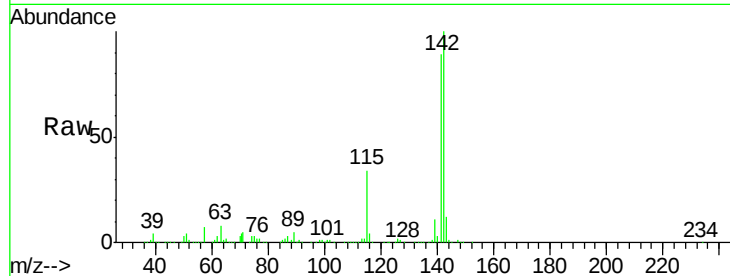




#37
2-Methylnaphthalene
Concen: 53.034 ng
RT: 8.66 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

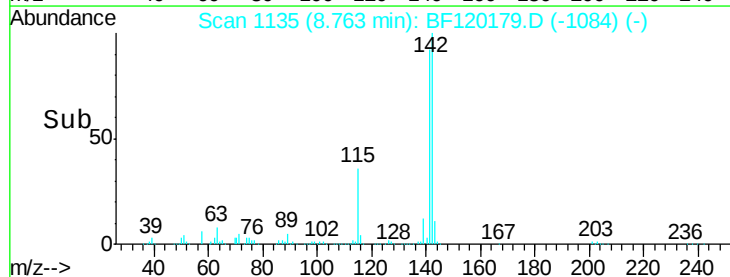
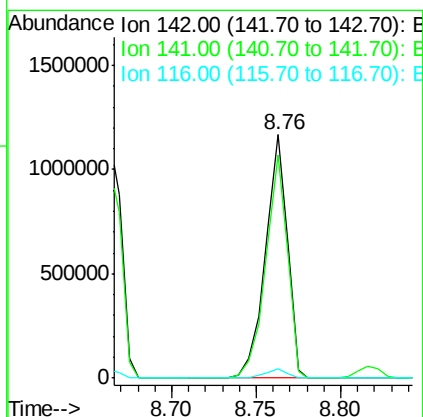
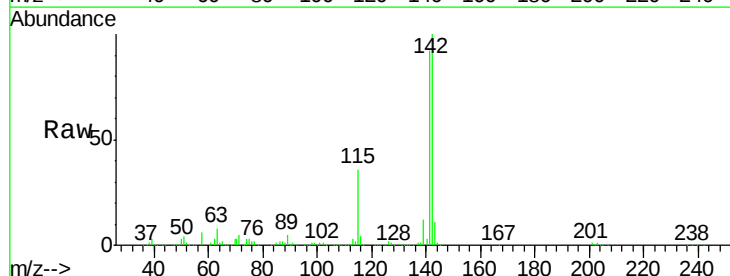
Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MS

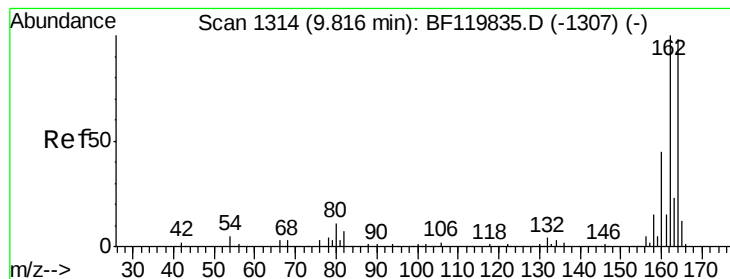
Tot Ion:142 Resp: 1099468
Ion Ratio Lower Upper
142 100
141 88.6 71.7 107.5
115 34.0 27.9 41.9



#38
1-Methylnaphthalene
Concen: 53.502 ng
RT: 8.76 min Scan# 1135
Delta R.T. 0.00 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

Tgt Ion:142 Resp: 1045443
Ion Ratio Lower Upper
142 100
141 91.6 73.7 110.5
116 3.7 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.70 min Scan# 1295

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MS

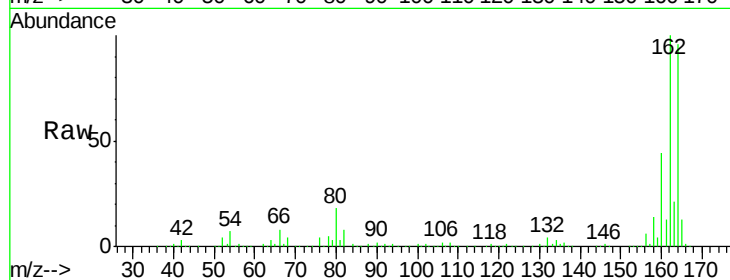
Tot Ion:164 Resp: 298503

Ion Ratio Lower Upper

164 100

162 104.3 80.6 121.0

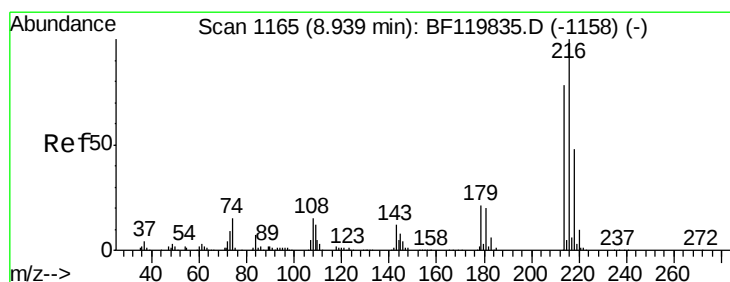
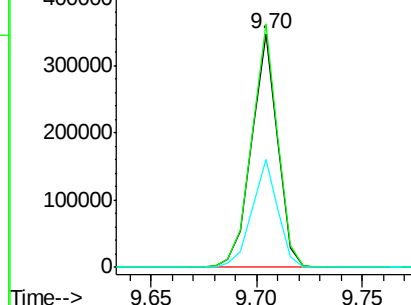
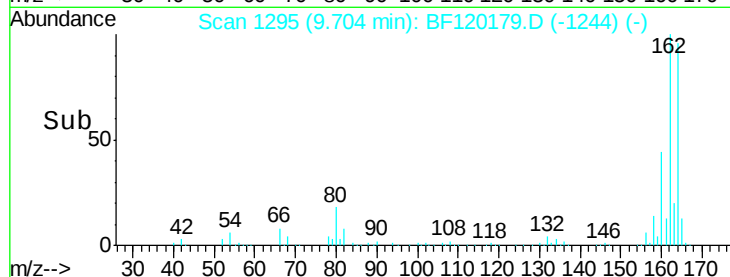
160 46.3 35.7 53.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 51.384 ng

RT: 8.83 min Scan# 1147

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Tgt Ion:216 Resp: 484451

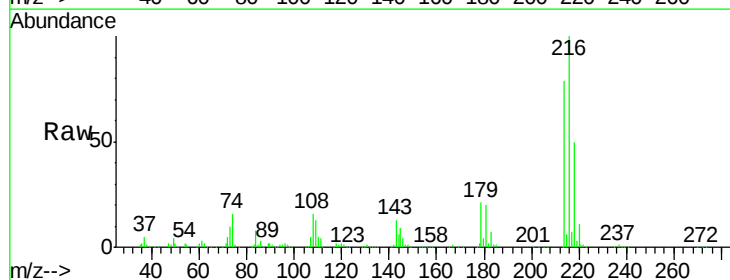
Ion Ratio Lower Upper

216 100

214 79.4 63.2 94.8

179 21.6 17.1 25.7

108 19.4 15.1 22.7

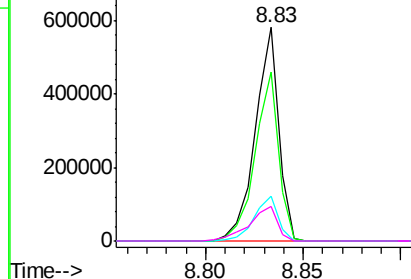
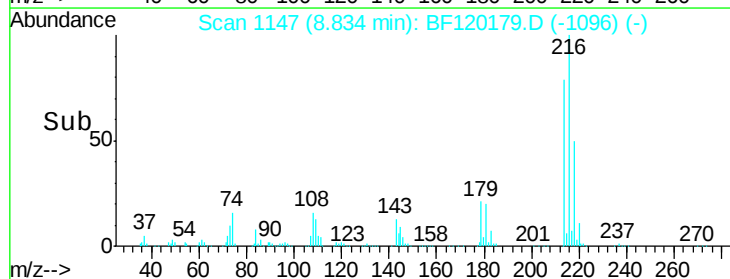


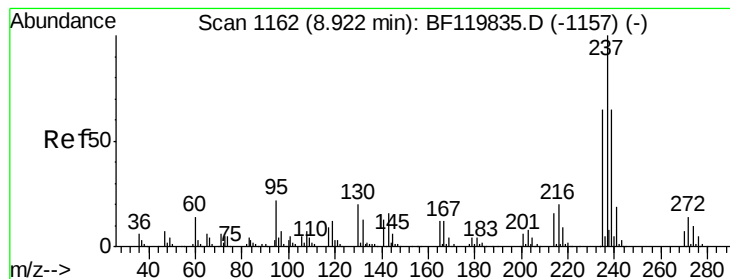
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 84.043 ng

RT: 8.82 min Scan# 1144

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MS

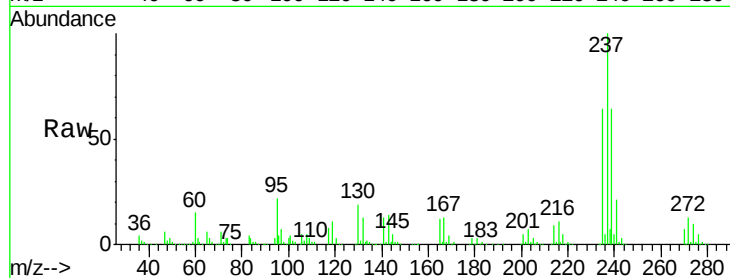
Tot Ion:237 Resp: 450565

Ion Ratio Lower Upper

237 100

235 64.1 43.2 83.2

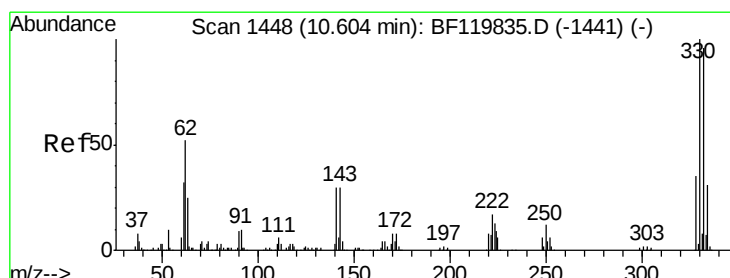
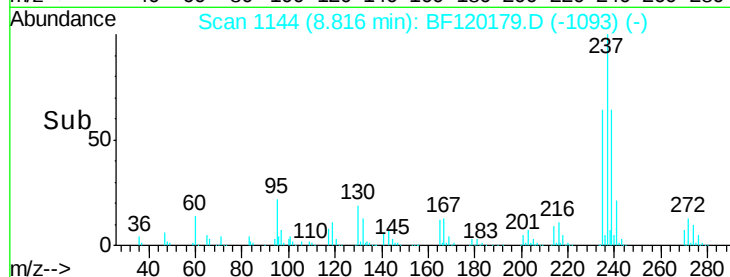
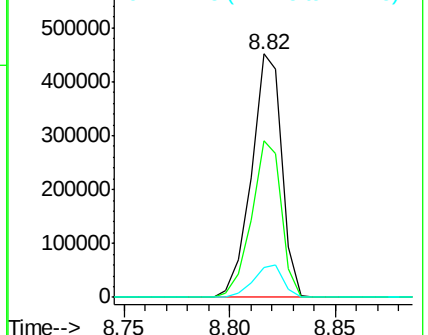
272 12.5 0.0 34.1



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 131.775 ng

RT: 10.50 min Scan# 1430

Delta R.T. 0.01 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

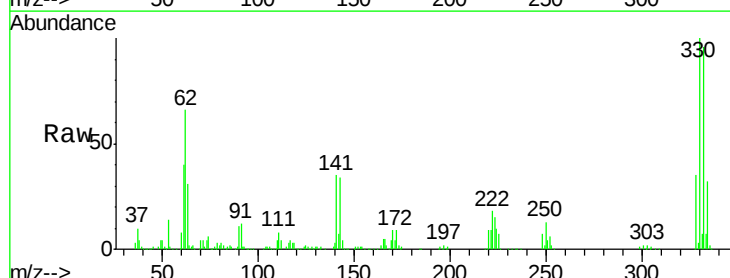
Tgt Ion:330 Resp: 481595

Ion Ratio Lower Upper

330 100

332 97.0 75.7 113.5

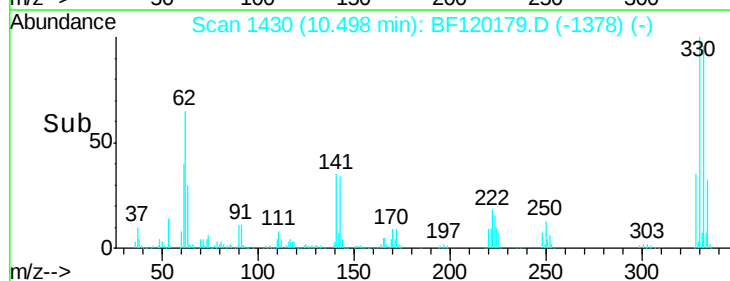
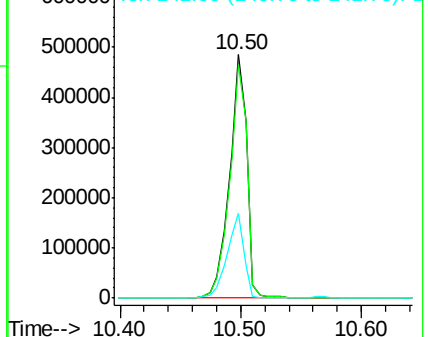
141 33.9 25.4 38.0

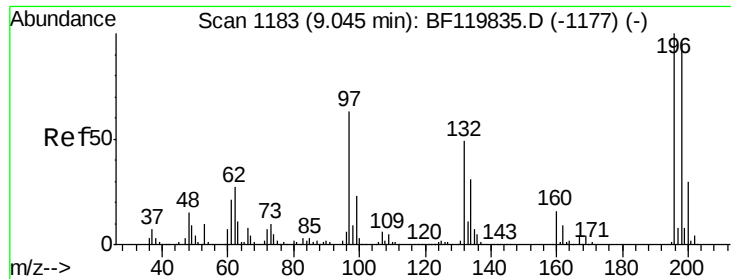


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

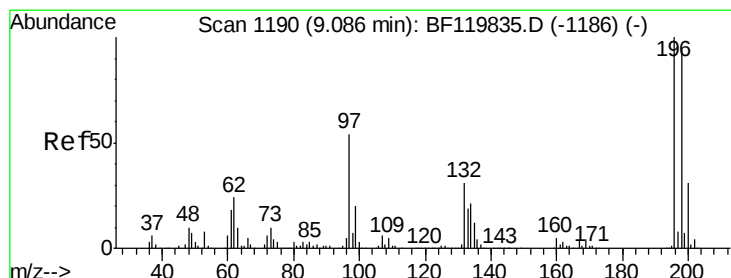
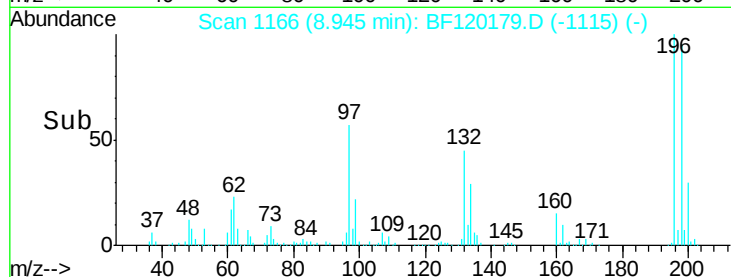
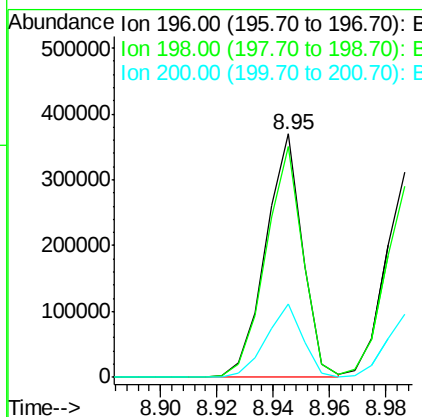
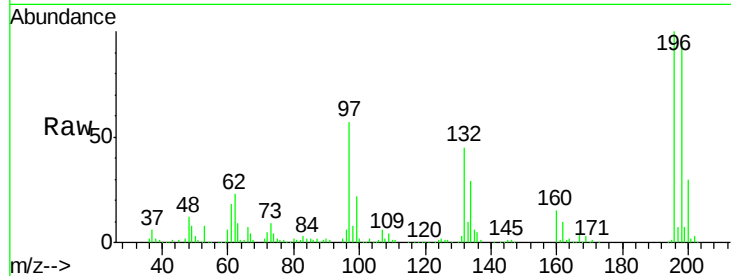




#43
 2,4,6-Trichlorophenol
 Concen: 51.172 ng
 RT: 8.95 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: BF120179.D
 Acq: 23 Apr 2020 22:21

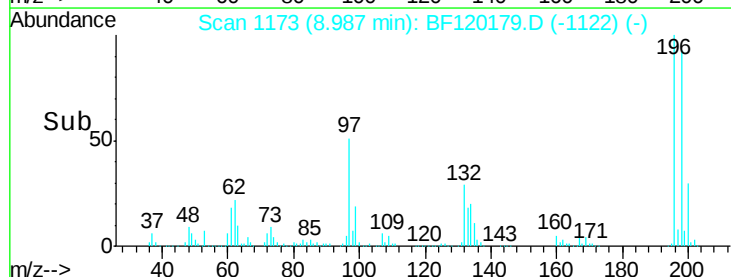
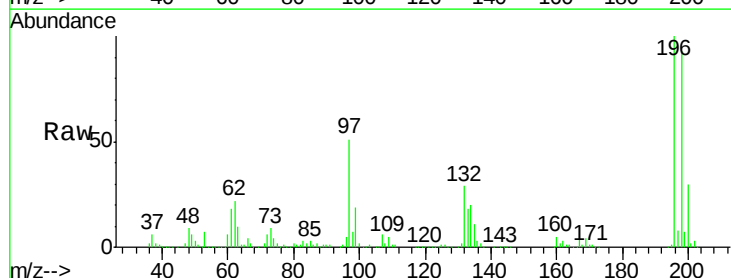
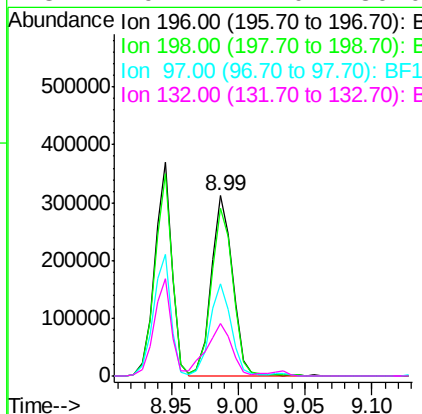
Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MS

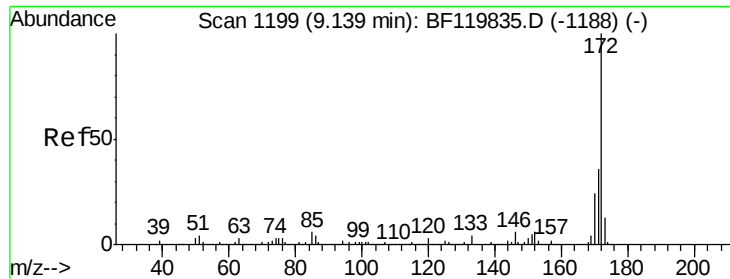
Tot Ion:196 Resp: 333152
 Ion Ratio Lower Upper
 196 100
 198 94.8 76.6 115.0
 200 30.1 24.6 36.8



#44
 2,4,5-Trichlorophenol
 Concen: 47.918 ng
 RT: 8.99 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: BF120179.D
 Acq: 23 Apr 2020 22:21

Tgt Ion:196 Resp: 351368
 Ion Ratio Lower Upper
 196 100
 198 93.2 73.8 110.8
 97 50.8 42.6 63.8
 132 29.2 24.0 36.0

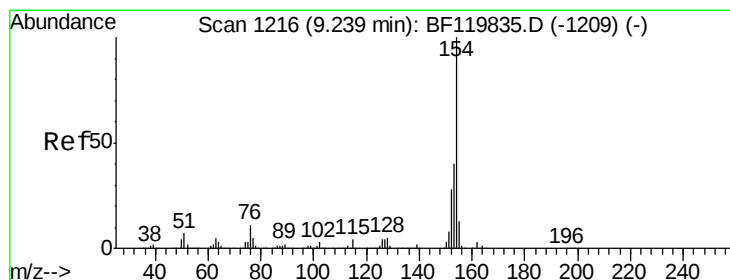
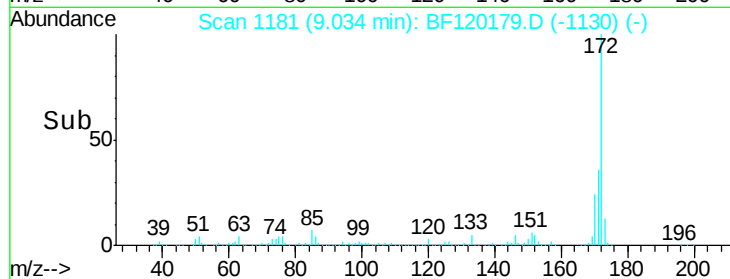
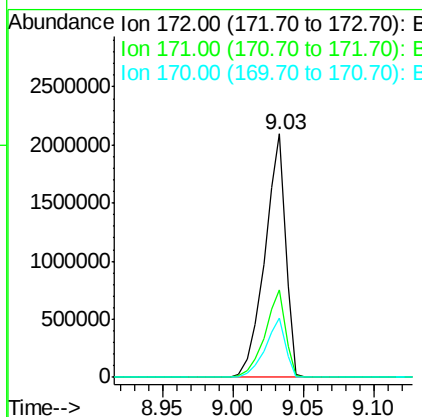
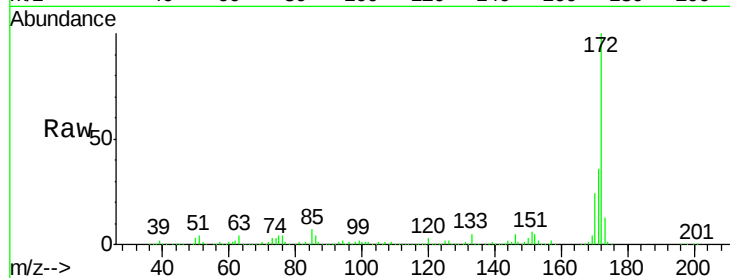




#45
2-Fluorobiphenyl
Concen: 103.617 ng
RT: 9.03 min Scan# 1181
Delta R.T. 0.00 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

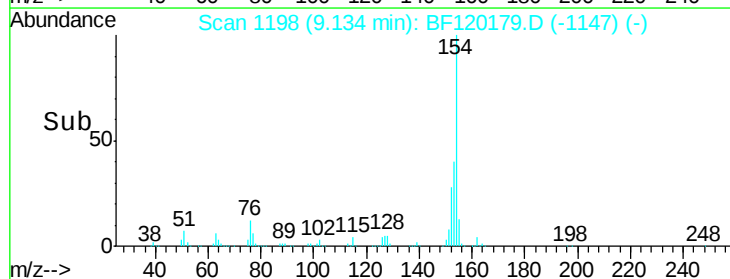
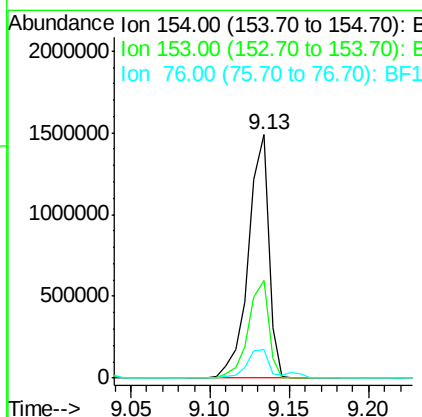
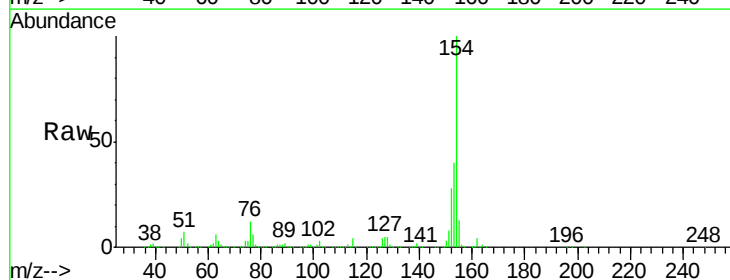
Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MS

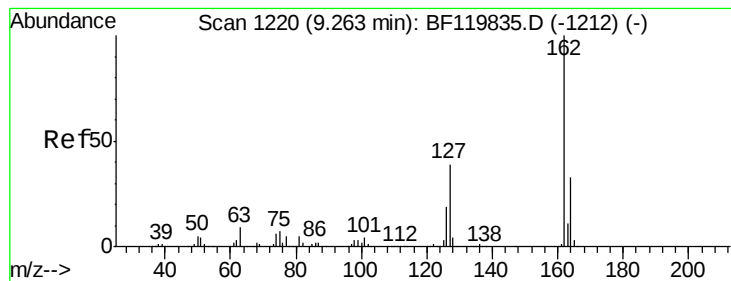
Tot Ion:172 Resp: 2178504
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 24.3 20.2 30.2



#46
1,1'-Biphenyl
Concen: 52.474 ng
RT: 9.13 min Scan# 1198
Delta R.T. 0.00 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

Tgt Ion:154 Resp: 1322092
Ion Ratio Lower Upper
154 100
153 40.0 21.4 61.4
76 12.0 0.0 33.0





#47

2-Chloronaphthalene

Concen: 53.130 ng

RT: 9.16 min Scan# 1202

Delta R.T. 0.01 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MS

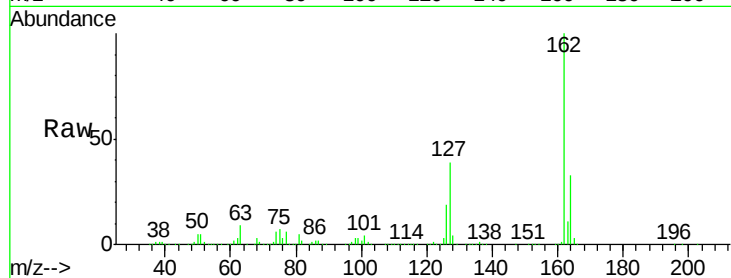
Tot Ion:162 Resp: 1031203

Ion Ratio Lower Upper

162 100

127 39.4 33.7 50.5

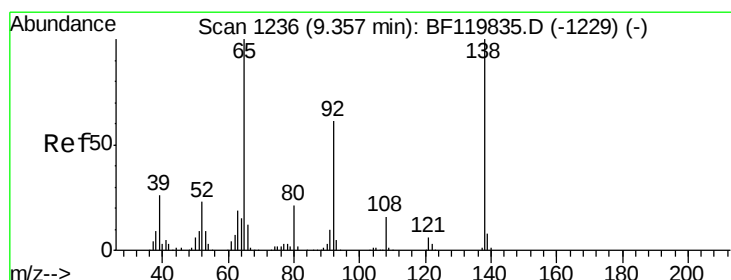
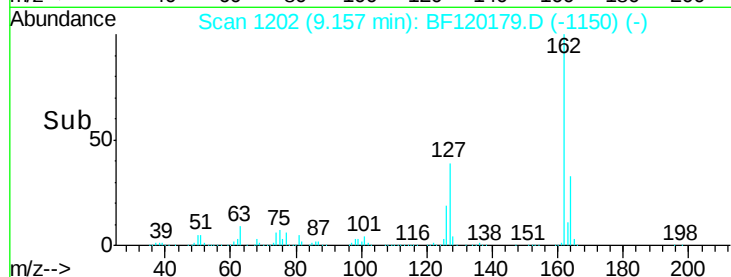
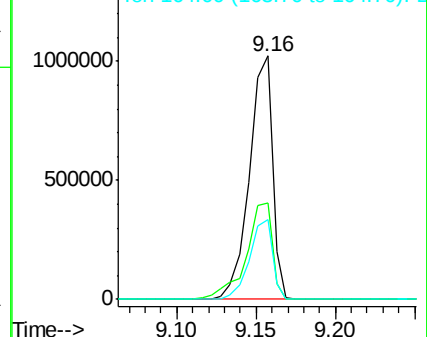
164 32.6 26.3 39.5



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 53.338 ng

RT: 9.26 min Scan# 1219

Delta R.T. 0.01 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

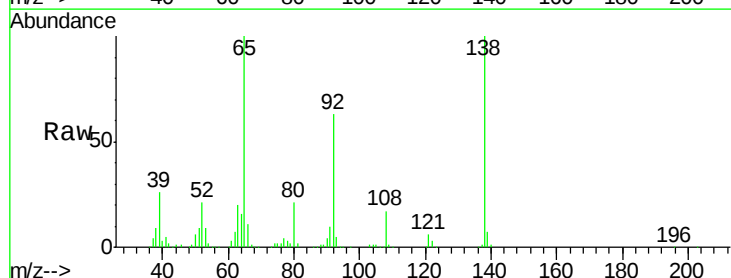
Tgt Ion: 65 Resp: 375162

Ion Ratio Lower Upper

65 100

92 63.1 50.0 75.0

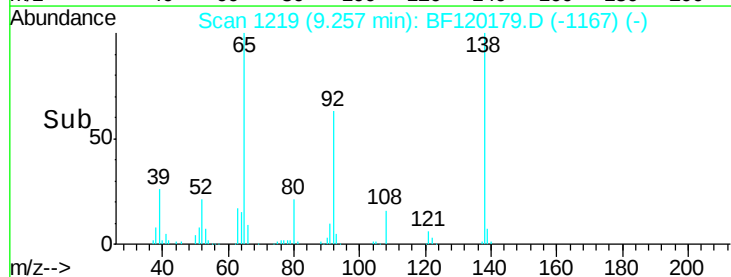
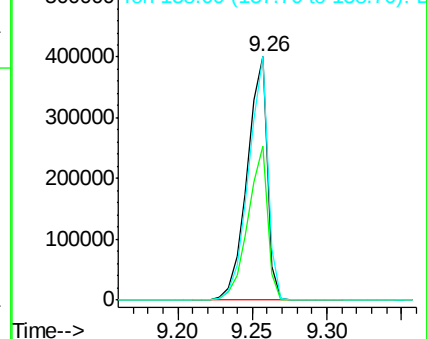
138 100.1 75.0 112.4

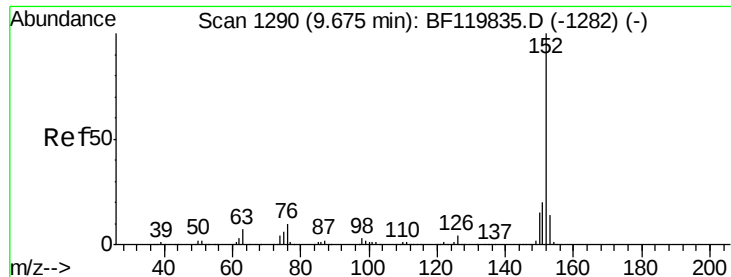


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 53.275 ng

RT: 9.57 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Instrument :

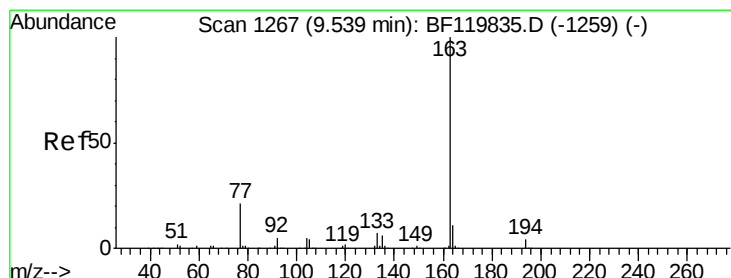
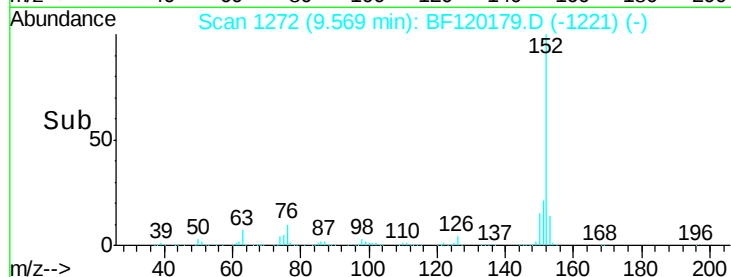
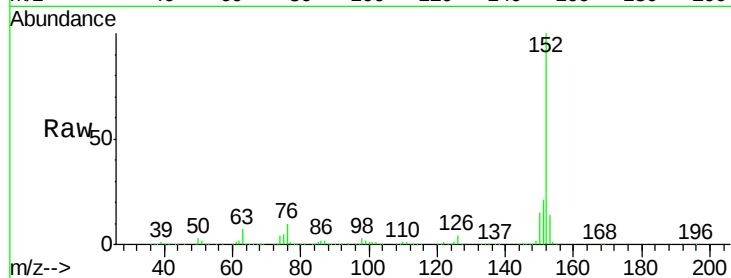
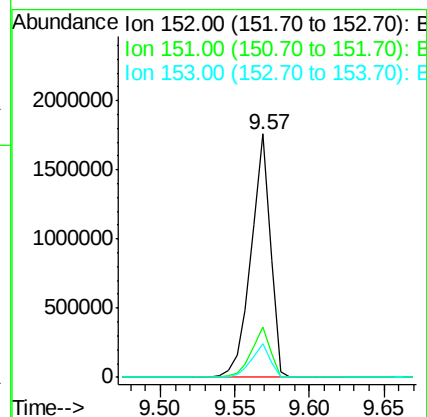
BNA_F

ClientSampleId :

PA-TWP-2MS

Tot Ion:152 Resp: 1572564

Ion	Ratio	Lower	Upper
152	100		
151	20.8	17.2	25.8
153	13.6	11.2	16.8



#50

Dimethylphthalate

Concen: 53.007 ng

RT: 9.45 min Scan# 1251

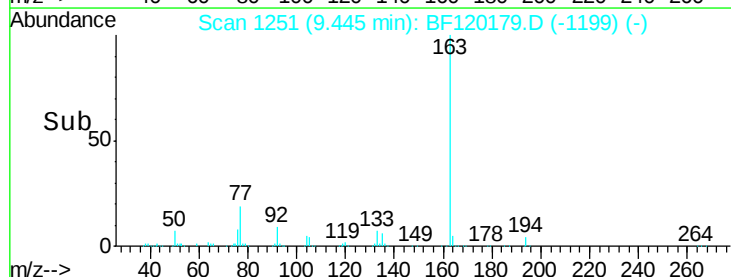
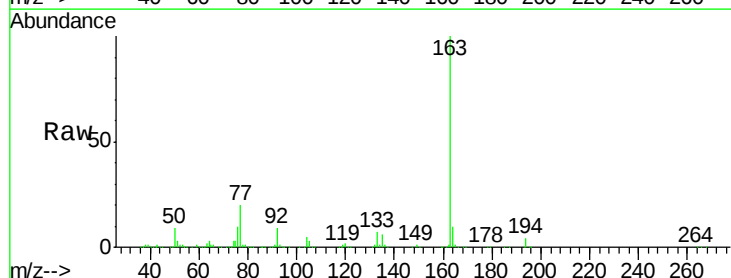
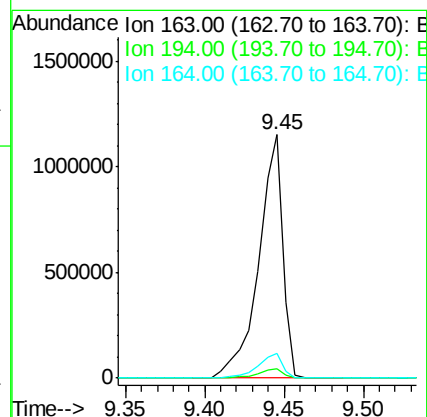
Delta R.T. 0.01 min

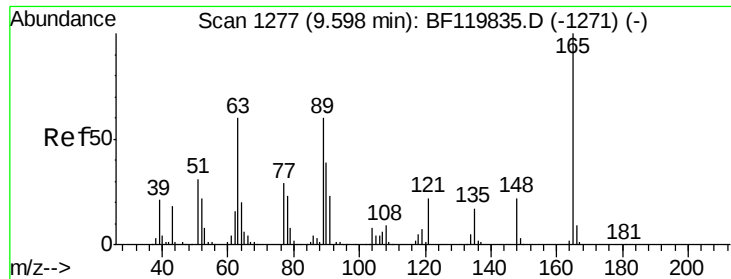
Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Tgt Ion:163 Resp: 1223862

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.3	8.2	12.2





#51

2,6-Dinitrotoluene

Concen: 54.462 ng

RT: 9.50 min Scan# 1261

Delta R.T. 0.01 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MS

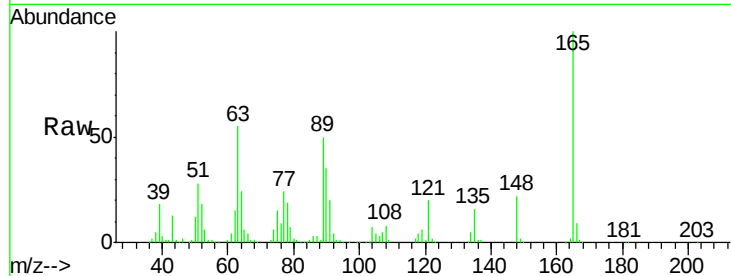
Tot Ion:165 Resp: 275362

Ion Ratio Lower Upper

165 100

63 54.9 45.0 67.4

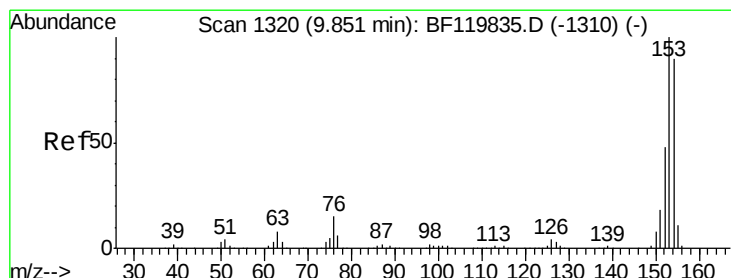
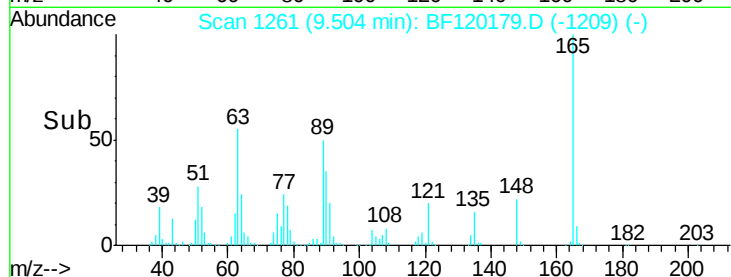
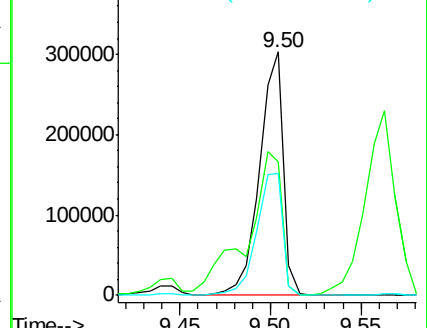
89 50.1 41.5 62.3



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 48.829 ng

RT: 9.74 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

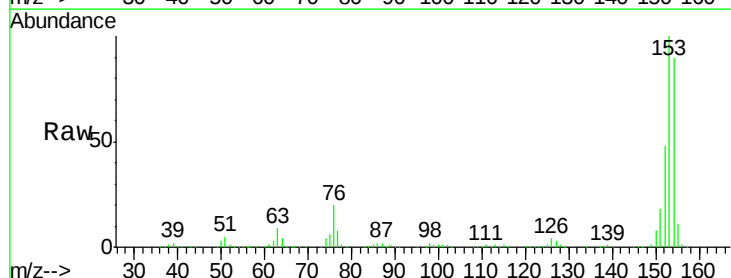
Tgt Ion:154 Resp: 961456

Ion Ratio Lower Upper

154 100

153 111.0 88.1 132.1

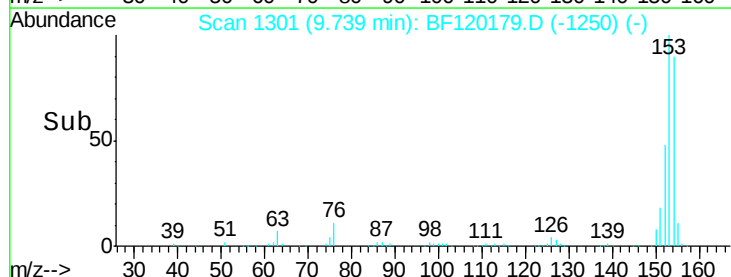
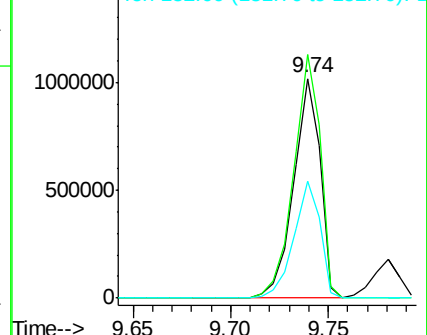
152 53.6 43.0 64.4

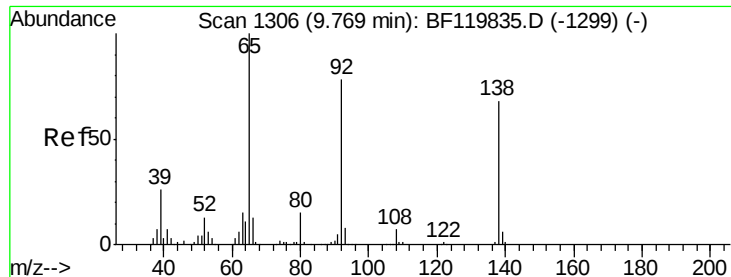


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

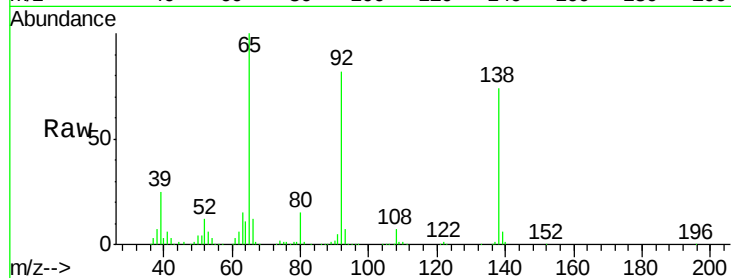




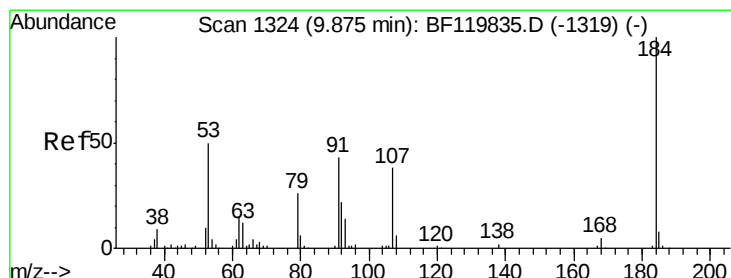
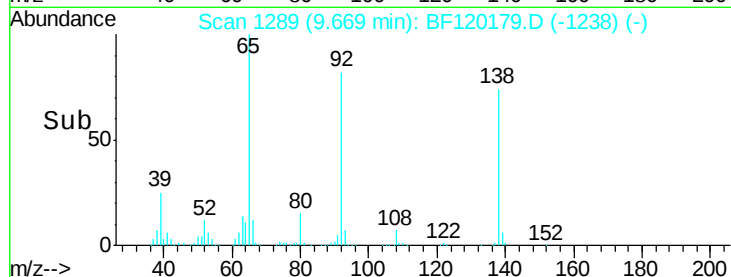
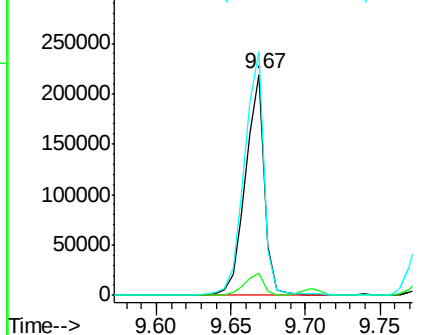
#53
 3-Nitroaniline
 Concen: 33.379 ng
 RT: 9.67 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: BF120179.D
 Acq: 23 Apr 2020 22:21

Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MS

Tot Ion:138 Resp: 192748
 Ion Ratio Lower Upper
 138 100
 108 9.8 8.6 13.0
 92 110.2 95.4 143.0

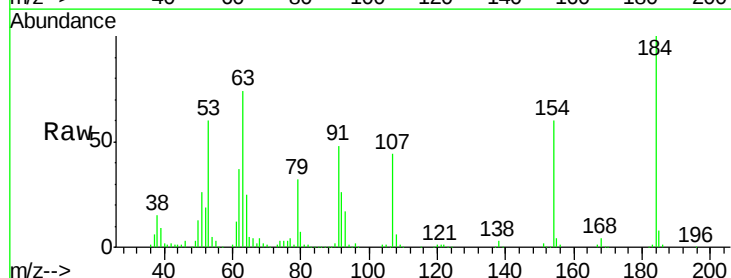


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF1

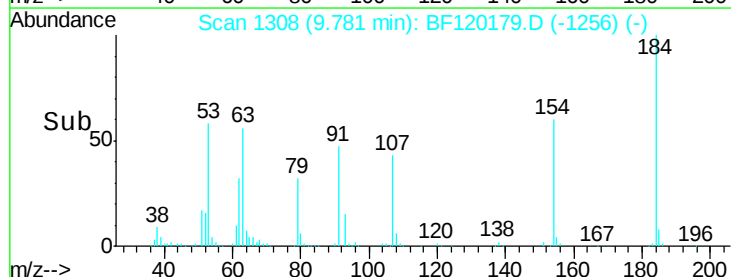
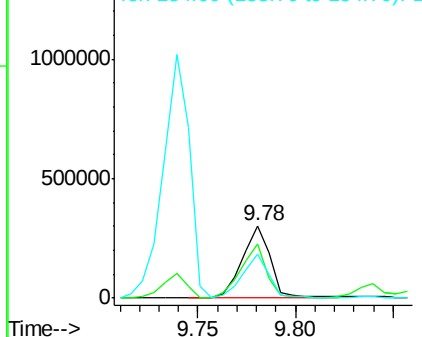


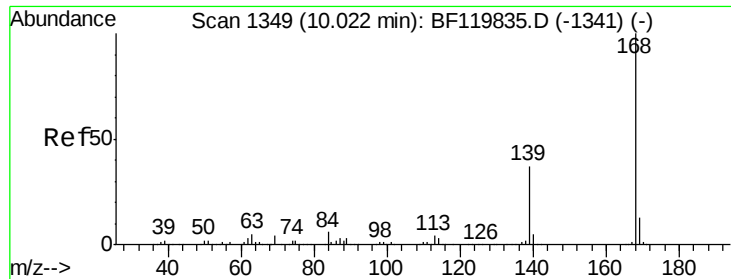
#54
 2,4-Dinitrophenol
 Concen: 99.455 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. 0.01 min
 Lab File: BF120179.D
 Acq: 23 Apr 2020 22:21

Tgt Ion:184 Resp: 301058
 Ion Ratio Lower Upper
 184 100
 63 74.1 50.2 75.4
 154 60.3 44.5 66.7



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

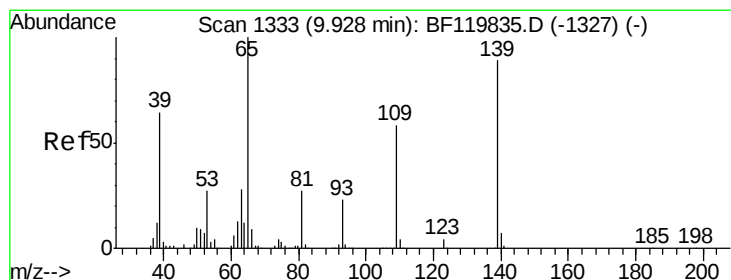
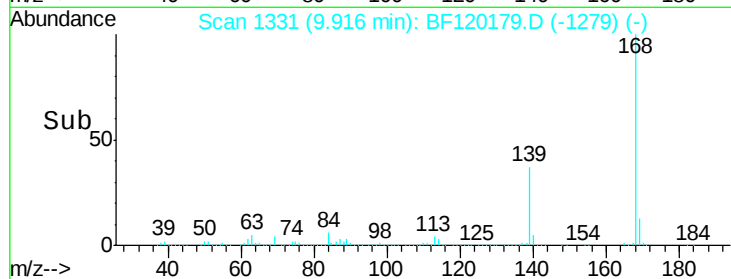
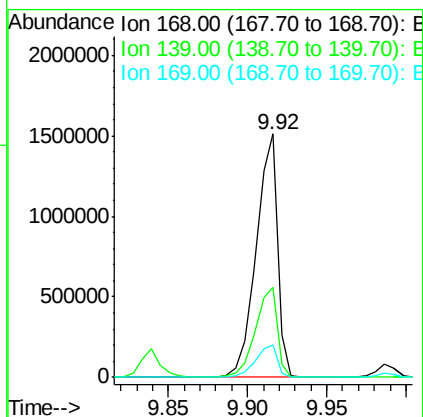
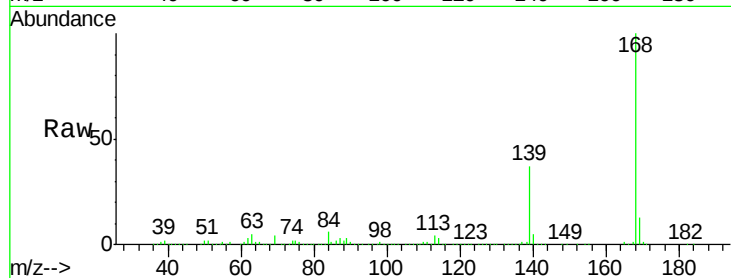




#55
Dibenzofuran
Concen: 52.675 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

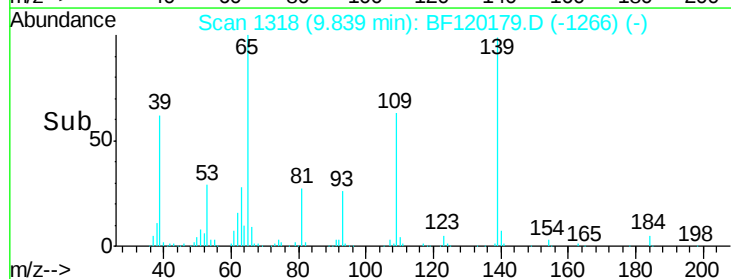
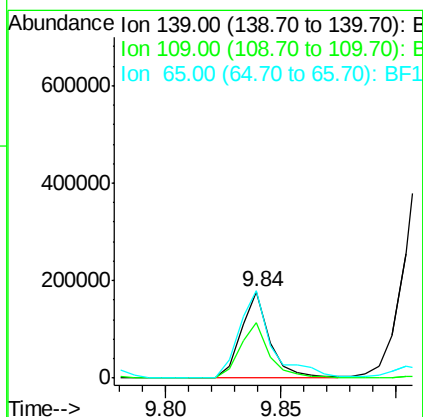
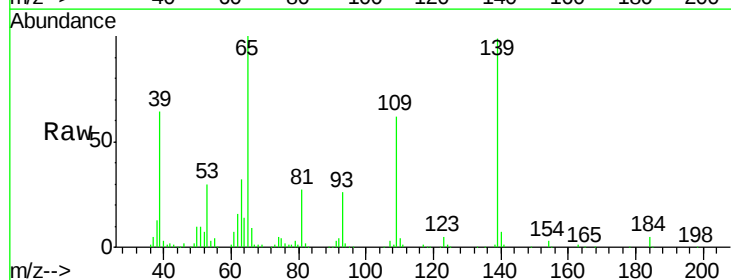
Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MS

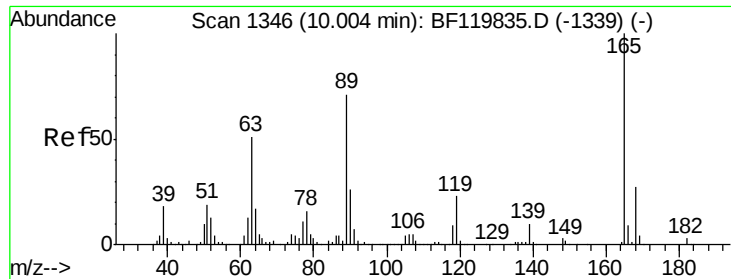
Tot Ion:168 Resp: 1423286
Ion Ratio Lower Upper
168 100
139 36.7 30.1 45.1
169 13.4 11.0 16.6



#56
4-Nitrophenol
Concen: 35.855 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.01 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

Tgt Ion:139 Resp: 154052
Ion Ratio Lower Upper
139 100
109 63.2 43.3 83.3
65 101.1 91.0 131.0

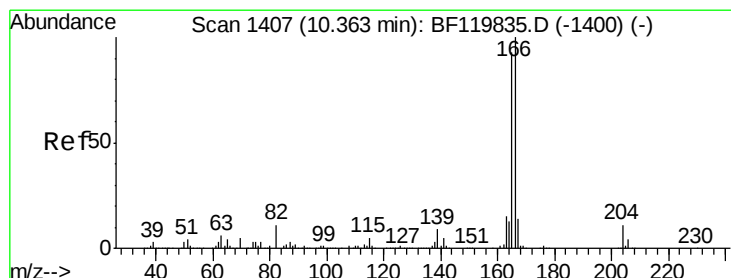
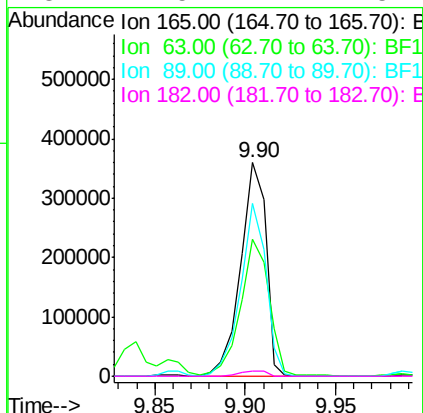
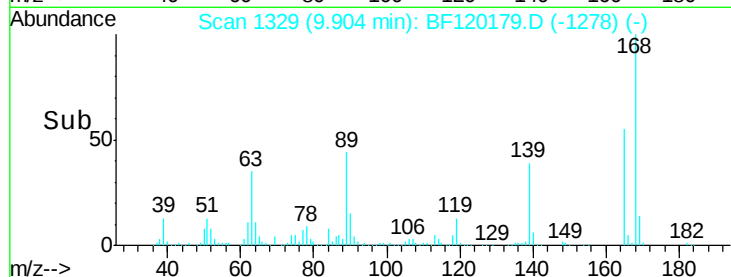
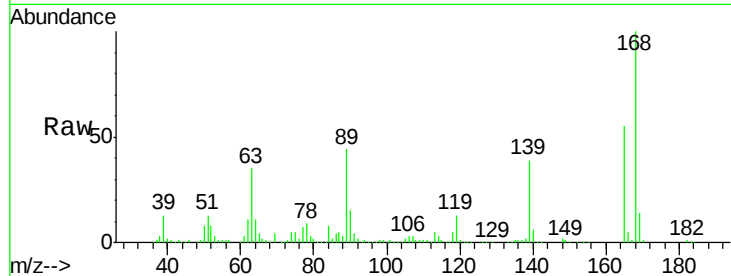




#57
2,4-Dinitrotoluene
Concen: 52.695 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.00 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

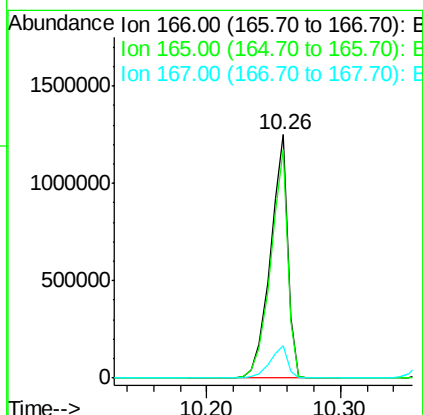
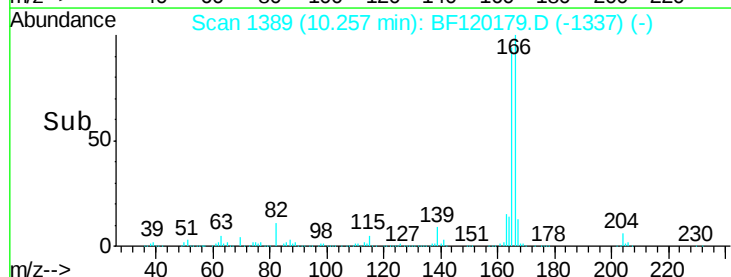
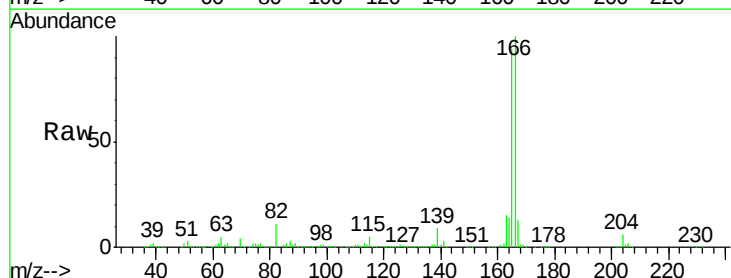
Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MS

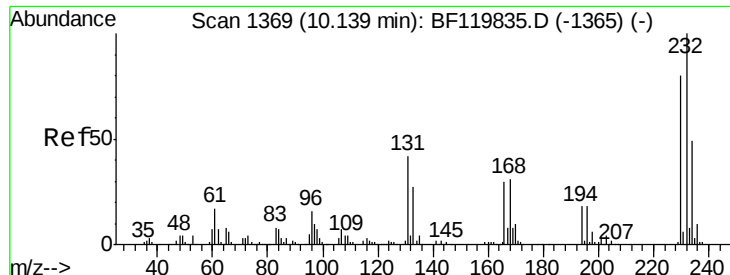
Tot Ion:165 Resp: 351021
Ion Ratio Lower Upper
165 100
63 64.3 42.6 64.0#
89 80.7 61.0 91.4
182 2.5 2.2 3.2



#58
Fluorene
Concen: 52.515 ng
RT: 10.26 min Scan# 1389
Delta R.T. 0.01 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

Tgt Ion:166 Resp: 1134801
Ion Ratio Lower Upper
166 100
165 93.7 75.4 113.2
167 13.4 11.2 16.8





#59

2,3,4,6-Tetrachlorophenol

Concen: 52.319 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MS

Tot Ion:232 Resp: 293416

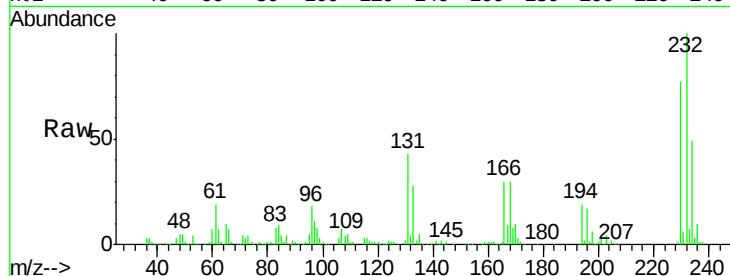
Ion Ratio Lower Upper

232 100

131 46.3 37.5 56.3

130 2.2 1.8 2.6

166 31.1 24.6 36.8

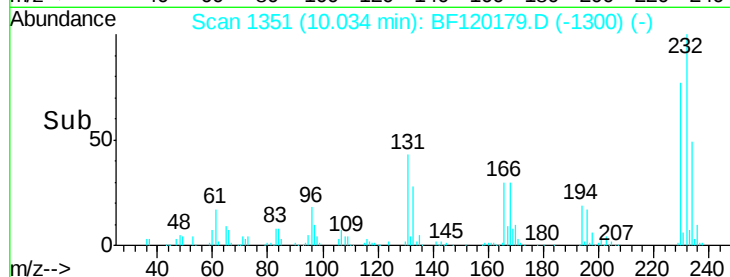


Abundance Ion 232.00 (231.70 to 232.70): E

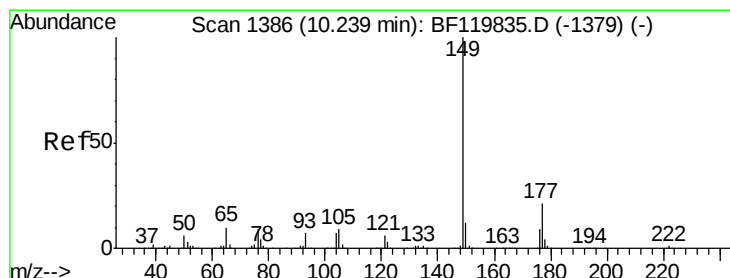
Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



Time-->



#60

Diethylphthalate

Concen: 51.979 ng

RT: 10.14 min Scan# 1369

Delta R.T. 0.01 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

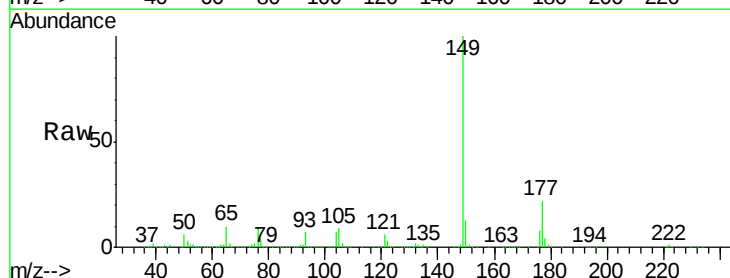
Tgt Ion:149 Resp: 1243867

Ion Ratio Lower Upper

149 100

177 21.5 17.0 25.6

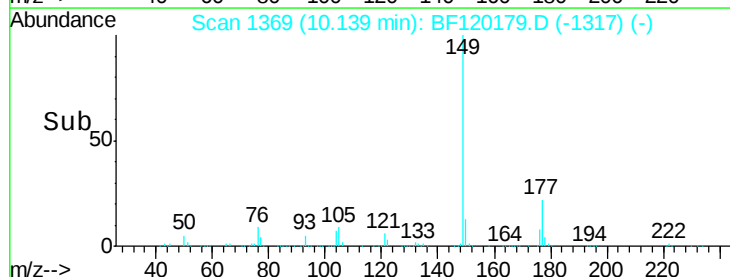
150 12.6 10.1 15.1



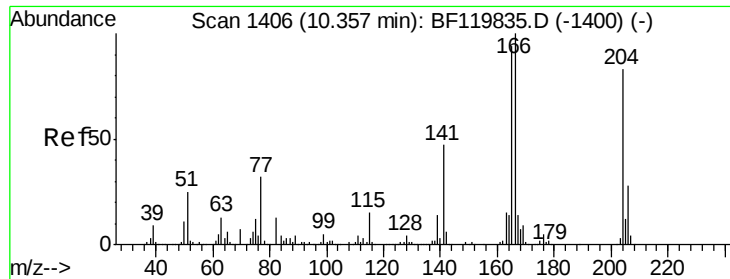
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



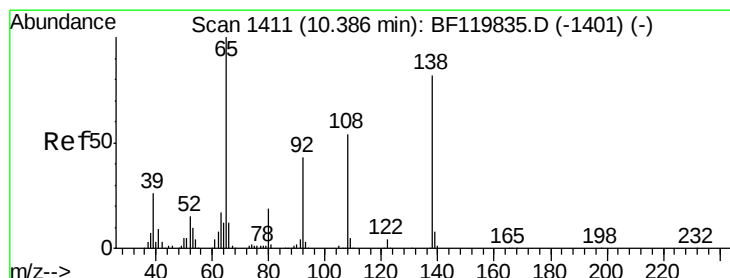
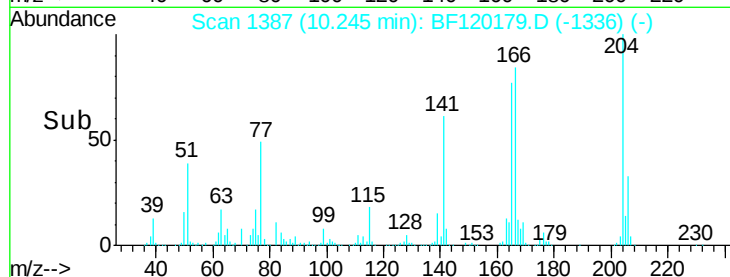
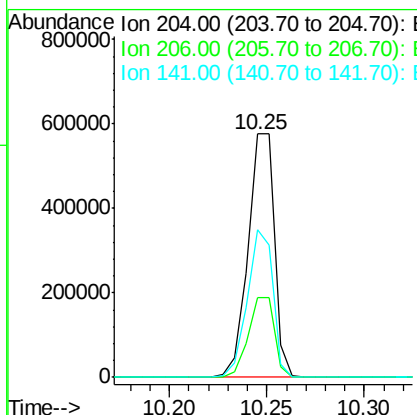
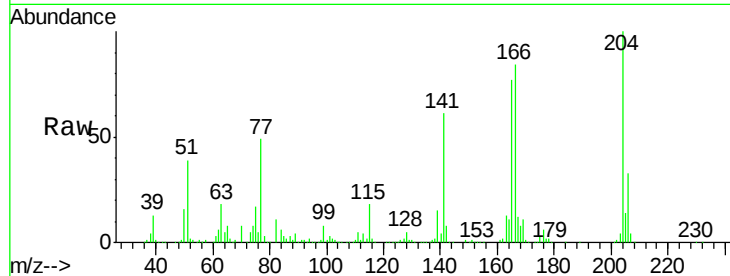
Time-->



#61
 4-Chlorophenyl-phenylether
 Concen: 48.923 ng
 RT: 10.25 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: BF120179.D
 Acq: 23 Apr 2020 22:21

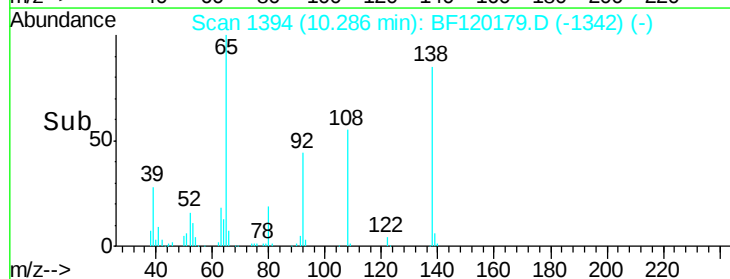
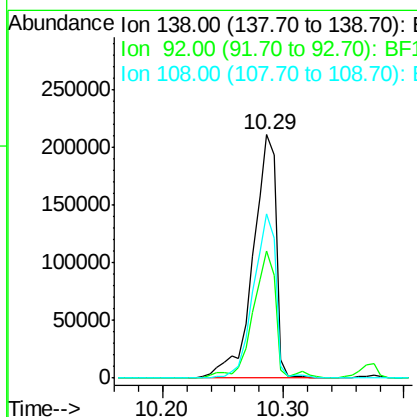
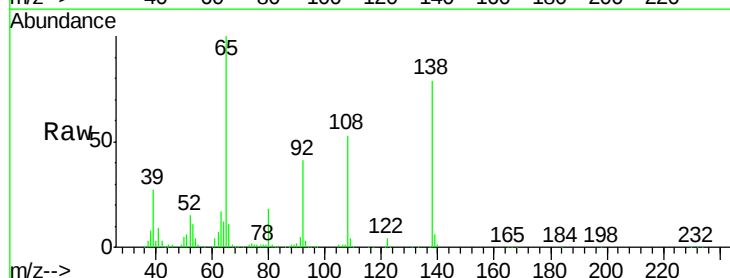
Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MS

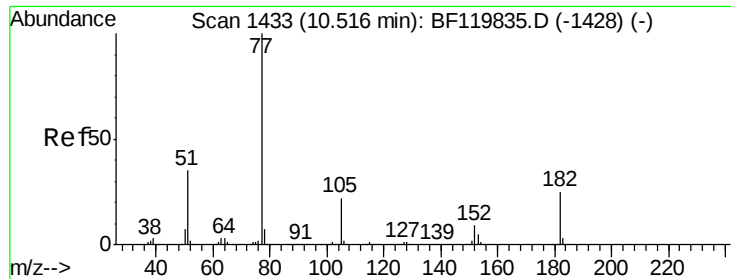
Tot Ion:	204	Resp:	541848
Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.7	40.1
141	60.7	47.3	70.9



#62
 4-Nitroaniline
 Concen: 51.431 ng
 RT: 10.29 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: BF120179.D
 Acq: 23 Apr 2020 22:21

Tgt Ion:	138	Resp:	283031
Ion	Ratio	Lower	Upper
138	100		
92	52.0	31.5	71.5
108	67.3	45.8	85.8





#63

Azobenzene

Concen: 55.125 ng

RT: 10.41 min Scan# 1415

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MS

Tot Ion: 77 Resp: 1182206

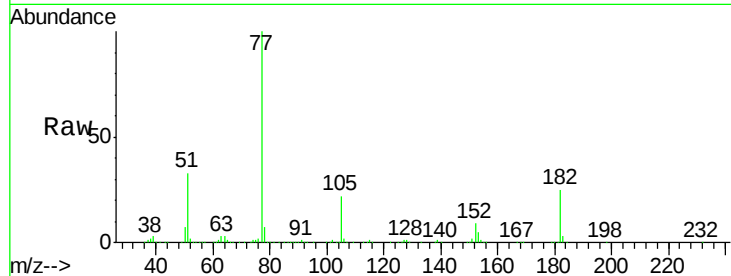
Ion Ratio Lower Upper

77 100

182 24.7 4.4 44.4

105 22.1 2.6 42.6

51 33.4 15.1 55.1

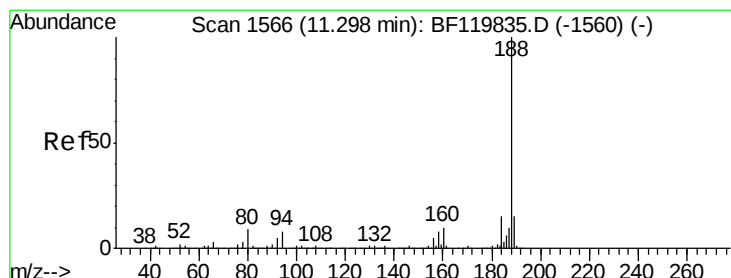
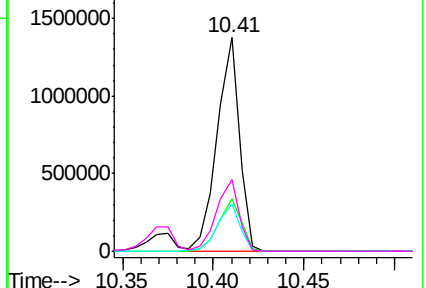
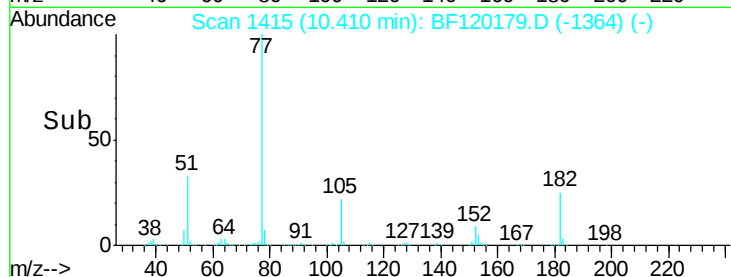


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1547

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

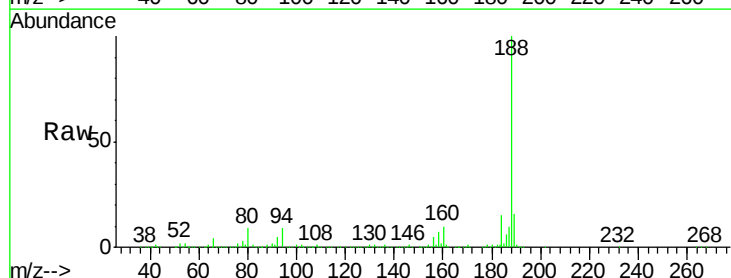
Tgt Ion: 188 Resp: 559927

Ion Ratio Lower Upper

188 100

94 9.3 7.5 11.3

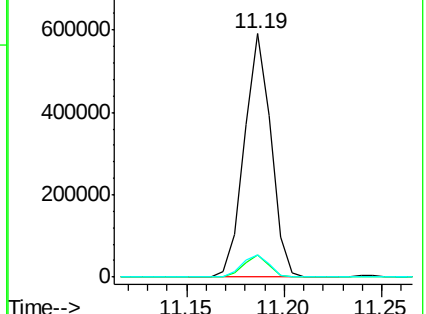
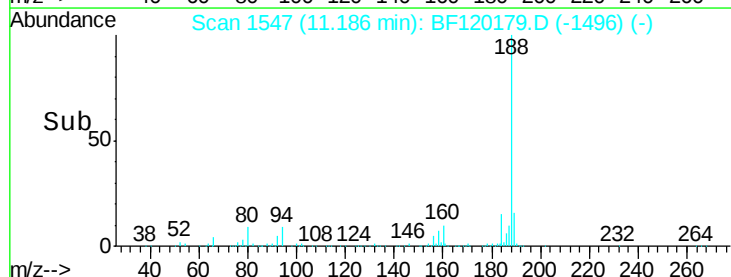
80 9.2 9.0 13.4

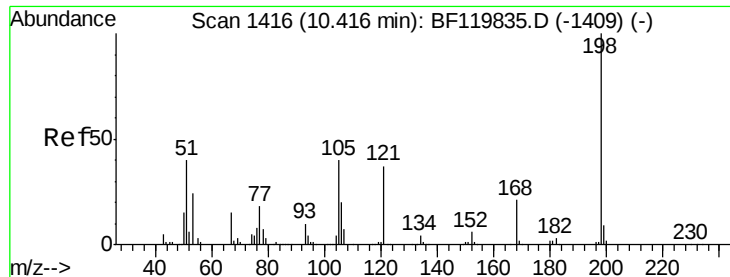


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

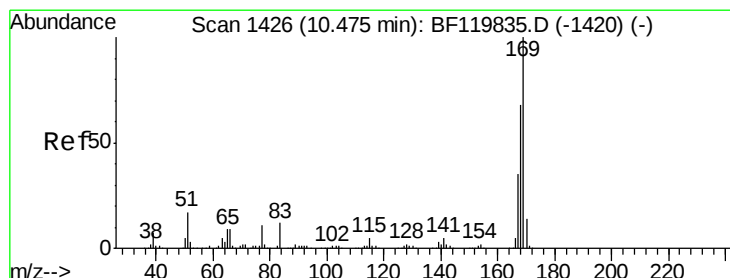
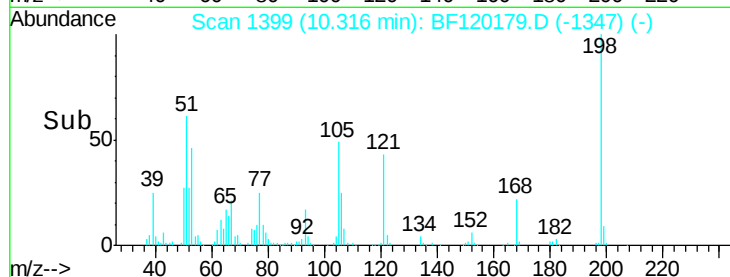
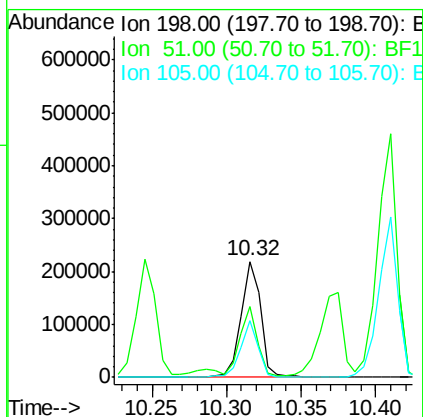
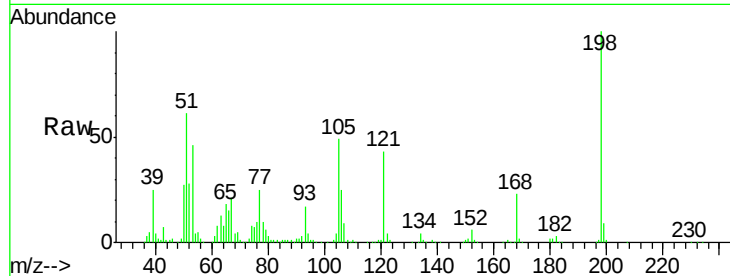




#65
4,6-Dinitro-2-methylphenol
Concen: 54.683 ng
RT: 10.32 min Scan# 1399
Delta R.T. 0.01 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

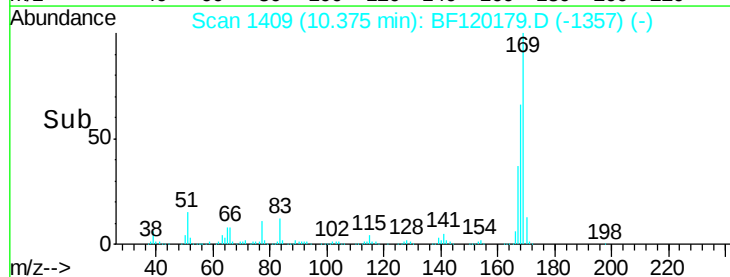
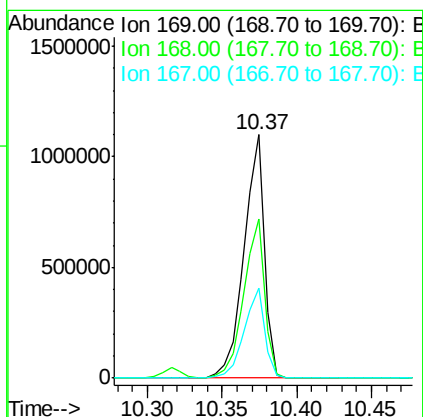
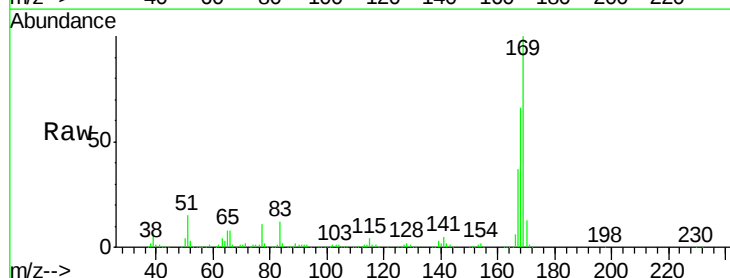
Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MS

Tot Ion:198 Resp: 201718
Ion Ratio Lower Upper
198 100
51 61.1 29.0 69.0
105 49.2 22.2 62.2



#66
n-Nitrosodiphenylamine
Concen: 55.960 ng
RT: 10.37 min Scan# 1409
Delta R.T. 0.01 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

Tgt Ion:169 Resp: 1042057
Ion Ratio Lower Upper
169 100
168 65.6 53.2 79.8
167 36.8 29.1 43.7

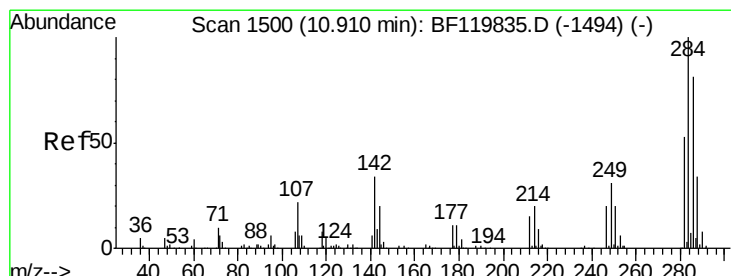
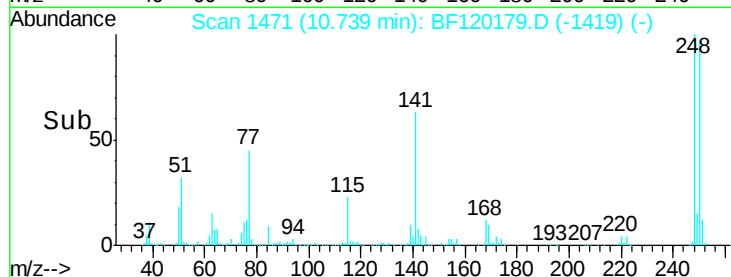
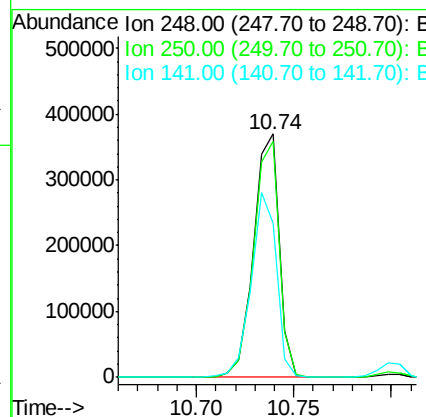
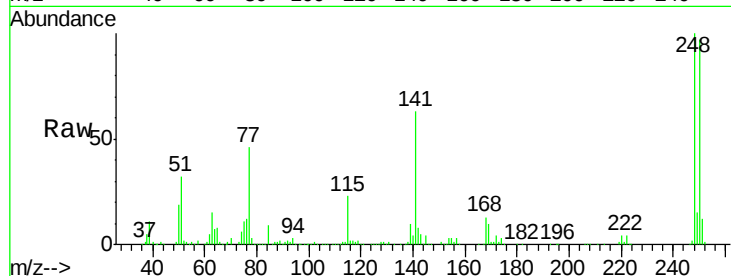




#67
 4-Bromophenyl-phenylether
 Concen: 48.259 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. 0.01 min
 Lab File: BF120179.D
 Acq: 23 Apr 2020 22:21

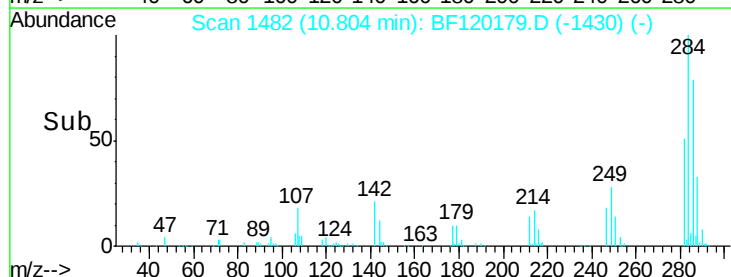
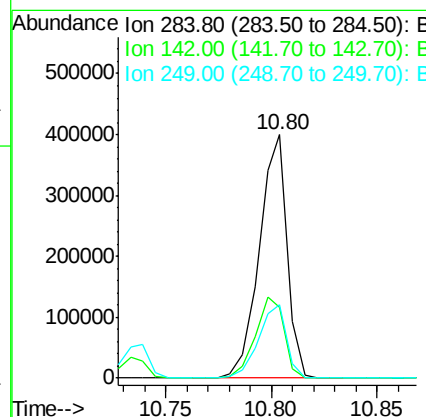
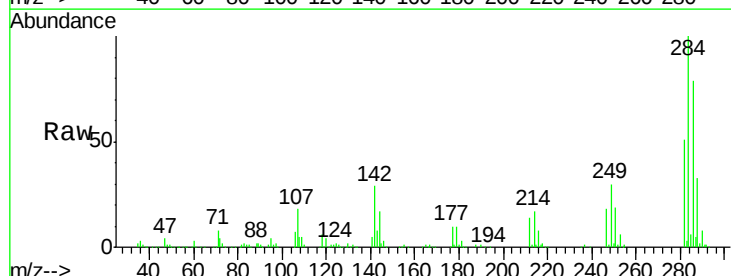
Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MS

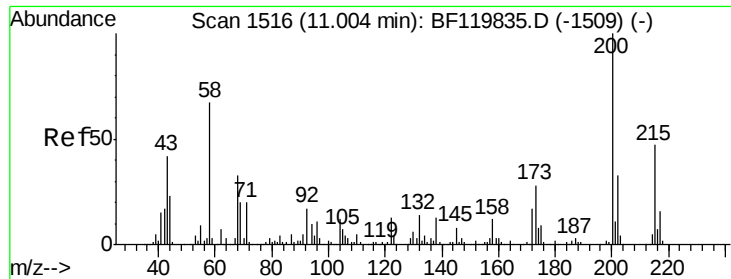
Tot Ion:248 Resp: 336041
 Ion Ratio Lower Upper
 248 100
 250 96.9 77.3 115.9
 141 63.4 58.6 87.8



#68
 Hexachlorobenzene
 Concen: 51.767 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BF120179.D
 Acq: 23 Apr 2020 22:21

Tgt Ion:284 Resp: 365681
 Ion Ratio Lower Upper
 284 100
 142 29.0 29.2 43.8#
 249 30.0 25.1 37.7





#69

Atrazine

Concen: 57.910 ng

RT: 10.90 min Scan# 1499

Delta R.T. 0.01 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MS

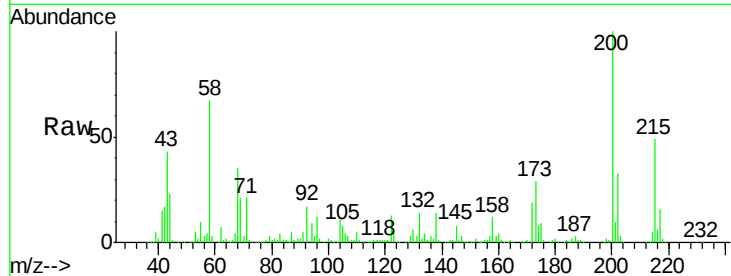
Tot Ion:200 Resp: 300035

Ion Ratio Lower Upper

200 100

173 28.6 9.3 49.3

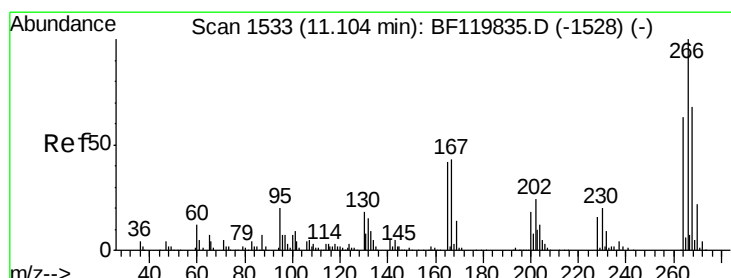
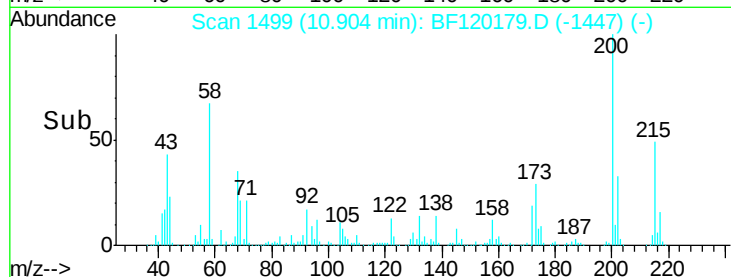
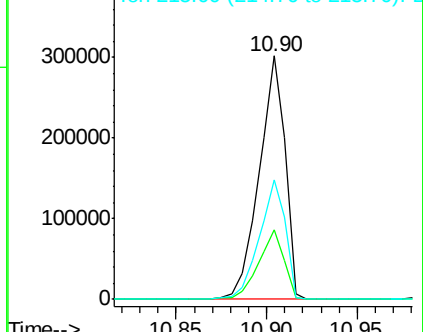
215 49.0 29.5 69.5



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 84.927 ng

RT: 11.00 min Scan# 1515

Delta R.T. 0.01 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

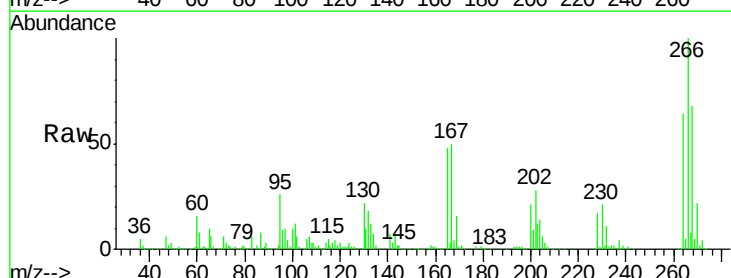
Tgt Ion:266 Resp: 345720

Ion Ratio Lower Upper

266 100

268 67.6 53.3 79.9

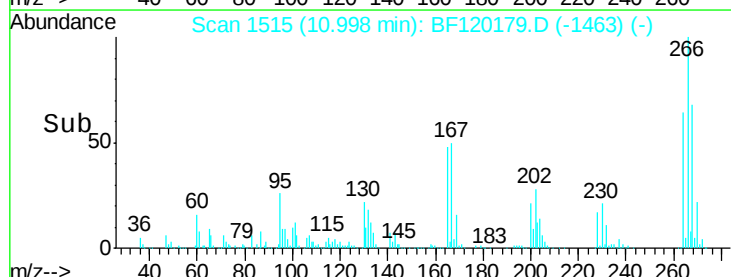
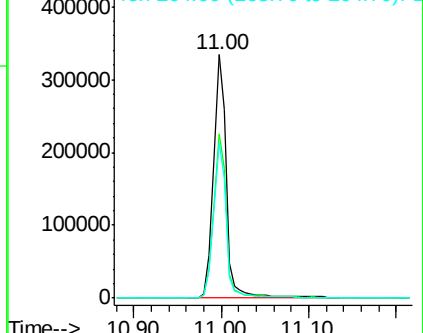
264 63.8 49.0 73.4

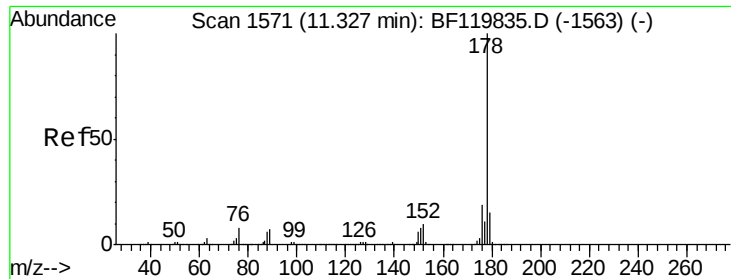


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

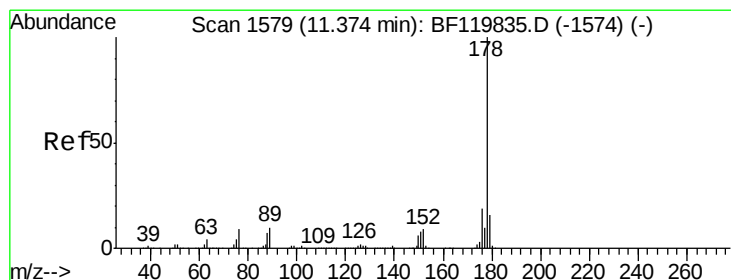
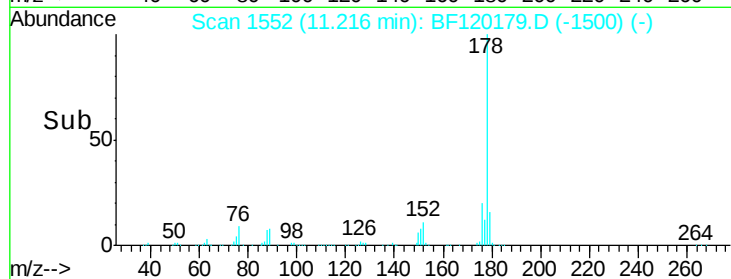
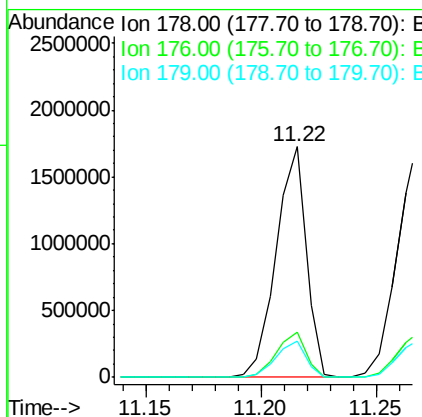
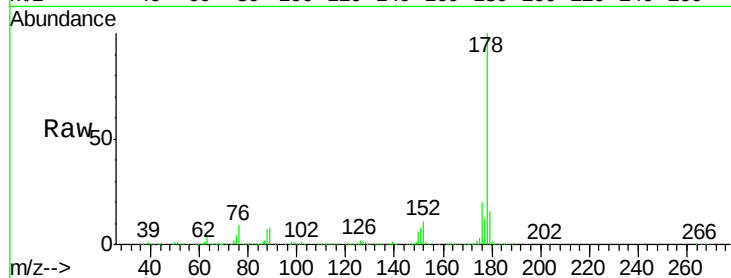




#71
Phenanthrene
Concen: 52.418 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.01 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

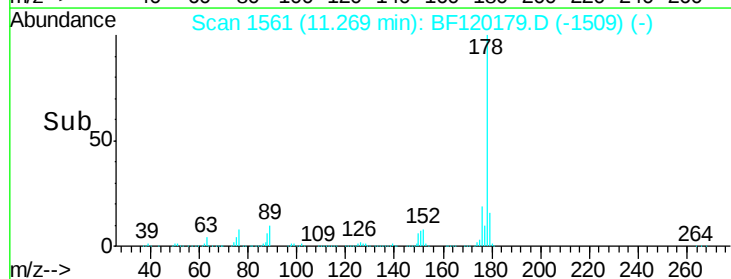
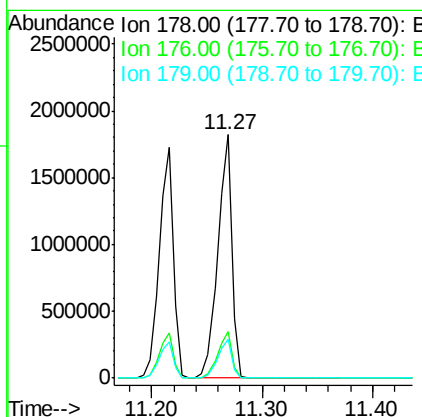
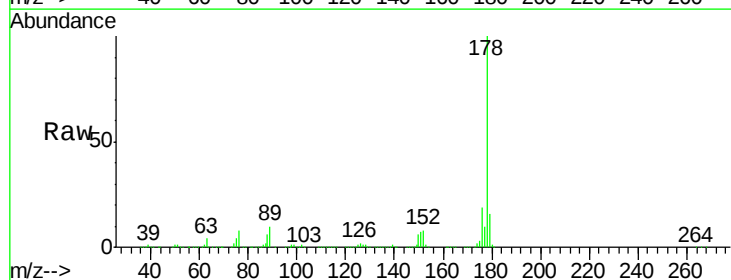
Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MS

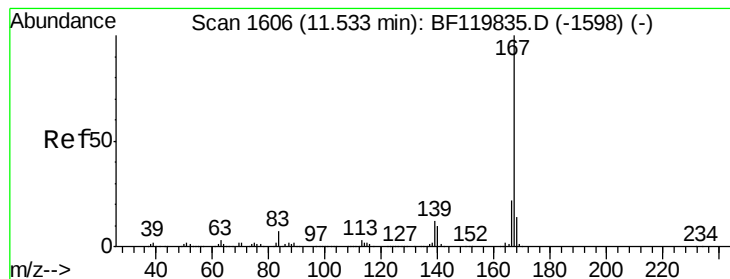
Tot Ion:178 Resp: 1562056
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.4
179 15.8 13.2 19.8



#72
Anthracene
Concen: 52.986 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

Tgt Ion:178 Resp: 1613010
Ion Ratio Lower Upper
178 100
176 19.0 16.1 24.1
179 15.8 13.0 19.4





#73

Carbazole

Concen: 53.925 ng

RT: 11.42 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MS

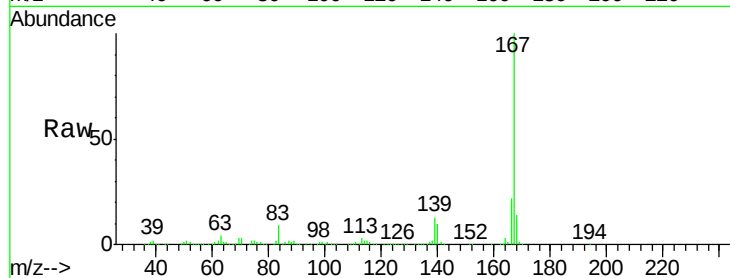
Tot Ion:167 Resp: 1552419

Ion Ratio Lower Upper

167 100

166 21.7 18.2 27.4

139 13.2 10.7 16.1

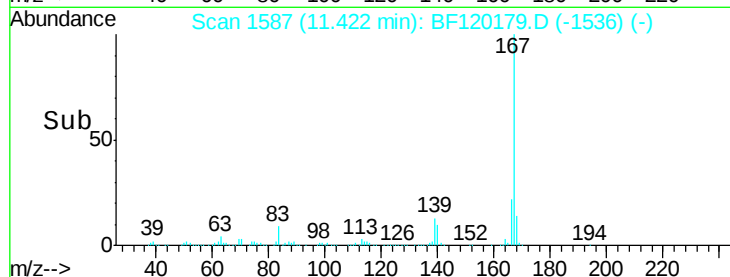


Abundance Ion 167.00 (166.70 to 167.70): E

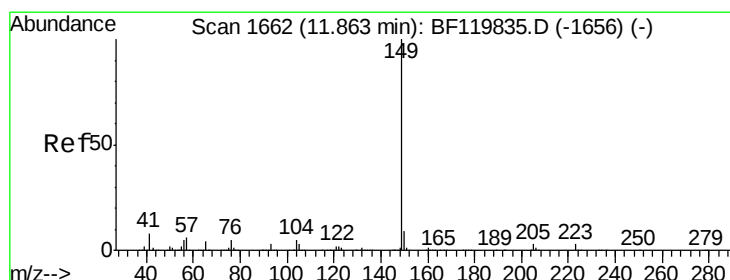
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

Time-->



Time-->



#74

Di-n-butylphthalate

Concen: 49.464 ng

RT: 11.76 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

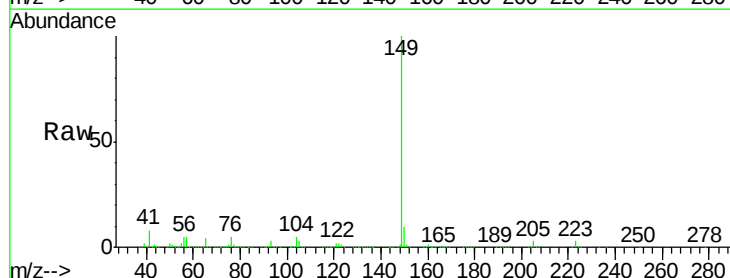
Tgt Ion:149 Resp: 1871960

Ion Ratio Lower Upper

149 100

150 10.0 7.8 11.8

104 4.7 3.6 5.4

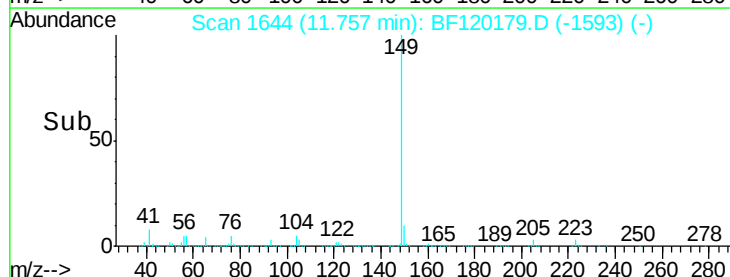


Abundance Ion 149.00 (148.70 to 149.70): E

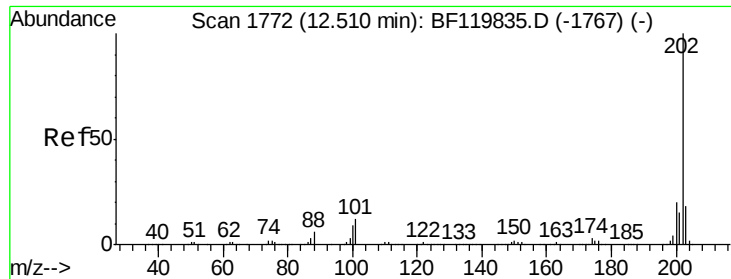
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

Time-->



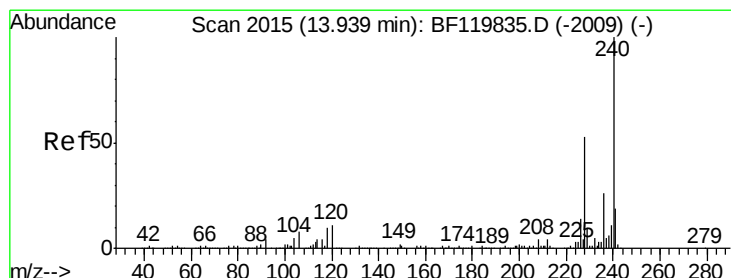
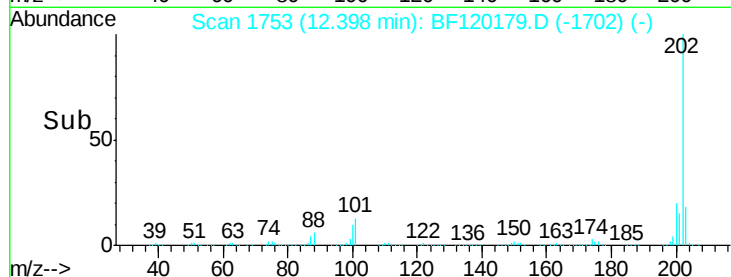
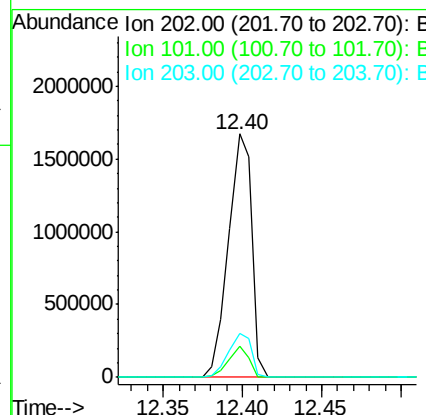
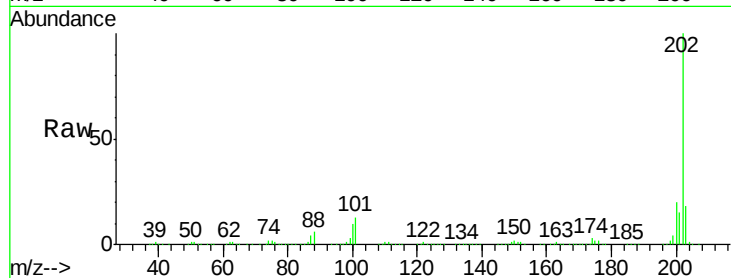
Time-->



#75
 Fluoranthene
 Concen: 53.163 ng
 RT: 12.40 min Scan# 1753
 Delta R.T. 0.00 min
 Lab File: BF120179.D
 Acq: 23 Apr 2020 22:21

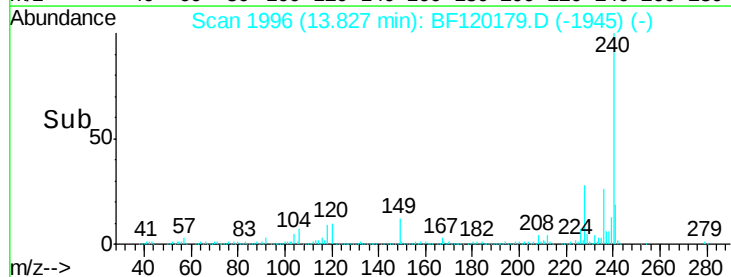
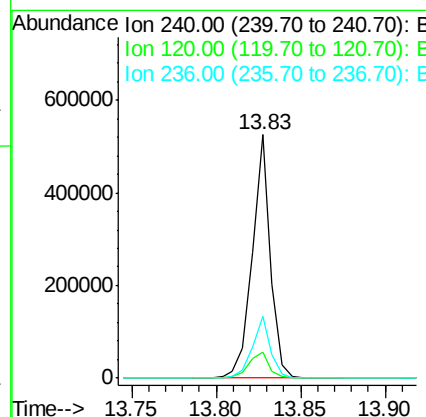
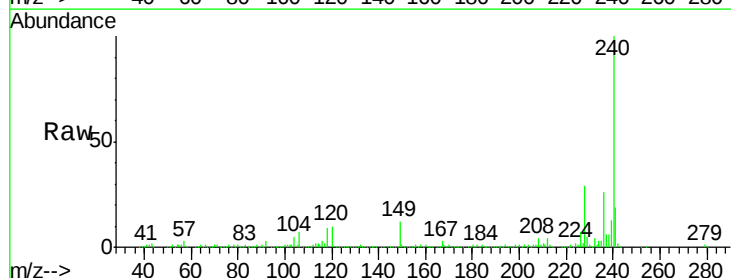
Instrument :
 BNA_F
 ClientSampleId :
 PA-TWP-2MS

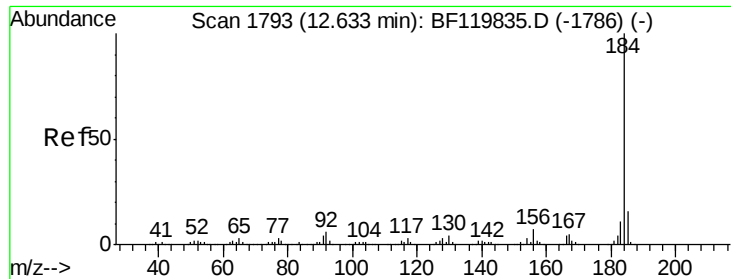
Tot Ion:202 Resp: 1709377
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 32.2
 203 18.2 0.0 38.8



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. 0.00 min
 Lab File: BF120179.D
 Acq: 23 Apr 2020 22:21

Tgt Ion:240 Resp: 393444
 Ion Ratio Lower Upper
 240 100
 120 10.5 10.6 15.8#
 236 25.5 20.2 30.2





#77

Benzidine

Concen: 38.661 ng

RT: 12.52 min Scan# 1774

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MS

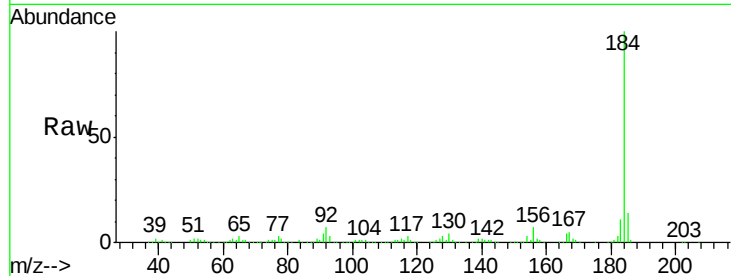
Tot Ion:184 Resp: 514170

Ion Ratio Lower Upper

184 100

185 14.1 12.3 18.5

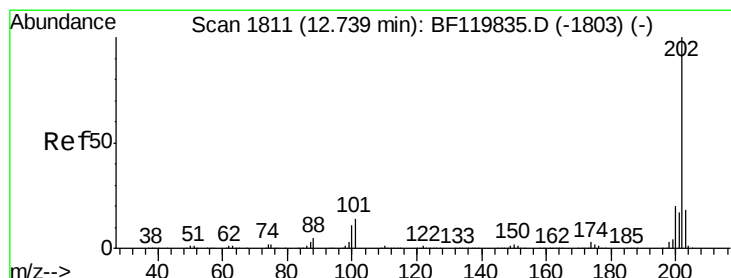
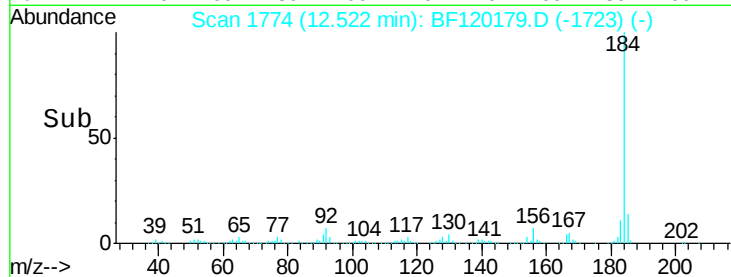
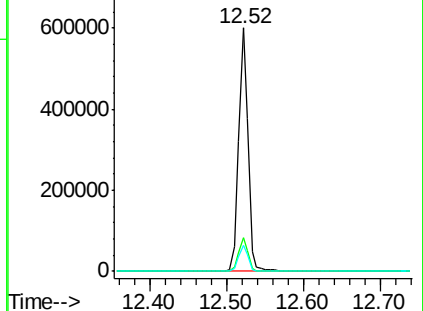
183 10.7 9.0 13.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 52.043 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

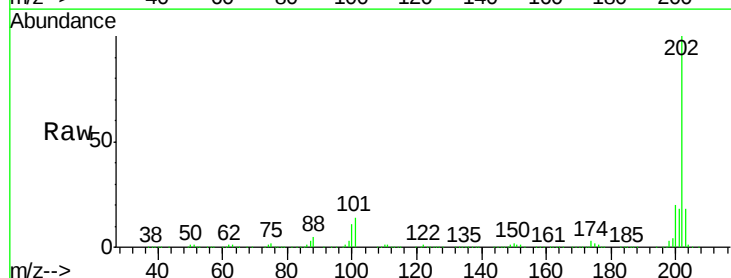
Tgt Ion:202 Resp: 1726177

Ion Ratio Lower Upper

202 100

200 20.4 16.8 25.2

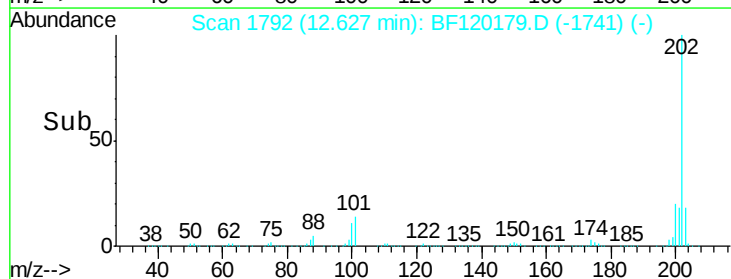
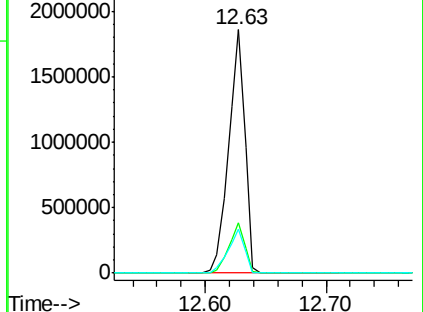
203 18.0 15.1 22.7

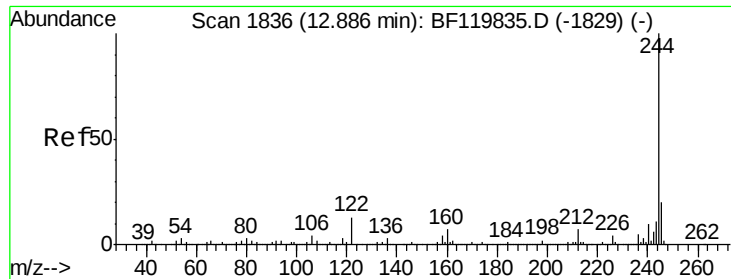


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 101.930 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.01 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MS

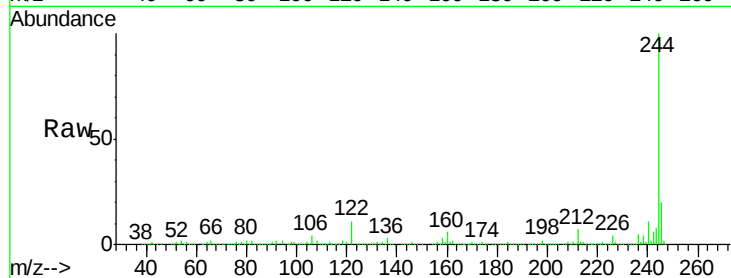
Tot Ion:244 Resp: 2383361

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

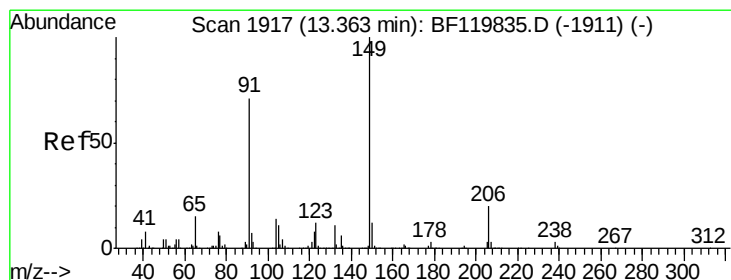
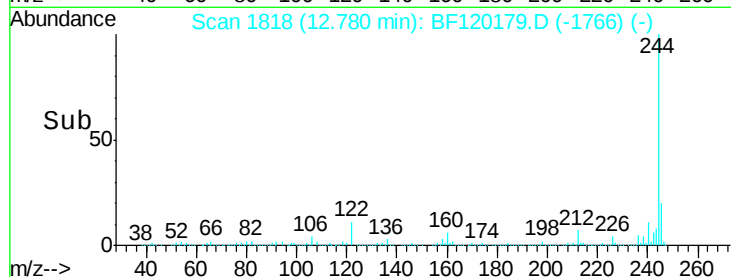
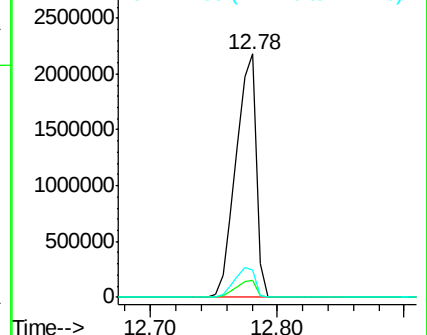
122 11.4 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 50.744 ng

RT: 13.25 min Scan# 1898

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

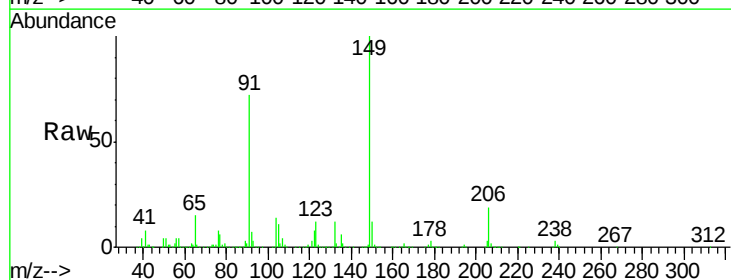
Tgt Ion:149 Resp: 816693

Ion Ratio Lower Upper

149 100

91 71.6 54.7 82.1

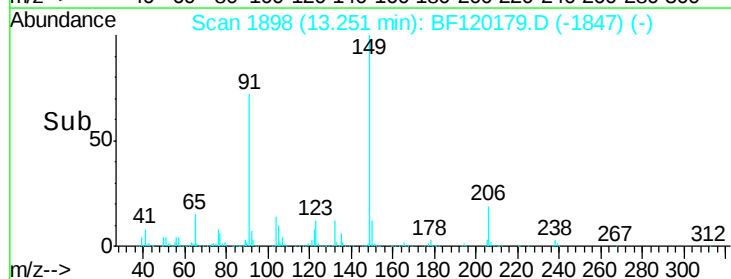
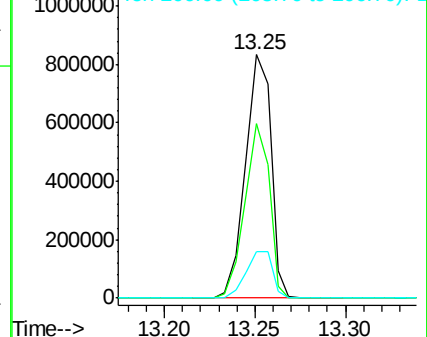
206 19.1 16.2 24.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 52.060 ng

RT: 13.82 min Scan# 1994

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MS

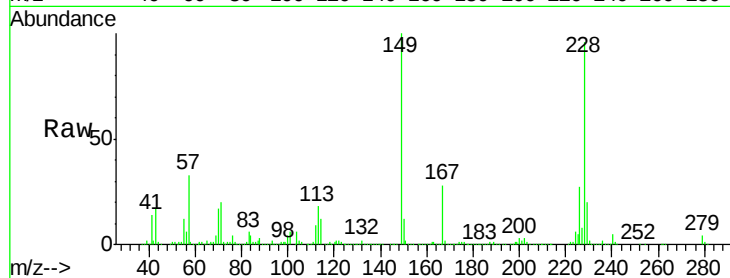
Tot Ion:228 Resp: 1347475

Ion Ratio Lower Upper

228 100

226 27.9 21.8 32.8

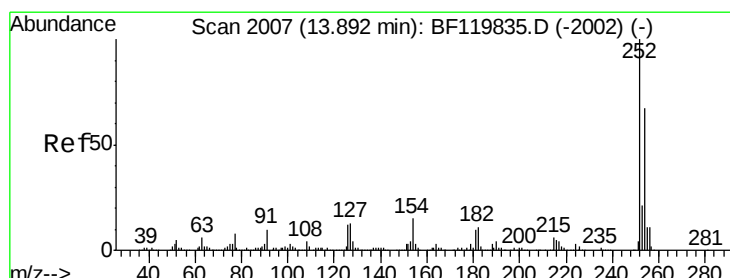
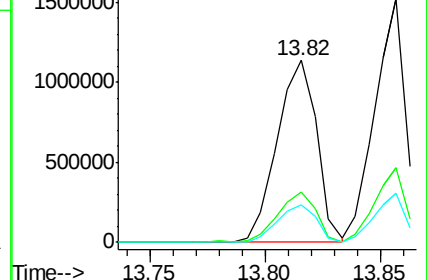
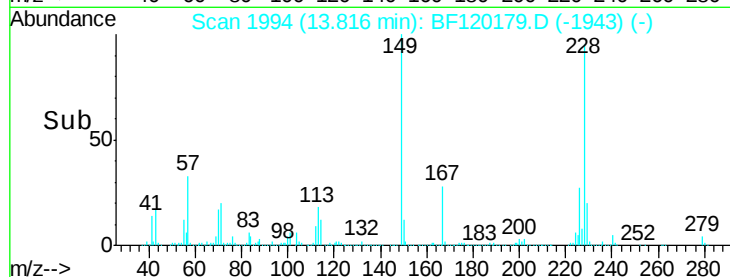
229 20.6 16.2 24.4



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: 38.440 ng

RT: 13.78 min Scan# 1988

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

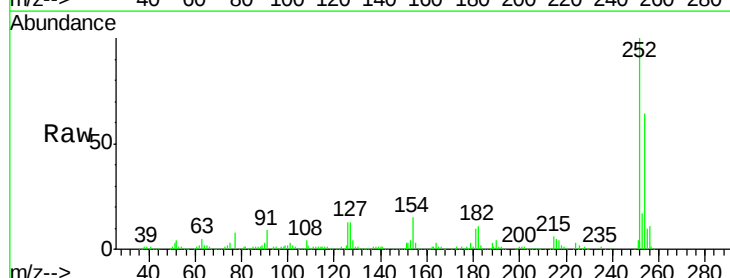
Tgt Ion:252 Resp: 371236

Ion Ratio Lower Upper

252 100

254 64.3 51.2 76.8

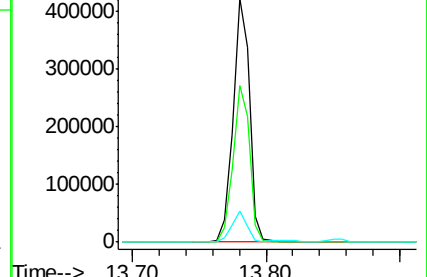
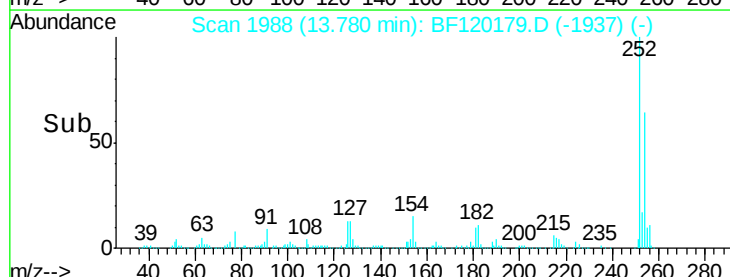
126 12.8 9.6 14.4

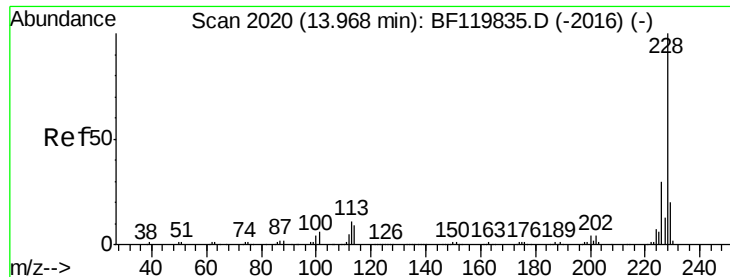


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 53.069 ng

RT: 13.86 min Scan# 2001

Delta R.T. 0.01 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MS

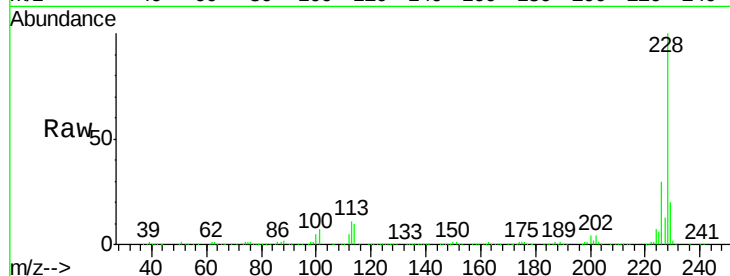
Tot Ion:228 Resp: 1395698

Ion Ratio Lower Upper

228 100

226 30.5 25.4 38.0

229 20.2 16.6 24.8



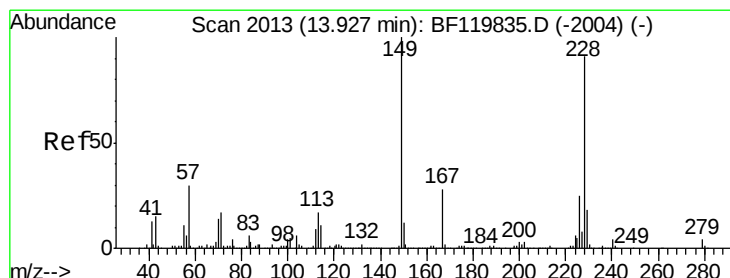
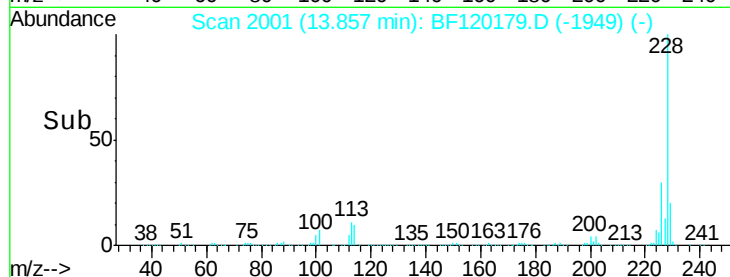
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

13.86

Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.844 ng

RT: 13.82 min Scan# 1994

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

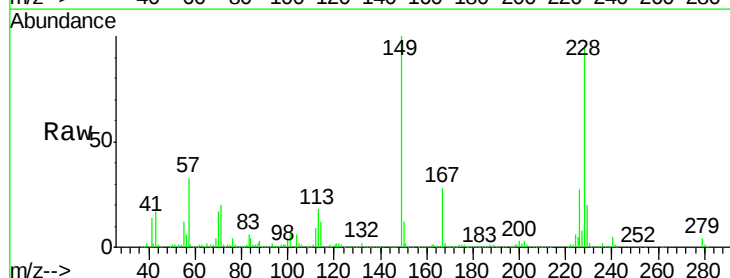
Tgt Ion:149 Resp: 1108143

Ion Ratio Lower Upper

149 100

167 27.7 21.3 31.9

279 3.7 2.7 4.1



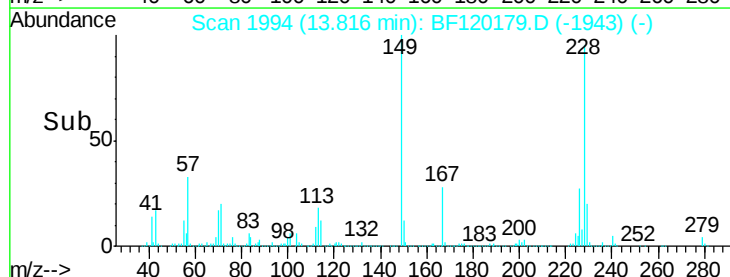
Abundance Ion 149.00 (148.70 to 149.70): E

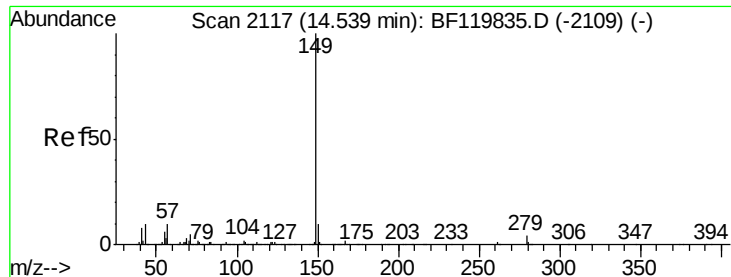
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

13.82

Time-->





#85

Di-n-octyl phthalate

Concen: 50.038 ng

RT: 14.43 min Scan# 2098

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

Instrument :

BNA_F

ClientSampleId :

PA-TWP-2MS

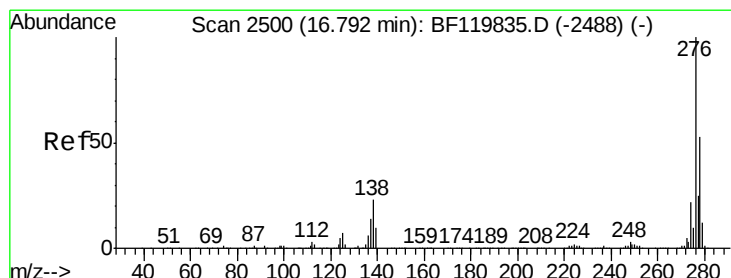
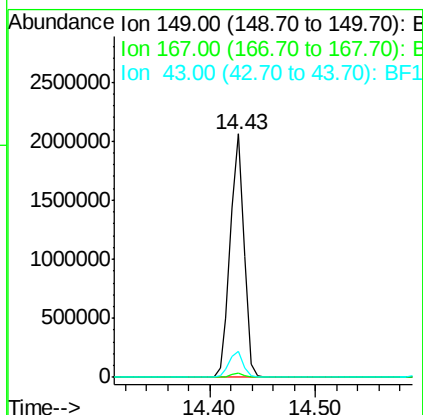
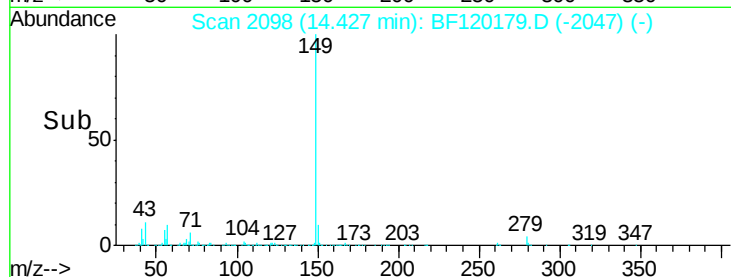
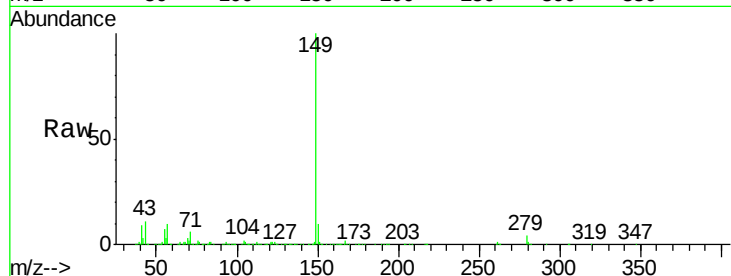
Tot Ion:149 Resp: 1856898

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 11.0 9.3 13.9



#86

Indeno(1,2,3-cd)pyrene

Concen: 53.535 ng

RT: 16.58 min Scan# 2464

Delta R.T. 0.00 min

Lab File: BF120179.D

Acq: 23 Apr 2020 22:21

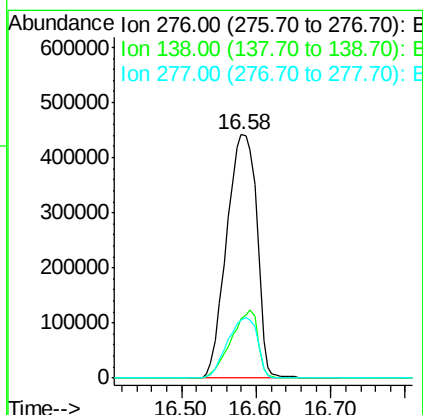
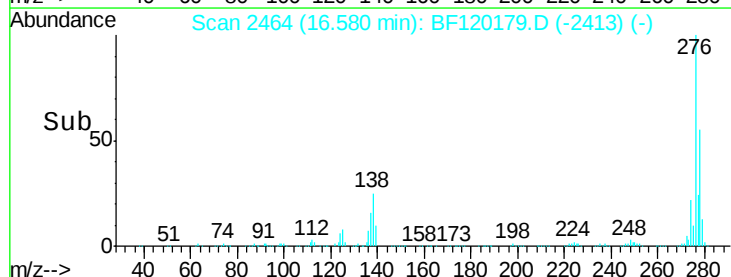
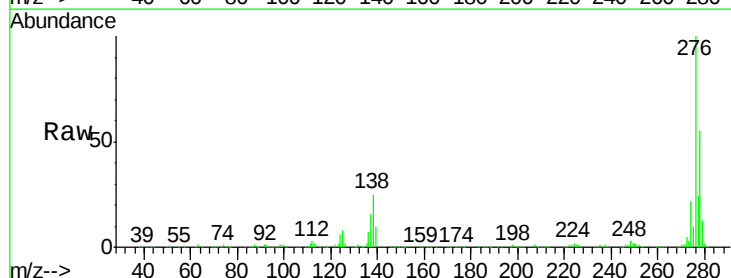
Tgt Ion:276 Resp: 1241088

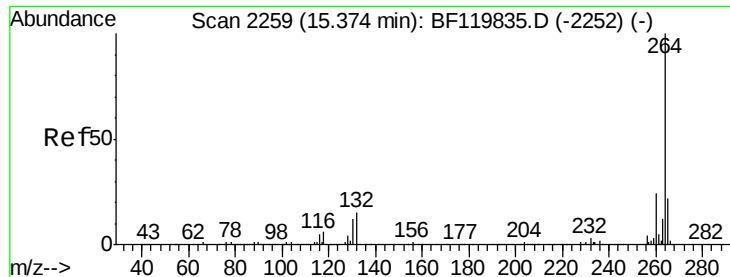
Ion Ratio Lower Upper

276 100

138 24.8 19.6 29.4

277 24.8 20.0 30.0

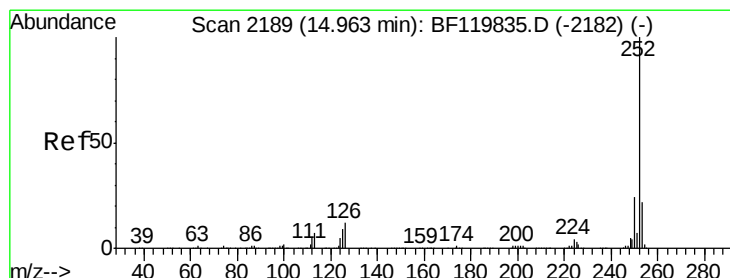
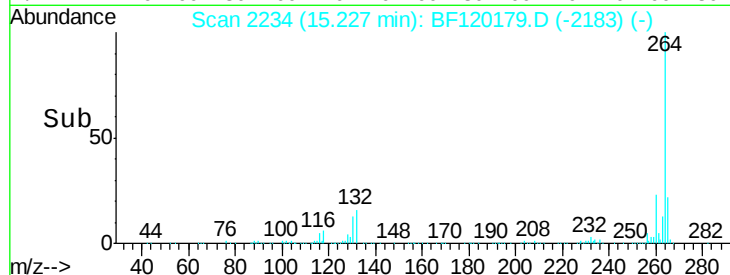
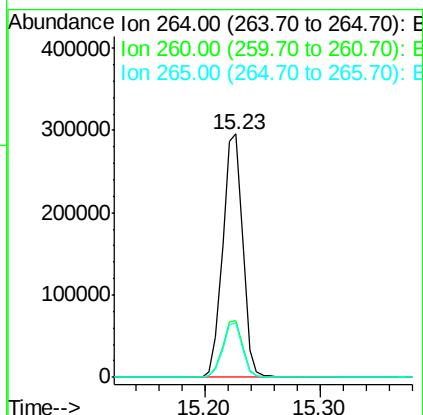
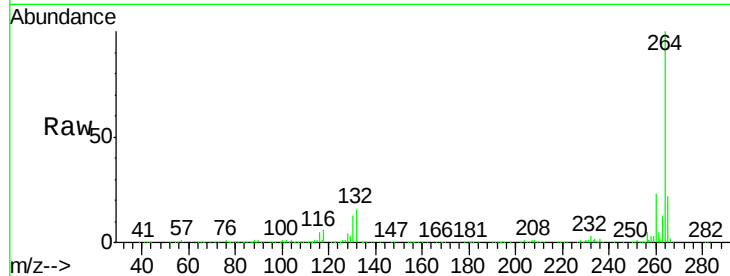




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

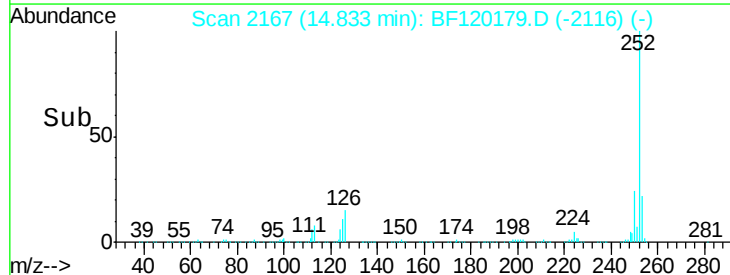
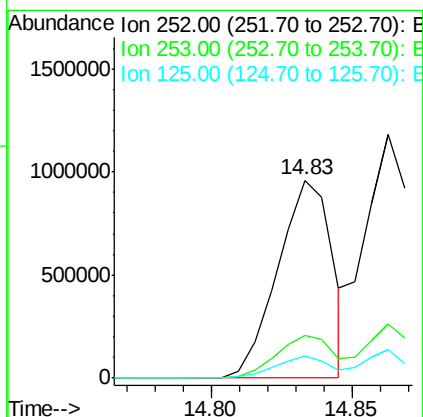
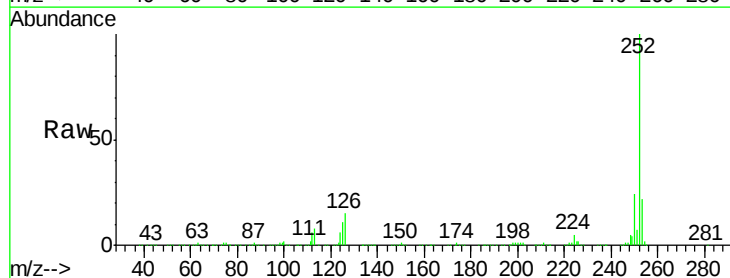
Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MS

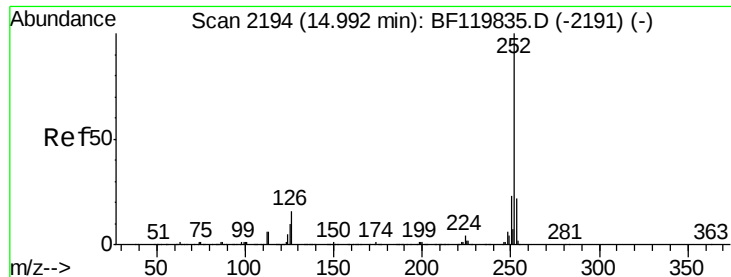
Tot Ion:264 Resp: 353810
Ion Ratio Lower Upper
264 100
260 23.2 18.7 28.1
265 22.1 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 50.281 ng
RT: 14.83 min Scan# 2167
Delta R.T. 0.00 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

Tgt Ion:252 Resp: 1279755
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.0
125 11.4 7.9 11.9

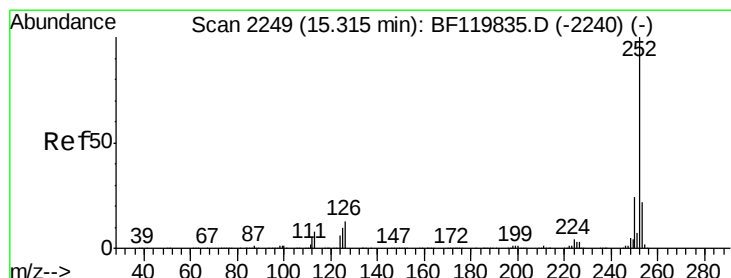
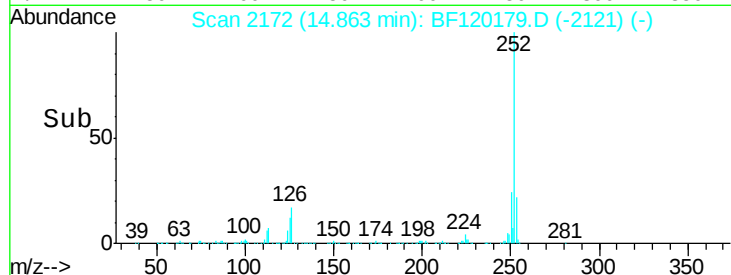
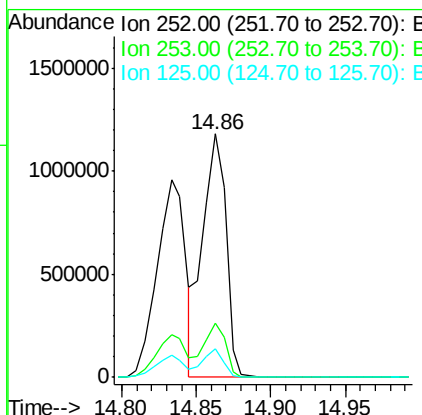
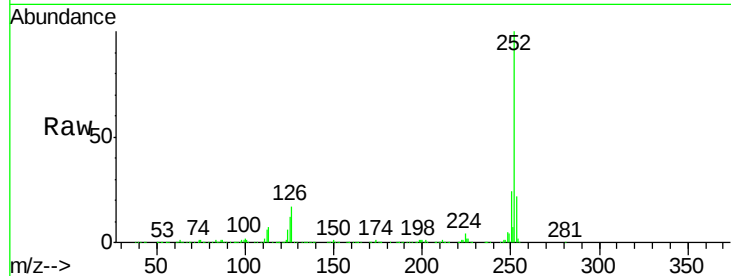




#89
Benzo(k)fluoranthene
Concen: 57.448 ng
RT: 14.86 min Scan# 2172
Delta R.T. 0.00 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

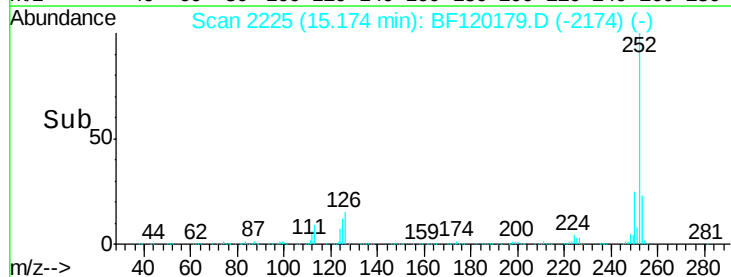
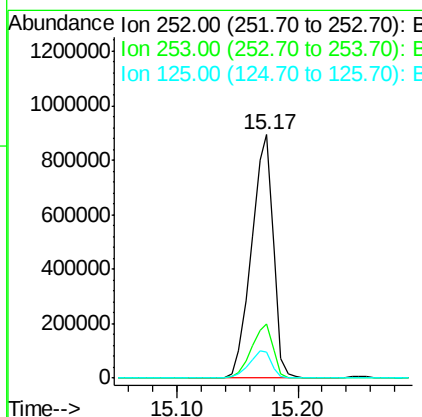
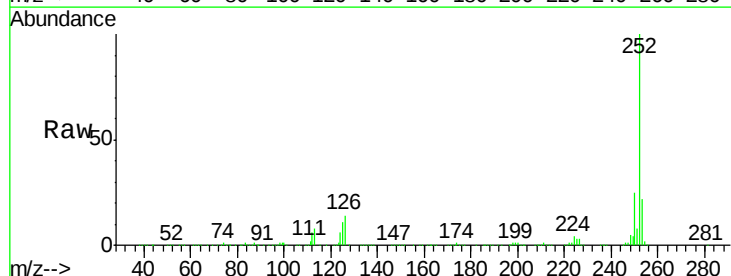
Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MS

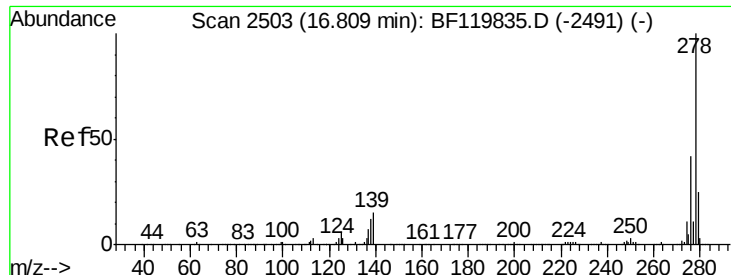
Tot Ion:252 Resp: 1261592
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 11.7 8.4 12.6



#90
Benzo(a)pyrene
Concen: 52.588 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

Tgt Ion:252 Resp: 1125395
Ion Ratio Lower Upper
252 100
253 22.2 18.2 27.2
125 10.8 9.4 14.2



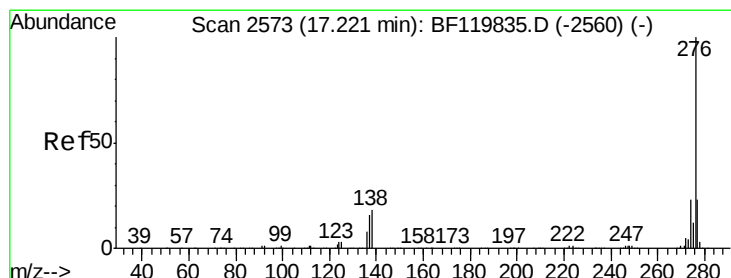
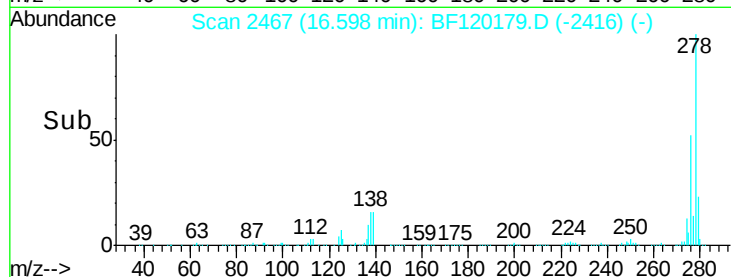
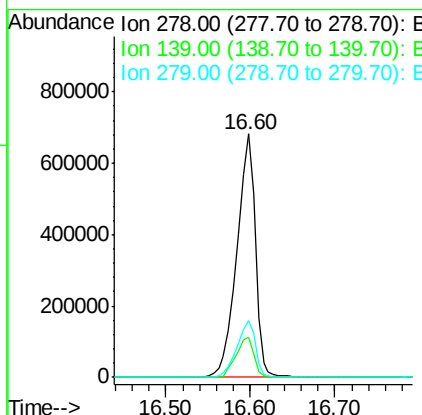
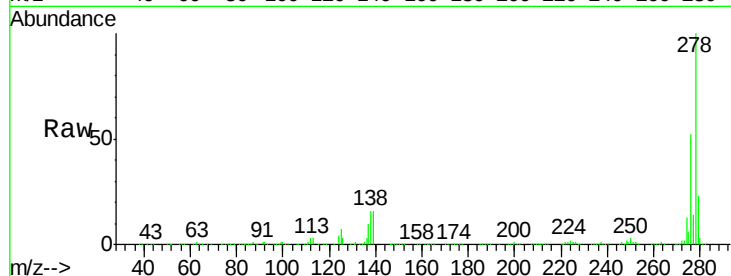


#91
Dibenzo(a,h)anthracene
Concen: 53.961 ng
RT: 16.60 min Scan# 2467
Delta R.T. 0.00 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

Instrument :
BNA_F
ClientSampleId :
PA-TWP-2MS

Tot Ion:278 Resp: 1022882

Ion	Ratio	Lower	Upper
278	100		
139	16.4	12.6	19.0
279	23.2	19.0	28.6



#92
Benzo(g,h,i)perylene
Concen: 53.685 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.01 min
Lab File: BF120179.D
Acq: 23 Apr 2020 22:21

Tgt Ion:276 Resp: 1004540

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.4	27.6
138	20.7	15.4	23.0

