

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111750.D
 Acq On : 27 Dec 2018 8:33
 Operator : JU/SJ
 Sample : J6492-01DL 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26S-GWDL

Quant Time: Dec 27 12:28:08 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 27 11:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	110693	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	373366	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	189539	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	379499	20.00	ng	0.00
76) Chrysene-d12	14.06	240	278568	20.00	ng	0.00
87) Perylene-d12	15.55	264	221358	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	56629	8.72	ng	0.00
7) Phenol-d6	6.54	99	44388	5.37	ng	0.00
23) Nitrobenzene-d5	7.46	82	96949	15.11	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	43102	19.25	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	190578	14.66	ng	0.00
79) Terphenyl-d14	13.00	244	179131	12.19	ng	0.00

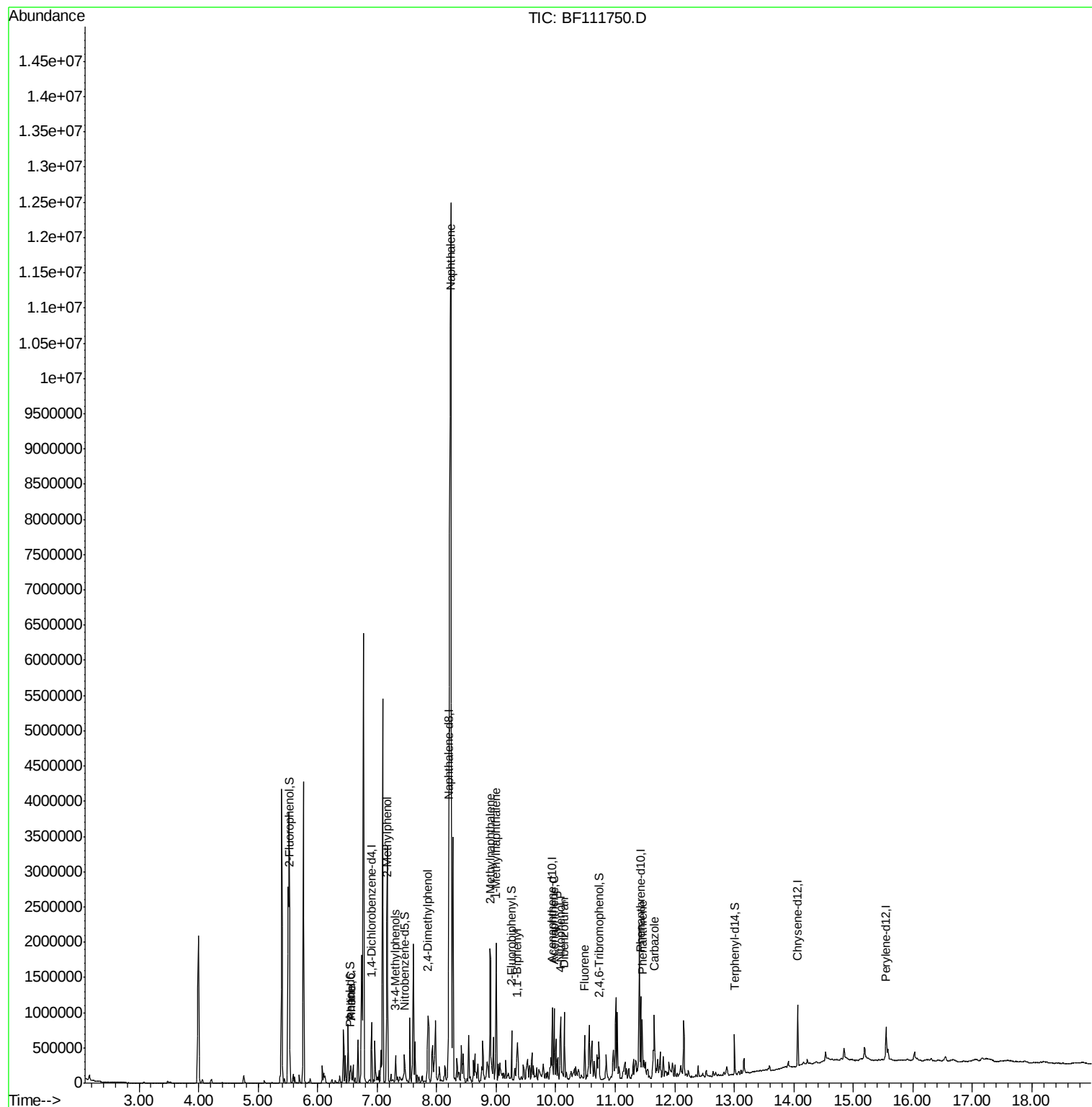
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.56	93	34728	3.296	ng	# 55
10) Phenol	6.56	94	47764	5.122	ng	# 70
17) 2-Methylphenol	7.16	107	39269	6.817	ng	# 94
20) 3+4-Methylphenols	7.31	107	74747	10.270	ng	# 65
27) 2,4-Dimethylphenol	7.85	122	239341	44.530	ng	# 93
31) Naphthalene	8.24	128	9915619	552.720	ng	# 92
37) 2-Methylnaphthalene	8.90	142	458277	39.264	ng	# 97
38) 1-Methylnaphthalene	9.00	142	470521	41.975	ng	# 99
46) 1,1'-Biphenyl	9.36	154	130895	8.181	ng	# 94
52) Acenaphthene	9.97	154	187835	16.455	ng	# 98
55) Dibenzofuran	10.15	168	255519	14.816	ng	# 92
56) 4-Nitrophenol	10.07	139	7232	3.215	ng	# 58
58) Fluorene	10.49	166	147218	11.846	ng	# 99
71) Phenanthrene	11.45	178	237453	11.798	ng	# 93
73) Carbazole	11.66	167	208007	10.606	ng	# 95

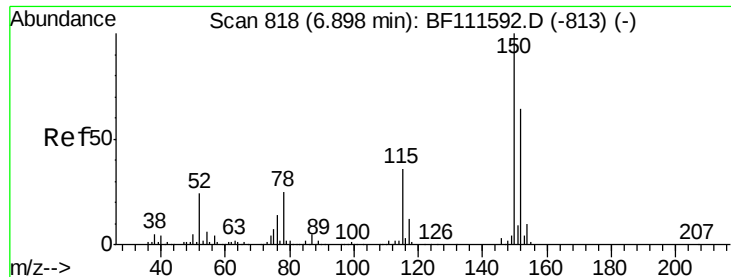
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.90 min Scan# 819

Delta R.T. 0.00 min

Lab File: BF111750.D

Acq: 27 Dec 2018 8:33

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL

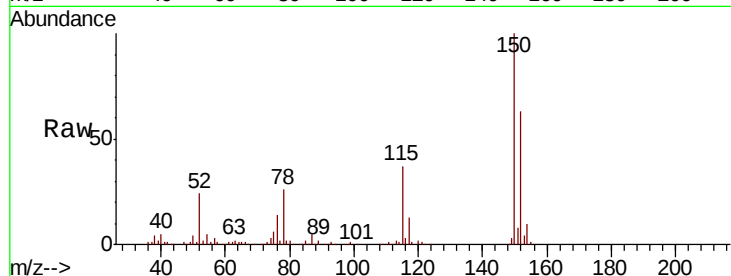
Tot Ion:152 Resp: 110693

Ion Ratio Lower Upper

152 100

150 158.0 126.6 189.8

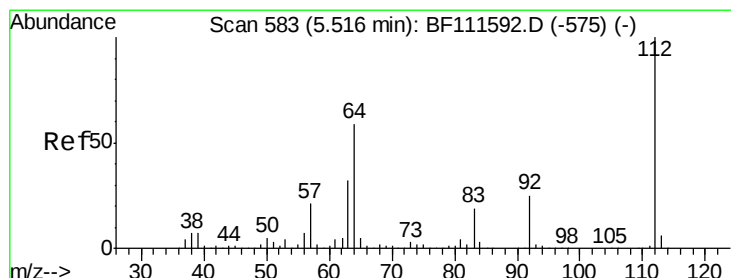
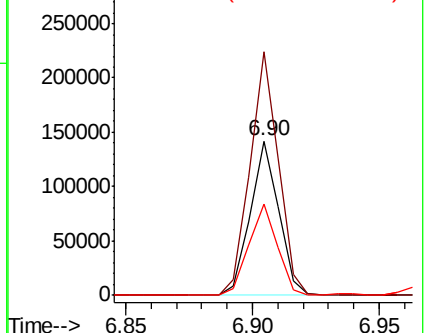
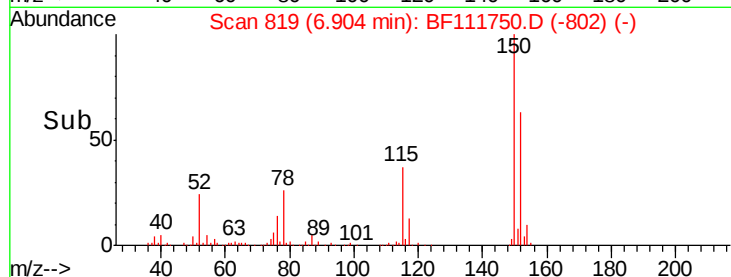
115 58.9 50.7 76.1



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: 8.720 ng

RT: 5.53 min Scan# 586

Delta R.T. 0.00 min

Lab File: BF111750.D

Acq: 27 Dec 2018 8:33

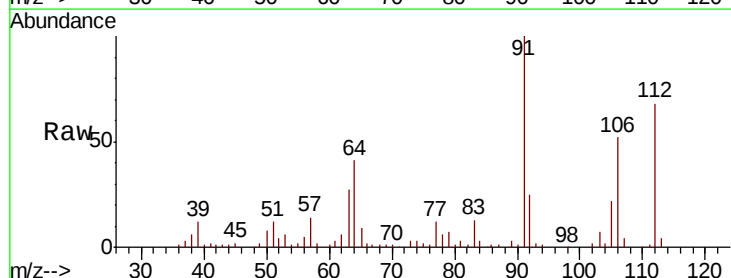
Tgt Ion:112 Resp: 56629

Ion Ratio Lower Upper

112 100

64 59.8 51.8 77.6

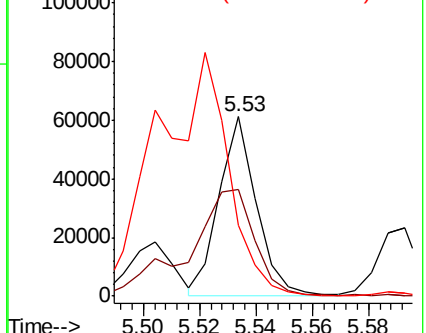
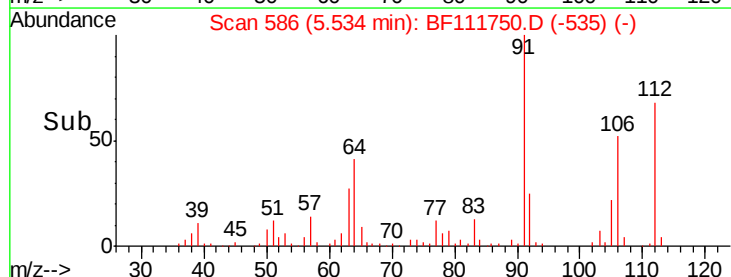
63 39.3 26.8 40.2

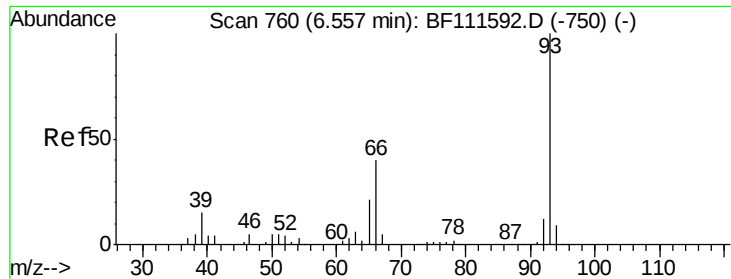


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#6

Aniline

Concen: 3.296 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF111750.D

Acq: 27 Dec 2018 8:33

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL

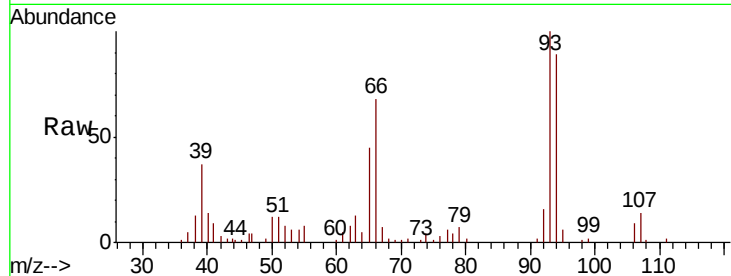
Tot Ion: 93 Resp: 34728

Ion Ratio Lower Upper

93 100

66 68.1 33.2 49.8#

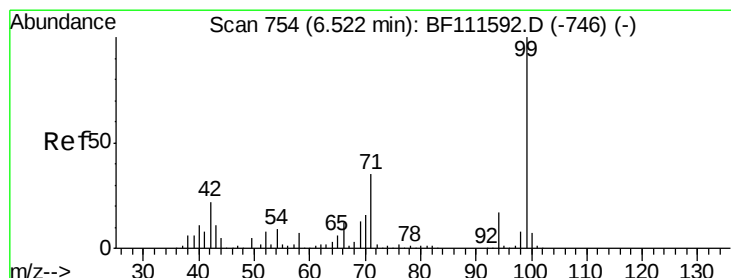
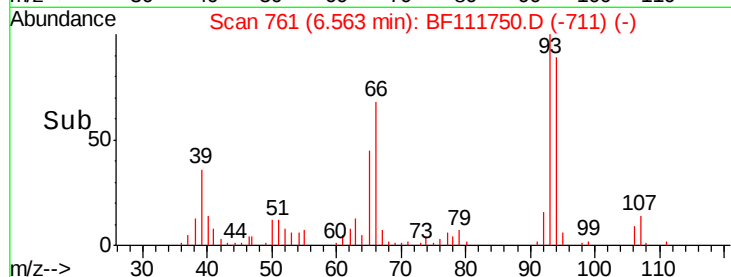
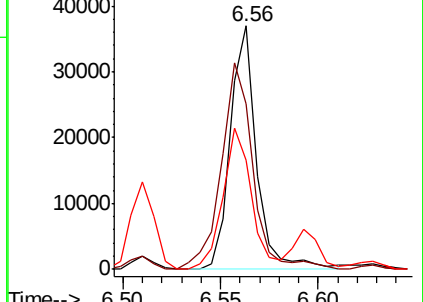
65 44.9 17.0 25.4#



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: 5.371 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF111750.D

Acq: 27 Dec 2018 8:33

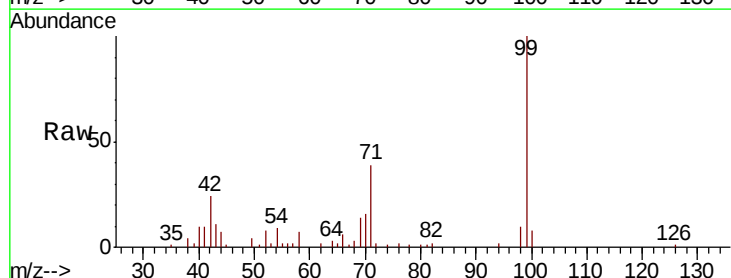
Tgt Ion: 99 Resp: 44388

Ion Ratio Lower Upper

99 100

42 23.6 17.4 26.0

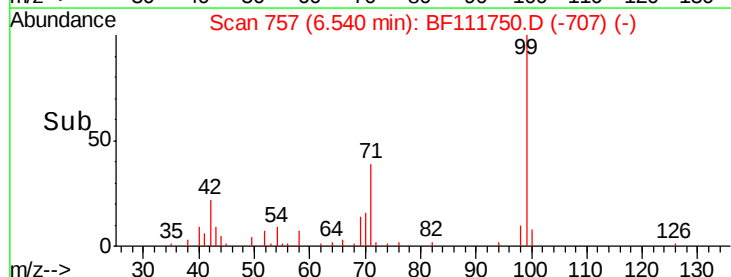
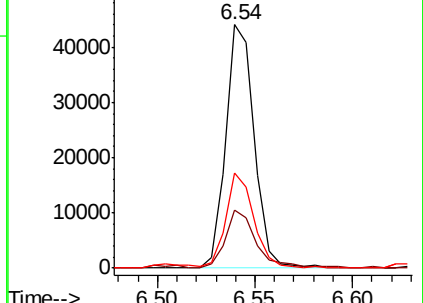
71 39.1 26.1 39.1#

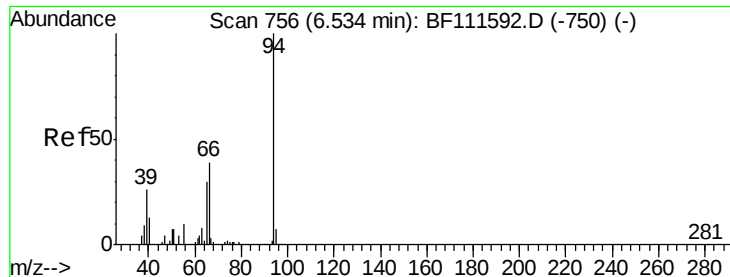


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 5.122 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.00 min

Lab File: BF111750.D

Acq: 27 Dec 2018 8:33

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL

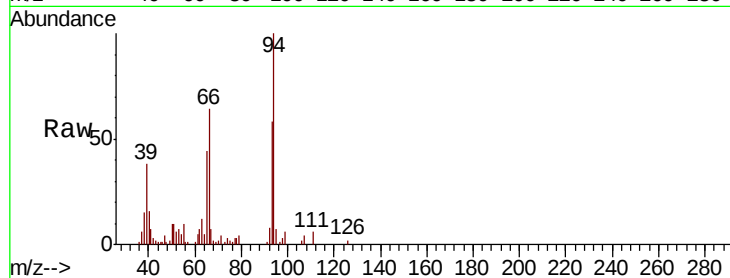
Tot Ion: 94 Resp: 47764

Ion Ratio Lower Upper

94 100

65 43.6 11.7 51.7

66 63.9 21.0 61.0#

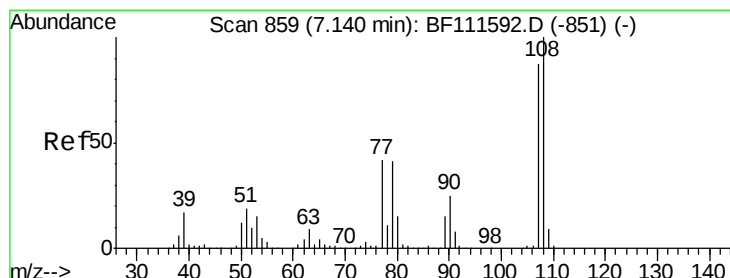
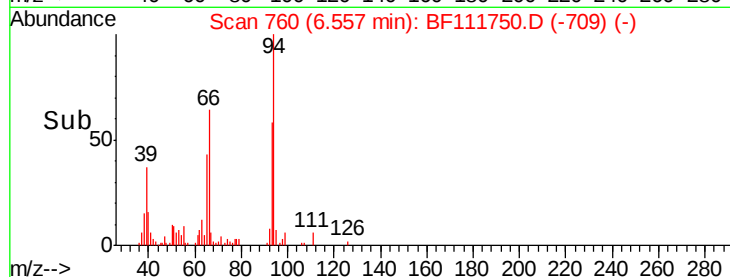
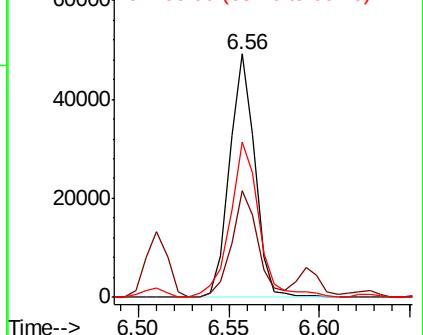


Abundance

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



#17

2-Methylphenol

Concen: 6.817 ng

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: BF111750.D

Acq: 27 Dec 2018 8:33

Tgt Ion: 107 Resp: 39269

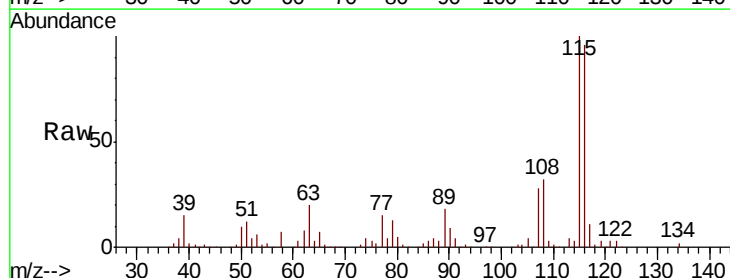
Ion Ratio Lower Upper

107 100

108 113.5 91.0 136.4

77 52.0 33.5 50.3#

79 48.2 33.3 49.9



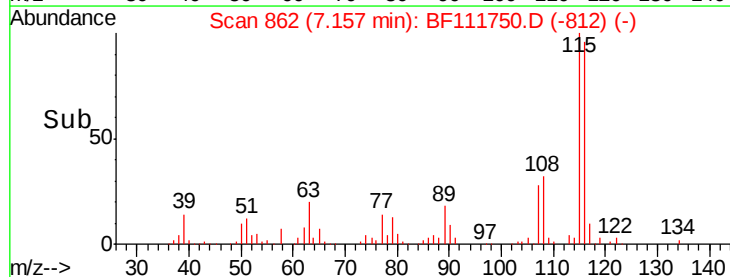
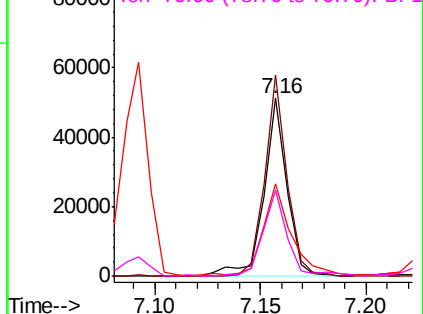
Abundance

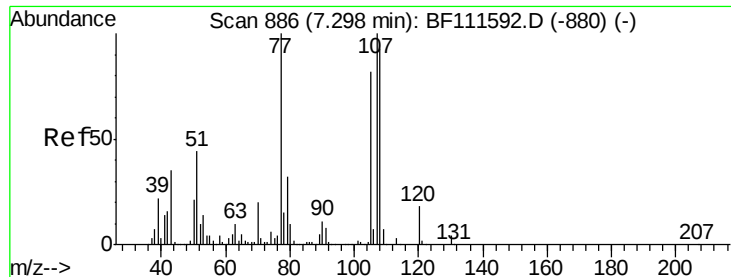
Ion 107.00 (106.70 to 107.70): E

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: 10.270 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF111750.D

Acq: 27 Dec 2018 8:33

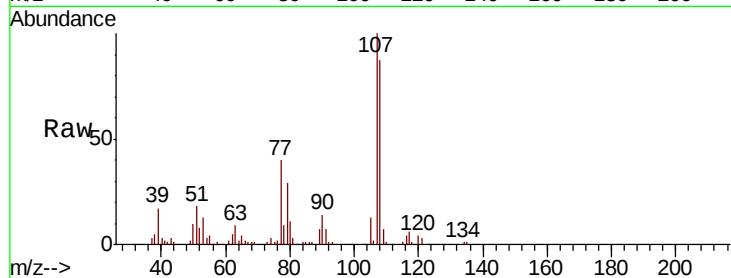
Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL

Tot Ion:	107	Resp:	74747
Ion	Ratio	Lower	Upper
107	100		
108	86.7	72.1	112.1
77	40.2	94.1	134.1#
79	29.2	9.8	49.8



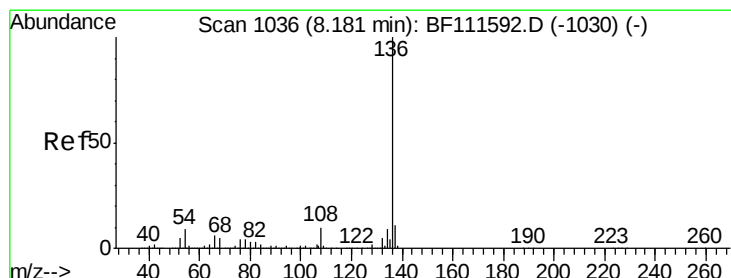
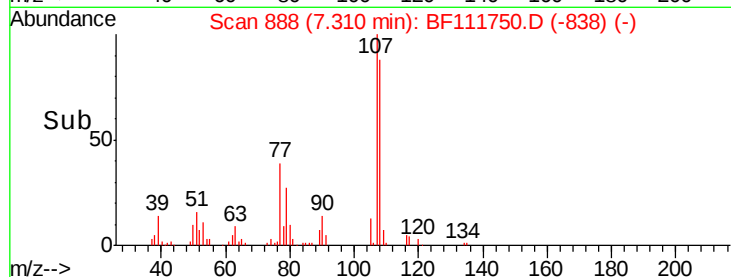
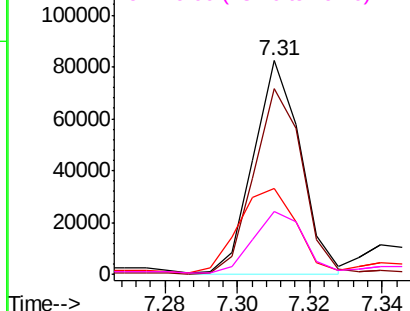
Abundance

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



#21

Naphthalene-d8

Concen: 20.000 ng

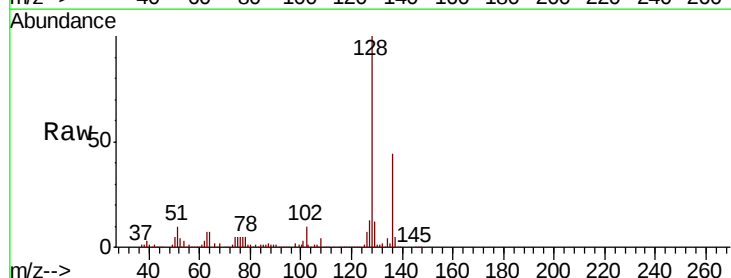
RT: 8.20 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BF111750.D

Acq: 27 Dec 2018 8:33

Tgt Ion:	136	Resp:	373366
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	7.8	7.7	11.5
68	5.2	4.9	7.3



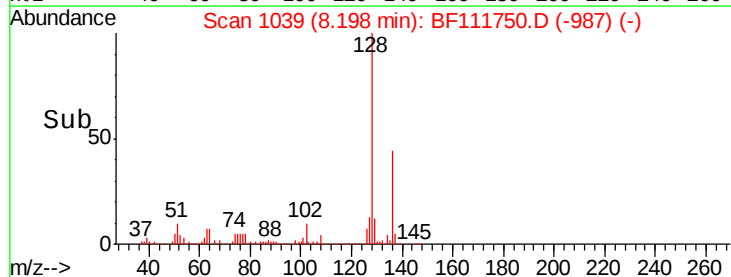
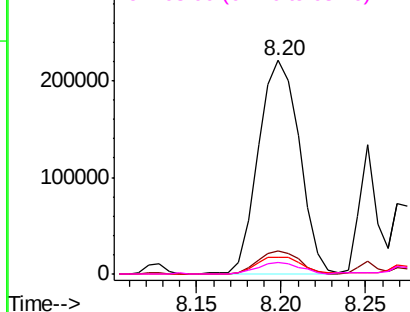
Abundance

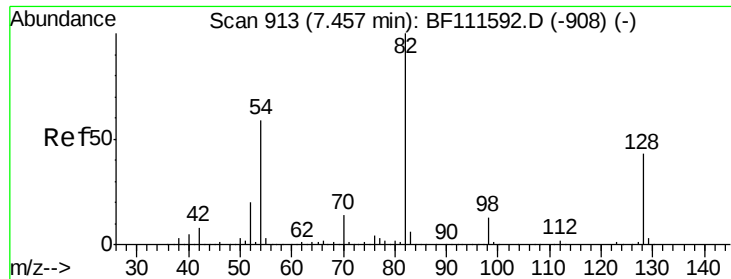
Ion 136.00 (135.70 to 136.70): E

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

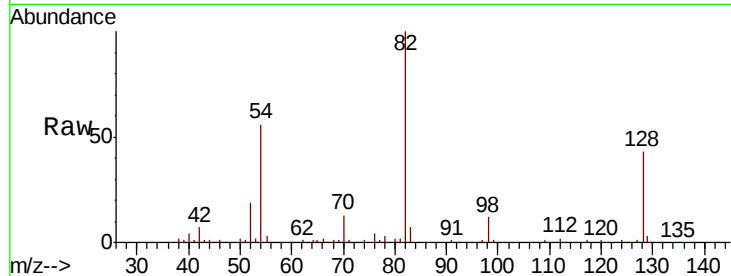




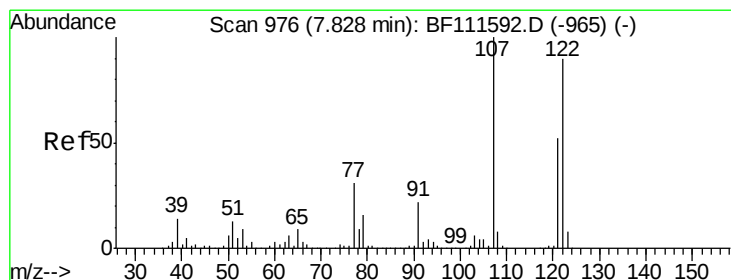
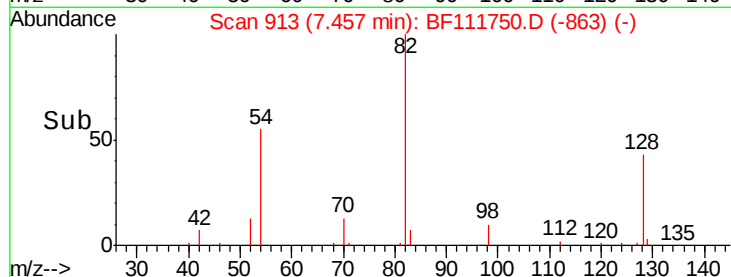
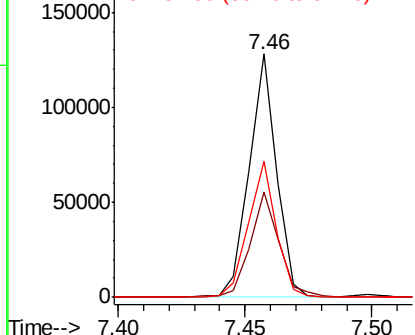
#23
Nitrobenzene-d5
Concen: 15.114 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF111750.D
Acq: 27 Dec 2018 8:33

Instrument :
BNA_F
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QNWP8-MW26S-GWDL

Tot Ion	82	Resp	96949
Ion Ratio	Lower	Upper	
82	100		
128	43.1	37.4	56.2
54	55.7	47.6	71.4

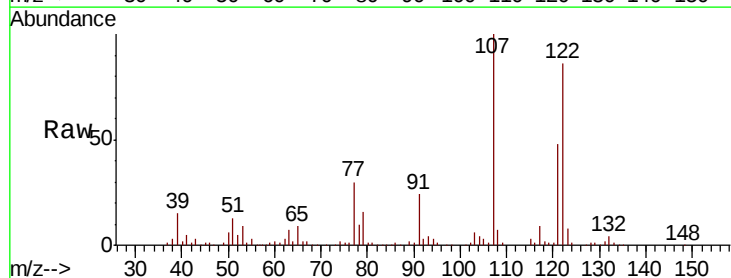


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

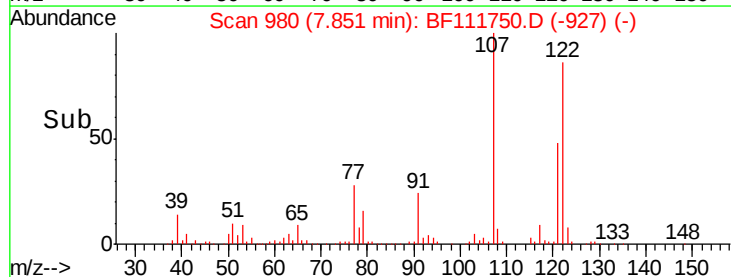
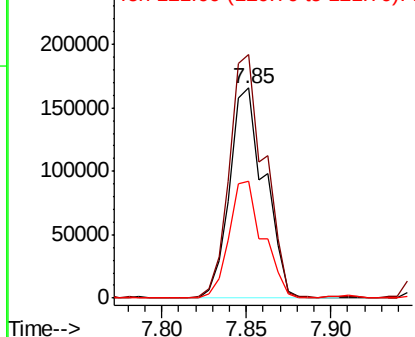


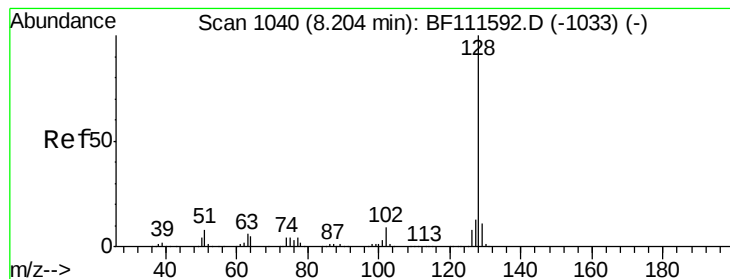
#27
2,4-Dimethylphenol
Concen: 44.530 ng
RT: 7.85 min Scan# 980
Delta R.T. 0.01 min
Lab File: BF111750.D
Acq: 27 Dec 2018 8:33

Tgt Ion	122	Resp	239341
Ion Ratio	Lower	Upper	
122	100		
107	116.1	85.5	128.3
121	55.8	46.6	70.0



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: 552.720 ng

RT: 8.24 min Scan# 1046

Delta R.T. 0.03 min

Lab File: BF111750.D

Acq: 27 Dec 2018 8:33

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL

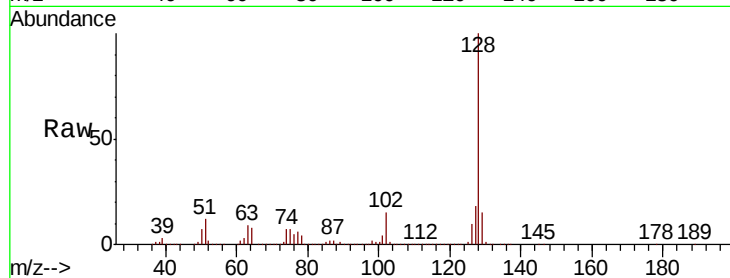
Tot Ion:128 Resp: 9915619

Ion Ratio Lower Upper

128 100

129 15.0 9.8 14.8#

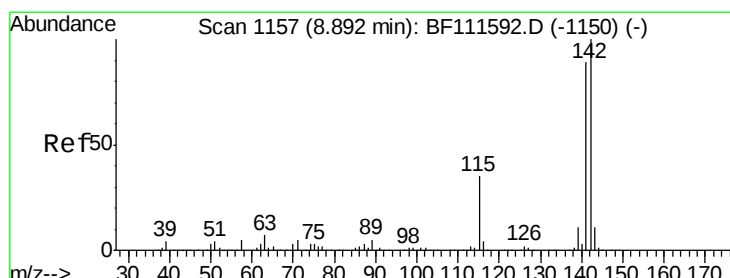
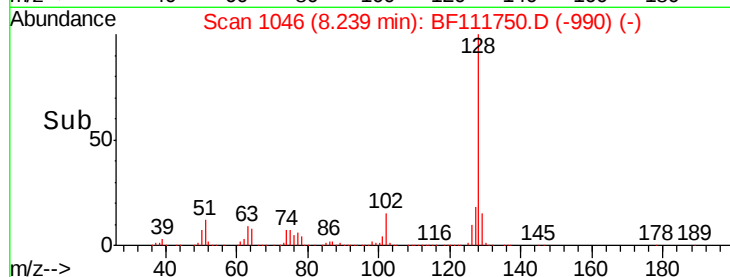
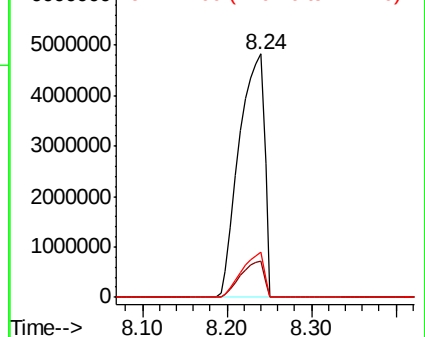
127 18.4 12.0 18.0#



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



#37

2-Methylnaphthalene

Concen: 39.264 ng

RT: 8.90 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BF111750.D

Acq: 27 Dec 2018 8:33

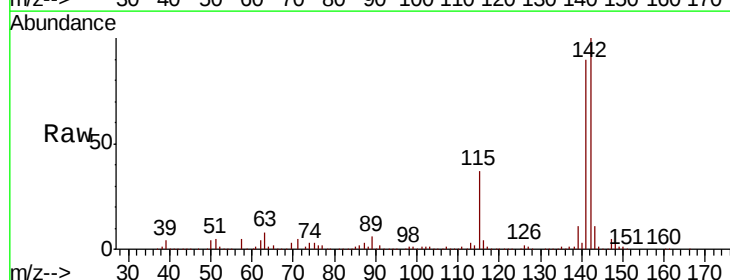
Tgt Ion:142 Resp: 458277

Ion Ratio Lower Upper

142 100

141 90.1 70.6 105.8

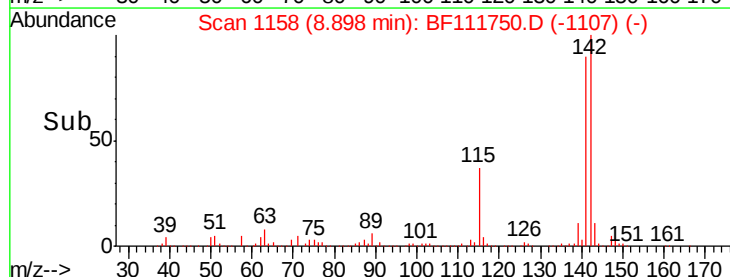
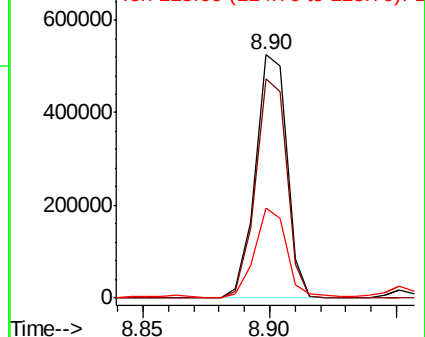
115 37.2 27.0 40.6

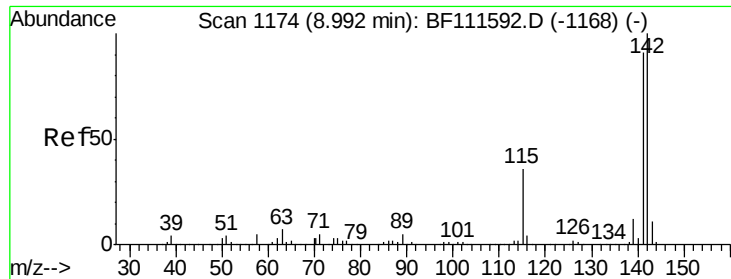


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

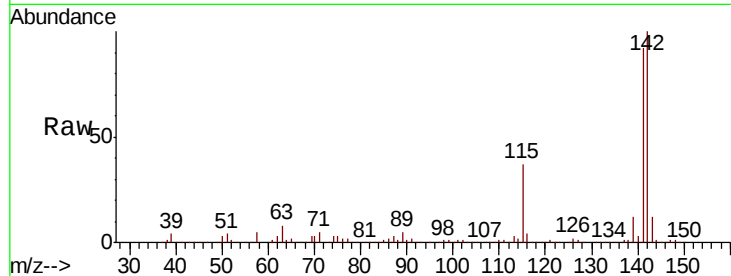




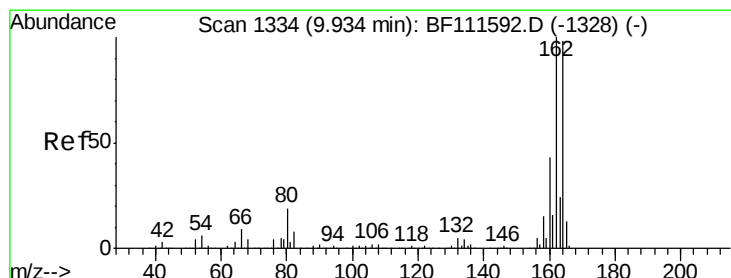
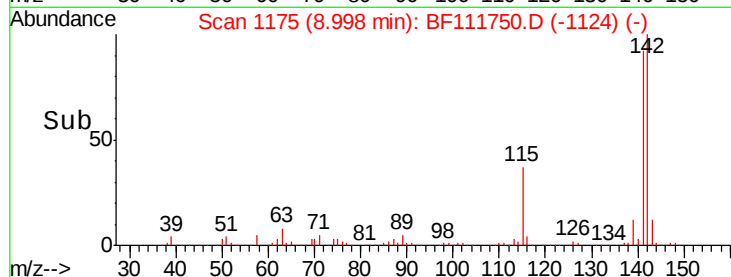
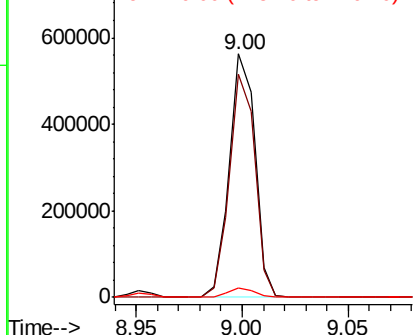
#38
1-Methylnaphthalene
Concen: 41.975 ng
RT: 9.00 min Scan# 1175
Delta R.T. 0.00 min
Lab File: BF111750.D
Acq: 27 Dec 2018 8:33

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GWDL

Tot Ion:142 Resp: 470521
Ion Ratio Lower Upper
142 100
141 91.5 74.2 111.4
116 3.8 2.9 4.3

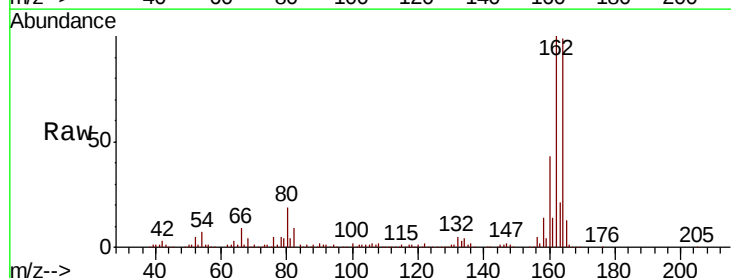


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

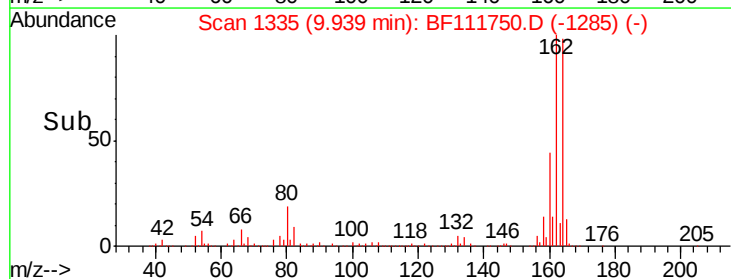
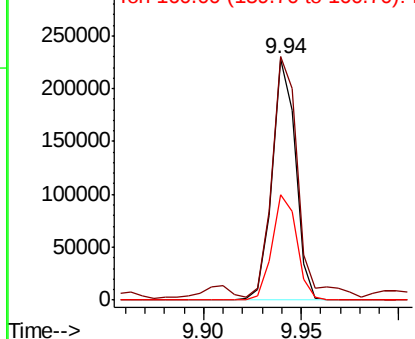


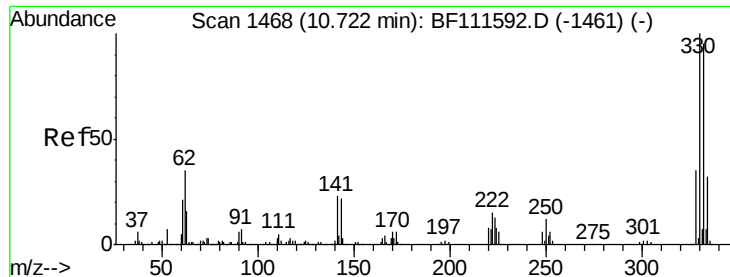
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF111750.D
Acq: 27 Dec 2018 8:33

Tgt Ion:164 Resp: 189539
Ion Ratio Lower Upper
164 100
162 101.0 81.4 122.0
160 43.7 35.7 53.5



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





#42

2,4,6-Tribromophenol

Concen: 19.246 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.01 min

Lab File: BF111750.D

Acq: 27 Dec 2018 8:33

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL

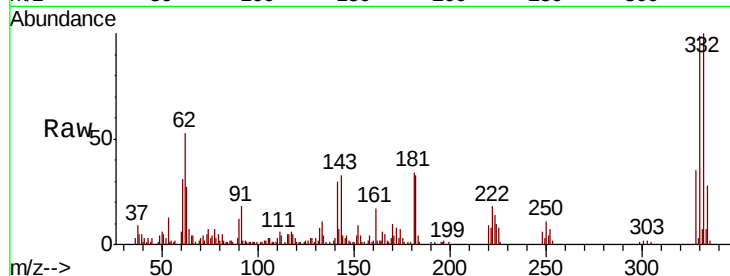
Tot Ion:330 Resp: 43102

Ion Ratio Lower Upper

330 100

332 100.4 76.0 114.0

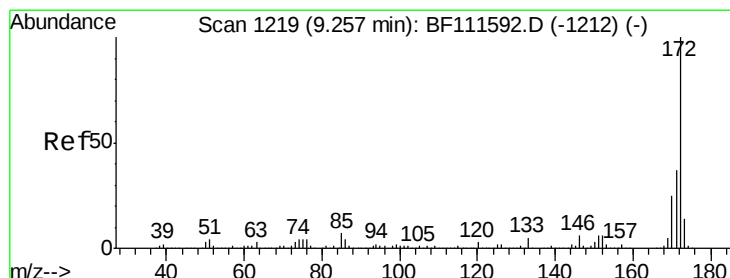
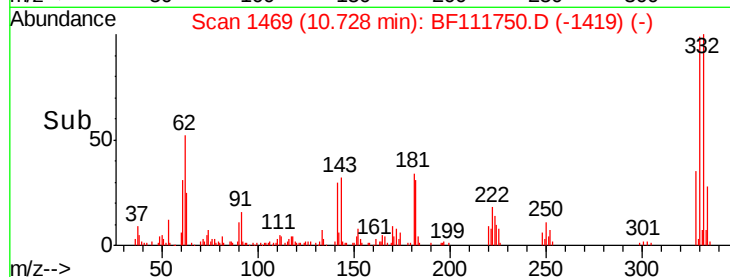
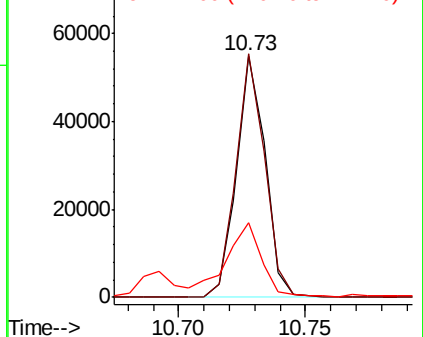
141 39.1 31.0 46.6



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: 14.656 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BF111750.D

Acq: 27 Dec 2018 8:33

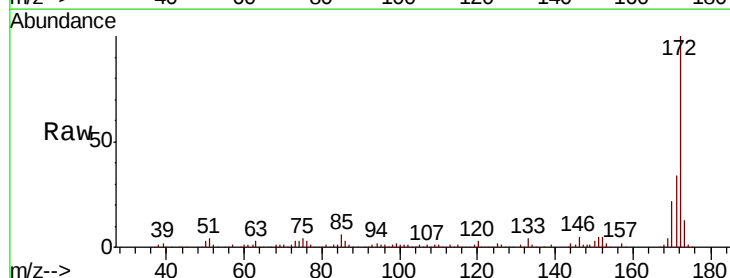
Tgt Ion:172 Resp: 190578

Ion Ratio Lower Upper

172 100

171 33.7 33.0 49.4

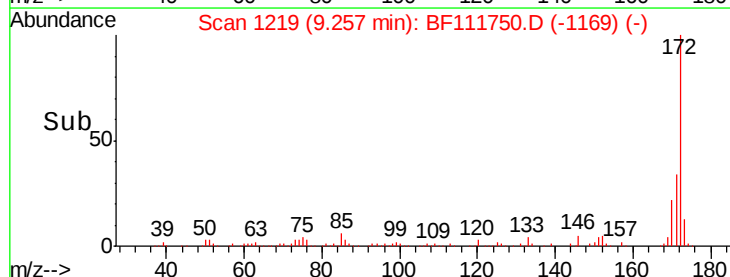
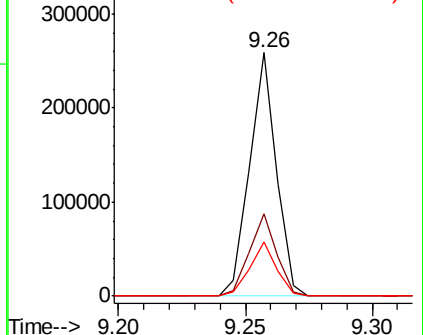
170 22.2 22.3 33.5#

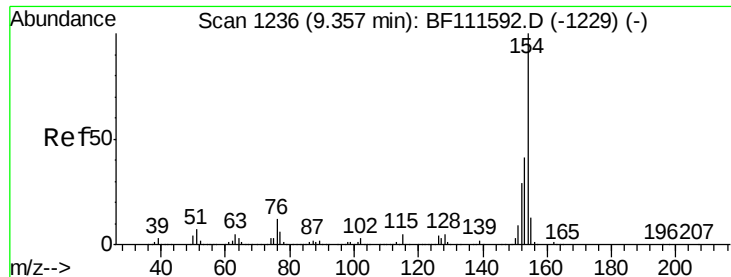


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

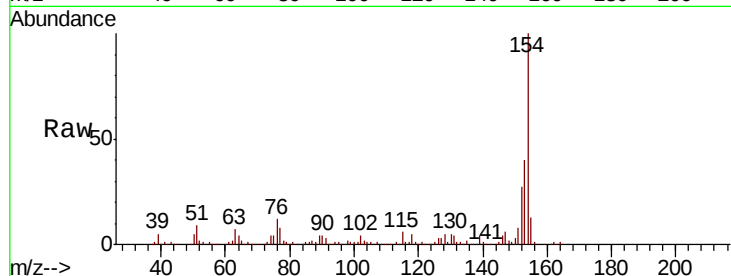




#46
 1,1'-Biphenyl
 Concen: 8.181 ng
 RT: 9.36 min Scan# 1236
 Delta R.T. -0.01 min
 Lab File: BF111750.D
 Acq: 27 Dec 2018 8:33

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26S-GWDL

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.5	23.7	63.7
76	12.5	0.0	35.0

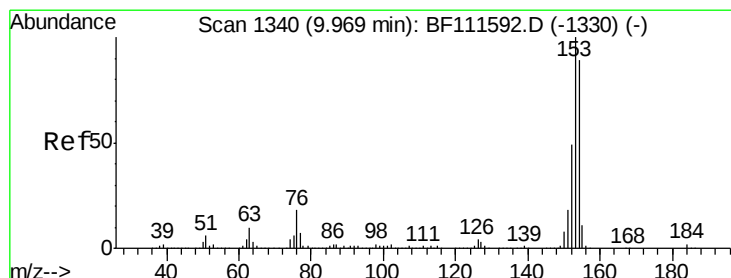
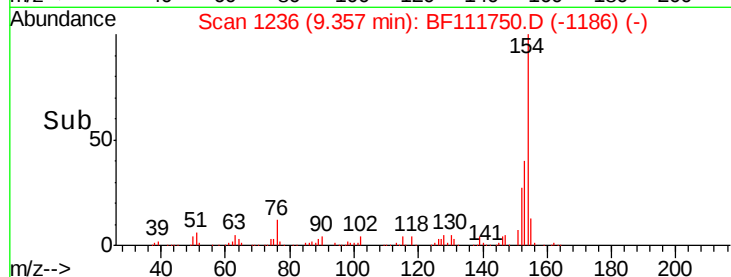
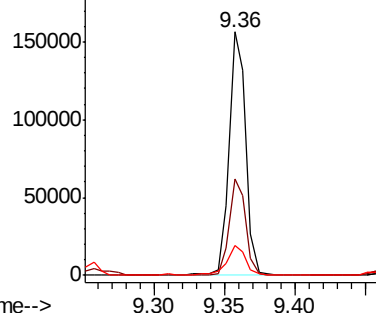


Abundance

Ion 154.00 (153.70 to 154.70): E

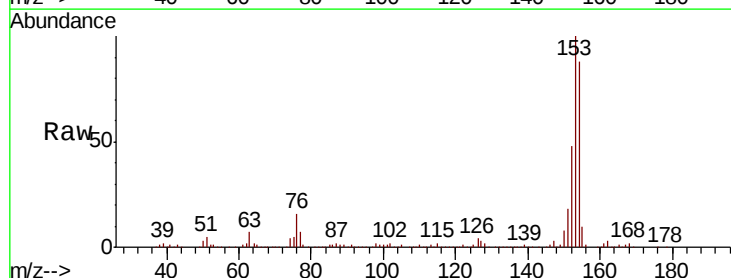
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#52
 Acenaphthene
 Concen: 16.455 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: BF111750.D
 Acq: 27 Dec 2018 8:33

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.6	87.8	131.8
152	54.3	43.4	65.2

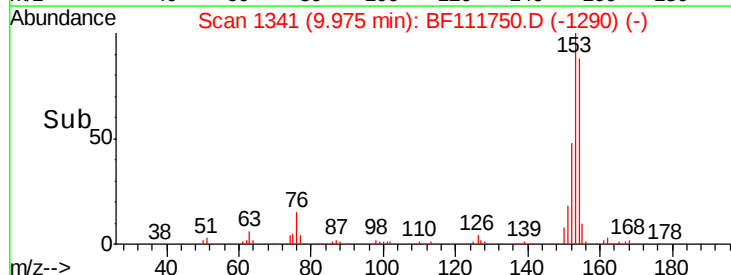
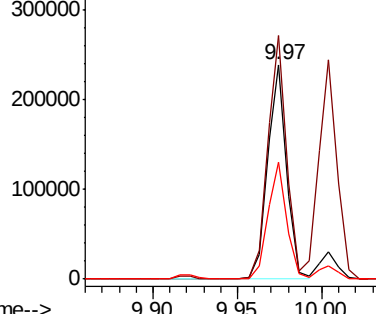


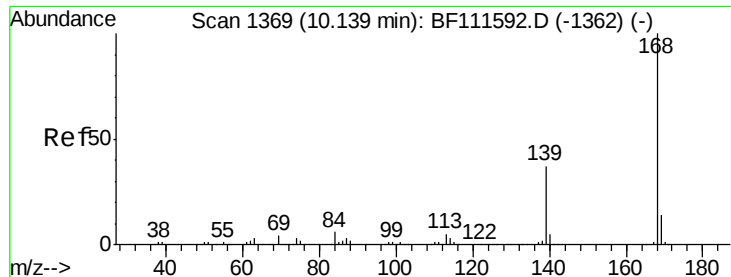
Abundance

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: 14.816 ng

RT: 10.15 min Scan# 1370

Delta R.T. 0.00 min

Lab File: BF111750.D

Acq: 27 Dec 2018 8:33

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL

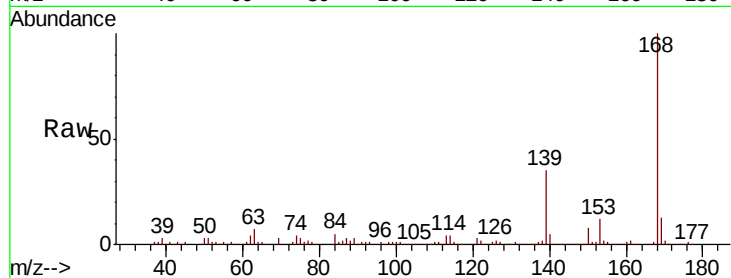
Tot Ion:168 Resp: 255519

Ion Ratio Lower Upper

168 100

139 35.2 32.6 49.0

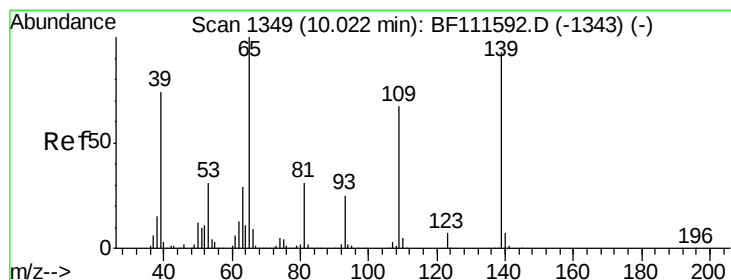
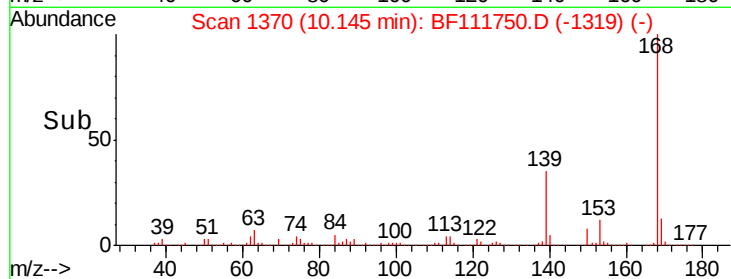
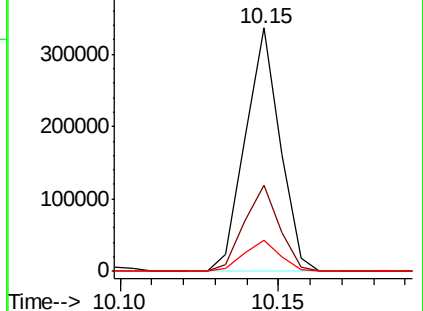
169 12.8 11.8 17.6



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: 3.215 ng

RT: 10.07 min Scan# 1358

Delta R.T. 0.02 min

Lab File: BF111750.D

Acq: 27 Dec 2018 8:33

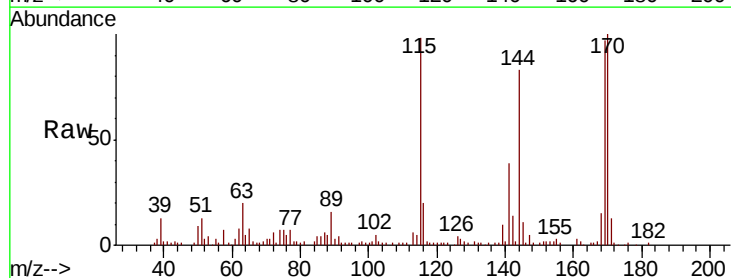
Tgt Ion:139 Resp: 7232

Ion Ratio Lower Upper

139 100

109 9.1 41.8 81.8#

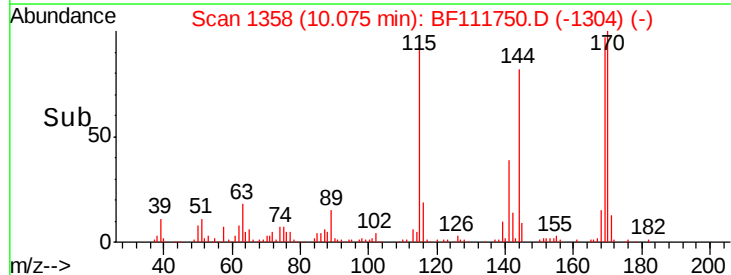
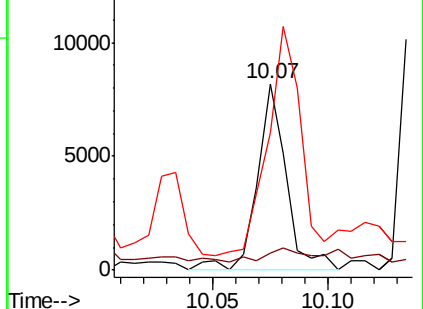
65 73.8 79.6 119.6#

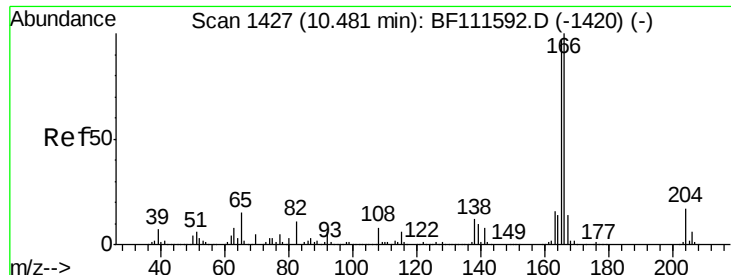


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

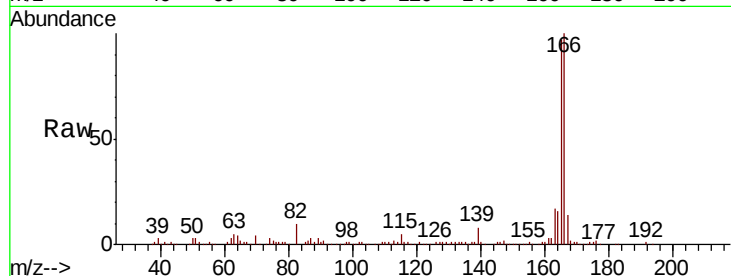




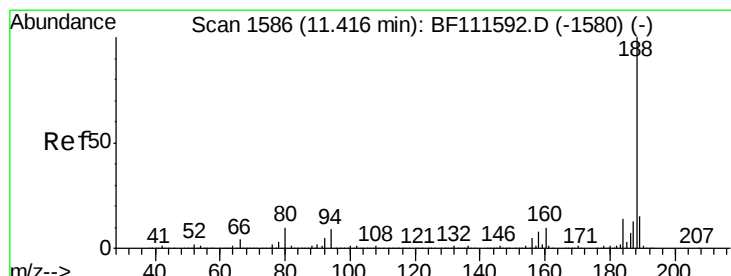
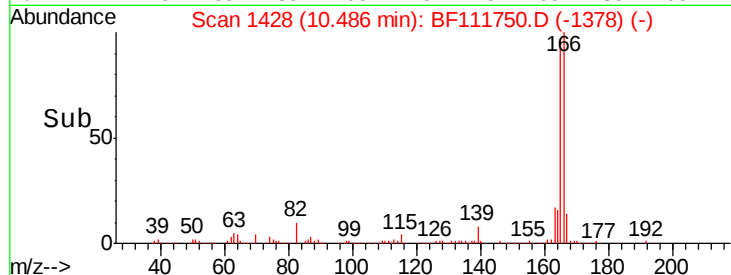
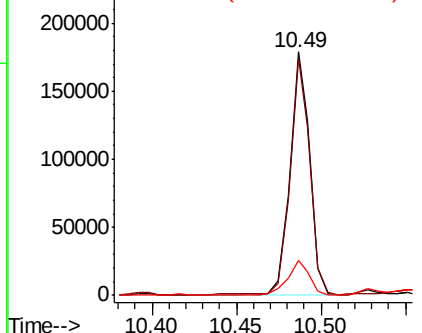
#58
Fluorene
 Concen: 11.846 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF111750.D
 Acq: 27 Dec 2018 8:33

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26S-GWDL

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.4	117.6
167	14.4	11.2	16.8

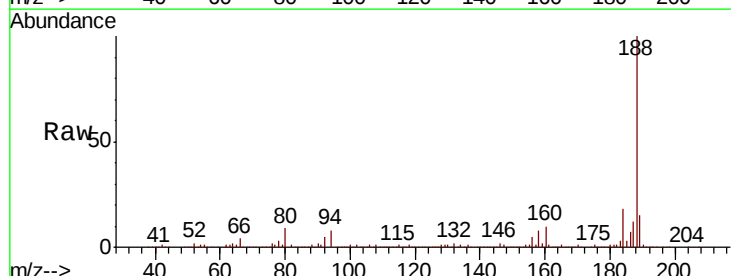


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

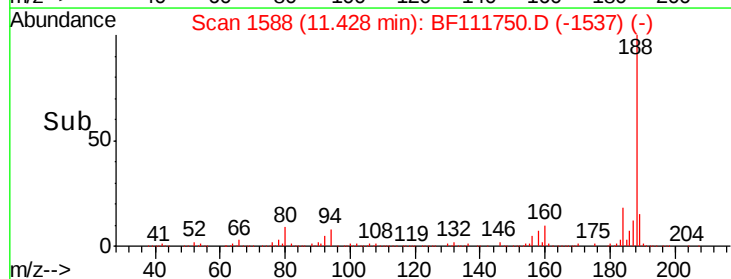
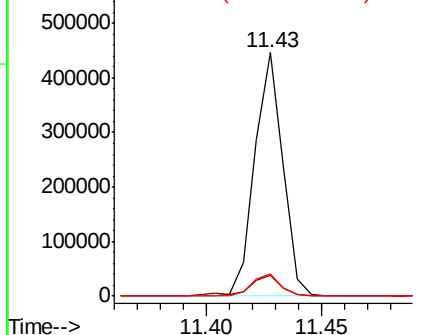


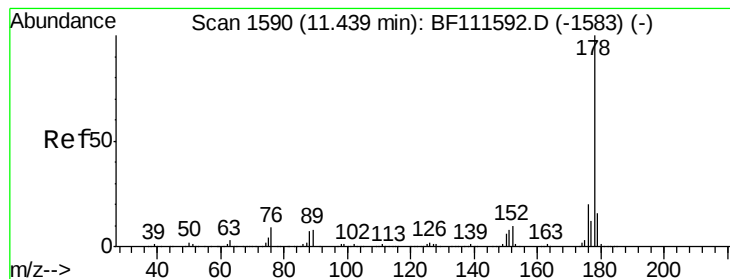
#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: BF111750.D
 Acq: 27 Dec 2018 8:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	9.6	14.4#
80	9.1	9.8	14.6#



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





#71

Phenanthrene

Concen: 11.798 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BF111750.D

Acq: 27 Dec 2018 8:33

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL

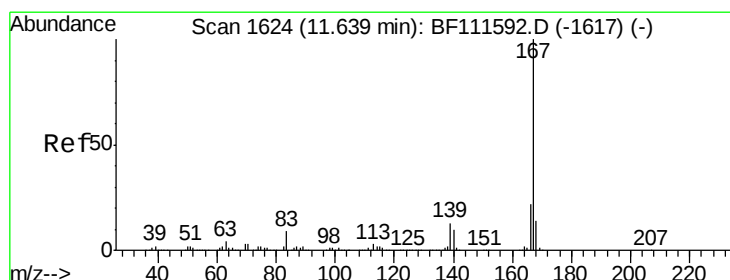
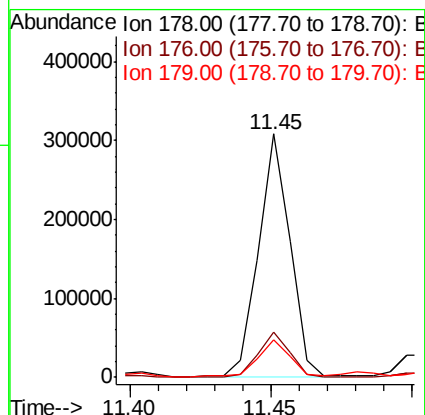
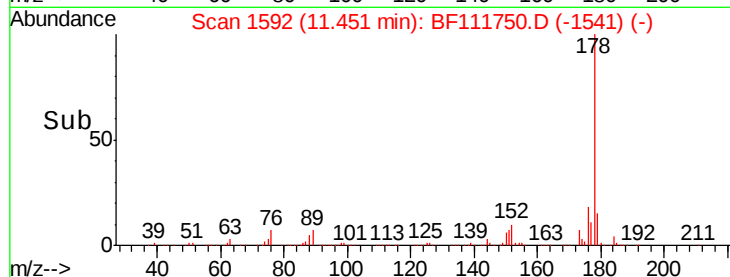
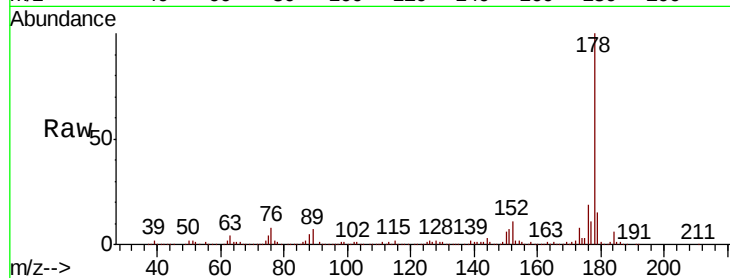
Tot Ion:178 Resp: 237453

Ion Ratio Lower Upper

178 100

176 18.6 18.1 27.1

179 15.3 14.0 21.0



#73

Carbazole

Concen: 10.606 ng

RT: 11.66 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BF111750.D

Acq: 27 Dec 2018 8:33

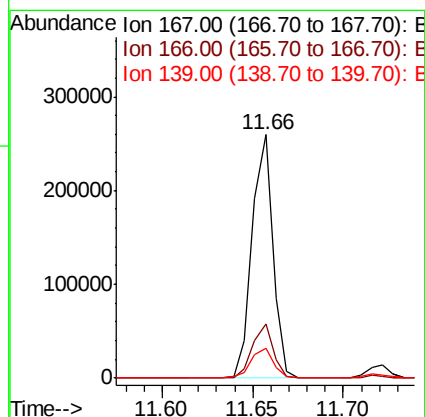
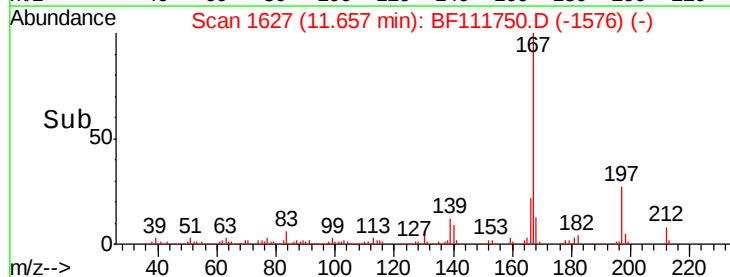
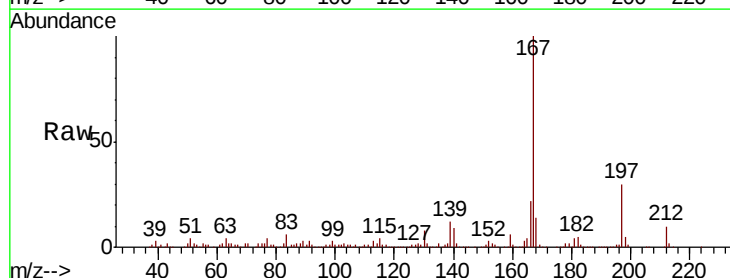
Tgt Ion:167 Resp: 208007

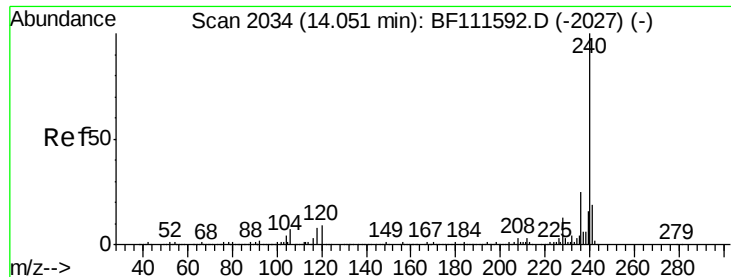
Ion Ratio Lower Upper

167 100

166 22.2 19.3 28.9

139 12.1 11.9 17.9

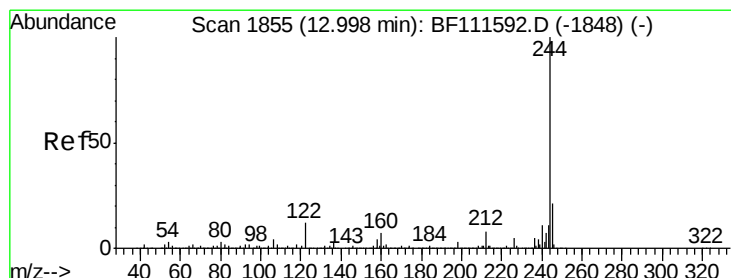
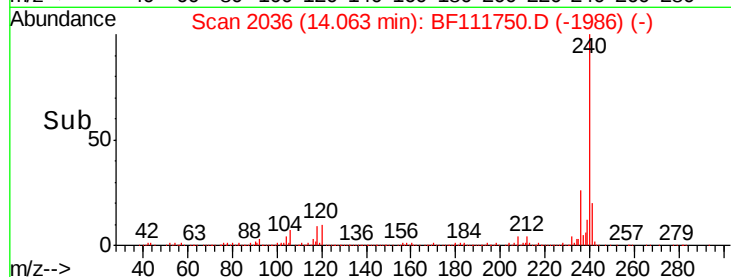
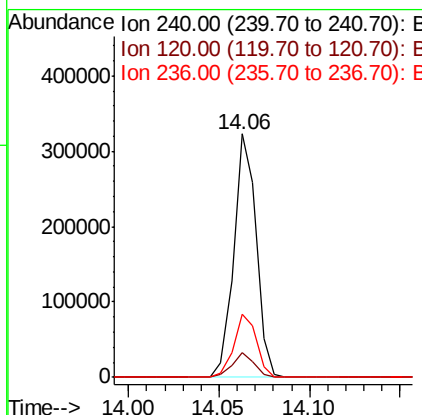
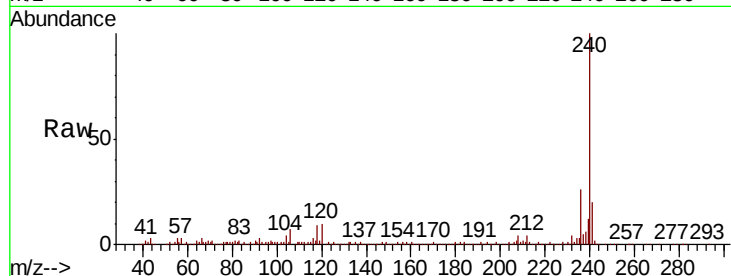




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: BF111750.D
 Acq: 27 Dec 2018 8:33

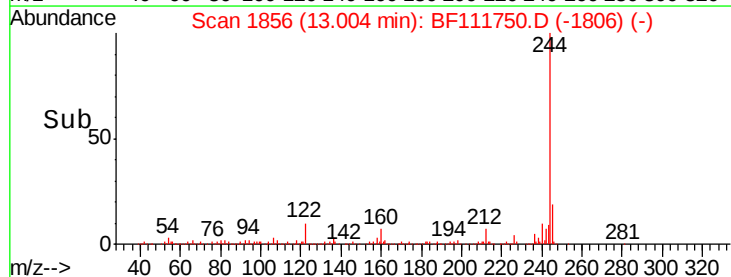
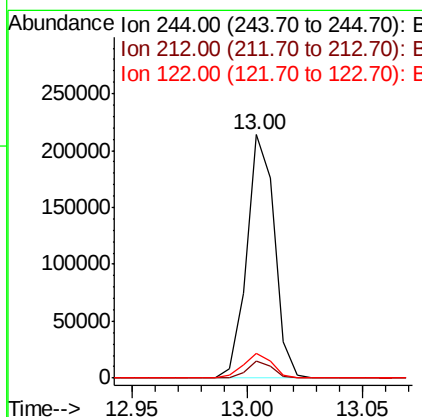
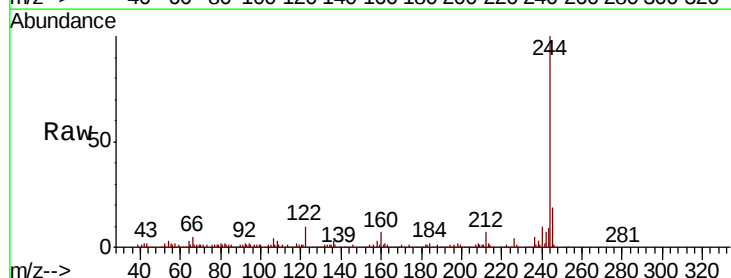
Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26S-GWDL

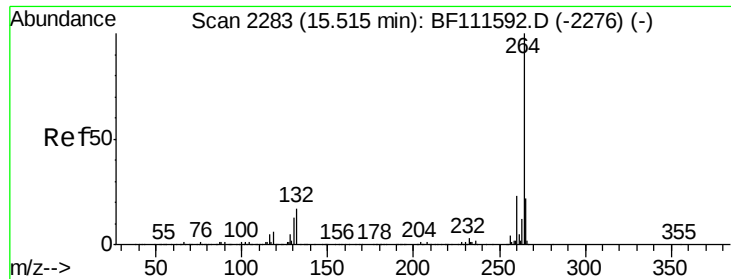
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.4	12.2	18.2#
236	25.8	20.2	30.2



#79
 Terphenyl-d14
 Concen: 12.195 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. -0.01 min
 Lab File: BF111750.D
 Acq: 27 Dec 2018 8:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	10.1	13.1	19.7#





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.00 min
Lab File: BF111750.D
Acq: 27 Dec 2018 8:33

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GWDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.3	27.5
265	21.5	17.7	26.5

