

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
 Data File : BF112736.D
 Acq On : 27 Feb 2019 23:18
 Operator : JU/SJ
 Sample : K1594-39 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-9(4-5)

Quant Time: Feb 28 02:05:41 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	6.74	152	184456	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	655682	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	270190	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	537813	20.00	ng	0.00
76) Chrysene-d12	13.87	240	481426	20.00	ng	0.00
87) Perylene-d12	15.28	264	312871	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	187495	15.81	ng	-0.01
7) Phenol-d6	6.36	99	236056	15.85	ng	-0.01
23) Nitrobenzene-d5	7.29	82	118826	10.84	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	46627	16.26	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	223725	1.21	ng	0.00
79) Terphenyl-d14	12.83	244	258905	10.43	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.39	93	302	0.015	ng	# 42
9) Benzaldehyde	6.28	77	228	0.021	ng	# 1
10) Phenol	6.37	94	3581	0.206	ng	# 98
11) bis(2-Chloroethyl)ether	6.50	93	152	0.011	ng	# 1
15) Benzyl Alcohol	6.90	79	2475	0.218	ng	# 39
16) 2,2'-oxybis(1-Chloropropan	7.06	45	114	0.005	ng	# 71
17) 2-Methylphenol	7.14	107	145	0.014	ng	# 3
19) n-Nitroso-di-n-propylamine	7.29	70	15440	1.637	ng	# 79
20) 3+4-Methylphenols	7.14	107	145	0.012	ng	# 55
22) Acetophenone	7.14	105	360	0.023	ng	# 45
24) Nitrobenzene	7.29	77	428	0.035	ng	# 38
25) Isophorone	7.29	82	118656	5.026	ng	# 66
27) 2,4-Dimethylphenol	7.70	122	425	0.045	ng	# 4
28) bis(2-Chloroethoxy)methane	7.53	93	108	0.007	ng	# 49
31) Naphthalene	8.04	128	1281	0.039	ng	# 68
32) Benzoic acid	7.70	122	425	0.064	ng	# 97
37) 2-Methylnaphthalene	8.73	142	1509	0.072	ng	# 91
38) 1-Methylnaphthalene	8.83	142	864	0.042	ng	# 95
46) 1,1'-Biphenyl	9.19	154	989	0.045	ng	# 76
47) 2-Chloronaphthalene	9.39	162	122	0.007	ng	# 37
48) 2-Nitroaniline	9.29	65	113	0.022	ng	# 4
49) Acenaphthylene	9.63	152	1824	0.062	ng	# 69
50) Dimethylphthalate	9.49	163	13196	0.662	ng	# 97
51) 2,6-Dinitrotoluene	9.77	165	34012	8.198	ng	# 18
52) Acenaphthene	9.80	154	371	0.022	ng	# 83
55) Dibenzofuran	9.97	168	497	0.020	ng	# 73
56) 4-Nitrophenol	9.97	139	258	0.063	ng	# 73
57) 2,4-Dinitrotoluene	9.77	165	34012	6.595	ng	# 17
58) Fluorene	10.31	166	779	0.044	ng	# 90
60) Diethylphthalate	10.19	149	1816	0.086	ng	# 24
63) Azobenzene	10.43	77	244	0.011	ng	# 27
66) n-Nitrosodiphenylamine	10.43	169	1158	0.067	ng	# 41
67) 4-Bromophenyl-phenylether	10.55	248	2868	0.506	ng	# 1
71) Phenanthrene	11.27	178	11323	0.423	ng	# 96

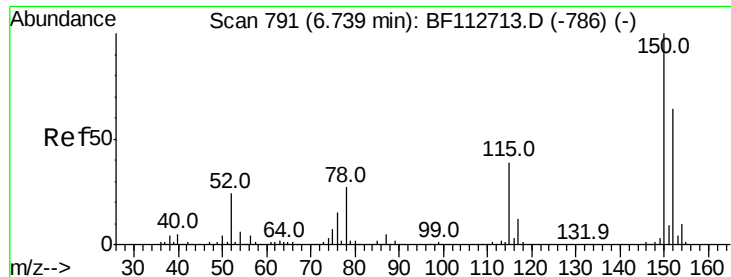
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) Anthracene	11.27	178	11323	0.404	nq	96
73) Carbazole	11.47	167	2170	0.079	nq #	63
74) Di-n-butylphthalate	11.82	149	2337	0.071	nq #	39
75) Fluoranthene	12.45	202	15730	0.549	nq	97
77) Benzidine	12.63	184	949	0.038	nq #	1
78) Pyrene	12.45	202	15730	0.388	nq	97
80) Butylbenzylphthalate	13.13	149	1679	0.094	nq	90
81) Benzo(a)anthracene	13.86	228	8648	0.259	nq #	56
82) 3,3'-Dichlorobenzidine	13.80	252	1233	0.098	nq #	71
83) Chrysene	13.89	228	12215	0.374	nq #	77
84) Bis(2-ethylhexyl)phthalate	13.87	149	9219	0.439	nq #	94
85) Di-n-octyl phthalate	14.52	149	19159	0.531	nq #	73
86) Indeno(1,2,3-cd)pyrene	16.63	276	4148	0.149	nq #	82
88) Benzo(b)fluoranthene	14.88	252	10825	0.535	nq #	1
89) Benzo(k)fluoranthene	14.88	252	10825	0.591	nq #	1
90) Benzo(a)pyrene	15.22	252	4435	0.248	nq #	1
91) Dibenzo(a,h)anthracene	16.62	278	266	0.017	nq #	1
92) Benzo(g,h,i)perylene	17.04	276	4475	0.292	nq #	36

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

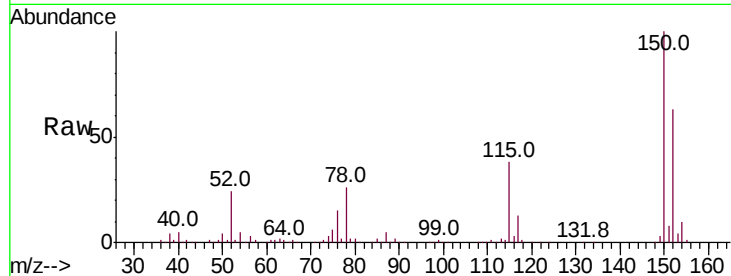


#1

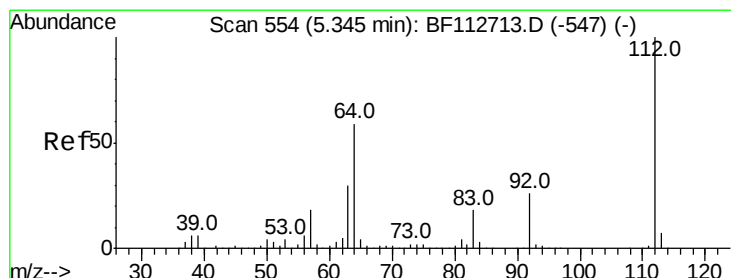
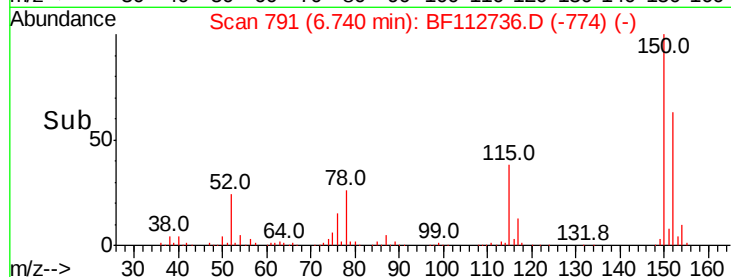
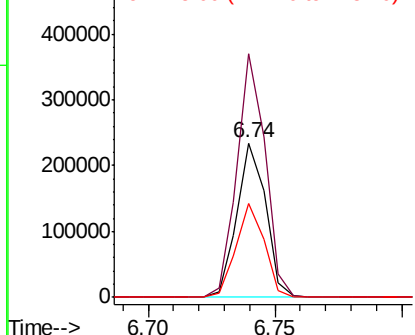
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF112736.D
Acq: 27 Feb 2019 23:18

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:152 Resp: 184456
Ion Ratio Lower Upper
152 100
150 157.5 124.2 186.2
115 60.4 48.2 72.4



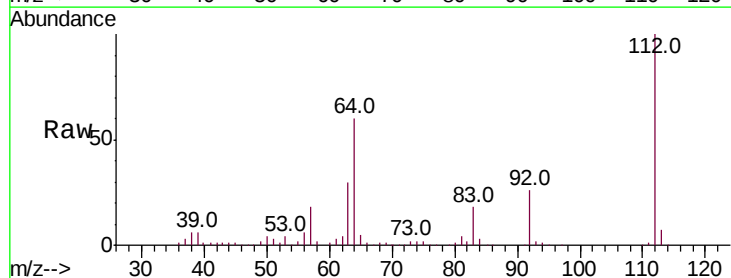
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



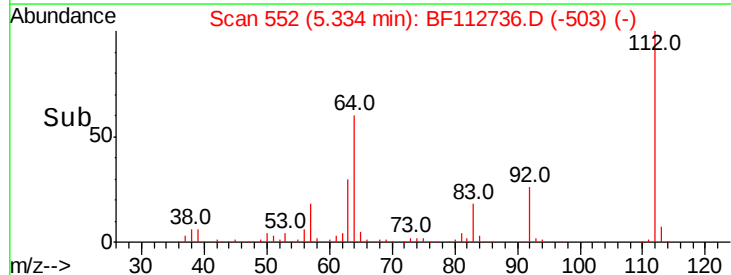
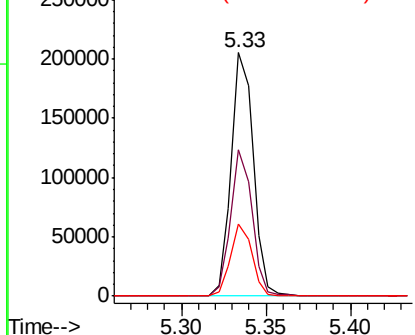
#5

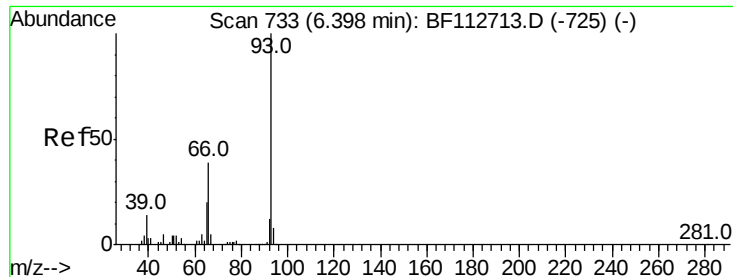
2-Fluorophenol
Concen: 15.812 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF112736.D
Acq: 27 Feb 2019 23:18

Tgt Ion:112 Resp: 187495
Ion Ratio Lower Upper
112 100
64 60.2 47.6 71.4
63 29.8 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: 0.015 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

Instrument :

BNA_F

ClientSampleId :

B-9(4-5)

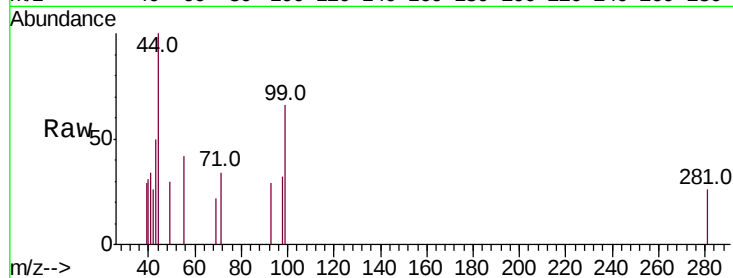
Tot Ion: 93 Resp: 302

Ion Ratio Lower Upper

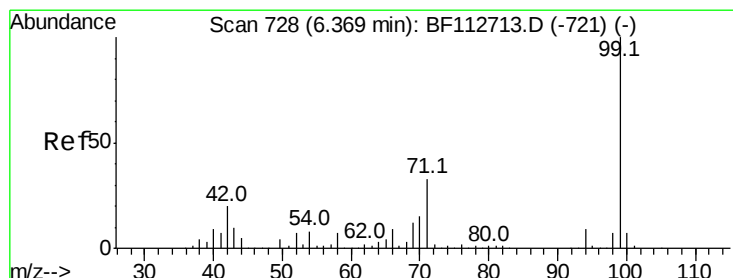
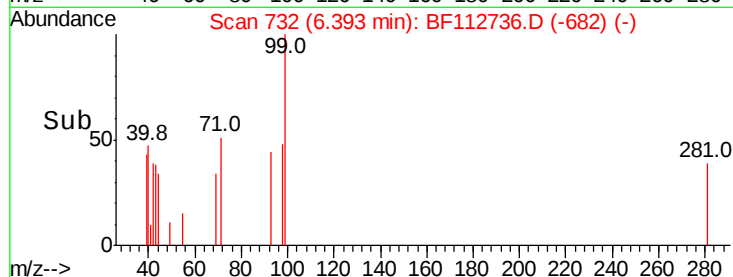
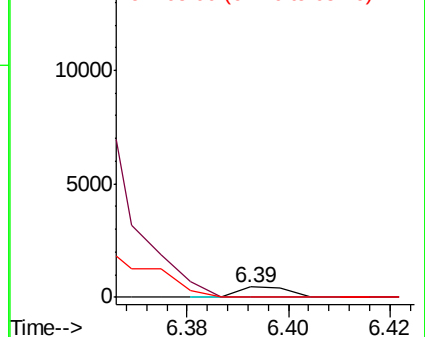
93 100

66 0.0 32.2 48.2#

65 0.0 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: 15.847 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

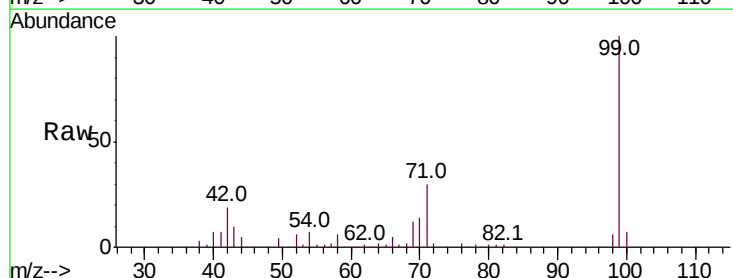
Tgt Ion: 99 Resp: 236056

Ion Ratio Lower Upper

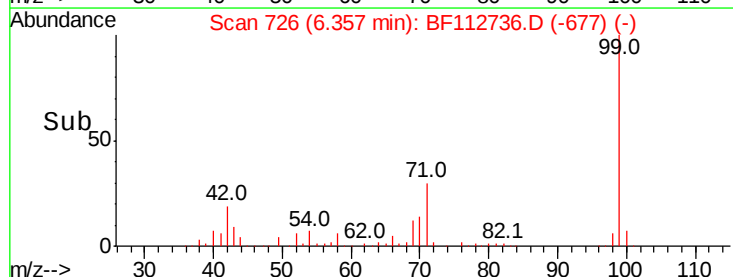
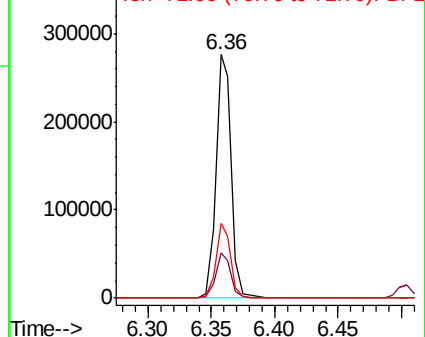
99 100

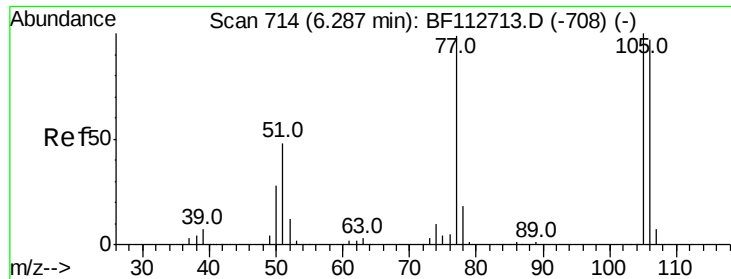
42 18.8 16.3 24.5

71 30.5 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: 0.021 ng

RT: 6.28 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

Instrument :

BNA_F

ClientSampleId :

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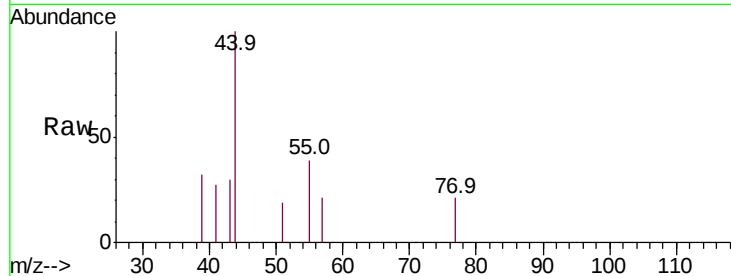
Tot Ion: 77 Resp: 228

Ion Ratio Lower Upper

77 100

105 0.0 81.4 121.4#

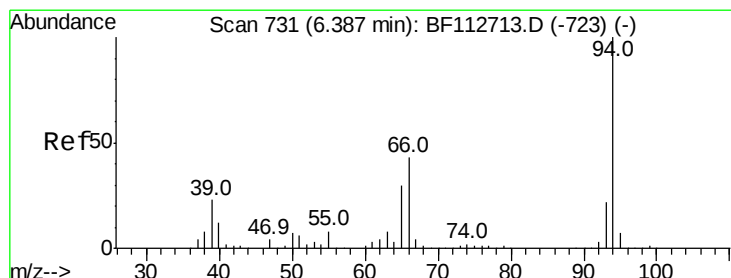
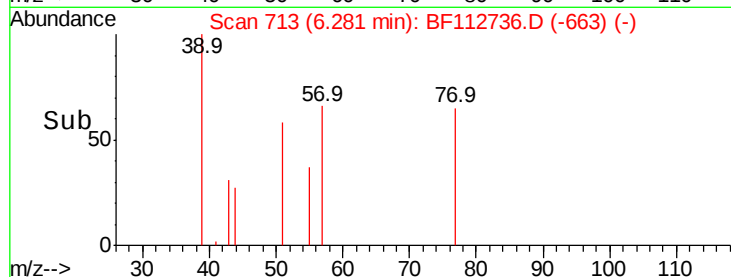
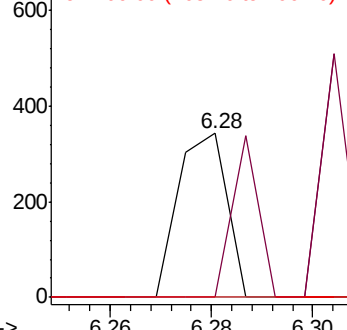
106 0.0 78.3 118.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 0.206 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

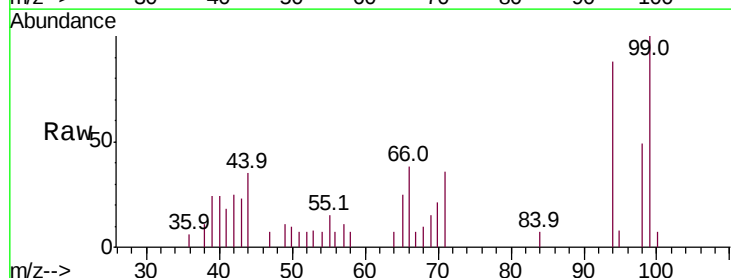
Tgt Ion: 94 Resp: 3581

Ion Ratio Lower Upper

94 100

65 28.7 10.5 50.5

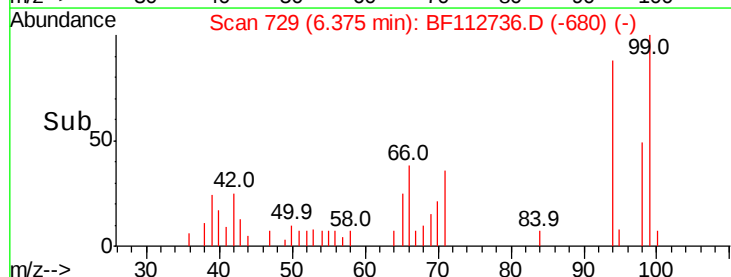
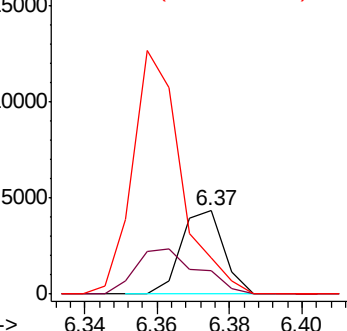
66 43.5 22.6 62.6

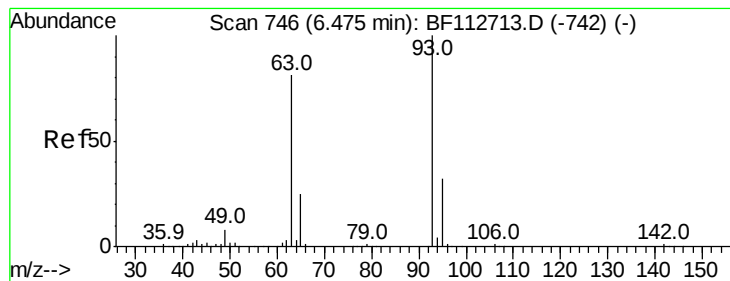


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 0.011 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.03 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

Instrument :

BNA_F

ClientSampleId :

B-9(4-5)

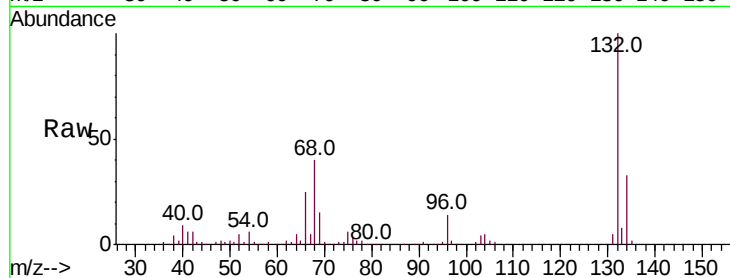
Tot Ion: 93 Resp: 152

Ion Ratio Lower Upper

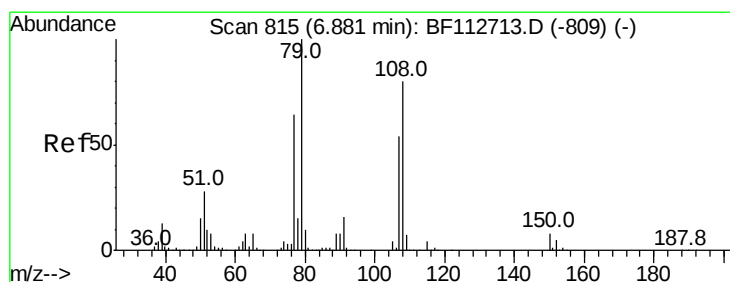
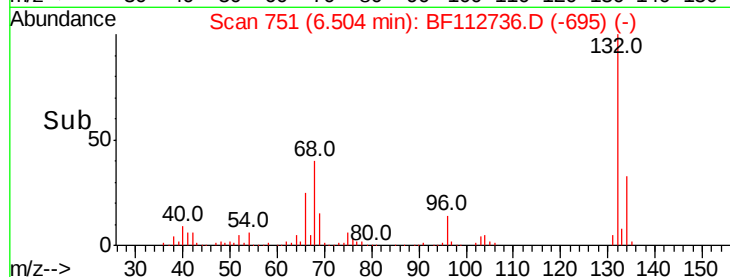
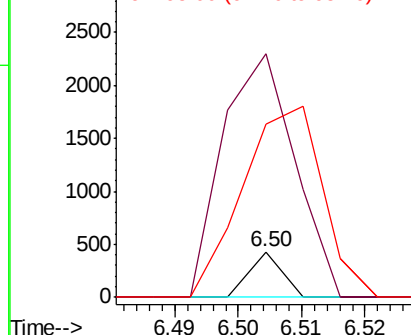
93 100

63 531.9 60.5 100.5#

95 378.9 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: 0.218 ng

RT: 6.90 min Scan# 818

Delta R.T. 0.02 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

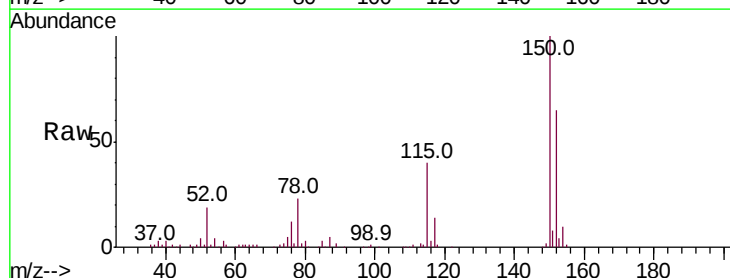
Tgt Ion: 79 Resp: 2475

Ion Ratio Lower Upper

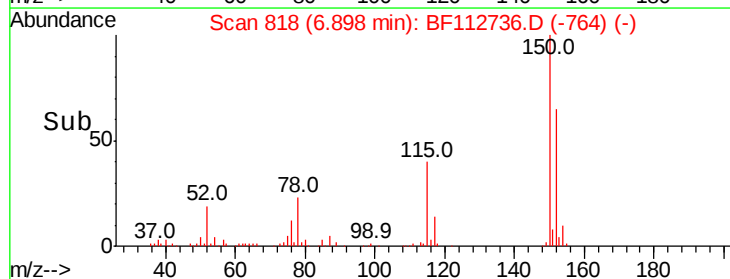
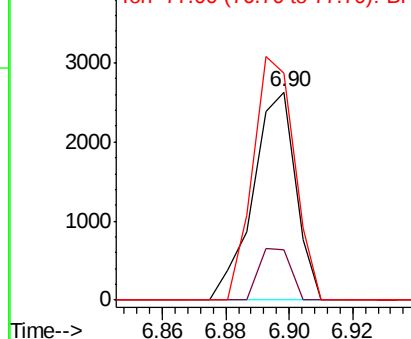
79 100

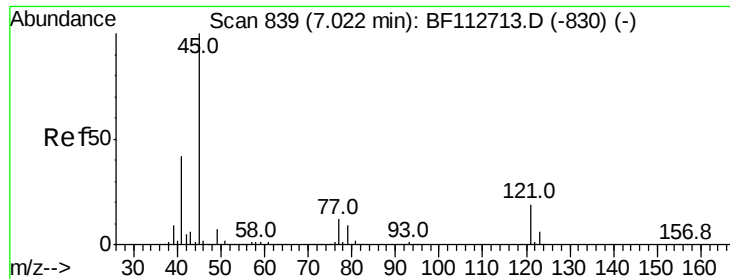
108 24.4 64.2 96.4#

77 109.3 51.1 76.7#



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

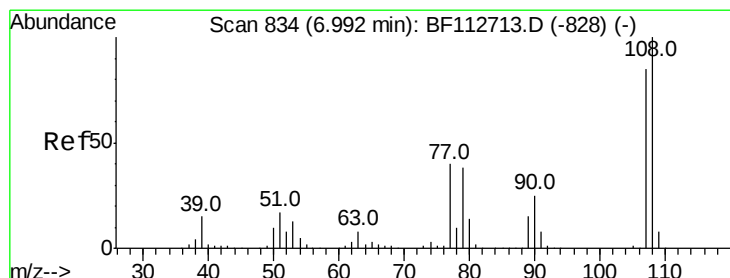
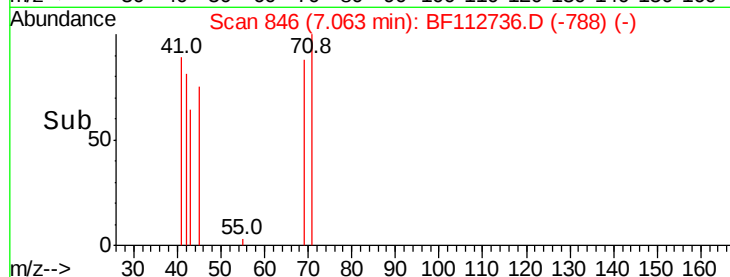
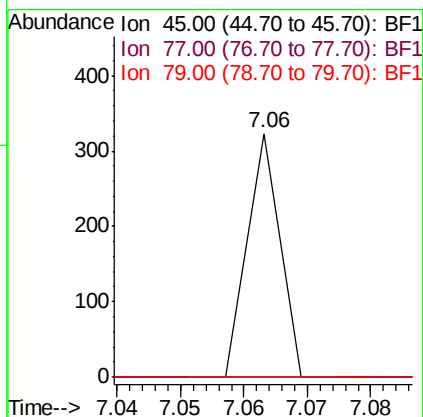
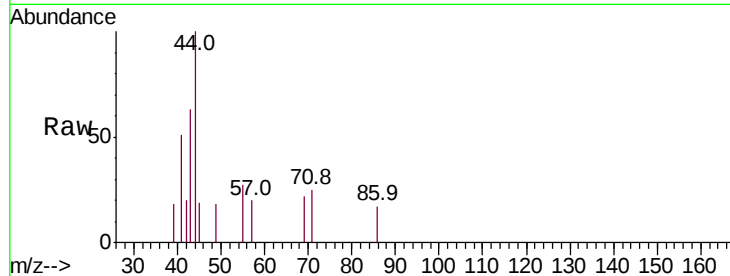




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.005 ng
RT: 7.06 min Scan# 846
Delta R.T. 0.04 min
Lab File: BF112736.D
Acq: 27 Feb 2019 23:18

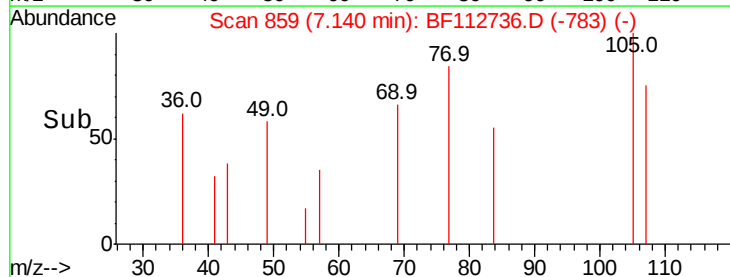
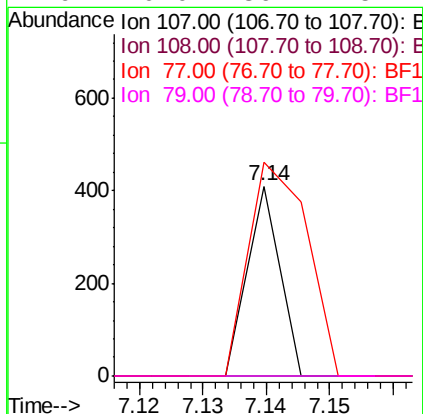
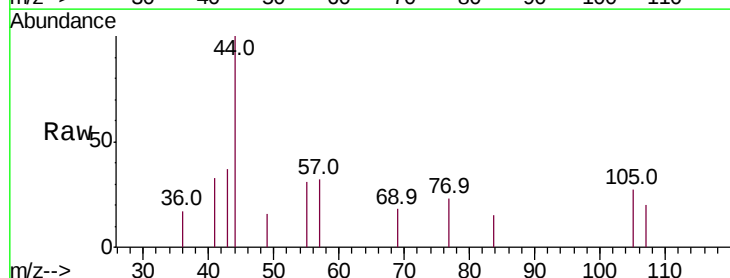
Instrument :
BNA_F
ClientSampleId :
B-9(4-5)

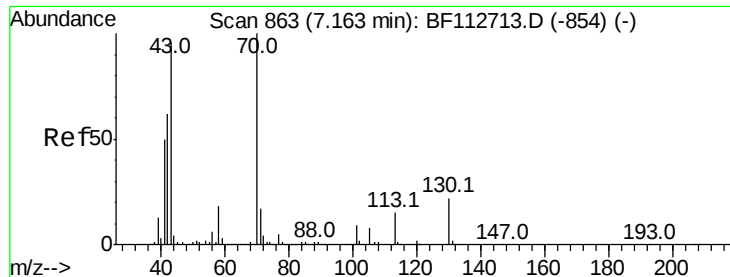
Tot Ion: 45 Resp: 114
Ion Ratio Lower Upper
45 100
77 0.0 0.0 32.1
79 0.0 0.0 29.4



#17
2-Methylphenol
Concen: 0.014 ng
RT: 7.14 min Scan# 859
Delta R.T. 0.15 min
Lab File: BF112736.D
Acq: 27 Feb 2019 23:18

Tgt Ion: 107 Resp: 145
Ion Ratio Lower Upper
107 100
108 0.0 94.6 142.0#
77 112.4 37.8 56.8#
79 0.0 36.2 54.2#

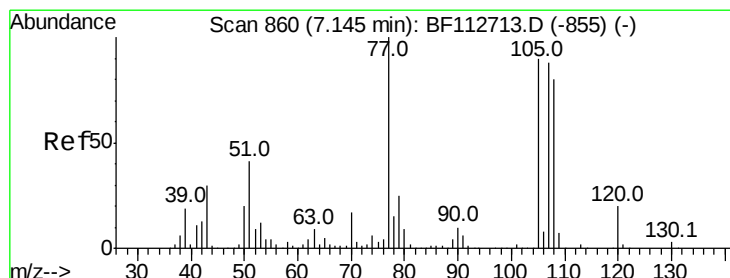
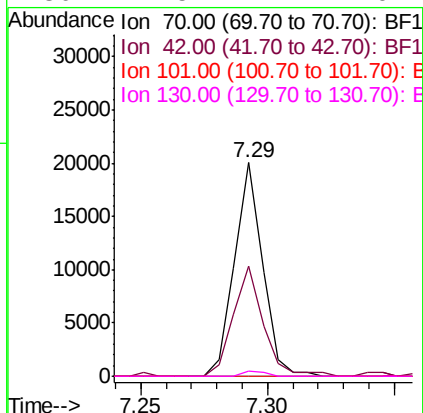
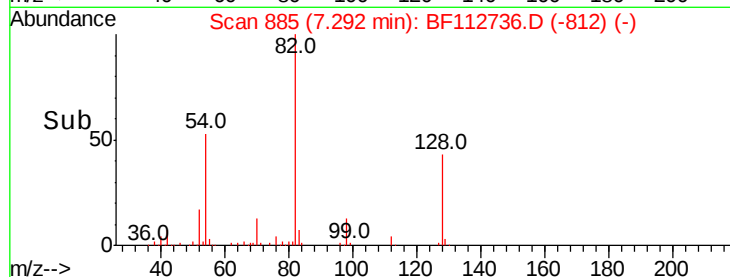
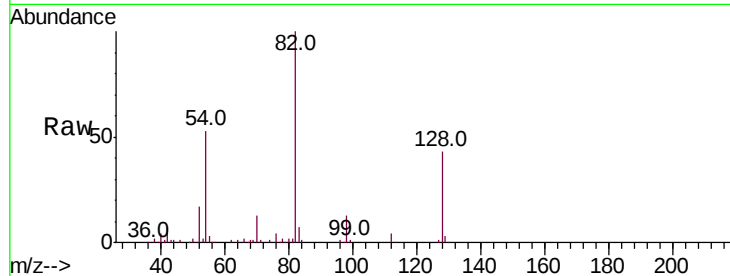




#19
n-Nitroso-di-n-propylamine
Concen: 1.637 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.13 min
Lab File: BF112736.D
Acq: 27 Feb 2019 23:18

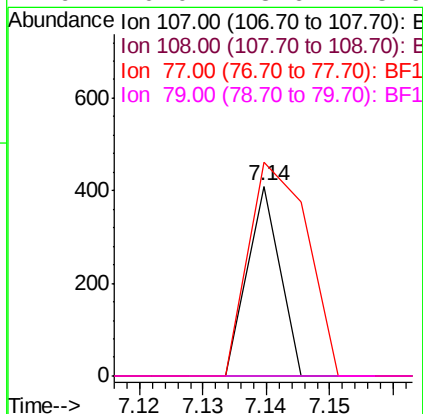
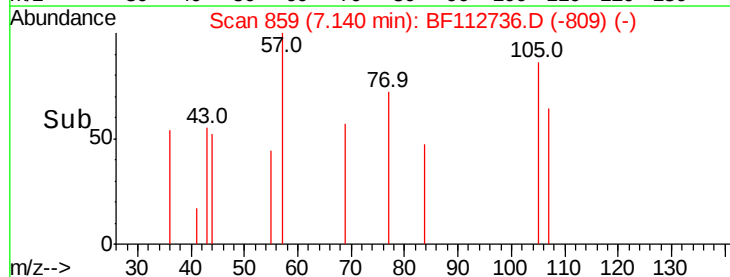
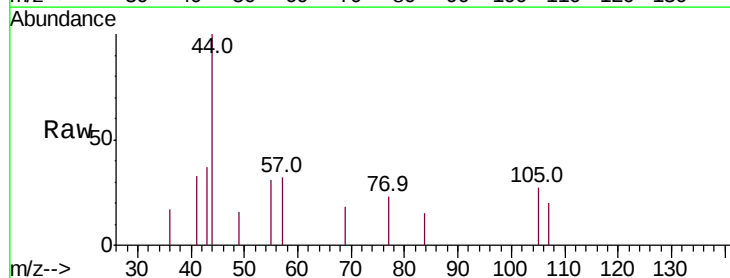
Instrument :
BNA_F
ClientSampleId :
B-9(4-5)

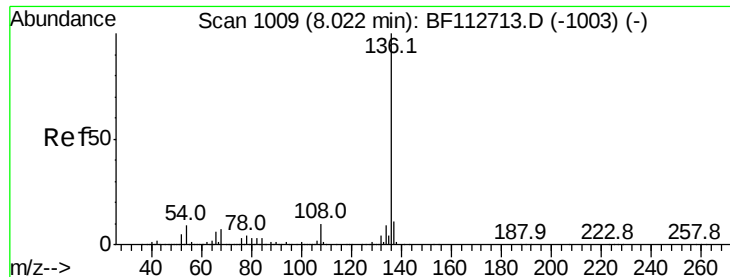
Tot Ion: 70 Resp: 15440
Ion Ratio Lower Upper
70 100
42 51.7 49.9 74.9
101 0.0 7.4 11.2#
130 2.5 17.4 26.2#



#20
3+4-Methylphenols
Concen: 0.012 ng
RT: 7.14 min Scan# 859
Delta R.T. -0.01 min
Lab File: BF112736.D
Acq: 27 Feb 2019 23:18

Tgt Ion:107 Resp: 145
Ion Ratio Lower Upper
107 100
108 0.0 71.4 111.4#
77 112.4 94.1 134.1
79 0.0 8.6 48.6#

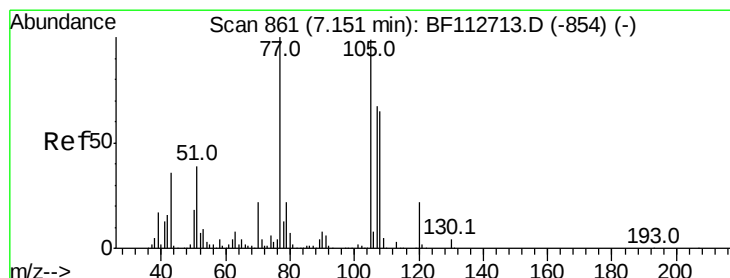
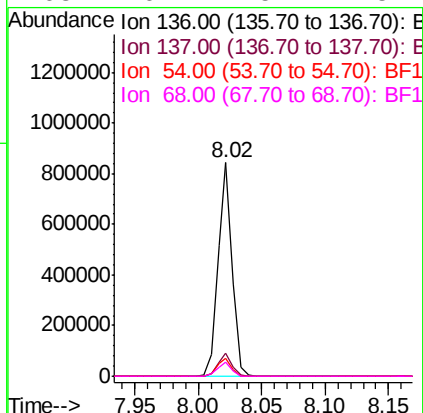
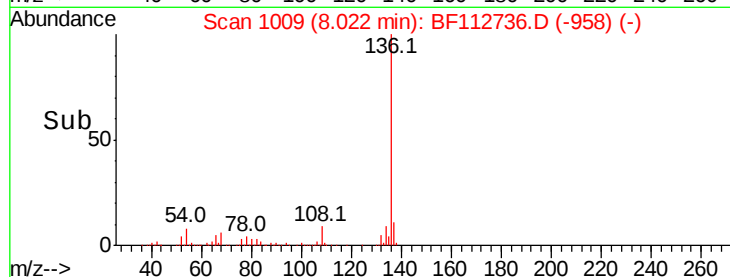
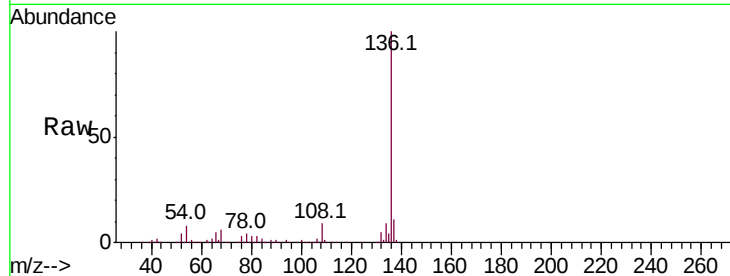




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF112736.D
Acq: 27 Feb 2019 23:18

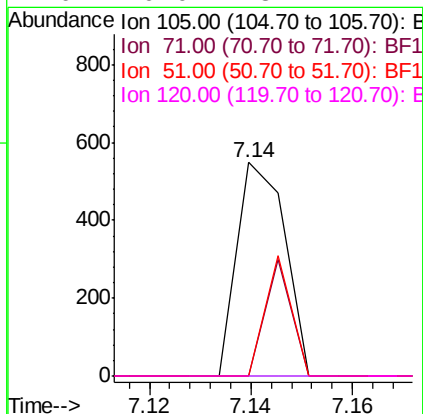
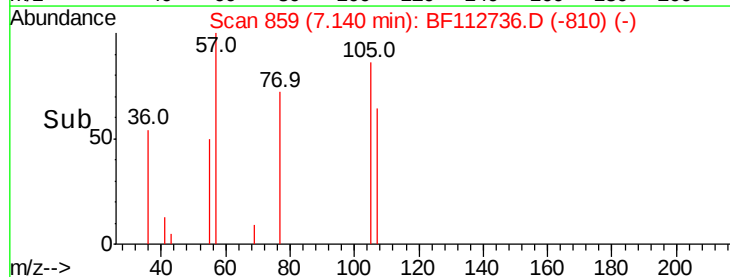
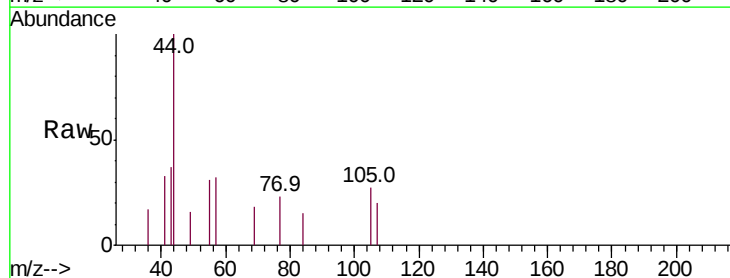
Instrument :
BNA_F
ClientSampleId :
B-9(4-5)

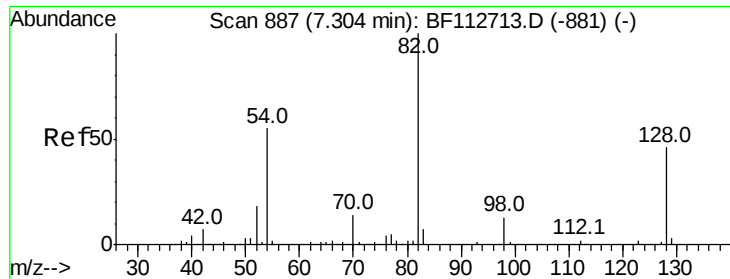
Tot Ion:136	Resp: 655682
Ion Ratio	Lower Upper
136 100	
137 10.8	8.9 13.3
54 8.3	7.3 10.9
68 6.4	5.4 8.2



#22
Acetophenone
Concen: 0.023 ng
RT: 7.14 min Scan# 859
Delta R.T. -0.01 min
Lab File: BF112736.D
Acq: 27 Feb 2019 23:18

Tgt	Ion:105	Resp:	360
Ion	Ratio	Lower	Upper
105	100		
71	0.0	3.0	4.4#
51	0.0	31.5	47.3#
120	0.0	18.1	27.1#





#23

Nitrobenzene-d5

Concen: 10.844 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

Instrument :

BNA_F

ClientSampleId :

B-9(4-5)

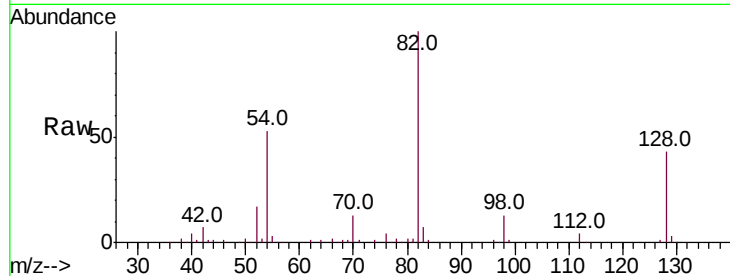
Tot Ion: 82 Resp: 118826

Ion Ratio Lower Upper

82 100

128 42.9 36.3 54.5

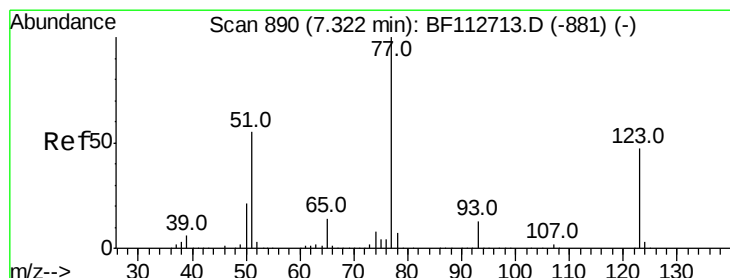
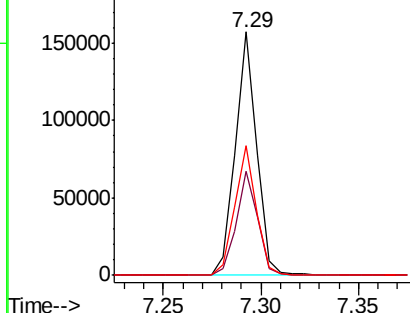
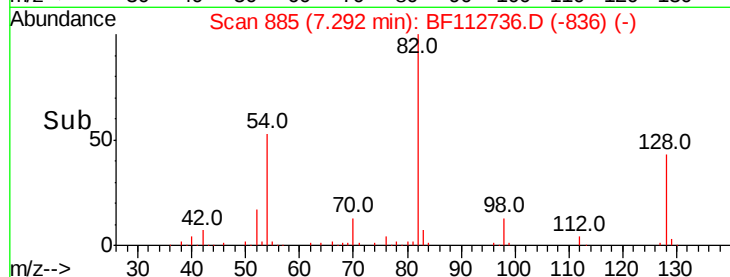
54 53.1 43.7 65.5



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 0.035 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.03 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

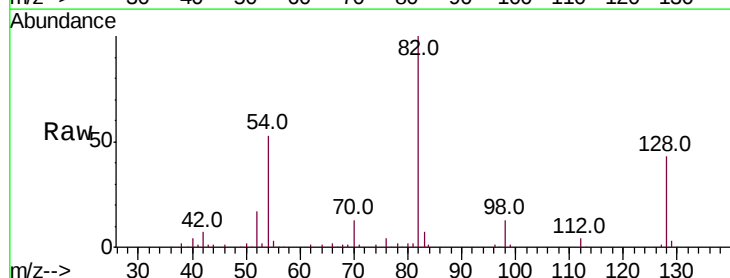
Tgt Ion: 77 Resp: 428

Ion Ratio Lower Upper

77 100

123 0.0 37.8 56.6#

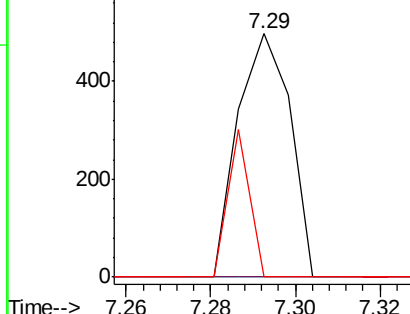
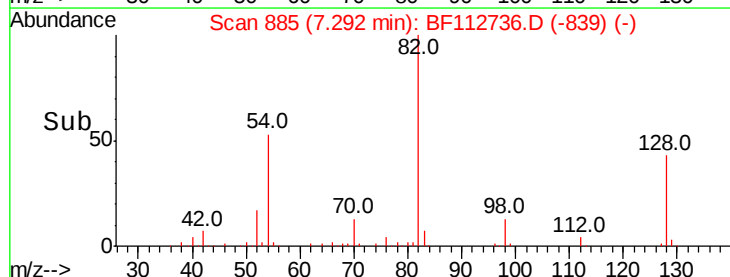
65 0.0 11.1 16.7#

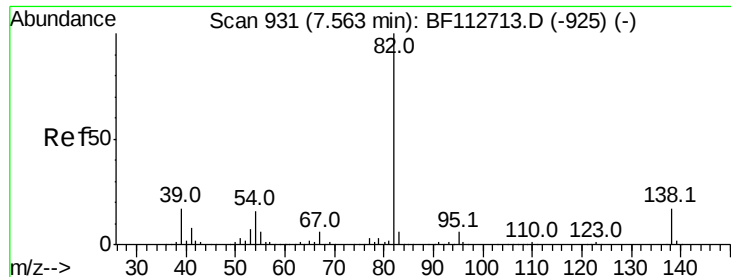


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 5.026 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

Instrument :

BNA_F

ClientSampleId :

B-9(4-5)

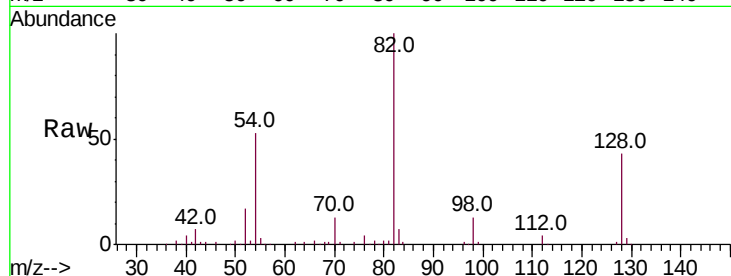
Tot Ion: 82 Resp: 118656

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

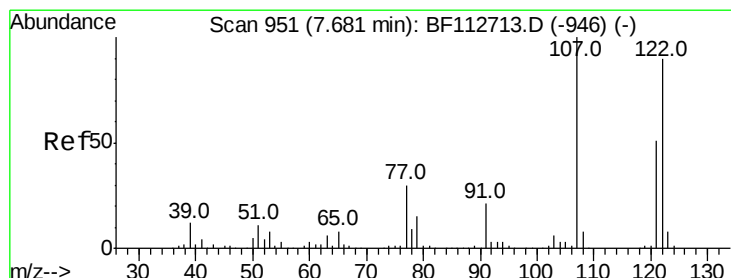
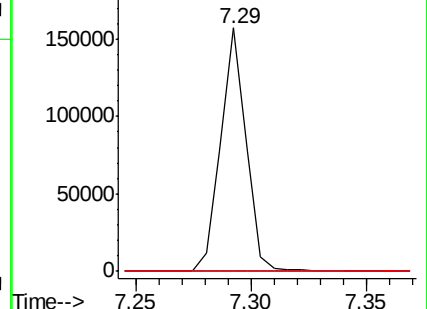
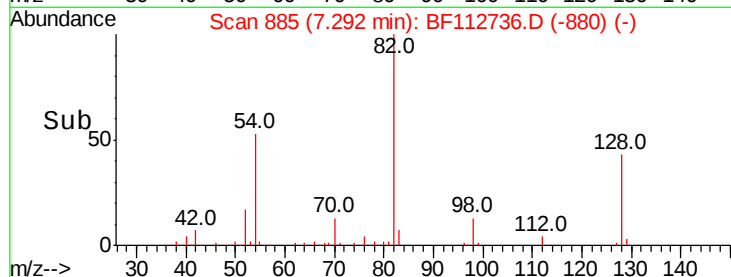
138 0.0 13.8 20.8#



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: 0.045 ng

RT: 7.70 min Scan# 955

Delta R.T. 0.02 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

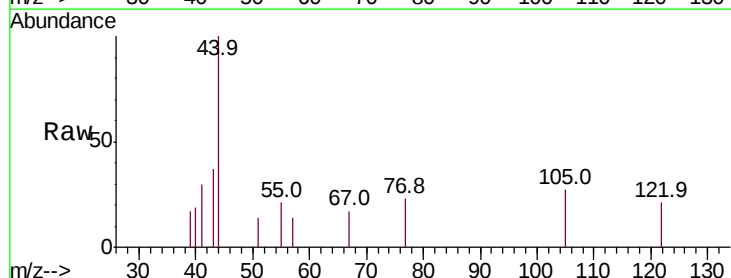
Tgt Ion:122 Resp: 425

Ion Ratio Lower Upper

122 100

107 0.0 89.4 134.0#

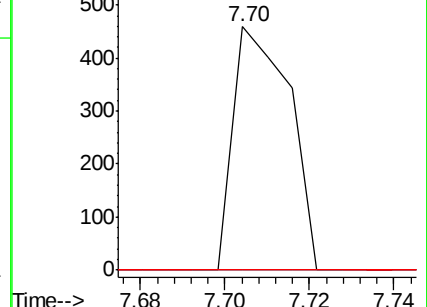
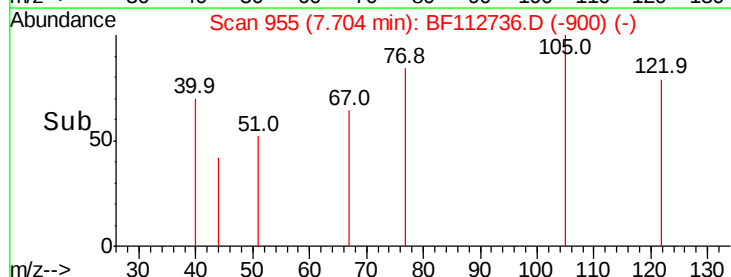
121 0.0 45.5 68.3#

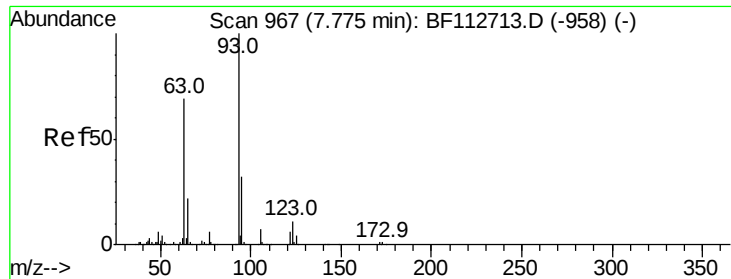


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

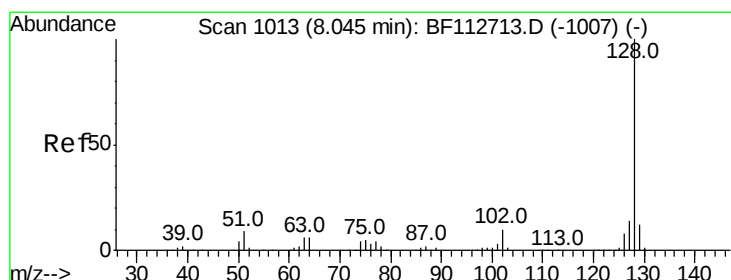
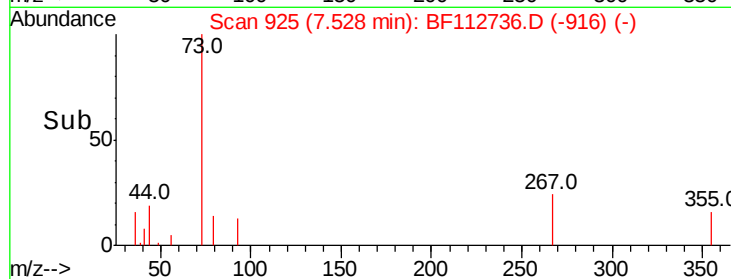
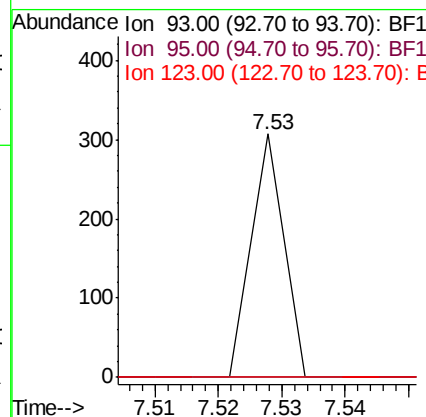
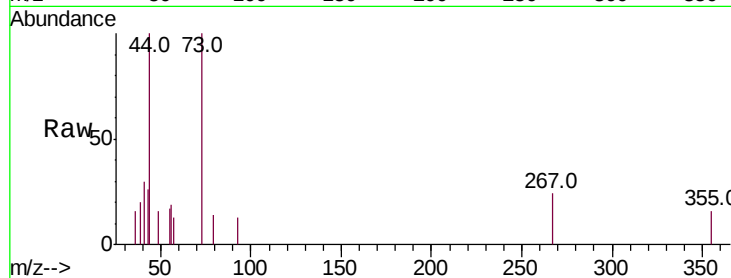




#28
bis(2-Chloroethoxy)methane
Concen: 0.007 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.25 min
Lab File: BF112736.D
Acq: 27 Feb 2019 23:18

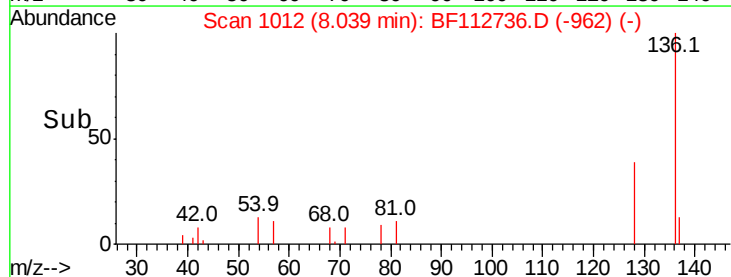
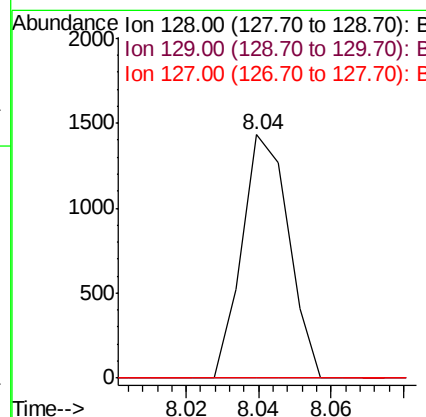
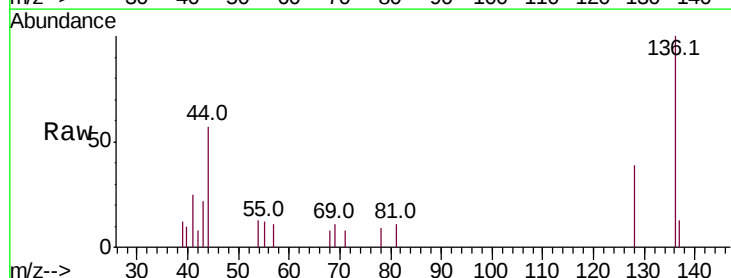
Instrument :
BNA_F
ClientSampleId :
B-9(4-5)

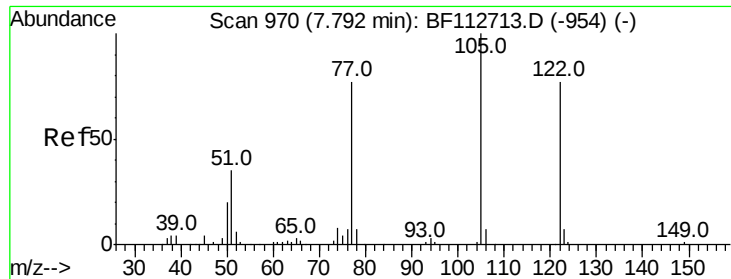
Tot Ion: 93 Resp: 108
Ion Ratio Lower Upper
93 100
95 0.0 26.0 39.0#
123 0.0 9.3 13.9#



#31
Naphthalene
Concen: 0.039 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF112736.D
Acq: 27 Feb 2019 23:18

Tgt Ion: 128 Resp: 1281
Ion Ratio Lower Upper
128 100
129 0.0 9.3 13.9#
127 0.0 10.9 16.3#

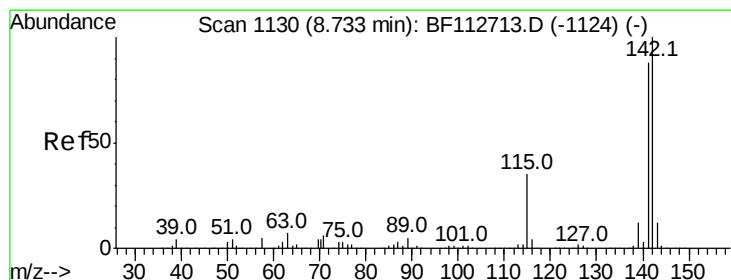
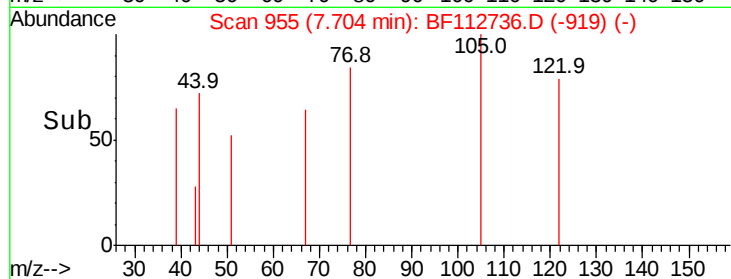
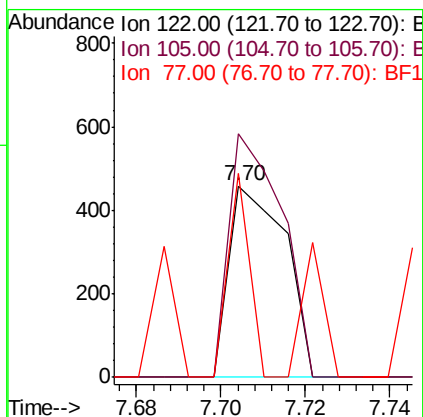
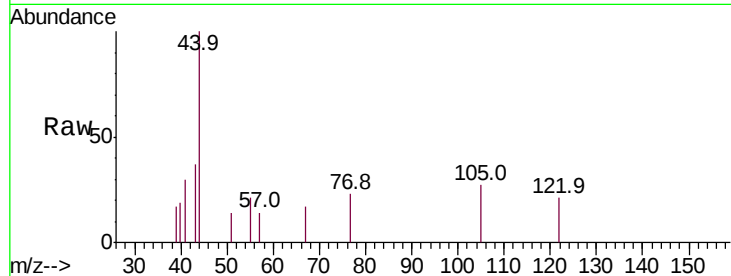




#32
Benzoic acid
Concen: 0.064 ng
RT: 7.70 min Scan# 955
Delta R.T. -0.09 min
Lab File: BF112736.D
Acq: 27 Feb 2019 23:18

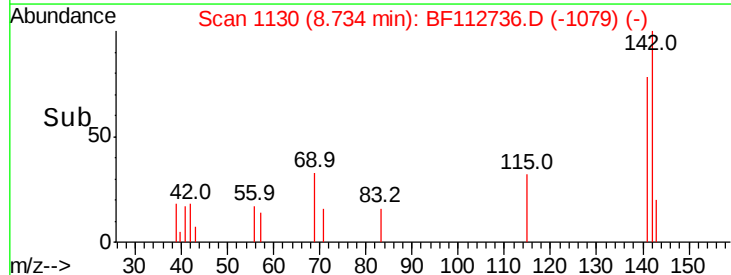
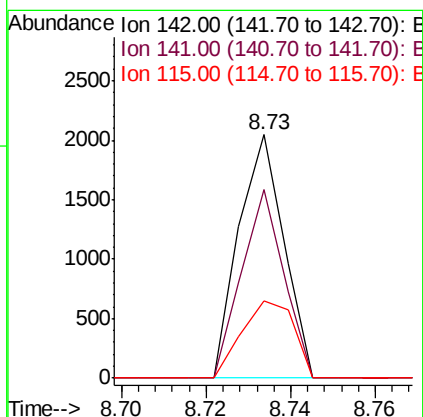
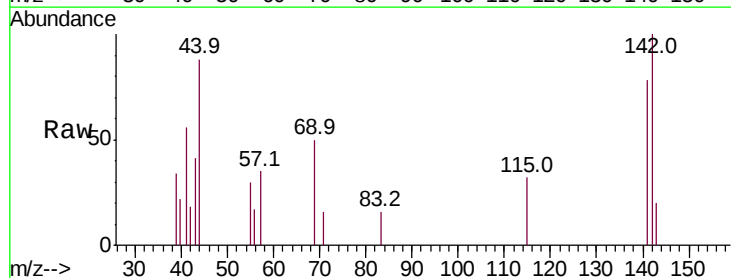
Instrument :
BNA_F
ClientSampleId :
B-9(4-5)

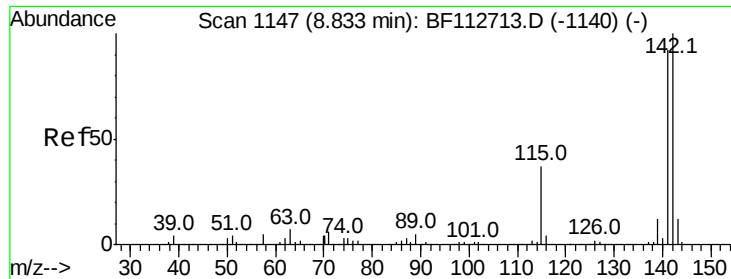
Tot Ion:122 Resp: 425
Ion Ratio Lower Upper
122 100
105 127.0 106.8 146.8
77 106.5 79.4 119.4



#37
2-Methylnaphthalene
Concen: 0.072 ng
RT: 8.73 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BF112736.D
Acq: 27 Feb 2019 23:18

Tgt Ion:142 Resp: 1509
Ion Ratio Lower Upper
142 100
141 77.6 70.3 105.5
115 31.8 27.8 41.6

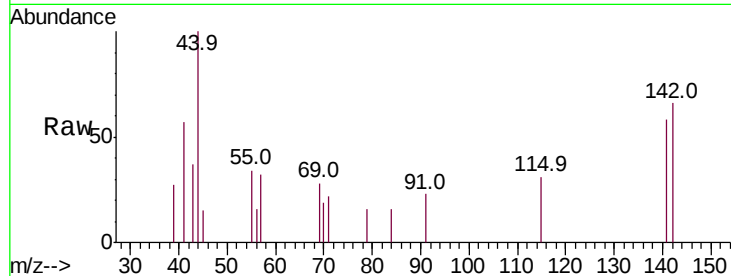




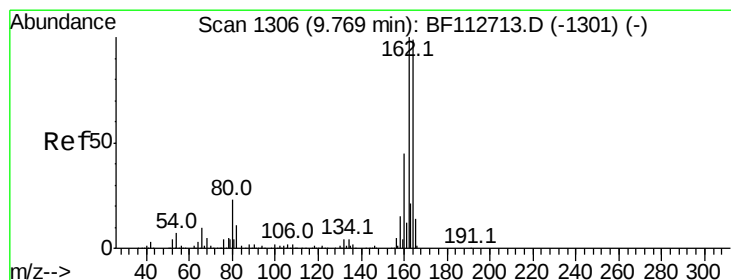
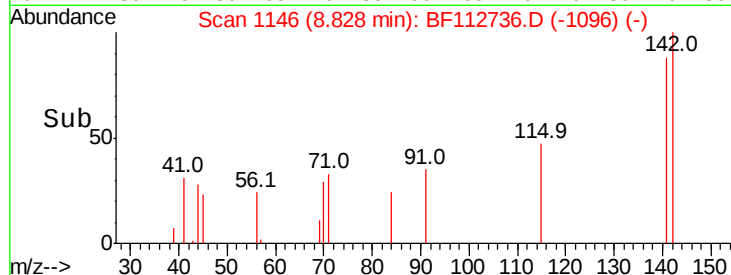
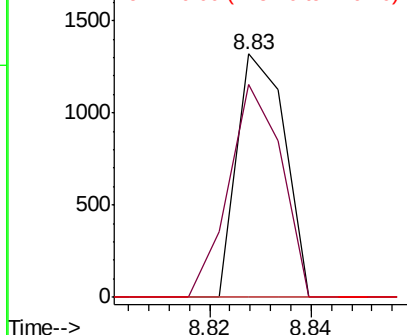
#38
 1-Methylnaphthalene
 Concen: 0.042 ng
 RT: 8.83 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF112736.D
 Acq: 27 Feb 2019 23:18

Instrument :
 BNA_F
 ClientSampleId :
 B-9(4-5)

Tot Ion:142 Resp: 864
 Ion Ratio Lower Upper
 142 100
 141 87.7 73.7 110.5
 116 0.0 3.1 4.7#

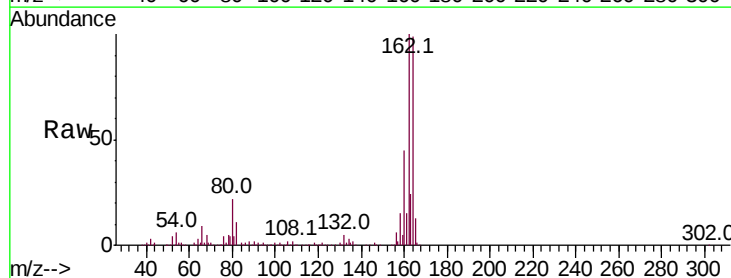


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

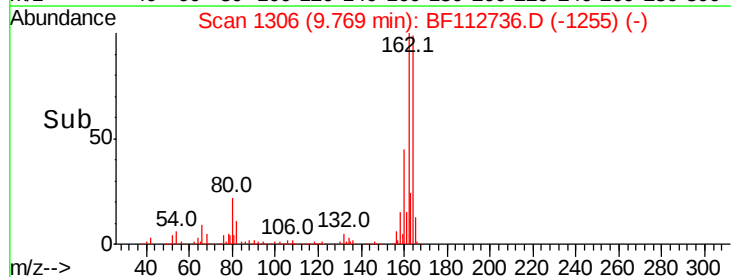
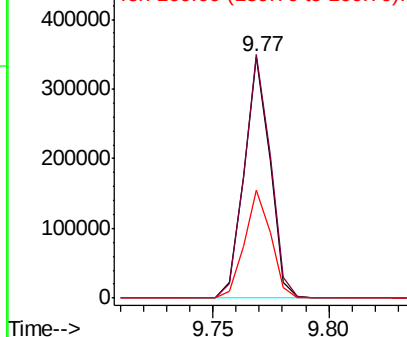


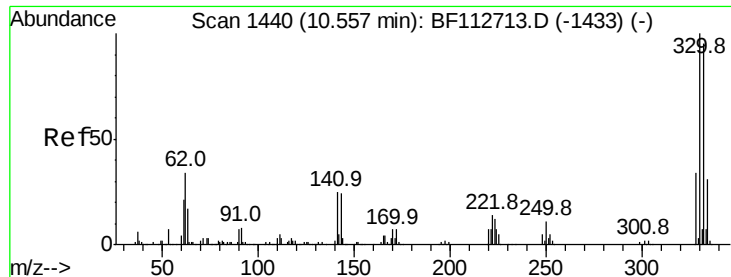
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: BF112736.D
 Acq: 27 Feb 2019 23:18

Tgt Ion:164 Resp: 270190
 Ion Ratio Lower Upper
 164 100
 162 100.9 80.6 120.8
 160 44.9 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

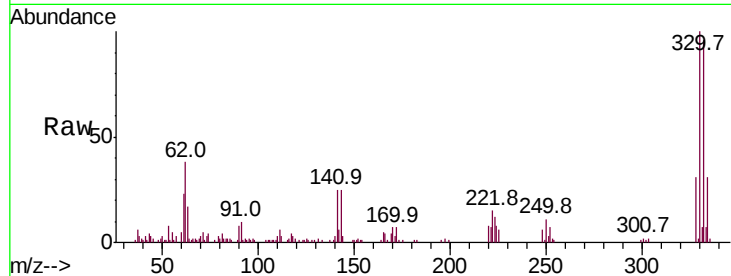




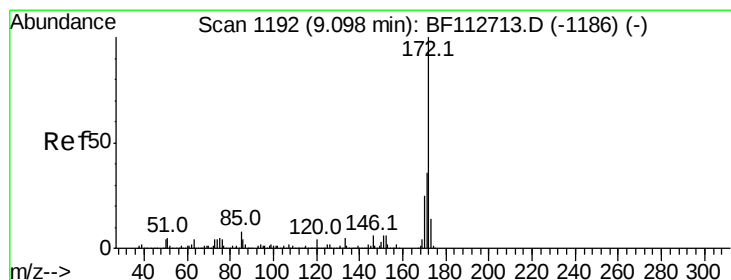
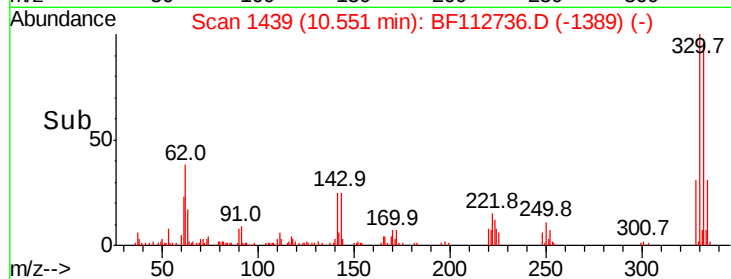
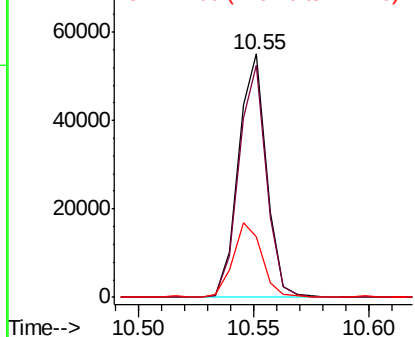
#42
 2,4,6-Tribromophenol
 Concen: 16.255 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF112736.D
 Acq: 27 Feb 2019 23:18

Instrument :
 BNA_F
 ClientSampleId :
 B-9(4-5)

Tot Ion:330 Resp: 46627
 Ion Ratio Lower Upper
 330 100
 332 94.0 76.2 114.4
 141 31.7 27.0 40.6

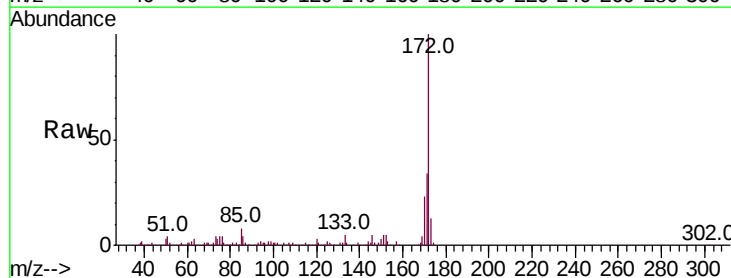


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

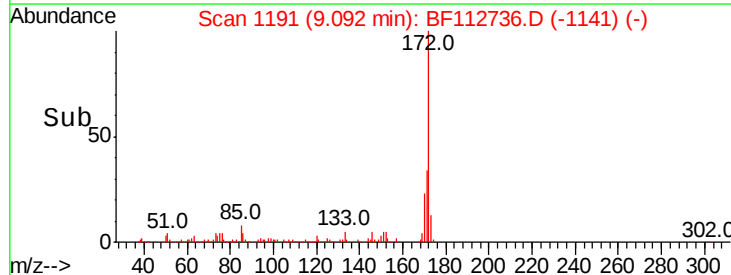
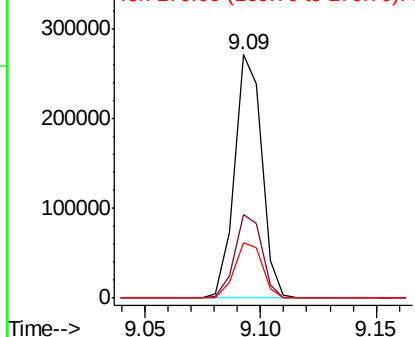


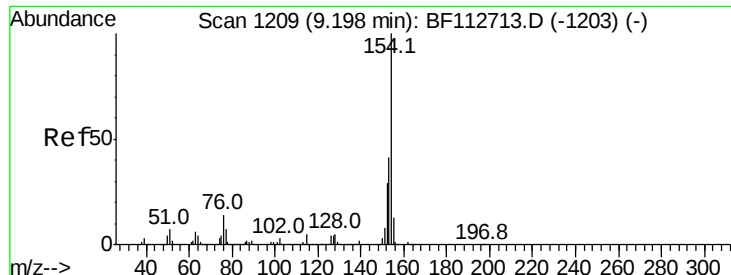
#45
 2-Fluorobiphenyl
 Concen: 1.213 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF112736.D
 Acq: 27 Feb 2019 23:18

Tgt Ion:172 Resp: 223725
 Ion Ratio Lower Upper
 172 100
 171 34.3 29.0 43.4
 170 22.8 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: 0.045 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

Instrument :

BNA_F

ClientSampleId :

B-9(4-5)

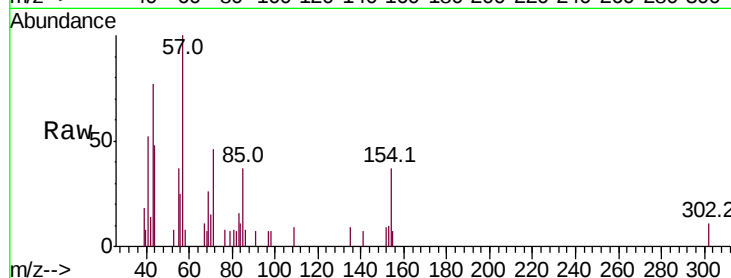
Tot Ion:154 Resp: 989

Ion Ratio Lower Upper

154 100

153 28.0 20.8 60.8

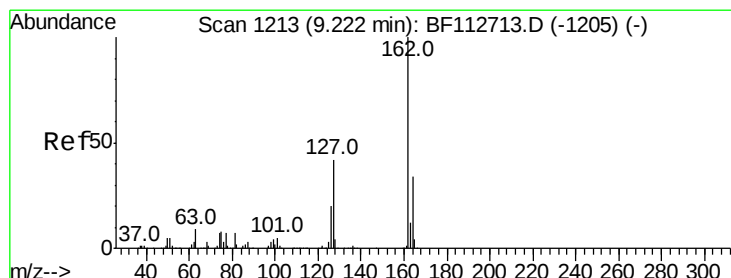
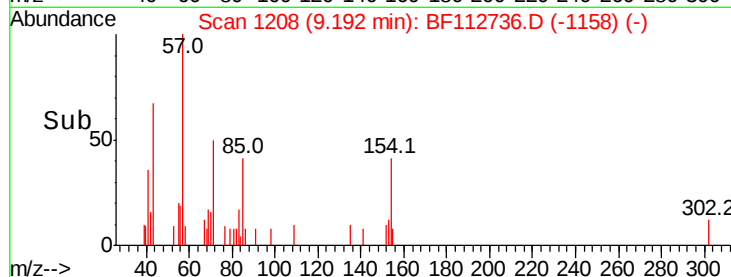
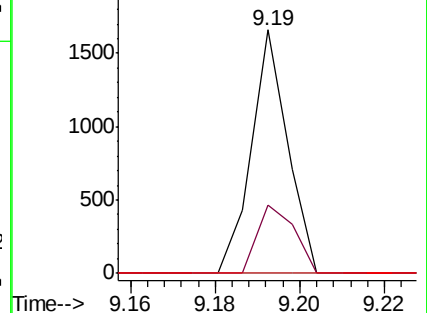
76 0.0 0.0 33.8



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: 0.007 ng

RT: 9.39 min Scan# 1242

Delta R.T. 0.17 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

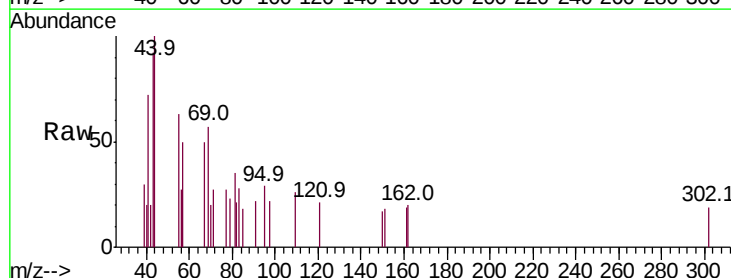
Tgt Ion:162 Resp: 122

Ion Ratio Lower Upper

162 100

127 0.0 33.4 50.2#

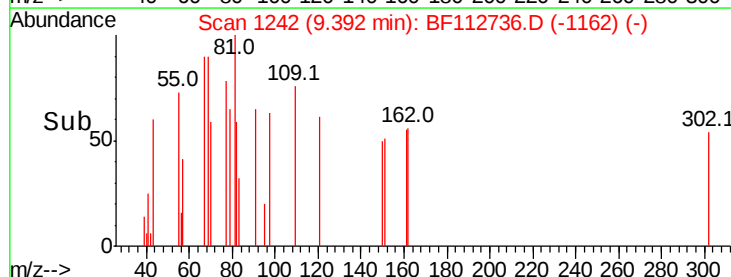
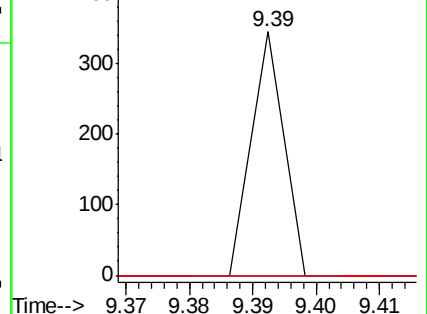
164 0.0 26.9 40.3#

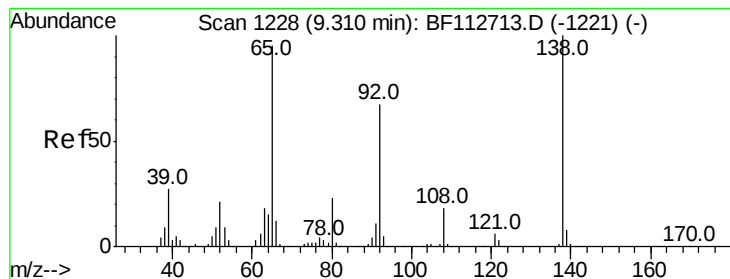


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#48

2-Nitroaniline

Concen: 0.022 ng

RT: 9.29 min Scan# 1224

Delta R.T. -0.02 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

Instrument :

BNA_F

ClientSampleId :

B-9(4-5)

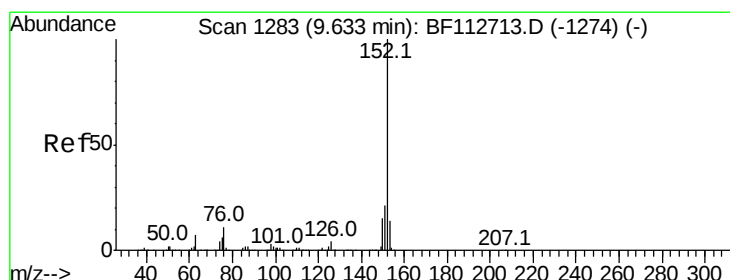
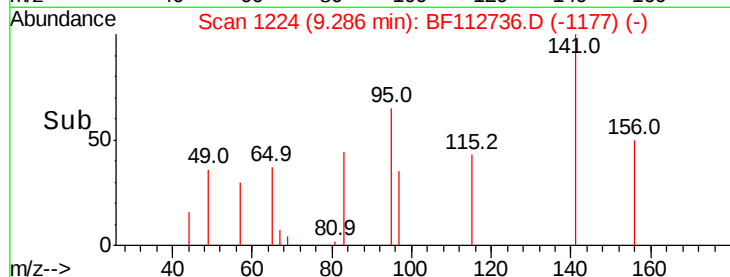
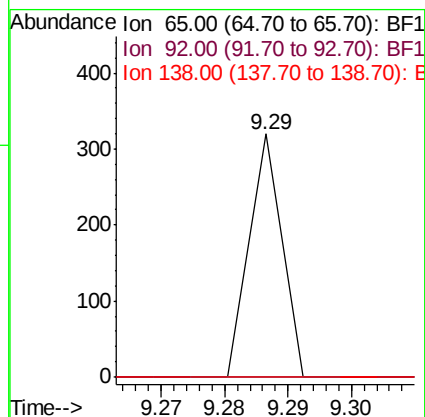
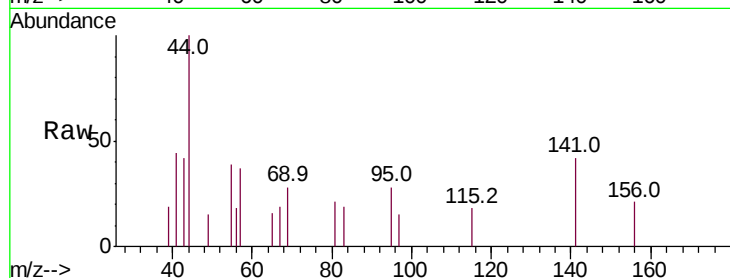
Tot Ion: 65 Resp: 113

Ion Ratio Lower Upper

65 100

92 0.0 56.4 84.6#

138 0.0 84.6 126.8#



#49

Acenaphthylene

Concen: 0.062 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

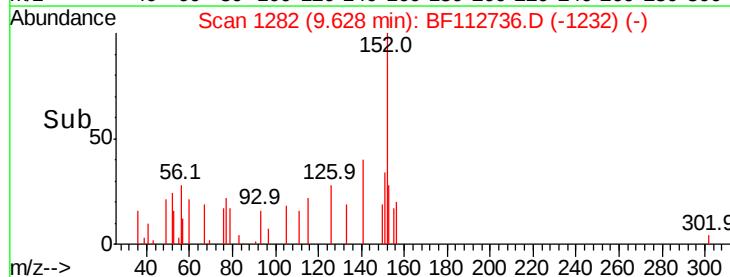
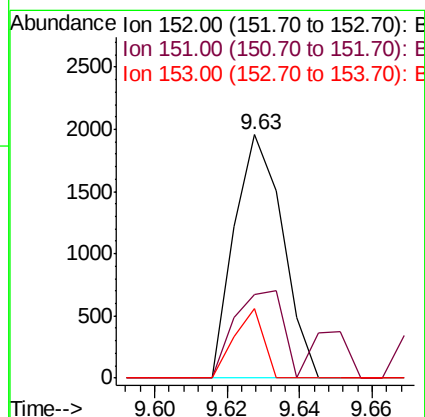
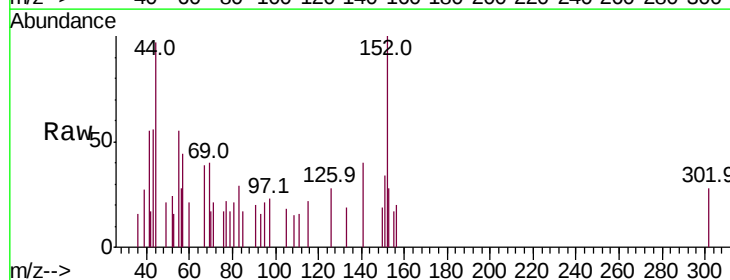
Tgt Ion: 152 Resp: 1824

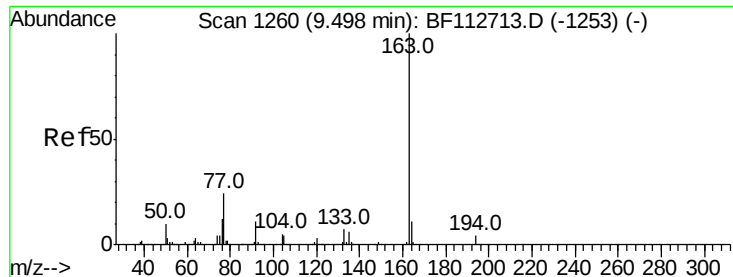
Ion Ratio Lower Upper

152 100

151 34.4 16.9 25.3#

153 28.3 11.0 16.6#





#50

Dimethylphthalate

Concen: 0.662 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

Instrument :

BNA_F

ClientSampleId :

B-9(4-5)

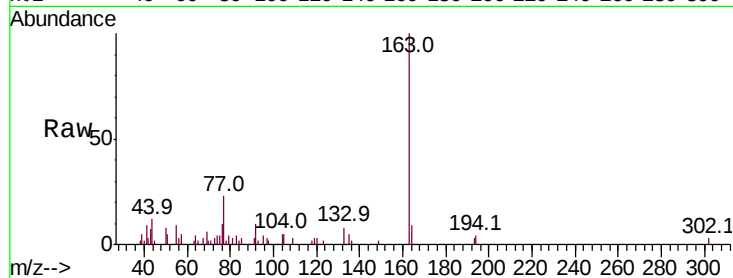
Tot Ion:163 Resp: 13196

Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.4

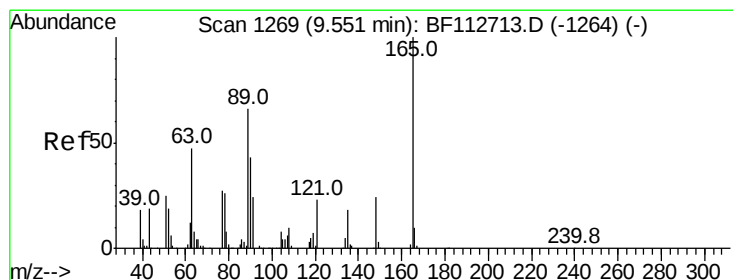
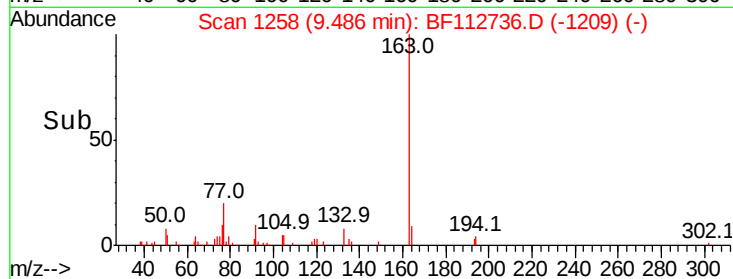
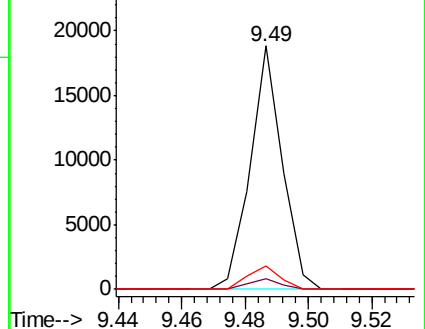
164 9.4 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.198 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.22 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

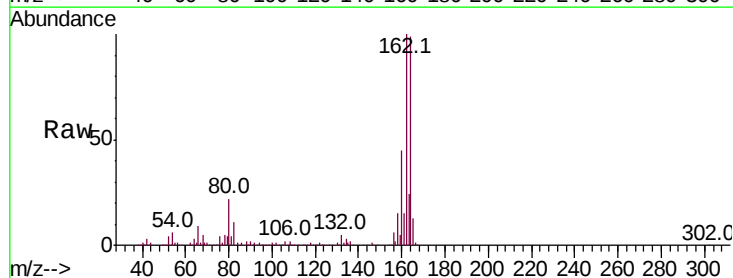
Tgt Ion:165 Resp: 34012

Ion Ratio Lower Upper

165 100

63 1.2 54.1 81.1#

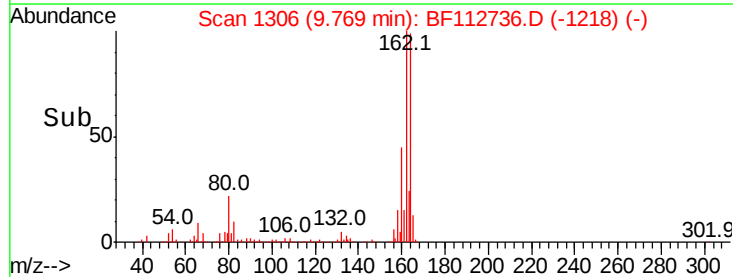
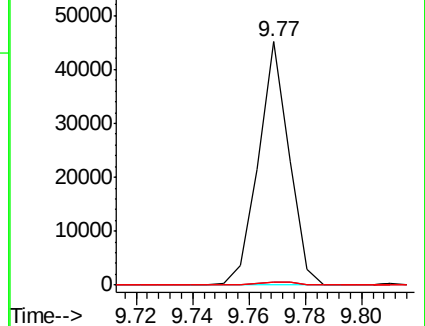
89 1.0 52.8 79.2#

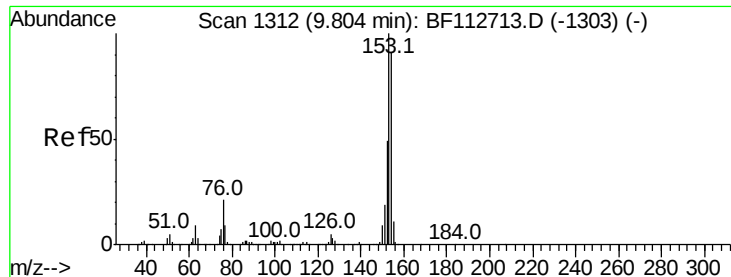


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 0.022 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

Instrument :

BNA_F

ClientSampleId :

B-9(4-5)

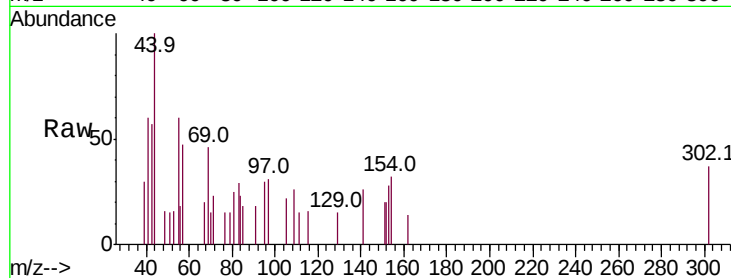
Tot Ion:154 Resp: 371

Ion Ratio Lower Upper

154 100

153 88.8 87.8 131.8

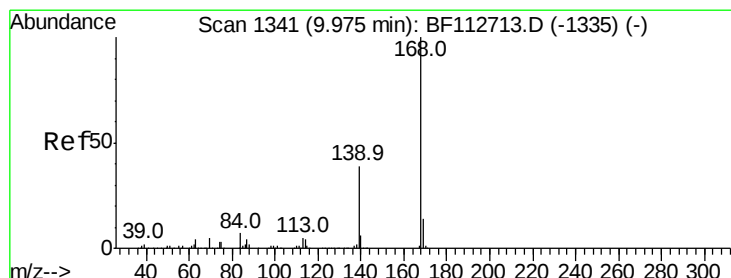
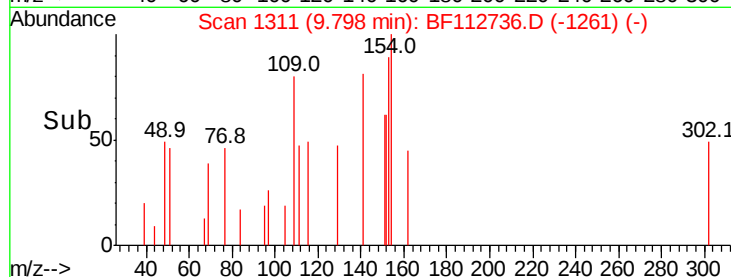
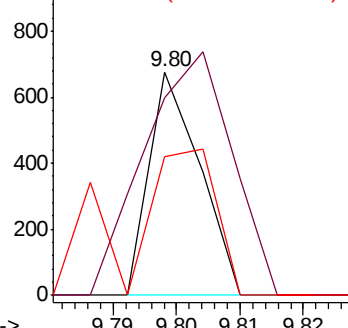
152 62.3 43.0 64.6



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: 0.020 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

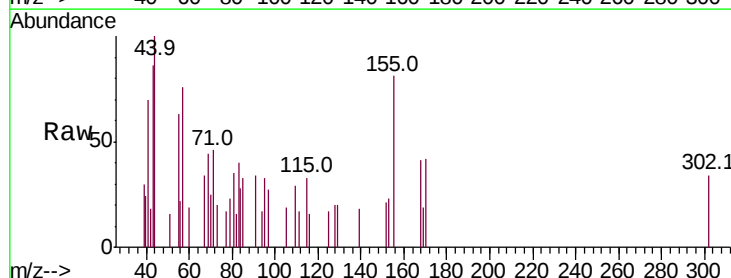
Tgt Ion:168 Resp: 497

Ion Ratio Lower Upper

168 100

139 44.7 31.3 46.9

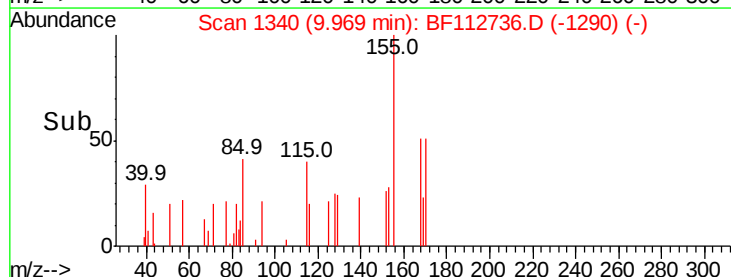
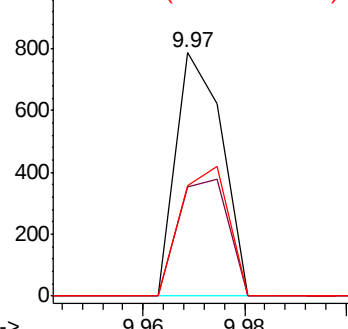
169 45.2 11.3 16.9#

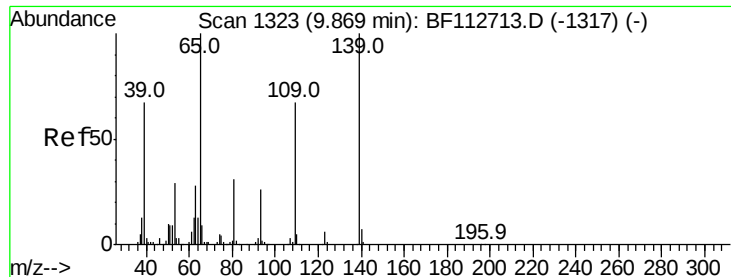


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

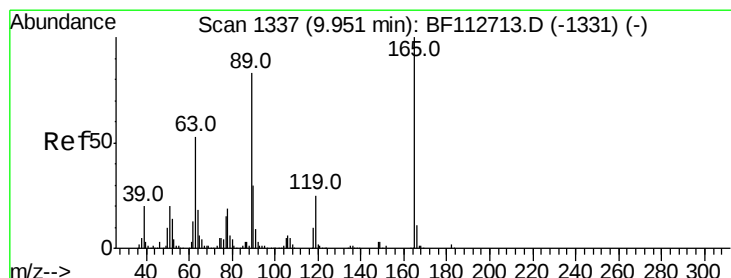
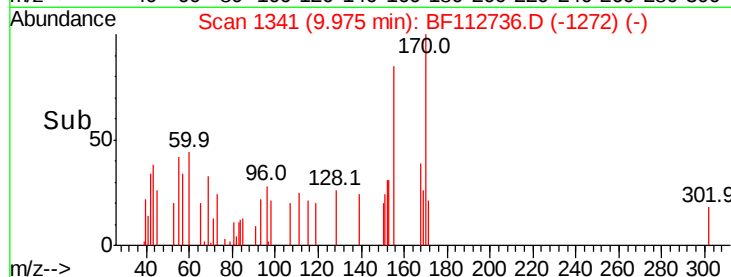
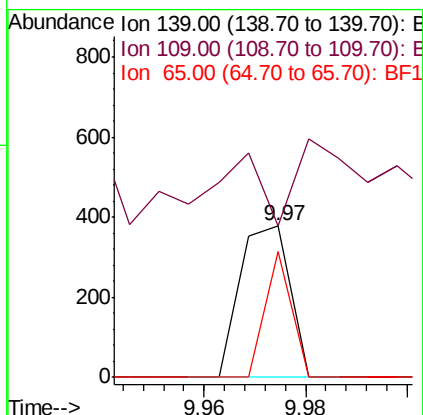
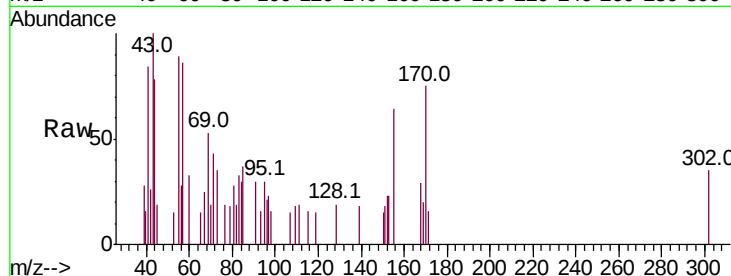




#56
4-Nitrophenol
Concen: 0.063 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.11 min
Lab File: BF112736.D
Acq: 27 Feb 2019 23:18

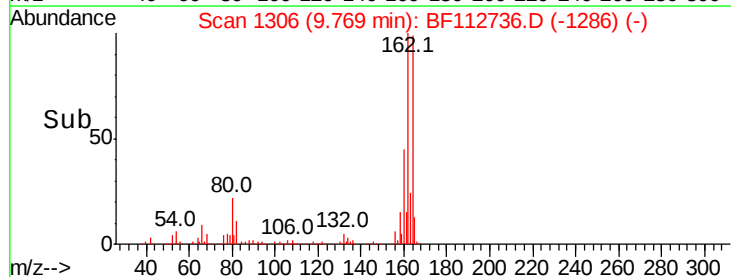
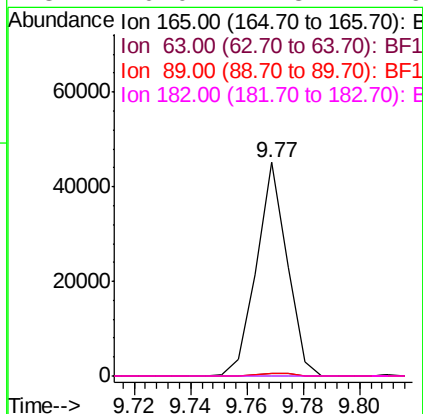
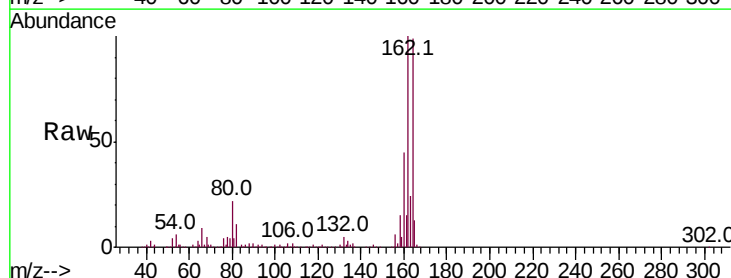
Instrument :
BNA_F
ClientSampleId :
B-9(4-5)

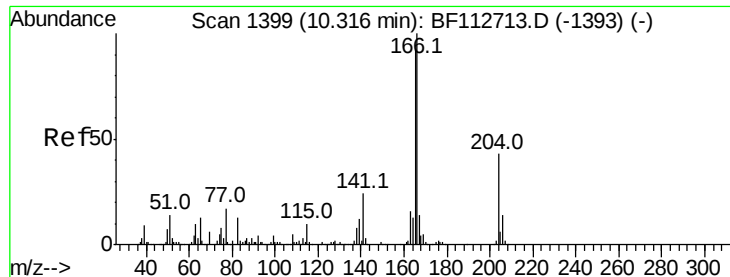
Tot Ion	Ratio	Lower	Upper
139	100		
109	99.7	46.8	86.8#
65	83.1	80.7	120.7



#57
2,4-Dinitrotoluene
Concen: 6.595 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.18 min
Lab File: BF112736.D
Acq: 27 Feb 2019 23:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	42.2	63.2#
89	1.0	66.2	99.4#
182	0.0	1.8	2.6#





#58

Fluorene

Concen: 0.044 ng

RT: 10.31 min Scan# 1398

Delta R.T. -0.01 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

Instrument :

BNA_F

ClientSampleId :

B-9(4-5)

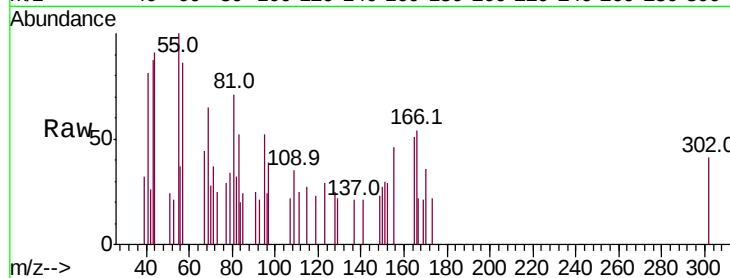
Tot Ion:166 Resp: 779

Ion Ratio Lower Upper

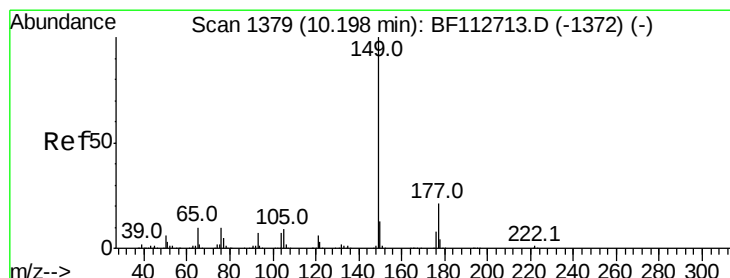
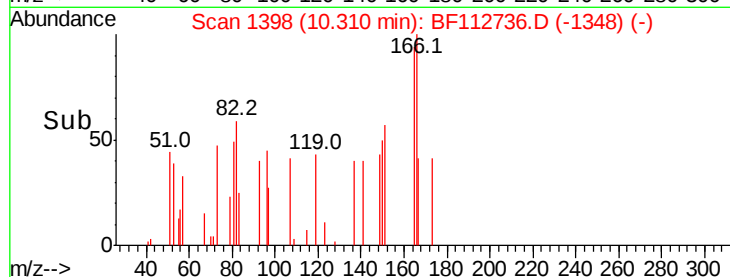
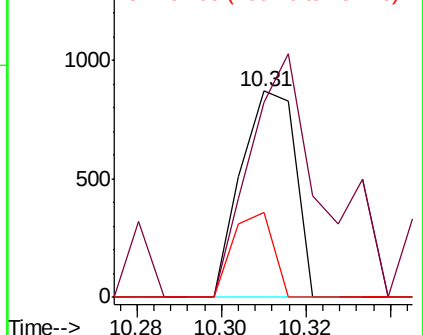
166 100

165 94.5 74.7 112.1

167 41.1 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: 0.086 ng

RT: 10.19 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

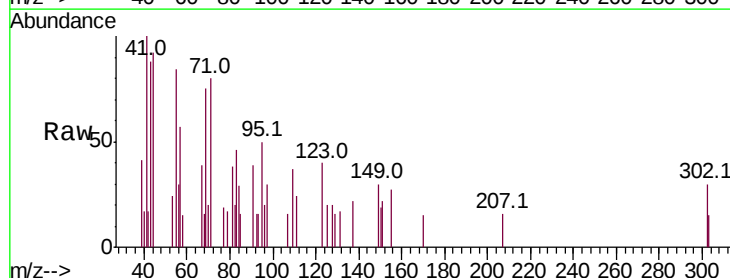
Tgt Ion:149 Resp: 1816

Ion Ratio Lower Upper

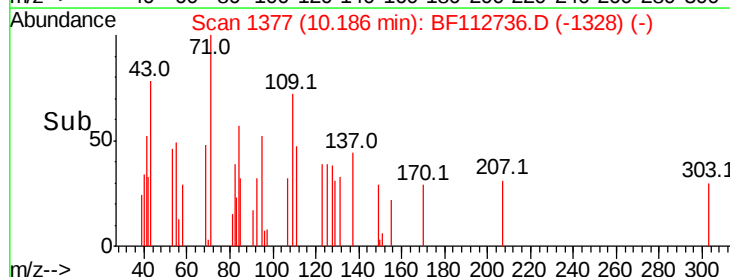
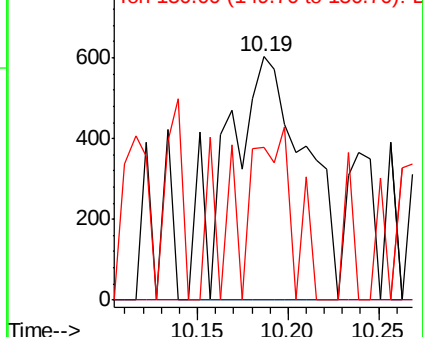
149 100

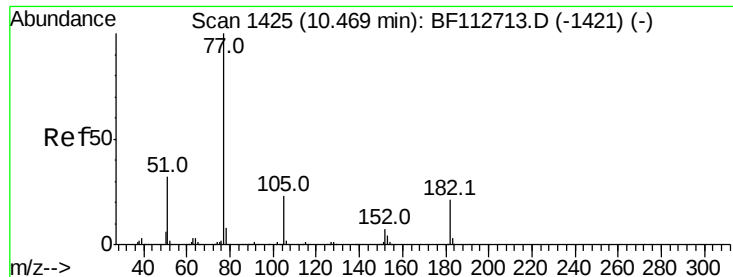
177 0.0 17.0 25.6#

150 62.5 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: 0.011 ng

RT: 10.43 min Scan# 1419

Delta R.T. -0.04 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

Instrument :

BNA_F

ClientSampleId :

B-9(4-5)

Tot Ion: 77 Resp: 244

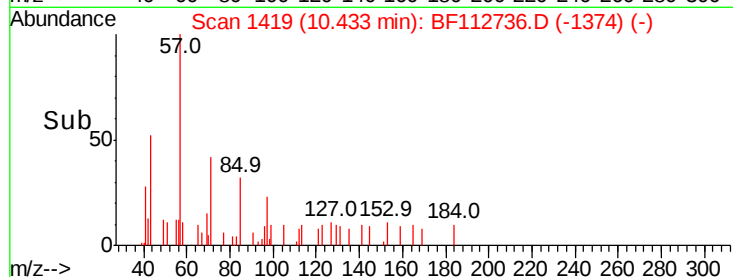
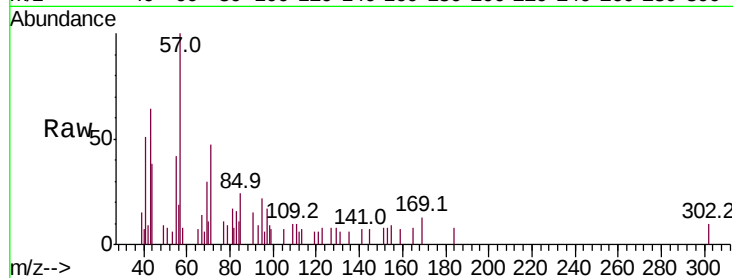
Ion Ratio Lower Upper

77 100

182 0.0 1.4 41.4#

105 68.5 2.6 42.6#

51 74.4 12.0 52.0#

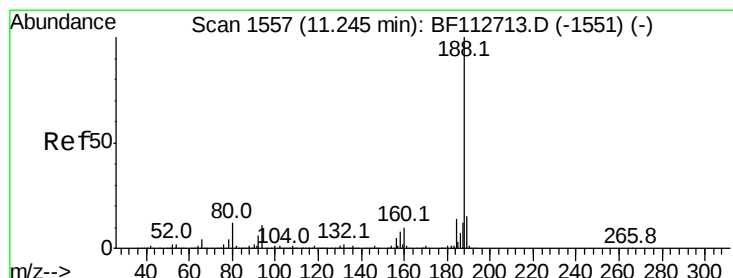
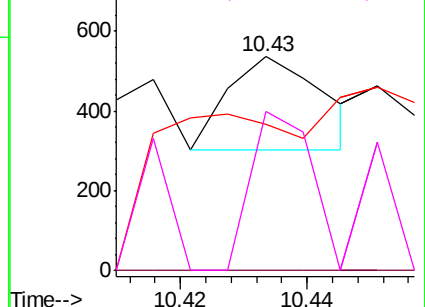


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: BF112736.D

Acq: 27 Feb 2019 23:18

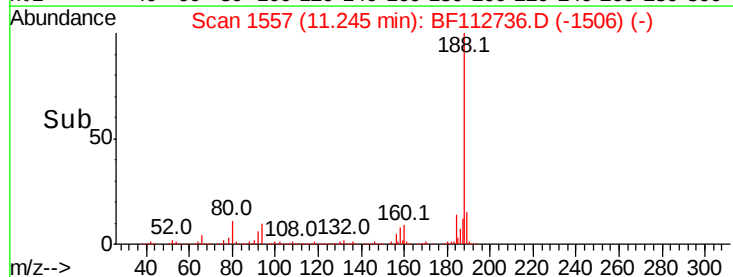
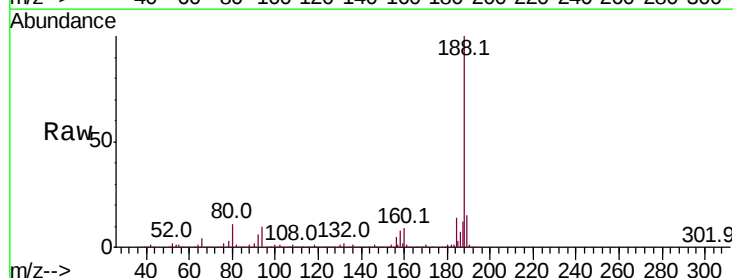
Tgt Ion: 188 Resp: 537813

Ion Ratio Lower Upper

188 100

94 10.3 9.0 13.4

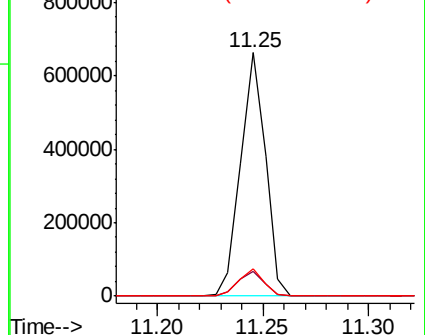
80 11.0 9.2 13.8

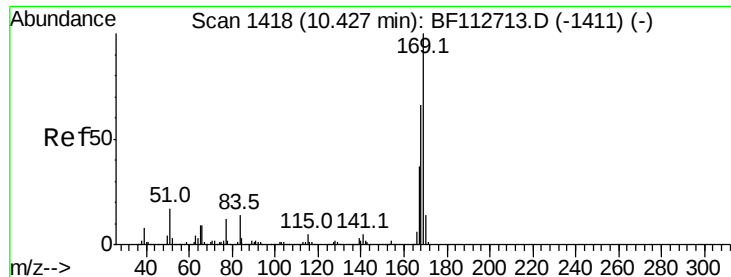


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

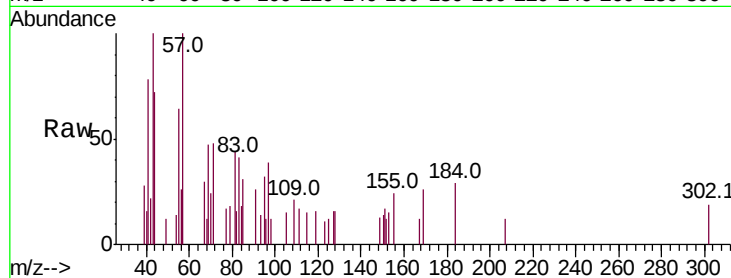




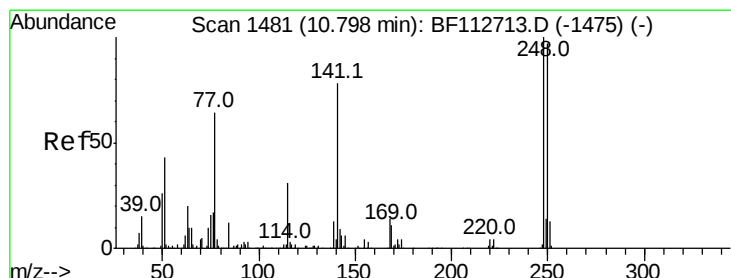
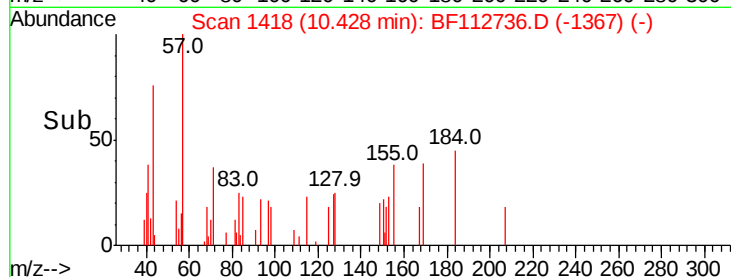
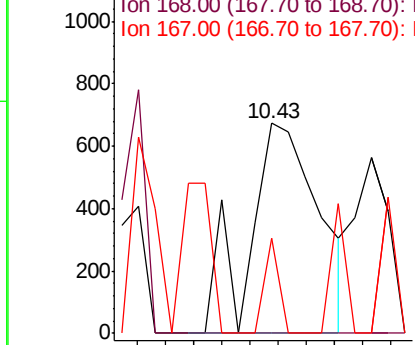
#66
 n-Nitrosodiphenylamine
 Concen: 0.067 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: BF112736.D
 Acq: 27 Feb 2019 23:18

Instrument :
 BNA_F
 ClientSampleId :
 B-9(4-5)

Tot Ion:169 Resp: 1158
 Ion Ratio Lower Upper
 169 100
 168 0.0 53.0 79.6#
 167 45.3 29.3 43.9#

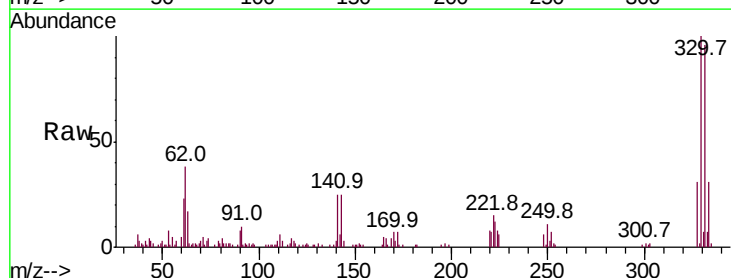


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

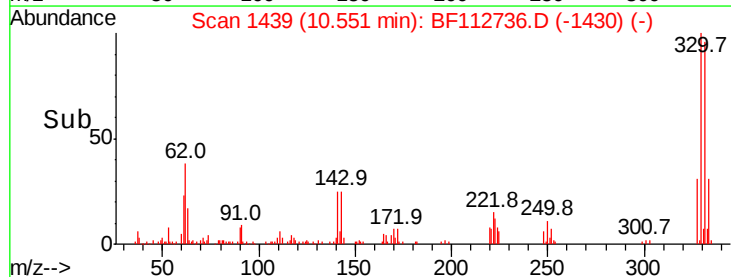
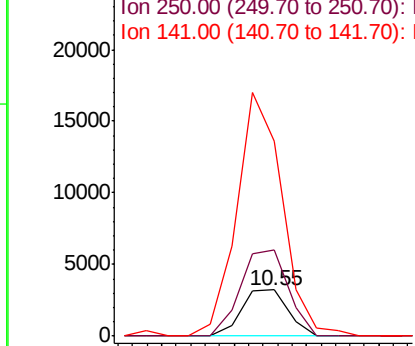


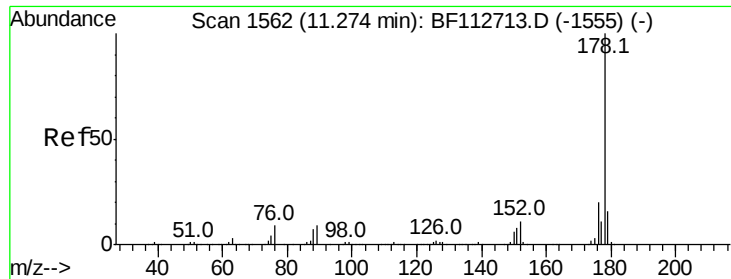
#67
 4-Bromophenyl-phenylether
 Concen: 0.506 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.25 min
 Lab File: BF112736.D
 Acq: 27 Feb 2019 23:18

Tgt Ion:248 Resp: 2868
 Ion Ratio Lower Upper
 248 100
 250 187.9 77.5 116.3#
 141 424.8 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: 0.423 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

Instrument :

BNA_F

ClientSampleId :

B-9(4-5)

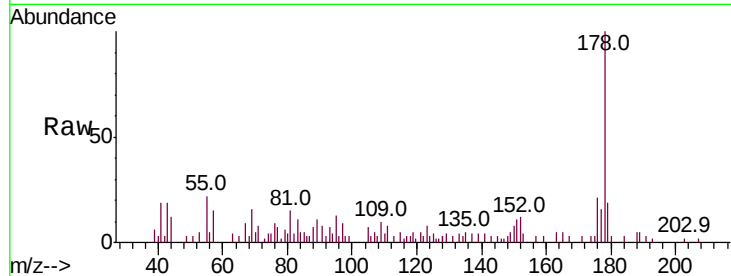
Tot Ion:178 Resp: 11323

Ion Ratio Lower Upper

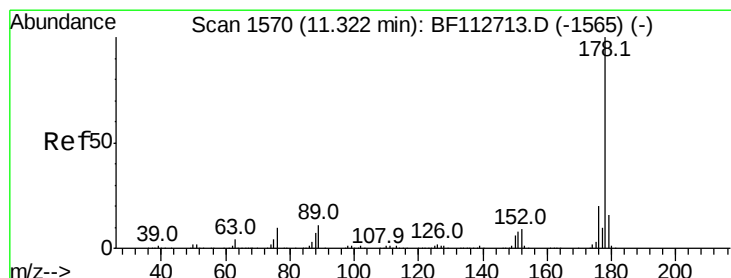
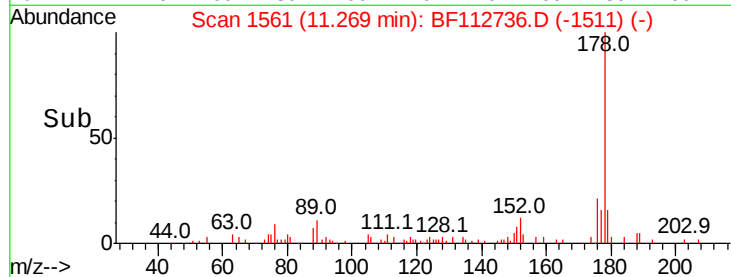
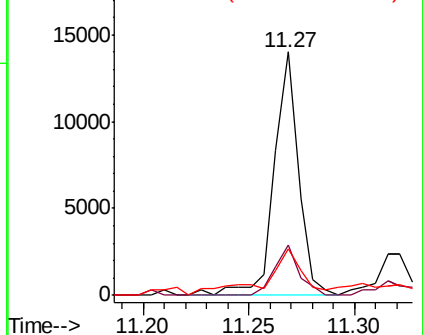
178 100

176 20.7 16.3 24.5

179 19.1 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: 0.404 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.05 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

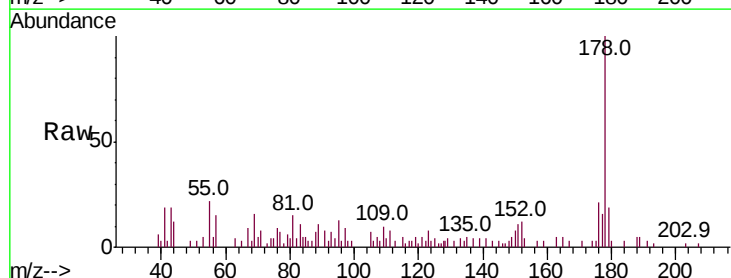
Tgt Ion:178 Resp: 11323

Ion Ratio Lower Upper

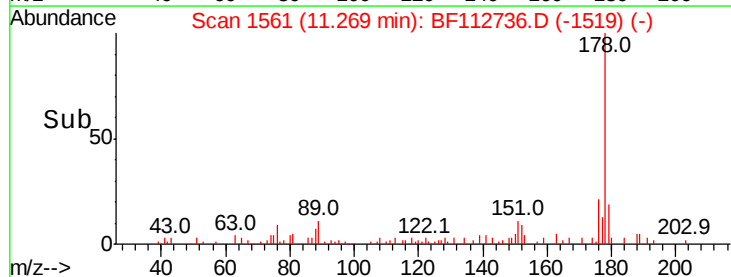
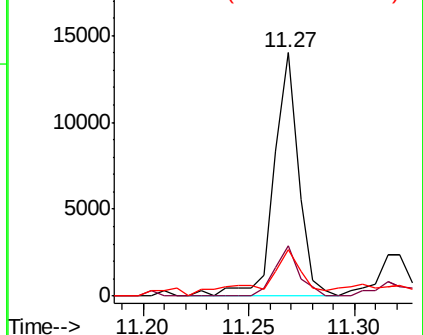
178 100

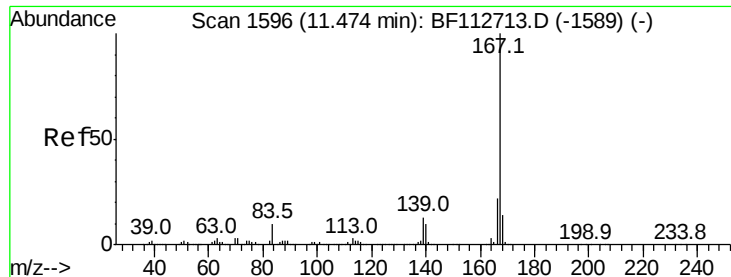
176 20.7 15.8 23.6

179 19.1 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: 0.079 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

Instrument :

BNA_F

ClientSampleId :

B-9(4-5)

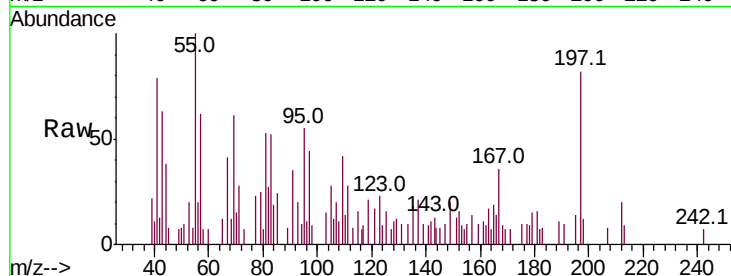
Tot Ion:167 Resp: 2170

Ion Ratio Lower Upper

167 100

166 39.5 17.5 26.3#

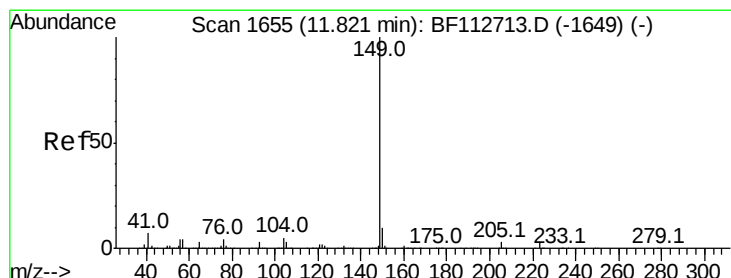
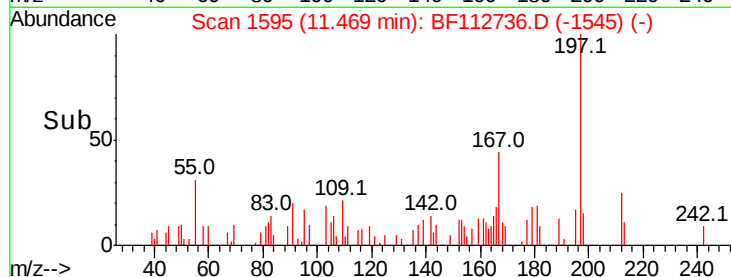
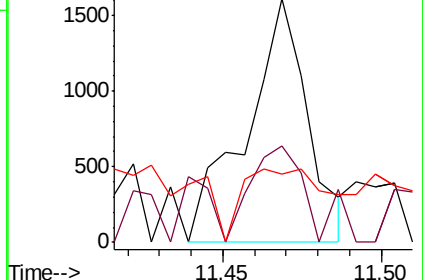
139 28.1 10.8 16.2#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 0.071 ng

RT: 11.82 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

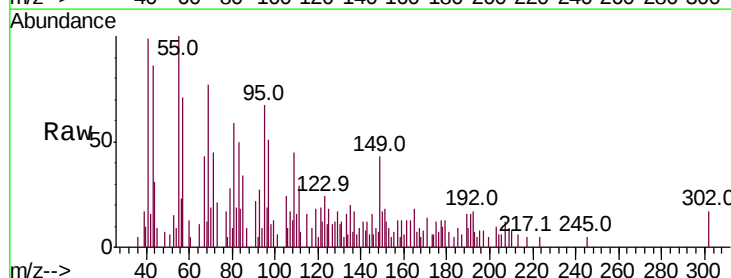
Tgt Ion:149 Resp: 2337

Ion Ratio Lower Upper

149 100

150 40.3 7.6 11.4#

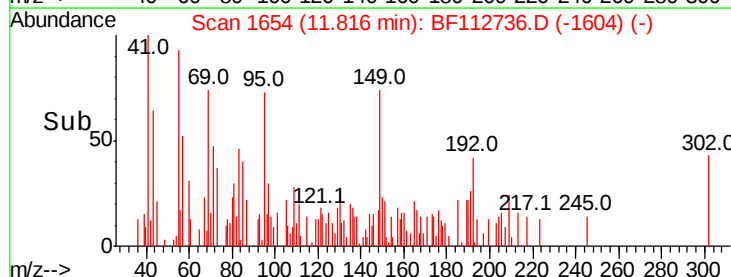
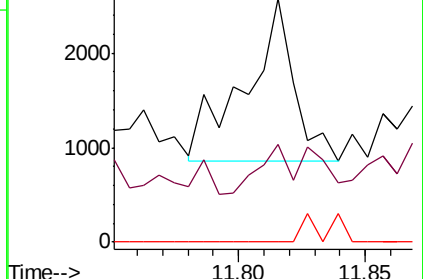
104 0.0 3.7 5.5#

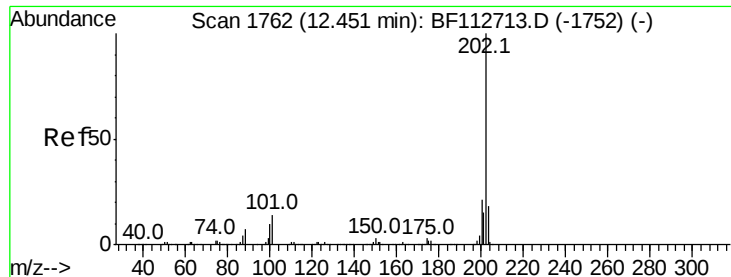


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 0.549 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

Instrument :

BNA_F

ClientSampleId :

B-9(4-5)

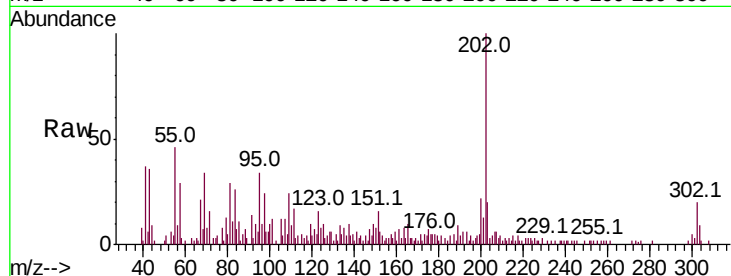
Tot Ion:202 Resp: 15730

Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.8

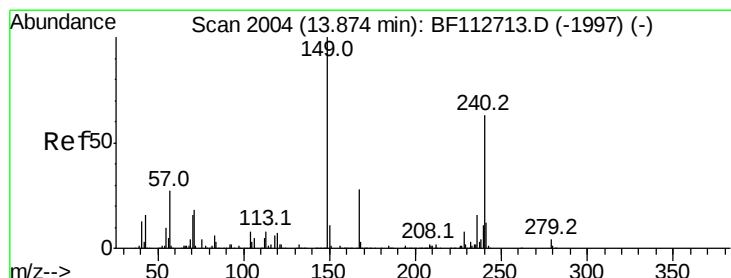
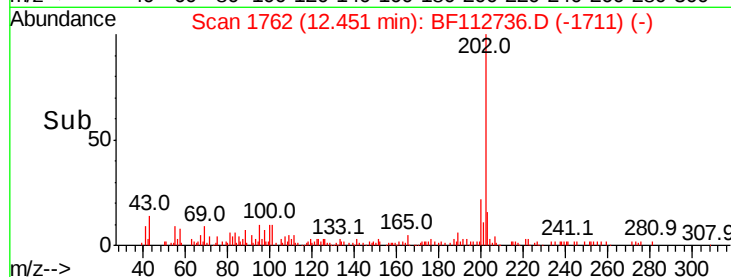
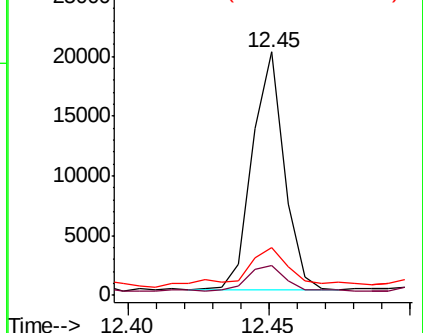
203 19.7 0.0 38.4



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# 2003

Delta R.T. -0.01 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

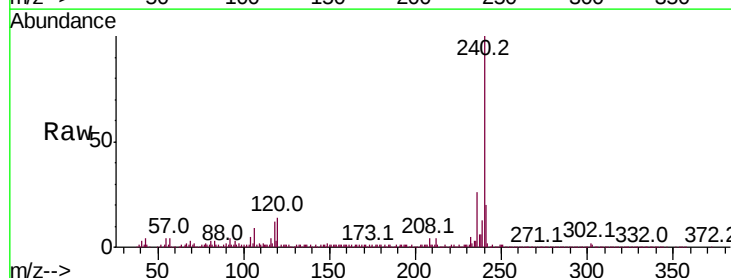
Tgt Ion:240 Resp: 481426

Ion Ratio Lower Upper

240 100

120 13.6 8.9 13.3#

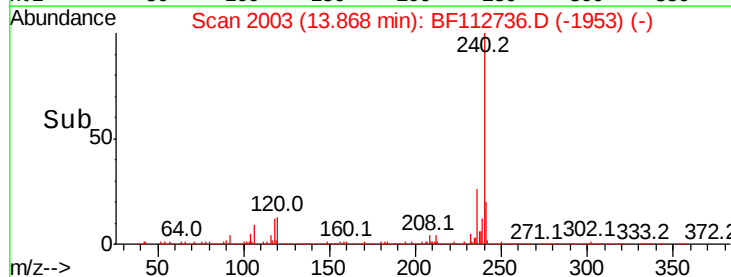
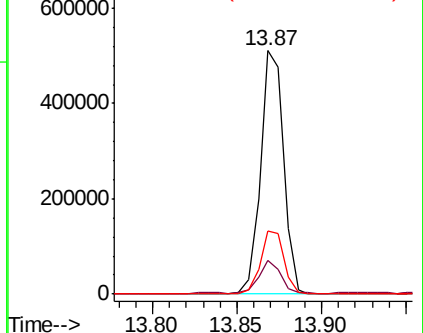
236 26.0 20.7 31.1

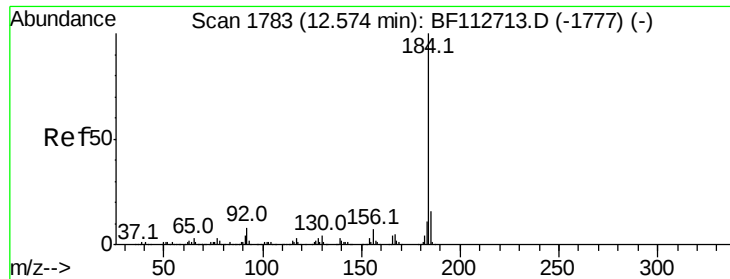


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

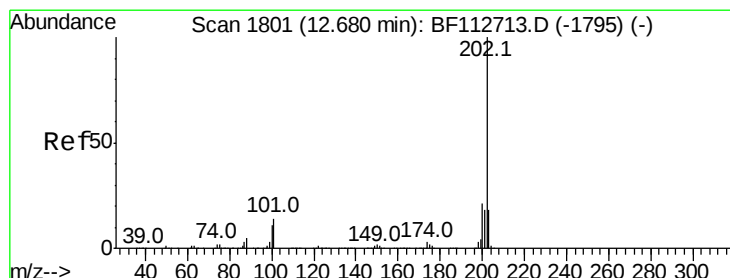
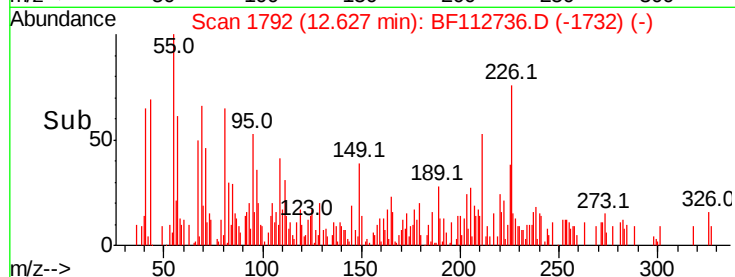
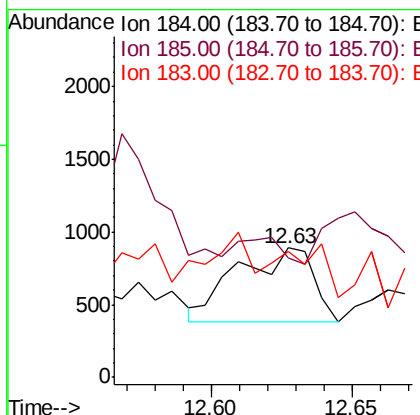
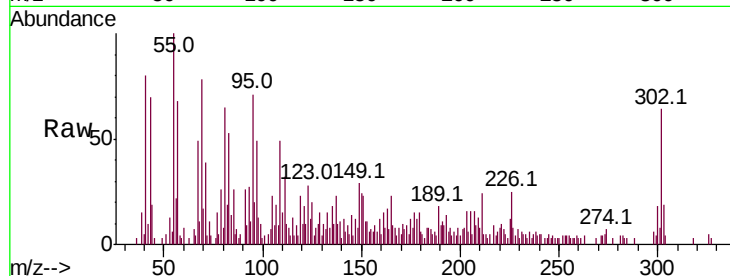




#77
Benzidine
Concen: 0.038 ng
RT: 12.63 min Scan# 1792
Delta R.T. 0.05 min
Lab File: BF112736.D
Acq: 27 Feb 2019 23:18

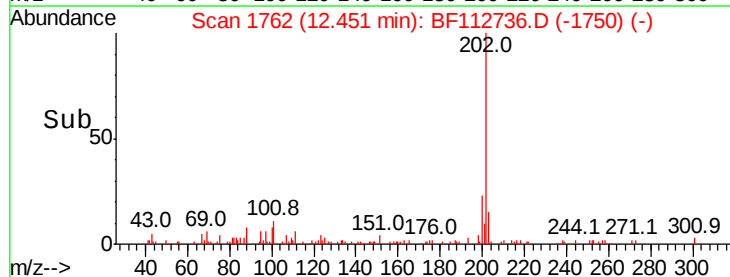
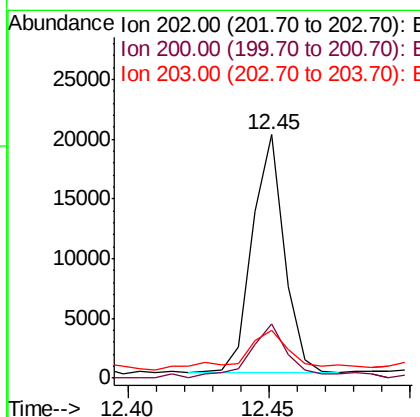
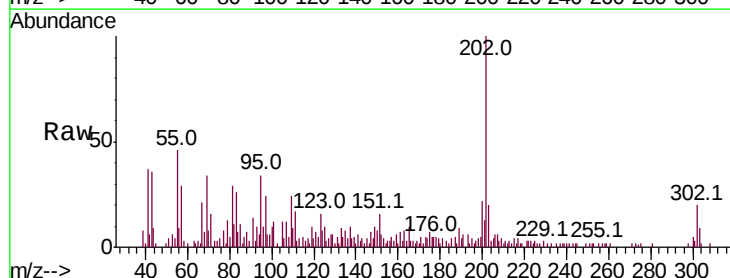
Instrument :
BNA_F
ClientSampleId :
B-9(4-5)

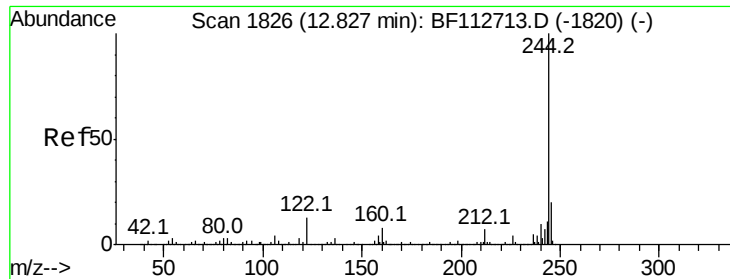
Tot Ion:184 Resp: 949
Ion Ratio Lower Upper
184 100
185 92.4 12.6 18.8#
183 97.9 8.6 12.8#



#78
Pyrene
Concen: 0.388 ng
RT: 12.45 min Scan# 1762
Delta R.T. -0.23 min
Lab File: BF112736.D
Acq: 27 Feb 2019 23:18

Tgt Ion:202 Resp: 15730
Ion Ratio Lower Upper
202 100
200 22.4 17.0 25.4
203 19.7 14.4 21.6





#79

Terphenyl-d14

Concen: 10.425 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

Instrument :

BNA_F

ClientSampleId :

B-9(4-5)

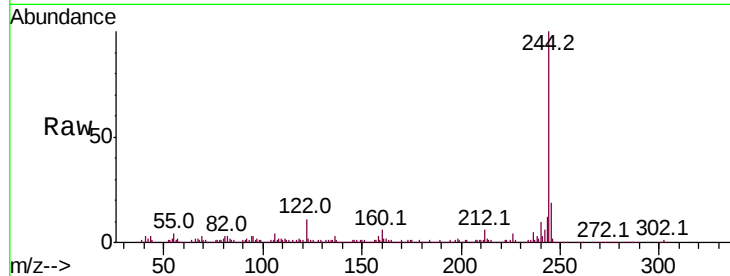
Tot Ion:244 Resp: 258905

Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

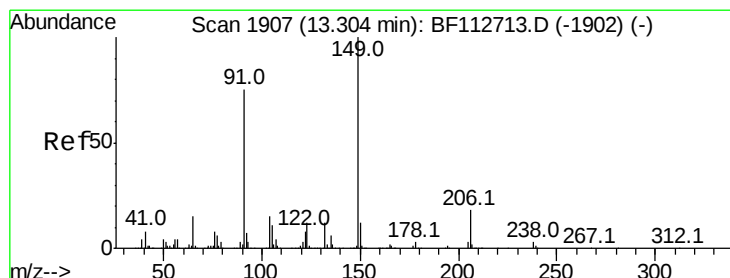
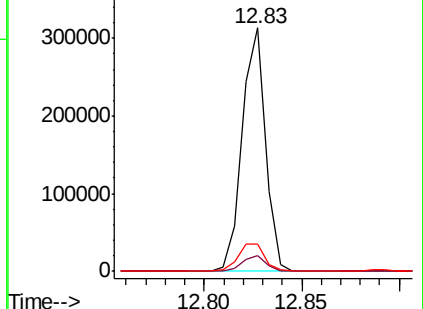
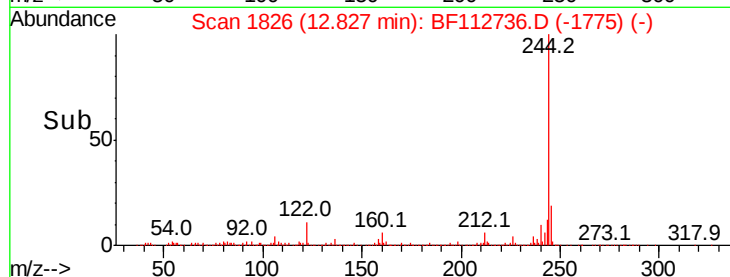
122 11.1 10.5 15.7



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



#80

Butylbenzylphthalate

Concen: 0.094 ng

RT: 13.13 min Scan# 1878

Delta R.T. -0.17 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

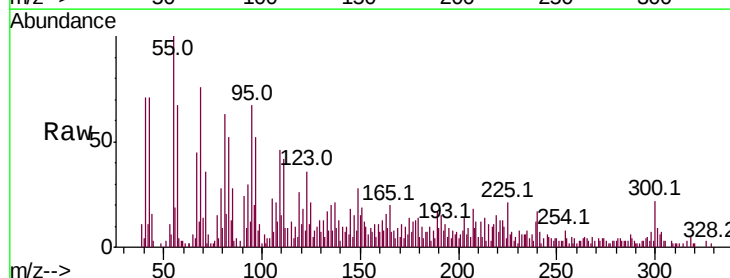
Tgt Ion:149 Resp: 1679

Ion Ratio Lower Upper

149 100

91 85.7 59.9 89.9

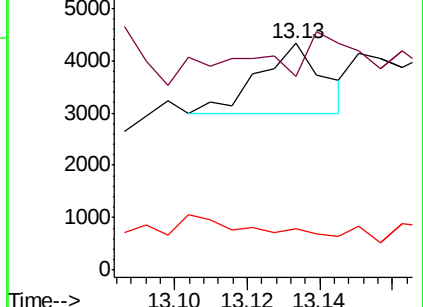
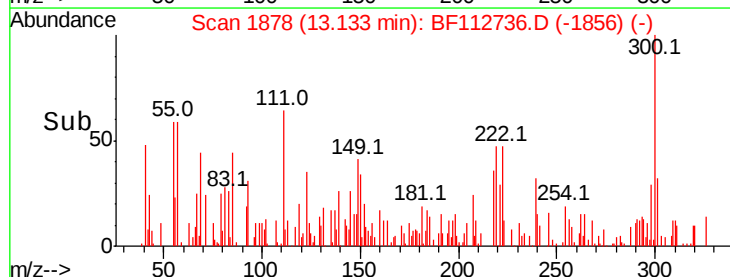
206 18.2 14.7 22.1

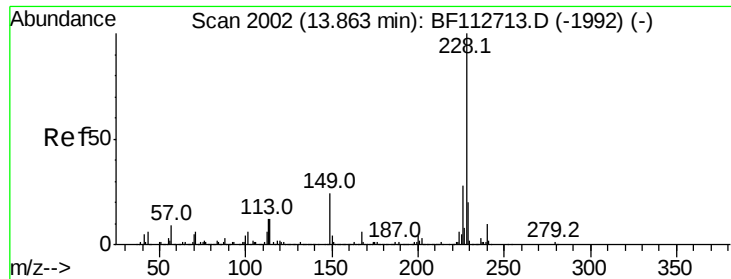


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

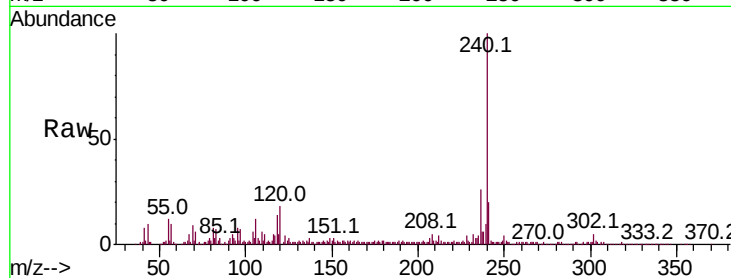




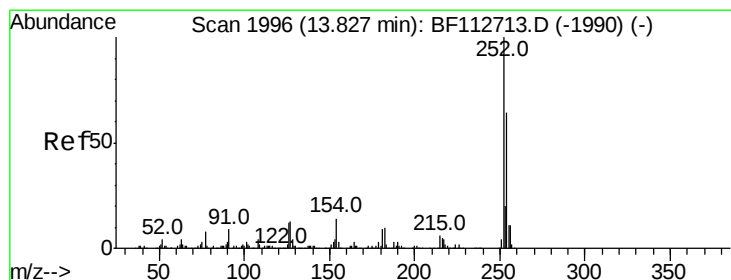
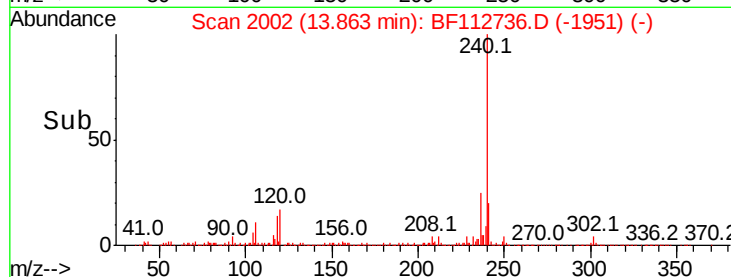
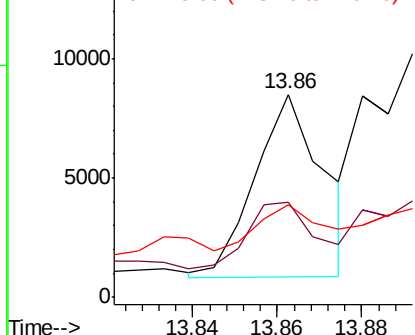
#81
Benzo(a)anthracene
Concen: 0.259 ng
RT: 13.86 min Scan# 2002
Delta R.T. 0.00 min
Lab File: BF112736.D
Acq: 27 Feb 2019 23:18

Instrument :
BNA_F
ClientSampled :
B-9(4-5)

Tot Ion:228 Resp: 8648
Ion Ratio Lower Upper
228 100
226 46.7 22.2 33.4#
229 45.8 16.0 24.0#

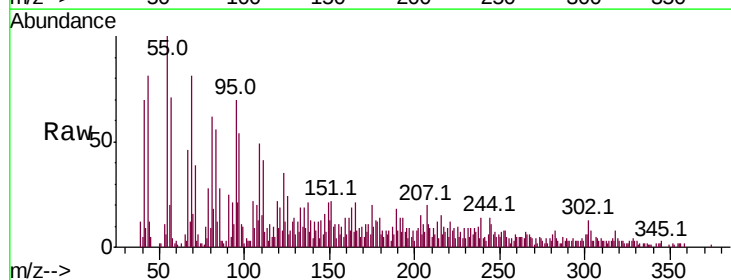


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

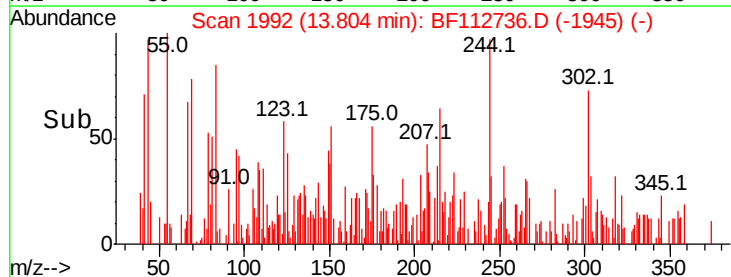
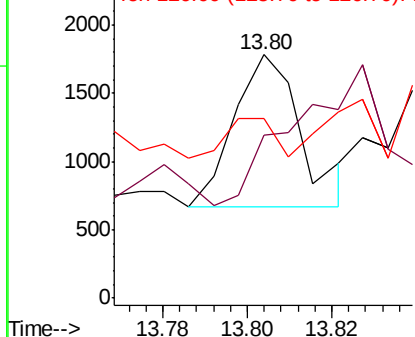


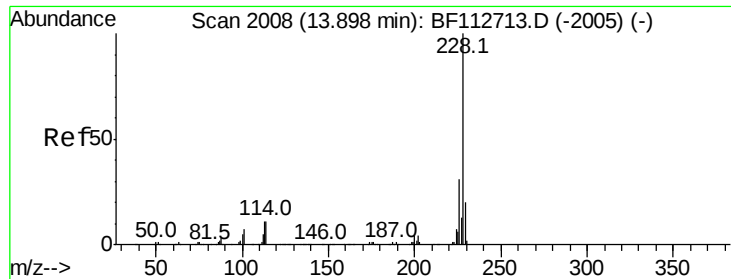
#82
3,3'-Dichlorobenzidine
Concen: 0.098 ng
RT: 13.80 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BF112736.D
Acq: 27 Feb 2019 23:18

Tgt Ion:252 Resp: 1233
Ion Ratio Lower Upper
252 100
254 66.8 51.1 76.7
126 74.0 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: 0.374 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

Instrument :

BNA_F

ClientSampleId :

B-9(4-5)

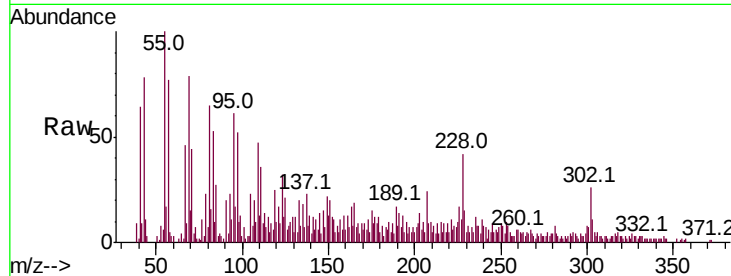
Tot Ion:228 Resp: 12215

Ion Ratio Lower Upper

228 100

226 39.6 24.9 37.3#

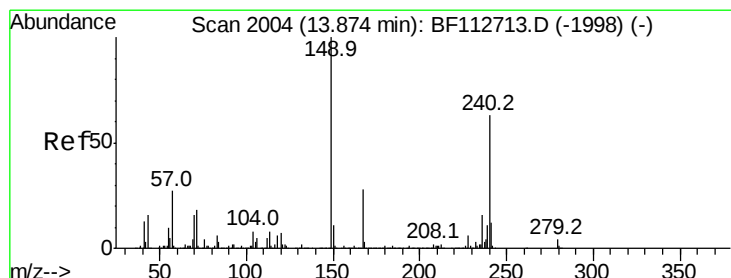
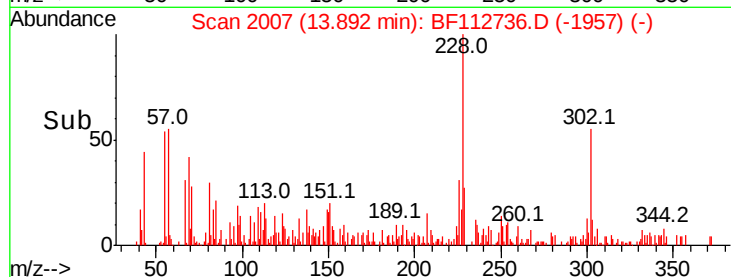
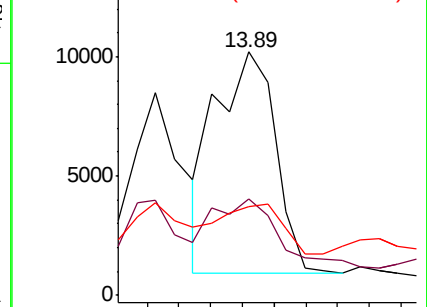
229 36.4 16.3 24.5#



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: 0.439 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

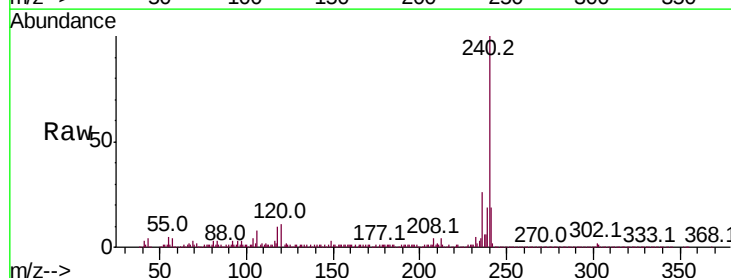
Tgt Ion:149 Resp: 9219

Ion Ratio Lower Upper

149 100

167 30.8 22.4 33.6

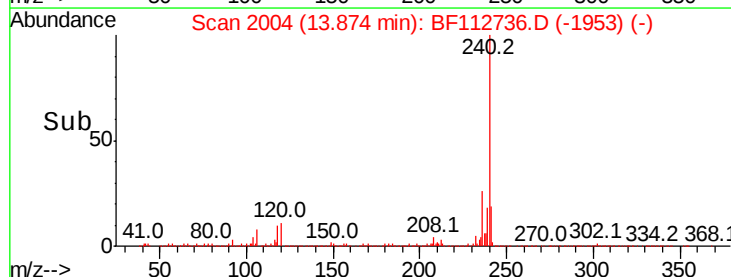
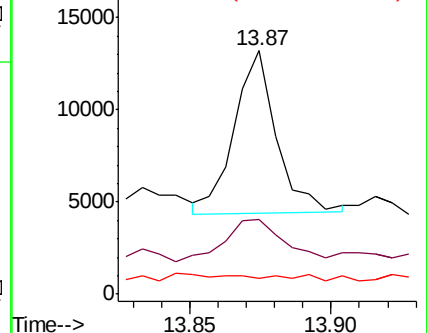
279 6.4 3.3 4.9#

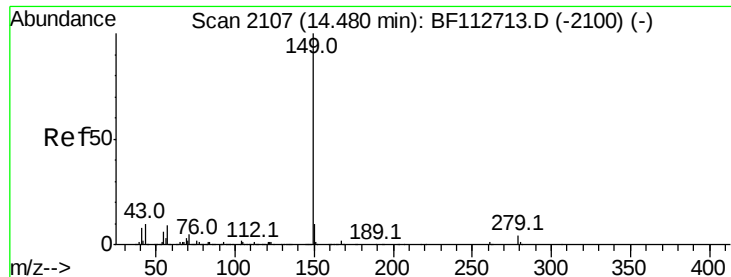


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 0.531 ng

RT: 14.52 min Scan# 2114

Delta R.T. 0.04 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

Instrument :

BNA_F

ClientSampleId :

B-9(4-5)

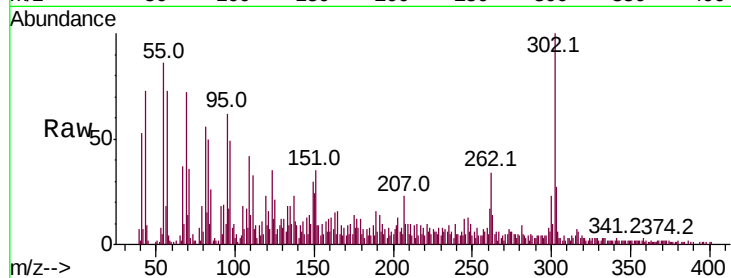
Tot Ion:149 Resp: 19159

Ion Ratio Lower Upper

149 100

167 3.9 1.2 1.8#

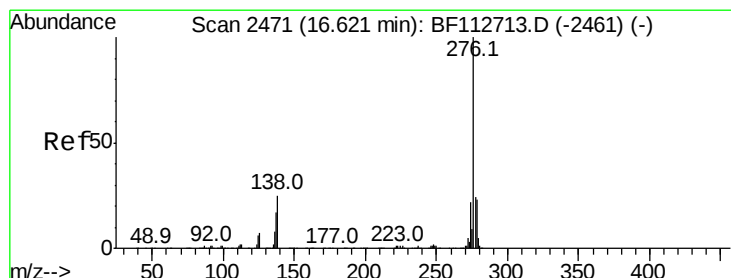
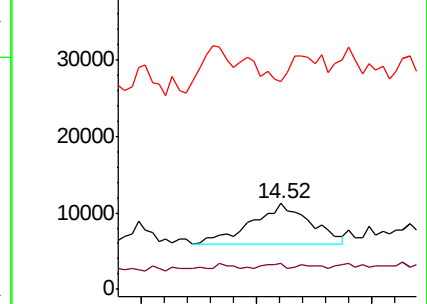
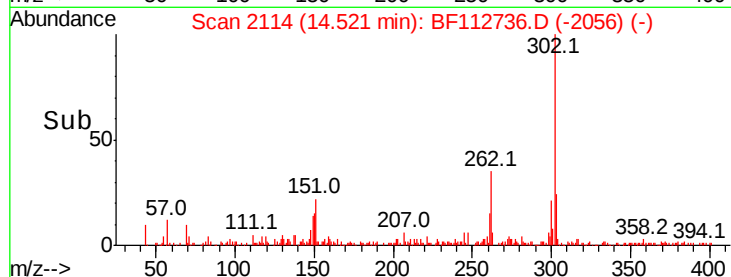
43 0.0 9.0 13.4#



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: 0.149 ng

RT: 16.63 min Scan# 2473

Delta R.T. 0.01 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

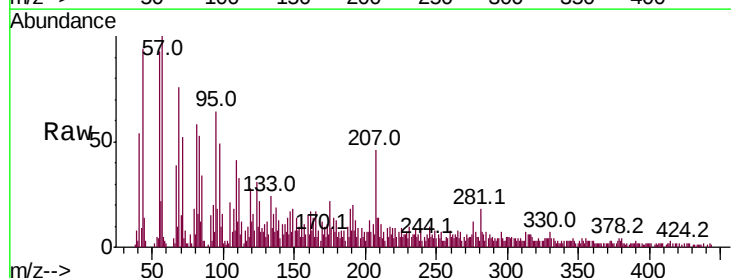
Tgt Ion:276 Resp: 4148

Ion Ratio Lower Upper

276 100

138 21.1 23.2 34.8#

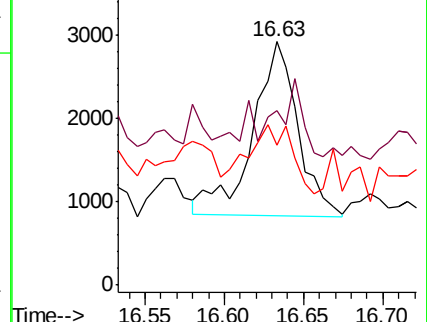
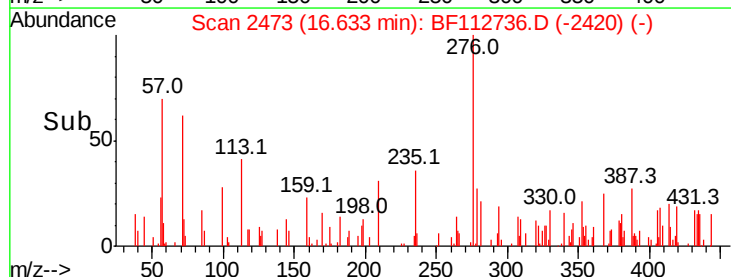
277 36.2 19.9 29.9#

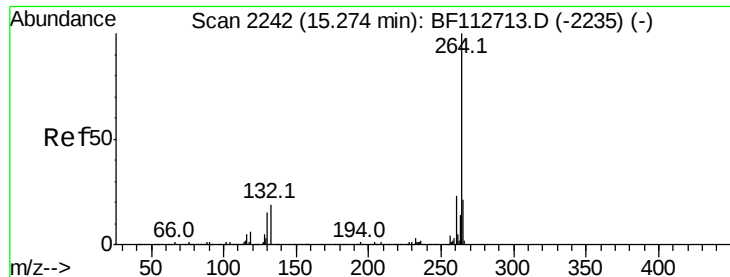


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



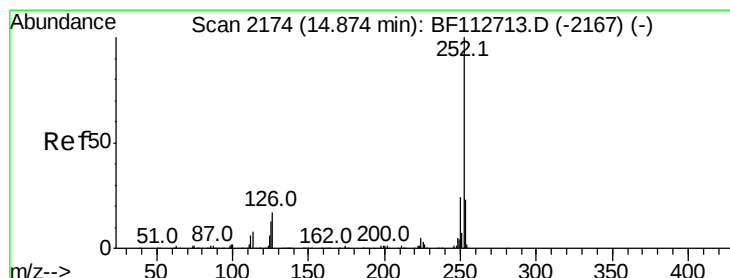
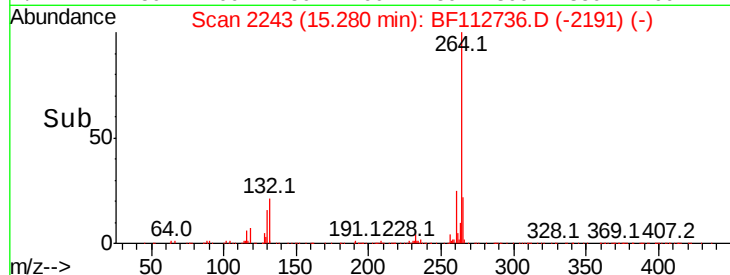
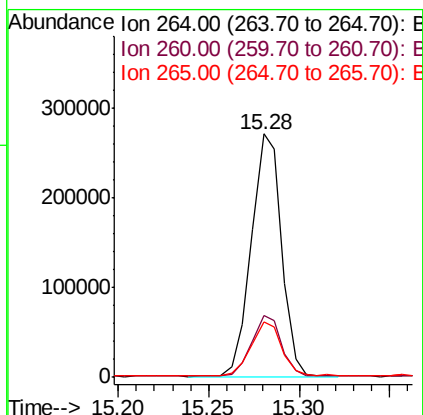
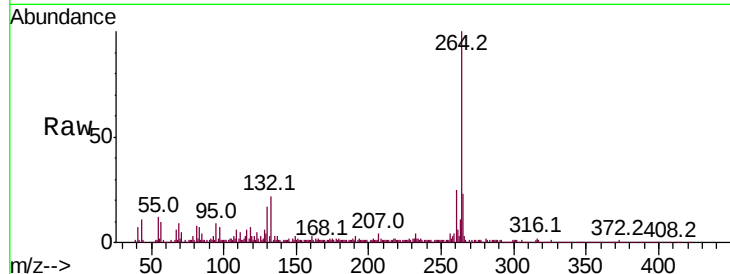


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF112736.D
Acq: 27 Feb 2019 23:18

Instrument :
BNA_F
ClientSampleId :
B-9(4-5)

Tot Ion:264 Resp: 312871

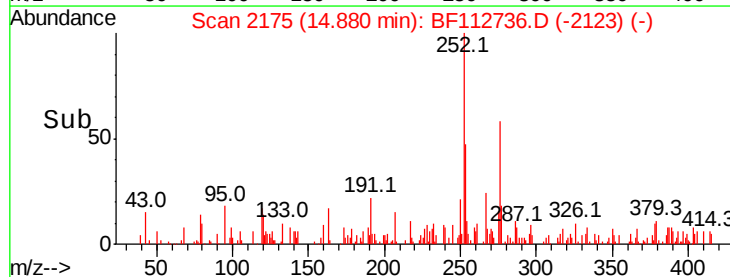
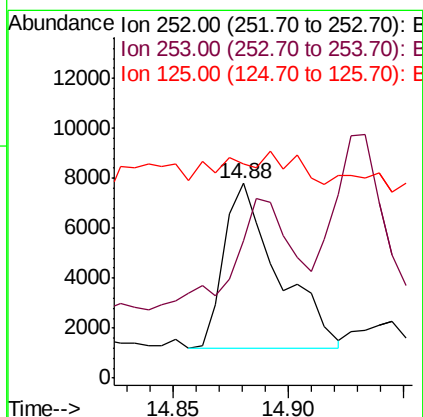
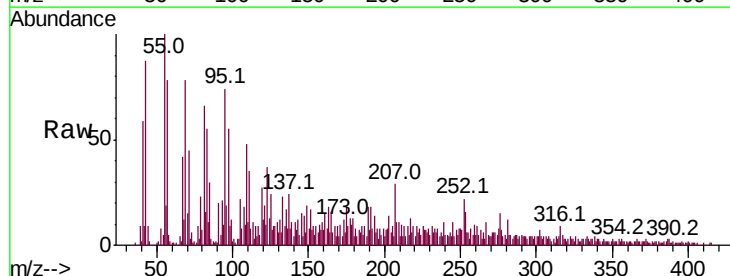
Ion	Ratio	Lower	Upper
264	100		
260	25.3	18.7	28.1
265	22.6	17.2	25.8

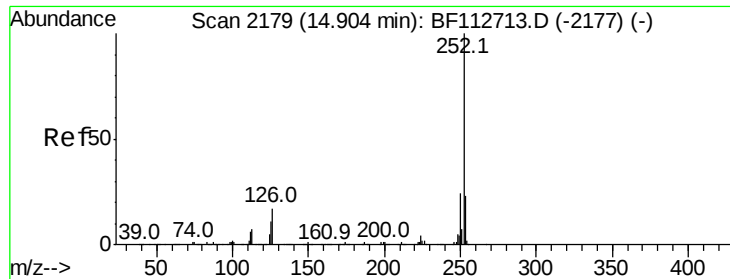


#88
Benzo(b)fluoranthene
Concen: 0.535 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF112736.D
Acq: 27 Feb 2019 23:18

Tgt Ion:252 Resp: 10825

Ion	Ratio	Lower	Upper
252	100		
253	70.8	18.0	27.0#
125	110.4	10.2	15.2#

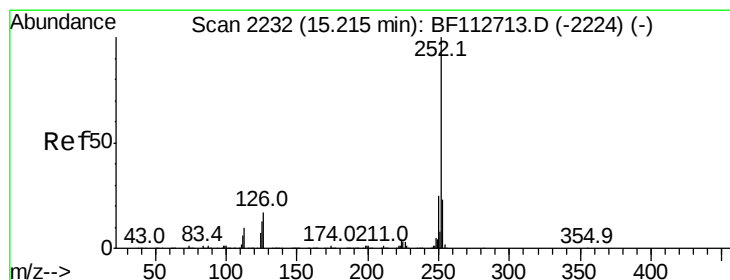
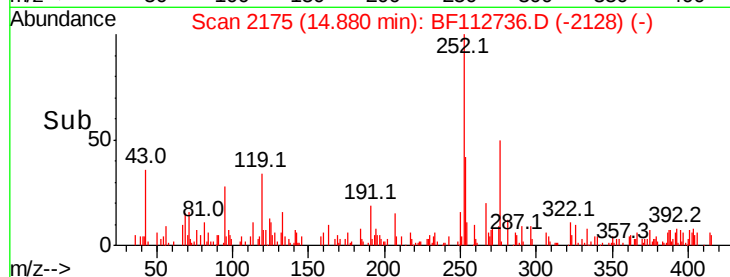
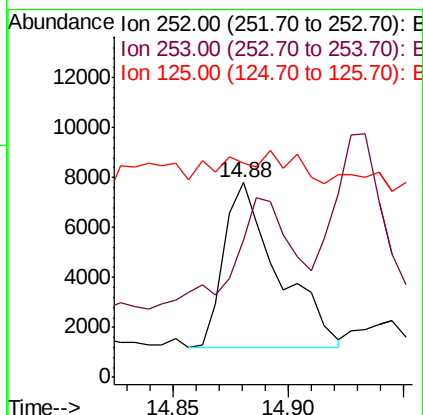
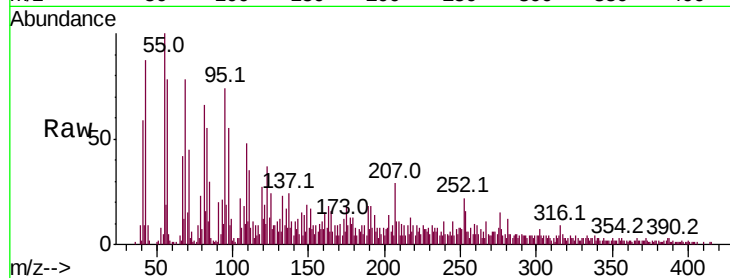




#89
Benzo(k)fluoranthene
Concen: 0.591 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF112736.D
Acq: 27 Feb 2019 23:18

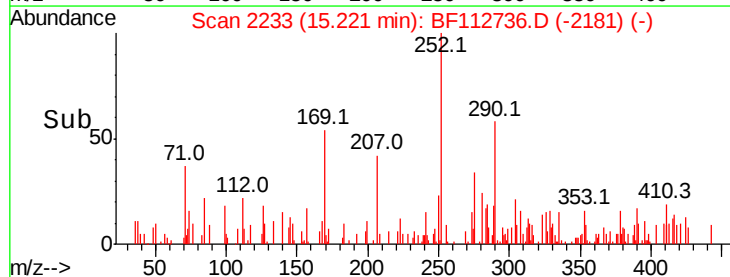
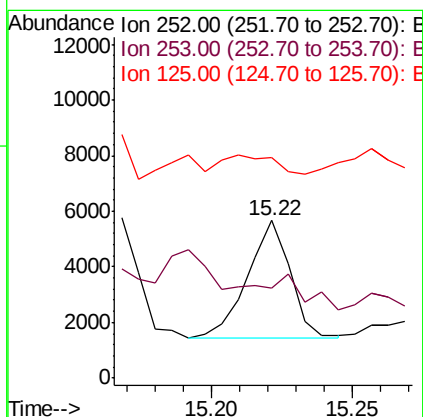
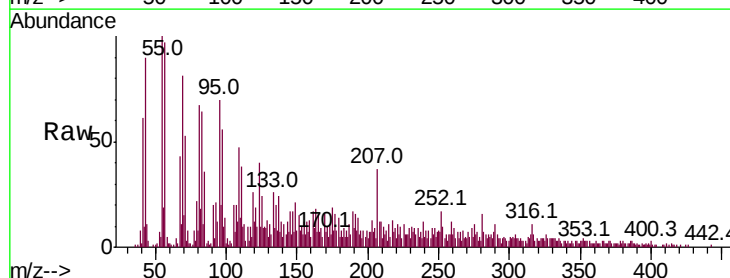
Instrument :
BNA_F
ClientSampleId :
B-9(4-5)

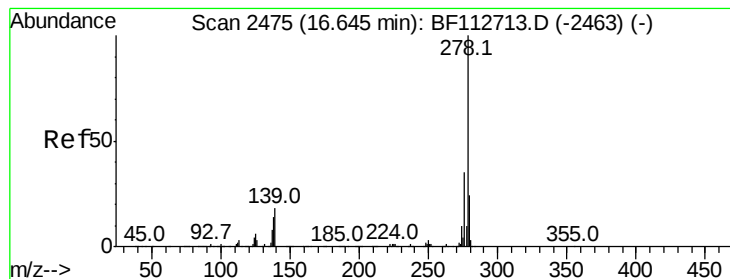
Tot Ion:252 Resp: 10825
Ion Ratio Lower Upper
252 100
253 70.8 18.2 27.2#
125 110.4 9.8 14.6#



#90
Benzo(a)pyrene
Concen: 0.248 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF112736.D
Acq: 27 Feb 2019 23:18

Tgt Ion:252 Resp: 4435
Ion Ratio Lower Upper
252 100
253 57.4 18.0 27.0#
125 140.0 10.7 16.1#





#91

Dibenzo(a,h)anthracene

Concen: 0.017 ng

RT: 16.62 min Scan# 2470

Delta R.T. -0.03 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

Instrument :

BNA_F

ClientSampleId :

B-9(4-5)

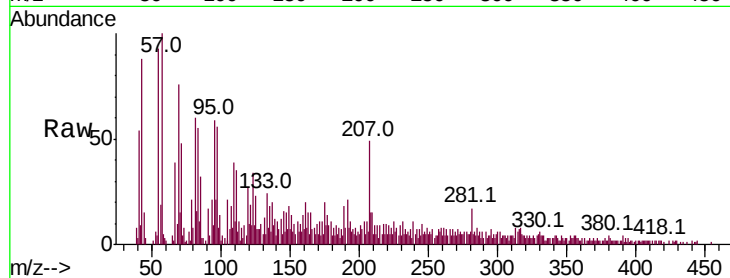
Tot Ion:278 Resp: 266

Ion Ratio Lower Upper

278 100

139 241.5 14.3 21.5#

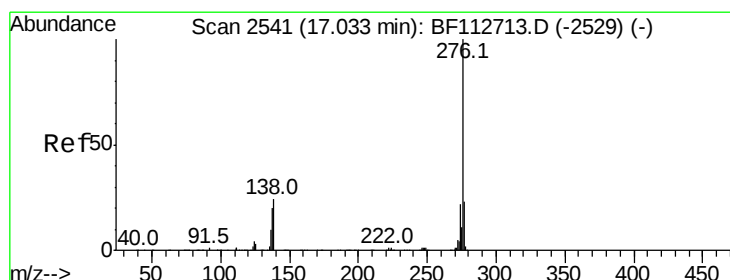
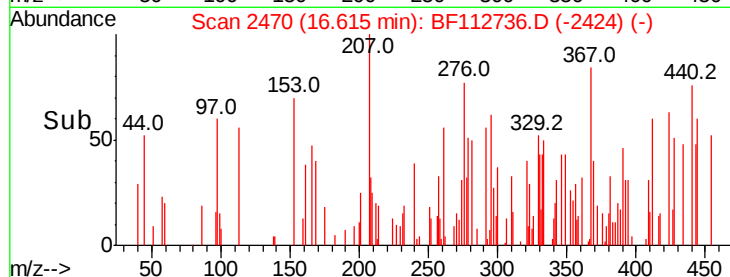
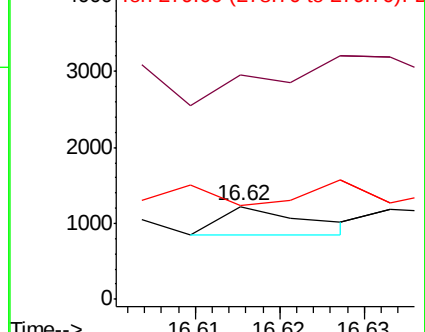
279 100.8 19.4 29.0#



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: 0.292 ng

RT: 17.04 min Scan# 2542

Delta R.T. 0.01 min

Lab File: BF112736.D

Acq: 27 Feb 2019 23:18

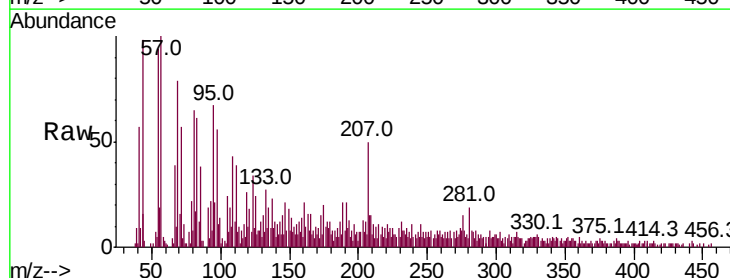
Tgt Ion:276 Resp: 4475

Ion Ratio Lower Upper

276 100

277 54.0 18.6 27.8#

138 56.3 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

