

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
 Data File : BF109496.D
 Acq On : 2 Oct 2018 13:01
 Operator : JU/SJ
 Sample : J5155-04DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW9-GWDL

Quant Time: Oct 02 13:46:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	98882	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	358785	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	193401	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	376864	20.00	ng	0.00
75) Chrysene-d12	13.84	240	282961	20.00	ng	0.00
86) Perylene-d12	15.24	264	268665	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	6025	1.00	ng	0.01
7) Phenol-d6	6.36	99	16976	2.22	ng	0.00
23) Nitrobenzene-d5	7.26	82	27303	4.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	8619	4.52	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	51761	4.04	ng	-0.02
78) Terphenyl-d14	12.79	244	32618	2.83	ng	-0.02

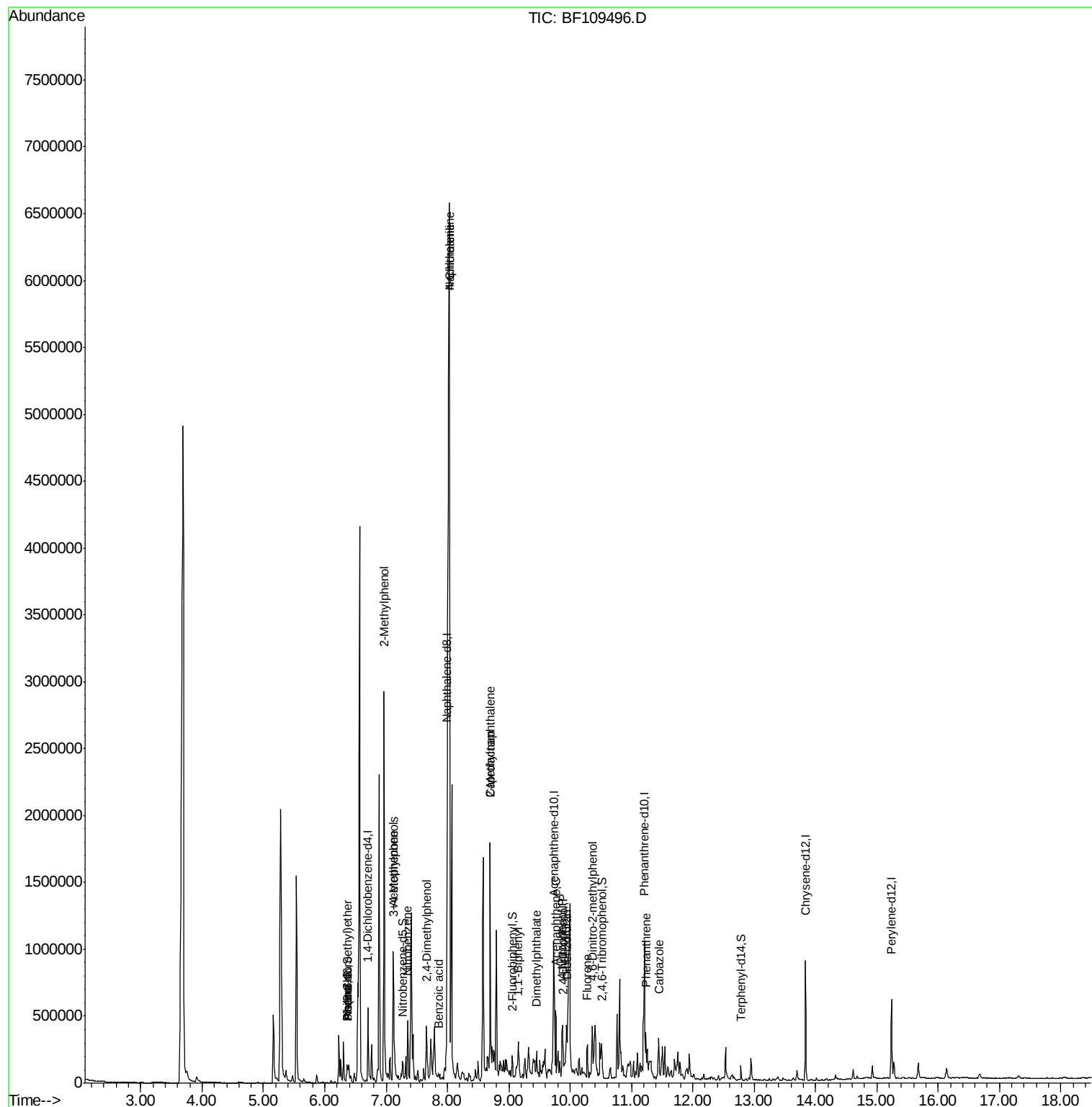
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.37	93	38672	3.946	ng	# 43
10) Phenol	6.37	94	46555	5.366	ng	# 50
11) bis(2-Chloroethyl)ether	6.37	93	38672	5.697	ng	# 34
17) 2-Methylphenol	6.97	107	47532	8.799	ng	# 91
20) 3+4-Methylphenols	7.13	107	109927	16.855	ng	# 83
22) Acetophenone	7.12	105	269752	32.520	ng	# 97
24) Nitrobenzene	7.35	77	25758	3.986	ng	# 41
27) 2,4-Dimethylphenol	7.66	122	88181	18.491	ng	98
31) Naphthalene	8.03	128	5737516	342.213	ng	95
32) Benzoic acid	7.85	122	9772	9.385	ng	# 22
33) 4-Chloroaniline	8.03	127	840631	114.773	ng	# 34
35) Caprolactam	8.70	113	11759	7.351	ng	# 1
37) 2-Methylnaphthalene	8.70	142	479580	44.372	ng	98
45) 1,1'-Biphenyl	9.16	154	70399	4.468	ng	97
49) Dimethylphthalate	9.46	163	75327	5.355	ng	100
51) Acenaphthene	9.76	154	98203	8.553	ng	99
53) 2,4-Dinitrophenol	9.89	184	787	9.214	ng	# 1
54) Dibenzofuran	9.94	168	132497	7.760	ng	98
55) 4-Nitrophenol	9.87	139	9114	3.750	ng	# 33
57) Fluorene	10.28	166	57336	4.706	ng	99
64) 4,6-Dinitro-2-methylphenol	10.36	198	110	6.583	ng	# 1
70) Phenanthrene	11.23	178	116885	6.212	ng	99
72) Carbazole	11.44	167	67769	3.569	ng	100

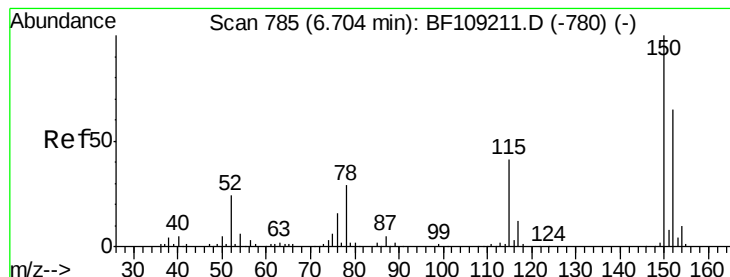
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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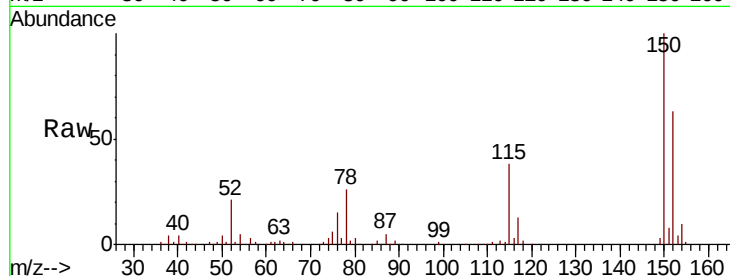


#1

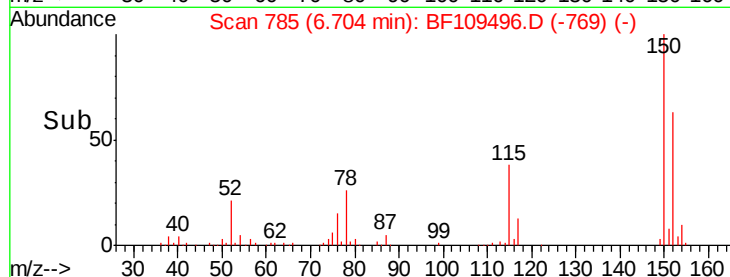
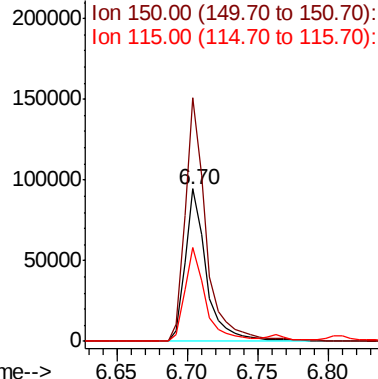
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GWDL

Tot Ion:152 Resp: 98882
Ion Ratio Lower Upper
152 100
150 160.0 124.6 186.8
115 61.3 50.1 75.1



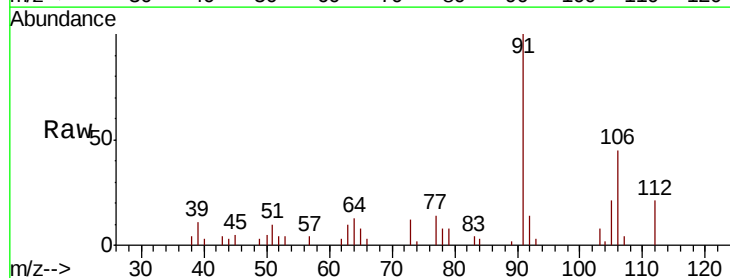
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



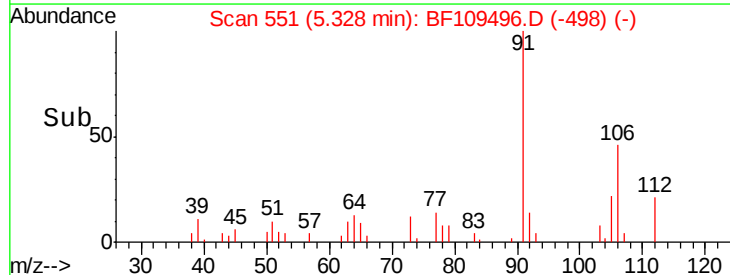
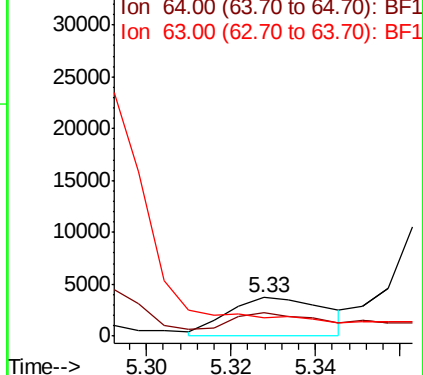
#5

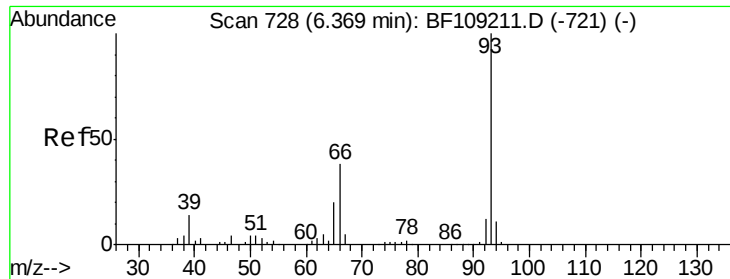
2-Fluorophenol
Concen: 1.004 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

Tgt Ion:112 Resp: 6025
Ion Ratio Lower Upper
112 100
64 61.9 47.9 71.9
63 47.4 23.7 35.5#



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: 3.946 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW9-GWDL

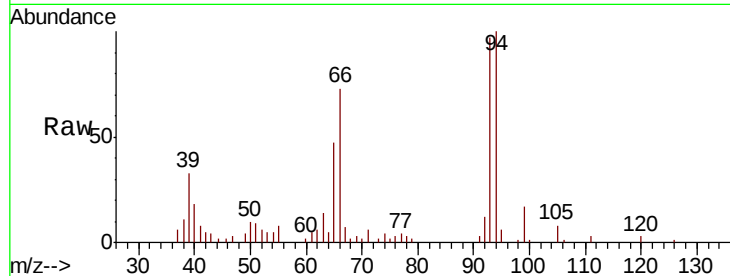
Tot Ion: 93 Resp: 38672

Ion Ratio Lower Upper

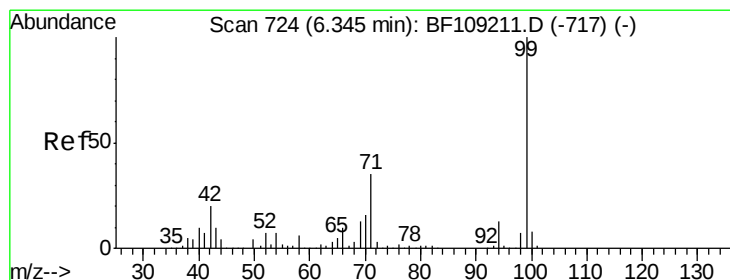
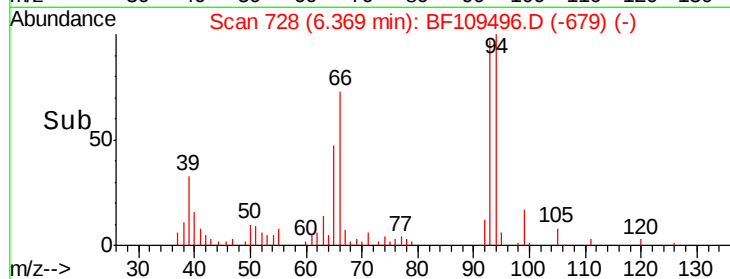
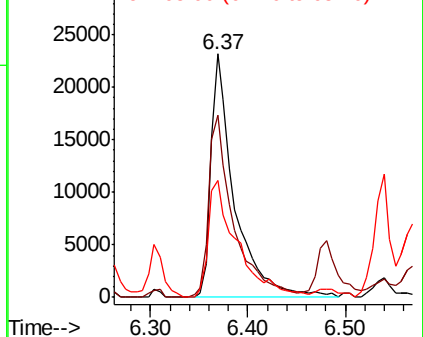
93 100

66 74.8 32.2 48.2#

65 47.9 16.4 24.6#



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: 2.216 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

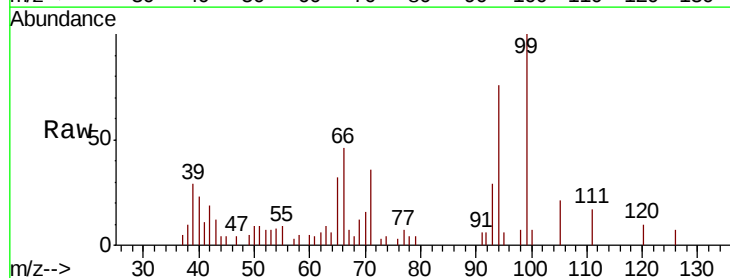
Tgt Ion: 99 Resp: 16976

Ion Ratio Lower Upper

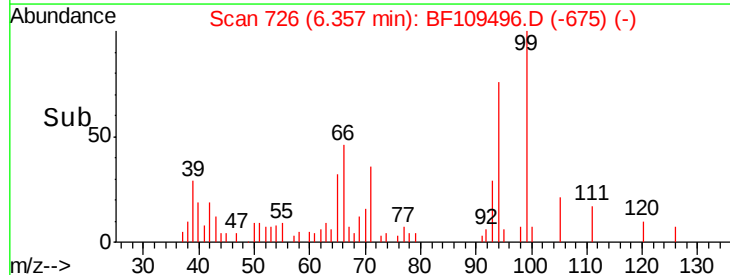
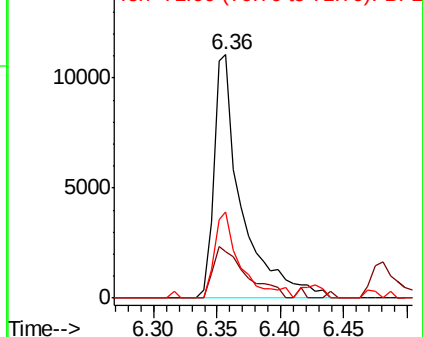
99 100

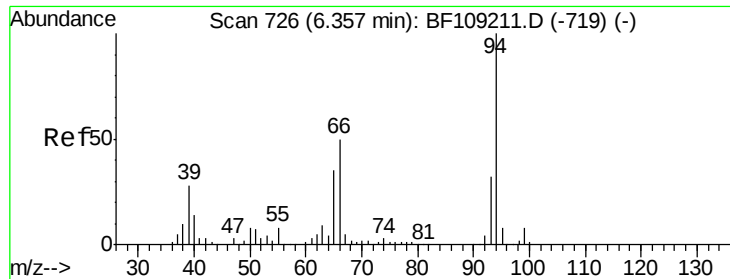
42 19.1 14.5 21.7

71 35.6 25.4 38.0



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





#10

Phenol

Concen: 5.366 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW9-GWDL

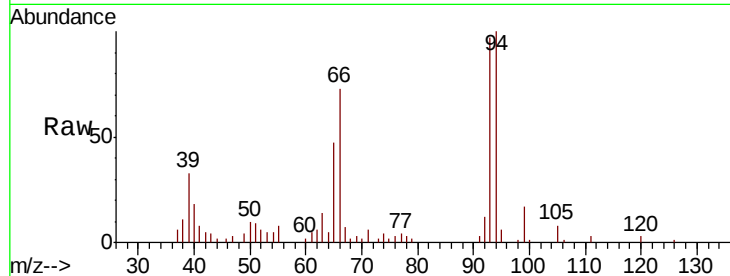
Tot Ion: 94 Resp: 46555

Ion Ratio Lower Upper

94 100

65 46.5 7.9 47.9

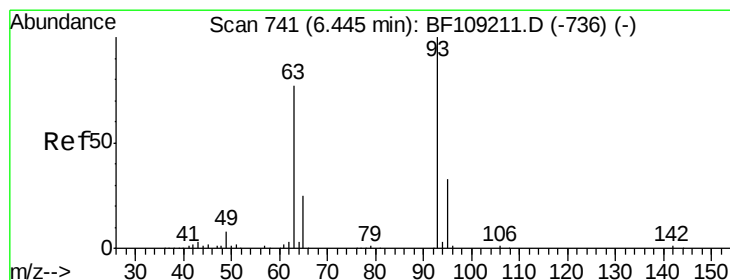
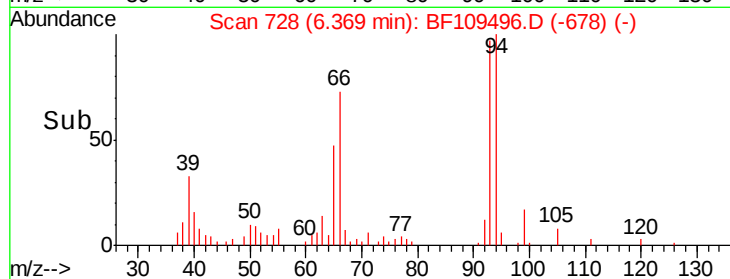
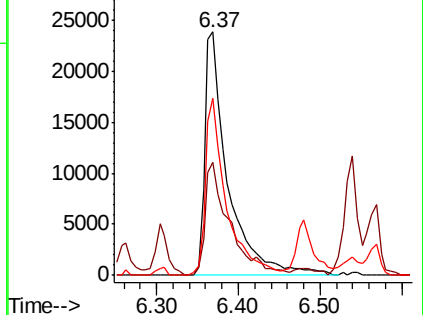
66 72.7 16.2 56.2#



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: 5.697 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.09 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

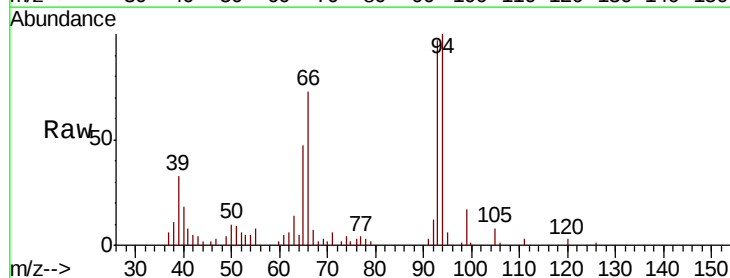
Tgt Ion: 93 Resp: 38672

Ion Ratio Lower Upper

93 100

63 14.2 58.6 98.6#

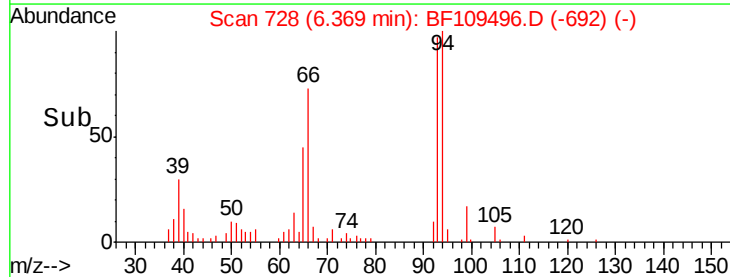
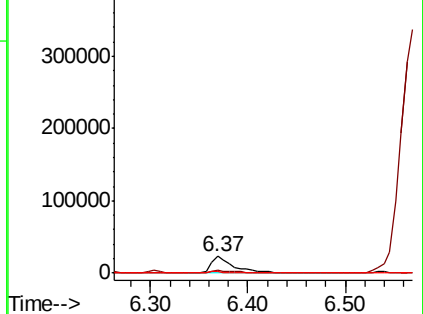
95 6.5 11.8 51.8#

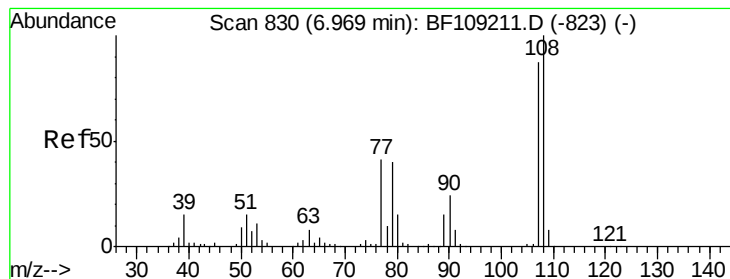


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1





#17

2-Methylphenol

Concen: 8.799 ng

RT: 6.97 min Scan# 830

Delta R.T. -0.01 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW9-GWDL

Tot Ion:107 Resp: 47532

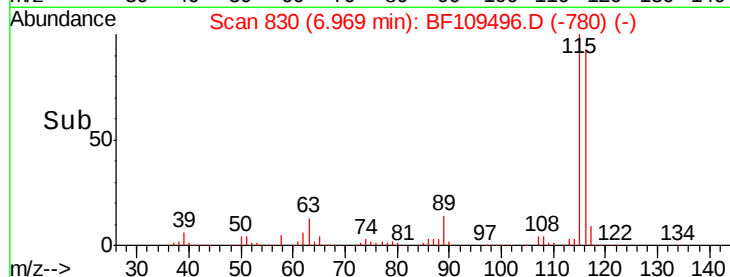
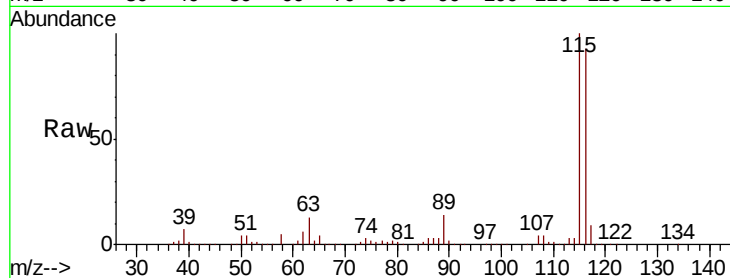
Ion Ratio Lower Upper

107 100

108 114.5 91.7 137.5

77 61.2 33.8 50.8#

79 48.9 33.8 50.8



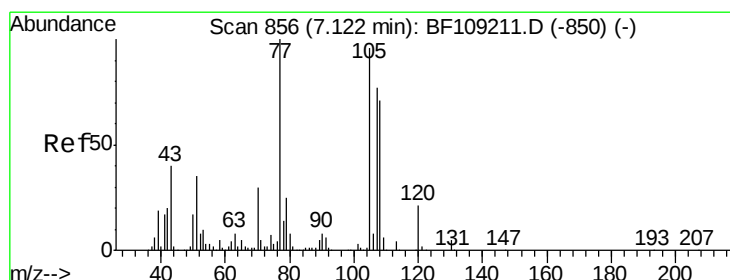
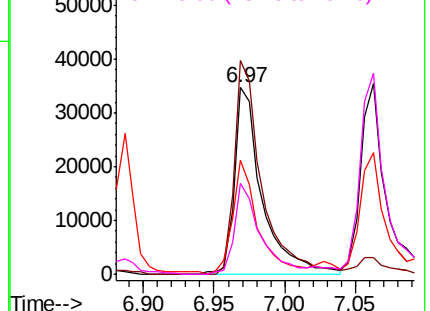
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#20

3+4-Methylphenols

Concen: 16.855 ng

RT: 7.13 min Scan# 857

Delta R.T. -0.01 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

Tgt Ion:107 Resp: 109927

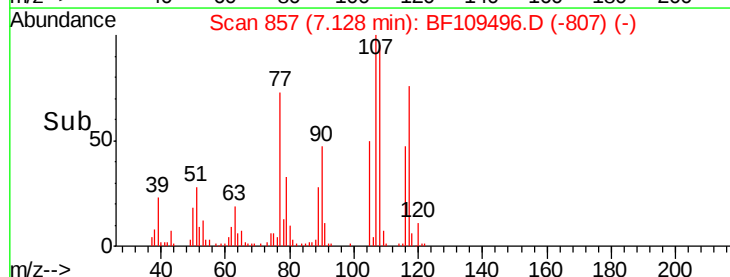
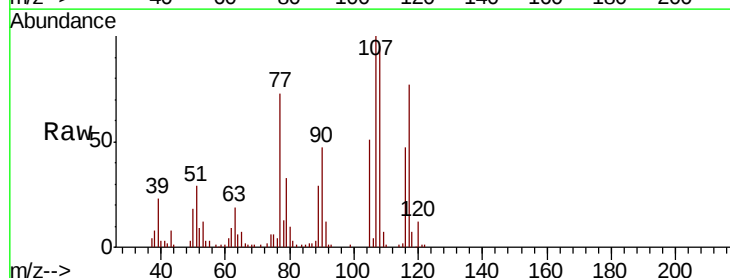
Ion Ratio Lower Upper

107 100

108 94.7 68.2 108.2

77 72.6 26.7 66.7#

79 32.6 6.3 46.3



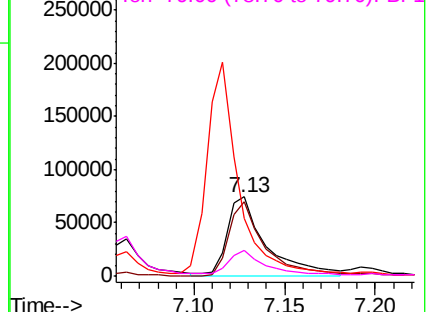
Abundance

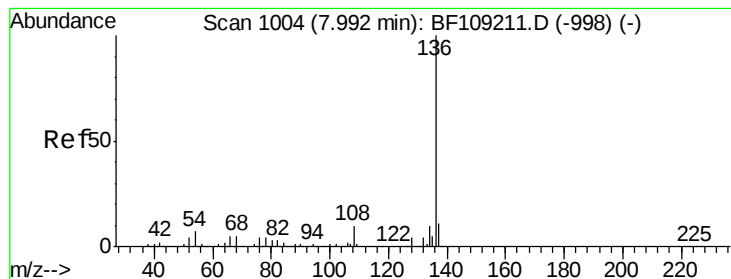
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW9-GWDL

Tot Ion:136 Resp: 358785

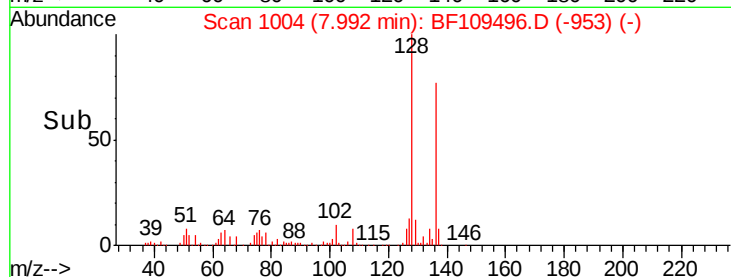
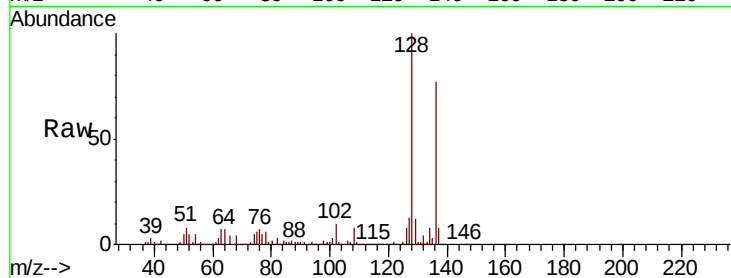
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.9 6.6 9.8

68 5.6 5.0 7.4

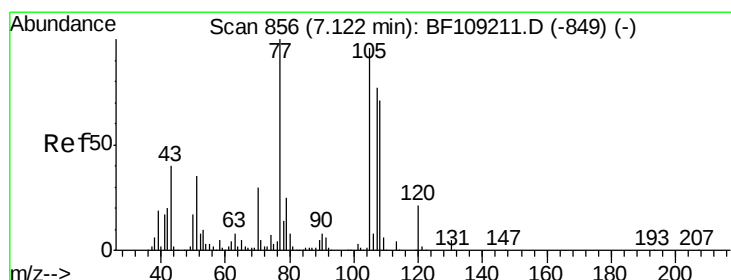
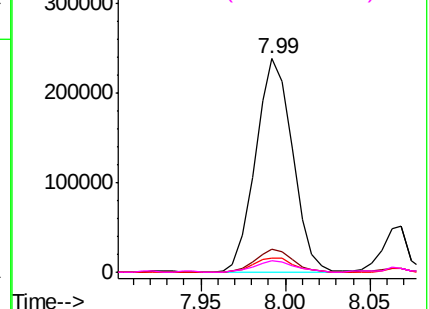


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 32.520 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

Tgt Ion:105 Resp: 269752

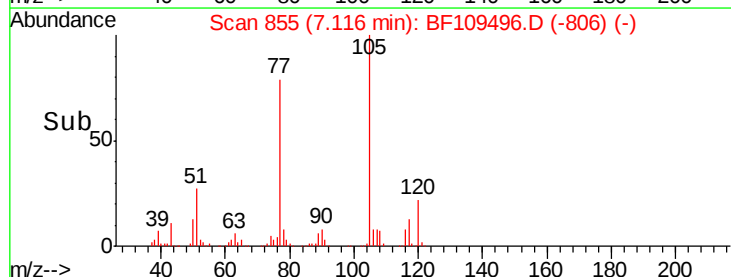
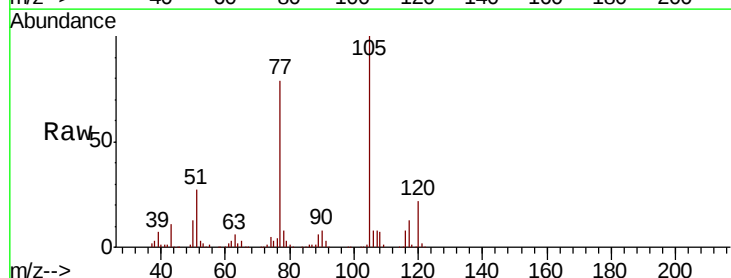
Ion Ratio Lower Upper

105 100

71 0.2 4.4 6.6#

51 27.5 22.3 33.5

120 21.8 16.9 25.3

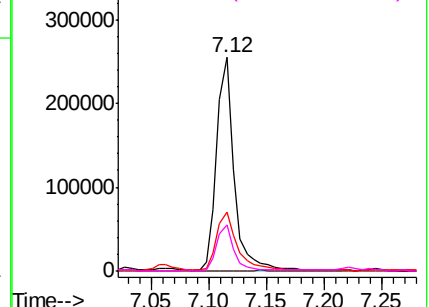


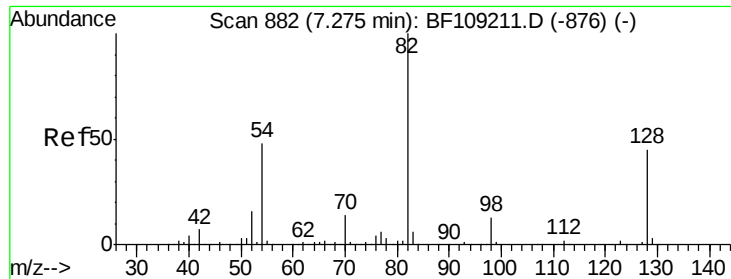
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

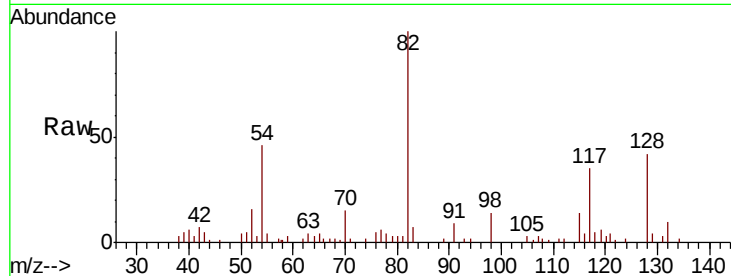




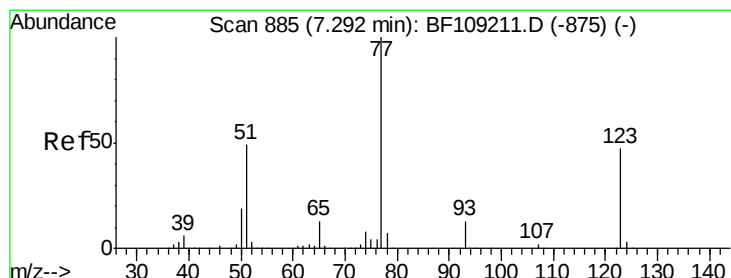
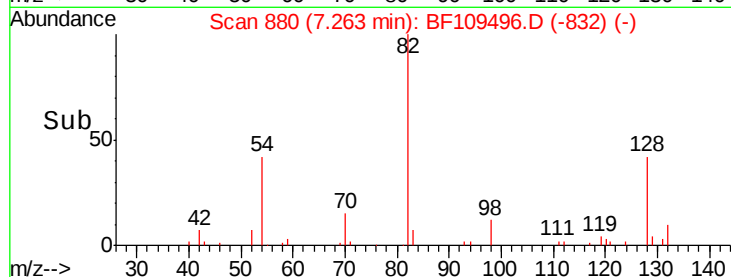
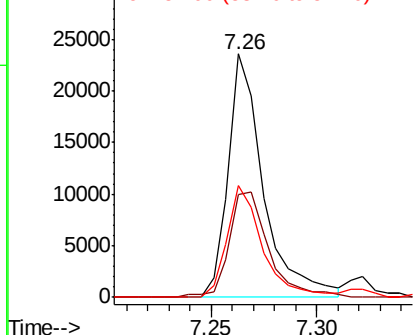
#23
 Nitrobenzene-d5
 Concen: 4.492 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF109496.D
 Acq: 2 Oct 2018 13:01

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW9-GWDL

Tot Ion	82	Resp	27303
Ion Ratio	100	Lower	Upper
128	42.2	36.1	54.1
54	45.7	41.4	62.2

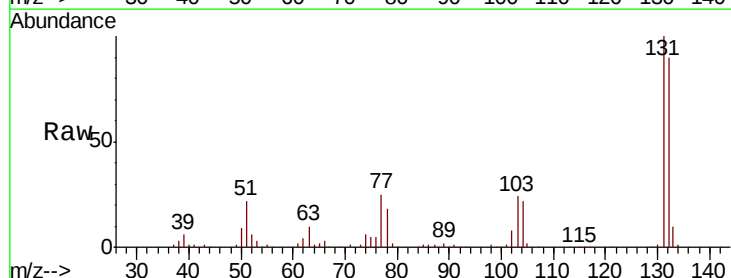


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

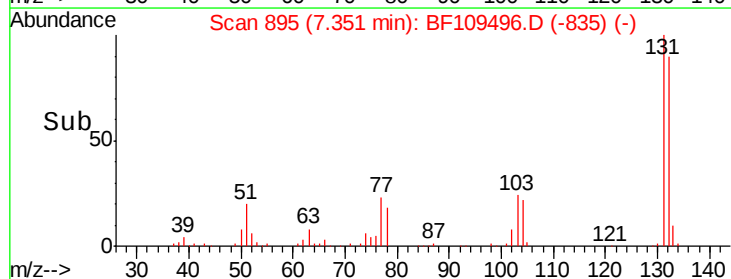
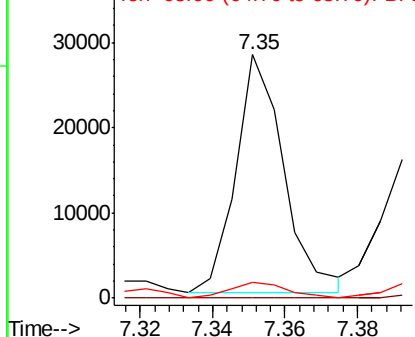


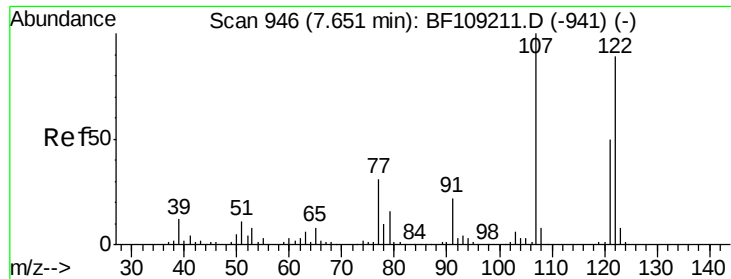
#24
 Nitrobenzene
 Concen: 3.986 ng
 RT: 7.35 min Scan# 895
 Delta R.T. 0.05 min
 Lab File: BF109496.D
 Acq: 2 Oct 2018 13:01

Tgt Ion	77	Resp	25758
Ion Ratio	100	Lower	Upper
123	0.0	37.9	56.9#
65	6.6	11.0	16.4#



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

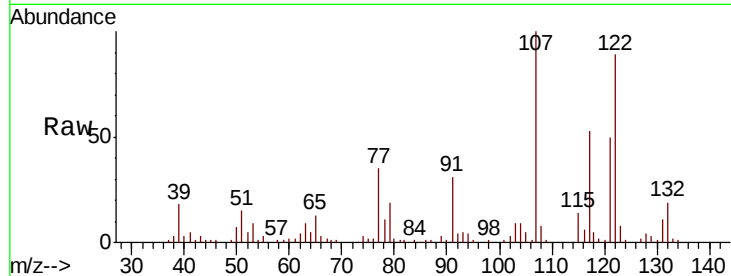




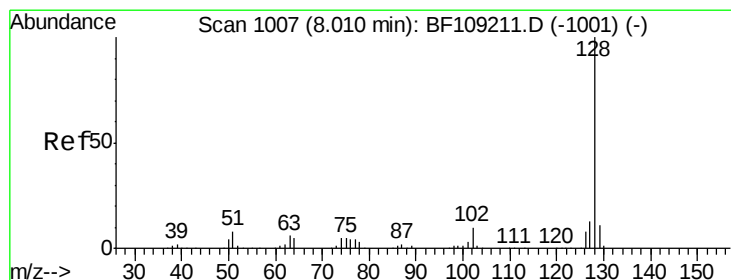
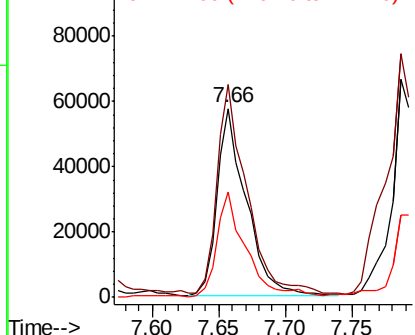
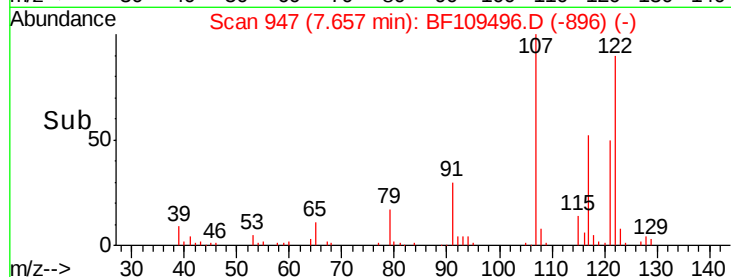
#27
2,4-Dimethylphenol
Concen: 18.491 ng
RT: 7.66 min Scan# 947
Delta R.T. -0.00 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GWDL

Tot Ion:122 Resp: 88181
Ion Ratio Lower Upper
122 100
107 112.9 91.2 136.8
121 55.9 47.2 70.8

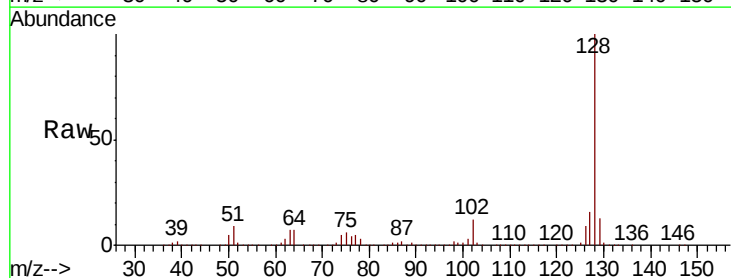


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

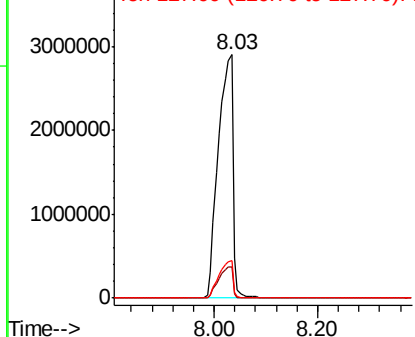
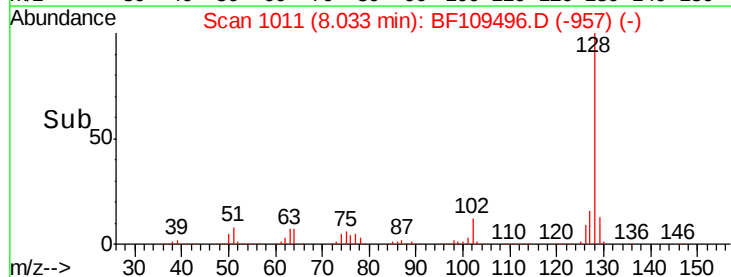


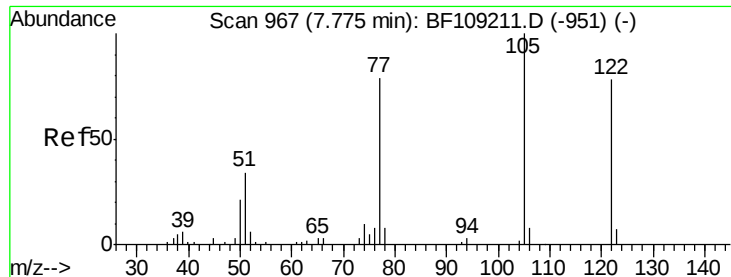
#31
Naphthalene
Concen: 342.213 ng
RT: 8.03 min Scan# 1011
Delta R.T. 0.02 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

Tgt Ion:128 Resp: 5737516
Ion Ratio Lower Upper
128 100
129 12.7 8.8 13.2
127 15.5 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

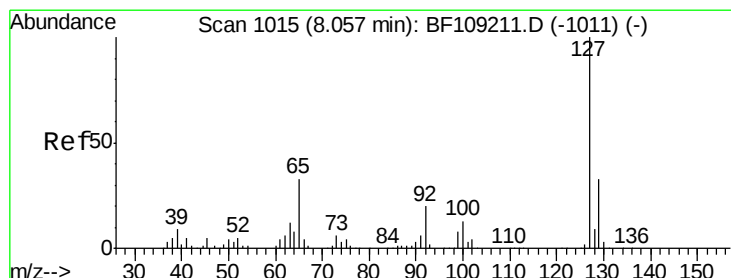
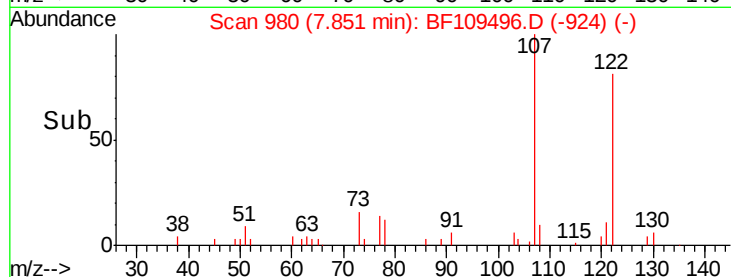
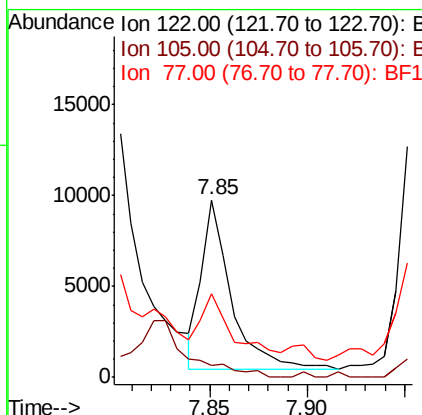
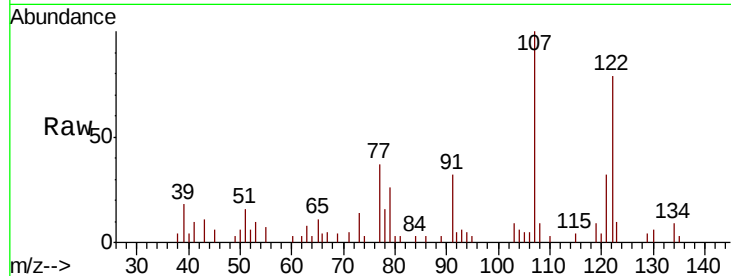




#32
Benzoic acid
Concen: 9.385 ng
RT: 7.85 min Scan# 980
Delta R.T. 0.03 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

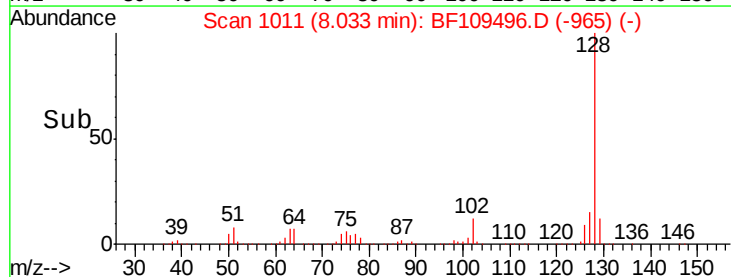
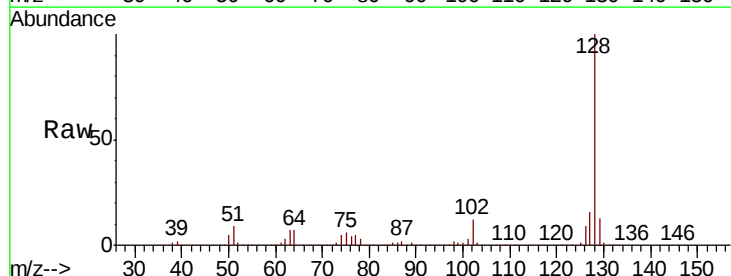
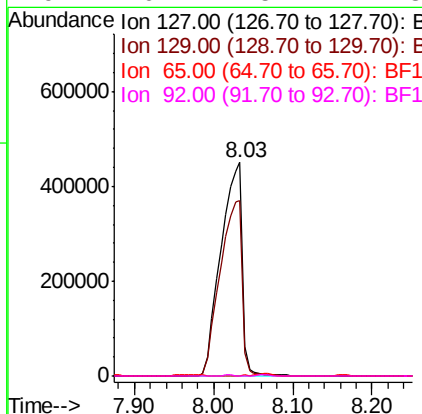
Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GWDL

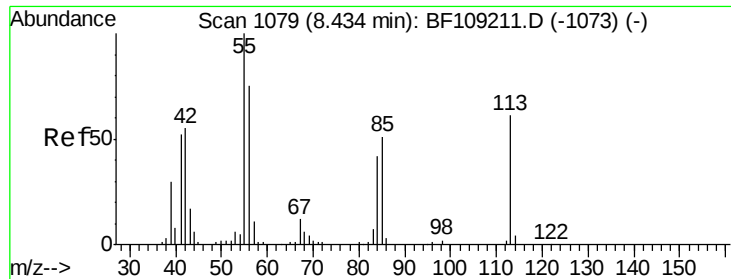
Tot Ion:122 Resp: 9772
Ion Ratio Lower Upper
122 100
105 6.7 101.1 141.1#
77 47.2 70.7 110.7#



#33
4-Chloroaniline
Concen: 114.773 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.03 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

Tgt Ion:127 Resp: 840631
Ion Ratio Lower Upper
127 100
129 82.1 25.9 38.9#
65 0.0 25.0 37.4#
92 0.1 15.2 22.8#





#35

Caprolactam

Concen: 7.351 ng

RT: 8.70 min Scan# 1124

Delta R.T. 0.24 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW9-GWDL

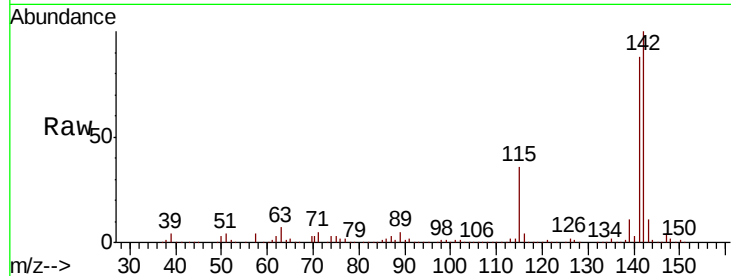
Tot Ion:113 Resp: 11759

Ion Ratio Lower Upper

113 100

55 14.9 163.3 203.3#

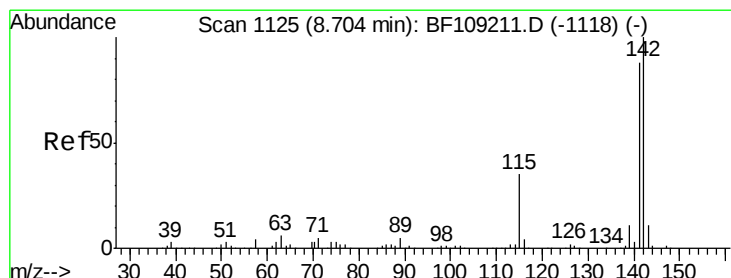
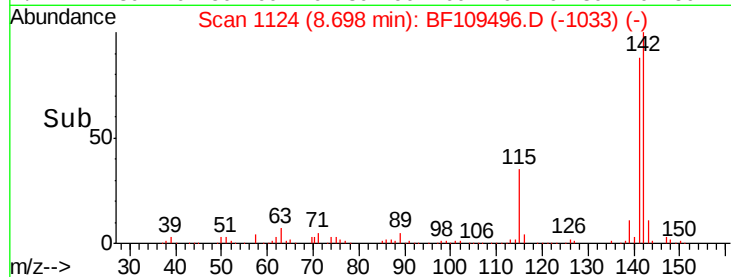
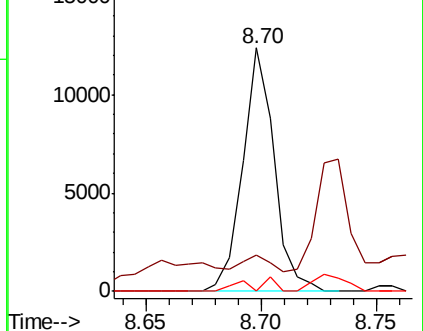
56 0.0 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#37

2-Methylnaphthalene

Concen: 44.372 ng

RT: 8.70 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

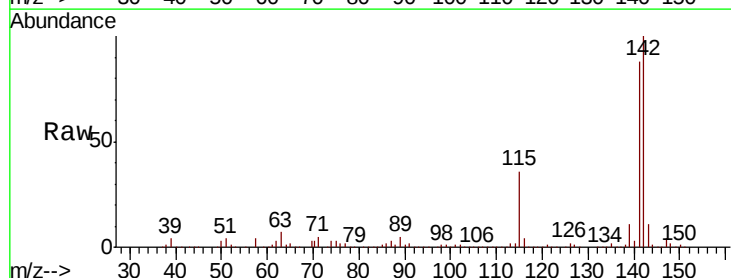
Tgt Ion:142 Resp: 479580

Ion Ratio Lower Upper

142 100

141 87.6 70.8 106.2

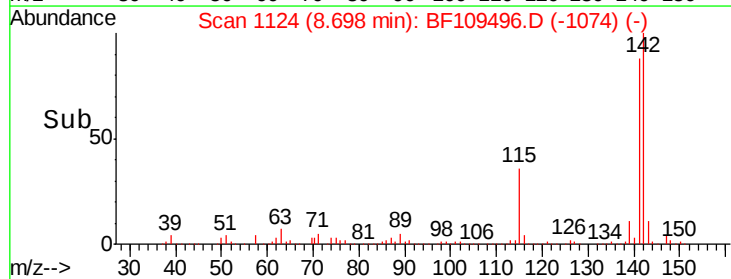
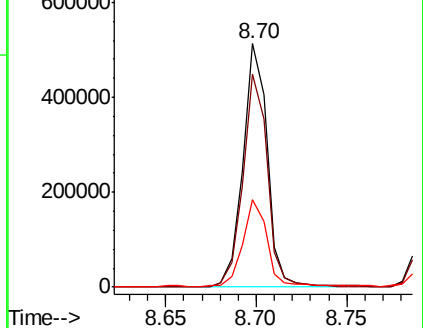
115 36.0 26.1 39.1

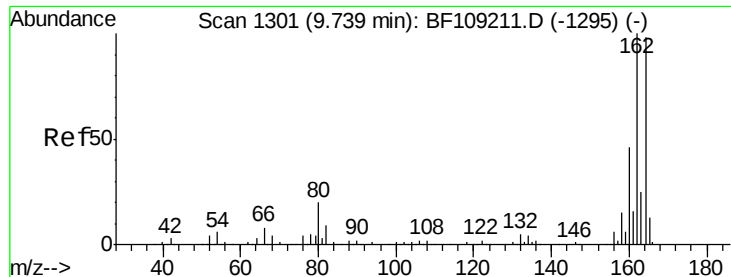


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW9-GWDL

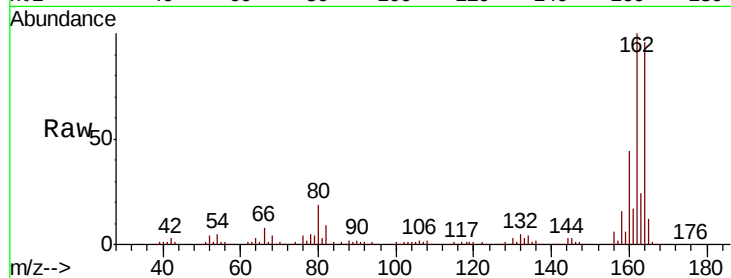
Tot Ion:164 Resp: 193401

Ion Ratio Lower Upper

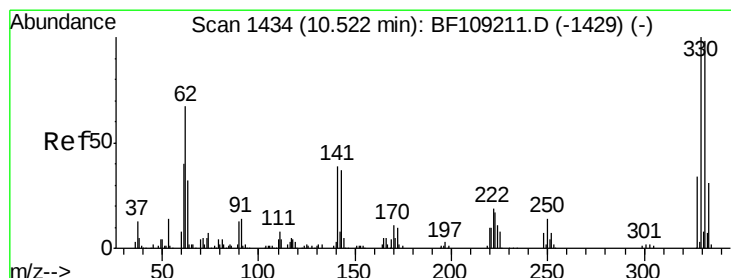
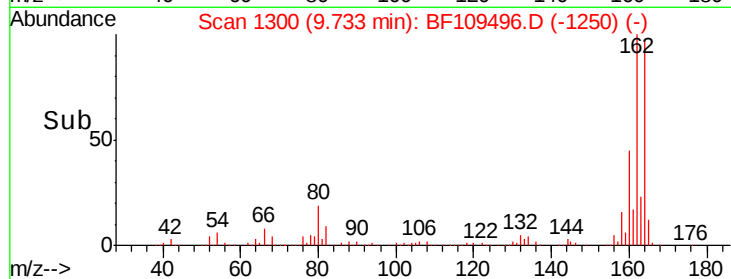
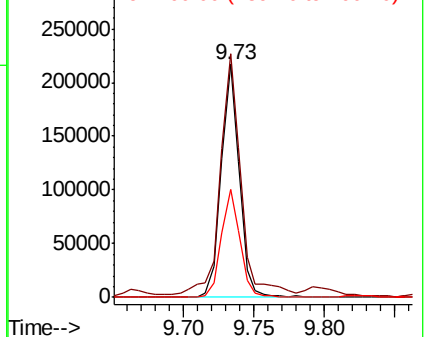
164 100

162 104.4 86.1 129.1

160 46.4 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 4.521 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

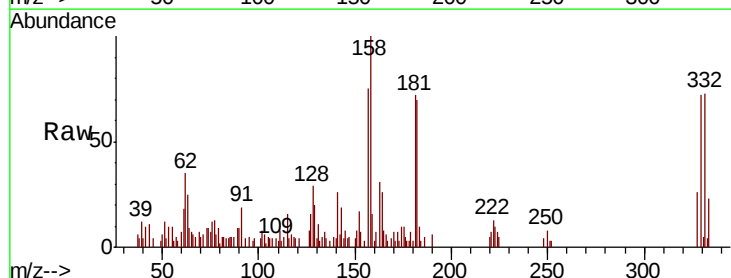
Tgt Ion:330 Resp: 8619

Ion Ratio Lower Upper

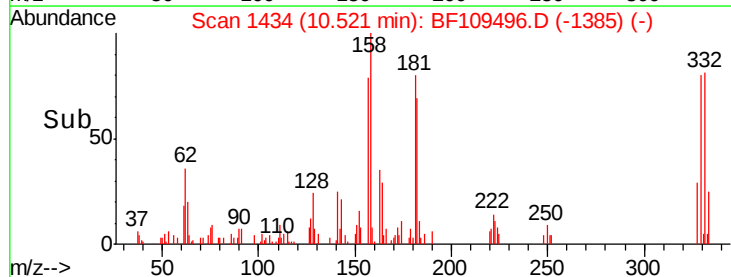
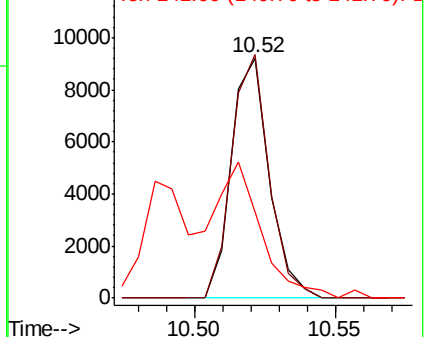
330 100

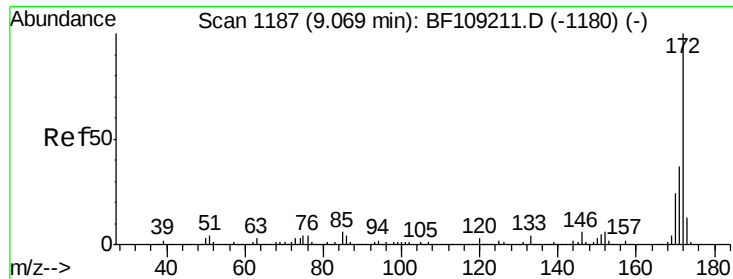
332 99.9 77.0 115.6

141 74.4 29.9 44.9#



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

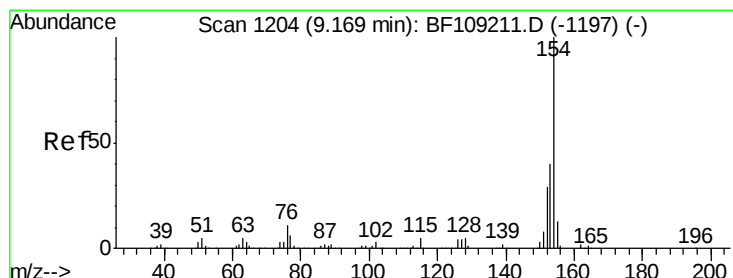
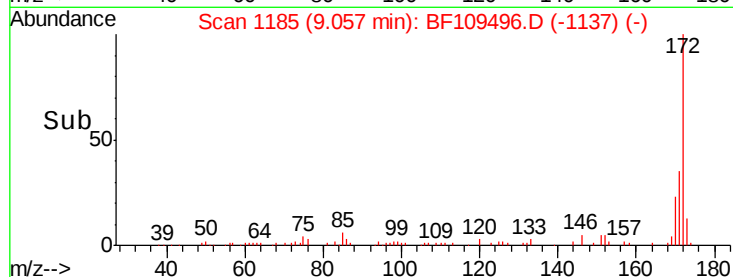
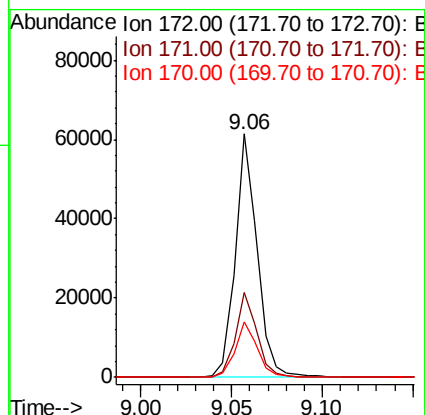
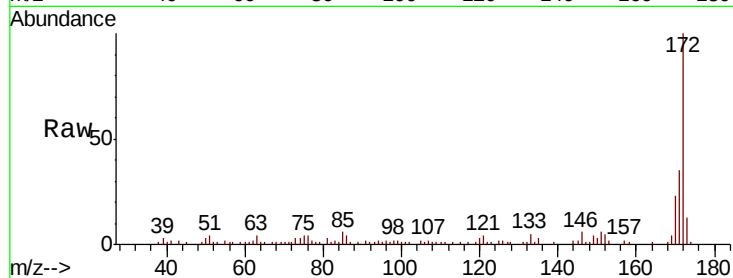




#44
2-Fluorobiphenyl
Concen: 4.036 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

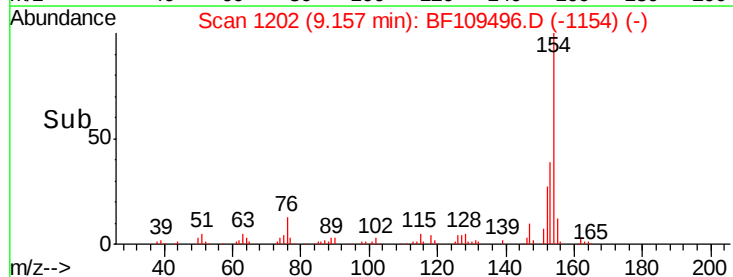
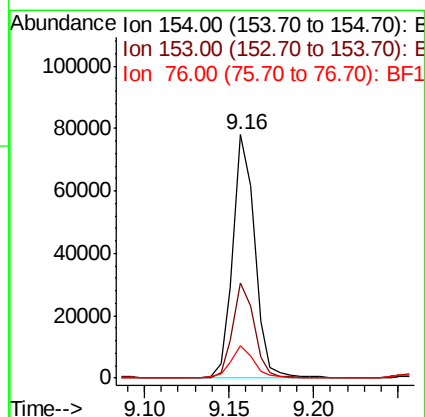
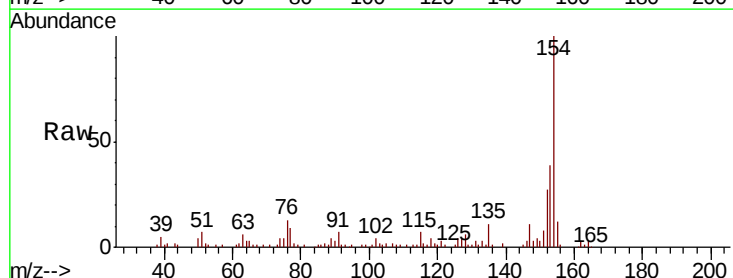
Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GWDL

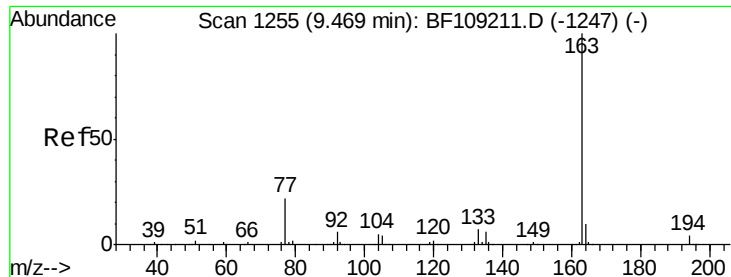
Tot Ion:172 Resp: 51761
Ion Ratio Lower Upper
172 100
171 34.7 29.7 44.5
170 23.0 19.6 29.4



#45
1,1'-Biphenyl
Concen: 4.468 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.02 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

Tgt Ion:154 Resp: 70399
Ion Ratio Lower Upper
154 100
153 39.1 21.3 61.3
76 13.2 0.0 34.0

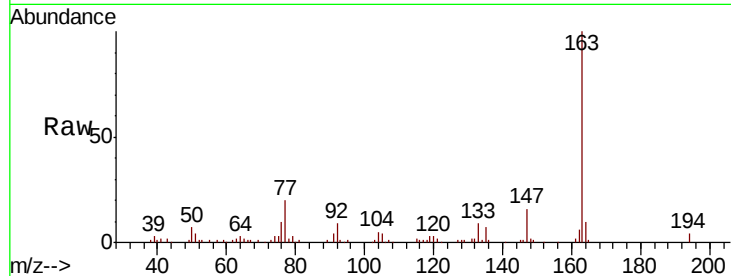




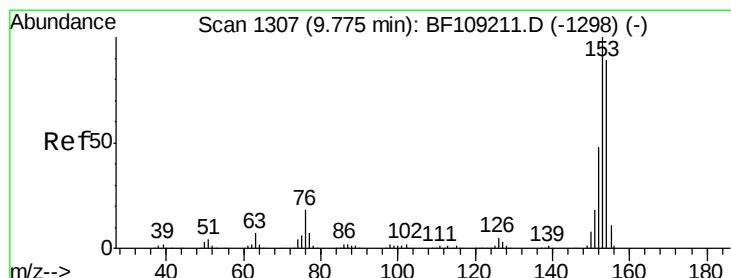
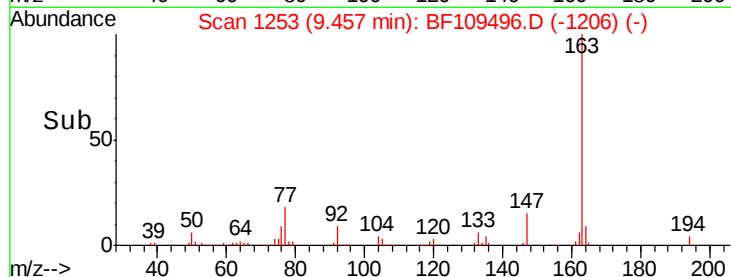
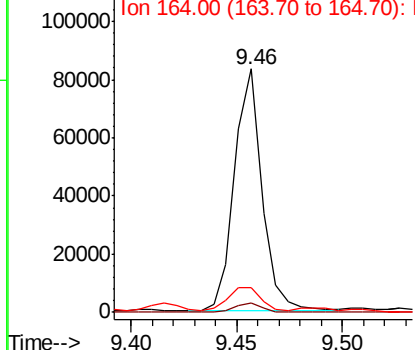
#49
Dimethylphthalate
Concen: 5.355 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GWDL

Tot Ion:163 Resp: 75327
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.2 8.2 12.2

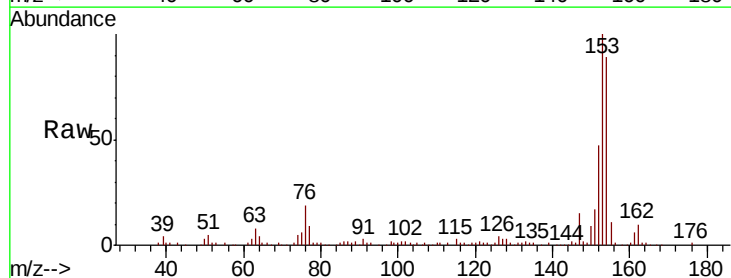


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

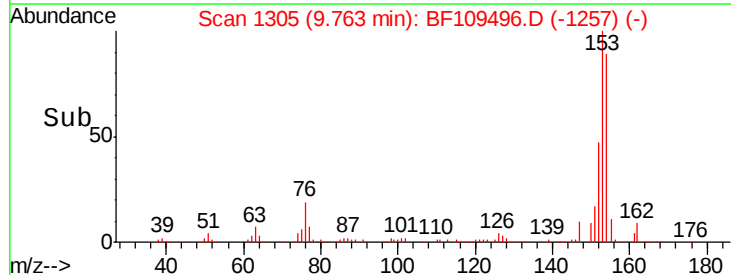
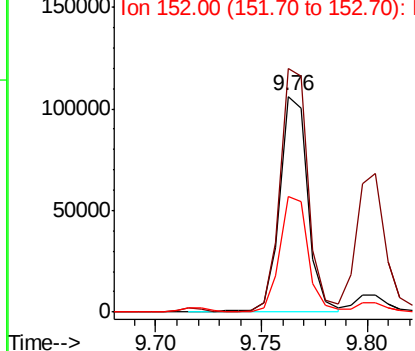


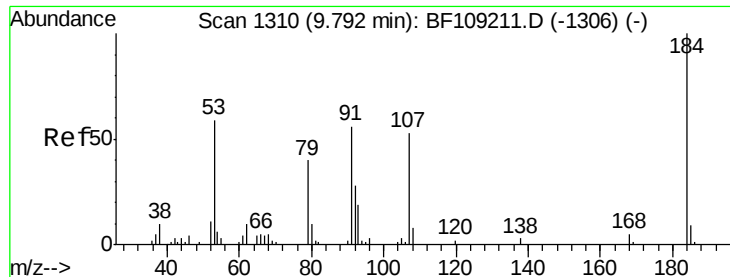
#51
Acenaphthene
Concen: 8.553 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.02 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

Tgt Ion:154 Resp: 98203
Ion Ratio Lower Upper
154 100
153 113.0 91.2 136.8
152 53.5 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

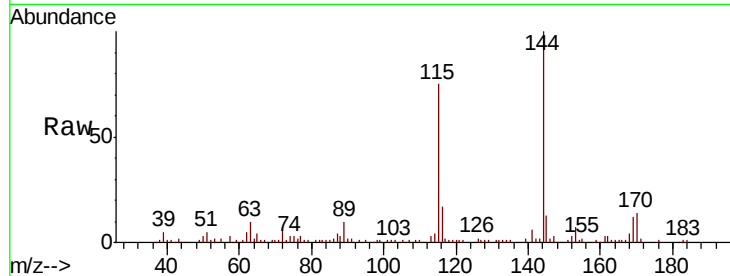




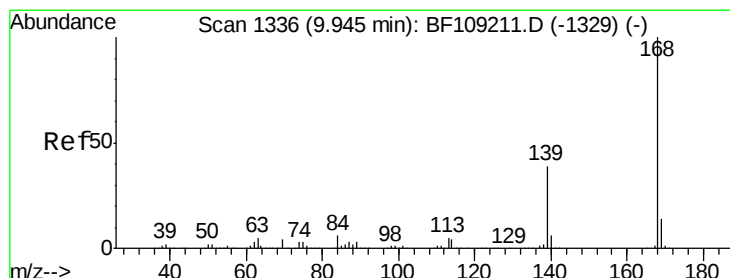
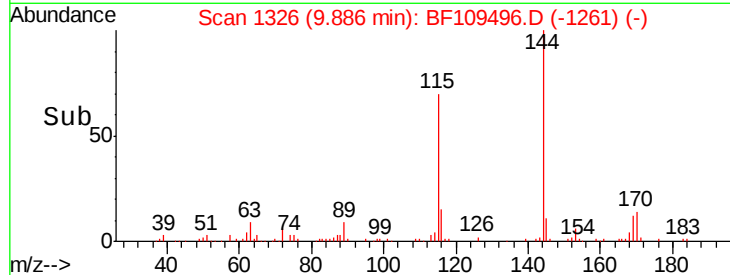
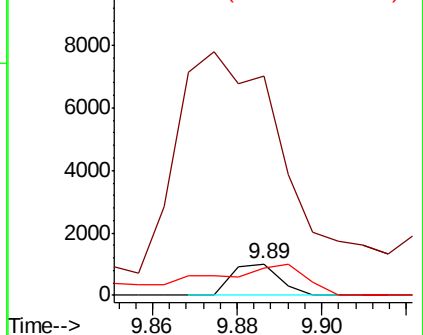
#53
 2,4-Dinitrophenol
 Concen: 9.214 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.08 min
 Lab File: BF109496.D
 Acq: 2 Oct 2018 13:01

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW9-GWDL

Tot Ion:184 Resp: 787
 Ion Ratio Lower Upper
 184 100
 63 701.8 54.2 81.2#
 154 86.5 184.0 276.0#

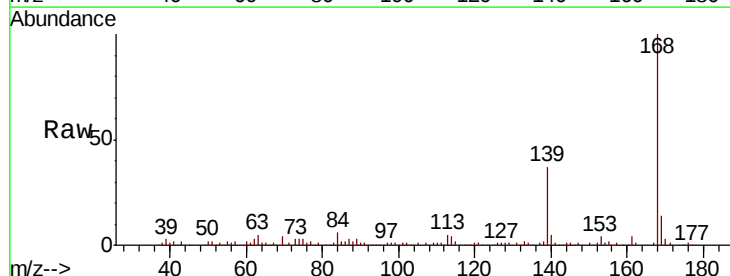


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

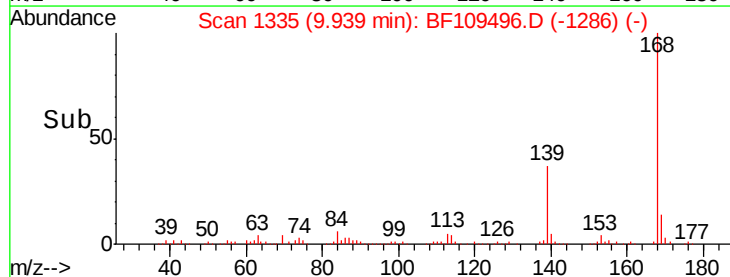
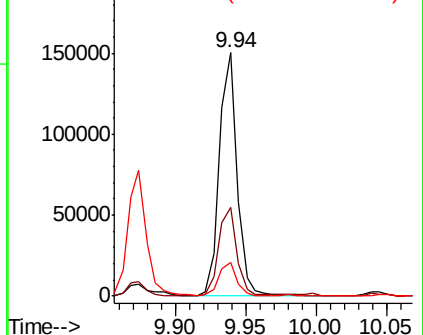


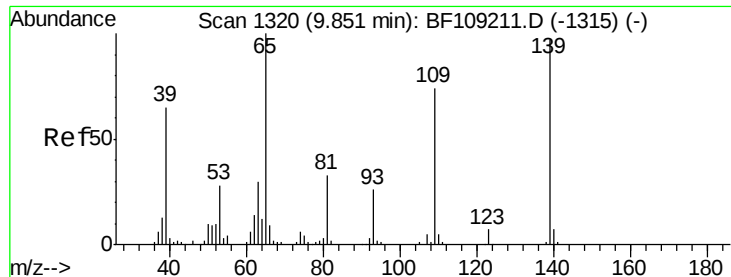
#54
 Dibenzofuran
 Concen: 7.760 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: BF109496.D
 Acq: 2 Oct 2018 13:01

Tgt Ion:168 Resp: 132497
 Ion Ratio Lower Upper
 168 100
 139 36.5 30.1 45.1
 169 13.9 10.9 16.3



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





#55

4-Nitrophenol

Concen: 3.750 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.01 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW9-GWDL

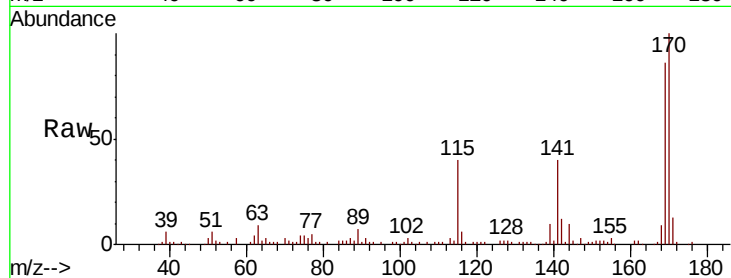
Tot Ion:139 Resp: 9114

Ion Ratio Lower Upper

139 100

109 7.3 48.4 88.4#

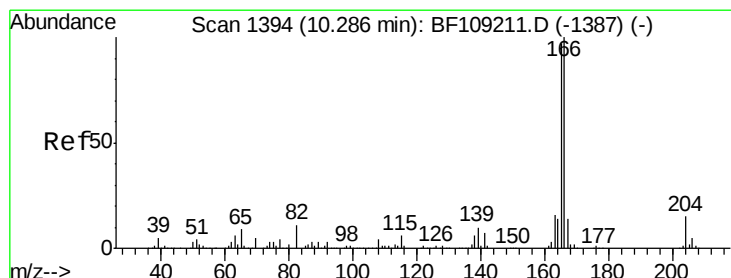
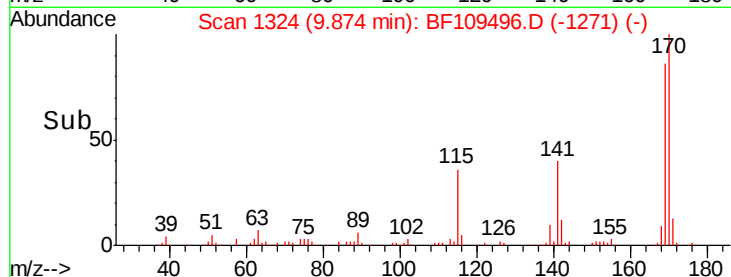
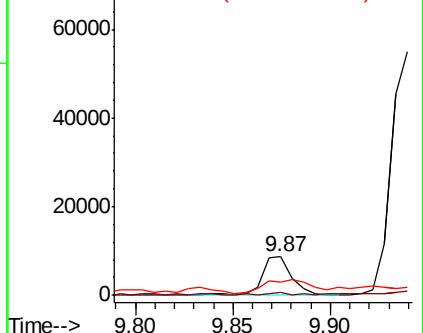
65 33.6 72.6 112.6#



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

Fluorene

Concen: 4.706 ng

RT: 10.28 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

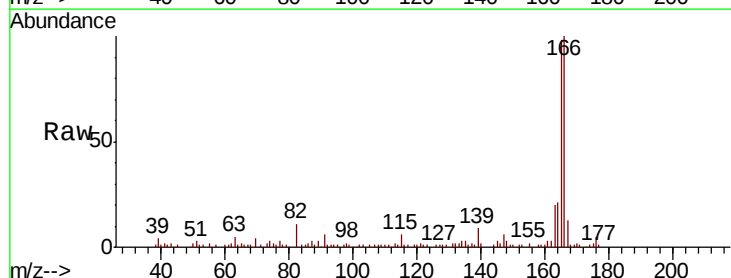
Tgt Ion:166 Resp: 57336

Ion Ratio Lower Upper

166 100

165 98.4 79.8 119.8

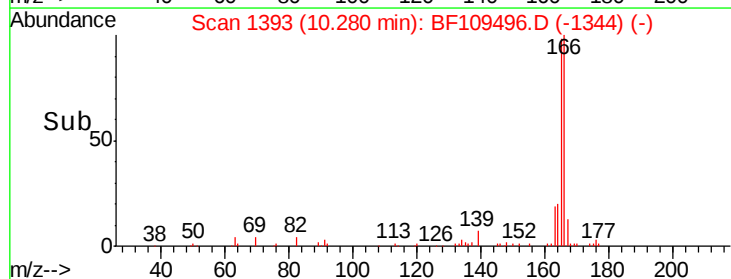
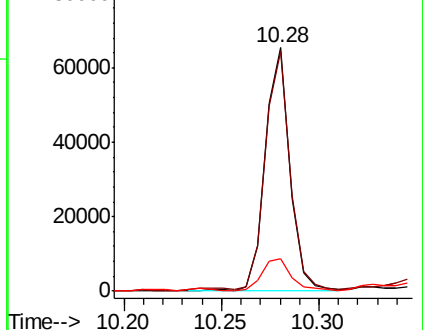
167 13.4 10.6 16.0

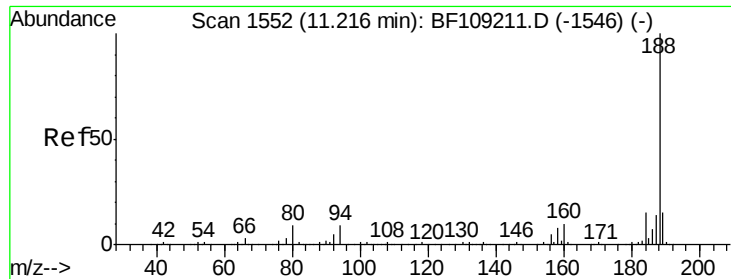


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

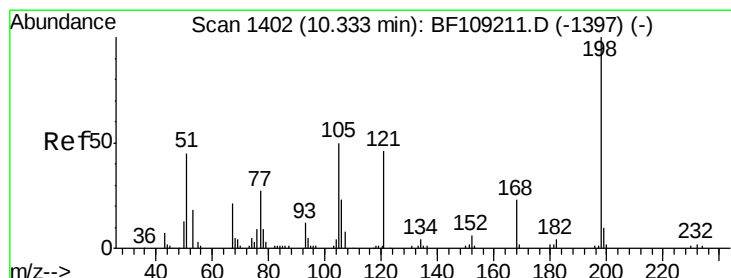
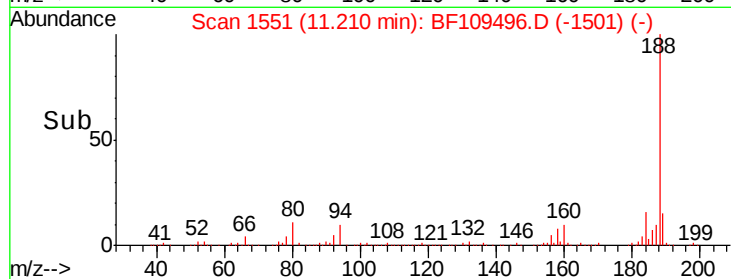
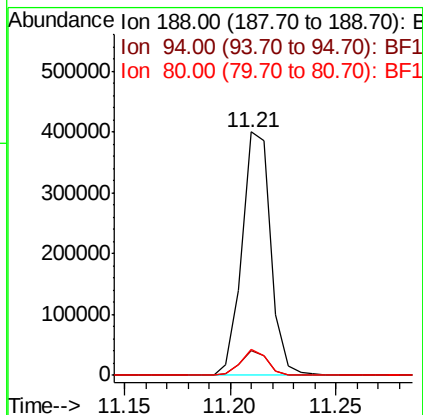
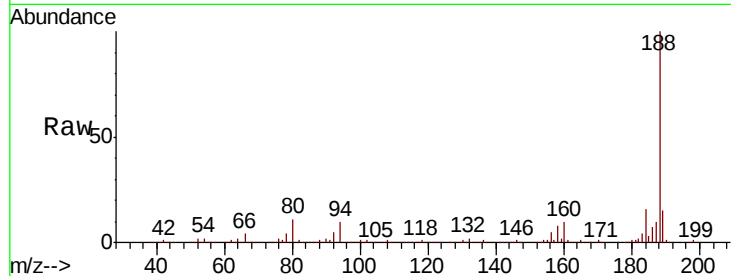




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

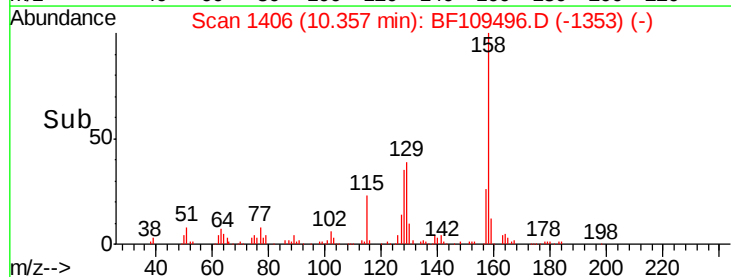
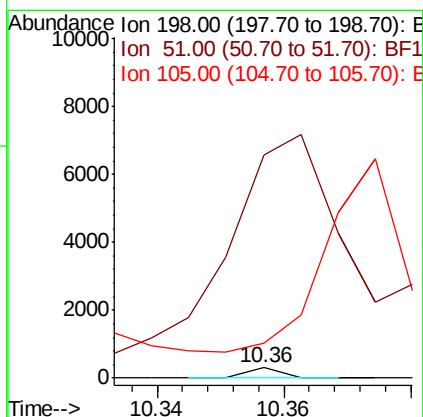
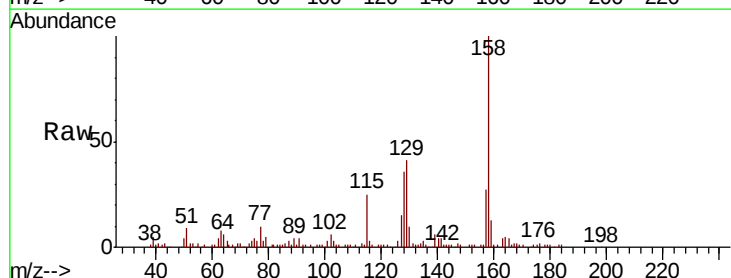
Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GWDL

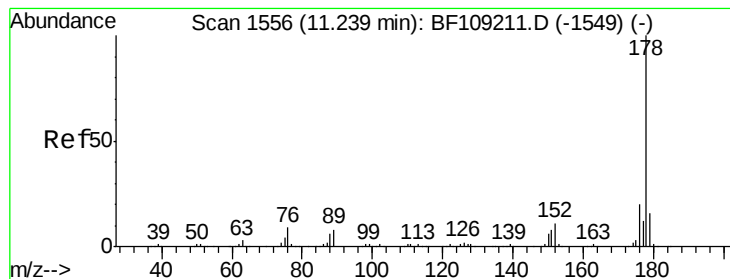
Tot Ion:188 Resp: 376864
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 10.8 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 6.583 ng
RT: 10.36 min Scan# 1406
Delta R.T. 0.01 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

Tgt Ion:198 Resp: 110
Ion Ratio Lower Upper
198 100
51 2111.5 37.7 77.7#
105 332.1 36.3 76.3#





#70

Phenanthrene

Concen: 6.212 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

Instrument :

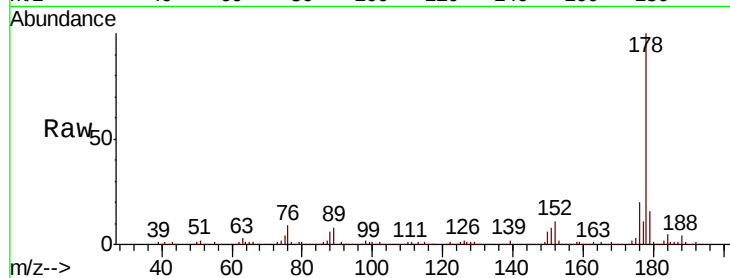
BNA_F

ClientSampleId :

QNWP8-MW9-GWDL

Tot Ion:178 Resp: 116885

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.5	13.0	19.6

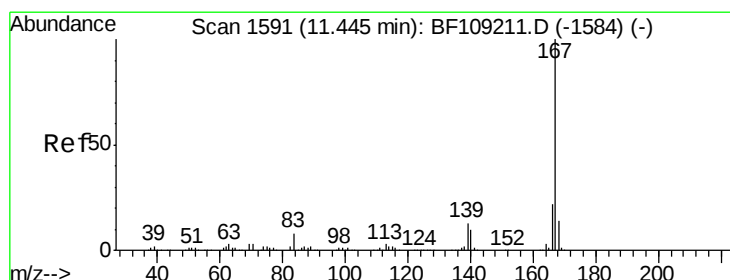
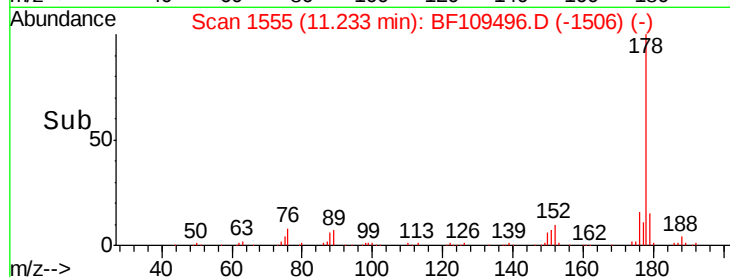
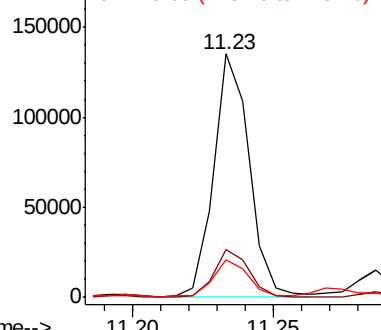


Abundance

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



#72

Carbazole

Concen: 3.569 ng

RT: 11.44 min Scan# 1591

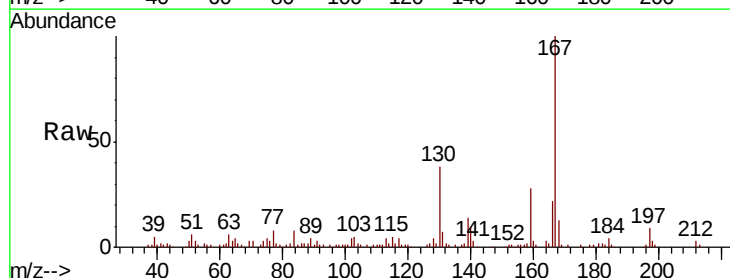
Delta R.T. -0.01 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

Tgt Ion:167 Resp: 67769

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.6	26.4
139	13.8	10.9	16.3

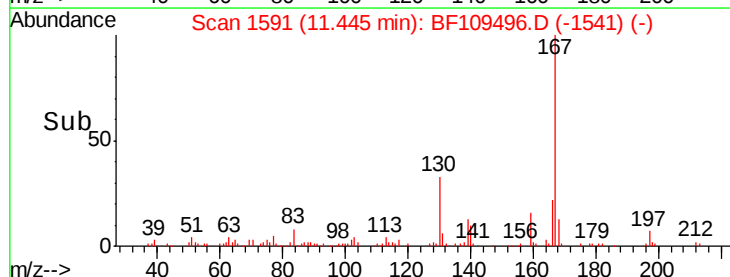
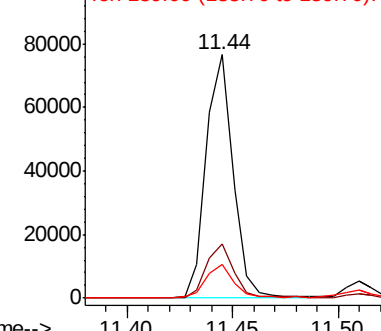


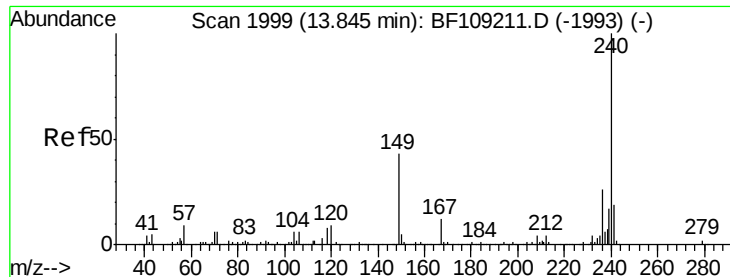
Abundance

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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW9-GWDL

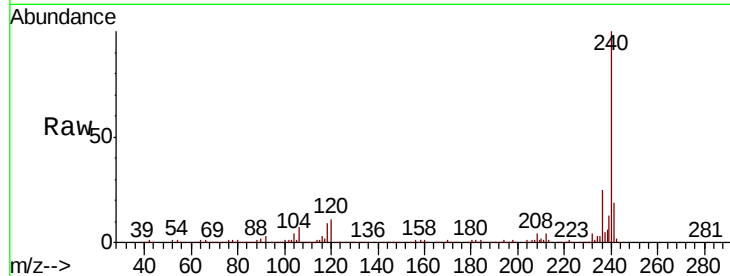
Tot Ion:240 Resp: 282961

Ion Ratio Lower Upper

240 100

120 10.6 9.5 14.3

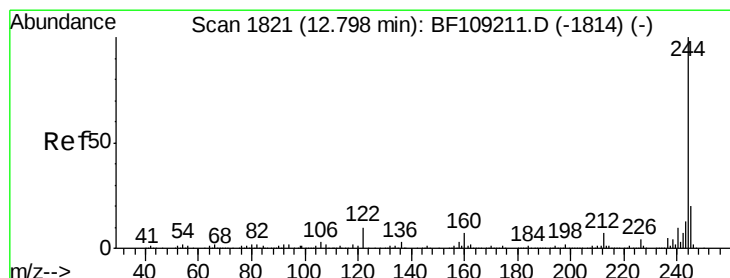
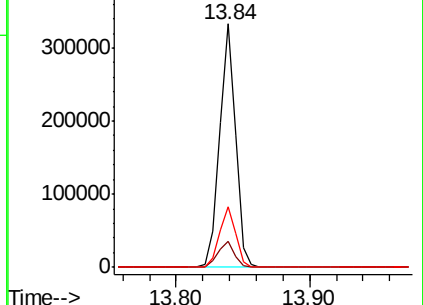
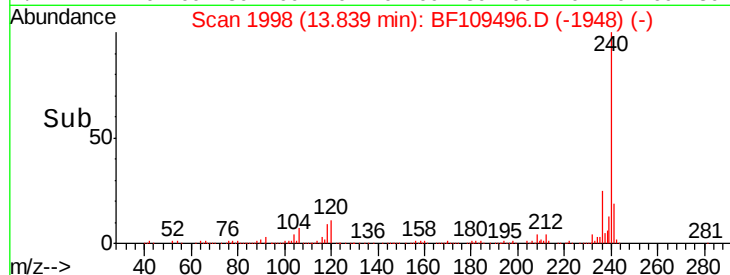
236 25.1 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 2.829 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.02 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

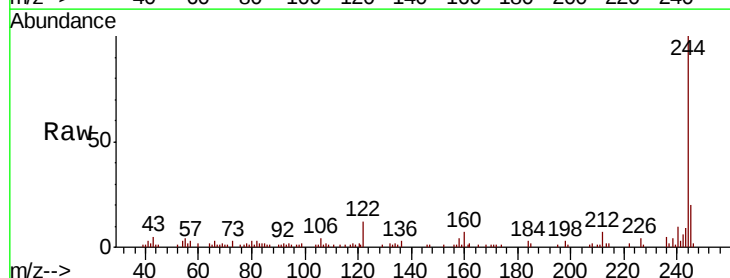
Tgt Ion:244 Resp: 32618

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

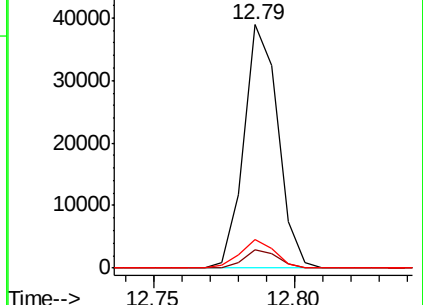
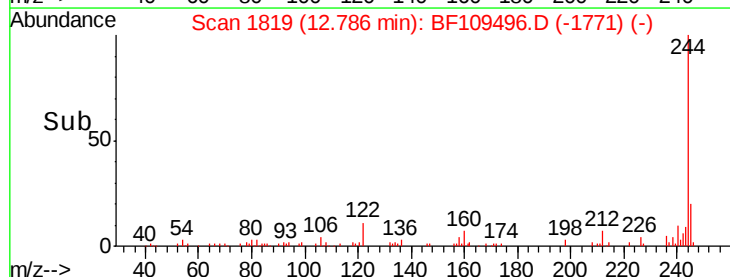
122 12.0 11.0 16.4

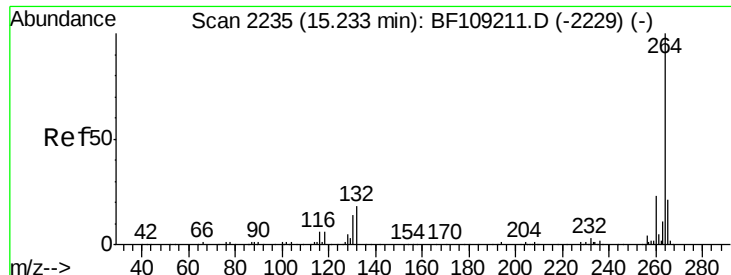


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GWDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.4	17.5	26.3

