

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022819\
 Data File : BF112785.D
 Acq On : 1 Mar 2019 2:16
 Operator : JU/SJ
 Sample : K1650-06 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3(2.5-3.5)

Quant Time: Mar 01 04:57:41 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	178901	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	653144	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	257318	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	460967	20.00	ng	0.00
76) Chrysene-d12	13.87	240	498359	20.00	ng	0.00
87) Perylene-d12	15.29	264	469163	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	250737	21.80	ng	0.00
7) Phenol-d6	6.36	99	331574	22.95	ng	0.00
23) Nitrobenzene-d5	7.30	82	181617	16.64	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	65789	24.08	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	301777	8.22	ng	0.00
79) Terphenyl-d14	12.83	244	293830	11.43	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.17	88	136	0.024	ng	# 19
6) Aniline	6.50	93	263	0.013	ng	# 1
9) Benzaldehyde	6.28	77	879	0.084	ng	# 18
10) Phenol	6.37	94	5253	0.312	ng	# 76
11) bis(2-Chloroethyl)ether	6.50	93	263	0.020	ng	# 1
15) Benzyl Alcohol	6.90	79	3527	0.320	ng	# 47
16) 2,2'-oxybis(1-Chloropropan	7.25	45	115	0.005	ng	# 71
19) n-Nitroso-di-n-propylamine	7.30	70	23274	2.544	ng	# 77
22) Acetophenone	7.15	105	1231	0.081	ng	# 93
24) Nitrobenzene	7.29	77	433	0.036	ng	# 38
25) Isophorone	7.30	82	181644	7.725	ng	# 66
27) 2,4-Dimethylphenol	7.73	122	1690	0.180	ng	# 4
31) Naphthalene	8.05	128	3947	0.122	ng	# 96
32) Benzoic acid	7.73	122	1690	0.256	ng	# 95
33) 4-Chloroaniline	8.05	127	372	0.027	ng	# 43
37) 2-Methylnaphthalene	8.74	142	2062	0.098	ng	# 93
38) 1-Methylnaphthalene	8.83	142	2426	0.120	ng	# 91
46) 1,1'-Biphenyl	9.20	154	925	0.044	ng	# 90
48) 2-Nitroaniline	9.10	65	282	0.057	ng	# 1
49) Acenaphthylene	9.63	152	5651	0.203	ng	# 95
50) Dimethylphthalate	9.49	163	17403	0.917	ng	# 99
51) 2,6-Dinitrotoluene	9.77	165	32810	8.304	ng	# 18
52) Acenaphthene	9.80	154	6373	0.392	ng	# 99
55) Dibenzofuran	9.97	168	4217	0.178	ng	# 93
56) 4-Nitrophenol	9.97	139	1446	0.370	ng	# 6
57) 2,4-Dinitrotoluene	9.77	165	32810	6.681	ng	# 18
58) Fluorene	10.32	166	7641	0.455	ng	# 99
60) Diethylphthalate	10.19	149	136	0.007	ng	# 60
63) Azobenzene	10.47	77	239	0.012	ng	# 1
66) n-Nitrosodiphenylamine	10.43	169	510	0.034	ng	# 15
67) 4-Bromophenyl-phenylether	10.55	248	3833	0.789	ng	# 1
71) Phenanthrene	11.27	178	139529	6.084	ng	# 97
72) Anthracene	11.32	178	25438	1.060	ng	# 99
73) Carbazole	11.47	167	9922	0.424	ng	# 94

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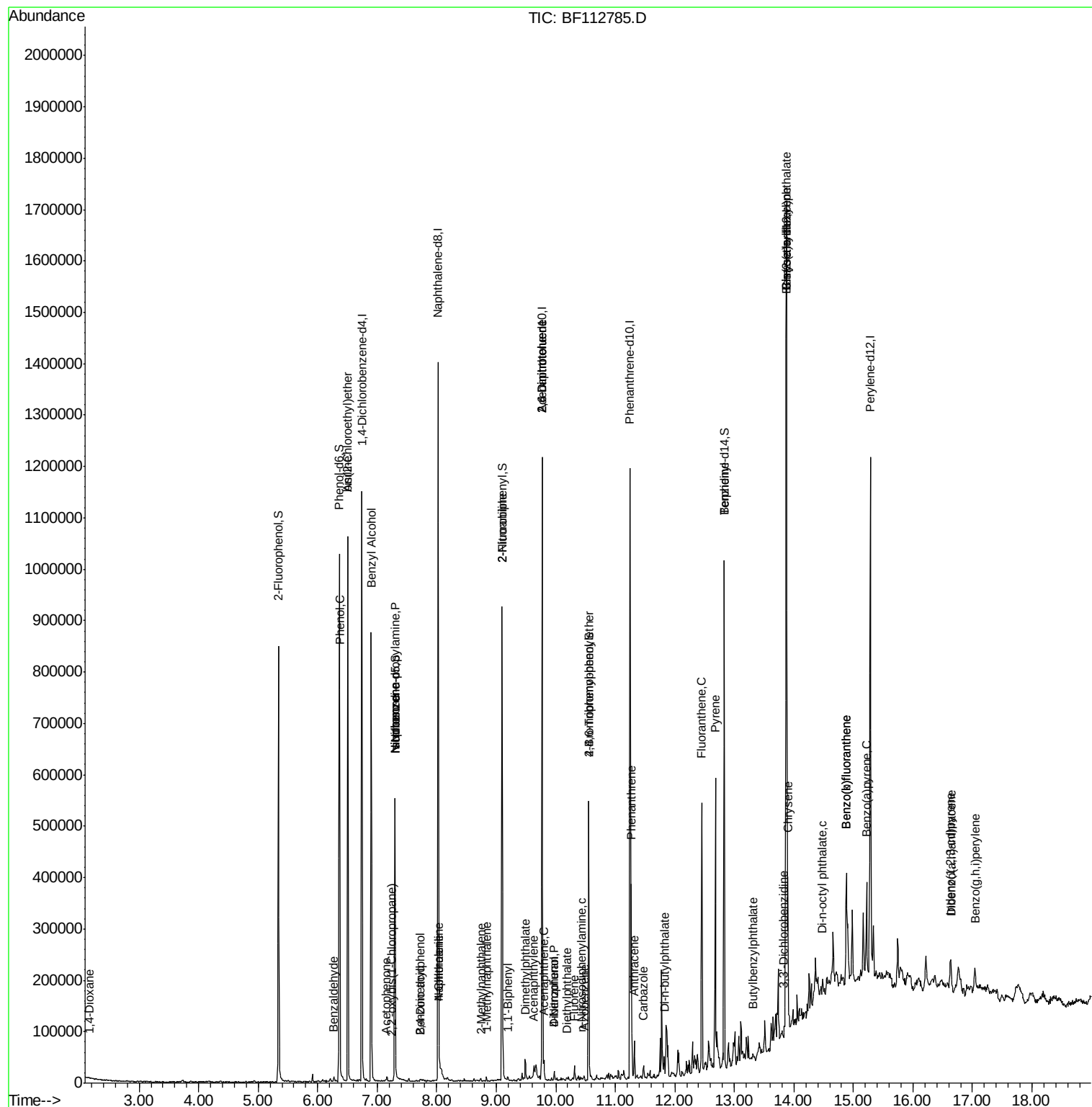
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Di-n-butylphthalate	11.82	149	3962	0.141	ng	# 92
75) Fluoranthene	12.45	202	210608	8.571	ng	99
77) Benzidine	12.83	184	3230	0.125	ng	98
78) Pyrene	12.68	202	219389	5.222	ng	98
80) Butylbenzylphthalate	13.30	149	1576	0.085	ng	# 88
81) Benzo(a)anthracene	13.86	228	115092	3.332	ng	98
82) 3,3'-Dichlorobenzidine	13.83	252	216	0.017	ng	# 1
83) Chrysene	13.90	228	105553	3.120	ng	97
84) Bis(2-ethylhexyl)phthalate	13.87	149	12615	0.580	ng	95
85) Di-n-octyl phthalate	14.48	149	1077	0.029	ng	# 1
86) Indeno(1,2,3-cd)pyrene	16.63	276	37163	1.288	ng	95
88) Benzo(b)fluoranthene	14.88	252	152000	5.009	ng	97
89) Benzo(k)fluoranthene	14.88	252	152000	5.530	ng	98
90) Benzo(a)pyrene	15.22	252	82954	3.090	ng	98
91) Dibenzo(a,h)anthracene	16.64	278	11134	0.486	ng	# 69
92) Benzo(g,h,i)perylene	17.04	276	34064	1.481	ng	93

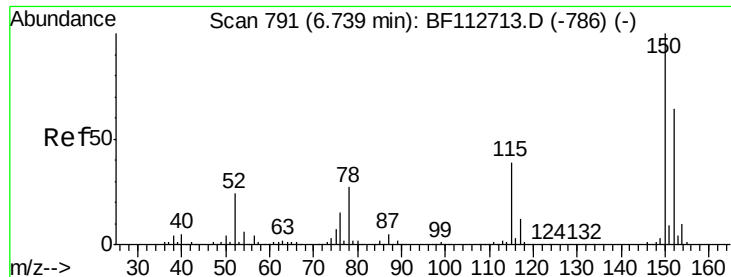
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
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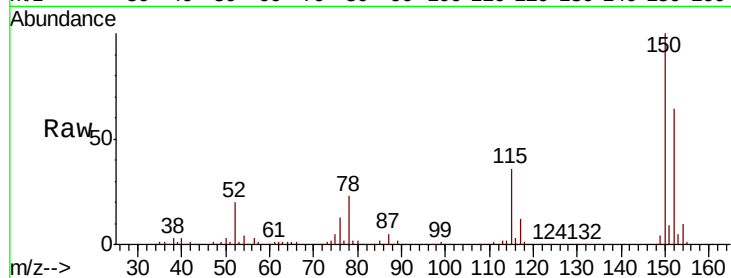


#1

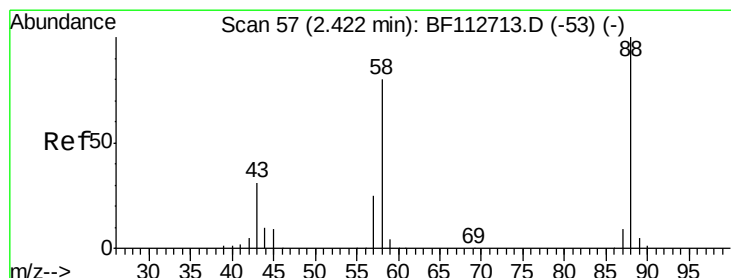
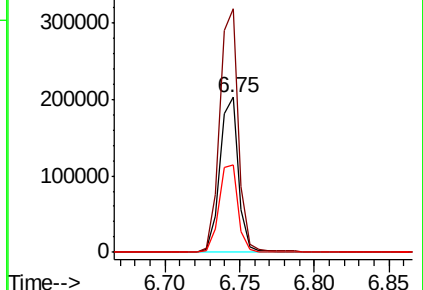
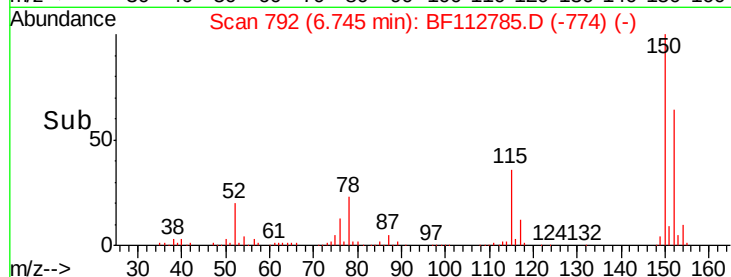
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

Instrument :
BNA_F
ClientSampleId :
B-3(2.5-3.5)

Tgt Ion: 152 Resp: 178901
Ion Ratio Lower Upper
152 100
150 157.0 124.2 186.2
115 56.2 48.2 72.4



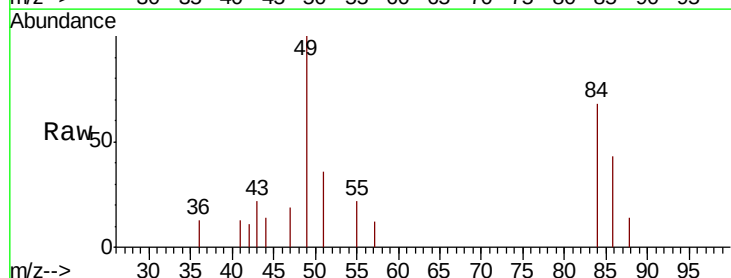
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



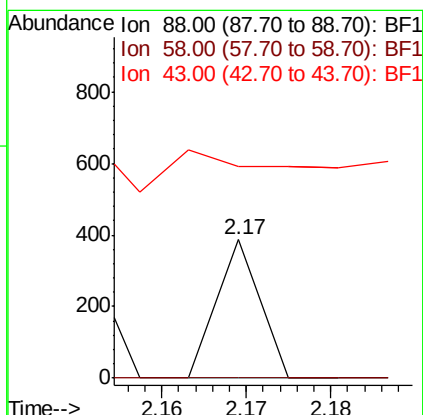
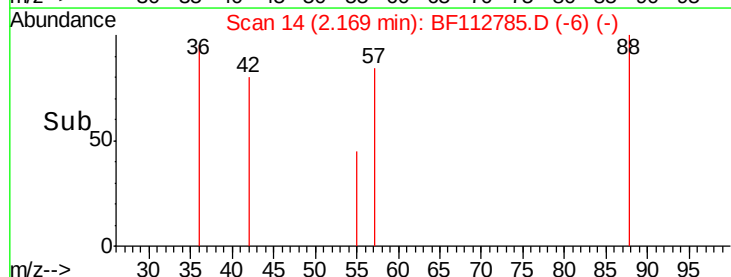
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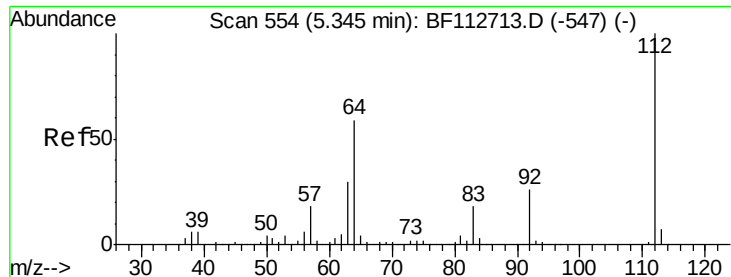
1,4-Dioxane
Concen: 0.024 ng
RT: 2.17 min Scan# 14
Delta R.T. -0.25 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

Tgt Ion: 88 Resp: 136
Ion Ratio Lower Upper
88 100
58 0.0 63.1 94.7#
43 0.0 24.3 36.5#



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





#5

2-Fluorophenol

Concen: 21.802 ng

RT: 5.35 min Scan# 554

Delta R.T. -0.00 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

Instrument :

BNA_F

ClientSampleId :

B-3(2.5-3.5)

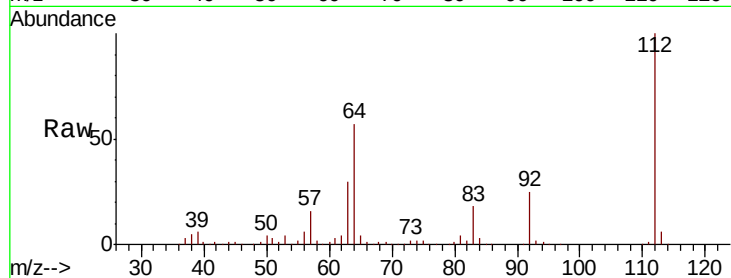
Tgt Ion: 112 Resp: 250737

Ion Ratio Lower Upper

112 100

64 57.2 47.6 71.4

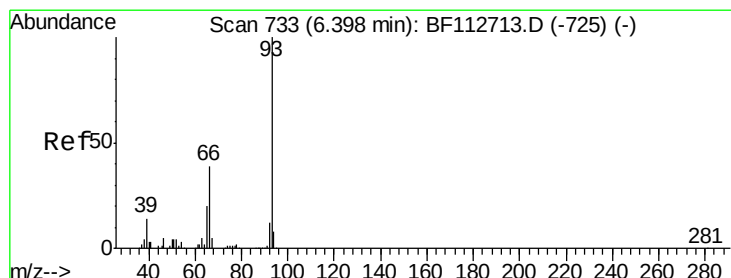
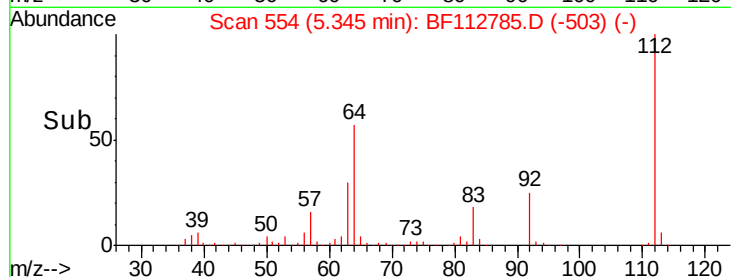
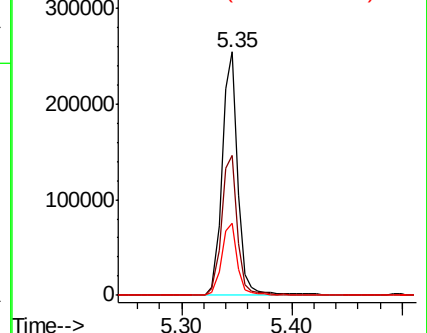
63 29.6 24.4 36.6



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: 0.013 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.11 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

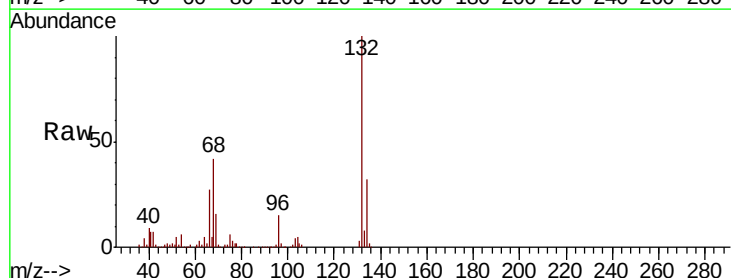
Tgt Ion: 93 Resp: 263

Ion Ratio Lower Upper

93 100

66 20962.8 32.2 48.2#

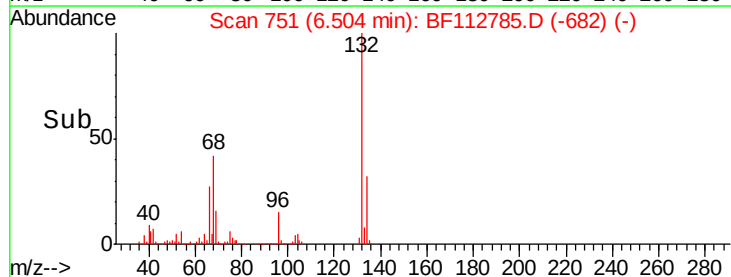
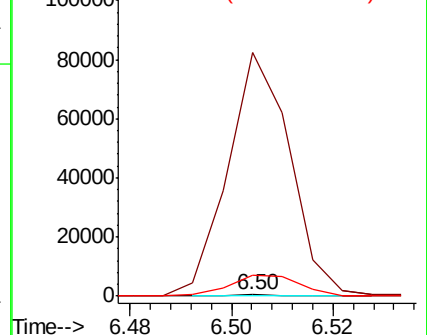
65 1832.1 16.2 24.4#

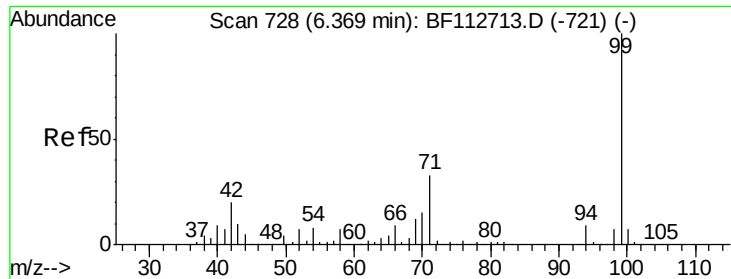


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 22.951 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

Instrument :

BNA_F

ClientSampleId :

B-3(2.5-3.5)

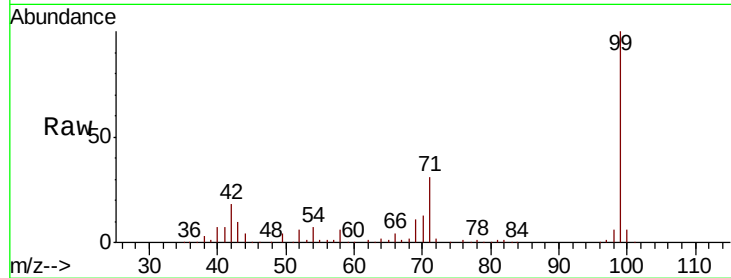
Tgt Ion: 99 Resp: 331574

Ion Ratio Lower Upper

99 100

42 18.4 16.3 24.5

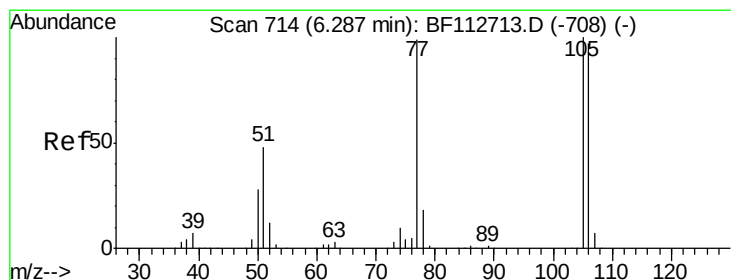
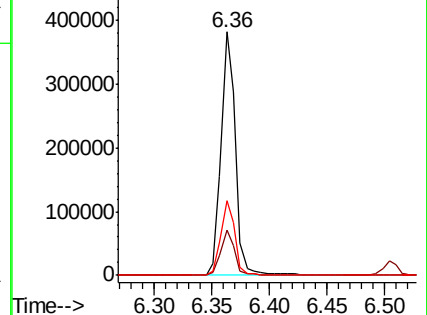
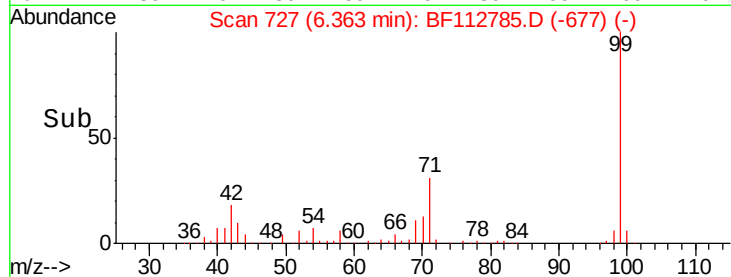
71 30.9 26.2 39.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 0.084 ng

RT: 6.28 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

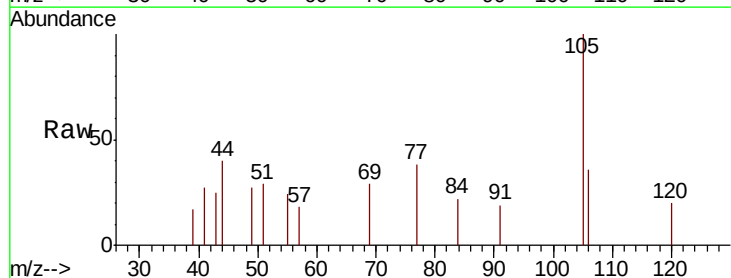
Tgt Ion: 77 Resp: 879

Ion Ratio Lower Upper

77 100

105 260.3 81.4 121.4#

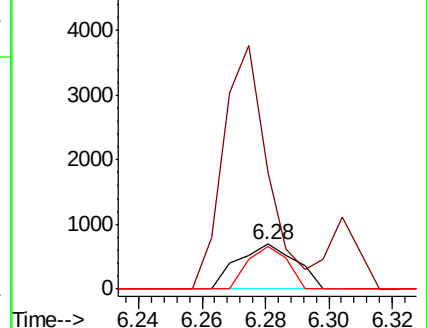
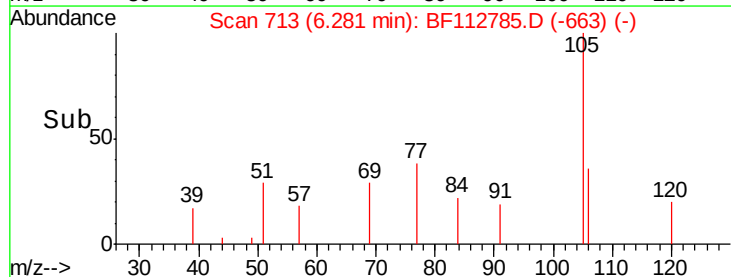
106 94.5 78.3 118.3

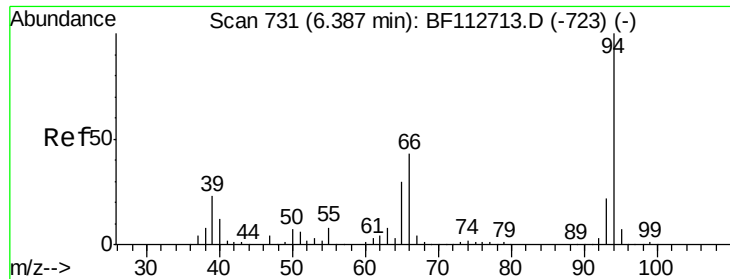


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

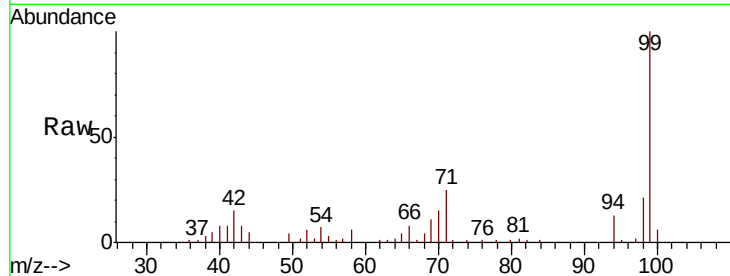




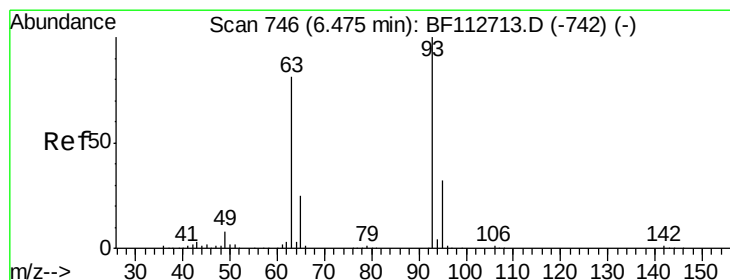
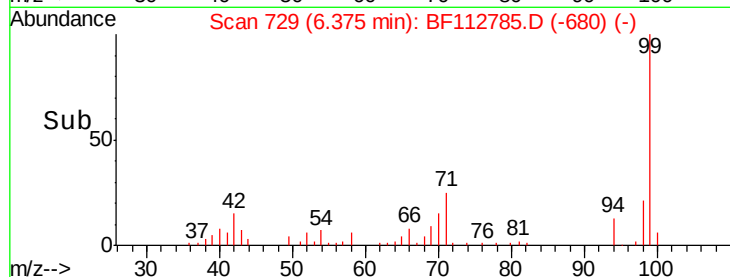
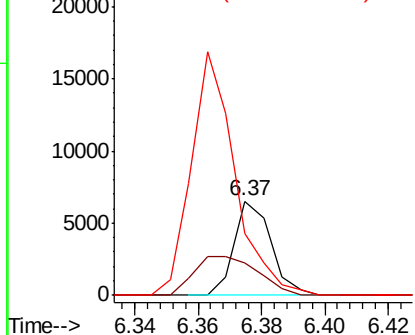
#10
Phenol
Concen: 0.312 ng
RT: 6.37 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

Instrument :
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B-3(2.5-3.5)

Tgt Ion: 94 Resp: 5253
Ion Ratio Lower Upper
94 100
65 34.1 10.5 50.5
66 66.1 22.6 62.6#

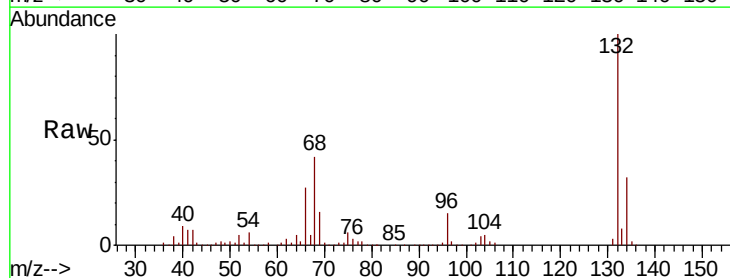


Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

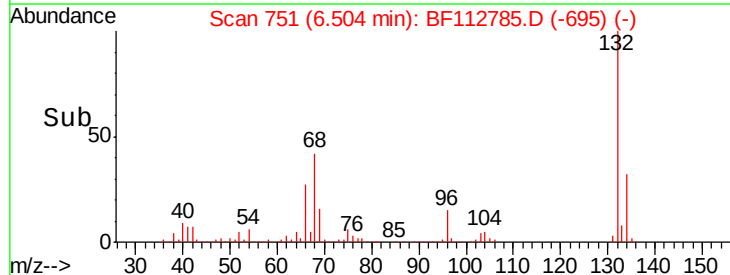
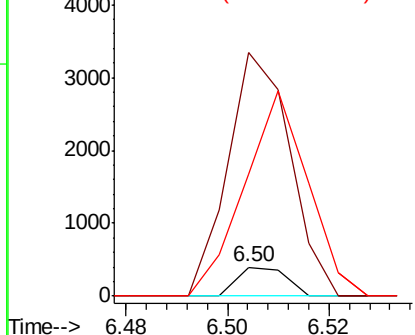


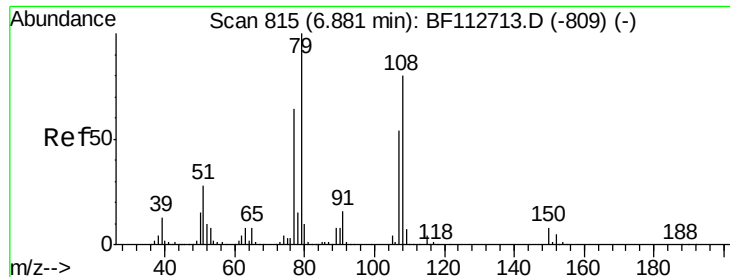
#11
bis(2-Chloroethyl)ether
Concen: 0.020 ng
RT: 6.50 min Scan# 751
Delta R.T. 0.03 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

Tgt Ion: 93 Resp: 263
Ion Ratio Lower Upper
93 100
63 850.4 60.5 100.5#
95 424.9 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

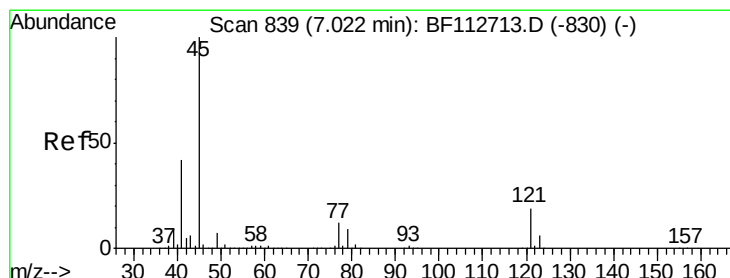
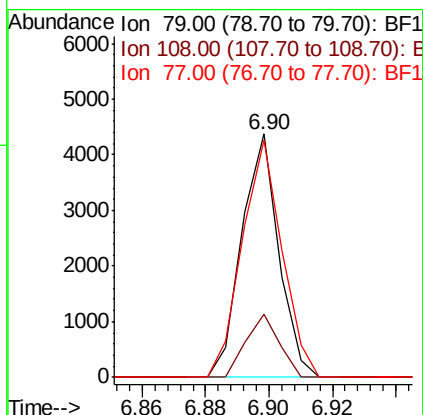
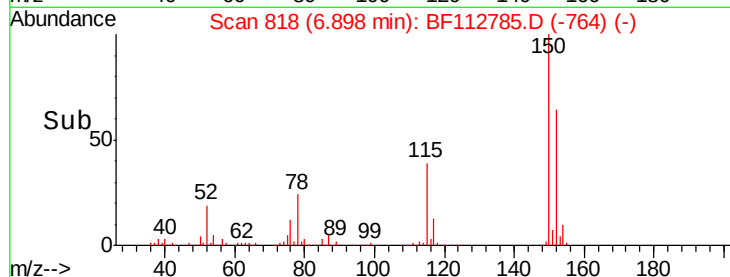
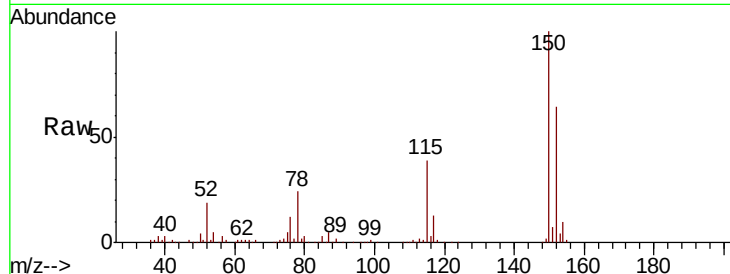




#15
Benzyl Alcohol
Concen: 0.320 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.02 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

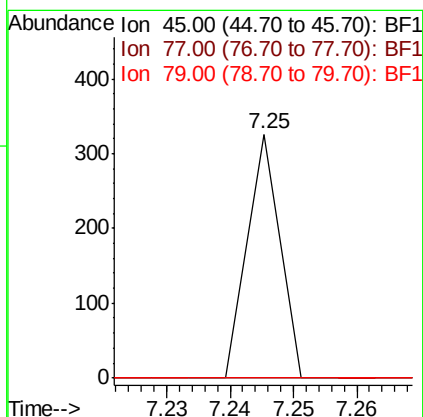
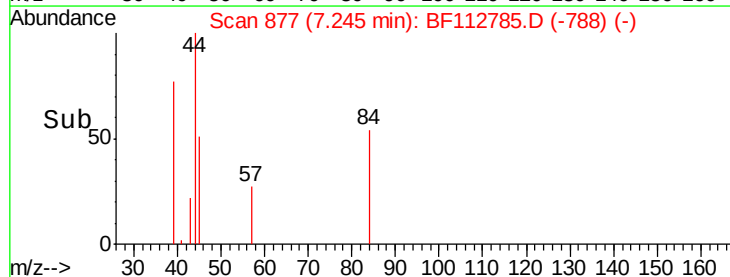
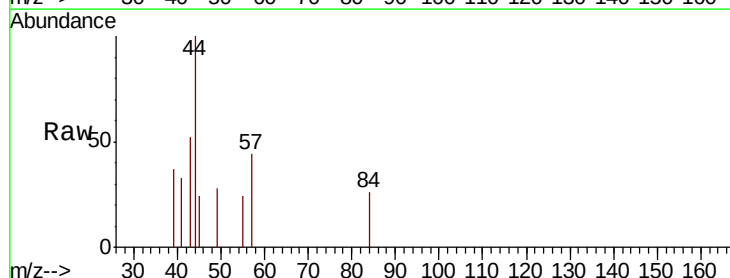
Instrument :
BNA_F
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B-3(2.5-3.5)

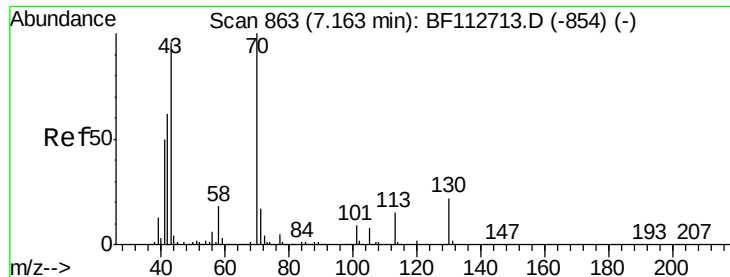
Tgt Ion: 79 Resp: 3527
Ion Ratio Lower Upper
79 100
108 26.1 64.2 96.4#
77 97.5 51.1 76.7#



#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.005 ng
RT: 7.25 min Scan# 877
Delta R.T. 0.22 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

Tgt Ion: 45 Resp: 115
Ion Ratio Lower Upper
45 100
77 0.0 0.0 32.1
79 0.0 0.0 29.4

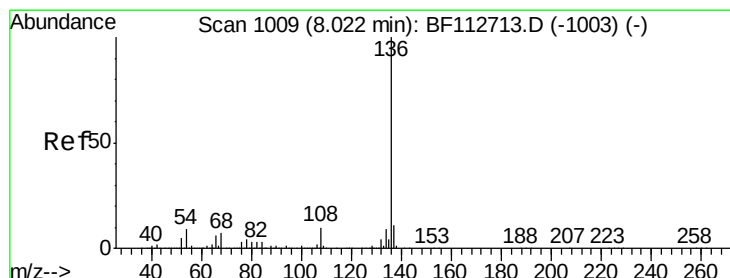
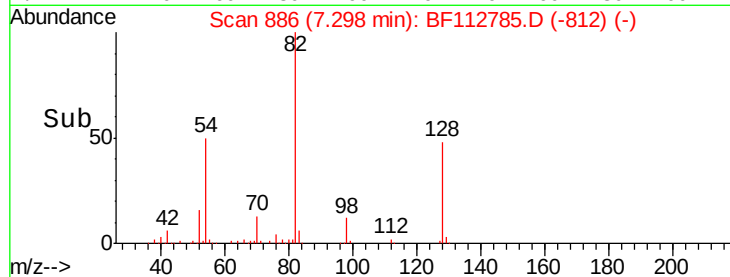
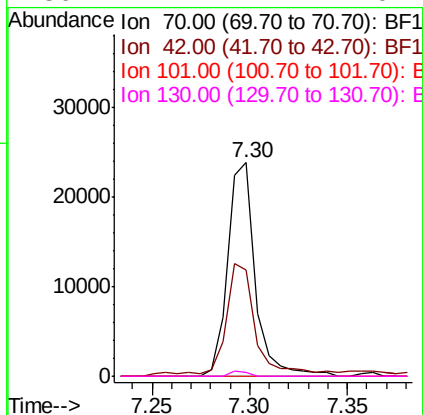
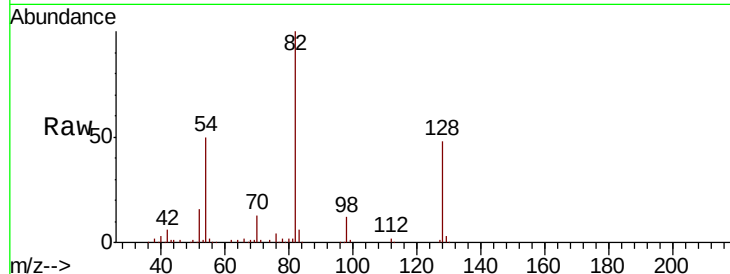




#19
n-Nitroso-di-n-propylamine
Concen: 2.544 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

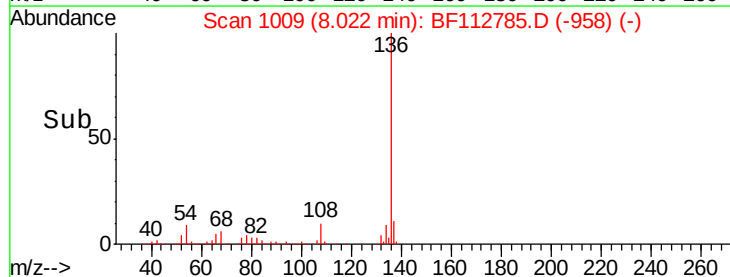
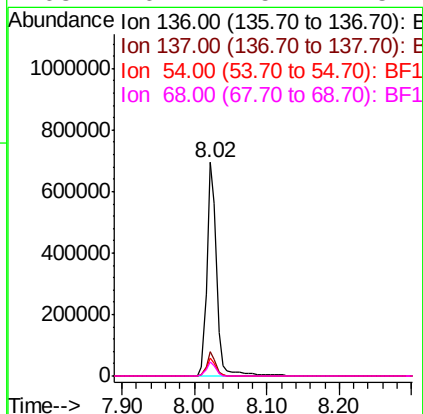
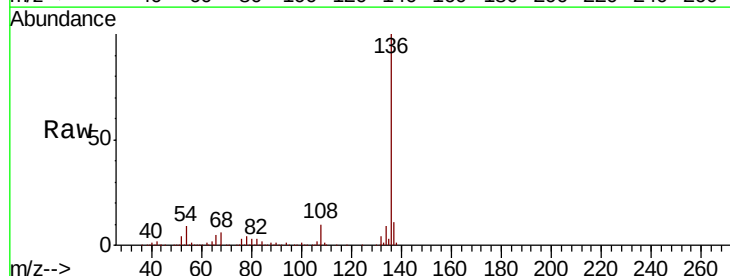
Instrument :
BNA_F
ClientSampleId :
B-3(2.5-3.5)

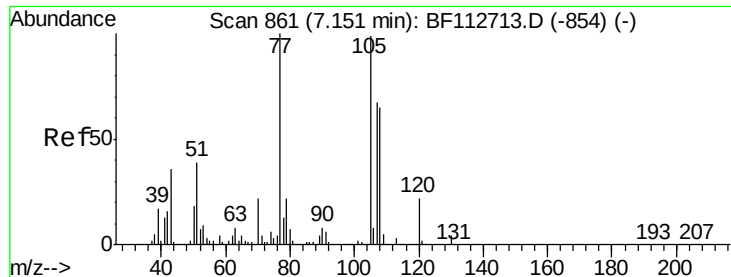
Tgt Ion: 70 Resp: 23274
Ion Ratio Lower Upper
70 100
42 49.9 49.9 74.9#
101 0.0 7.4 11.2#
130 1.7 17.4 26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

Tgt Ion: 136 Resp: 653144
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 8.6 7.3 10.9
68 6.4 5.4 8.2

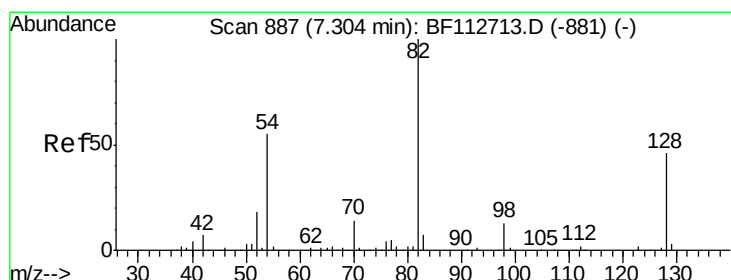
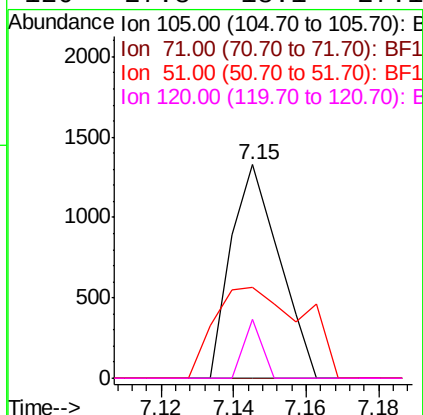
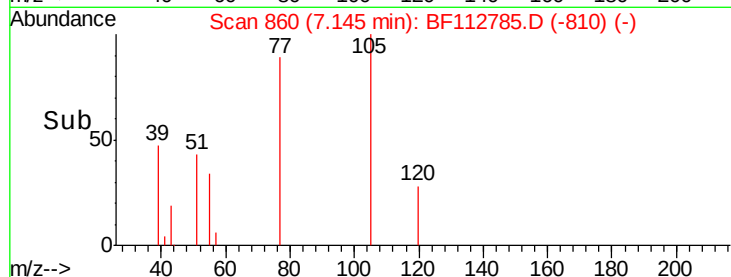
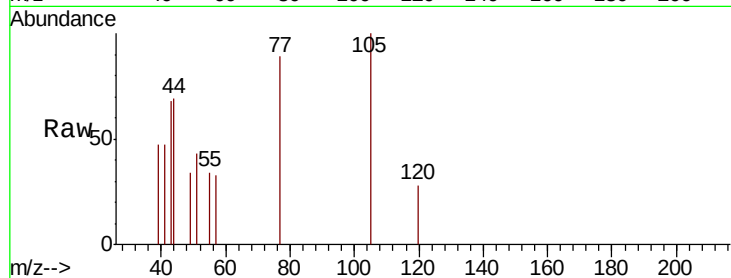




#22
Acetophenone
Concen: 0.081 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

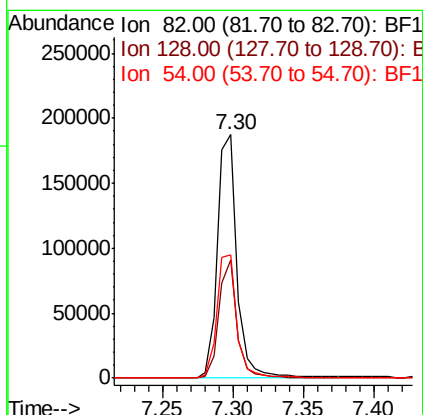
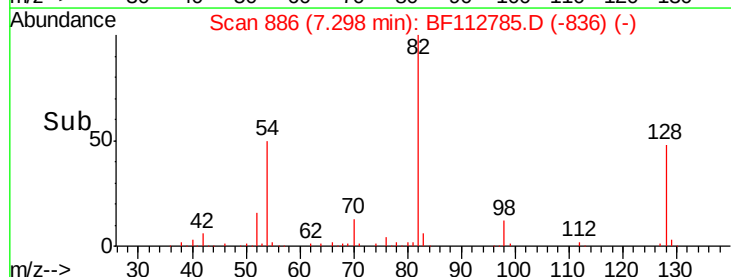
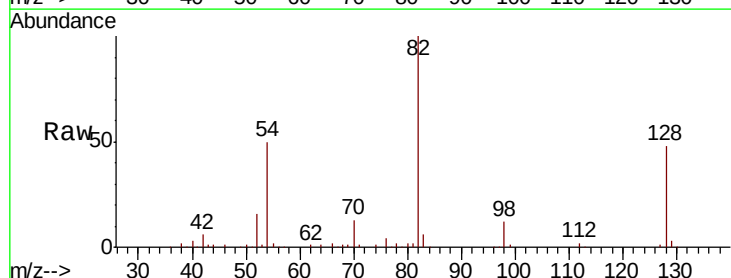
Instrument :
BNA_F
ClientSampleId :
B-3(2.5-3.5)

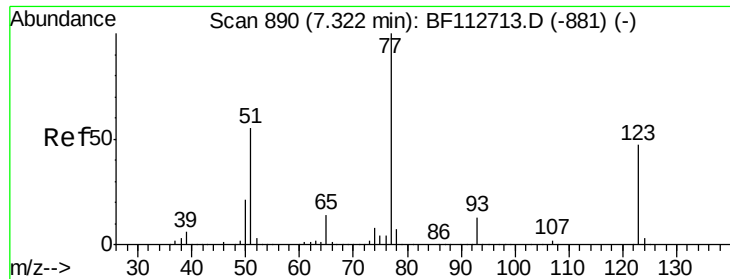
Tgt Ion: 105 Resp: 1231
Ion Ratio Lower Upper
105 100
71 0.0 3.0 4.4#
51 42.5 31.5 47.3
120 27.8 18.1 27.1#



#23
Nitrobenzene-d5
Concen: 16.639 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

Tgt Ion: 82 Resp: 181617
Ion Ratio Lower Upper
82 100
128 48.5 36.3 54.5
54 50.4 43.7 65.5

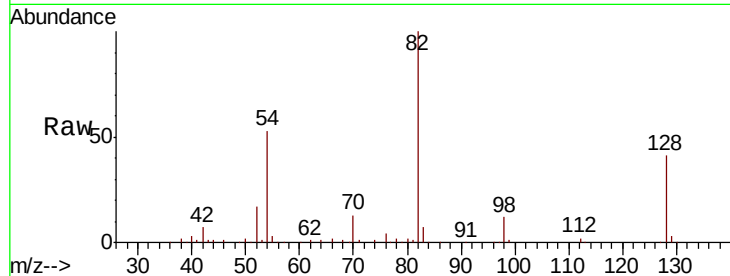




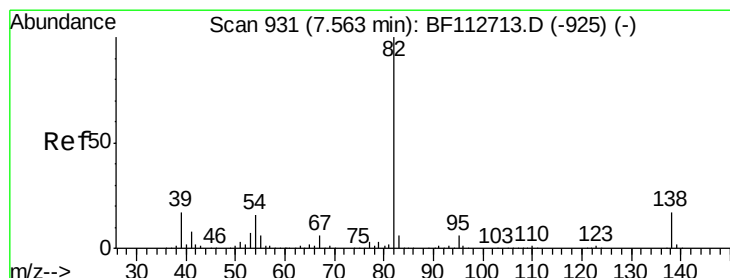
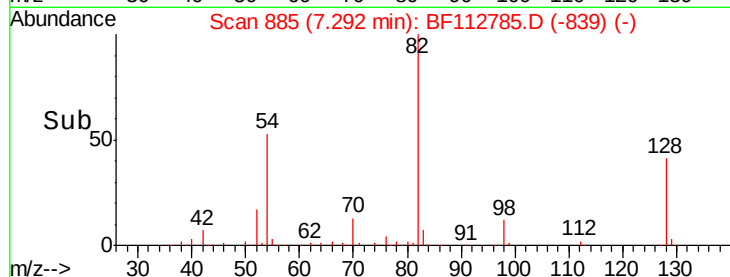
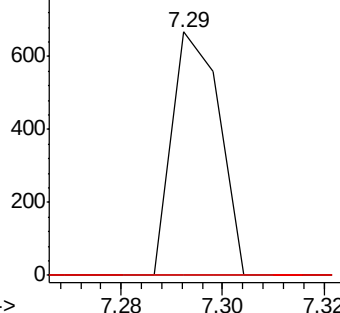
#24
 Nitrobenzene
 Concen: 0.036 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.03 min
 Lab File: BF112785.D
 Acq: 1 Mar 2019 2:16

Instrument :
 BNA_F
 ClientSampleId :
 B-3(2.5-3.5)

Tgt Ion: 77 Resp: 433
 Ion Ratio Lower Upper
 77 100
 123 0.0 37.8 56.6#
 65 0.0 11.1 16.7#

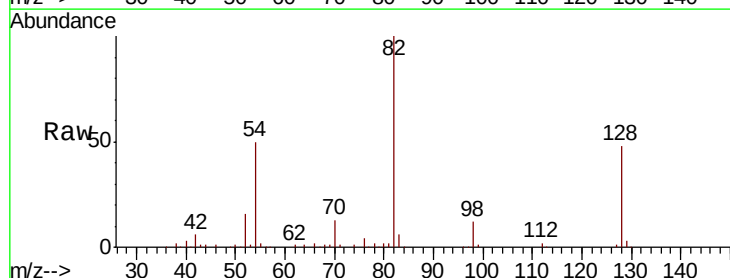


Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1

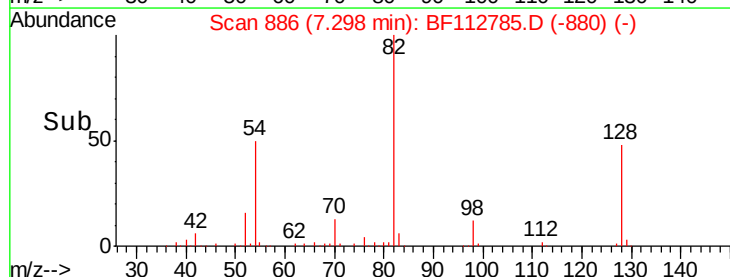
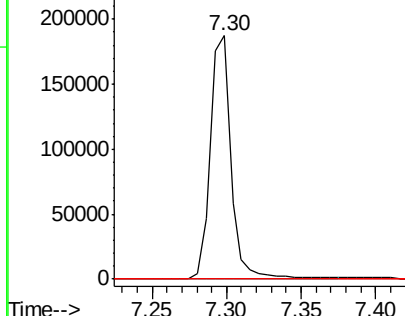


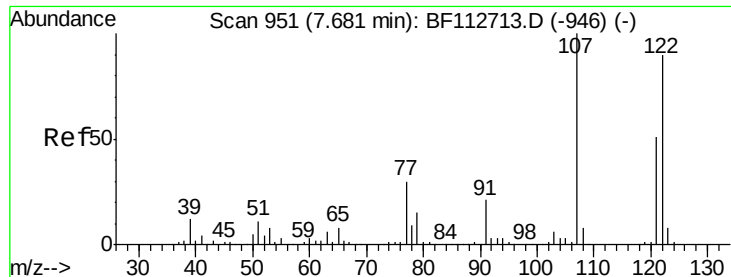
#25
 Isophorone
 Concen: 7.725 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.26 min
 Lab File: BF112785.D
 Acq: 1 Mar 2019 2:16

Tgt Ion: 82 Resp: 181644
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 13.8 20.8#



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

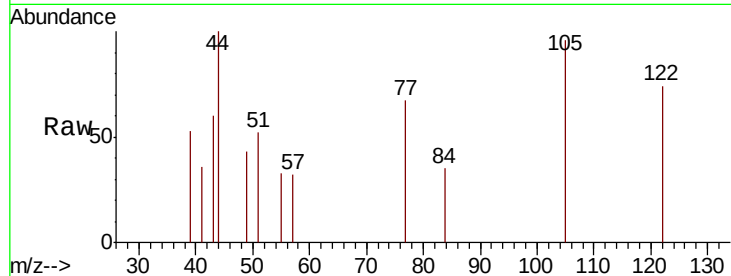




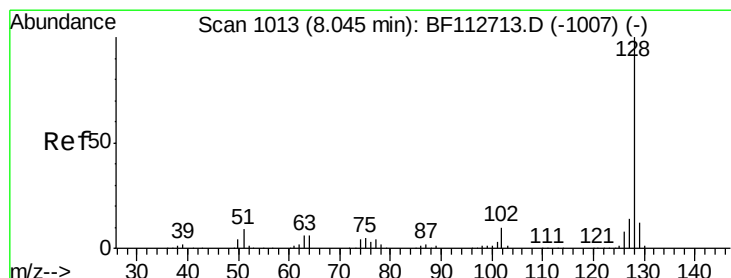
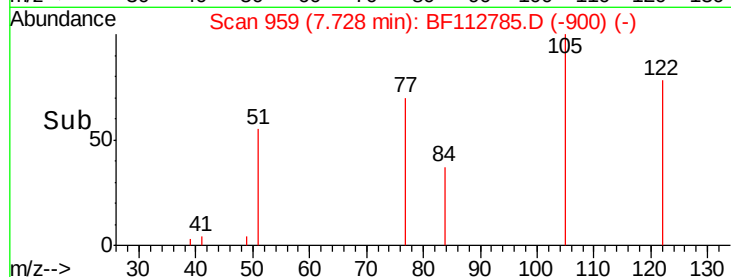
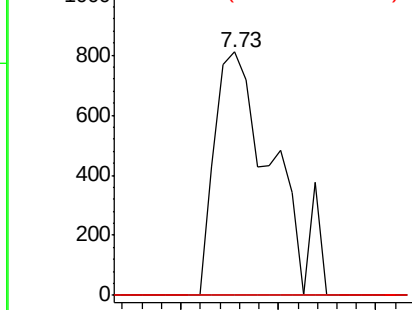
#27
2,4-Dimethylphenol
Concen: 0.180 ng
RT: 7.73 min Scan# 959
Delta R.T. 0.05 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

Instrument :
BNA_F
ClientSampleId :
B-3(2.5-3.5)

Tgt Ion:122 Resp: 1690
Ion Ratio Lower Upper
122 100
107 0.0 89.4 134.0#
121 0.0 45.5 68.3#

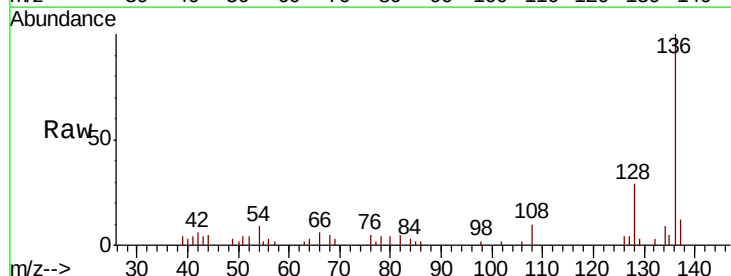


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

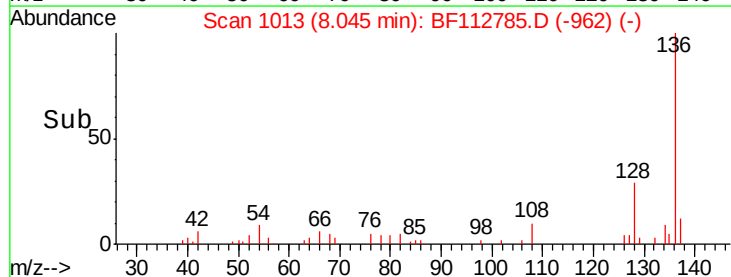
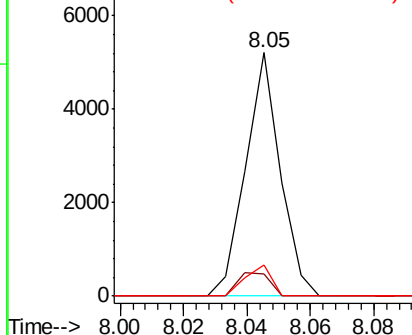


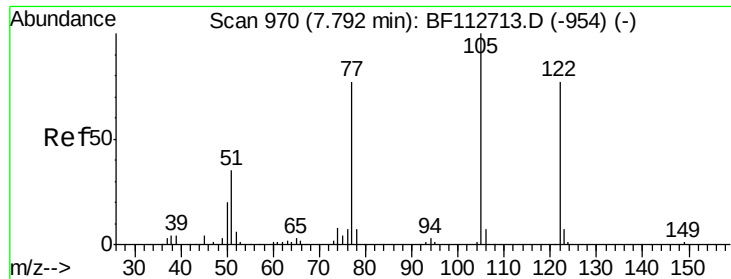
#31
Naphthalene
Concen: 0.122 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.00 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

Tgt Ion:128 Resp: 3947
Ion Ratio Lower Upper
128 100
129 9.1 9.3 13.9#
127 12.7 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

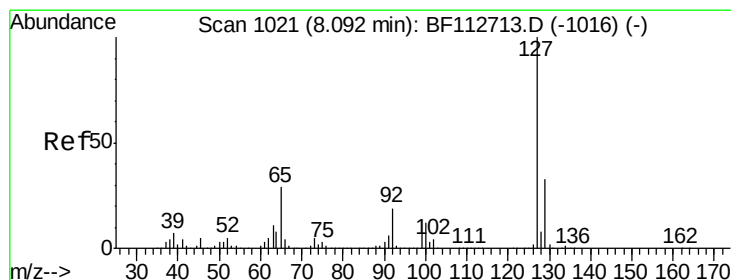
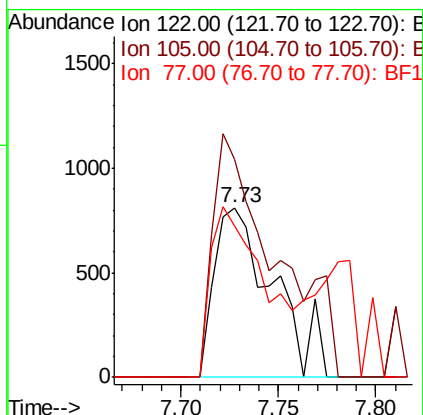
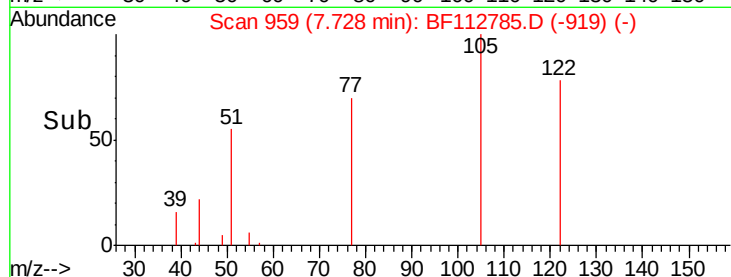
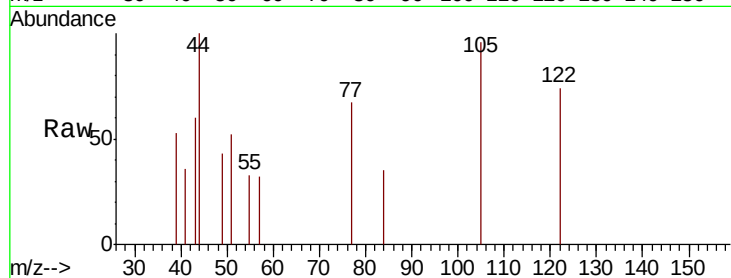




#32
Benzoic acid
Concen: 0.256 ng
RT: 7.73 min Scan# 959
Delta R.T. -0.06 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

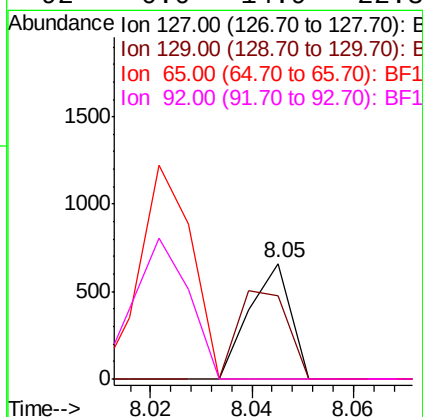
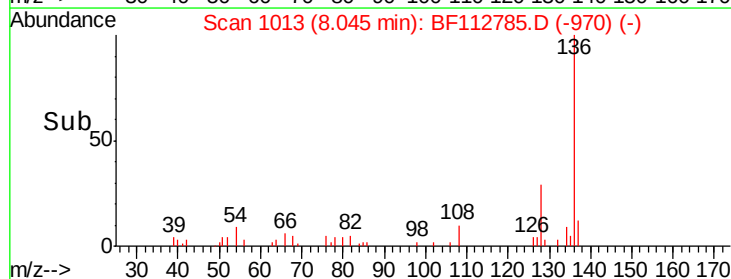
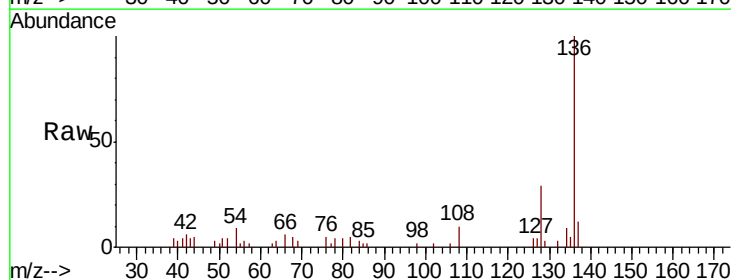
Instrument :
BNA_F
ClientSampleId :
B-3(2.5-3.5)

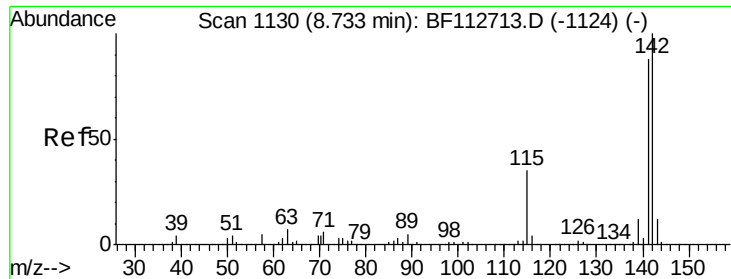
Tgt Ion:122 Resp: 1690
Ion Ratio Lower Upper
122 100
105 128.7 106.8 146.8
77 89.6 79.4 119.4



#33
4-Chloroaniline
Concen: 0.027 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.05 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

Tgt Ion:127 Resp: 372
Ion Ratio Lower Upper
127 100
129 71.8 26.4 39.6#
65 0.0 23.1 34.7#
92 0.0 14.9 22.3#

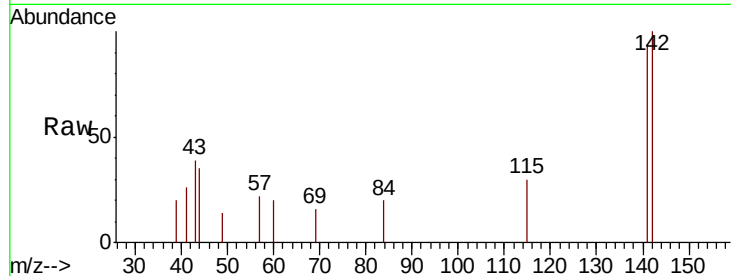




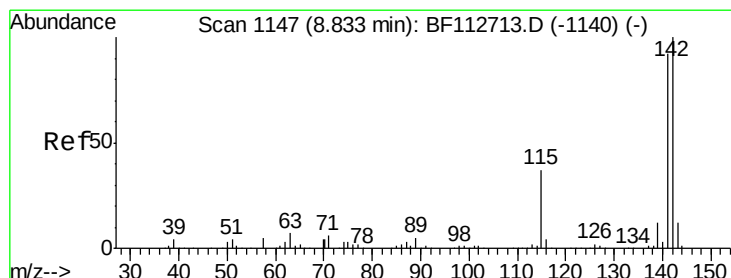
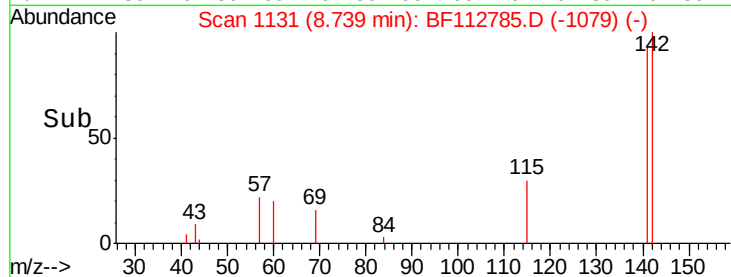
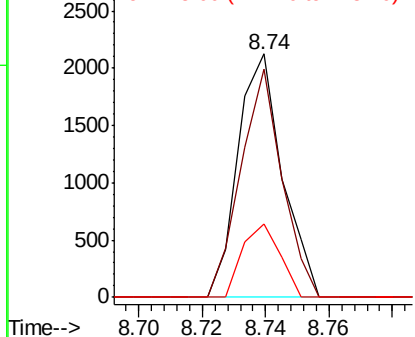
#37
 2-Methylnaphthalene
 Concen: 0.098 ng
 RT: 8.74 min Scan# 1131
 Delta R.T. 0.01 min
 Lab File: BF112785.D
 Acq: 1 Mar 2019 2:16

Instrument :
 BNA_F
 ClientSampleId :
 B-3(2.5-3.5)

Tgt Ion:142 Resp: 2062
 Ion Ratio Lower Upper
 142 100
 141 93.9 70.3 105.5
 115 29.9 27.8 41.6

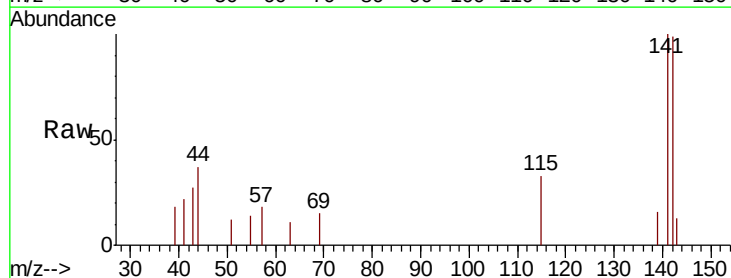


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

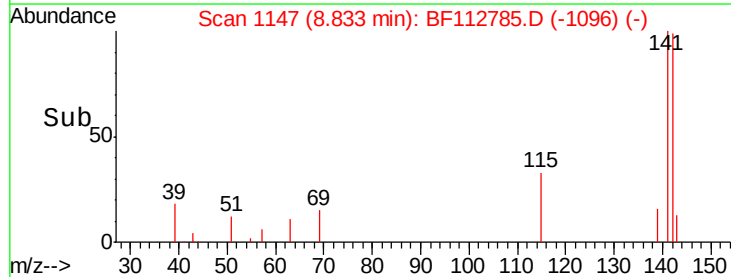
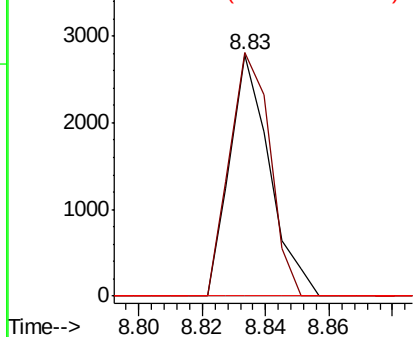


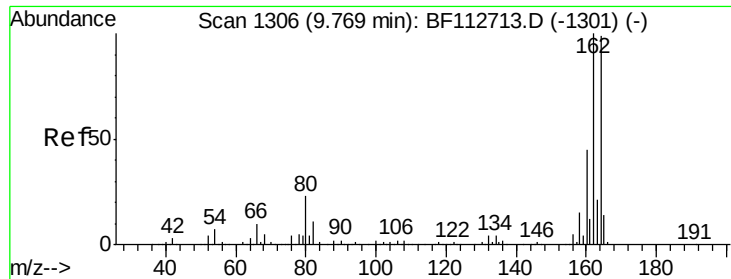
#38
 1-Methylnaphthalene
 Concen: 0.120 ng
 RT: 8.83 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: BF112785.D
 Acq: 1 Mar 2019 2:16

Tgt Ion:142 Resp: 2426
 Ion Ratio Lower Upper
 142 100
 141 101.0 73.7 110.5
 116 0.0 3.1 4.7#



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

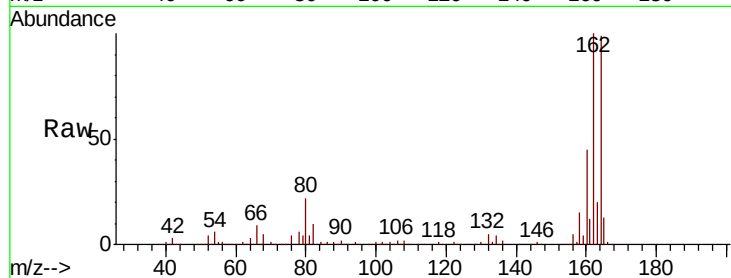




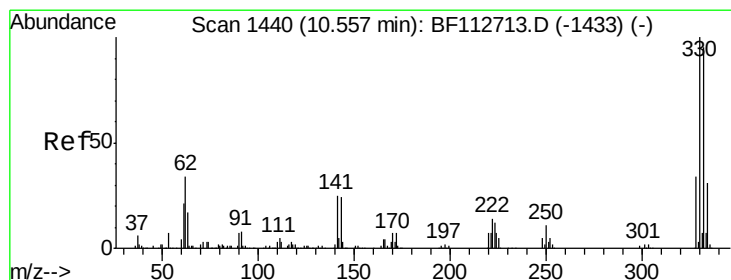
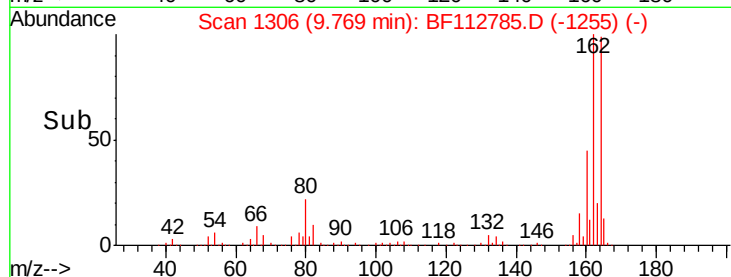
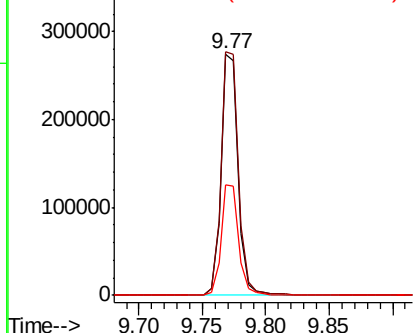
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: BF112785.D
 Acq: 1 Mar 2019 2:16

Instrument :
 BNA_F
 ClientSampleId :
 B-3(2.5-3.5)

Tgt Ion:164 Resp: 257318
 Ion Ratio Lower Upper
 164 100
 162 101.0 80.6 120.8
 160 45.8 36.0 54.0

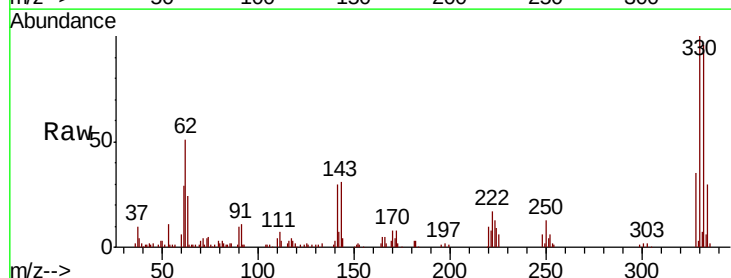


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

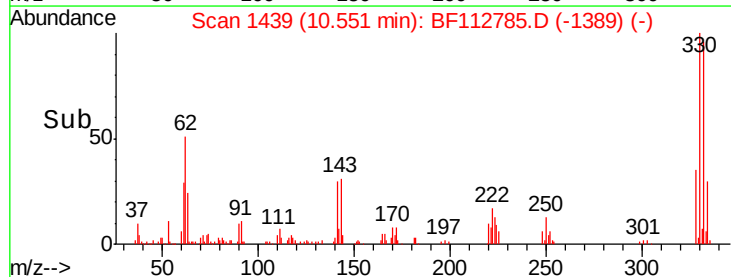
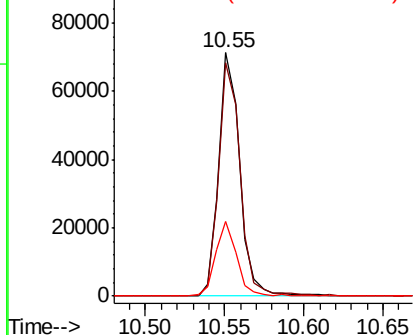


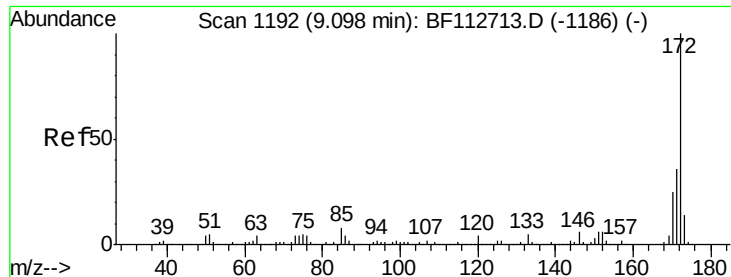
#42
 2,4,6-Tribromophenol
 Concen: 24.083 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF112785.D
 Acq: 1 Mar 2019 2:16

Tgt Ion:330 Resp: 65789
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.2 114.4
 141 30.0 27.0 40.6



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

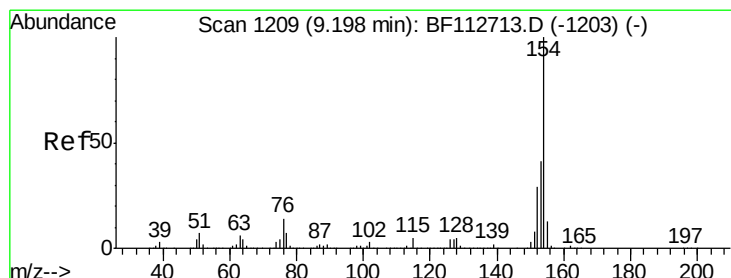
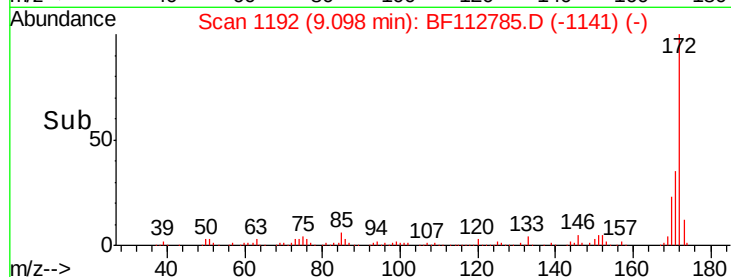
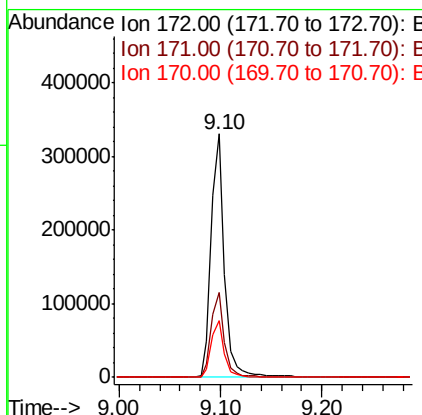
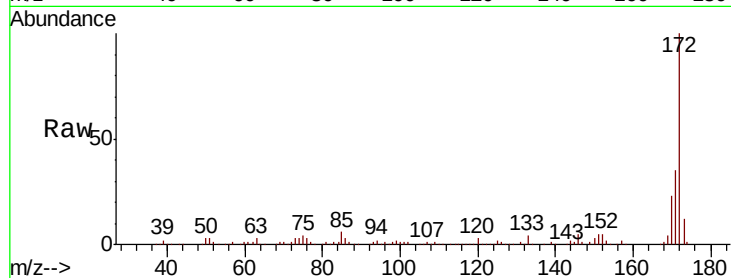




#45
2-Fluorobiphenyl
Concen: 8.216 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

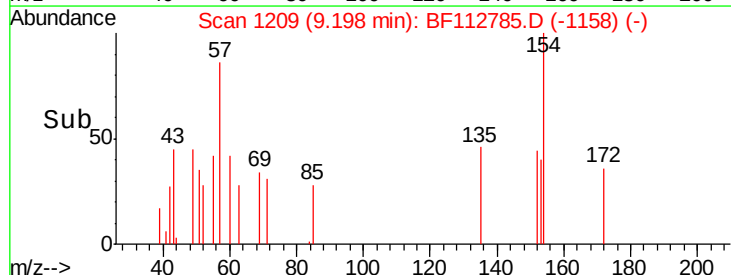
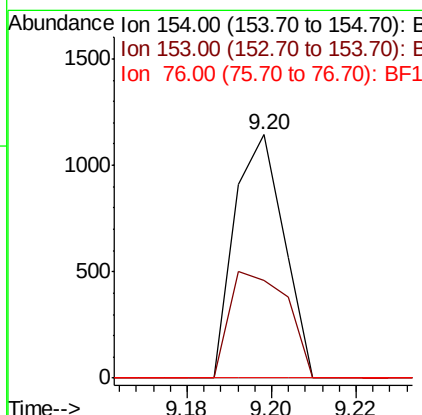
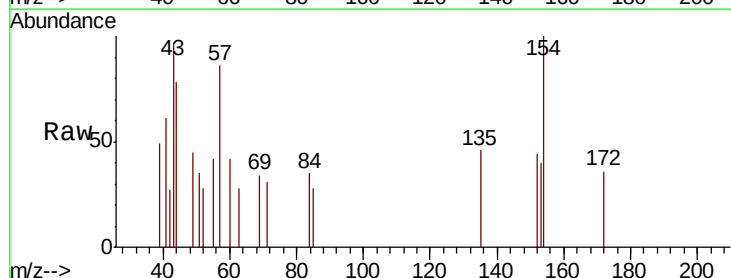
Instrument :
BNA_F
ClientSampleId :
B-3(2.5-3.5)

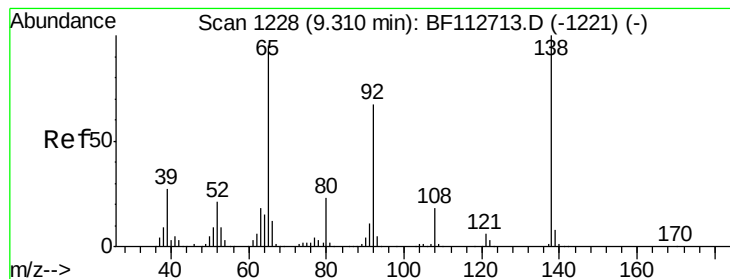
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.0	43.4
170	23.4	20.0	30.0



#46
1,1'-Biphenyl
Concen: 0.044 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.00 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.8	60.8
76	0.0	0.0	33.8





#48

2-Nitroaniline

Concen: 0.057 ng

RT: 9.10 min Scan# 1192

Delta R.T. -0.21 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

Instrument :

BNA_F

ClientSampleId :

B-3(2.5-3.5)

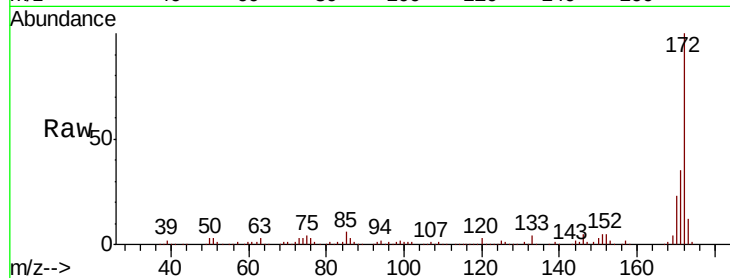
Tgt Ion: 65 Resp: 282

Ion Ratio Lower Upper

65 100

92 250.8 56.4 84.6#

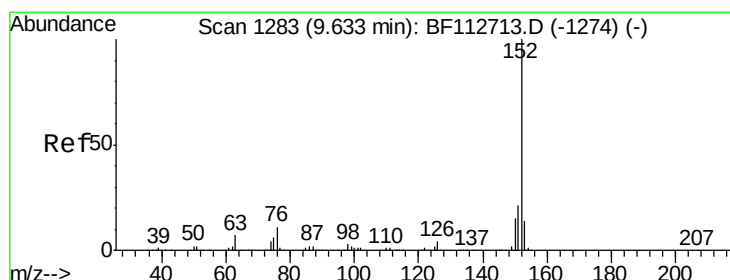
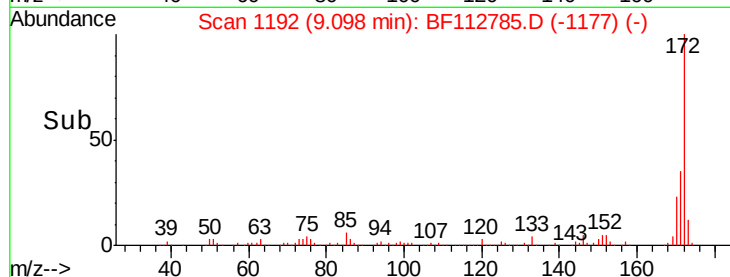
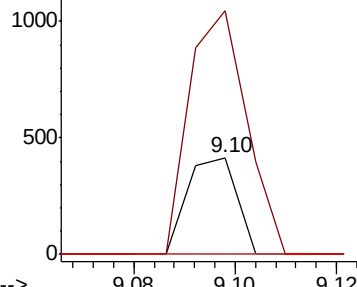
138 0.0 84.6 126.8#



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): BF1



#49

Acenaphthylene

Concen: 0.203 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.00 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

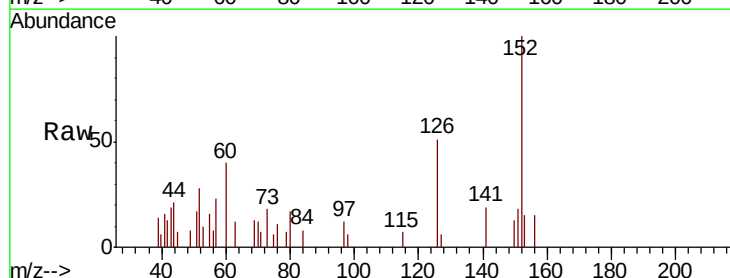
Tgt Ion: 152 Resp: 5651

Ion Ratio Lower Upper

152 100

151 18.0 16.9 25.3

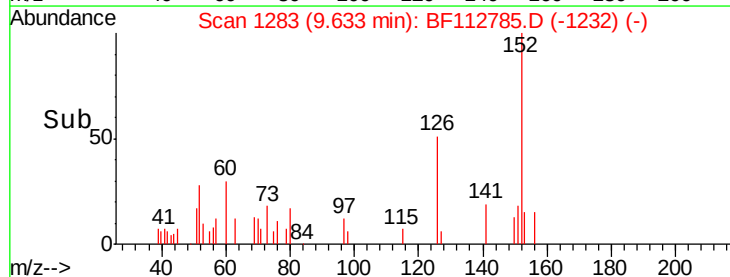
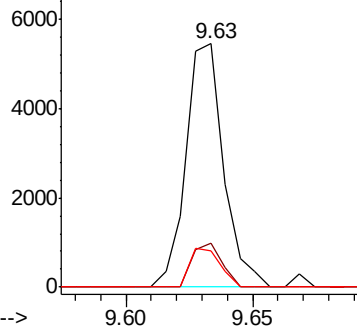
153 14.7 11.0 16.6

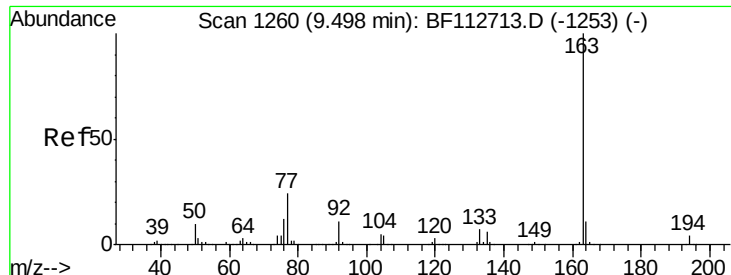


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

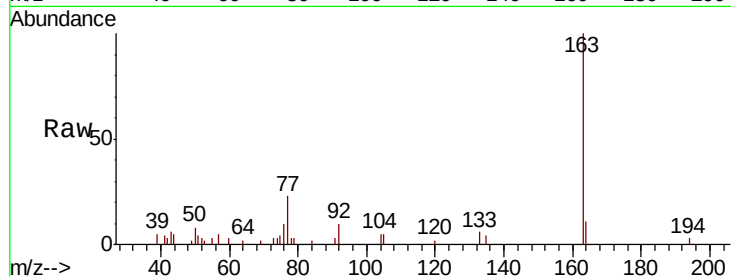




#50
Dimethylphthalate
Concen: 0.917 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

Instrument :
BNA_F
ClientSampleId :
B-3(2.5-3.5)

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.0	4.4
164	11.0	8.4	12.6

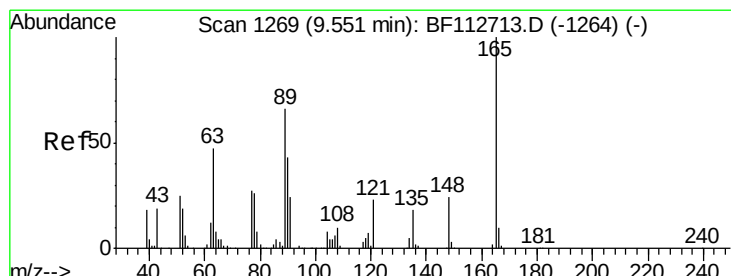
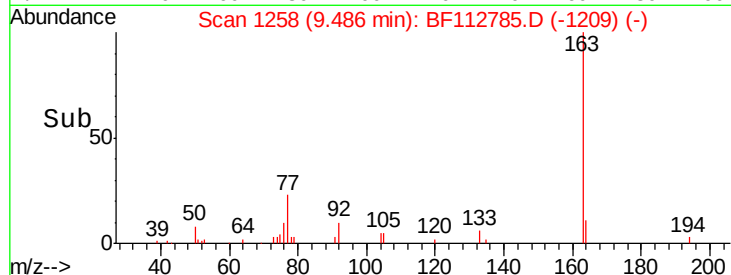
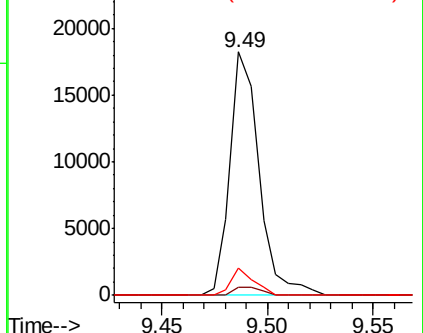


Abundance

Ion 163.00 (162.70 to 163.70): E

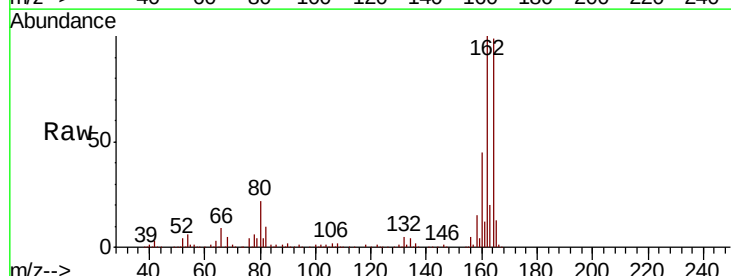
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 8.304 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.22 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	54.1	81.1#
89	1.4	52.8	79.2#

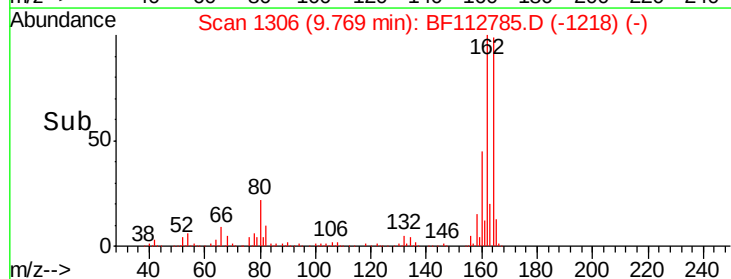
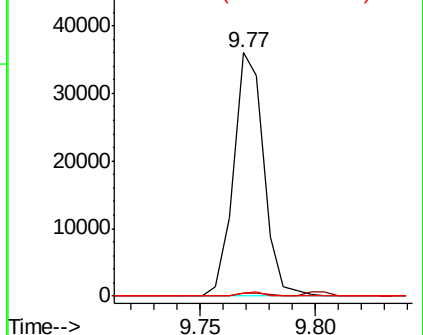


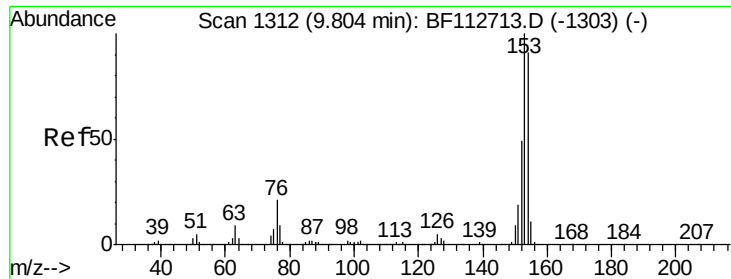
Abundance

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: 0.392 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

Instrument :

BNA_F

ClientSampleId :

B-3(2.5-3.5)

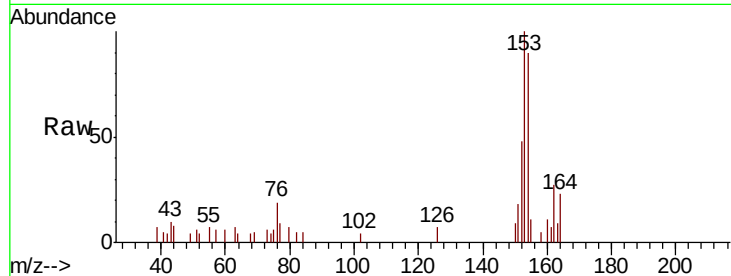
Tgt Ion:154 Resp: 6373

Ion Ratio Lower Upper

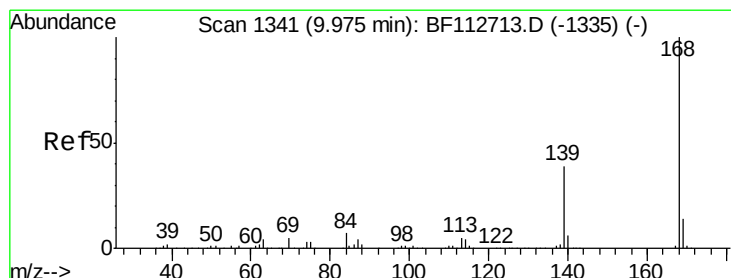
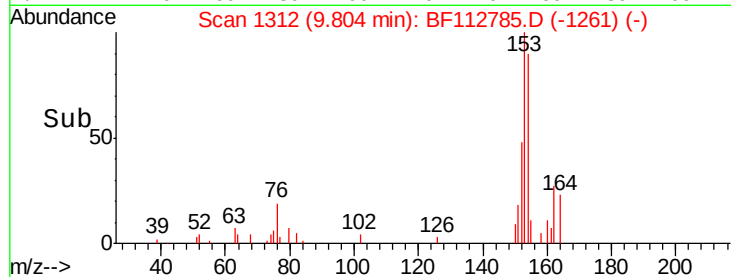
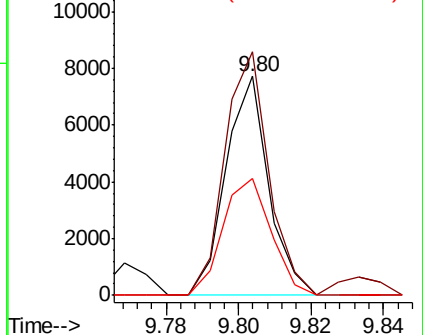
154 100

153 111.2 87.8 131.8

152 53.5 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

Dibenzofuran

Concen: 0.178 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

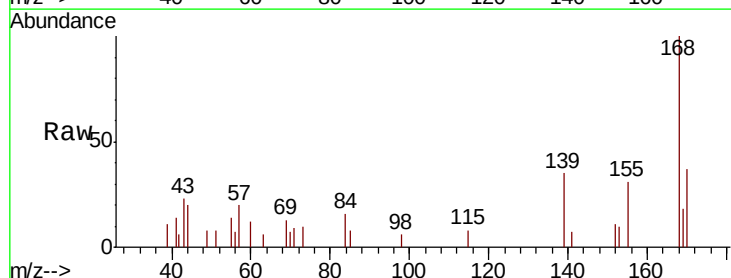
Tgt Ion:168 Resp: 4217

Ion Ratio Lower Upper

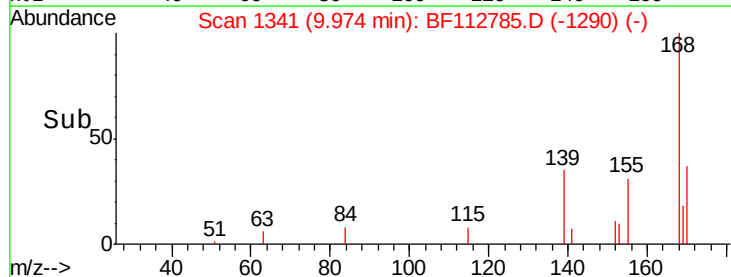
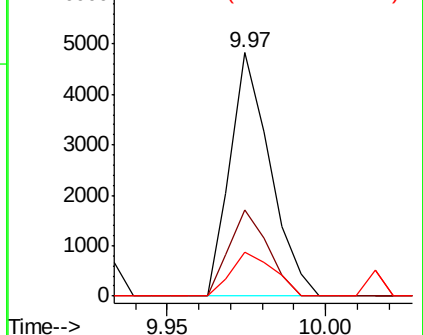
168 100

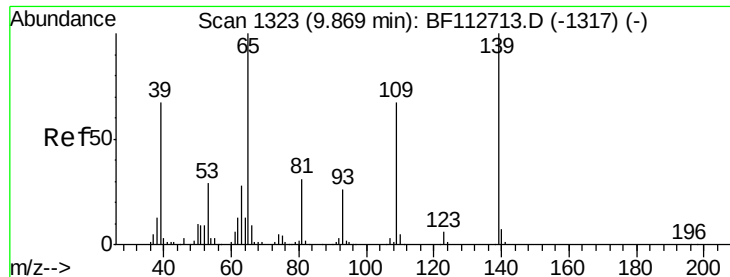
139 35.4 31.3 46.9

169 18.1 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

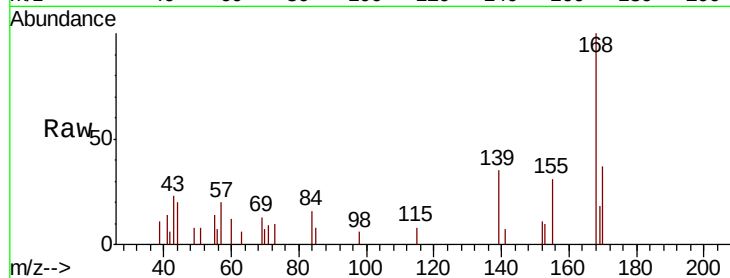




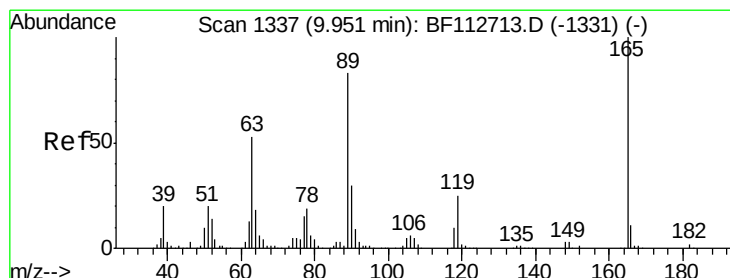
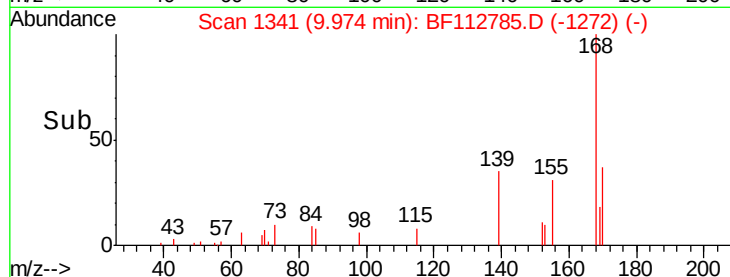
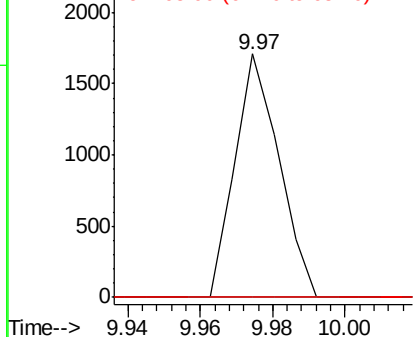
#56
4-Nitrophenol
Concen: 0.370 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.11 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

Instrument :
BNA_F
ClientSampleId :
B-3(2.5-3.5)

Tgt Ion:139 Resp: 1446
Ion Ratio Lower Upper
139 100
109 0.0 46.8 86.8#
65 0.0 80.7 120.7#

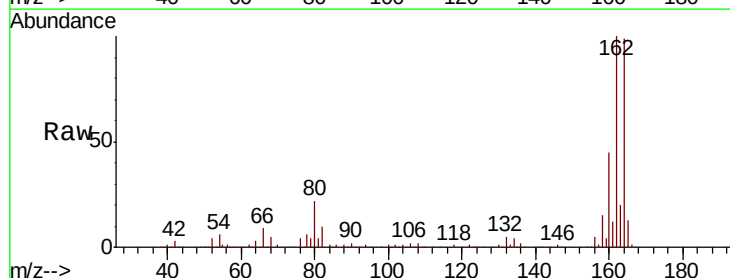


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

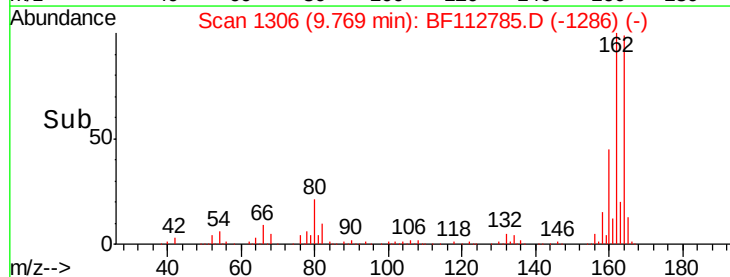
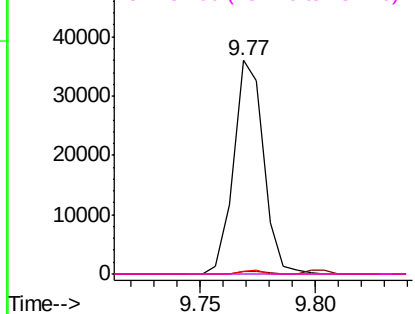


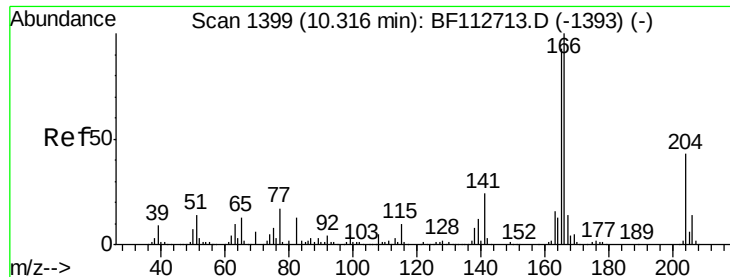
#57
2,4-Dinitrotoluene
Concen: 6.681 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.18 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

Tgt Ion:165 Resp: 32810
Ion Ratio Lower Upper
165 100
63 1.4 42.2 63.2#
89 1.4 66.2 99.4#
182 0.0 1.8 2.6#



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
Ion 182.00 (181.70 to 182.70): BF1





#58

Fluorene

Concen: 0.455 ng

RT: 10.32 min Scan# 1399

Delta R.T. -0.00 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

Instrument :

BNA_F

ClientSampleId :

B-3(2.5-3.5)

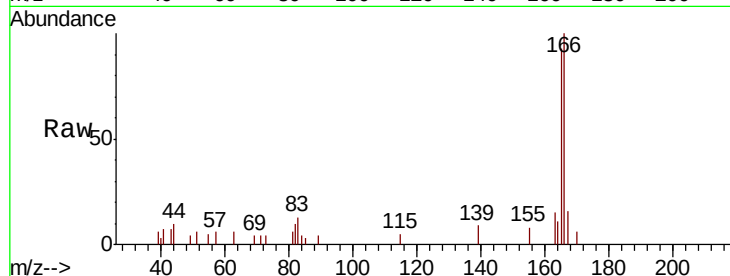
Tgt Ion:166 Resp: 7641

Ion Ratio Lower Upper

166 100

165 93.4 74.7 112.1

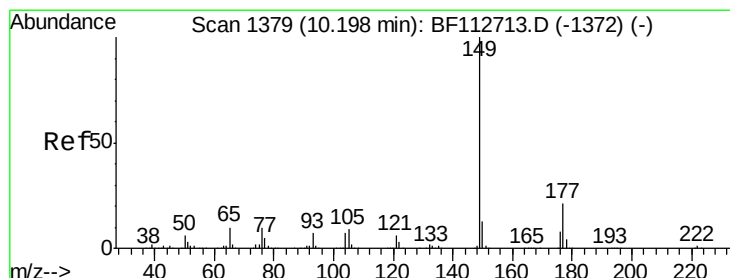
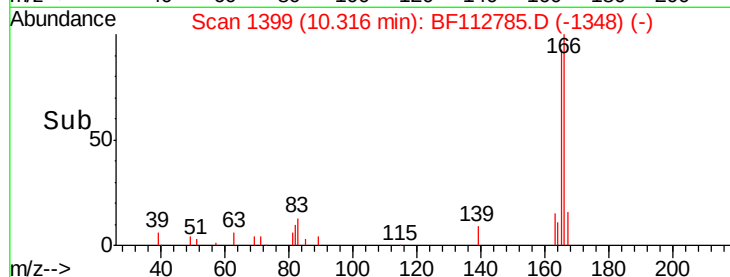
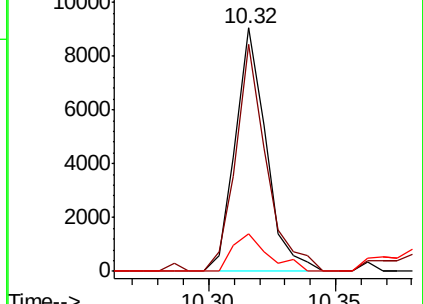
167 15.6 11.0 16.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60

Diethylphthalate

Concen: 0.007 ng

RT: 10.19 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

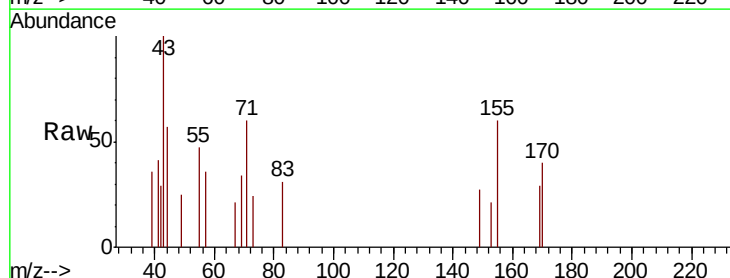
Tgt Ion:149 Resp: 136

Ion Ratio Lower Upper

149 100

177 0.0 17.0 25.6#

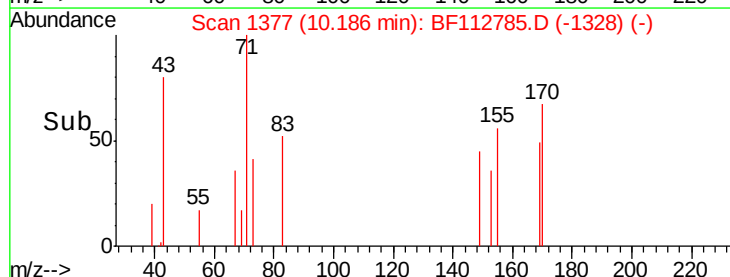
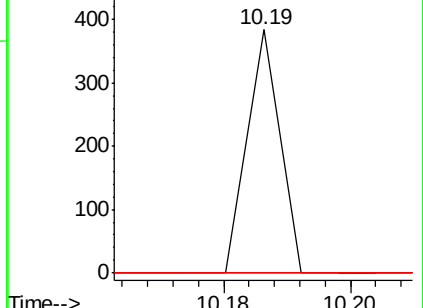
150 0.0 10.0 15.0#

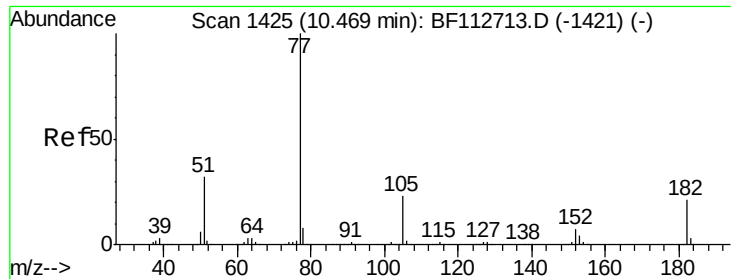


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Azobenzene

Concen: 0.012 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.01 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

Instrument :

BNA_F

ClientSampleId :

B-3(2.5-3.5)

Tgt Ion: 77 Resp: 239

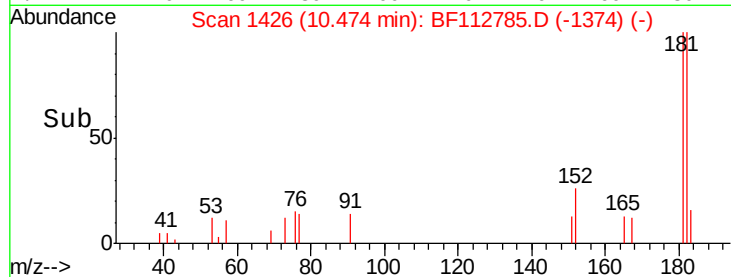
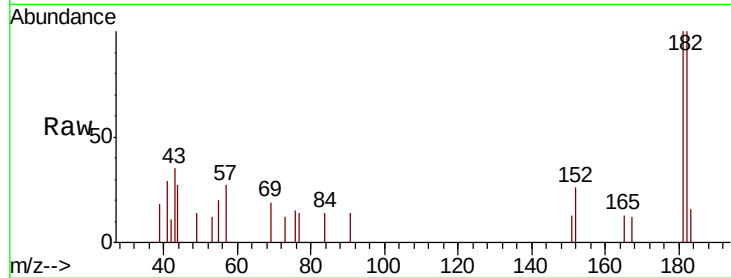
Ion Ratio Lower Upper

77 100

182 720.3 1.4 41.4#

105 0.0 2.6 42.6#

51 0.0 12.0 52.0#

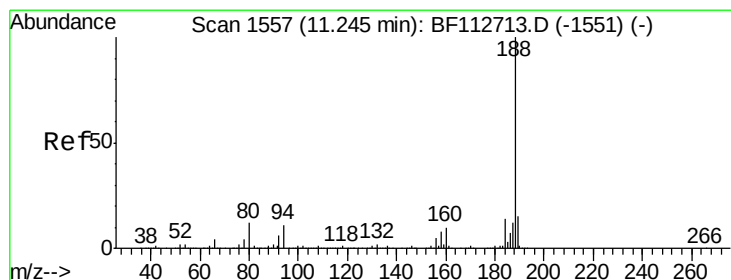
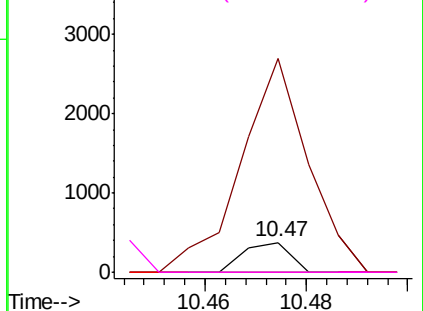


Abundance Ion 77.00 (76.70 to 77.70): BF1

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# 1558

Delta R.T. 0.01 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

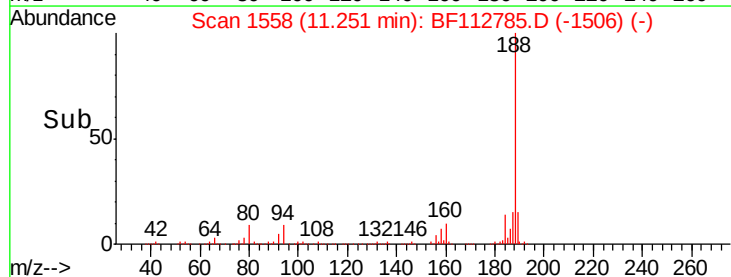
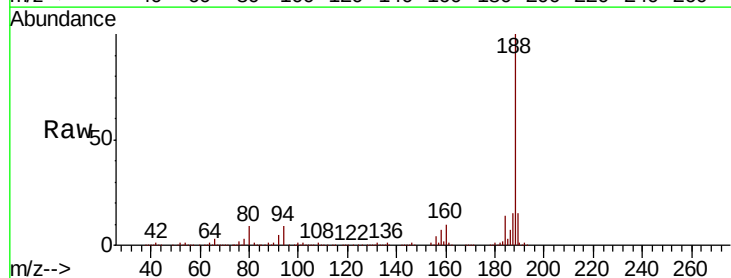
Tgt Ion: 188 Resp: 460967

Ion Ratio Lower Upper

188 100

94 8.8 9.0 13.4#

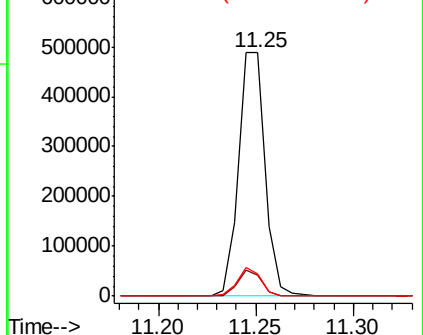
80 9.1 9.2 13.8#

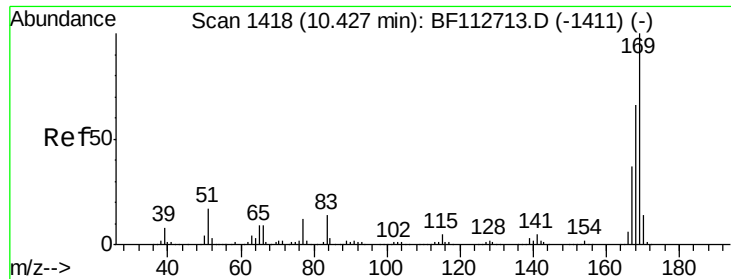


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

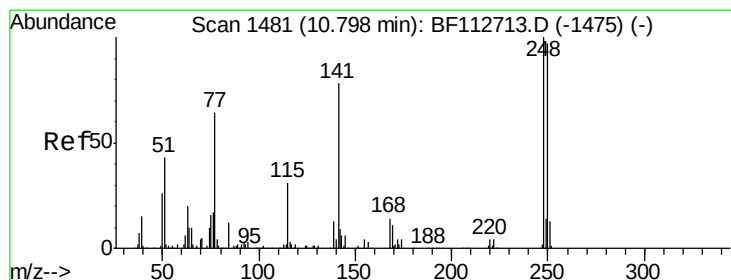
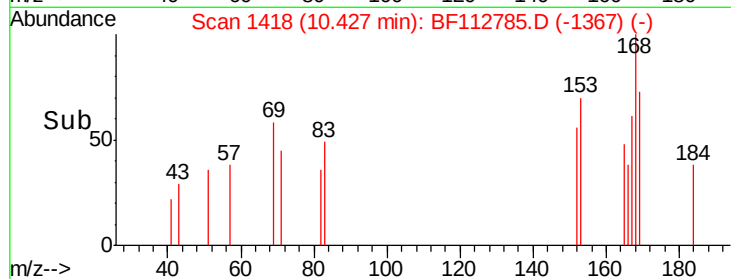
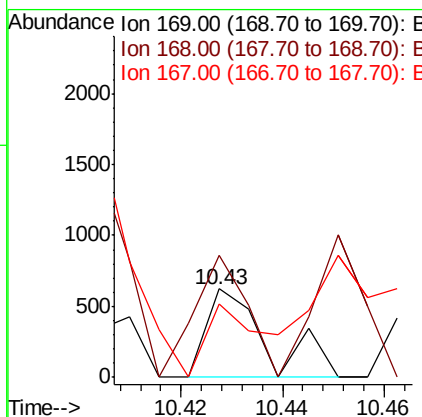
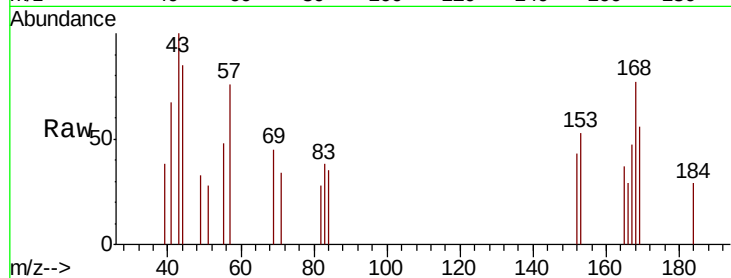




#66
 n-Nitrosodiphenylamine
 Concen: 0.034 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: BF112785.D
 Acq: 1 Mar 2019 2:16

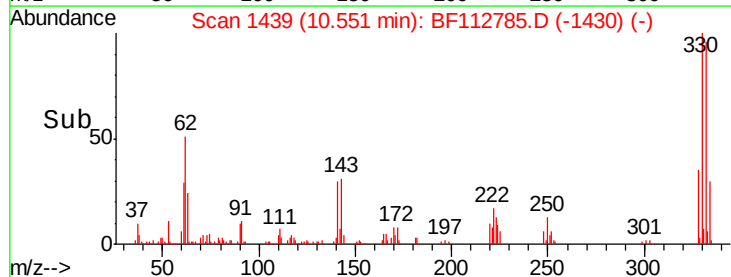
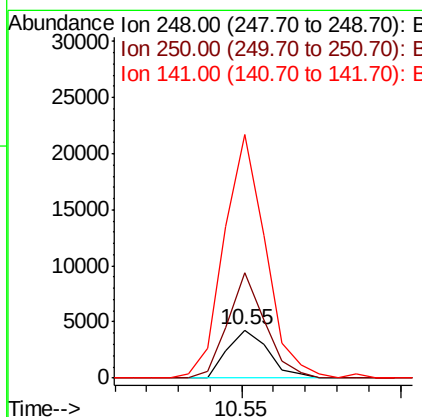
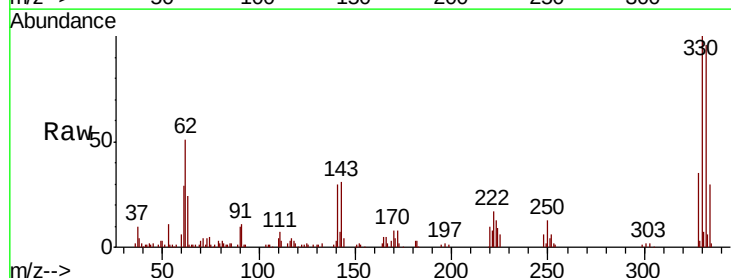
Instrument :
 BNA_F
 ClientSampleId :
 B-3(2.5-3.5)

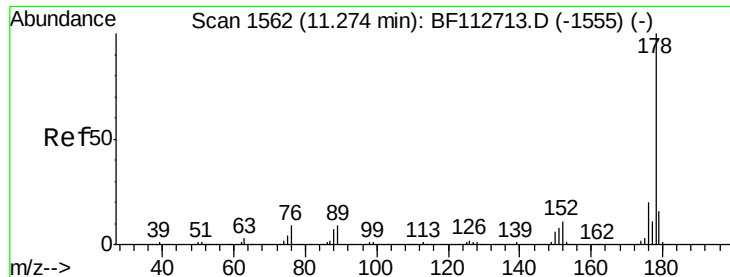
Tgt Ion:169 Resp: 510
 Ion Ratio Lower Upper
 169 100
 168 137.2 53.0 79.6#
 167 83.3 29.3 43.9#



#67
 4-Bromophenyl-phenylether
 Concen: 0.789 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.25 min
 Lab File: BF112785.D
 Acq: 1 Mar 2019 2:16

Tgt Ion:248 Resp: 3833
 Ion Ratio Lower Upper
 248 100
 250 219.5 77.5 116.3#
 141 504.7 62.4 93.6#

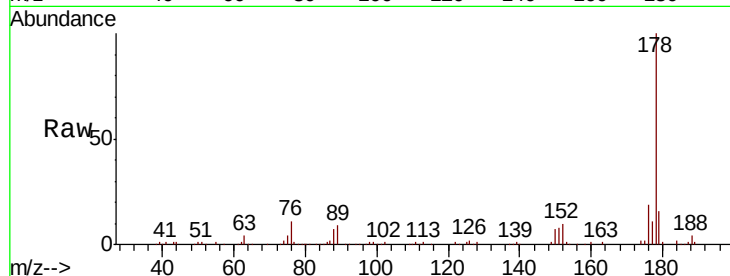




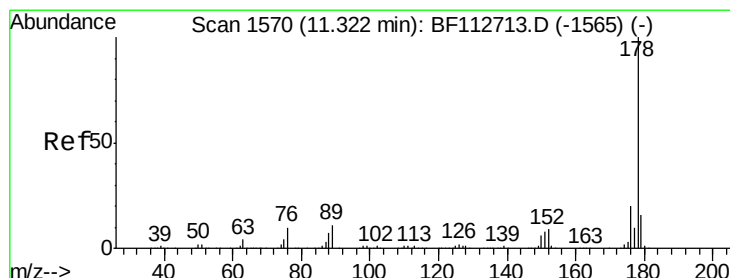
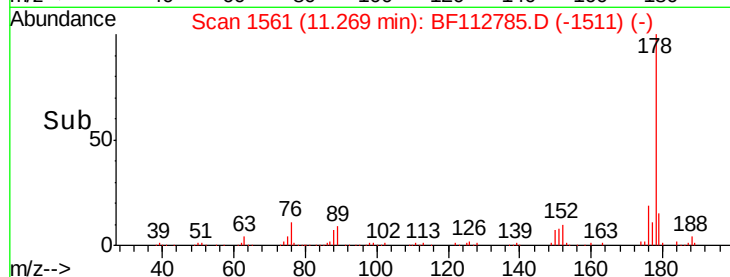
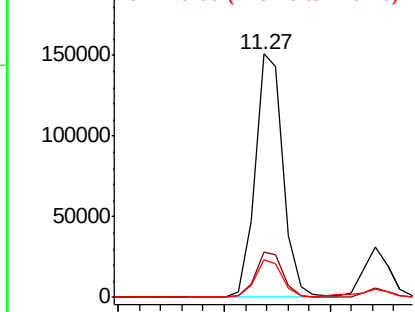
#71
Phenanthrene
Concen: 6.084 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

Instrument :
BNA_F
ClientSampleId :
B-3(2.5-3.5)

Tgt Ion:178 Resp: 139529
Ion Ratio Lower Upper
178 100
176 18.6 16.3 24.5
179 15.6 12.7 19.1

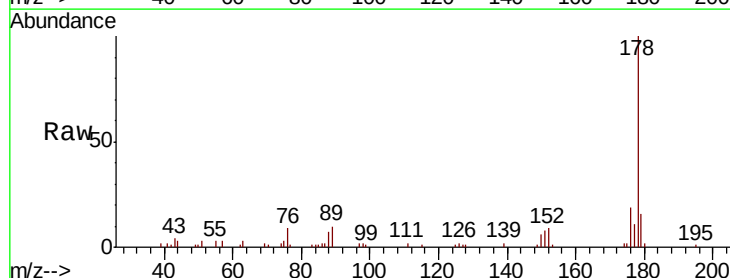


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

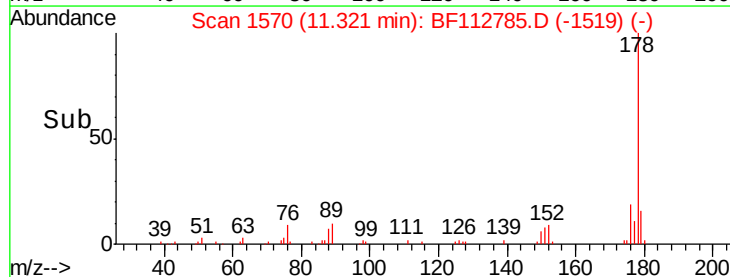
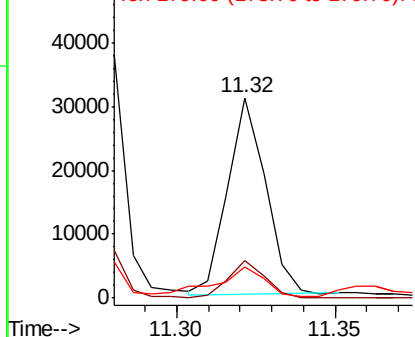


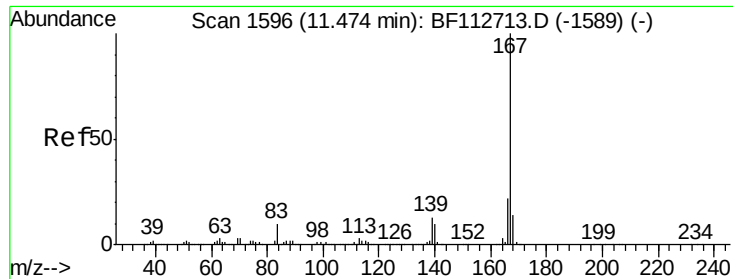
#72
Anthracene
Concen: 1.060 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

Tgt Ion:178 Resp: 25438
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 15.8 13.0 19.6



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

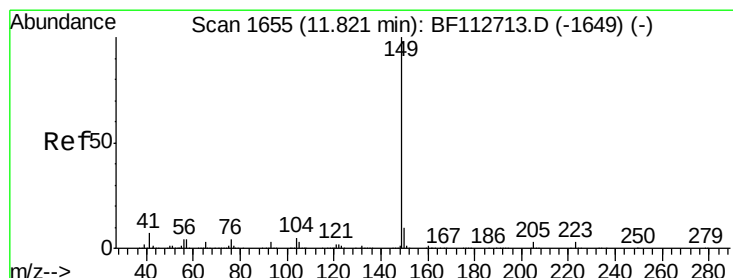
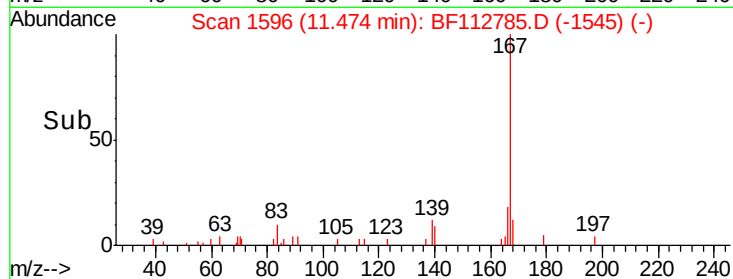
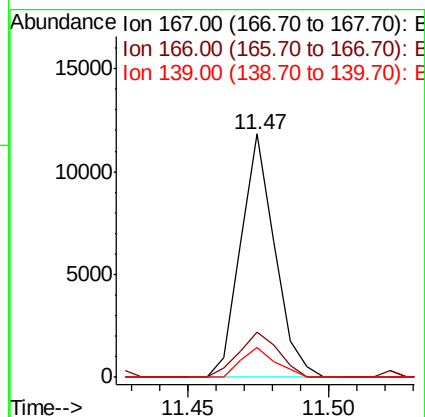
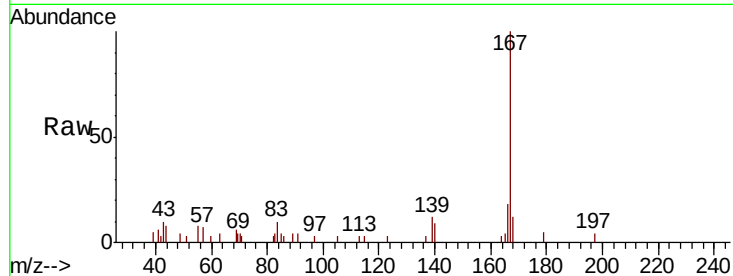




#73
 Carbazole
 Concen: 0.424 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: BF112785.D
 Acq: 1 Mar 2019 2:16

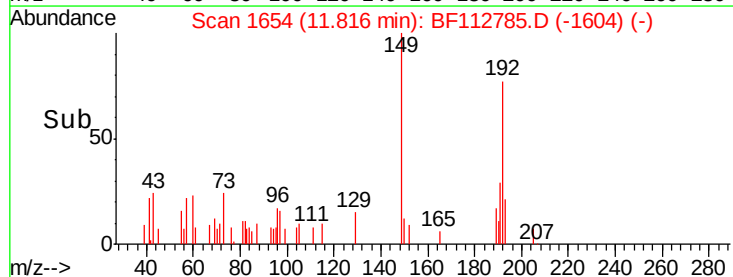
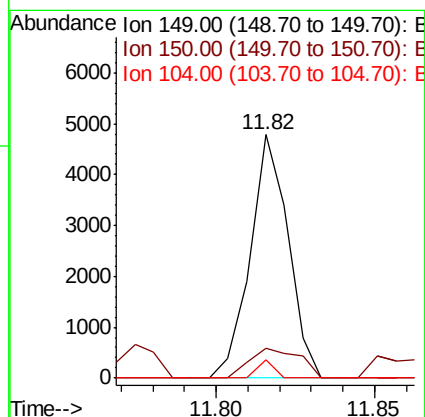
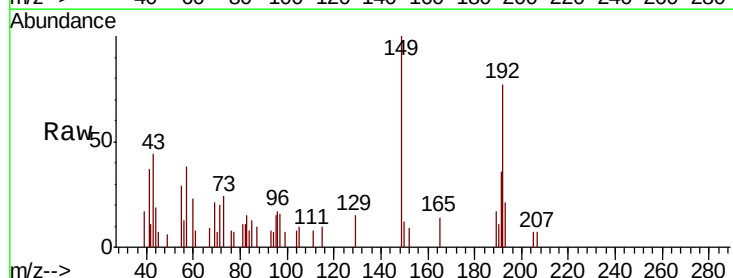
Instrument :
 BNA_F
 ClientSampleId :
 B-3(2.5-3.5)

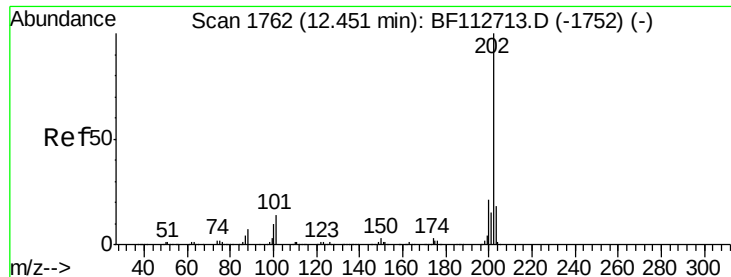
Tgt Ion:167 Resp: 9922
 Ion Ratio Lower Upper
 167 100
 166 18.5 17.5 26.3
 139 12.0 10.8 16.2



#74
 Di-n-butylphthalate
 Concen: 0.141 ng
 RT: 11.82 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BF112785.D
 Acq: 1 Mar 2019 2:16

Tgt Ion:149 Resp: 3962
 Ion Ratio Lower Upper
 149 100
 150 12.1 7.6 11.4#
 104 7.7 3.7 5.5#





#75

Fluoranthene

Concen: 8.571 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

Instrument :

BNA_F

ClientSampleId :

B-3(2.5-3.5)

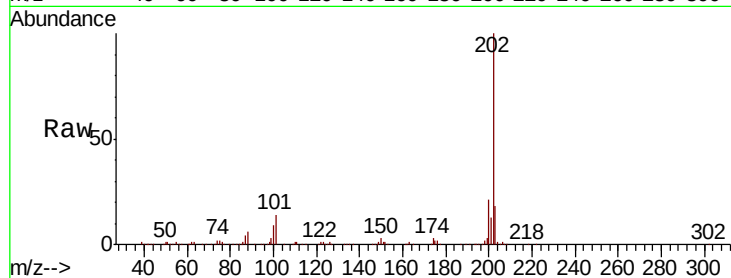
Tgt Ion:202 Resp: 210608

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.8

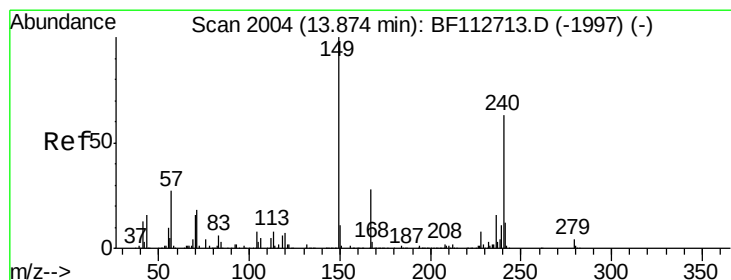
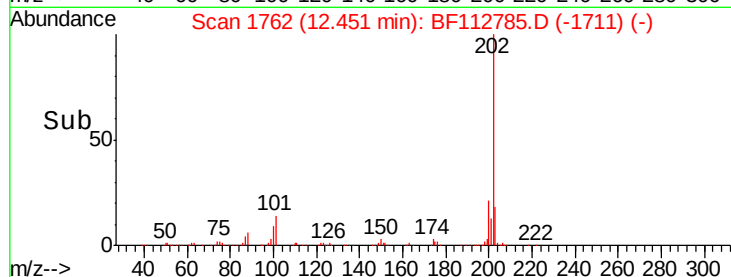
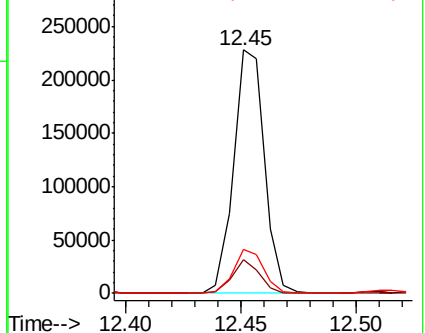
203 17.9 0.0 38.4



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: BF112785.D

Acq: 1 Mar 2019 2:16

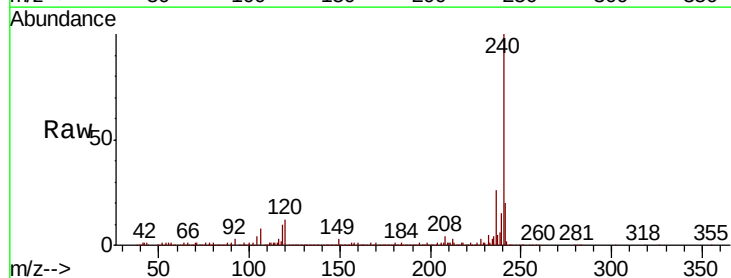
Tgt Ion:240 Resp: 498359

Ion Ratio Lower Upper

240 100

120 11.5 8.9 13.3

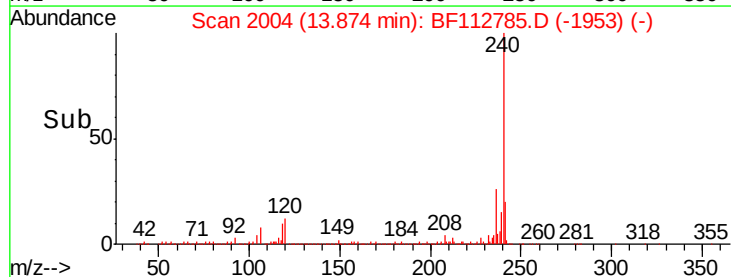
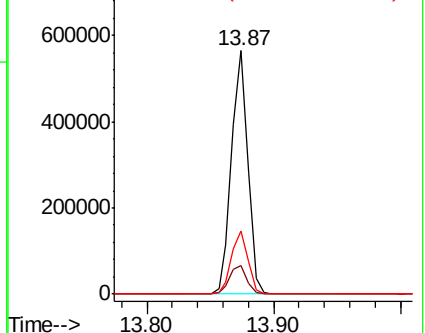
236 26.2 20.7 31.1

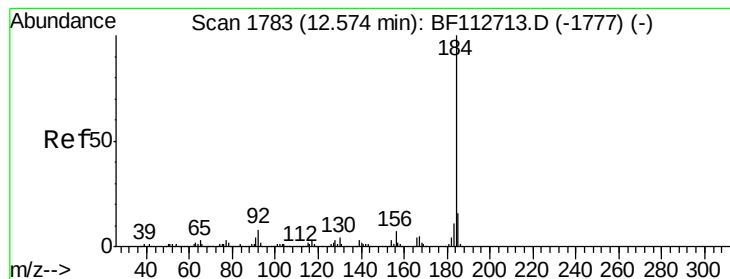


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.125 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.25 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

Instrument :

BNA_F

ClientSampleId :

B-3(2.5-3.5)

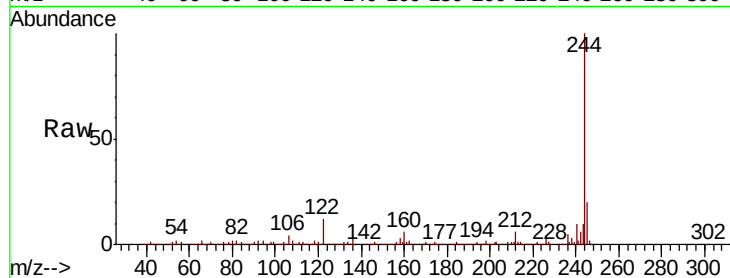
Tgt Ion:184 Resp: 3230

Ion Ratio Lower Upper

184 100

185 16.3 12.6 18.8

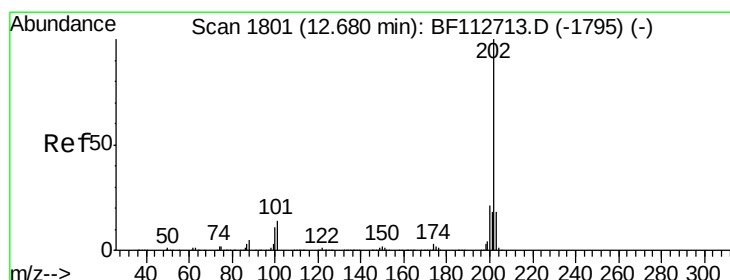
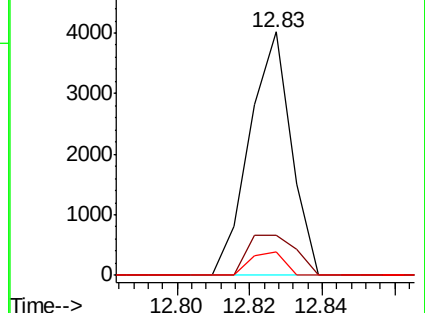
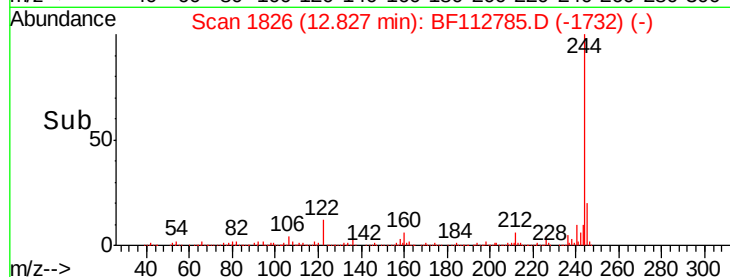
183 9.9 8.6 12.8



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: 5.222 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

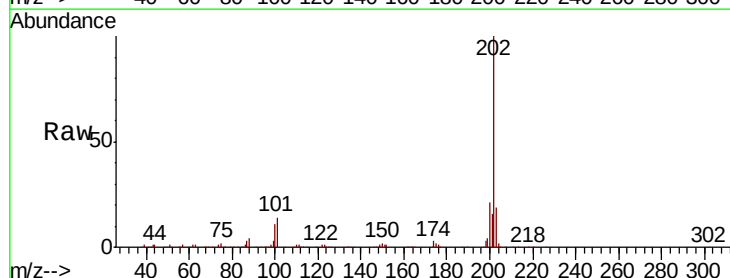
Tgt Ion:202 Resp: 219389

Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.4

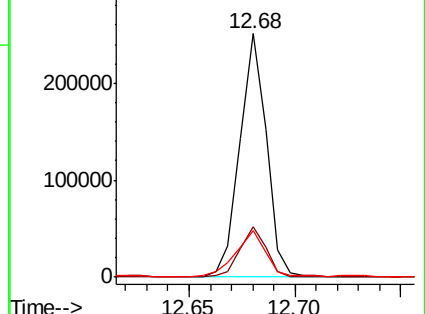
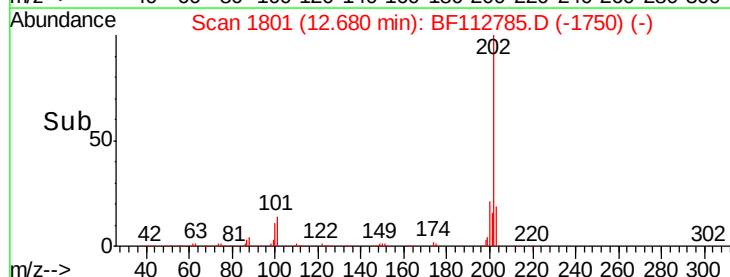
203 18.9 14.4 21.6

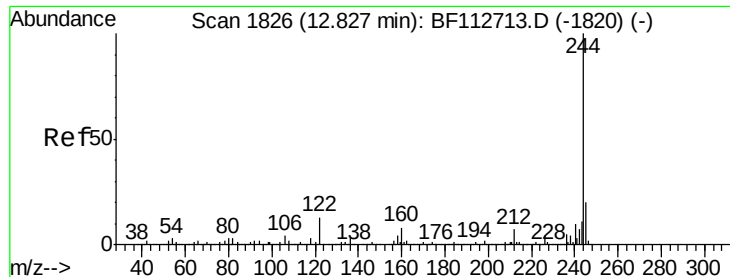


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 11.429 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.00 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

Instrument :

BNA_F

ClientSampleId :

B-3(2.5-3.5)

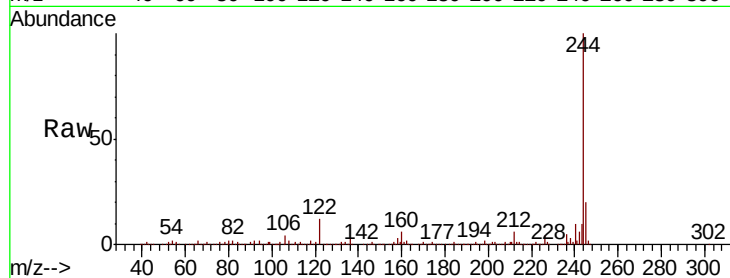
Tgt Ion:244 Resp: 293830

Ion Ratio Lower Upper

244 100

212 6.2 5.6 8.4

122 11.5 10.5 15.7



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

500000

400000

300000

200000

100000

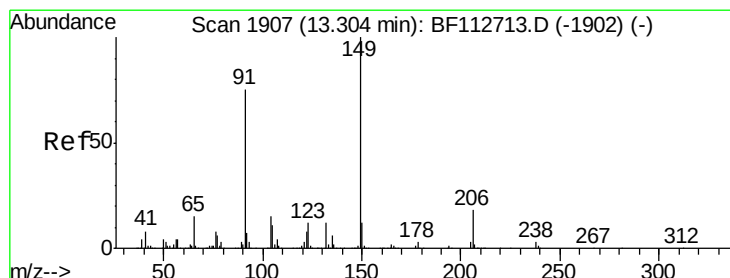
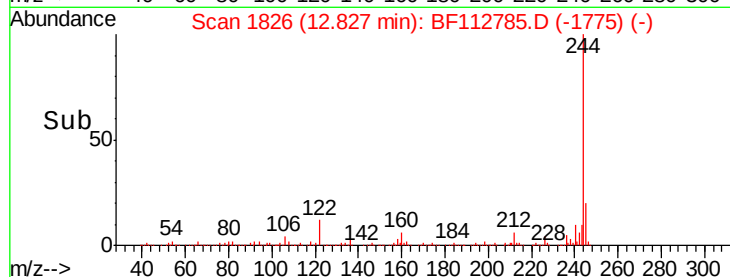
0

12.83

12.80

12.85

Time-->



#80

Butylbenzylphthalate

Concen: 0.085 ng

RT: 13.30 min Scan# 1907

Delta R.T. -0.00 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

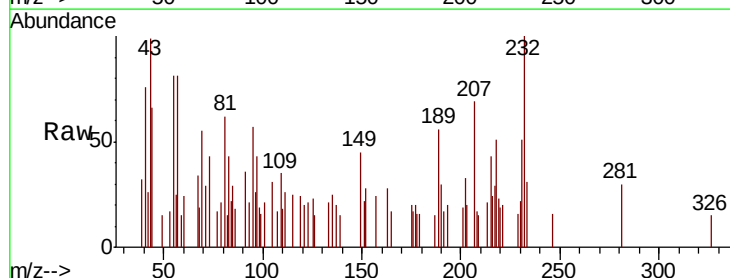
Tgt Ion:149 Resp: 1576

Ion Ratio Lower Upper

149 100

91 78.9 59.9 89.9

206 0.0 14.7 22.1#



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

1200

1000

800

600

400

200

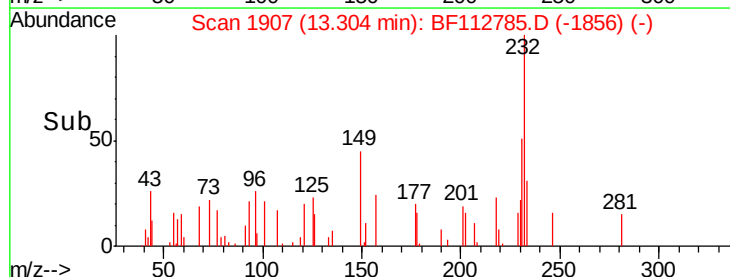
0

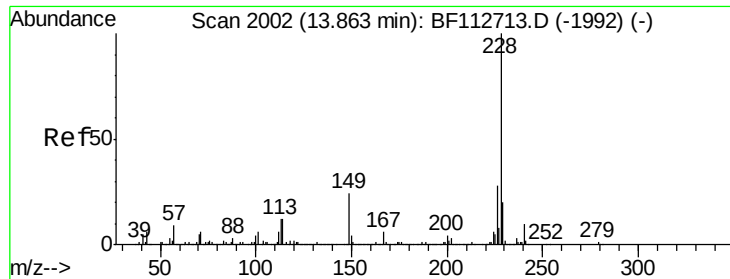
13.30

13.25

13.30

Time-->





#81

Benzo(a)anthracene

Concen: 3.332 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.00 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

Instrument :

BNA_F

ClientSampleId :

B-3(2.5-3.5)

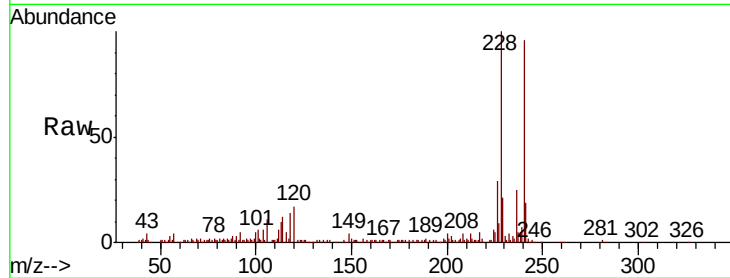
Tgt Ion:228 Resp: 115092

Ion Ratio Lower Upper

228 100

226 28.9 22.2 33.4

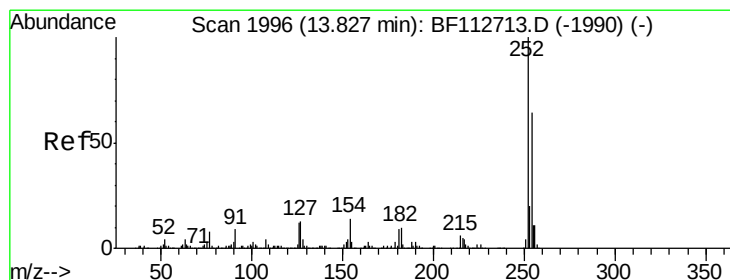
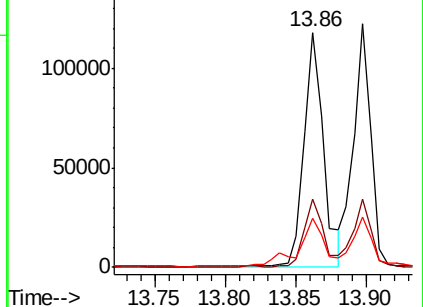
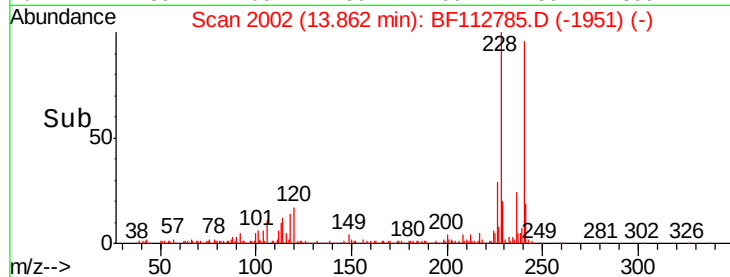
229 20.7 16.0 24.0



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: 0.017 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

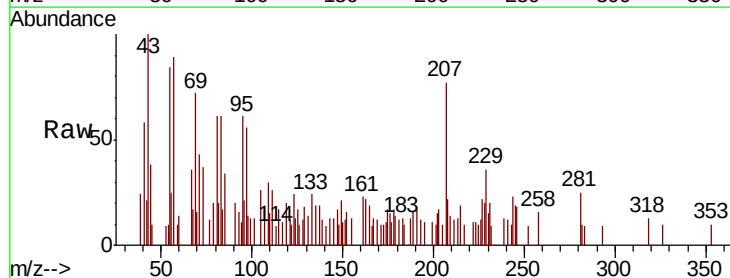
Tgt Ion:252 Resp: 216

Ion Ratio Lower Upper

252 100

254 0.0 51.1 76.7#

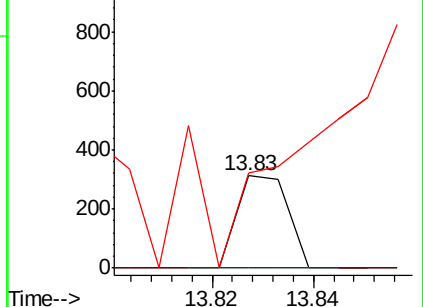
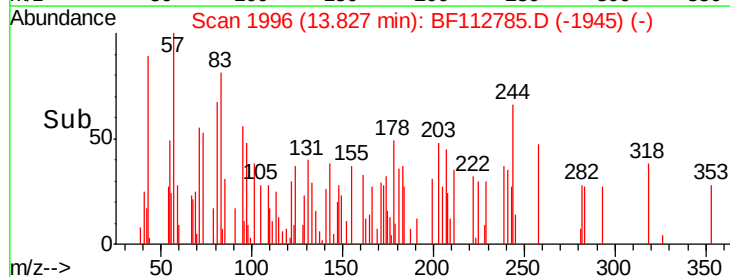
126 103.8 9.9 14.9#

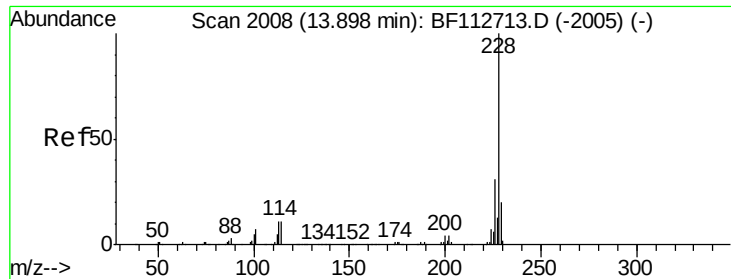


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

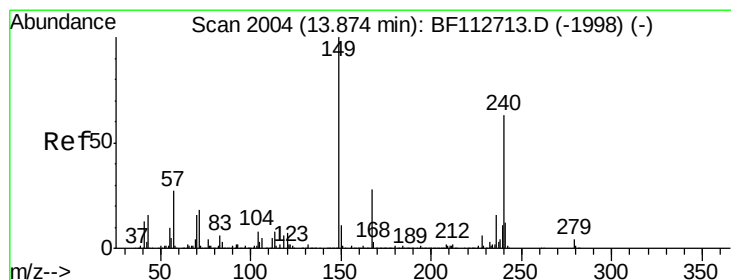
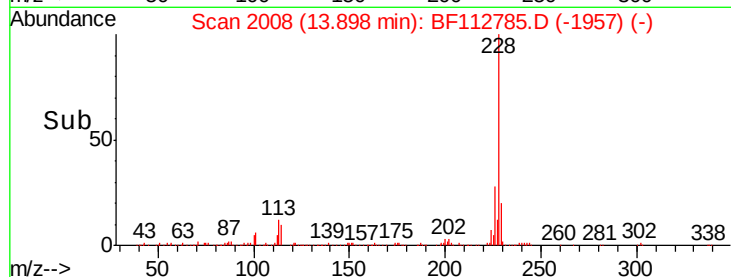
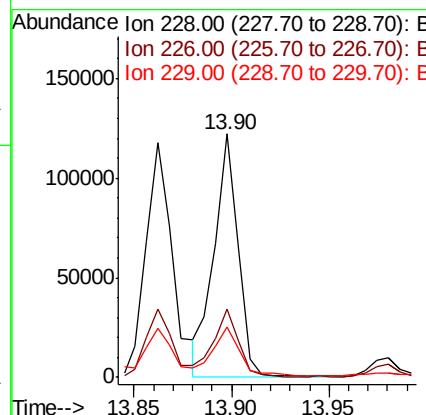
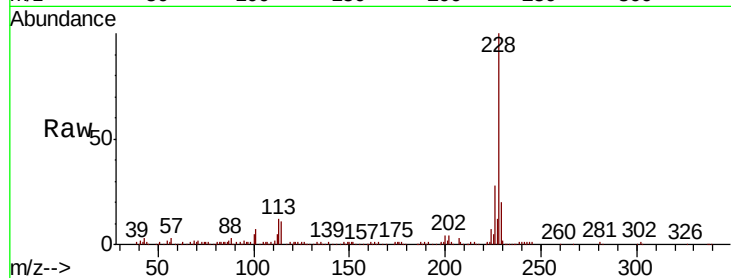




#83
Chrysene
Concen: 3.120 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

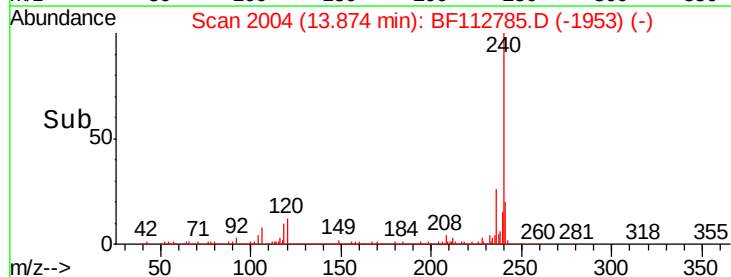
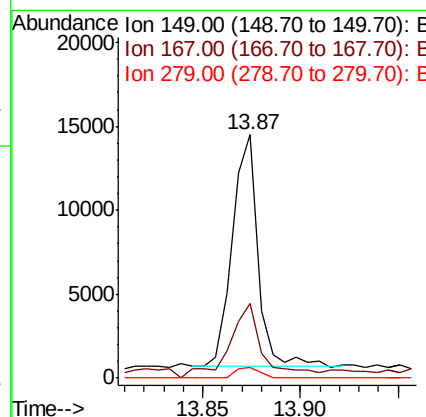
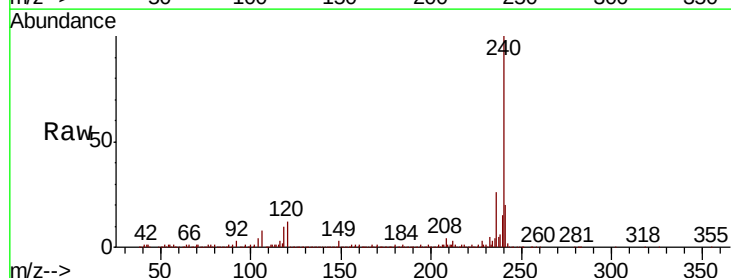
Instrument :
BNA_F
ClientSampleId :
B-3(2.5-3.5)

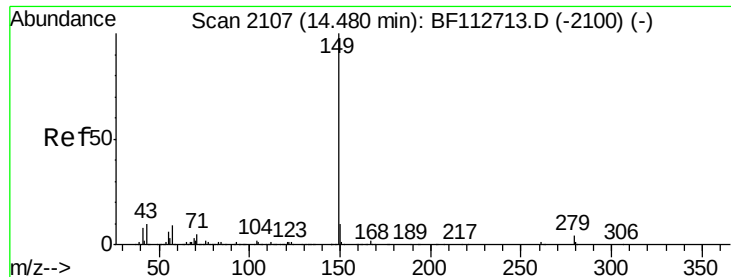
Tgt Ion:228 Resp: 105553
Ion Ratio Lower Upper
228 100
226 28.0 24.9 37.3
229 20.4 16.3 24.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 0.580 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

Tgt Ion:149 Resp: 12615
Ion Ratio Lower Upper
149 100
167 30.7 22.4 33.6
279 4.6 3.3 4.9

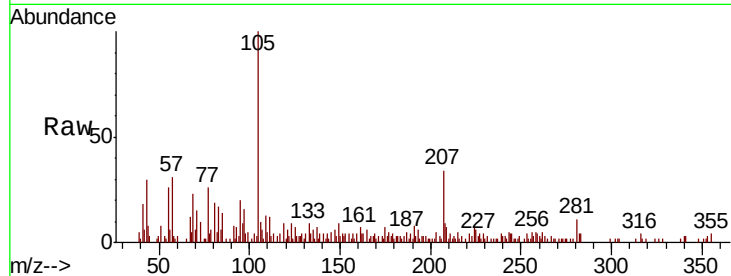




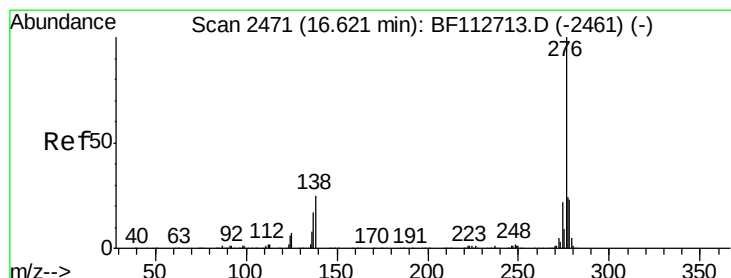
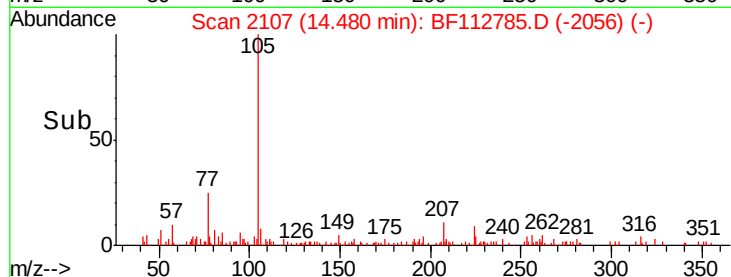
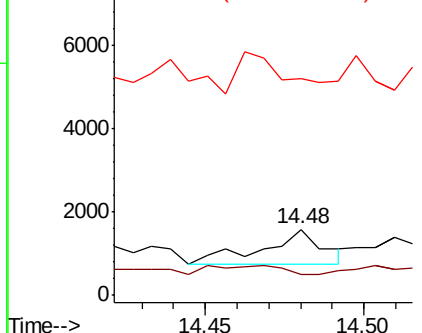
#85
Di-n-octyl phthalate
Concen: 0.029 ng
RT: 14.48 min Scan# 2107
Delta R.T. -0.00 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

Instrument :
BNA_F
ClientSampleId :
B-3(2.5-3.5)

Tgt Ion:149 Resp: 1077
Ion Ratio Lower Upper
149 100
167 30.8 1.2 1.8#
43 91.4 9.0 13.4#

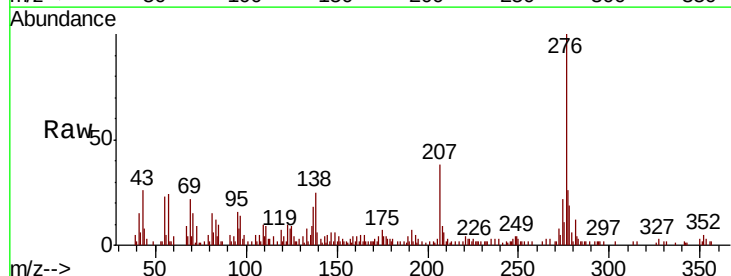


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

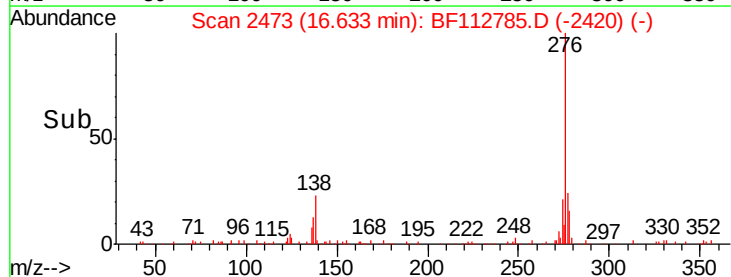
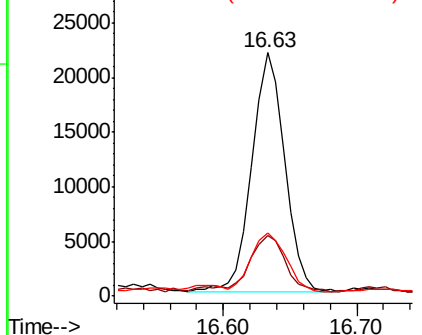


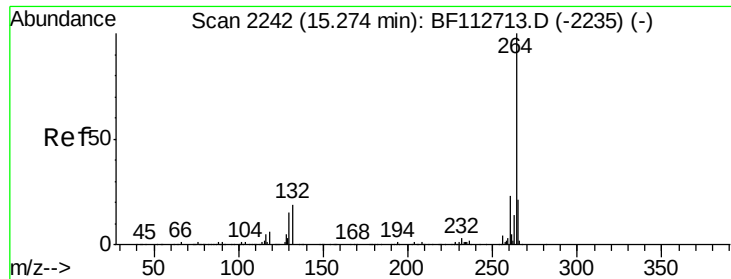
#86
Indeno(1,2,3-cd)pyrene
Concen: 1.288 ng
RT: 16.63 min Scan# 2473
Delta R.T. 0.01 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

Tgt Ion:276 Resp: 37163
Ion Ratio Lower Upper
276 100
138 26.0 23.2 34.8
277 26.7 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: 15.29 min Scan# 2244

Delta R.T. 0.01 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

Instrument :

BNA_F

ClientSampleId :

B-3(2.5-3.5)

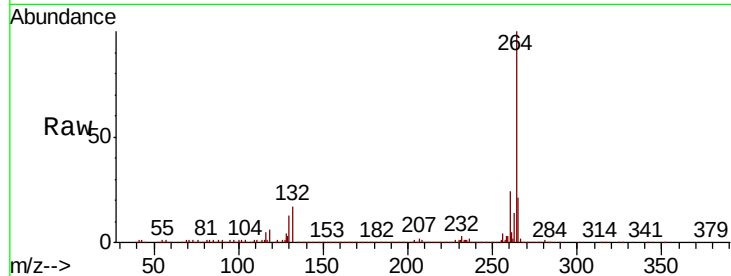
Tgt Ion:264 Resp: 469163

Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

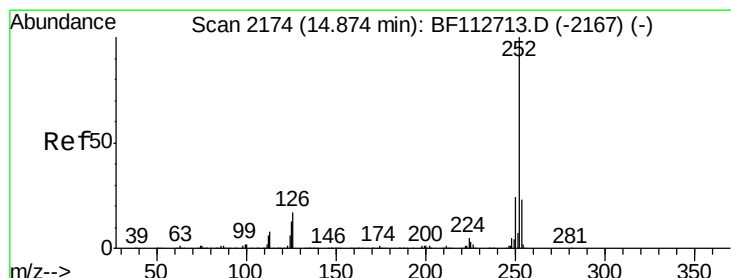
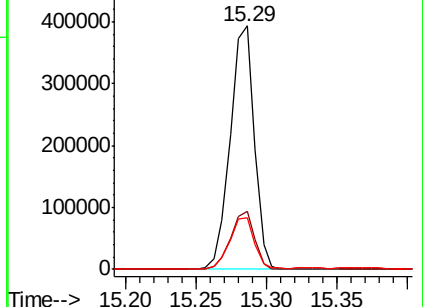
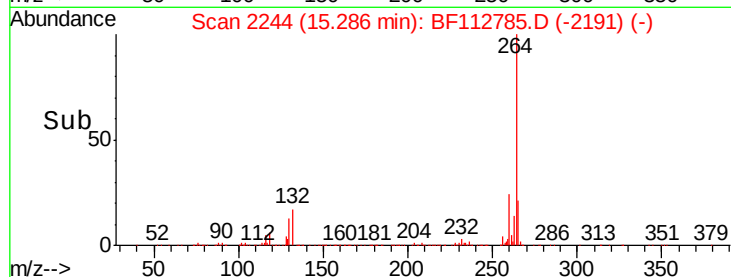
265 21.2 17.2 25.8



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: 5.009 ng

RT: 14.88 min Scan# 2175

Delta R.T. 0.01 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

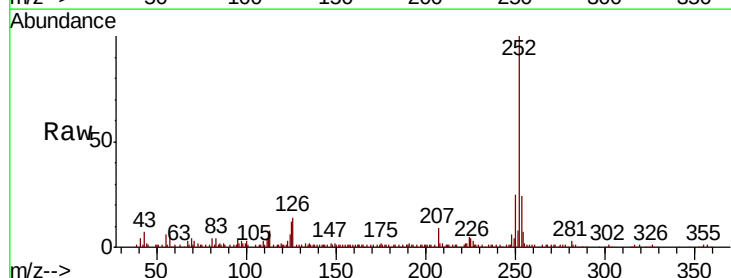
Tgt Ion:252 Resp: 152000

Ion Ratio Lower Upper

252 100

253 24.2 18.0 27.0

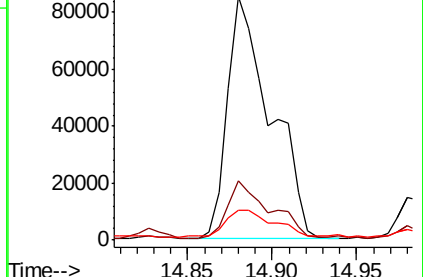
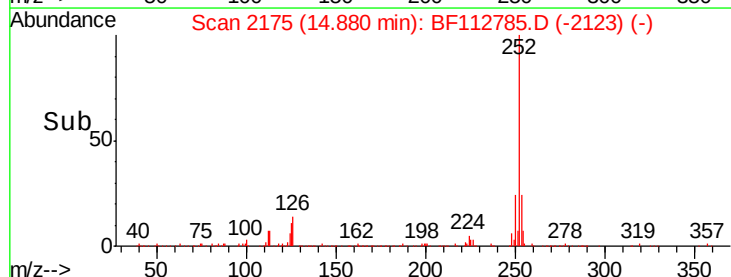
125 12.3 10.2 15.2

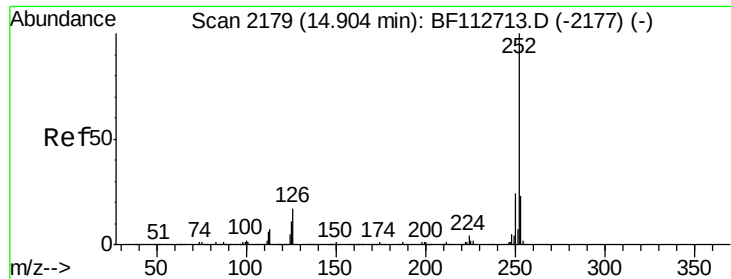


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

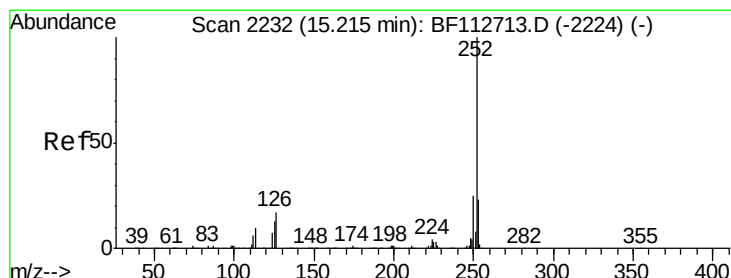
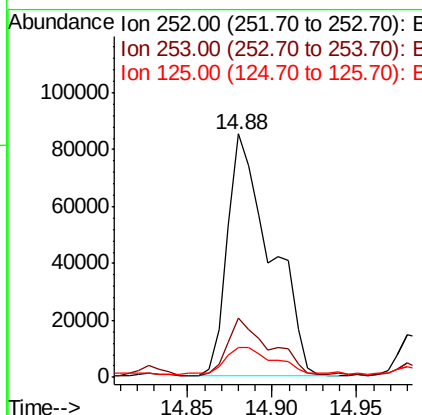
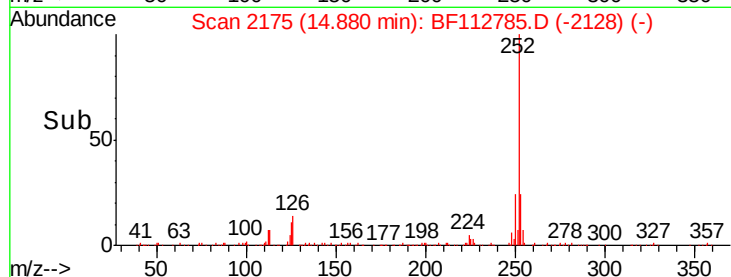
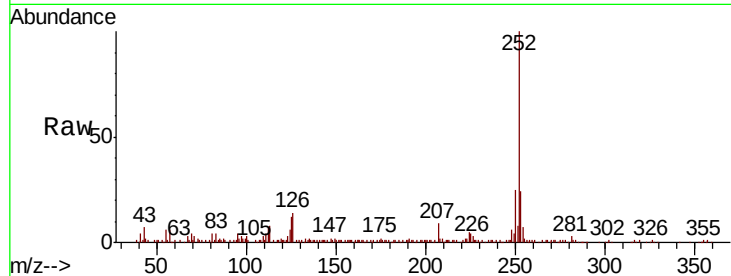




#89
Benzo(k)fluoranthene
Concen: 5.530 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

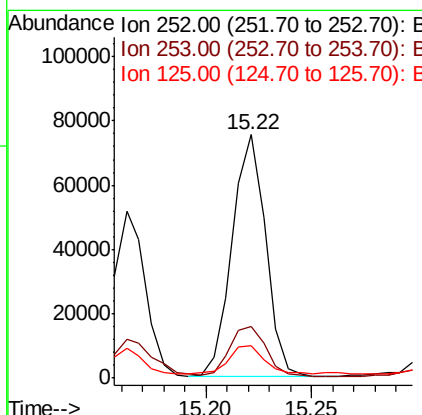
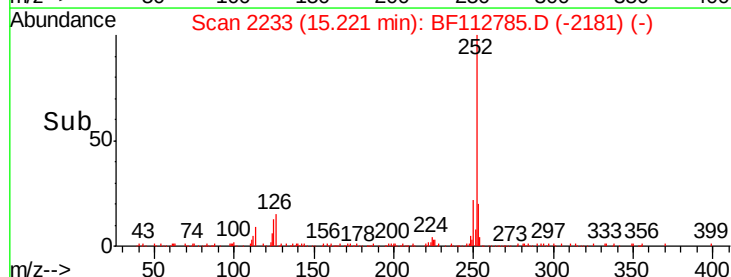
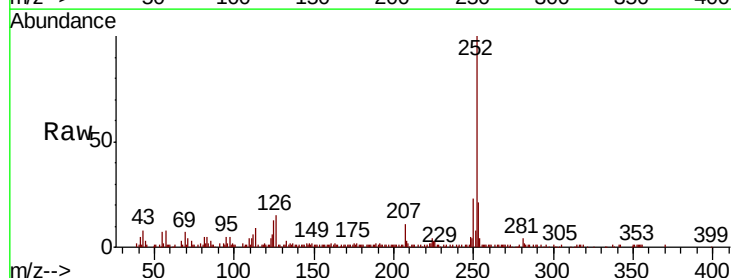
Instrument :
BNA_F
ClientSampleId :
B-3(2.5-3.5)

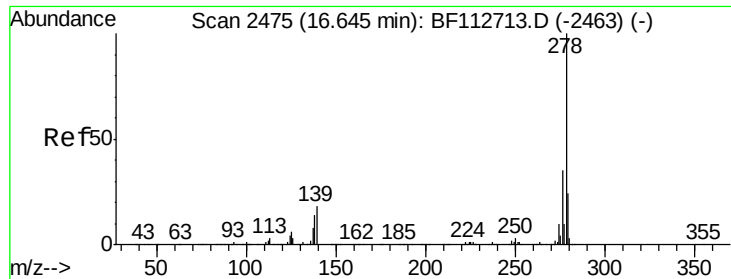
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.2
125	12.3	9.8	14.6



#90
Benzo(a)pyrene
Concen: 3.090 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF112785.D
Acq: 1 Mar 2019 2:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.0	27.0
125	13.3	10.7	16.1





#91

Dibenzo(a,h)anthracene

Concen: 0.486 ng

RT: 16.64 min Scan# 2475

Delta R.T. -0.00 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

Instrument :

BNA_F

ClientSampleId :

B-3(2.5-3.5)

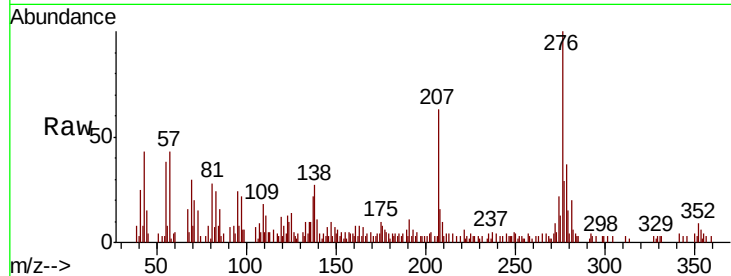
Tgt Ion:278 Resp: 11134

Ion Ratio Lower Upper

278 100

139 30.6 14.3 21.5#

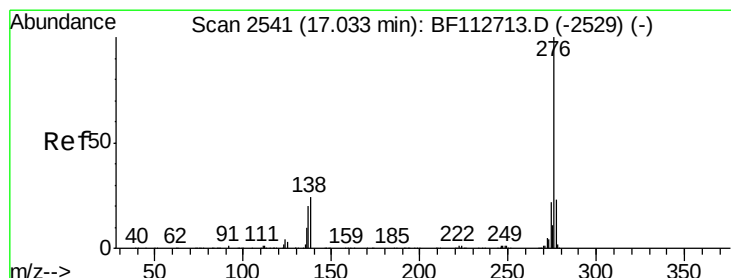
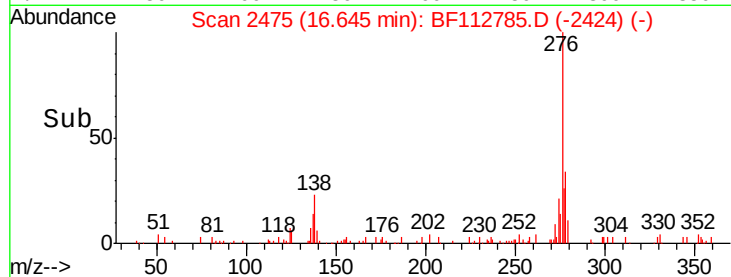
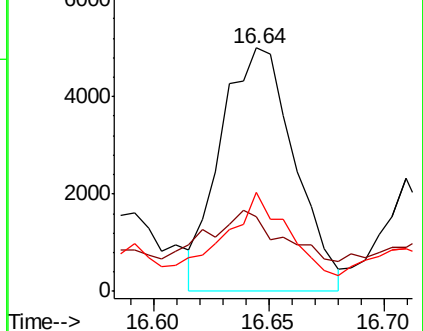
279 40.7 19.4 29.0#



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: 1.481 ng

RT: 17.04 min Scan# 2542

Delta R.T. 0.01 min

Lab File: BF112785.D

Acq: 1 Mar 2019 2:16

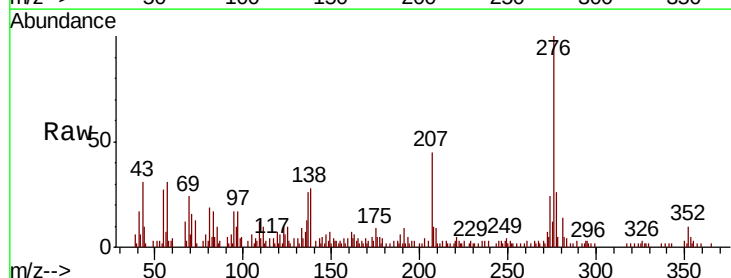
Tgt Ion:276 Resp: 34064

Ion Ratio Lower Upper

276 100

277 26.3 18.6 27.8

138 28.2 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

