

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022819\
 Data File : BF112779.D
 Acq On : 28 Feb 2019 23:33
 Operator : JU/SJ
 Sample : K1651-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 351-281

Quant Time: Mar 01 04:55:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 27 16:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	227820	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	843367	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	360584	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	570962	20.00	ng	0.00
76) Chrysene-d12	13.87	240	505840	20.00	ng	0.00
87) Perylene-d12	15.28	264	561410	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	1242806	84.86	ng	0.01
7) Phenol-d6	6.38	99	1578677	85.81	ng	0.01
23) Nitrobenzene-d5	7.30	82	960868	68.17	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	355955	92.99	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1462687	66.79	ng	0.00
79) Terphenyl-d14	12.83	244	1121912	42.99	ng	0.00

Target Compounds

						Qvalue
6) Aniline	6.39	93	506	0.020	ng	# 1
8) 2-Chlorophenol	6.52	128	313	0.019	ng	# 1
9) Benzaldehyde	6.38	77	2677	0.202	ng	# 1
10) Phenol	6.39	94	29898	1.393	ng	# 95
11) bis(2-Chloroethyl)ether	6.45	93	112	0.007	ng	# 19
15) Benzyl Alcohol	6.90	79	16526	1.178	ng	# 51
16) 2,2'-oxybis(1-Chloropropan	7.23	45	111	0.004	ng	# 71
19) n-Nitroso-di-n-propylamine	7.30	70	125743	10.792	ng	# 77
22) Acetophenone	7.15	105	578	0.029	ng	# 61
24) Nitrobenzene	7.30	77	2590	0.165	ng	# 26
25) Isophorone	7.30	82	949453	31.269	ng	# 66
28) bis(2-Chloroethoxy)methane	8.02	93	120	0.006	ng	# 1
31) Naphthalene	8.05	128	2321	0.055	ng	# 94
32) Benzoic acid	8.02	122	119	0.014	ng	# 1
33) 4-Chloroaniline	8.05	127	250	0.014	ng	# 35
37) 2-Methylnaphthalene	8.74	142	273	0.010	ng	# 78
38) 1-Methylnaphthalene	8.74	142	273	0.010	ng	# 98
46) 1,1'-Biphenyl	9.20	154	2884	0.098	ng	# 94
47) 2-Chloronaphthalene	9.49	162	1050	0.046	ng	# 1
48) 2-Nitroaniline	9.23	65	223	0.032	ng	# 4
49) Acenaphthylene	9.63	152	2811	0.072	ng	# 93
50) Dimethylphthalate	9.49	163	134087	5.043	ng	# 100
51) 2,6-Dinitrotoluene	9.49	165	1557	0.281	ng	# 20
52) Acenaphthene	9.80	154	897	0.039	ng	# 86
55) Dibenzofuran	9.97	168	725	0.022	ng	# 79
56) 4-Nitrophenol	9.97	139	423	0.077	ng	# 37
57) 2,4-Dinitrotoluene	9.77	165	45216	6.570	ng	# 18
58) Fluorene	10.32	166	1063	0.045	ng	# 81
60) Diethylphthalate	10.19	149	1307	0.047	ng	# 71
62) 4-Nitroaniline	10.23	138	120	0.019	ng	# 20
63) Azobenzene	10.48	77	493	0.017	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.56	198	521	4.813	ng	# 1
66) n-Nitrosodiphenylamine	10.55	169	10149	0.554	ng	# 38
67) 4-Bromophenyl-phenylether	10.56	248	20199	3.359	ng	# 1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

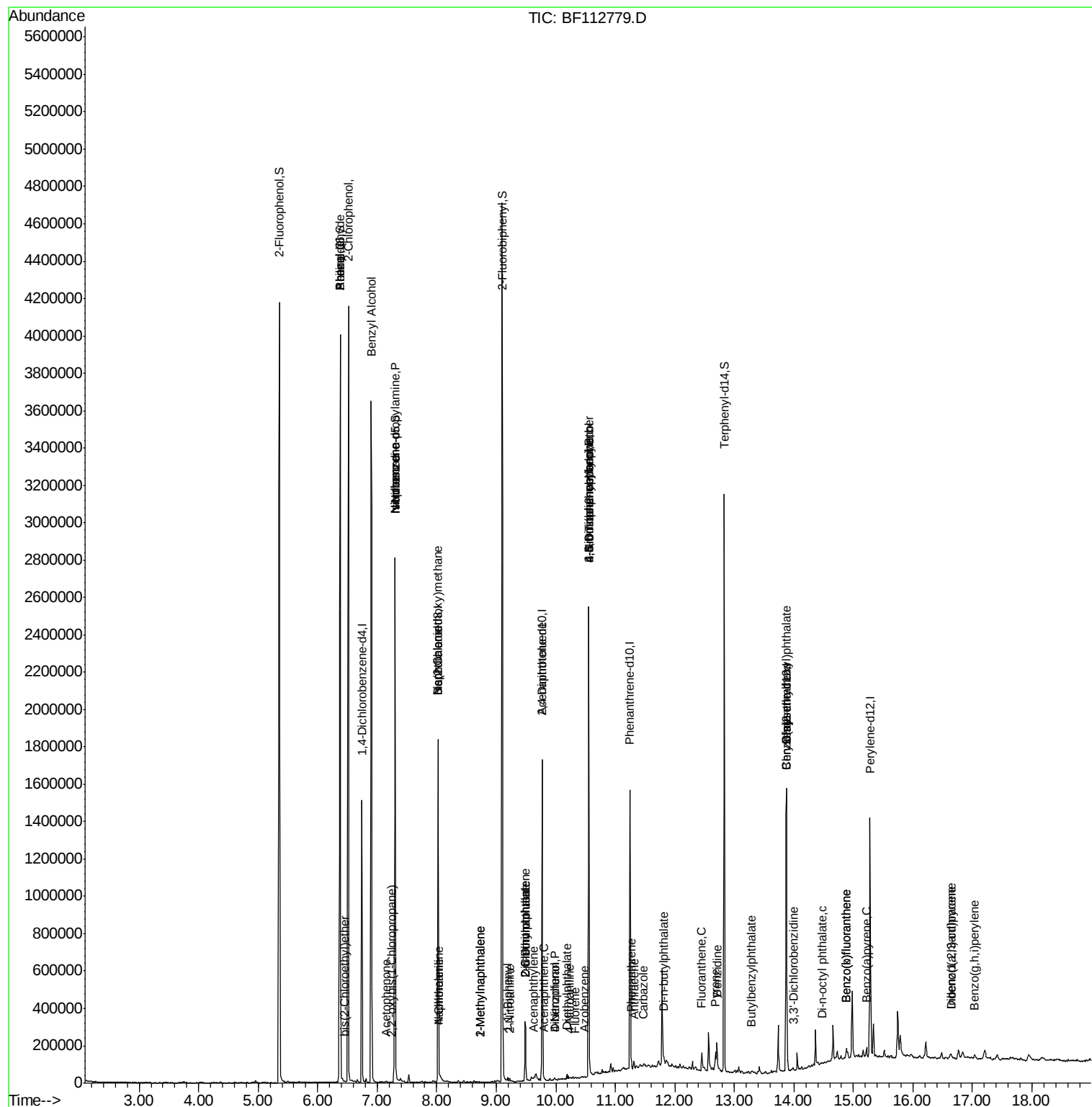
71) Phenanthrene	11.27	178	12134	0.427	ng	96
72) Anthracene	11.32	178	5680	0.191	ng	98
73) Carbazole	11.47	167	2864	0.099	ng #	69
74) Di-n-butylphthalate	11.82	149	6914	0.199	ng #	90
75) Fluoranthene	12.45	202	37609	1.236	ng	99
77) Benzidine	12.71	184	409	0.016	ng #	1
78) Pyrene	12.68	202	35683	0.837	ng	97
80) Butylbenzylphthalate	13.28	149	714	0.038	ng #	67
81) Benzo(a)anthracene	13.86	228	22229	0.634	ng	95
82) 3,3'-Dichlorobenzidine	14.00	252	115	0.009	ng #	1
83) Chrysene	13.86	228	22229	0.647	ng	99
84) Bis(2-ethylhexyl)phthalate	13.87	149	3186	0.144	ng #	79
85) Di-n-octyl phthalate	14.48	149	301	0.008	ng #	1
86) Indeno(1,2,3-cd)pyrene	16.63	276	14654	0.501	ng	94
88) Benzo(b)fluoranthene	14.88	252	41275	1.137	ng #	92
89) Benzo(k)fluoranthene	14.88	252	41275	1.255	ng #	92
90) Benzo(a)pyrene	15.22	252	22532	0.701	ng #	94
91) Dibenzo(a,h)anthracene	16.64	278	4029	0.147	ng #	69
92) Benzo(g,h,i)perylene	17.04	276	12565	0.457	ng #	82

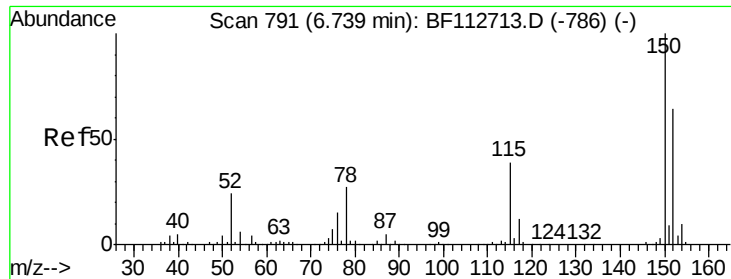
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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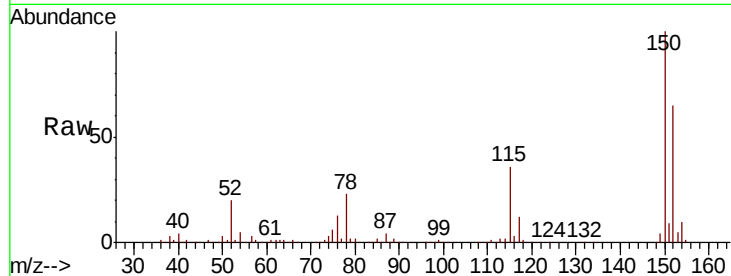


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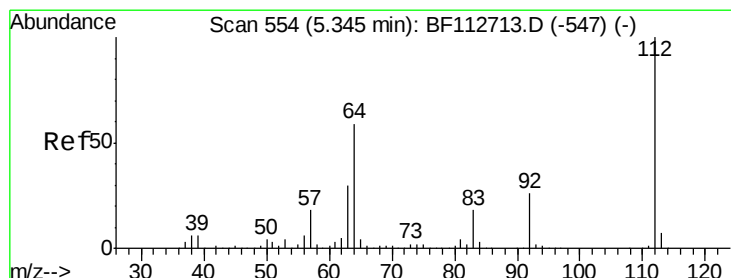
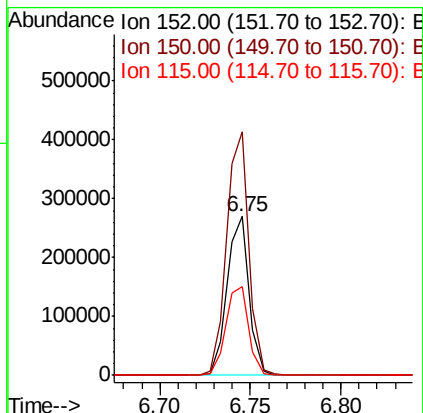
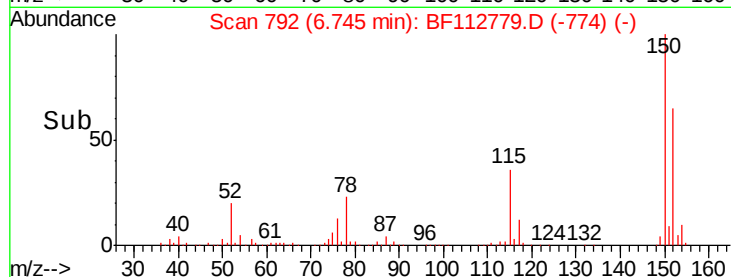
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: BF112779.D
 Acq: 28 Feb 2019 23:33

Instrument :
 BNA_F
 ClientSampleId :
 351-281

Tgt Ion:152 Resp: 227820
 Ion Ratio Lower Upper
 152 100
 150 153.3 124.2 186.2
 115 55.7 48.2 72.4



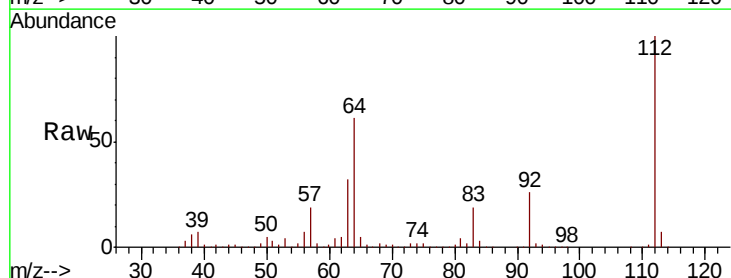
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



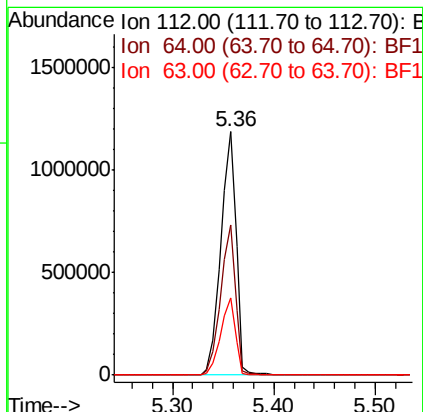
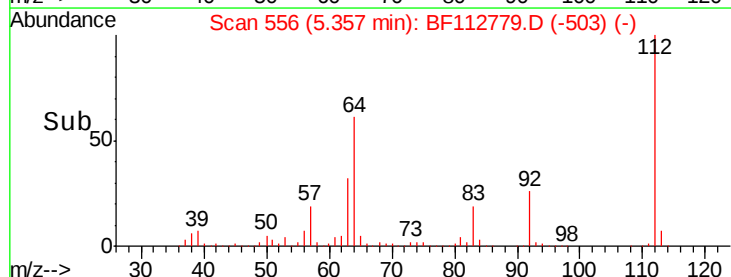
#5

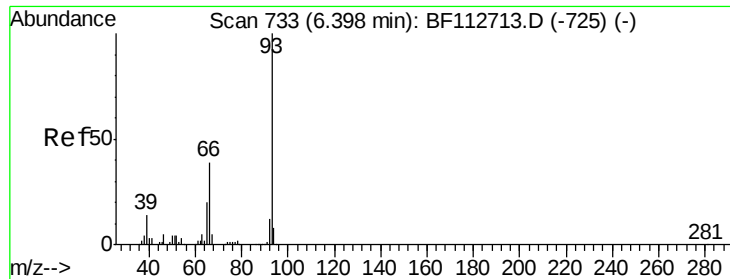
2-Fluorophenol
 Concen: 84.858 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF112779.D
 Acq: 28 Feb 2019 23:33

Tgt Ion:112 Resp: 1242806
 Ion Ratio Lower Upper
 112 100
 64 61.5 47.6 71.4
 63 31.6 24.4 36.6



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#6

Aniline

Concen: 0.020 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

Instrument :

BNA_F

ClientSampleId :

351-281

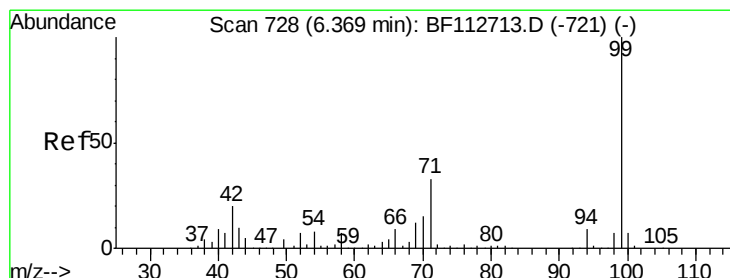
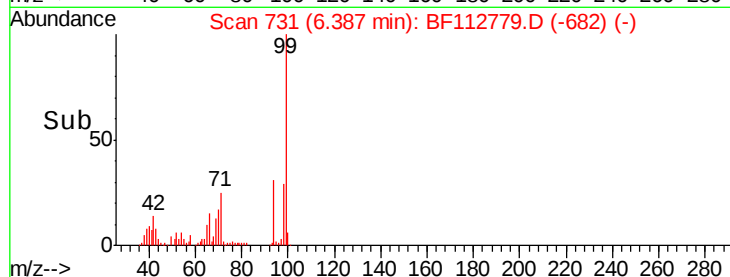
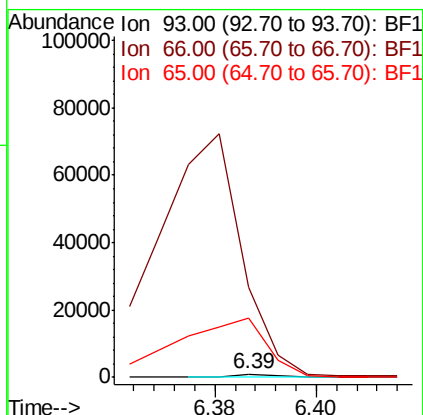
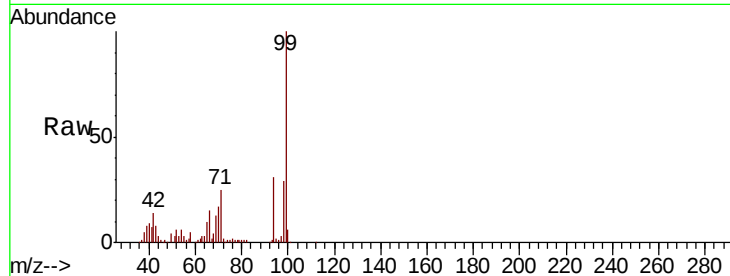
Tgt Ion: 93 Resp: 506

Ion Ratio Lower Upper

93 100

66 2920.2 32.2 48.2#

65 1913.9 16.2 24.4#



#7

Phenol-d6

Concen: 85.810 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

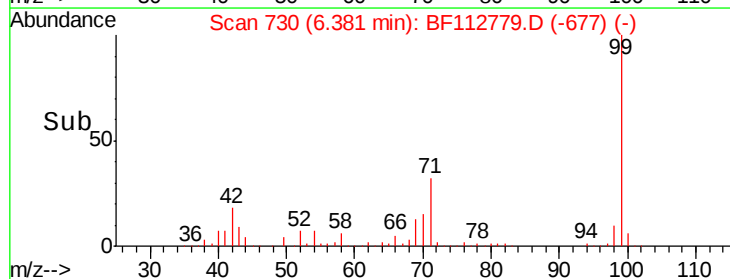
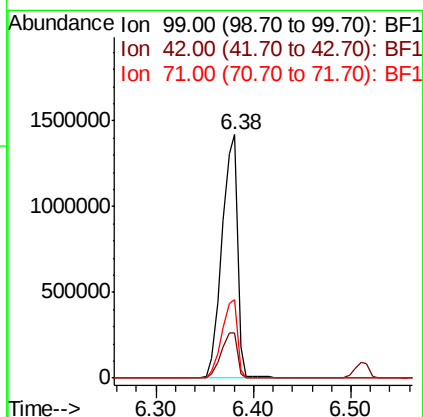
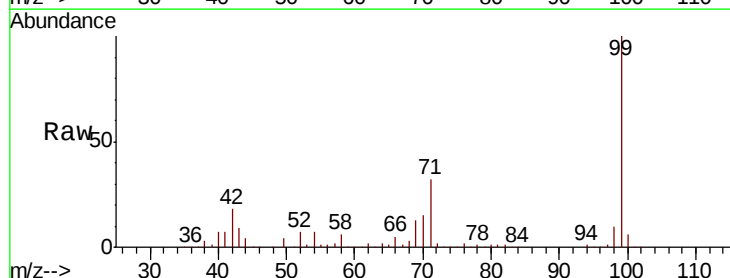
Tgt Ion: 99 Resp: 1578677

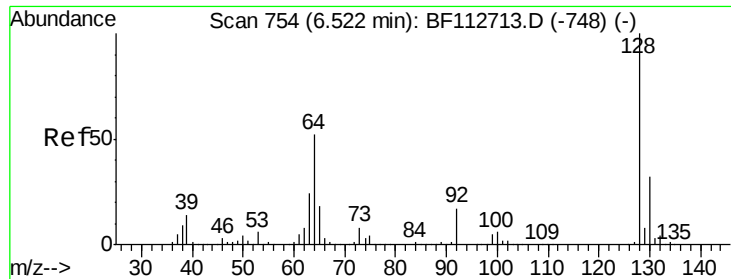
Ion Ratio Lower Upper

99 100

42 18.5 16.3 24.5

71 32.2 26.2 39.4

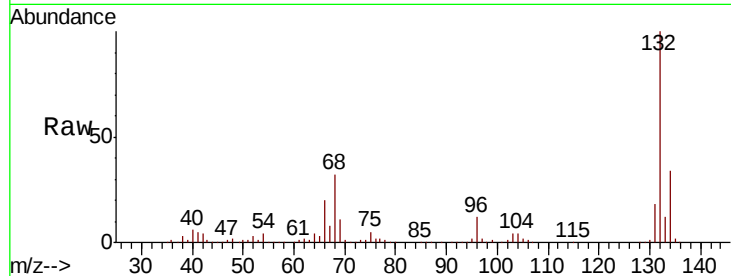




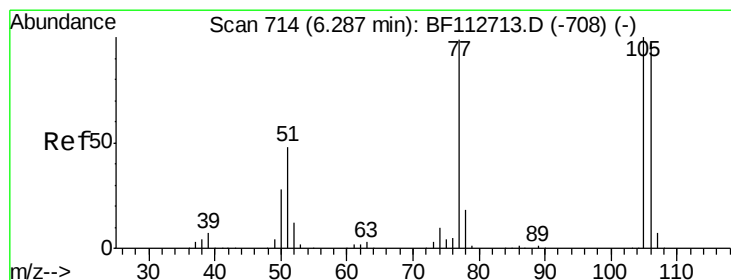
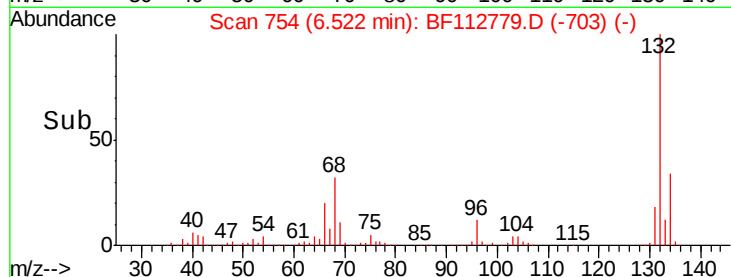
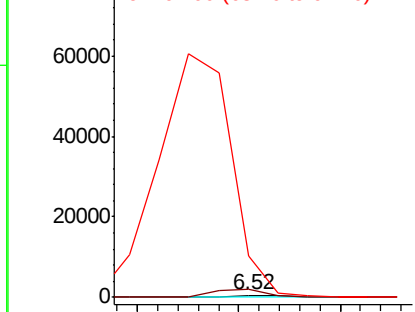
#8
2-Chlorophenol
Concen: 0.019 ng
RT: 6.52 min Scan# 754
Delta R.T. 0.00 min
Lab File: BF112779.D
Acq: 28 Feb 2019 23:33

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ClientSampleId :
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Tgt Ion: 128 Resp: 313
Ion Ratio Lower Upper
128 100
130 461.5 12.4 52.4#
64 2192.6 32.2 72.2#

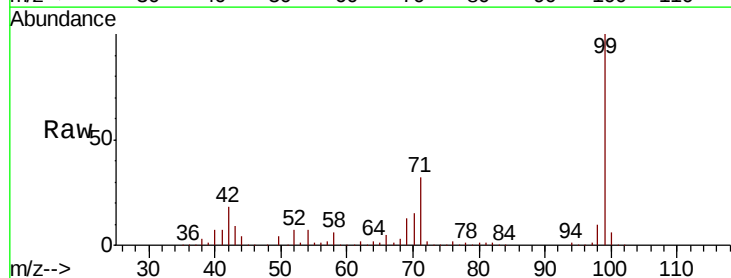


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1

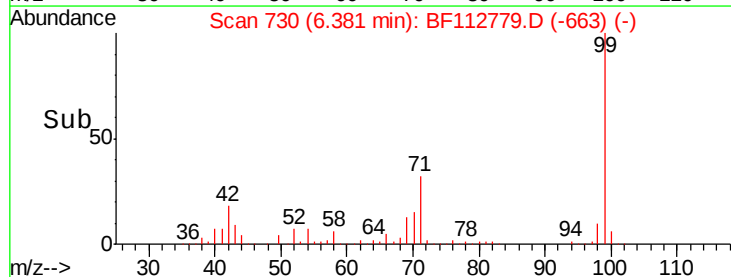
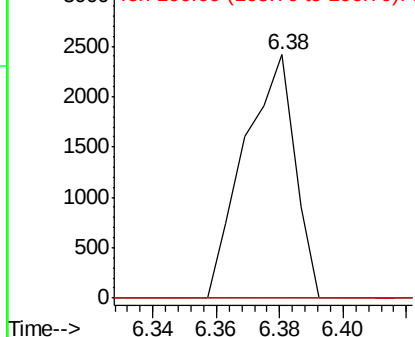


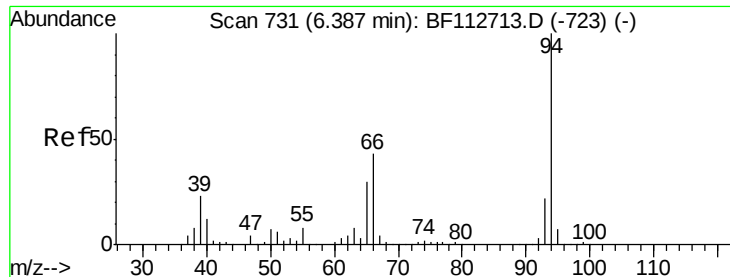
#9
Benzaldehyde
Concen: 0.202 ng
RT: 6.38 min Scan# 730
Delta R.T. 0.09 min
Lab File: BF112779.D
Acq: 28 Feb 2019 23:33

Tgt Ion: 77 Resp: 2677
Ion Ratio Lower Upper
77 100
105 0.0 81.4 121.4#
106 0.0 78.3 118.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 1.393 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

Instrument :

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ClientSampleId :

351-281

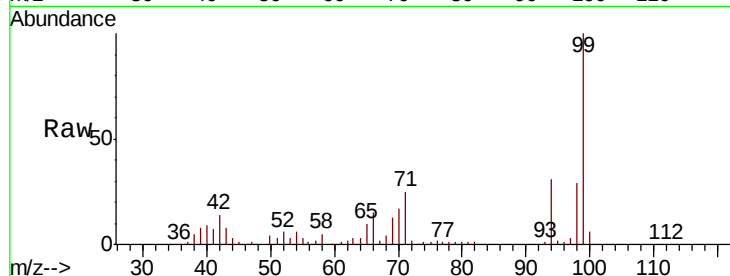
Tgt Ion: 94 Resp: 29898

Ion Ratio Lower Upper

94 100

65 31.3 10.5 50.5

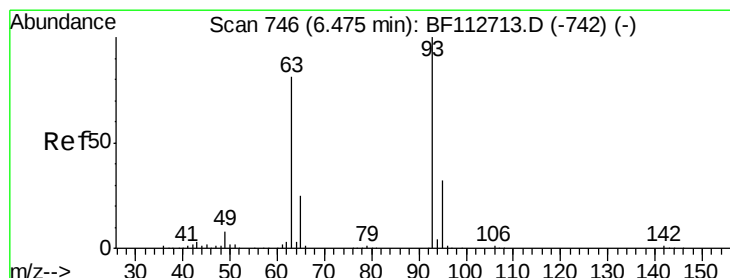
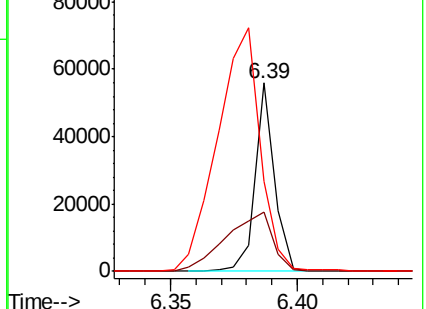
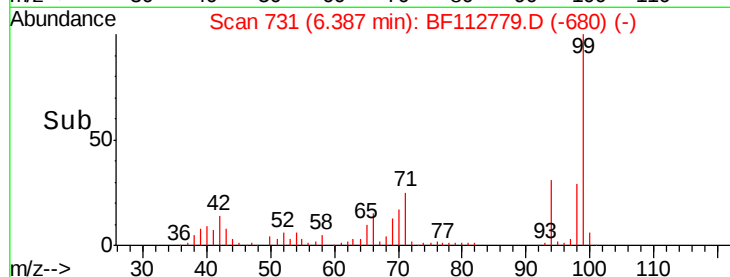
66 47.8 22.6 62.6



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: 0.007 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

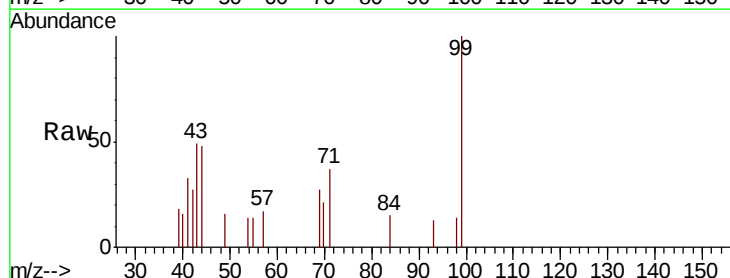
Tgt Ion: 93 Resp: 112

Ion Ratio Lower Upper

93 100

63 0.0 60.5 100.5#

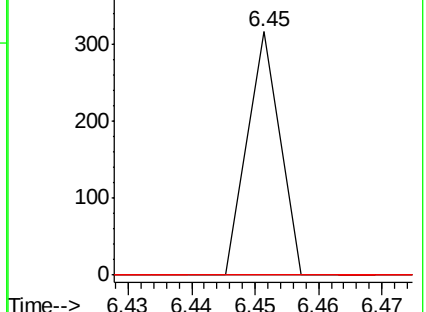
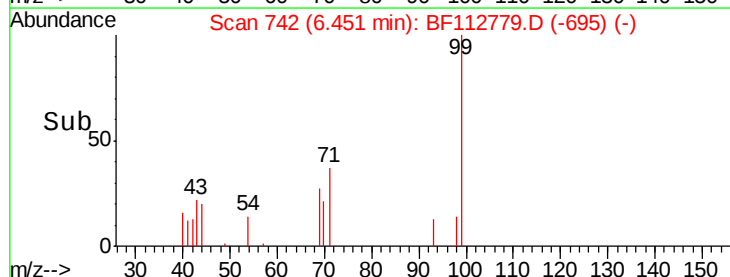
95 0.0 12.1 52.1#

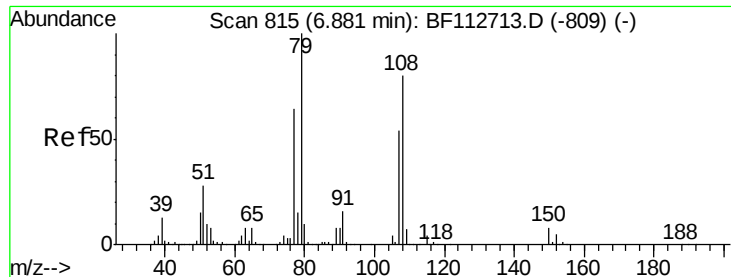


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1





#15

Benzyl Alcohol

Concen: 1.178 ng

RT: 6.90 min Scan# 818

Delta R.T. 0.02 min

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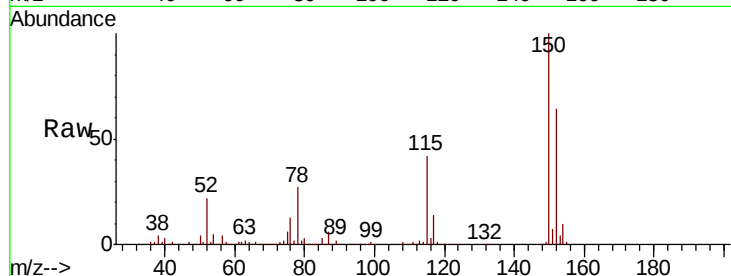
Tgt Ion: 79 Resp: 16526

Ion Ratio Lower Upper

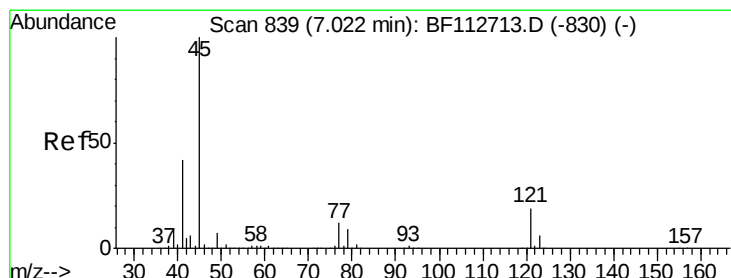
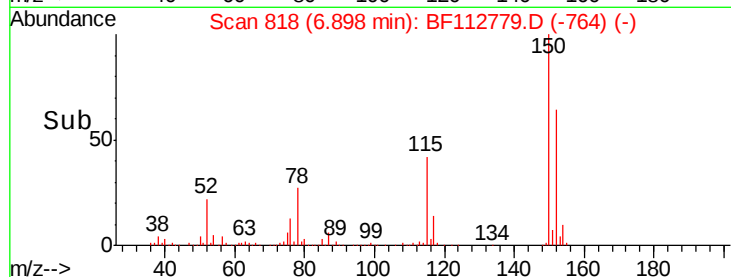
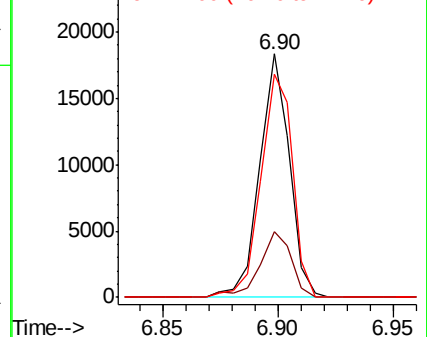
79 100

108 26.8 64.2 96.4#

77 91.6 51.1 76.7#



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: 0.004 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.21 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

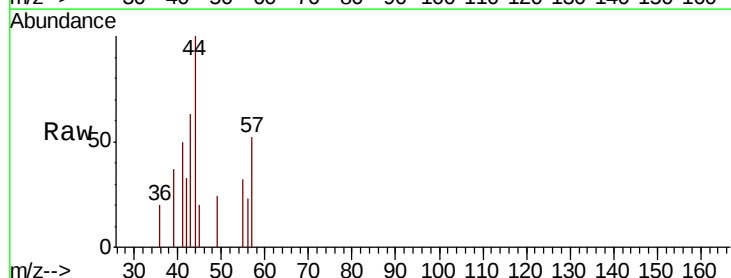
Tgt Ion: 45 Resp: 111

Ion Ratio Lower Upper

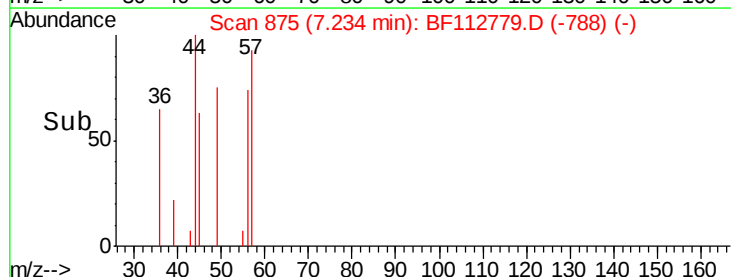
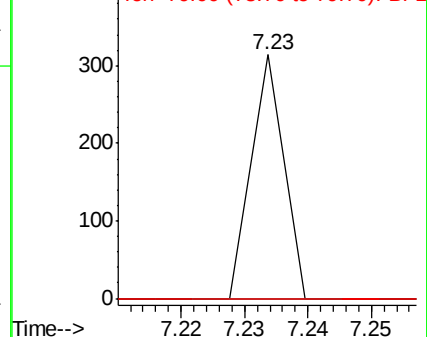
45 100

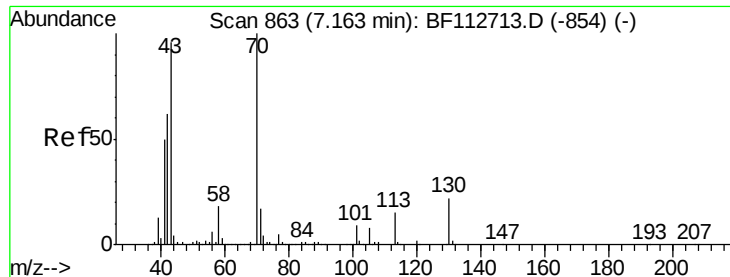
77 0.0 0.0 32.1

79 0.0 0.0 29.4



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

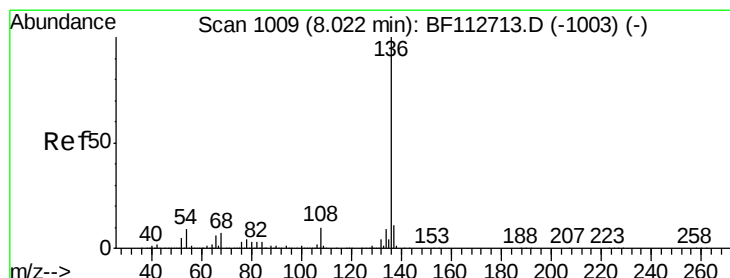
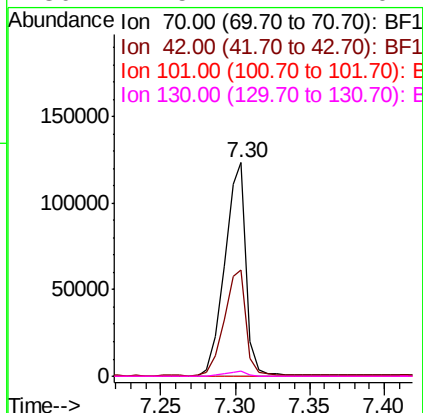
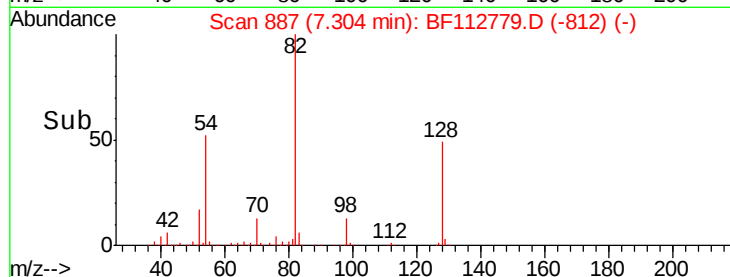
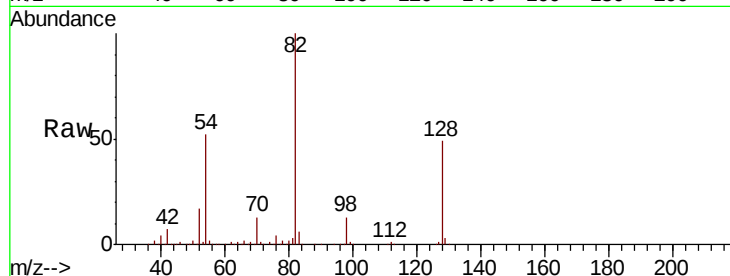




#19
n-Nitroso-di-n-propylamine
Concen: 10.792 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.14 min
Lab File: BF112779.D
Acq: 28 Feb 2019 23:33

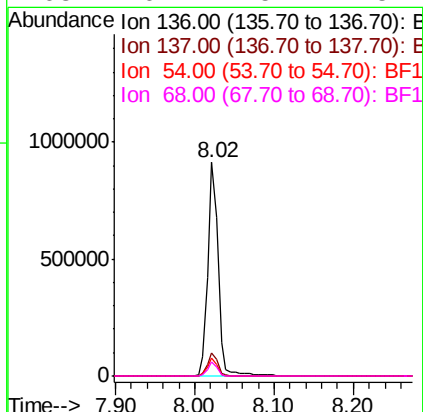
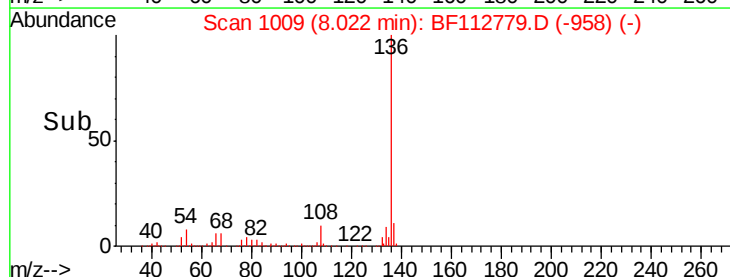
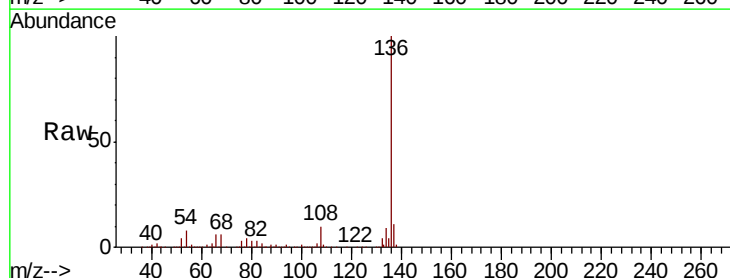
Instrument :
BNA_F
ClientSampleId :
351-281

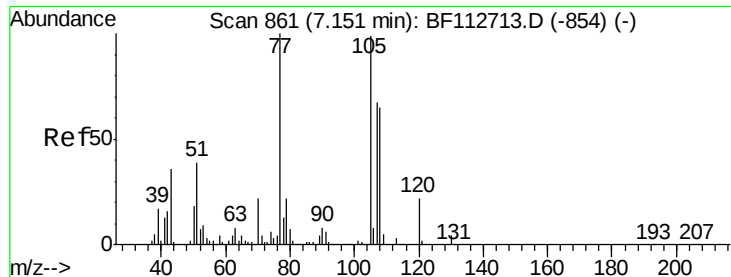
Tgt Ion: 70 Resp: 125743
Ion Ratio Lower Upper
70 100
42 49.8 49.9 74.9#
101 0.0 7.4 11.2#
130 2.5 17.4 26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF112779.D
Acq: 28 Feb 2019 23:33

Tgt Ion: 136 Resp: 843367
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.4 7.3 10.9
68 6.4 5.4 8.2





#22

Acetophenone

Concen: 0.029 ng

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

Instrument :

BNA_F

ClientSampleId :

351-281

Tgt Ion: 105 Resp: 578

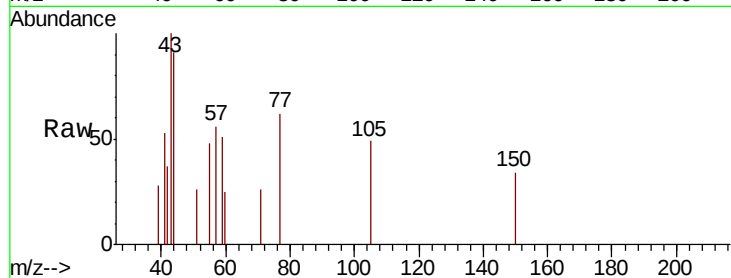
Ion Ratio Lower Upper

105 100

71 52.7 3.0 4.4#

51 53.8 31.5 47.3#

120 0.0 18.1 27.1#

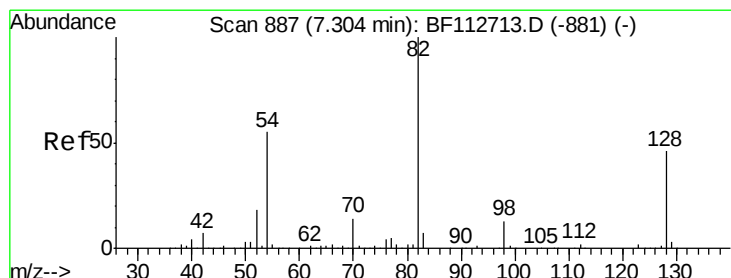
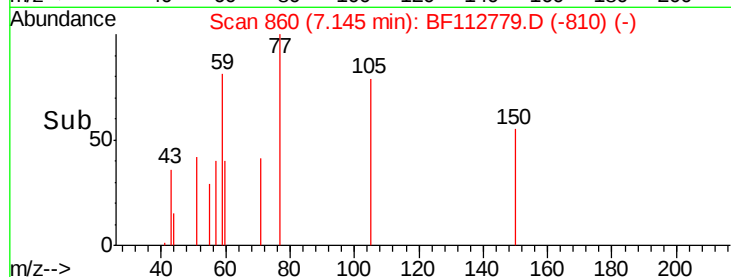
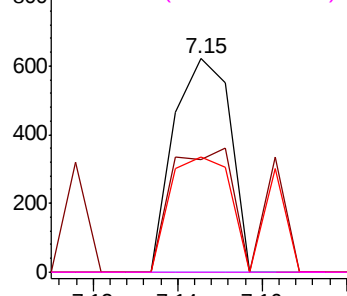


Abundance Ion 105.00 (104.70 to 105.70): E

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: 68.175 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.00 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

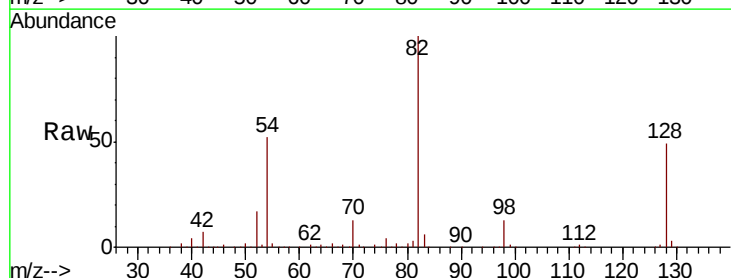
Tgt Ion: 82 Resp: 960868

Ion Ratio Lower Upper

82 100

128 48.6 36.3 54.5

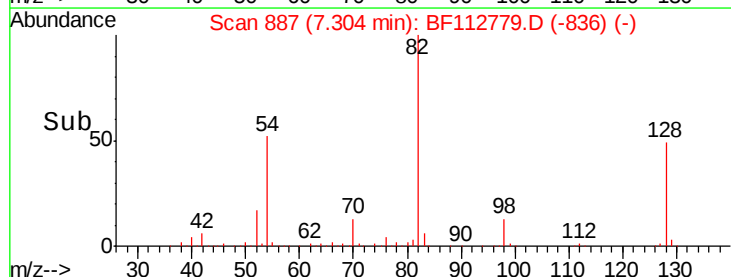
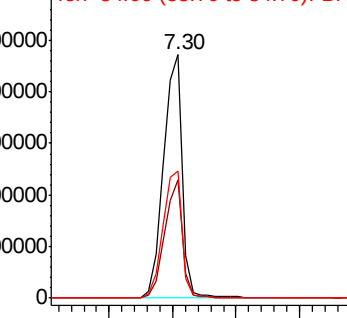
54 52.4 43.7 65.5

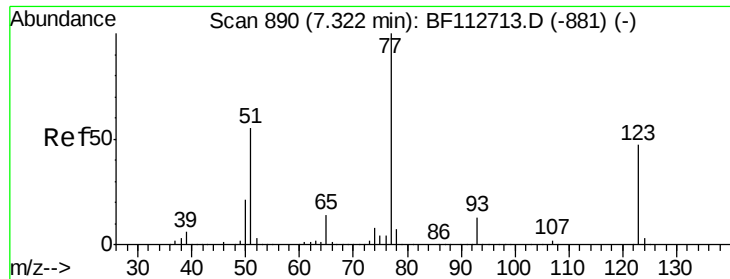


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

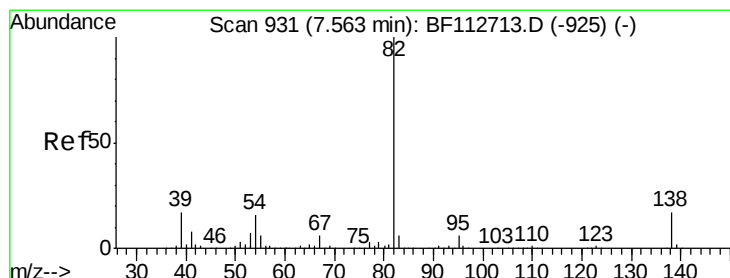
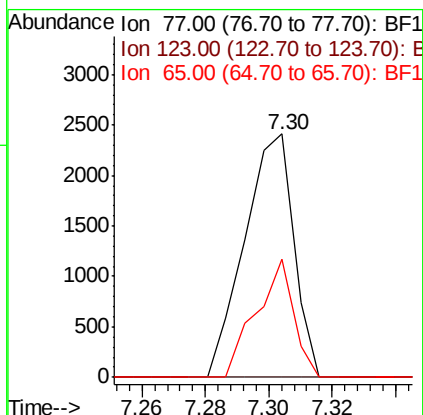
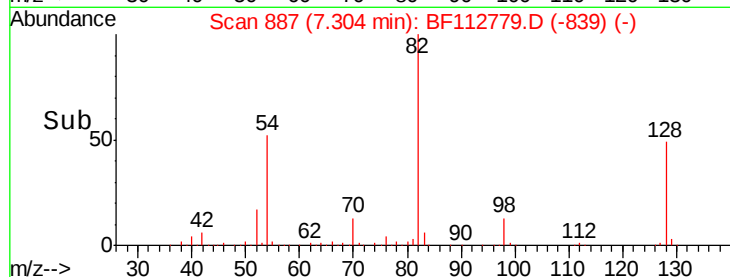
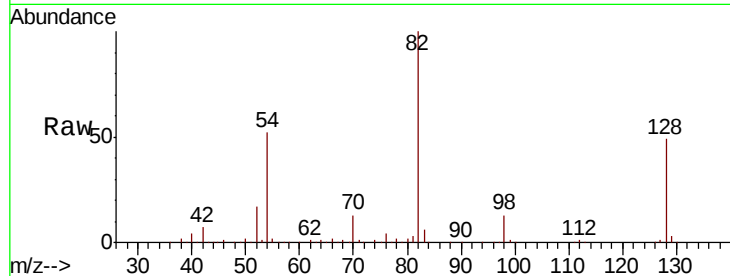




#24
Nitrobenzene
Concen: 0.165 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF112779.D
Acq: 28 Feb 2019 23:33

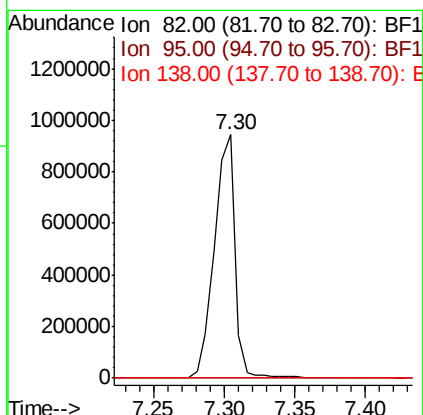
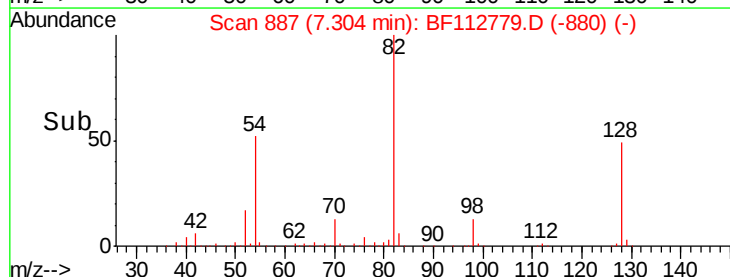
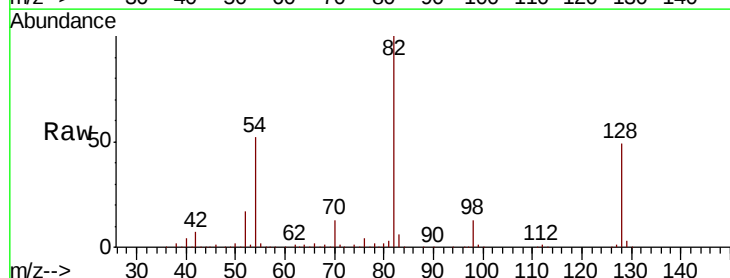
Instrument :
BNA_F
ClientSampleId :
351-281

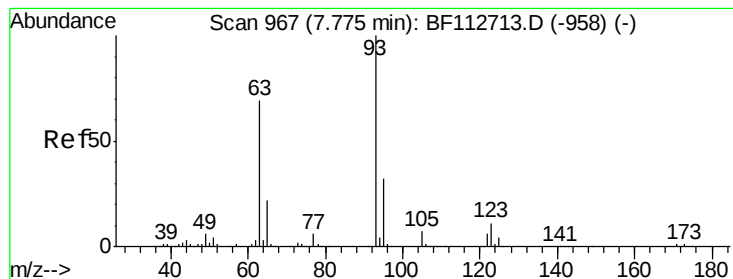
Tgt Ion: 77 Resp: 2590
Ion Ratio Lower Upper
77 100
123 0.0 37.8 56.6#
65 48.8 11.1 16.7#



#25
Isophorone
Concen: 31.269 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.26 min
Lab File: BF112779.D
Acq: 28 Feb 2019 23:33

Tgt Ion: 82 Resp: 949453
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#





#28

bis(2-Chloroethoxy)methane

Concen: 0.006 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.25 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

Instrument :

BNA_F

ClientSampleId :

351-281

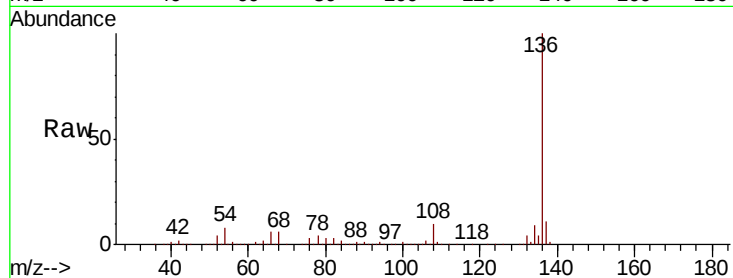
Tgt Ion: 93 Resp: 120

Ion Ratio Lower Upper

93 100

95 250.6 26.0 39.0#

123 0.0 9.3 13.9#

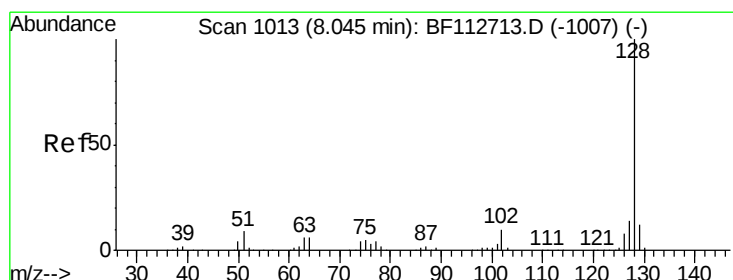
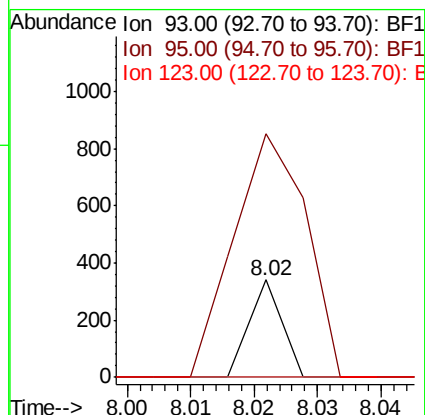
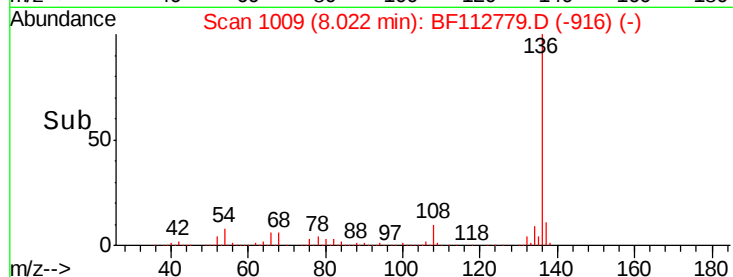


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Time-->



#31

Naphthalene

Concen: 0.055 ng

RT: 8.05 min Scan# 1013

Delta R.T. 0.00 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

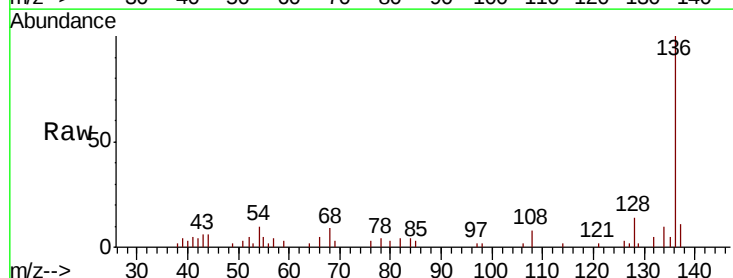
Tgt Ion: 128 Resp: 2321

Ion Ratio Lower Upper

128 100

129 13.4 9.3 13.9

127 16.2 10.9 16.3

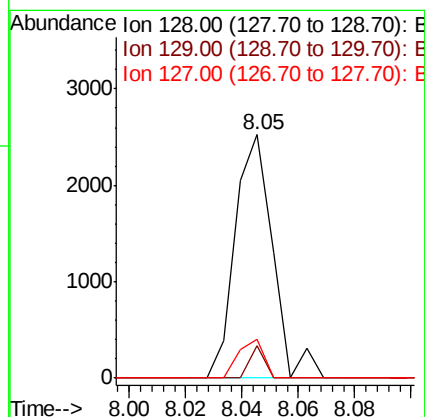
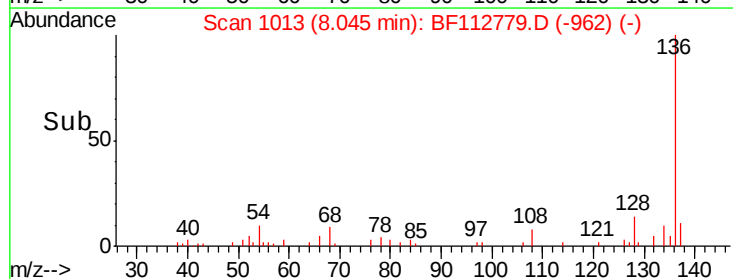


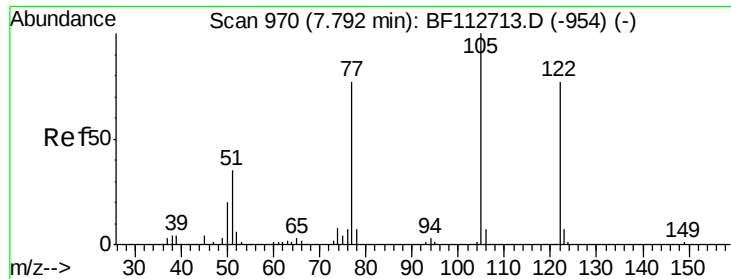
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

Time-->





#32

Benzoic acid

Concen: 0.014 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.23 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

Instrument :

BNA_F

ClientSampleId :

351-281

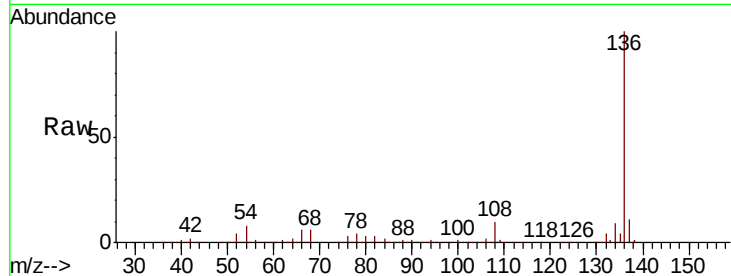
Tgt Ion:122 Resp: 119

Ion Ratio Lower Upper

122 100

105 161.9 106.8 146.8#

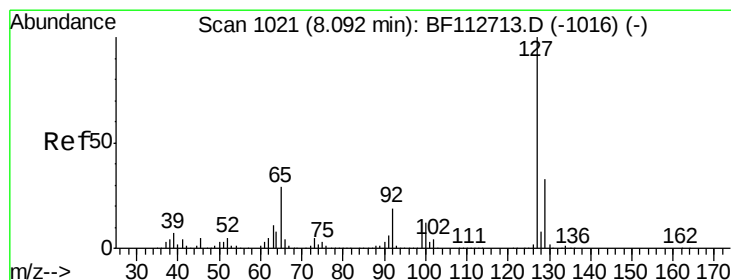
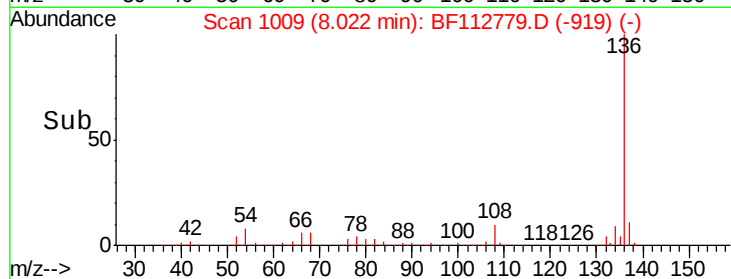
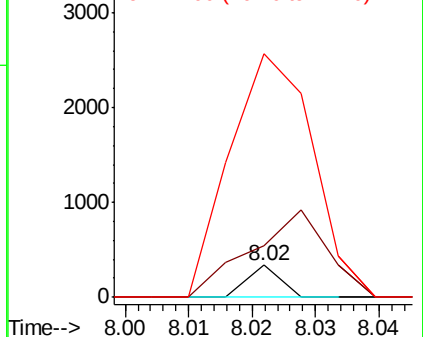
77 763.7 79.4 119.4#



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: 0.014 ng

RT: 8.05 min Scan# 1013

Delta R.T. -0.05 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

Tgt Ion:127 Resp: 250

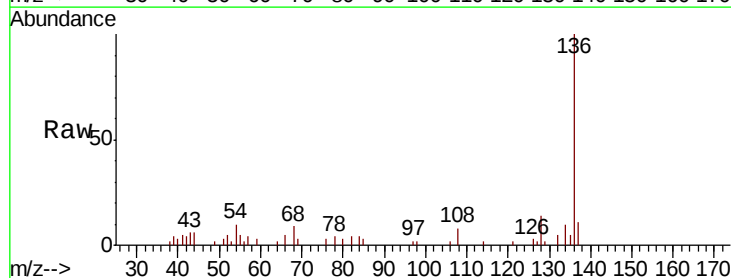
Ion Ratio Lower Upper

127 100

129 82.8 26.4 39.6#

65 0.0 23.1 34.7#

92 0.0 14.9 22.3#

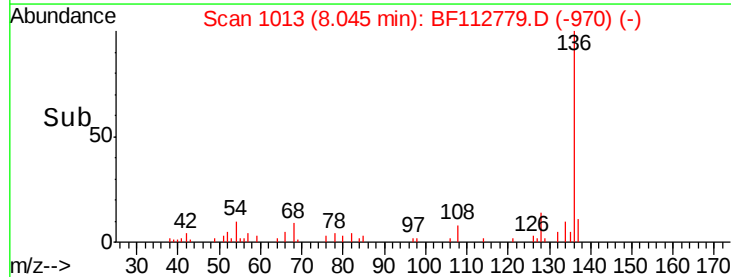
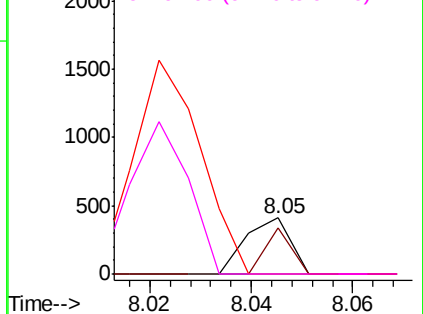


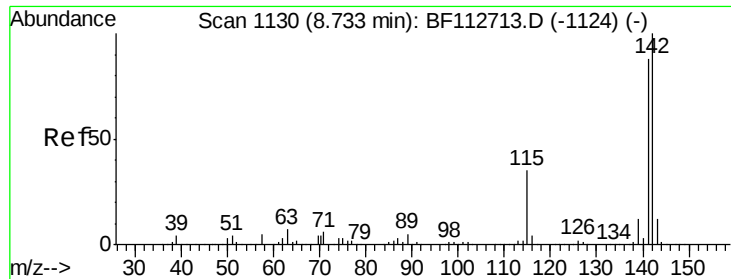
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

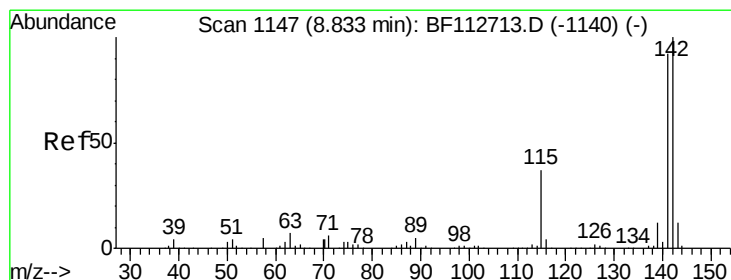
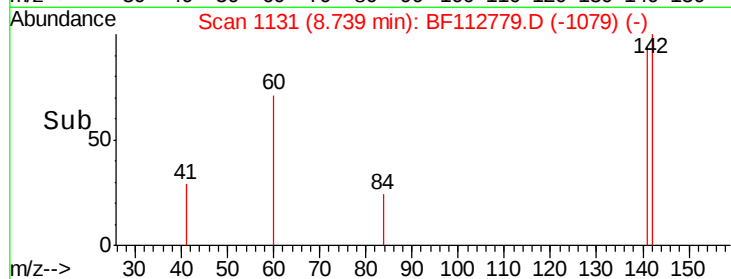
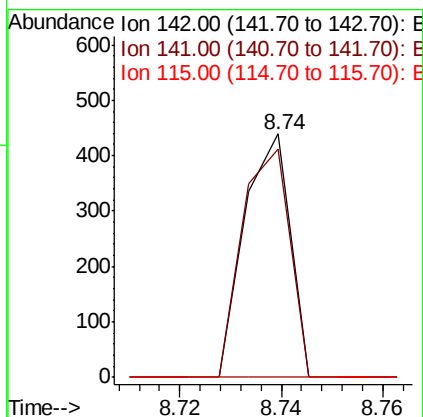
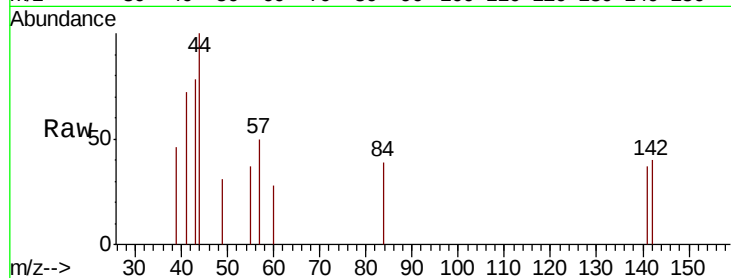




#37
 2-Methylnaphthalene
 Concen: 0.010 ng
 RT: 8.74 min Scan# 1131
 Delta R.T. 0.01 min
 Lab File: BF112779.D
 Acq: 28 Feb 2019 23:33

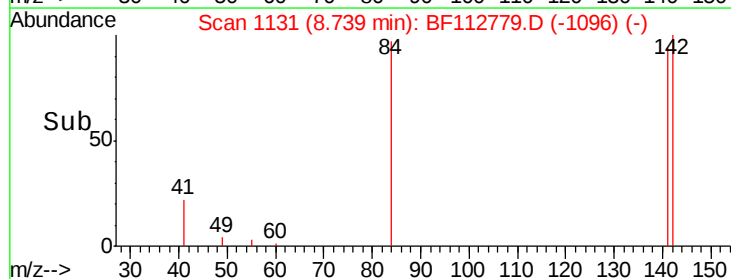
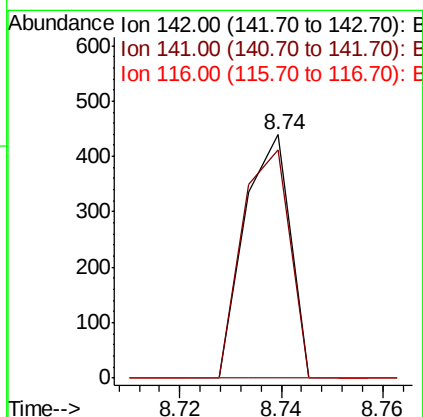
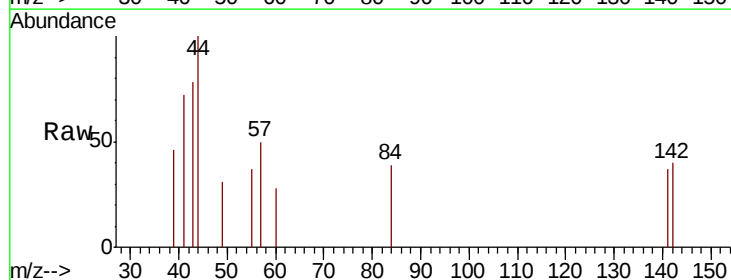
Instrument :
 BNA_F
 ClientSampleId :
 351-281

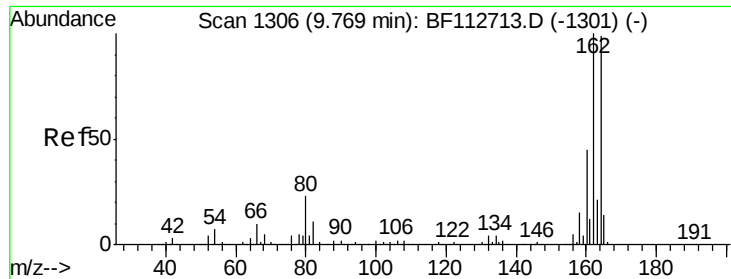
Tgt Ion:142 Resp: 273
 Ion Ratio Lower Upper
 142 100
 141 94.1 70.3 105.5
 115 0.0 27.8 41.6#



#38
 1-Methylnaphthalene
 Concen: 0.010 ng
 RT: 8.74 min Scan# 1131
 Delta R.T. -0.09 min
 Lab File: BF112779.D
 Acq: 28 Feb 2019 23:33

Tgt Ion:142 Resp: 273
 Ion Ratio Lower Upper
 142 100
 141 94.1 73.7 110.5
 116 0.0 3.1 4.7#

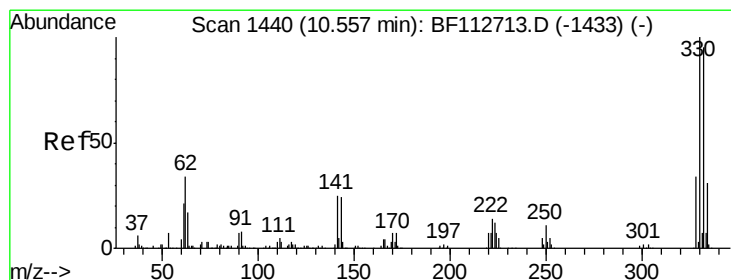
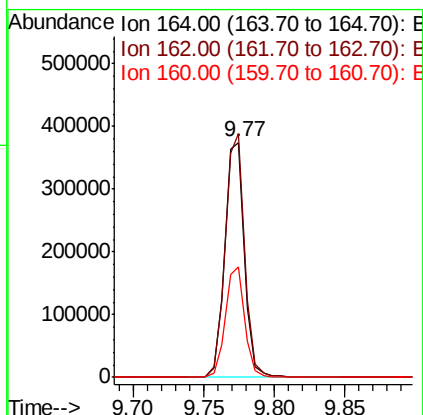
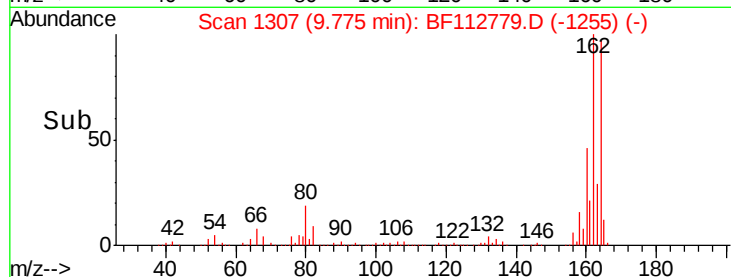
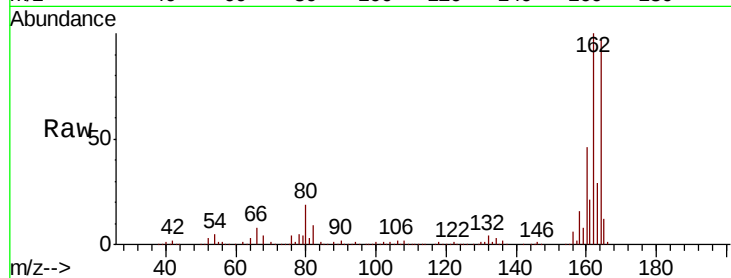




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF112779.D
Acq: 28 Feb 2019 23:33

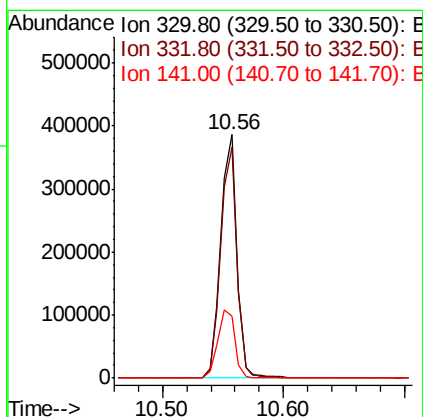
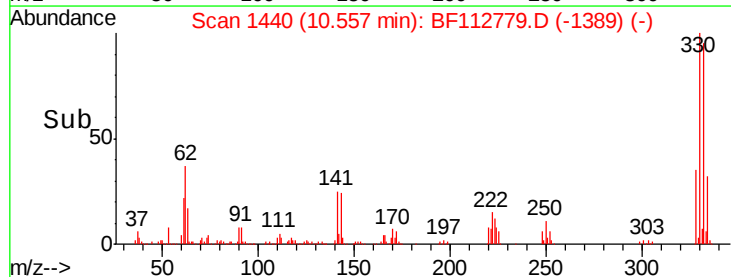
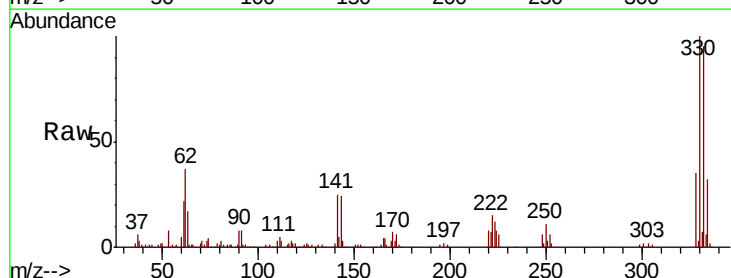
Instrument :
BNA_F
ClientSampleId :
351-281

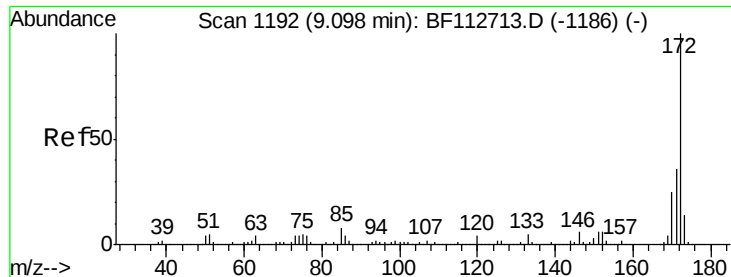
Tgt Ion:164 Resp: 360584
Ion Ratio Lower Upper
164 100
162 103.5 80.6 120.8
160 47.2 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 92.986 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BF112779.D
Acq: 28 Feb 2019 23:33

Tgt Ion:330 Resp: 355955
Ion Ratio Lower Upper
330 100
332 95.3 76.2 114.4
141 29.9 27.0 40.6

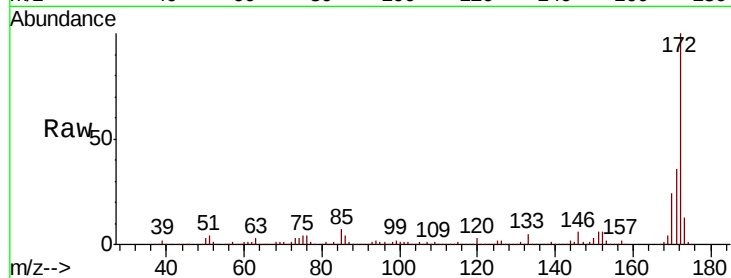




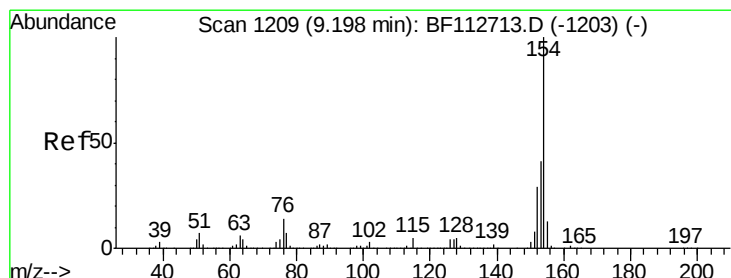
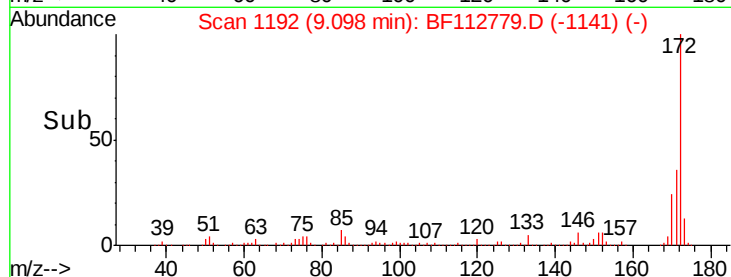
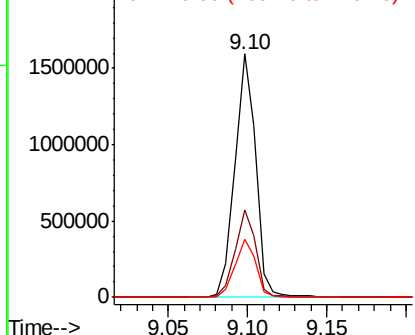
#45
2-Fluorobiphenyl
Concen: 66.789 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112779.D
Acq: 28 Feb 2019 23:33

Instrument :
BNA_F
ClientSampleId :
351-281

Tgt Ion:172 Resp: 1462687
Ion Ratio Lower Upper
172 100
171 35.9 29.0 43.4
170 24.0 20.0 30.0

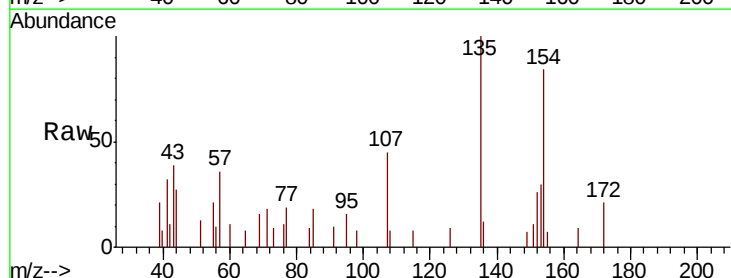


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

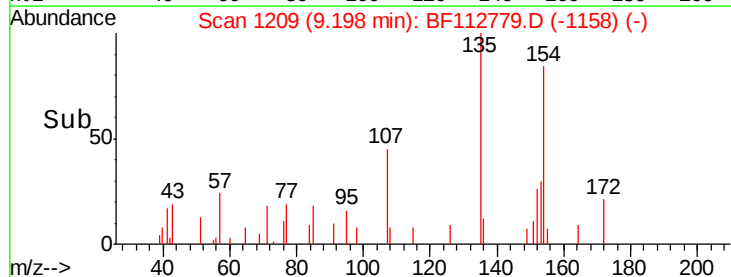
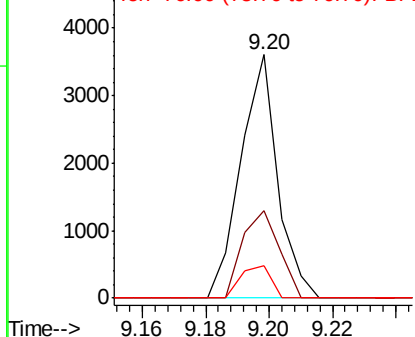


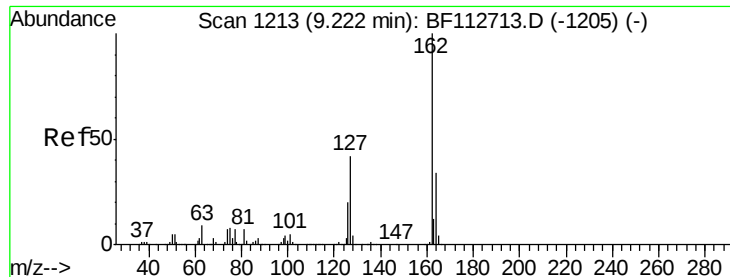
#46
1,1'-Biphenyl
Concen: 0.098 ng
RT: 9.20 min Scan# 1209
Delta R.T. 0.00 min
Lab File: BF112779.D
Acq: 28 Feb 2019 23:33

Tgt Ion:154 Resp: 2884
Ion Ratio Lower Upper
154 100
153 36.1 20.8 60.8
76 13.3 0.0 33.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

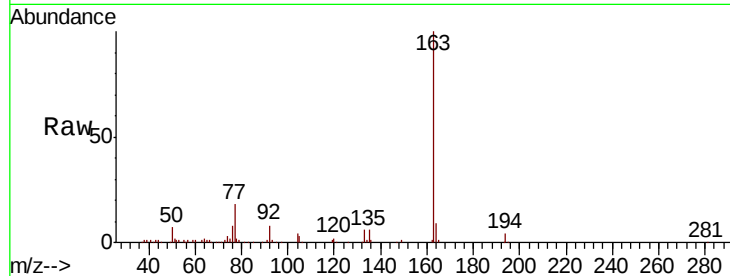




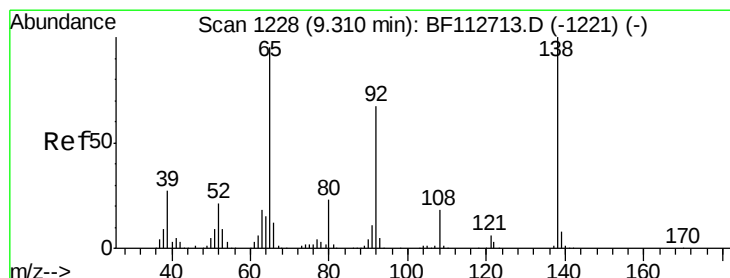
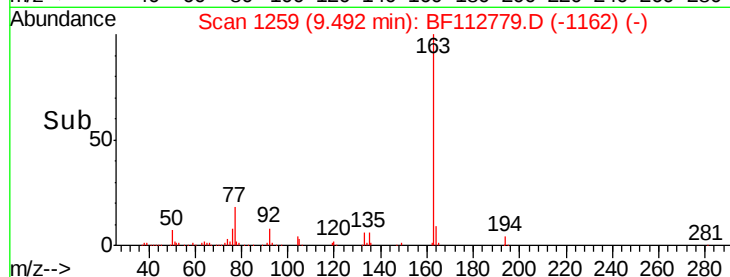
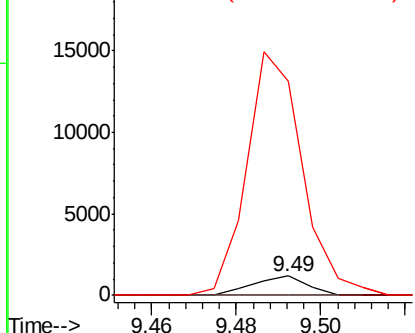
#47
 2-Chloronaphthalene
 Concen: 0.046 ng
 RT: 9.49 min Scan# 1259
 Delta R.T. 0.27 min
 Lab File: BF112779.D
 Acq: 28 Feb 2019 23:33

Instrument :
 BNA_F
 ClientSampleId :
 351-281

Tgt Ion: 162 Resp: 1050
 Ion Ratio Lower Upper
 162 100
 127 0.0 33.4 50.2#
 164 1097.1 26.9 40.3#

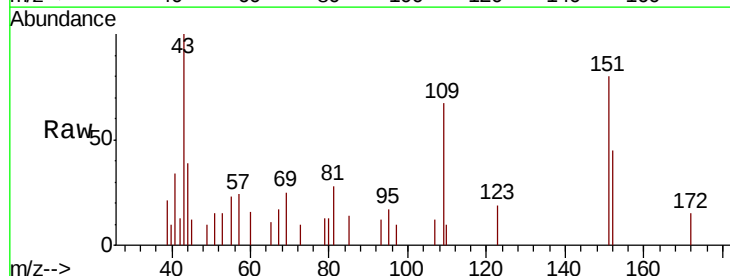


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

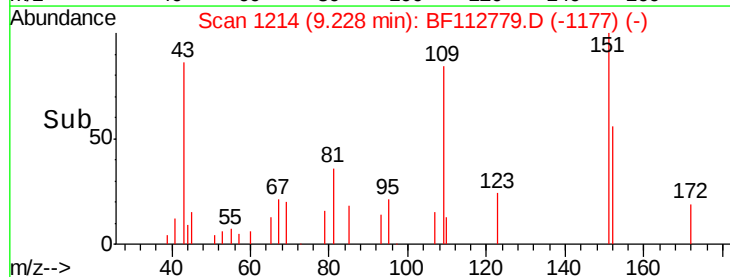
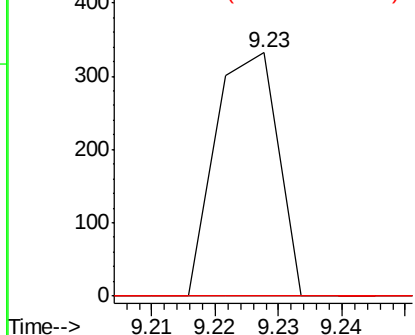


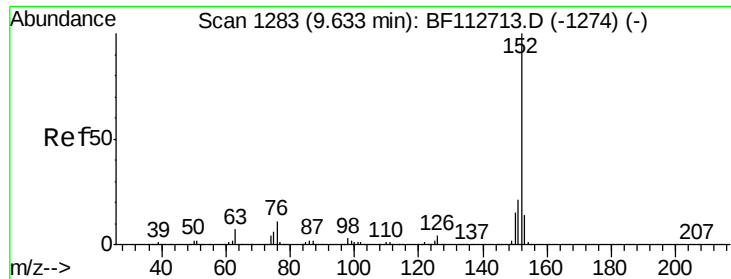
#48
 2-Nitroaniline
 Concen: 0.032 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.08 min
 Lab File: BF112779.D
 Acq: 28 Feb 2019 23:33

Tgt Ion: 65 Resp: 223
 Ion Ratio Lower Upper
 65 100
 92 0.0 56.4 84.6#
 138 0.0 84.6 126.8#



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: 0.072 ng

RT: 9.63 min Scan# 1283

Delta R.T. 0.00 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

Instrument :

BNA_F

ClientSampleId :

351-281

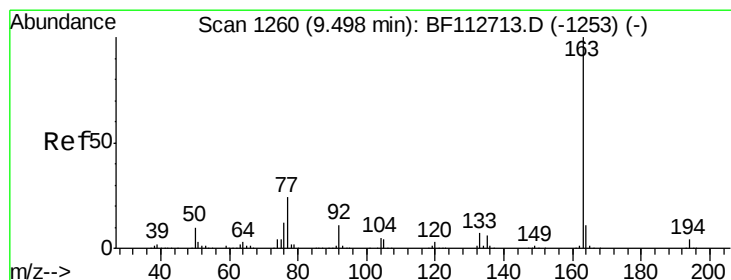
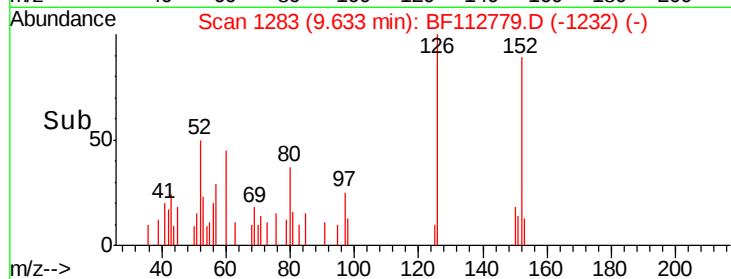
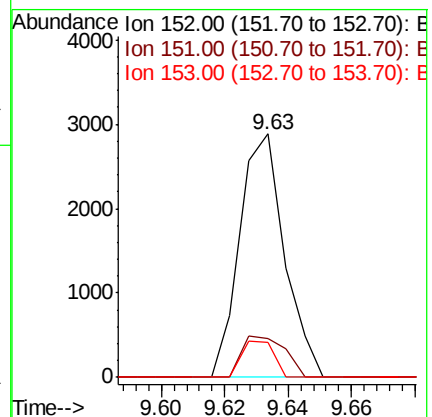
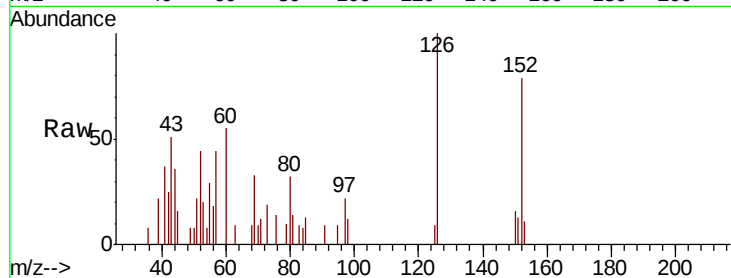
Tgt Ion:152 Resp: 2811

Ion Ratio Lower Upper

152 100

151 16.2 16.9 25.3#

153 14.5 11.0 16.6



#50

Dimethylphthalate

Concen: 5.043 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

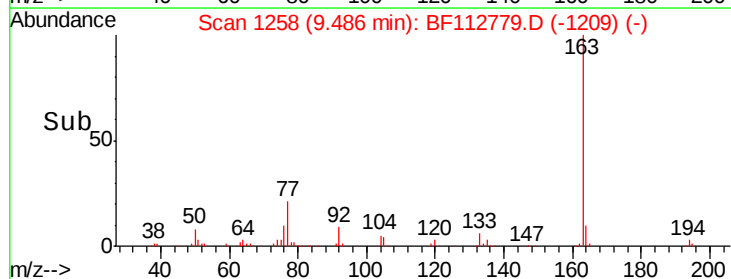
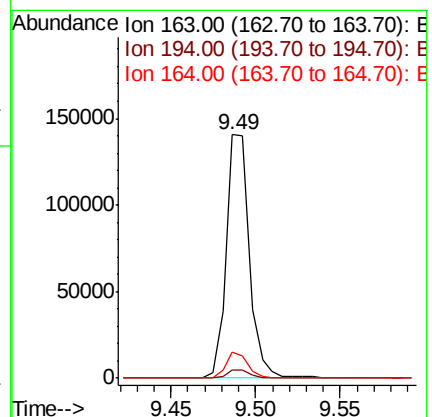
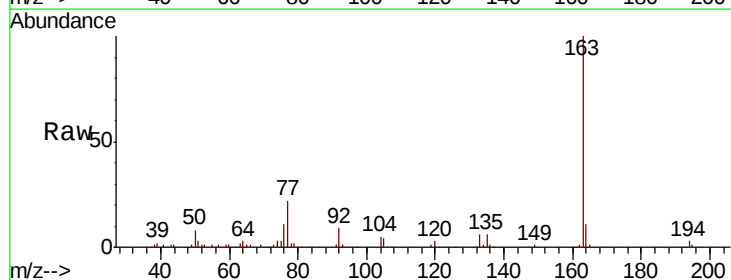
Tgt Ion:163 Resp: 134087

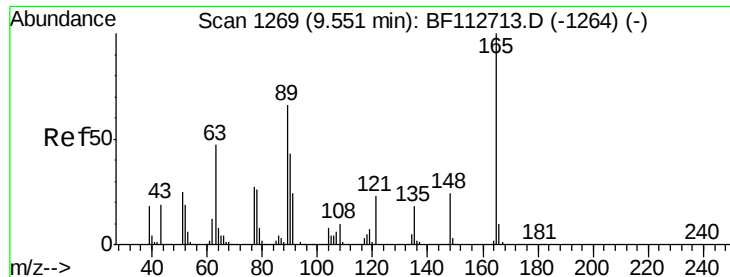
Ion Ratio Lower Upper

163 100

194 3.4 3.0 4.4

164 10.6 8.4 12.6

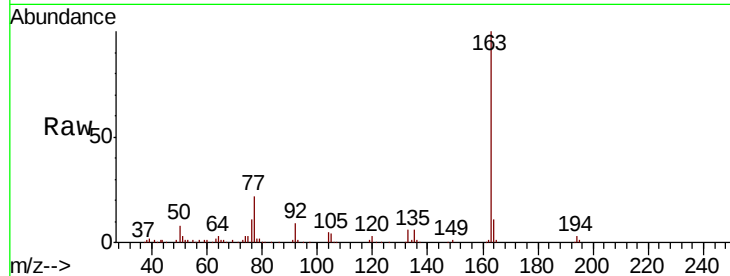




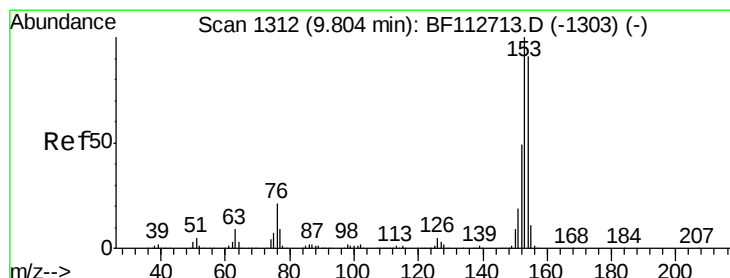
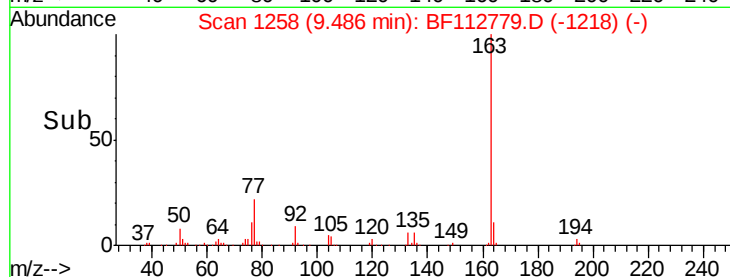
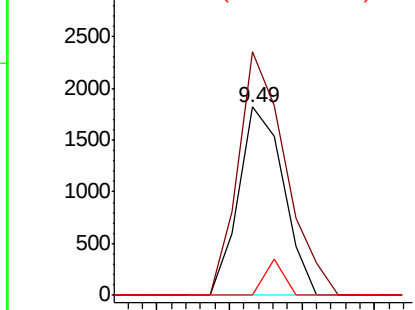
#51
 2,6-Dinitrotoluene
 Concen: 0.281 ng
 RT: 9.49 min Scan# 1258
 Delta R.T. -0.06 min
 Lab File: BF112779.D
 Acq: 28 Feb 2019 23:33

Instrument :
 BNA_F
 ClientSampleId :
 351-281

Tgt Ion:165 Resp: 1557
 Ion Ratio Lower Upper
 165 100
 63 129.4 54.1 81.1#
 89 0.0 52.8 79.2#

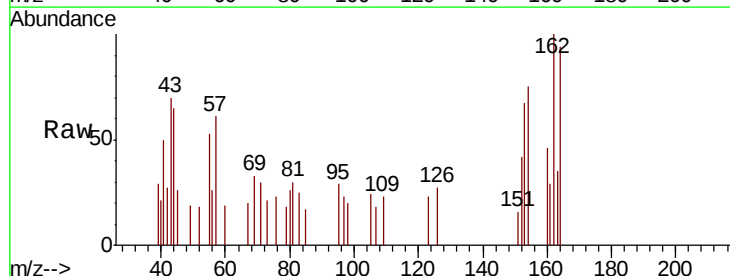


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

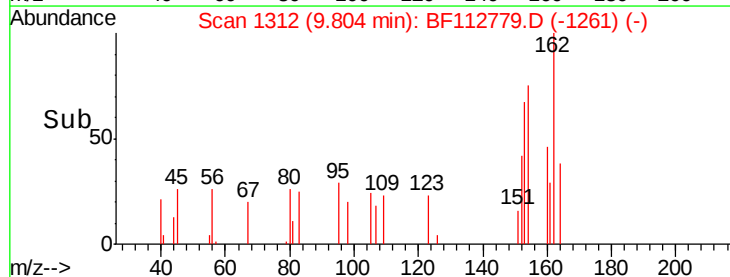
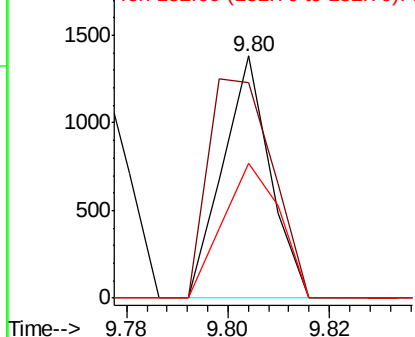


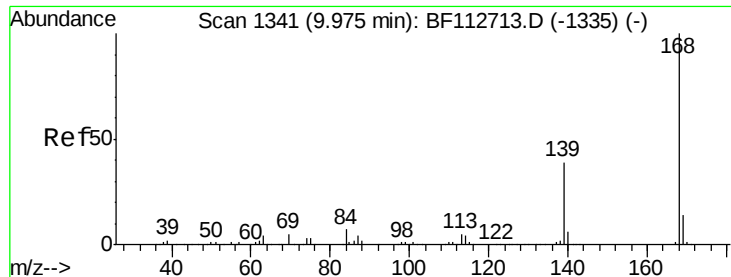
#52
 Acenaphthene
 Concen: 0.039 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. 0.00 min
 Lab File: BF112779.D
 Acq: 28 Feb 2019 23:33

Tgt Ion:154 Resp: 897
 Ion Ratio Lower Upper
 154 100
 153 88.8 87.8 131.8
 152 55.8 43.0 64.6



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

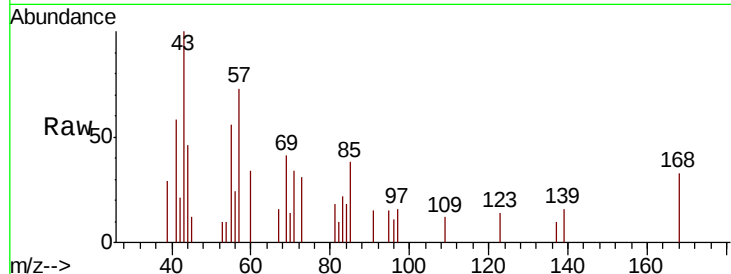




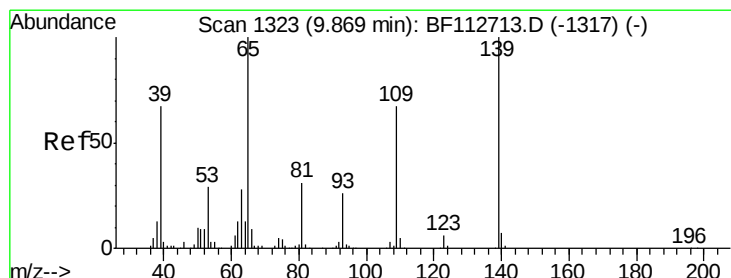
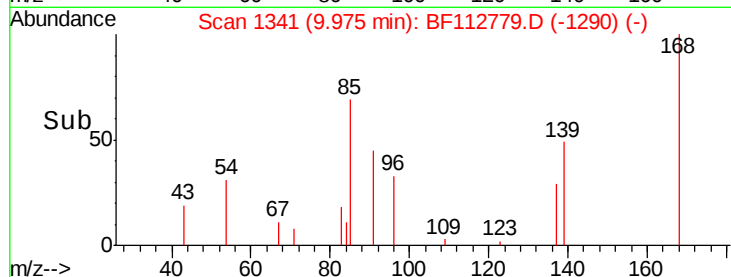
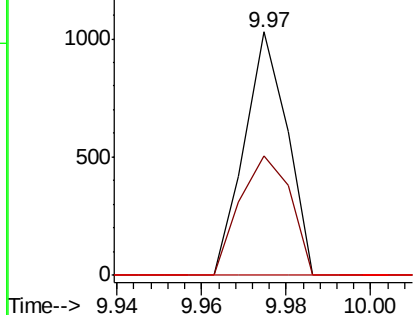
#55
Dibenzenofuran
Concen: 0.022 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BF112779.D
Acq: 28 Feb 2019 23:33

Instrument :
BNA_F
ClientSampleId :
351-281

Tgt Ion:168 Resp: 725
Ion Ratio Lower Upper
168 100
139 49.2 31.3 46.9#
169 0.0 11.3 16.9#

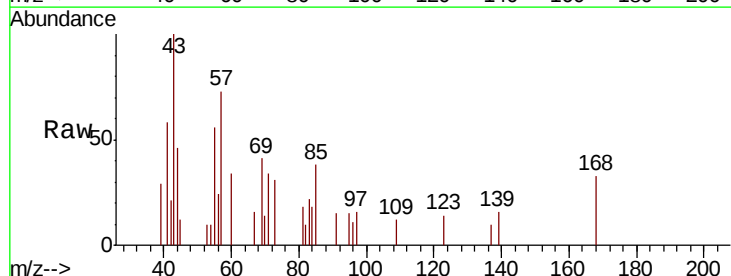


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

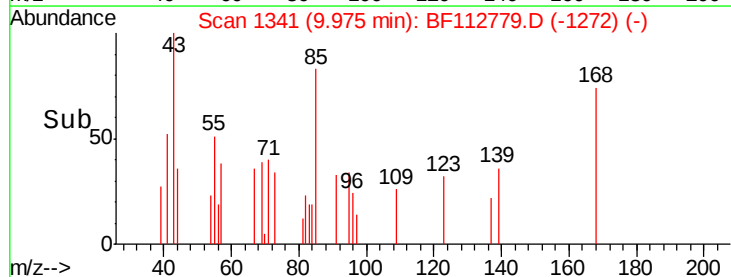
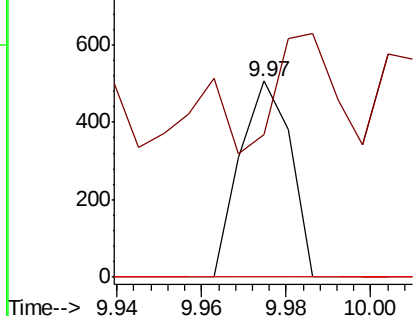


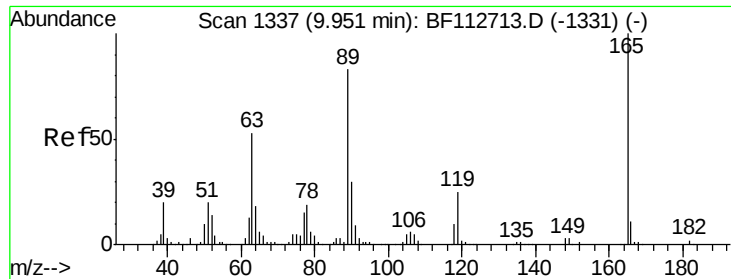
#56
4-Nitrophenol
Concen: 0.077 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.11 min
Lab File: BF112779.D
Acq: 28 Feb 2019 23:33

Tgt Ion:139 Resp: 423
Ion Ratio Lower Upper
139 100
109 72.9 46.8 86.8
65 0.0 80.7 120.7#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

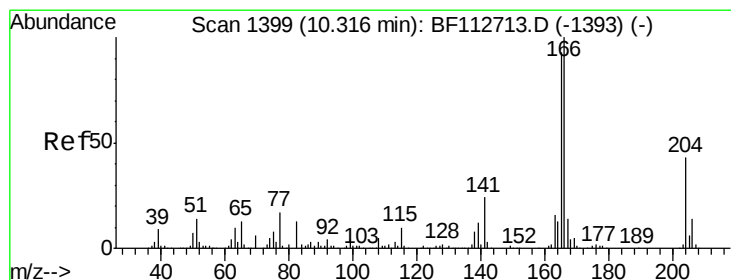
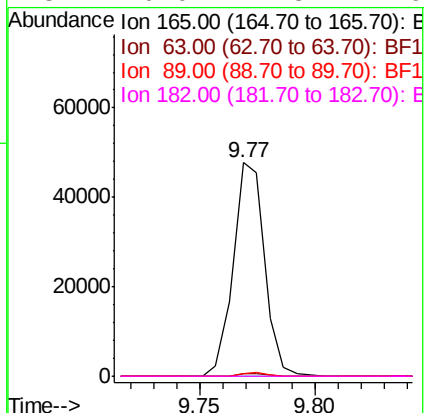
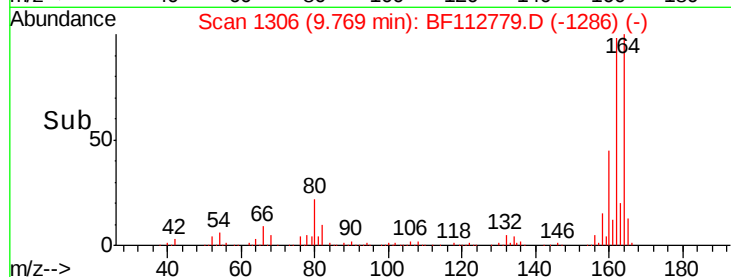
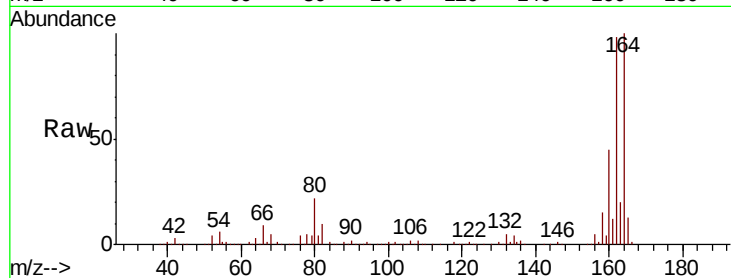




#57
2,4-Dinitrotoluene
Concen: 6.570 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.18 min
Lab File: BF112779.D
Acq: 28 Feb 2019 23:33

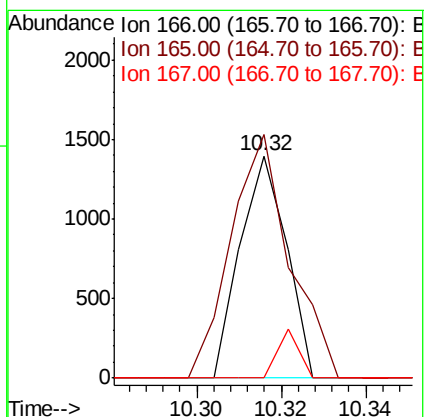
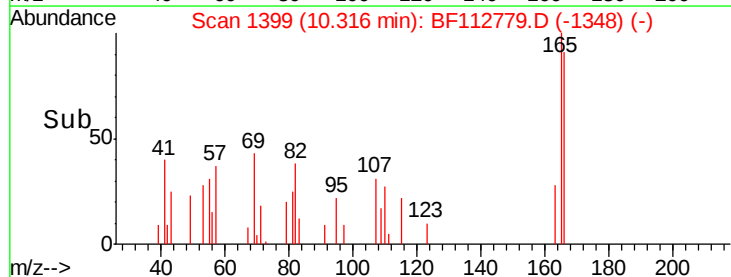
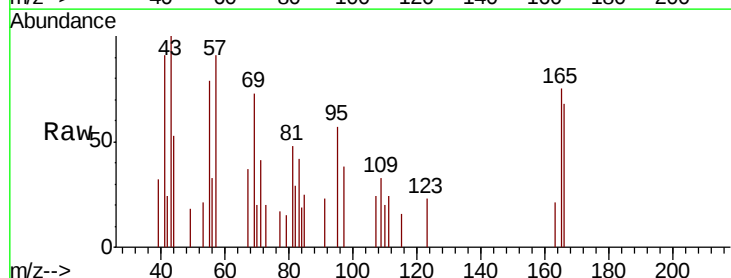
Instrument :
BNA_F
ClientSampleId :
351-281

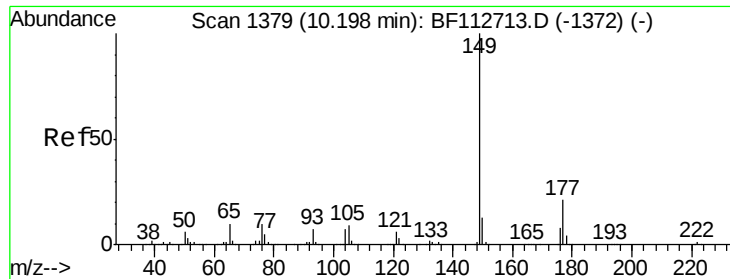
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	42.2	63.2#
89	1.4	66.2	99.4#
182	0.0	1.8	2.6#



#58
Fluorene
Concen: 0.045 ng
RT: 10.32 min Scan# 1399
Delta R.T. 0.00 min
Lab File: BF112779.D
Acq: 28 Feb 2019 23:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	109.7	74.7	112.1
167	0.0	11.0	16.6#

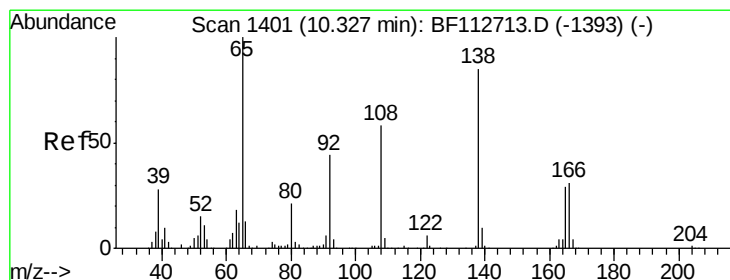
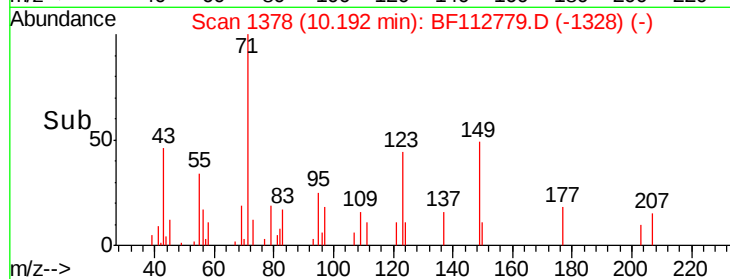
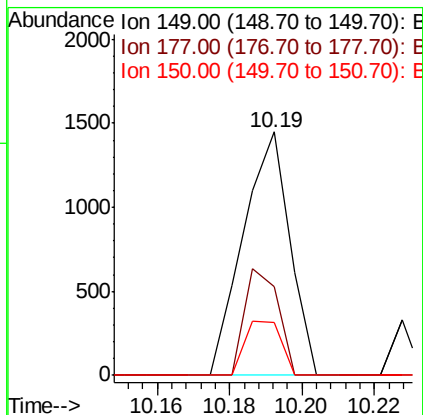
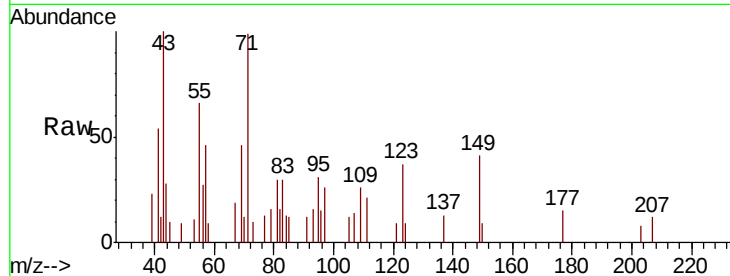




#60
Diethylphthalate
Concen: 0.047 ng
RT: 10.19 min Scan# 1378
Delta R.T. -0.01 min
Lab File: BF112779.D
Acq: 28 Feb 2019 23:33

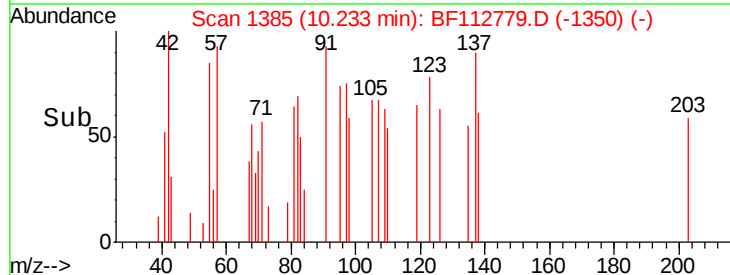
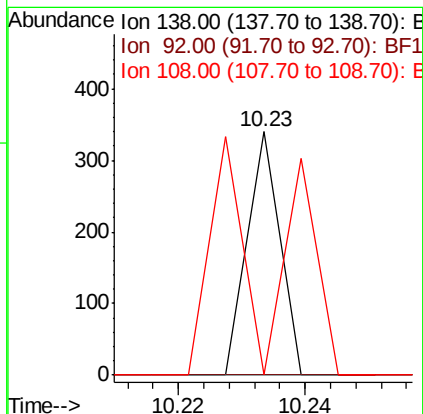
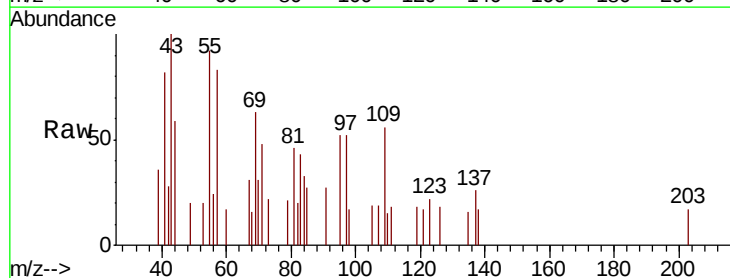
Instrument :
BNA_F
ClientSampleId :
351-281

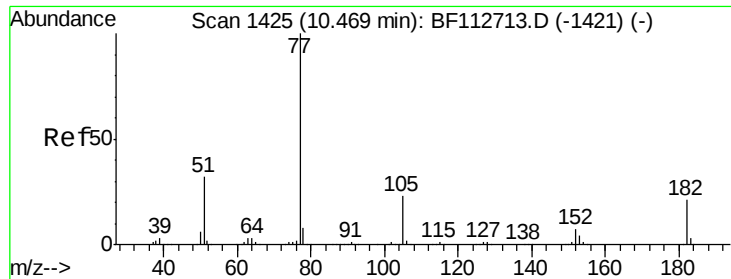
Tgt Ion:149 Resp: 1307
Ion Ratio Lower Upper
149 100
177 36.6 17.0 25.6#
150 21.5 10.0 15.0#



#62
4-Nitroaniline
Concen: 0.019 ng
RT: 10.23 min Scan# 1385
Delta R.T. -0.09 min
Lab File: BF112779.D
Acq: 28 Feb 2019 23:33

Tgt Ion:138 Resp: 120
Ion Ratio Lower Upper
138 100
92 0.0 31.3 71.3#
108 0.0 48.1 88.1#





#63

Azobenzene

Concen: 0.017 ng

RT: 10.48 min Scan# 1427

Delta R.T. 0.01 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

Instrument :

BNA_F

ClientSampleId :

351-281

Tgt Ion: 77 Resp: 493

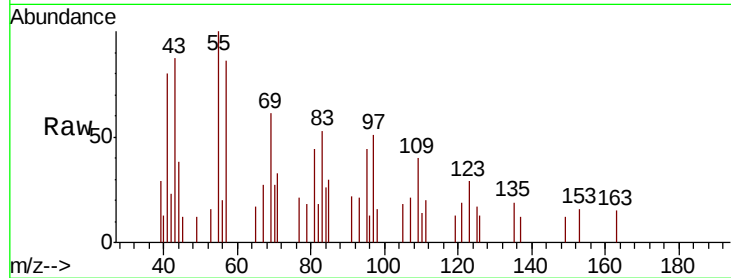
Ion Ratio Lower Upper

77 100

182 0.0 1.4 41.4#

105 86.6 2.6 42.6#

51 0.0 12.0 52.0#

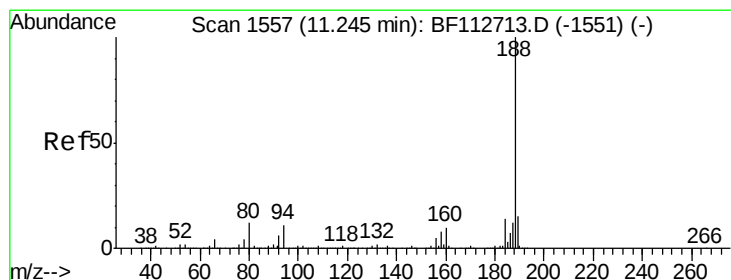
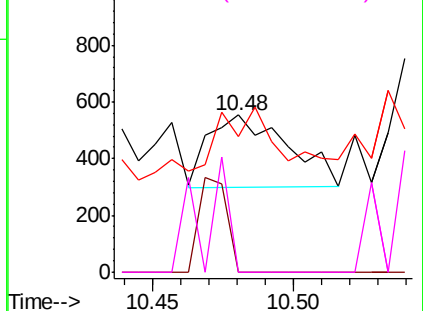
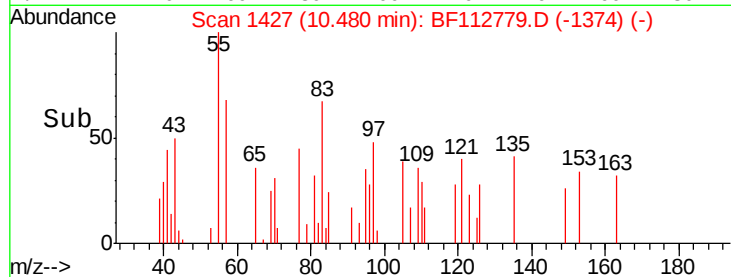


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

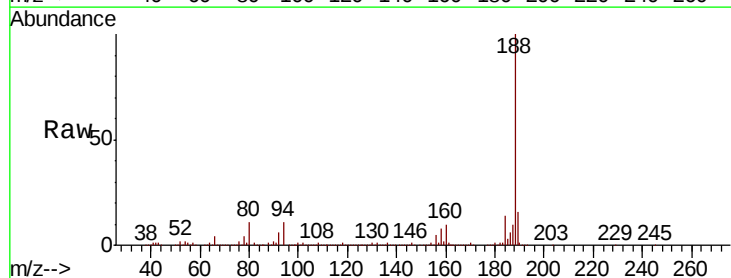
Tgt Ion: 188 Resp: 570962

Ion Ratio Lower Upper

188 100

94 10.9 9.0 13.4

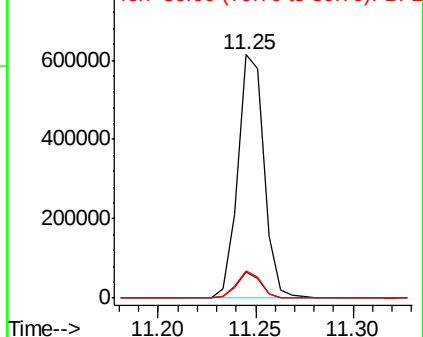
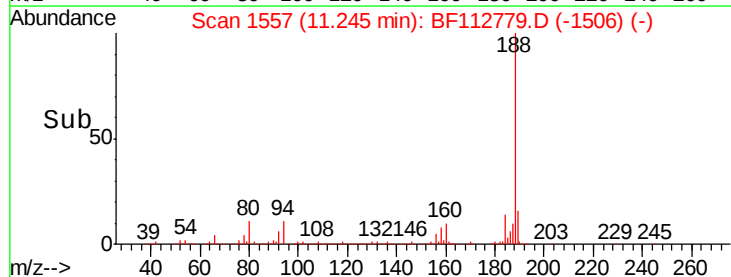
80 11.2 9.2 13.8

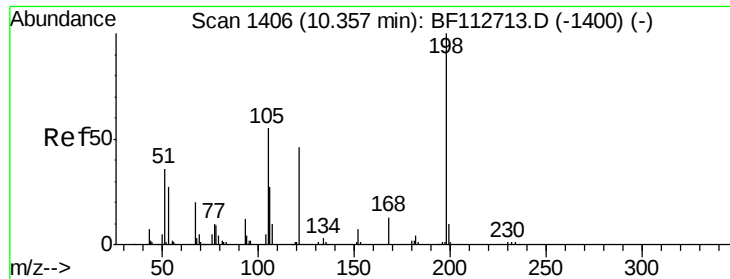


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

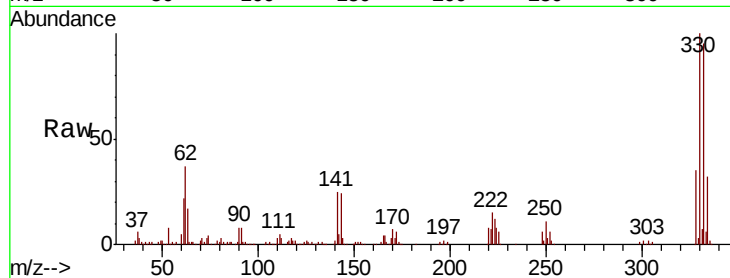




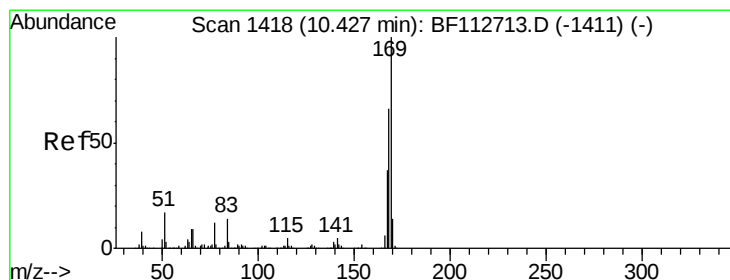
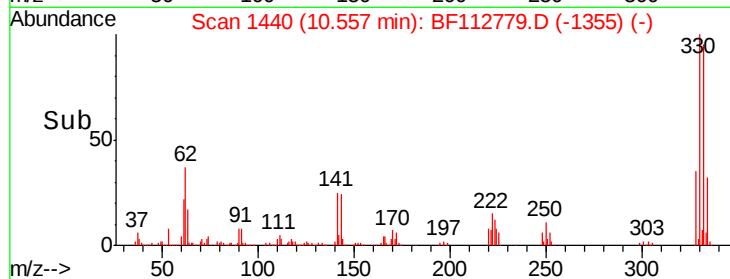
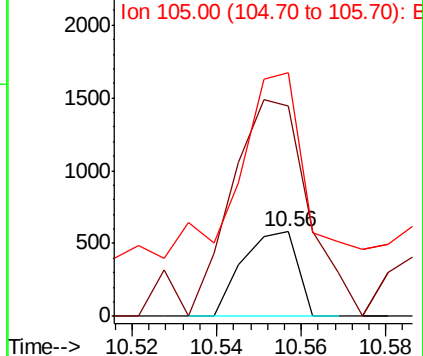
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.813 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.20 min
 Lab File: BF112779.D
 Acq: 28 Feb 2019 23:33

Instrument :
 BNA_F
 ClientSampleId :
 351-281

Tgt Ion:198 Resp: 521
 Ion Ratio Lower Upper
 198 100
 51 249.1 43.8 83.8#
 105 288.3 36.5 76.5#

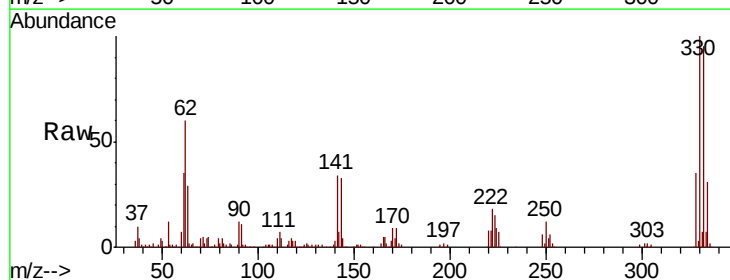


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

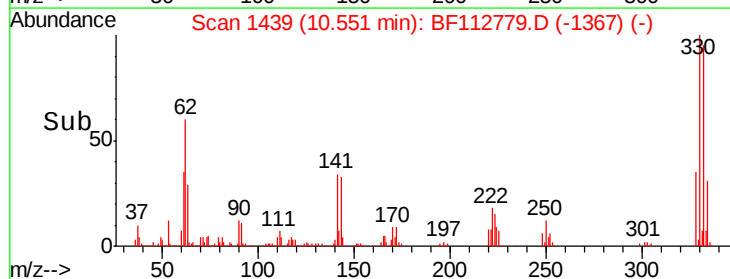
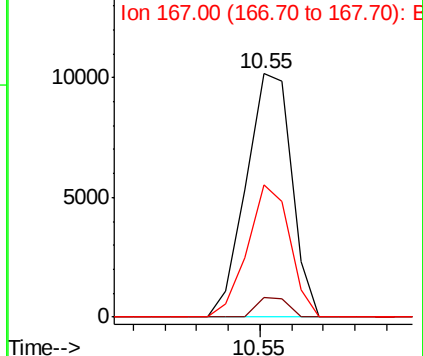


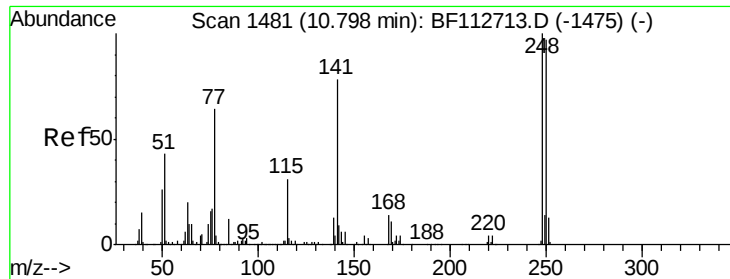
#66
 n-Nitrosodiphenylamine
 Concen: 0.554 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.12 min
 Lab File: BF112779.D
 Acq: 28 Feb 2019 23:33

Tgt Ion:169 Resp: 10149
 Ion Ratio Lower Upper
 169 100
 168 8.2 53.0 79.6#
 167 62.3 29.3 43.9#



Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

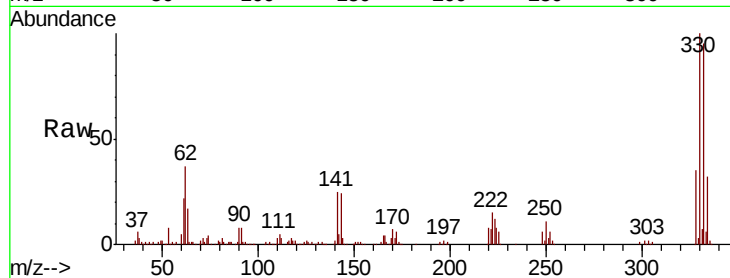




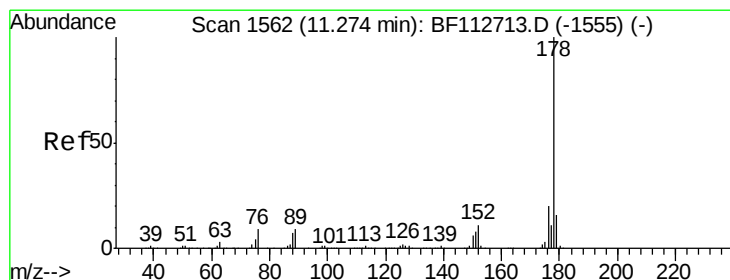
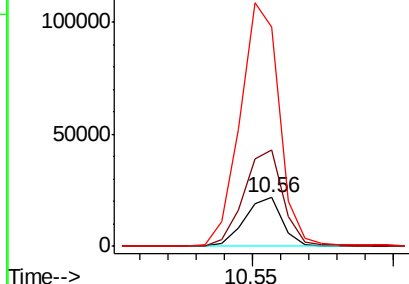
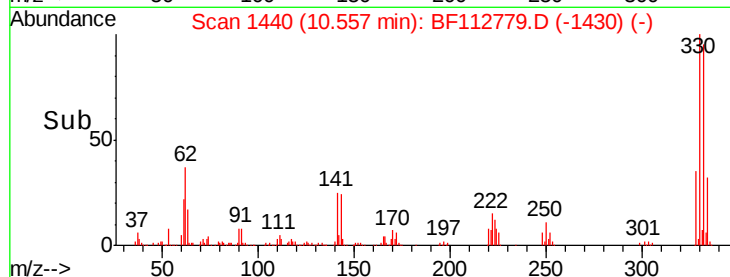
#67
4-Bromophenyl-phenylether
Concen: 3.359 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.24 min
Lab File: BF112779.D
Acq: 28 Feb 2019 23:33

Instrument :
BNA_F
ClientSampleId :
351-281

Tgt Ion:248 Resp: 20199
Ion Ratio Lower Upper
248 100
250 196.4 77.5 116.3#
141 448.3 62.4 93.6#

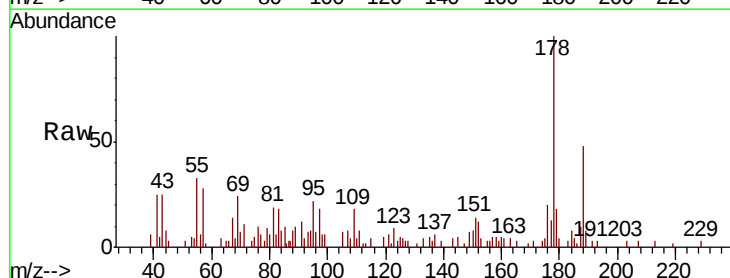


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

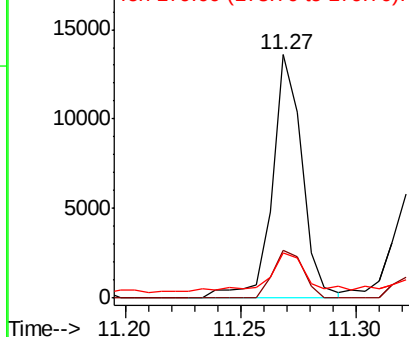
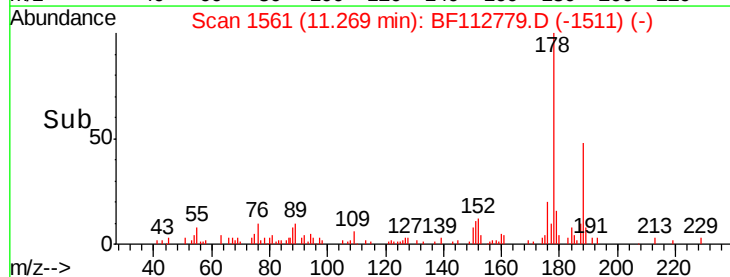


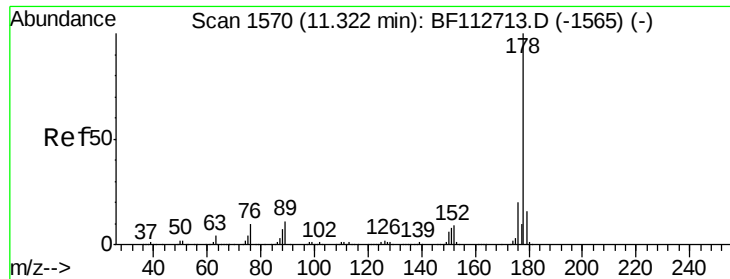
#71
Phenanthrene
Concen: 0.427 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF112779.D
Acq: 28 Feb 2019 23:33

Tgt Ion:178 Resp: 12134
Ion Ratio Lower Upper
178 100
176 19.6 16.3 24.5
179 18.3 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

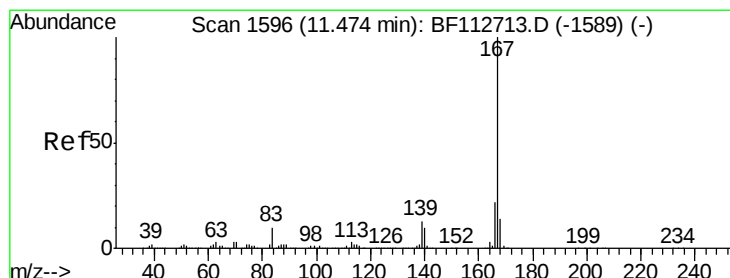
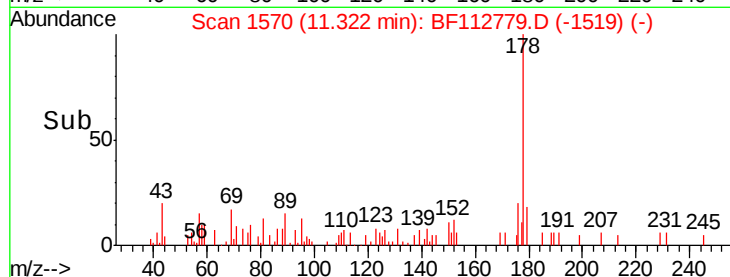
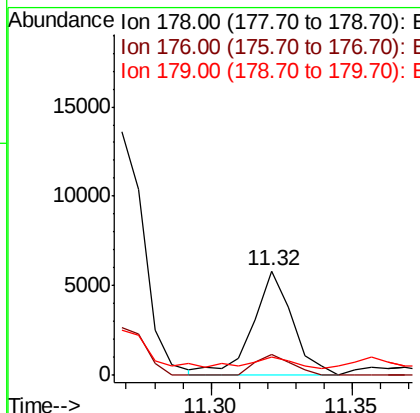
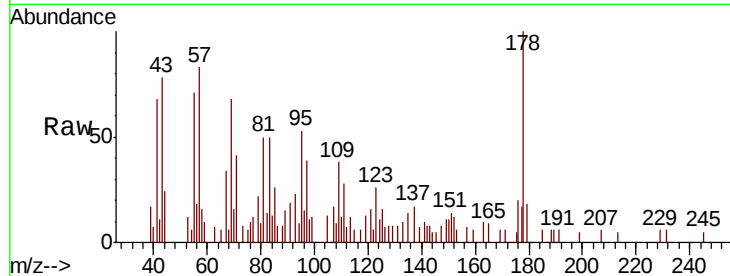




#72
 Anthracene
 Concen: 0.191 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF112779.D
 Acq: 28 Feb 2019 23:33

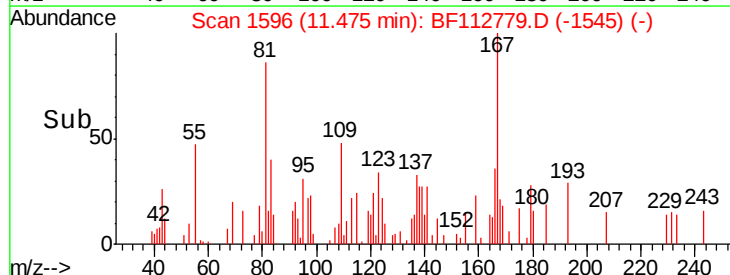
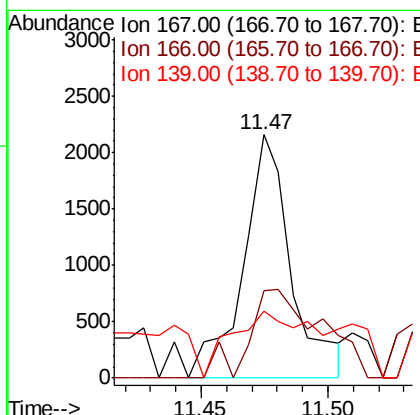
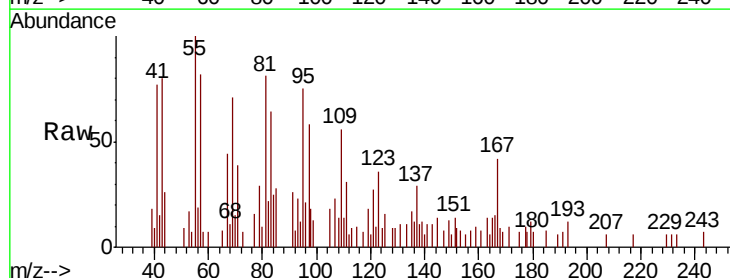
Instrument :
 BNA_F
 ClientSampleId :
 351-281

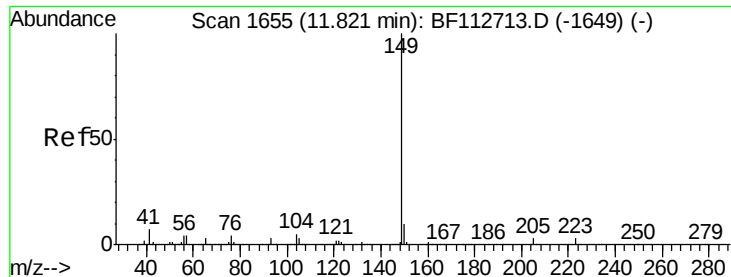
Tgt Ion:178 Resp: 5680
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.8 23.6
 179 18.1 13.0 19.6



#73
 Carbazole
 Concen: 0.099 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: BF112779.D
 Acq: 28 Feb 2019 23:33

Tgt Ion:167 Resp: 2864
 Ion Ratio Lower Upper
 167 100
 166 35.7 17.5 26.3#
 139 27.5 10.8 16.2#





#74

Di-n-butylphthalate

Concen: 0.199 ng

RT: 11.82 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

Instrument :

BNA_F

ClientSampleId :

351-281

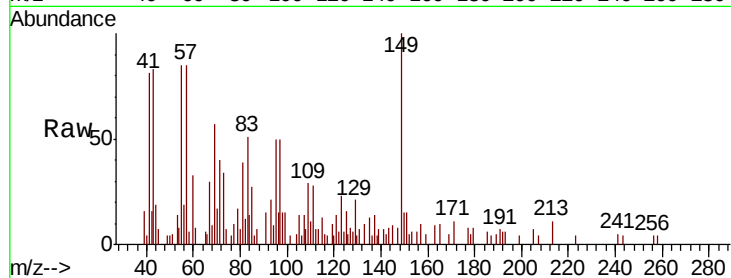
Tgt Ion:149 Resp: 6914

Ion Ratio Lower Upper

149 100

150 15.2 7.6 11.4#

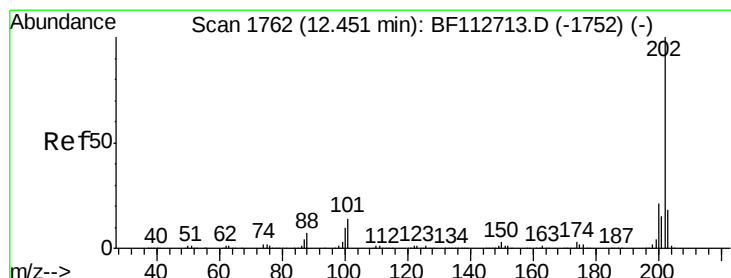
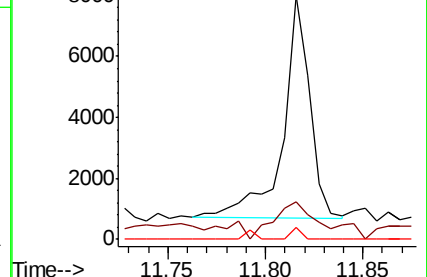
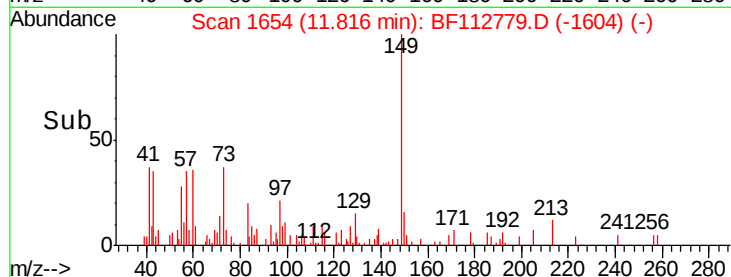
104 4.7 3.7 5.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 1.236 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

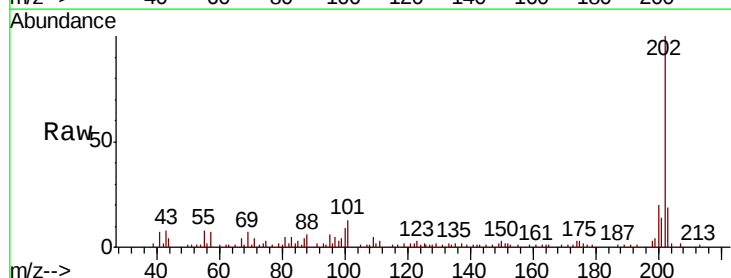
Tgt Ion:202 Resp: 37609

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.8

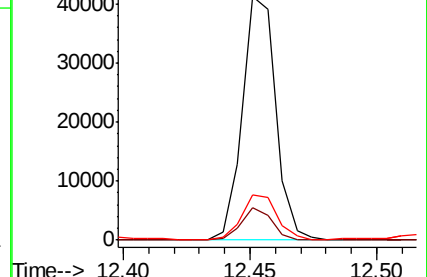
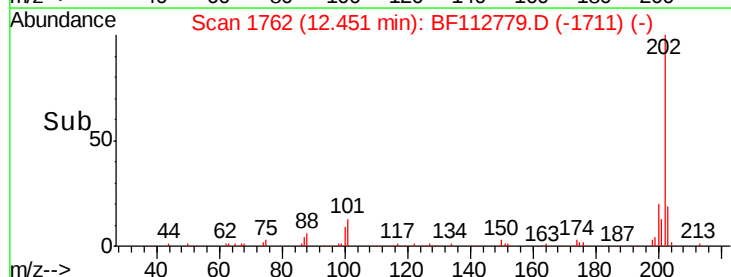
203 18.7 0.0 38.4

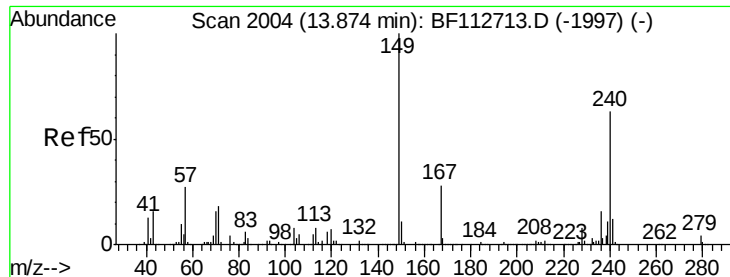


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

Instrument :

BNA_F

ClientSampleId :

351-281

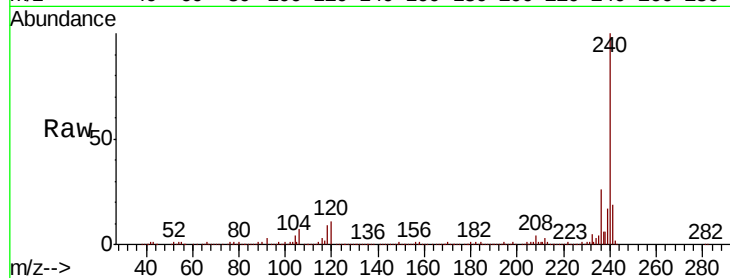
Tgt Ion:240 Resp: 505840

Ion Ratio Lower Upper

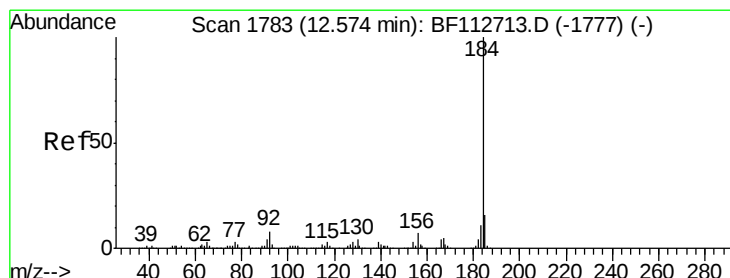
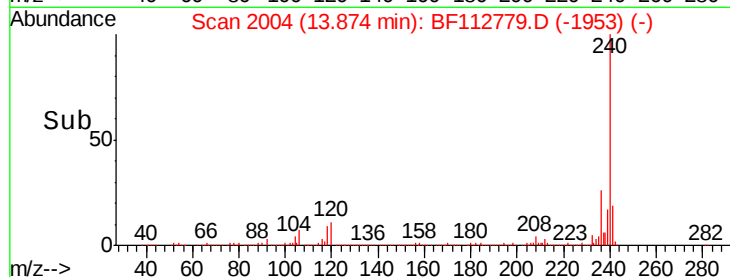
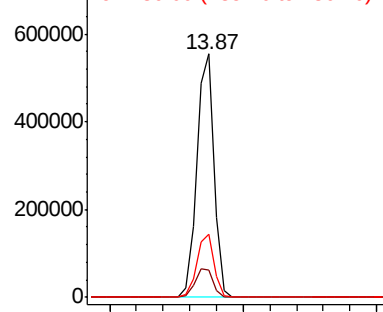
240 100

120 11.1 8.9 13.3

236 26.1 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 0.016 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.14 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

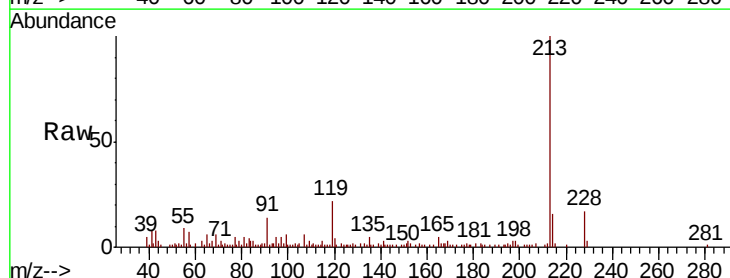
Tgt Ion:184 Resp: 409

Ion Ratio Lower Upper

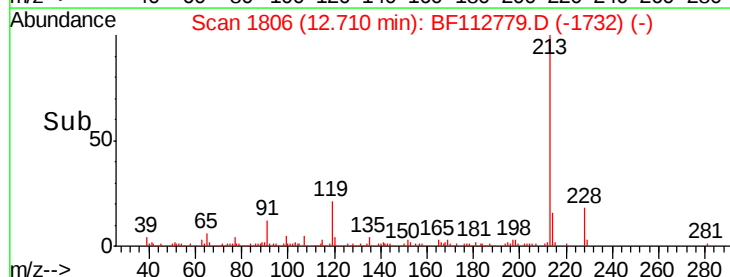
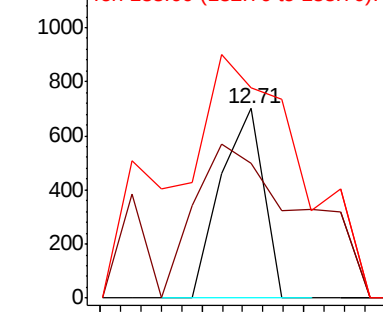
184 100

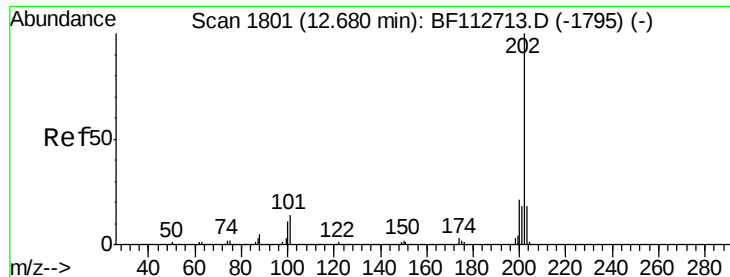
185 71.3 12.6 18.8#

183 110.7 8.6 12.8#



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

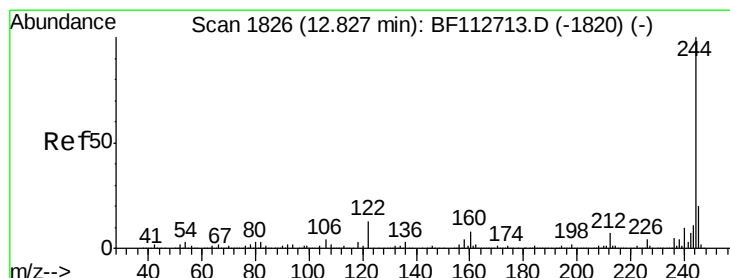
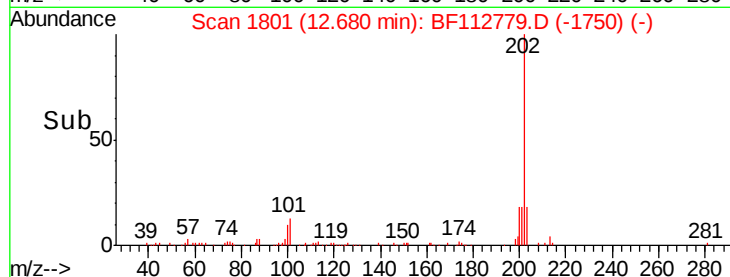
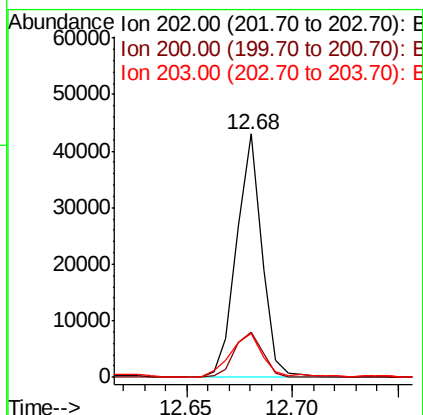
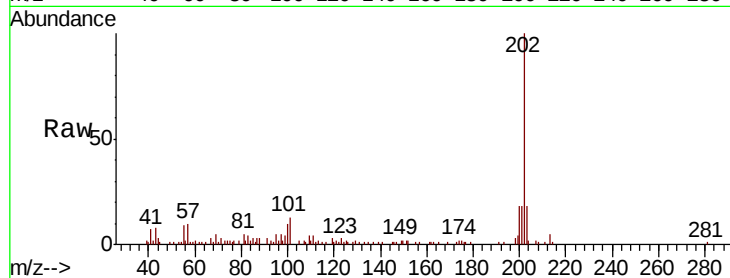




#78
Pyrene
Concen: 0.837 ng
RT: 12.68 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BF112779.D
Acq: 28 Feb 2019 23:33

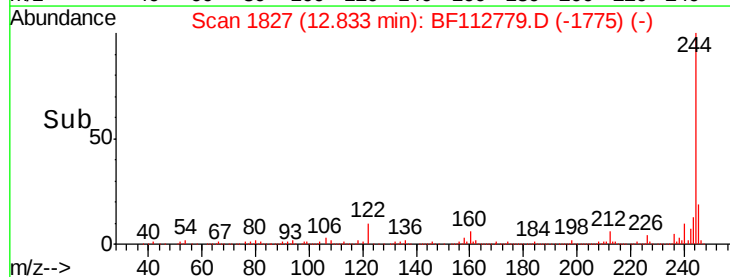
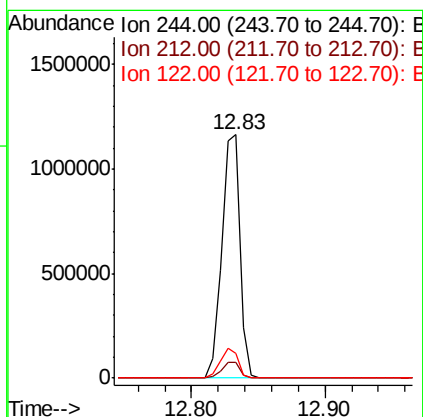
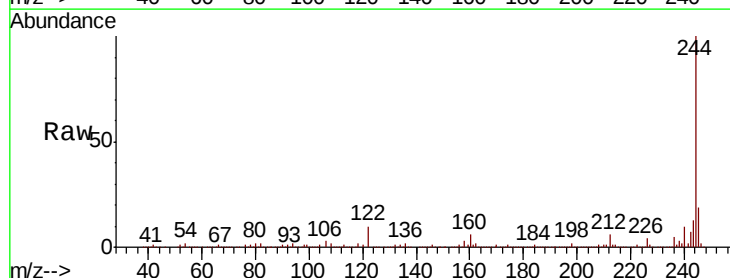
Instrument :
BNA_F
ClientSampleId :
351-281

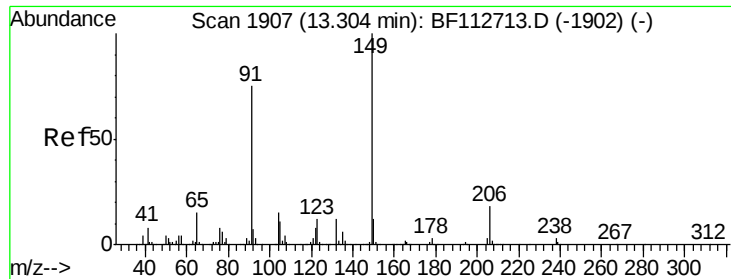
Tgt Ion: 202 Resp: 35683
Ion Ratio Lower Upper
202 100
200 18.4 17.0 25.4
203 18.1 14.4 21.6



#79
Terphenyl-d14
Concen: 42.994 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF112779.D
Acq: 28 Feb 2019 23:33

Tgt Ion: 244 Resp: 1121912
Ion Ratio Lower Upper
244 100
212 6.3 5.6 8.4
122 9.9 10.5 15.7#





#80

Butylbenzylphthalate

Concen: 0.038 ng

RT: 13.28 min Scan# 1903

Delta R.T. -0.02 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

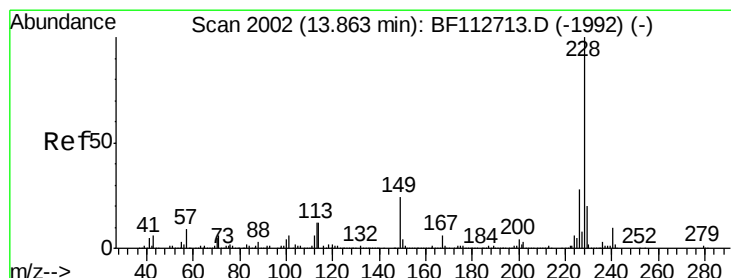
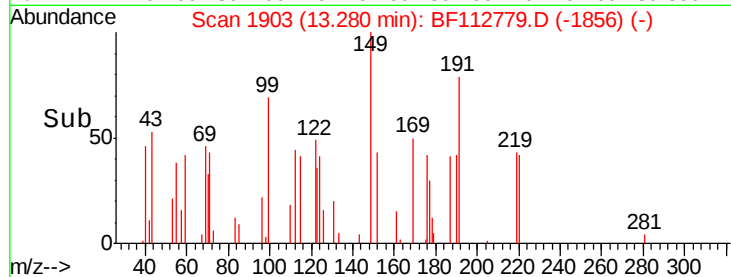
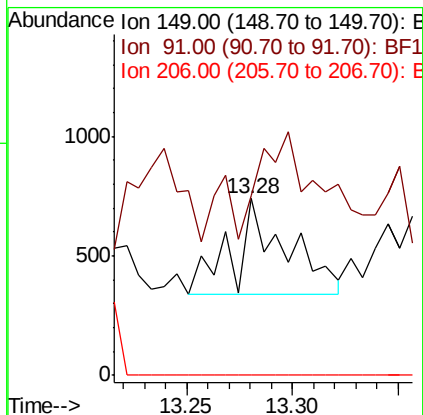
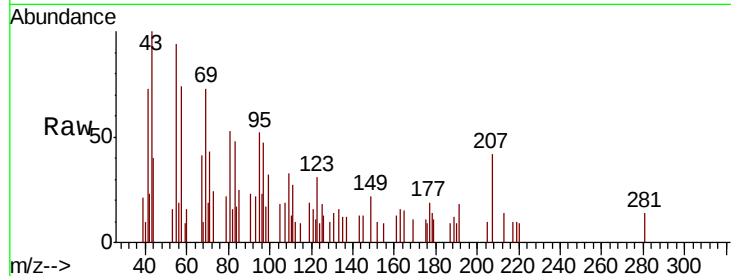
Instrument :

BNA_F

ClientSampled :

351-281

Tgt Ion:	149	Resp:	714
Ion Ratio	Lower	Upper	
149	100		
91	101.6	59.9	89.9#
206	0.0	14.7	22.1#



#81

Benzo(a)anthracene

Concen: 0.634 ng

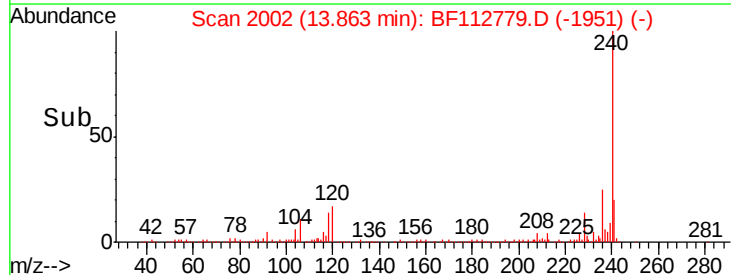
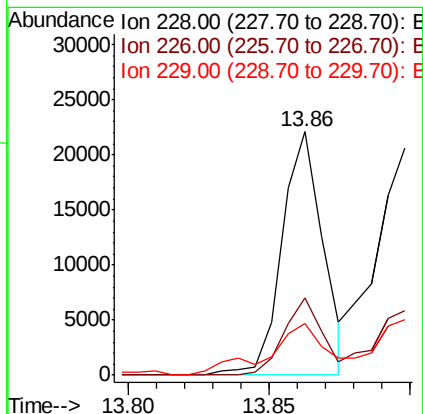
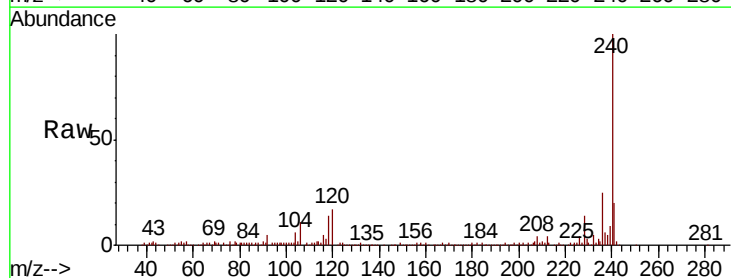
RT: 13.86 min Scan# 2002

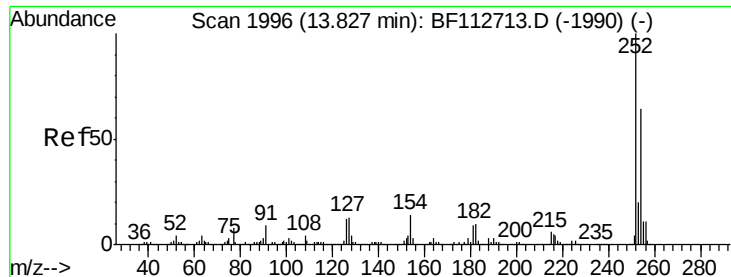
Delta R.T. 0.00 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

Tgt Ion:	228	Resp:	22229
Ion Ratio	Lower	Upper	
228	100		
226	31.7	22.2	33.4
229	21.3	16.0	24.0





#82

3,3'-Dichlorobenzidine

Concen: 0.009 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.17 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

Instrument :

BNA_F

ClientSampled :

351-281

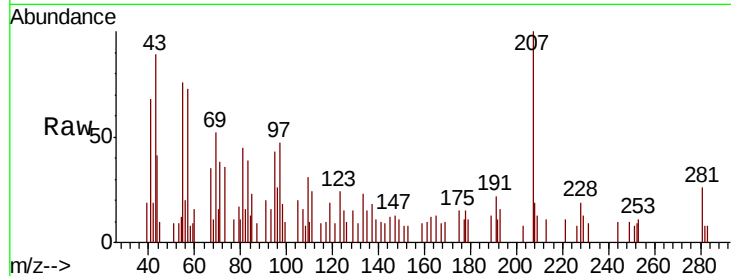
Tgt Ion:252 Resp: 115

Ion Ratio Lower Upper

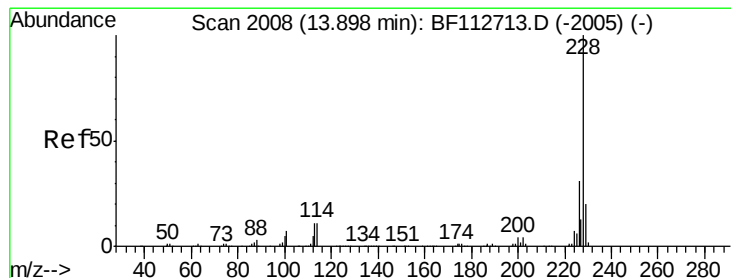
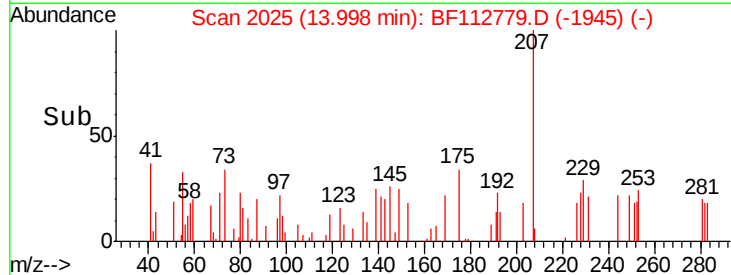
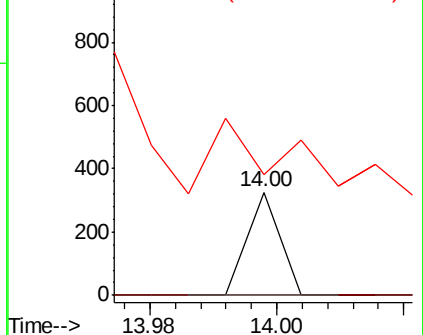
252 100

254 0.0 51.1 76.7#

126 117.5 9.9 14.9#



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: 0.647 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.04 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

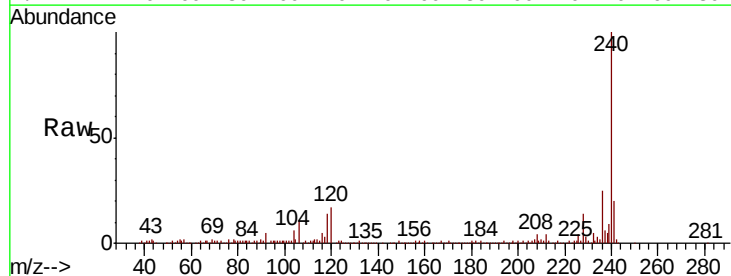
Tgt Ion:228 Resp: 22229

Ion Ratio Lower Upper

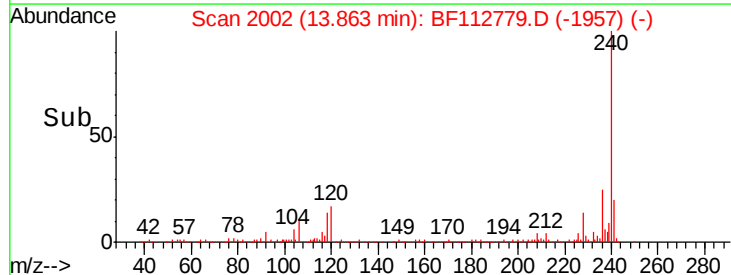
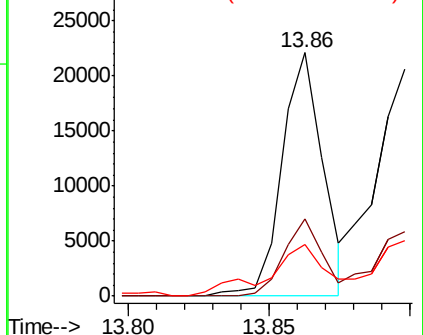
228 100

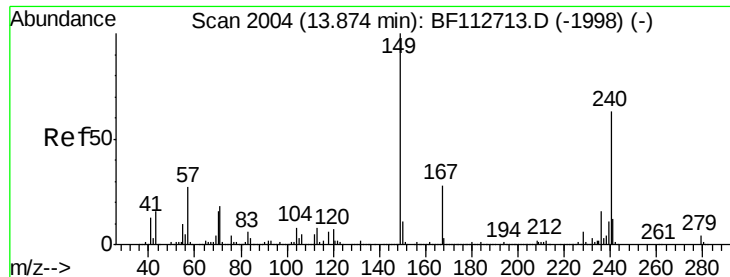
226 31.7 24.9 37.3

229 21.3 16.3 24.5



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.144 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

Instrument :

BNA_F

ClientSampleId :

351-281

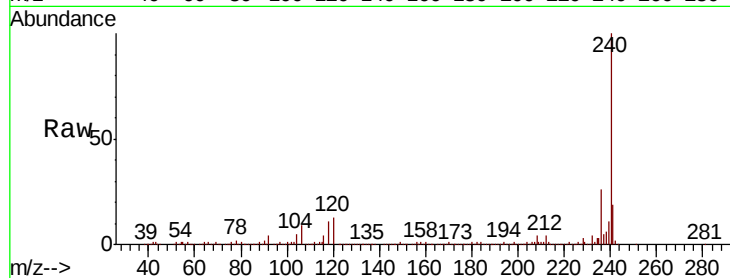
Tgt Ion:149 Resp: 3186

Ion Ratio Lower Upper

149 100

167 39.9 22.4 33.6#

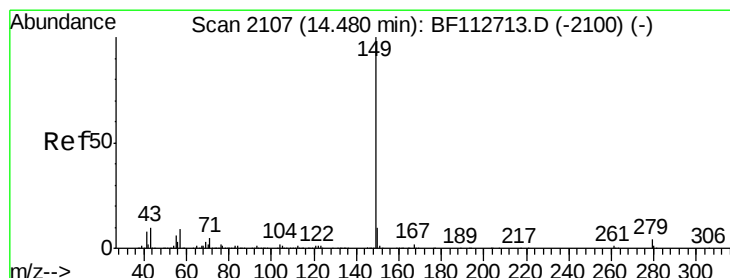
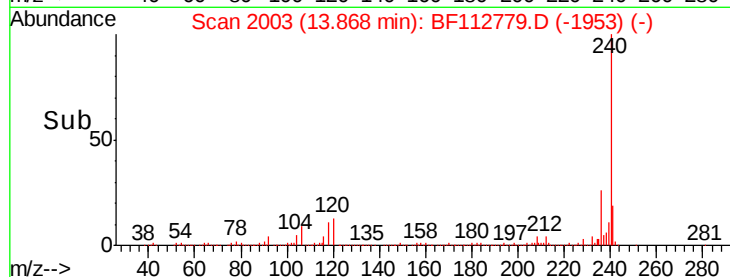
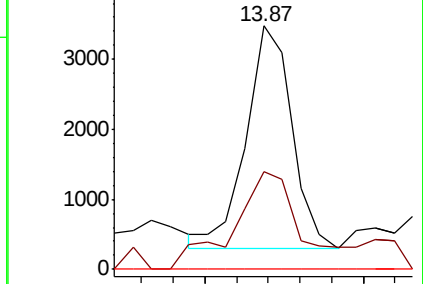
279 0.0 3.3 4.9#



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



#85

Di-n-octyl phthalate

Concen: 0.008 ng

RT: 14.48 min Scan# 2107

Delta R.T. 0.00 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

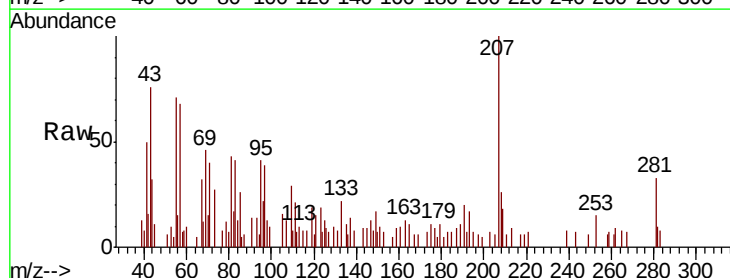
Tgt Ion:149 Resp: 301

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

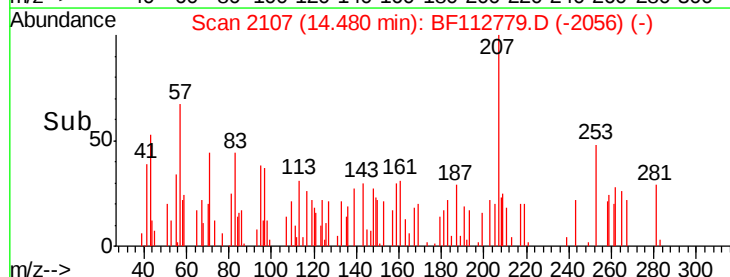
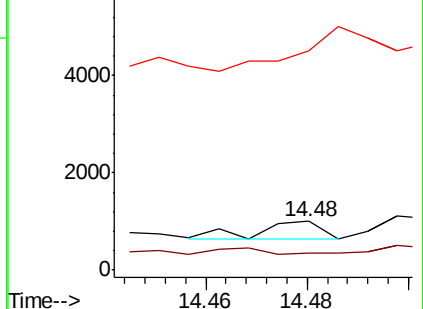
43 484.1 9.0 13.4#

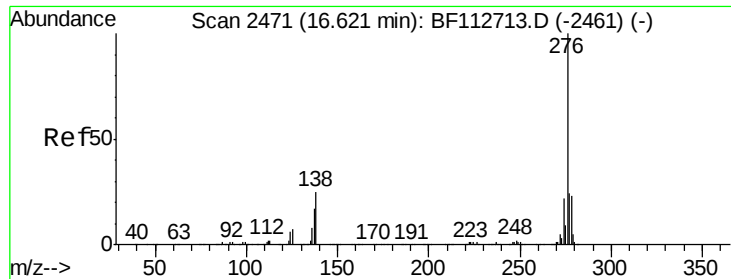


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#86

Indeno(1,2,3-cd)pyrene

Concen: 0.501 ng

RT: 16.63 min Scan# 2473

Delta R.T. 0.01 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

Instrument :

BNA_F

ClientSampleId :

351-281

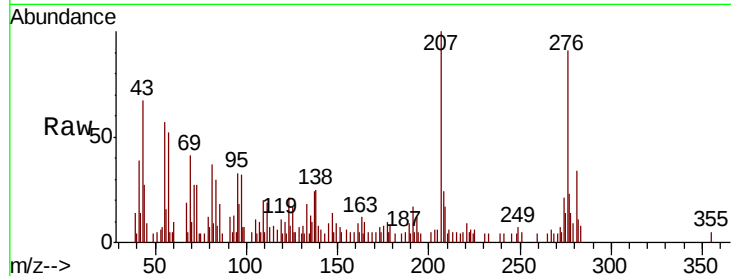
Tgt Ion:276 Resp: 14654

Ion Ratio Lower Upper

276 100

138 31.9 23.2 34.8

277 28.5 19.9 29.9

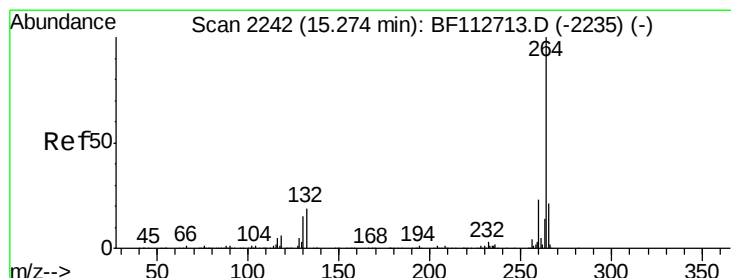
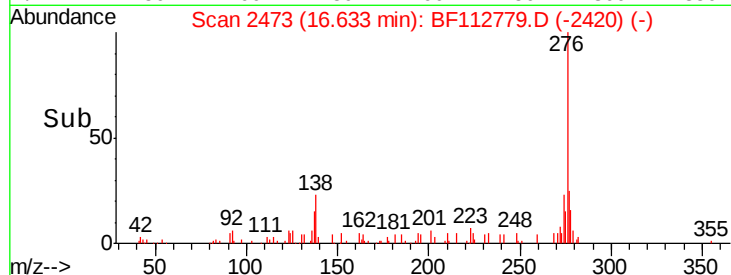
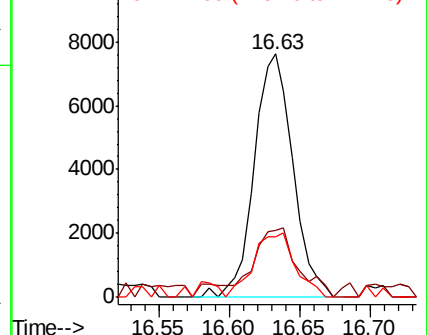


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

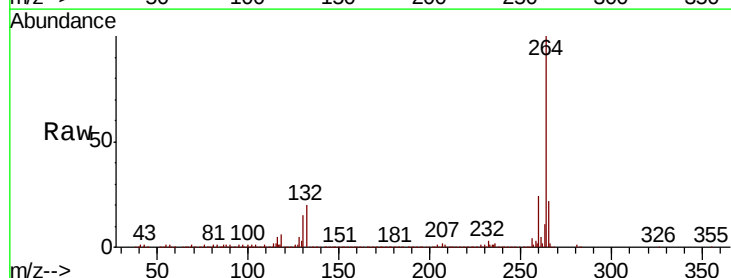
Tgt Ion:264 Resp: 561410

Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 22.1 17.2 25.8

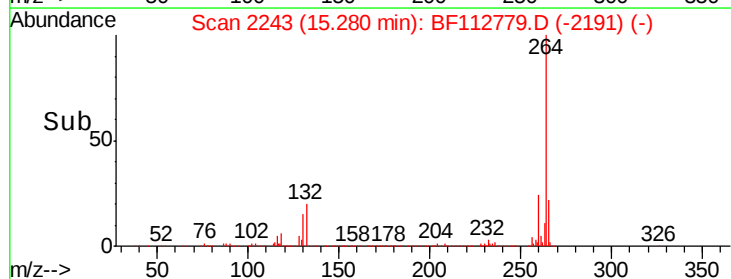
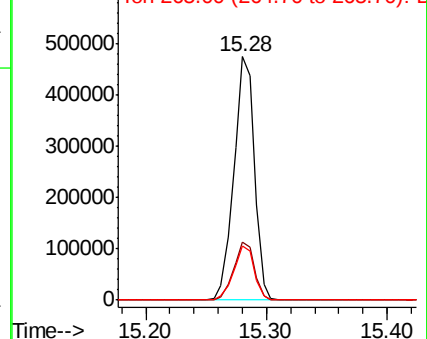


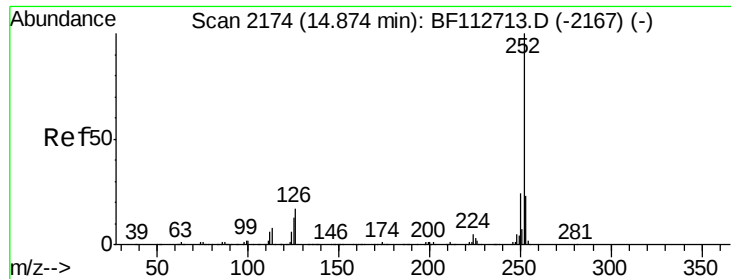
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

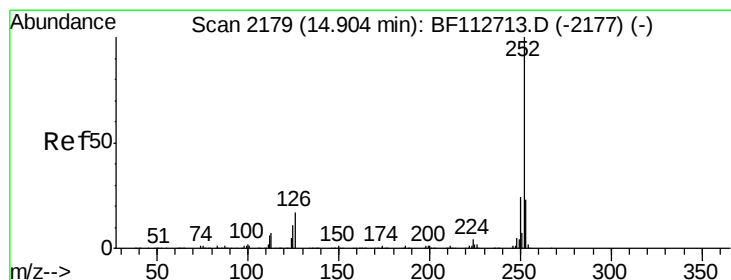
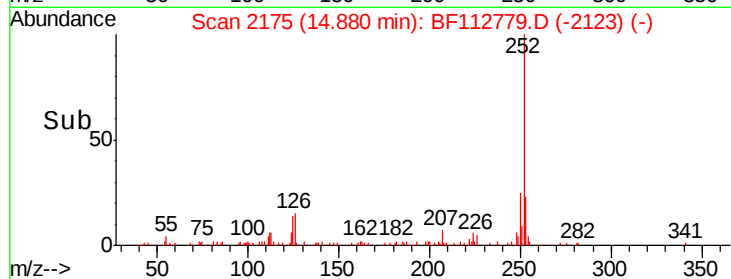
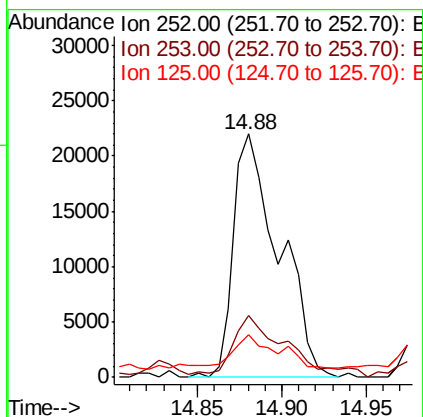
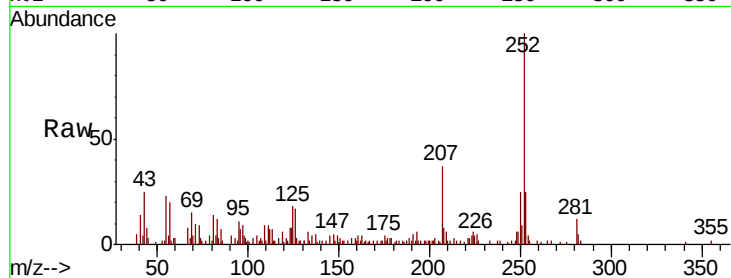




#88
Benzo(b)fluoranthene
Concen: 1.137 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF112779.D
Acq: 28 Feb 2019 23:33

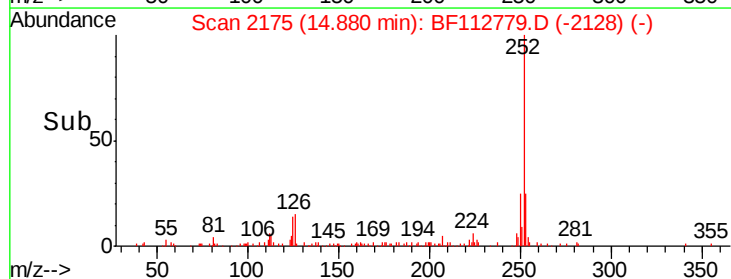
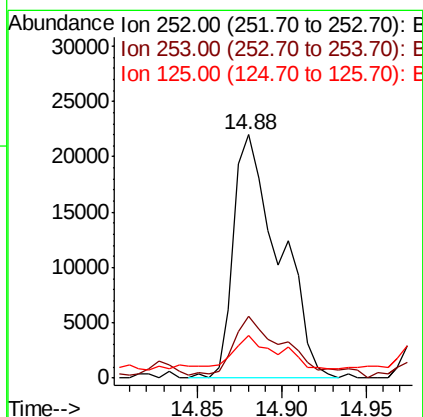
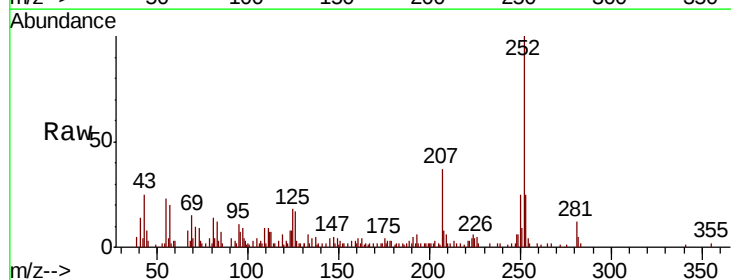
Instrument :
BNA_F
ClientSampleId :
351-281

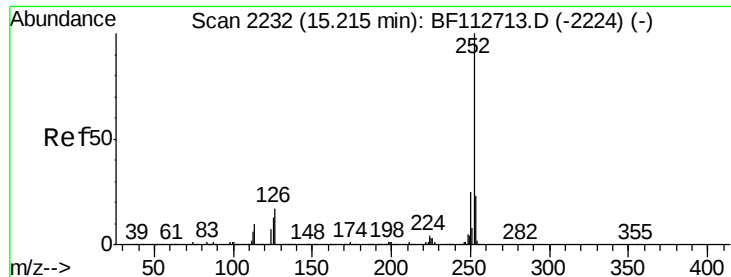
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.0	27.0
125	17.7	10.2	15.2



#89
Benzo(k)fluoranthene
Concen: 1.255 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF112779.D
Acq: 28 Feb 2019 23:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.2	27.2
125	17.7	9.8	14.6





#90

Benzo(a)pyrene

Concen: 0.701 ng

RT: 15.22 min Scan# 2233

Delta R.T. 0.01 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

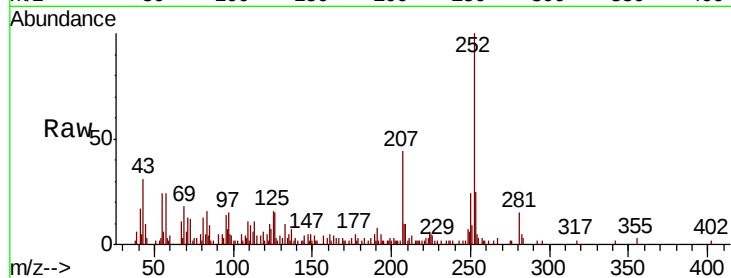
Instrument :

BNA_F

ClientSampleId :

351-281

Tgt Ion:	252	Resp:	22532
Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.0	27.0
125	16.2	10.7	16.1#

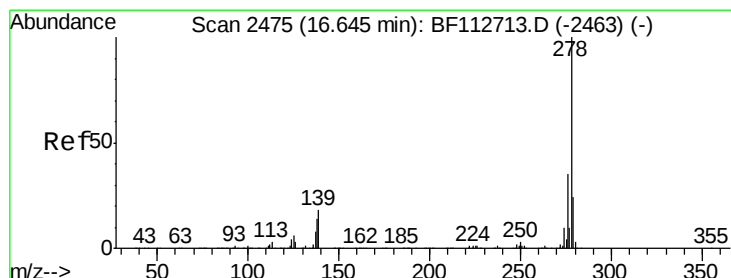
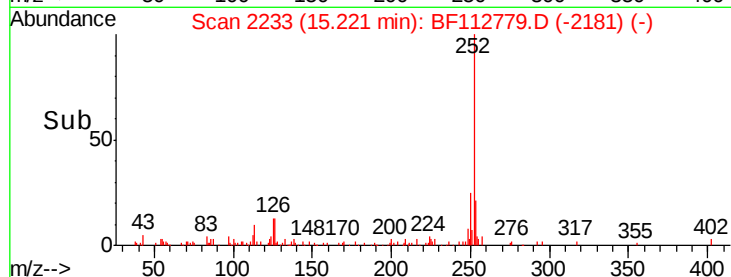
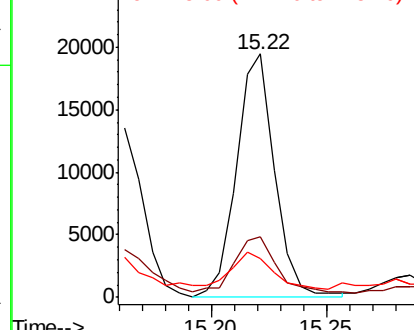


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 0.147 ng

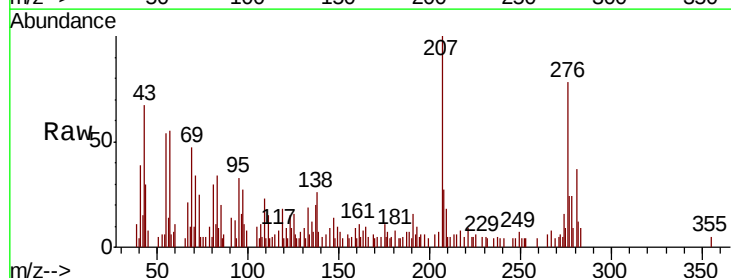
RT: 16.64 min Scan# 2474

Delta R.T. -0.01 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

Tgt Ion:	278	Resp:	4029
Ion	Ratio	Lower	Upper
278	100		
139	31.6	14.3	21.5#
279	39.2	19.4	29.0#

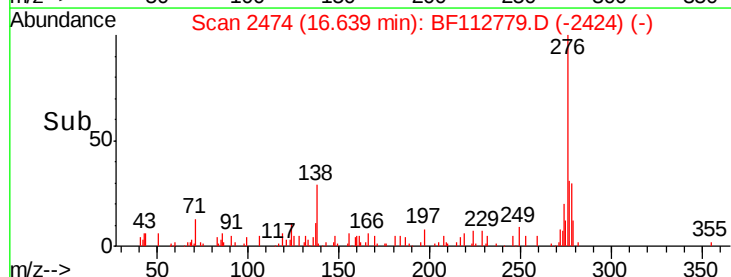
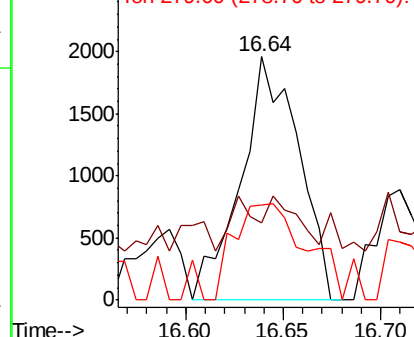


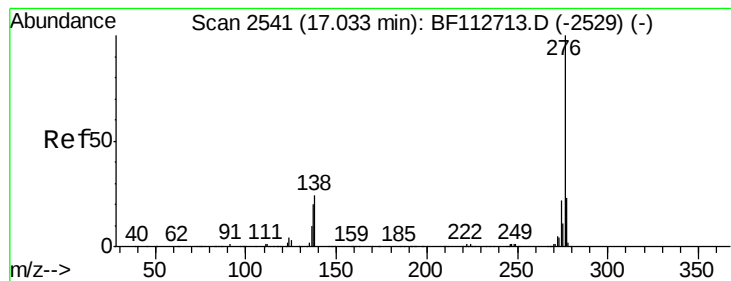
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 0.457 ng

RT: 17.04 min Scan# 2542

Delta R.T. 0.01 min

Lab File: BF112779.D

Acq: 28 Feb 2019 23:33

Instrument :

BNA_F

ClientSampleId :

351-281

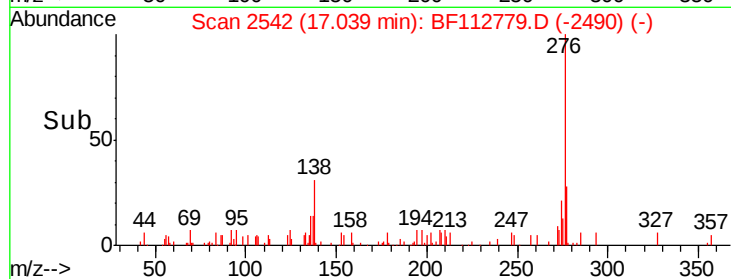
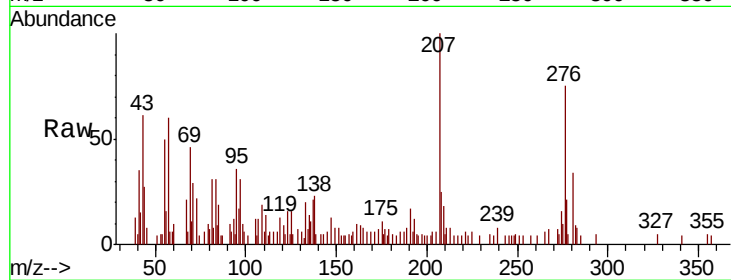
Tgt Ion: 276 Resp: 12565

Ion Ratio Lower Upper

276 100

277 28.1 18.6 27.8#

138 37.1 19.4 29.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

