

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
 Data File : BF109090.D
 Acq On : 18 Sep 2018 11:17
 Operator : JU/SJ
 Sample : J4919-02DL 5X
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 18 18:12:33 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	138429	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	509361	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	214880	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	382486	20.00	ng	0.00
75) Chrysene-d12	13.85	240	358343	20.00	ng	-0.01
86) Perylene-d12	15.25	264	294353	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	186970	22.43	ng	0.00
7) Phenol-d6	6.35	99	212492	19.77	ng	-0.01
23) Nitrobenzene-d5	7.27	82	156014	17.18	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	49023	21.02	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	278972	20.34	ng	0.00
78) Terphenyl-d14	12.81	244	263787	17.45	ng	0.00

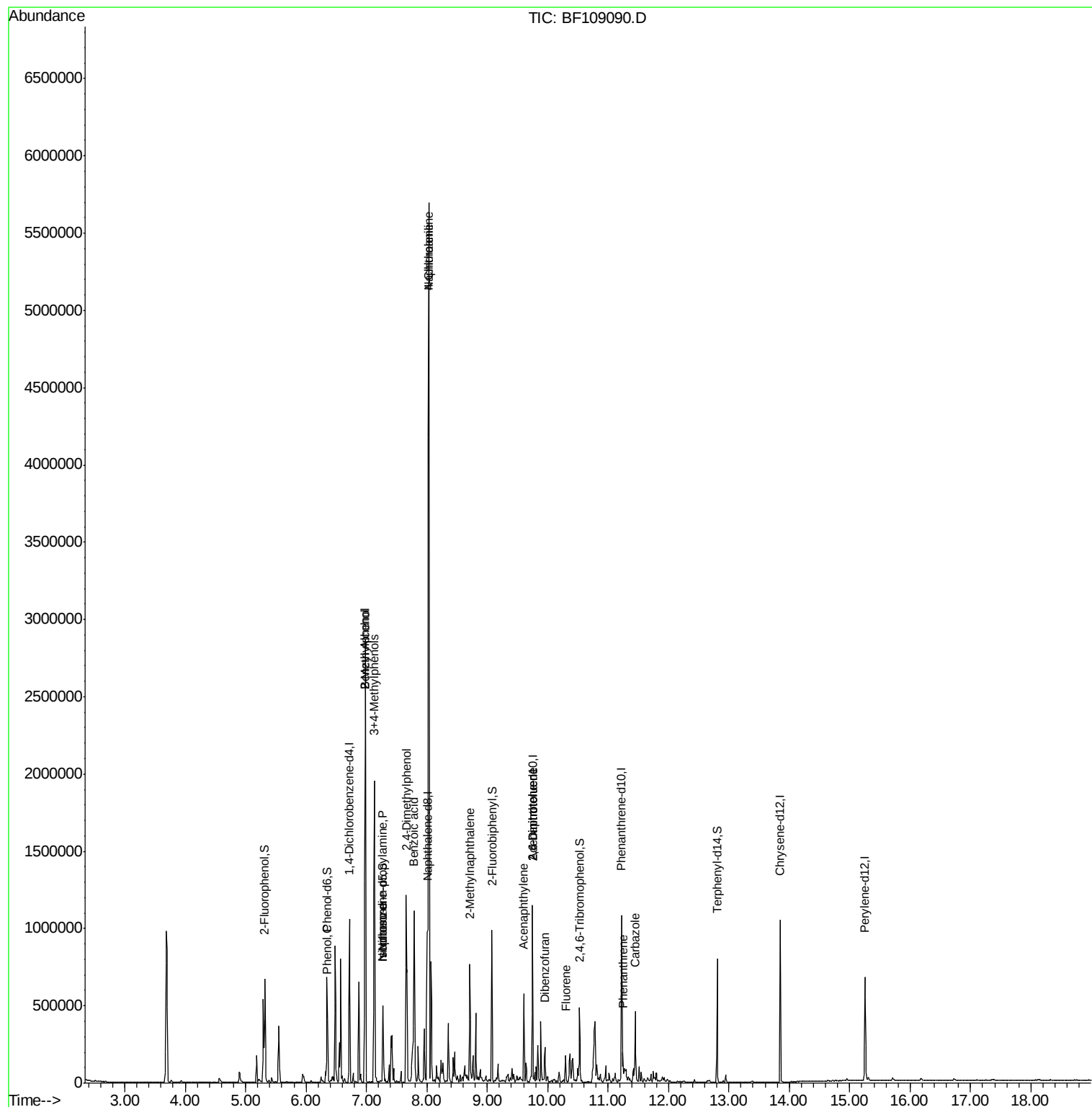
Target Compounds				Qvalue		
10) Phenol	6.36	94	101043	8.356	ng	99
15) Benzyl Alcohol	6.97	79	49168	6.026	ng	# 1
17) 2-Methylphenol	6.97	107	113608	14.929	ng	97
19) n-Nitroso-di-n-propylamine	7.27	70	20198	2.843	ng	# 77
20) 3+4-Methylphenols	7.13	107	452292	49.351	ng	89
25) Isophorone	7.27	82	156011	9.994	ng	# 64
27) 2,4-Dimethylphenol	7.66	122	287479	41.918	ng	98
31) Naphthalene	8.03	128	2916941	123.383	ng	97
32) Benzoic acid	7.80	122	226321	50.505	ng	# 13
33) 4-Chloroaniline	8.03	127	413972	39.383	ng	# 33
37) 2-Methylnaphthalene	8.71	142	170244	11.047	ng	99
48) Acenaphthylene	9.61	152	214282	10.323	ng	98
50) 2,6-Dinitrotoluene	9.75	165	27800	8.162	ng	# 26
54) Dibenzofuran	9.95	168	55153	2.953	ng	97
56) 2,4-Dinitrotoluene	9.75	165	27800	6.241	ng	# 23
57) Fluorene	10.30	166	41411	3.327	ng	99
70) Phenanthrene	11.25	178	60008	3.201	ng	97
72) Carbazole	11.45	167	164951	8.767	ng	97

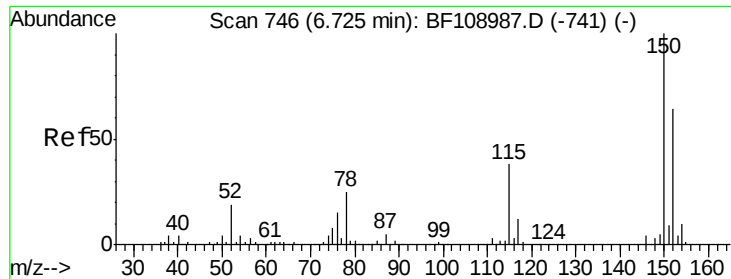
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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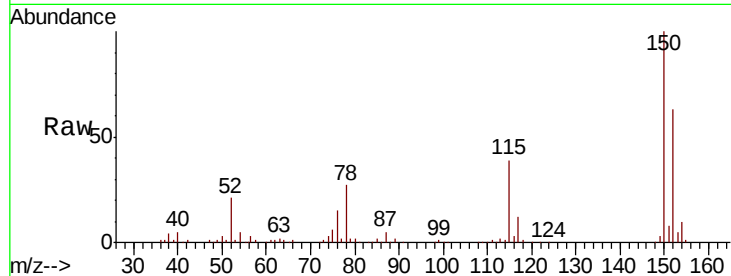


#1

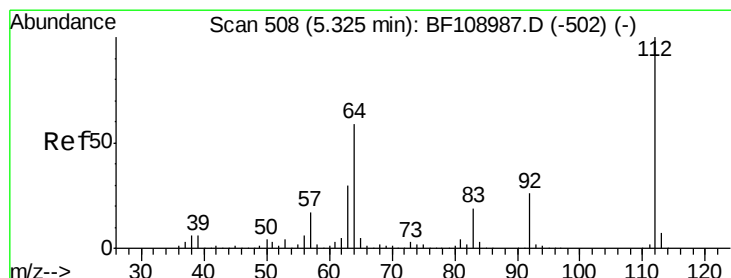
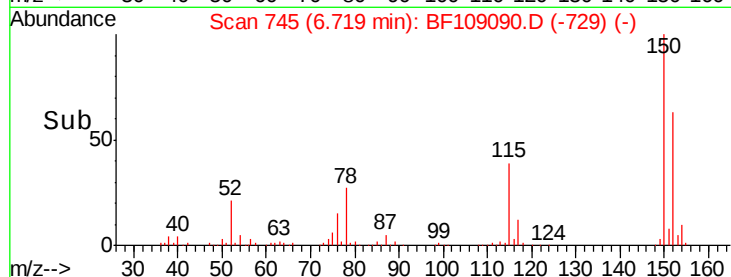
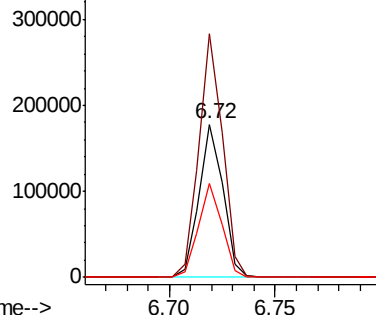
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109090.D
Acq: 18 Sep 2018 11:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 138429
Ion Ratio Lower Upper
152 100
150 158.8 124.6 186.8
115 61.4 50.1 75.1



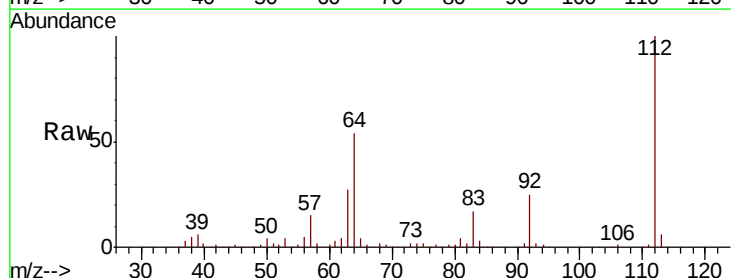
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



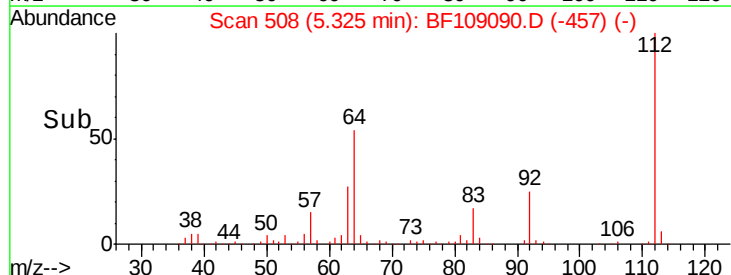
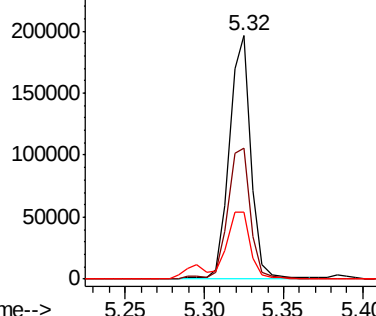
#5

2-Fluorophenol
Concen: 22.433 ng
RT: 5.32 min Scan# 508
Delta R.T. 0.00 min
Lab File: BF109090.D
Acq: 18 Sep 2018 11:17

Tgt Ion:112 Resp: 186970
Ion Ratio Lower Upper
112 100
64 53.7 47.9 71.9
63 27.4 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





#7

Phenol-d6

Concen: 19.772 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF109090.D

Acq: 18 Sep 2018 11:17

Instrument :

BNA_F

ClientSampleId :

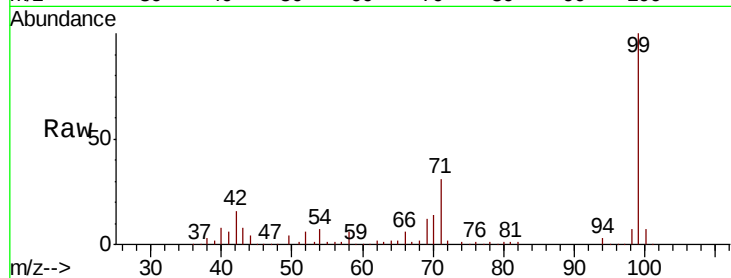
Tot Ion: 99 Resp: 212492

Ion Ratio Lower Upper

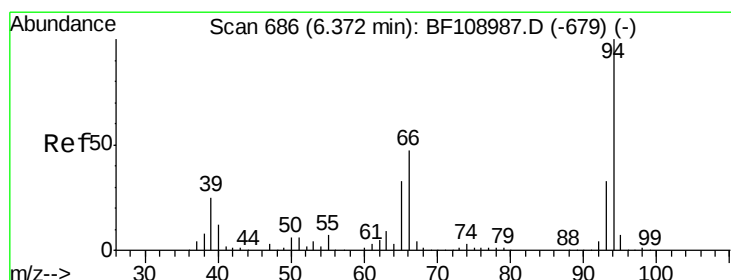
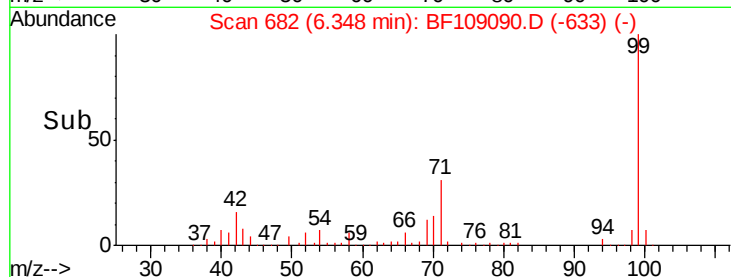
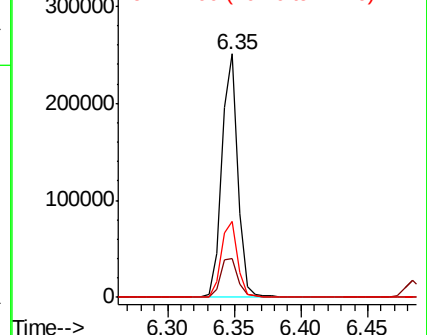
99 100

42 16.2 14.5 21.7

71 31.2 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: 8.356 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF109090.D

Acq: 18 Sep 2018 11:17

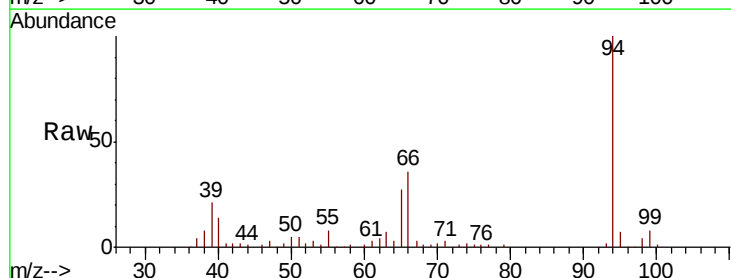
Tgt Ion: 94 Resp: 101043

Ion Ratio Lower Upper

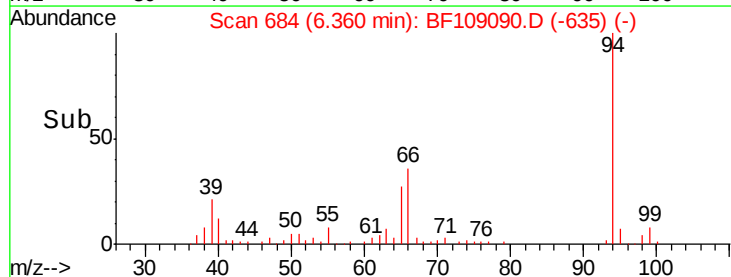
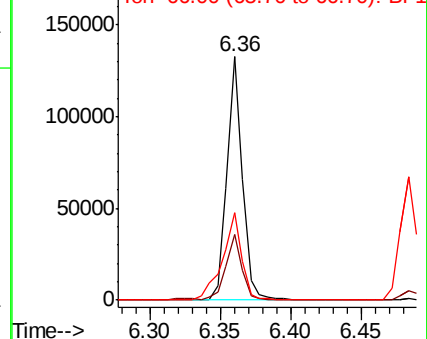
94 100

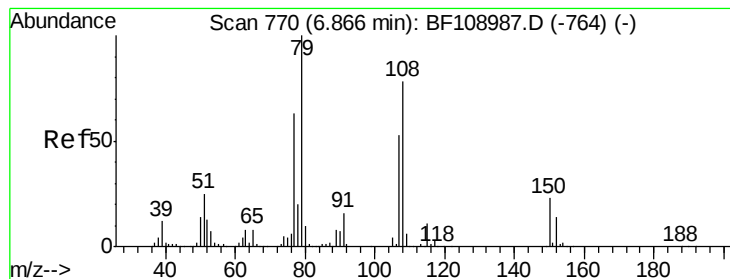
65 26.7 7.9 47.9

66 35.7 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





#15

Benzyl Alcohol

Concen: 6.026 ng

RT: 6.97 min Scan# 788

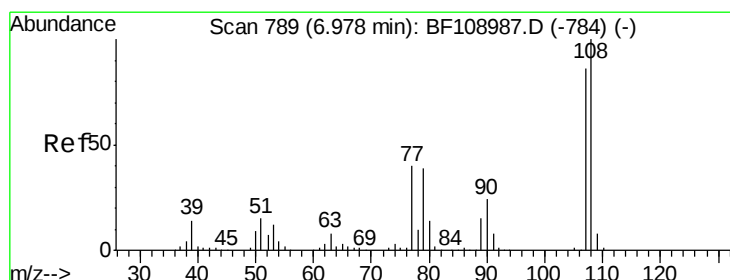
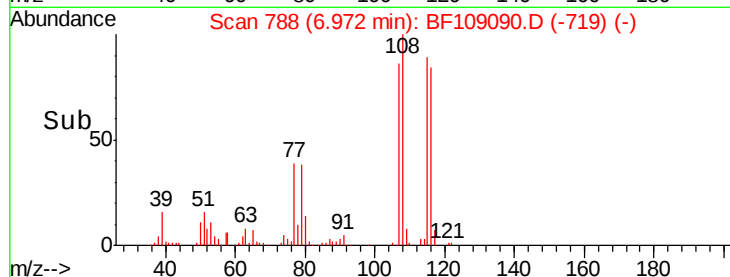
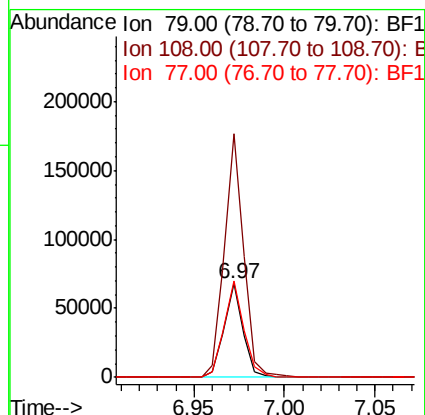
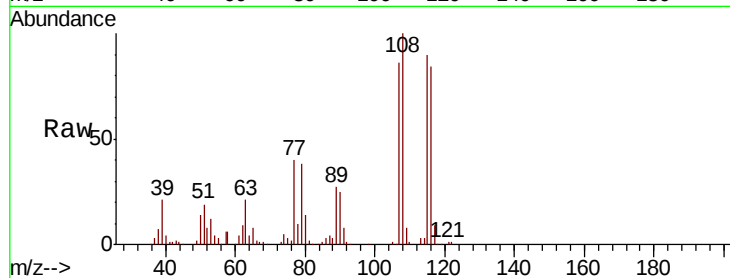
Delta R.T. 0.11 min

Lab File: BF109090.D

Acq: 18 Sep 2018 11:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:	79	Resp:	49168
Ion	Ratio	Lower	Upper
79	100		
108	260.4	65.1	97.7#
77	103.5	50.6	75.8#



#17

2-Methylphenol

Concen: 14.929 ng

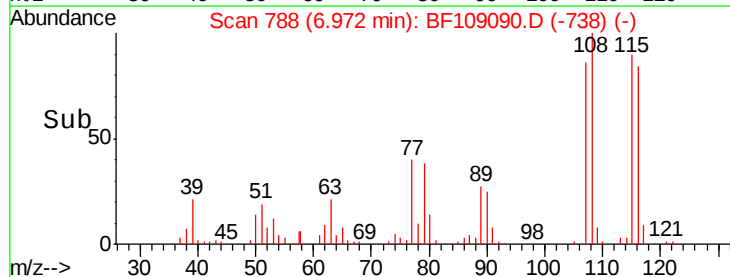
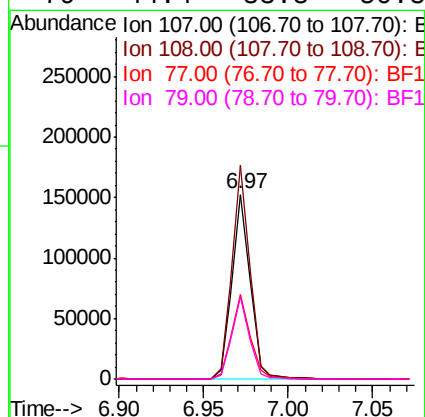
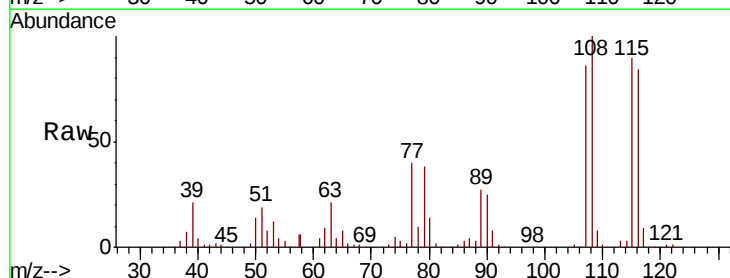
RT: 6.97 min Scan# 788

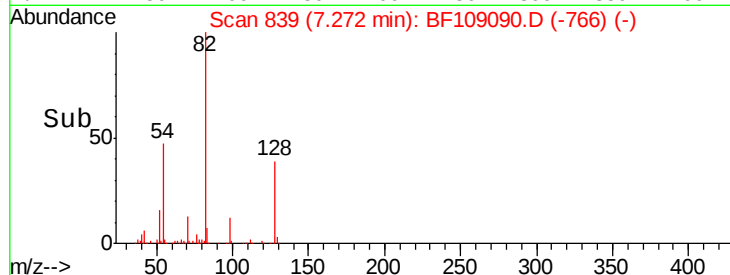
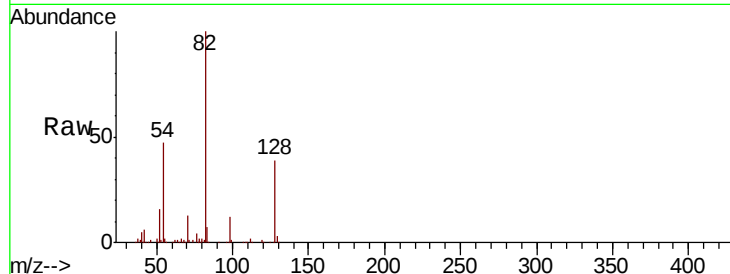
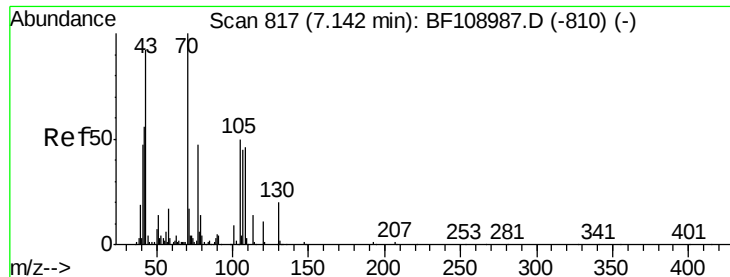
Delta R.T. -0.01 min

Lab File: BF109090.D

Acq: 18 Sep 2018 11:17

Tgt Ion:	107	Resp:	113608
Ion	Ratio	Lower	Upper
107	100		
108	115.7	91.7	137.5
77	46.0	33.8	50.8
79	44.4	33.8	50.8

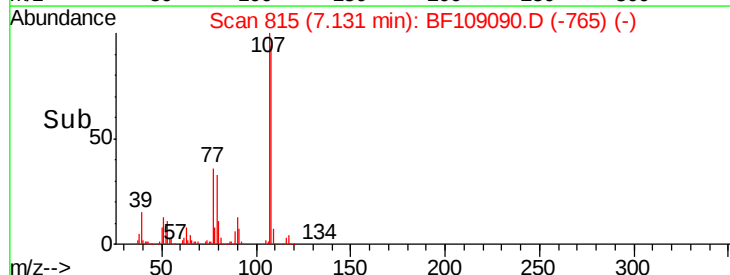
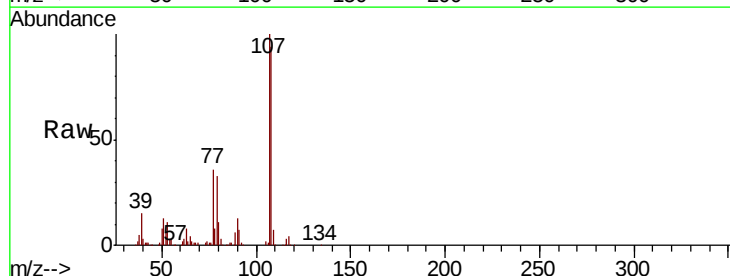
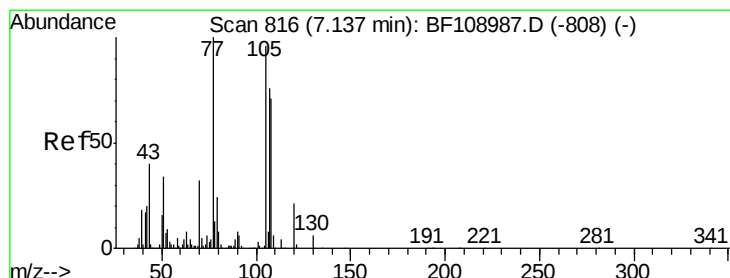
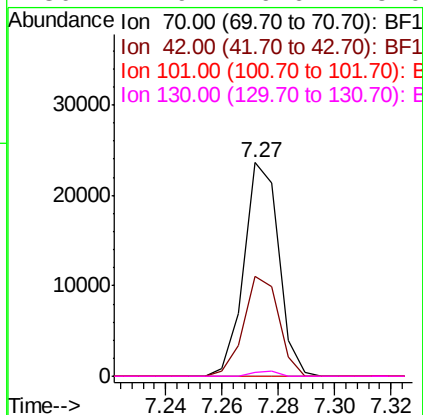




#19
n-Nitroso-di-n-propylamine
Concen: 2.843 ng
RT: 7.27 min Scan# 839
Delta R.T. 0.13 min
Lab File: BF109090.D
Acq: 18 Sep 2018 11:17

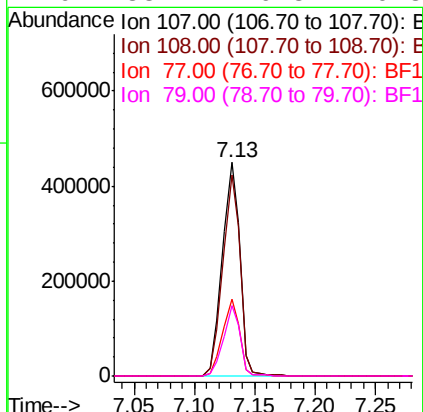
Instrument :
BNA_F
ClientSampleId :

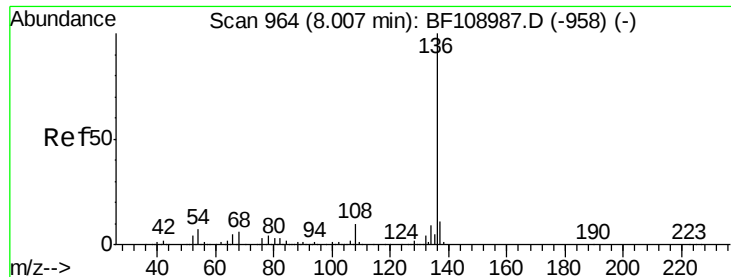
Tot Ion:	70	Resp:	20198
Ion	Ratio	Lower	Upper
70	100		
42	47.0	47.5	71.3#
101	0.0	7.4	11.2#
130	1.9	16.6	25.0#



#20
3+4-Methylphenols
Concen: 49.351 ng
RT: 7.13 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF109090.D
Acq: 18 Sep 2018 11:17

Tgt Ion:	107	Resp:	452292
Ion	Ratio	Lower	Upper
107	100		
108	94.3	68.2	108.2
77	35.7	26.7	66.7
79	33.2	6.3	46.3

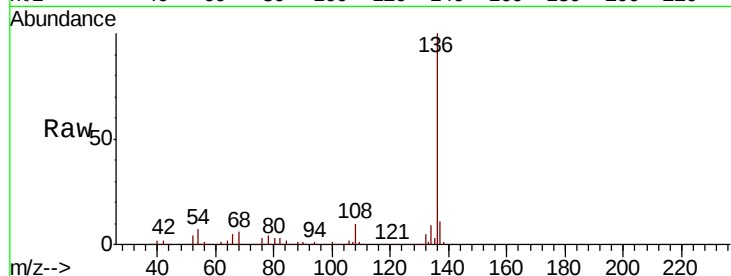




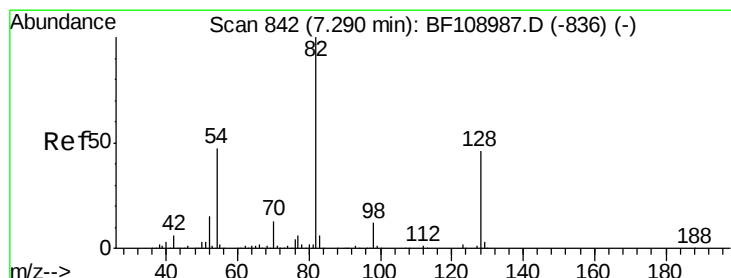
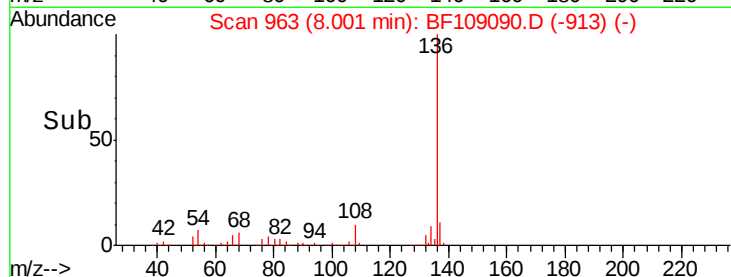
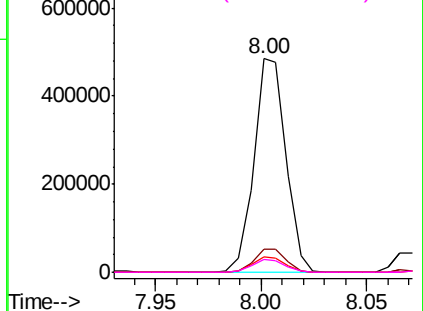
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF109090.D
Acq: 18 Sep 2018 11:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	509361
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.9 13.3
54	7.4	6.6 9.8
68	6.1	5.0 7.4

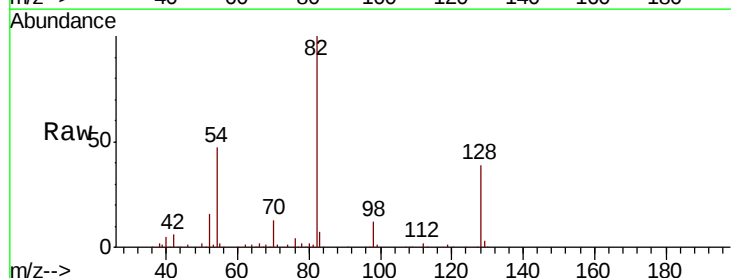


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

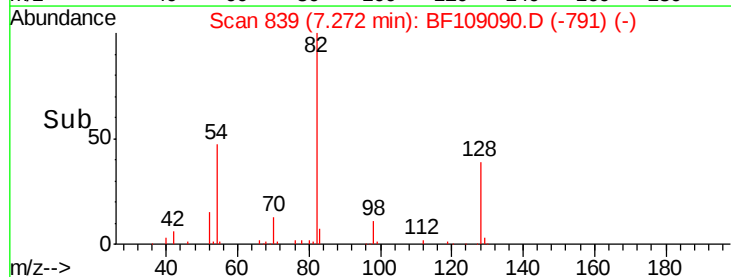
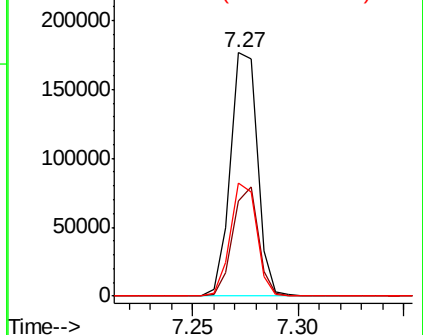


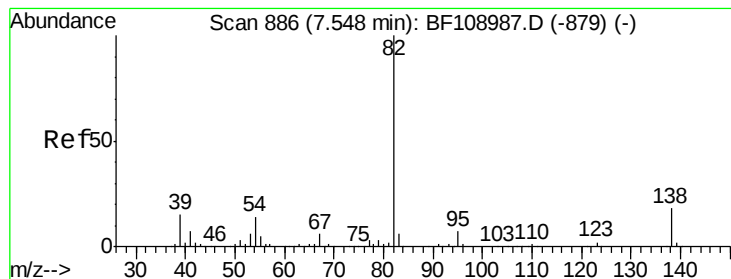
#23
Nitrobenzene-d5
Concen: 17.179 ng
RT: 7.27 min Scan# 839
Delta R.T. -0.02 min
Lab File: BF109090.D
Acq: 18 Sep 2018 11:17

Tgt Ion: 82	Resp:	156014
Ion	Ratio	Lower Upper
82	100	
128	39.2	36.1 54.1
54	46.7	41.4 62.2



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





#25

Isophorone

Concen: 9.994 ng

RT: 7.27 min Scan# 839

Delta R.T. -0.28 min

Lab File: BF109090.D

Acq: 18 Sep 2018 11:17

Instrument :

BNA_F

ClientSampled :

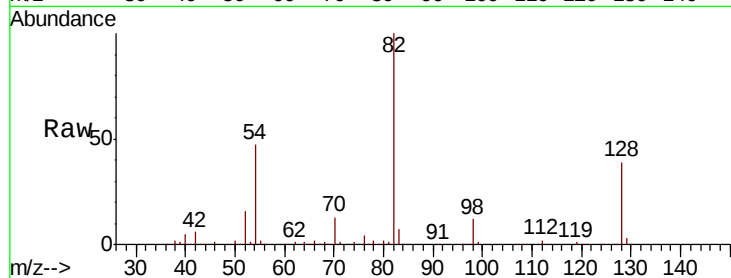
Tot Ion: 82 Resp: 156011

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

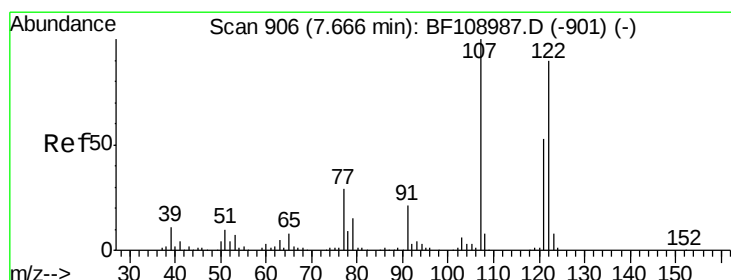
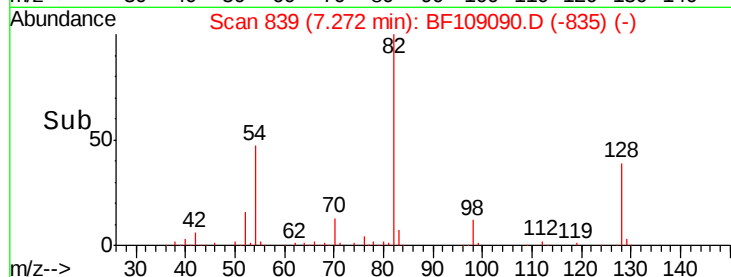
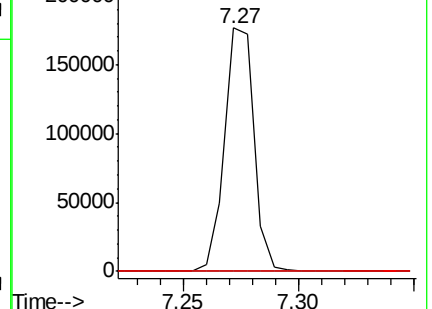
138 0.0 14.9 22.3#



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: 41.918 ng

RT: 7.66 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF109090.D

Acq: 18 Sep 2018 11:17

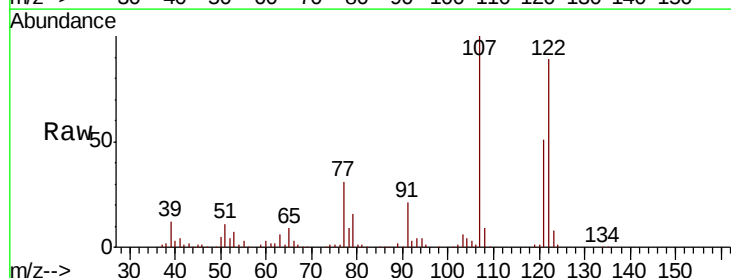
Tgt Ion: 122 Resp: 287479

Ion Ratio Lower Upper

122 100

107 111.9 91.2 136.8

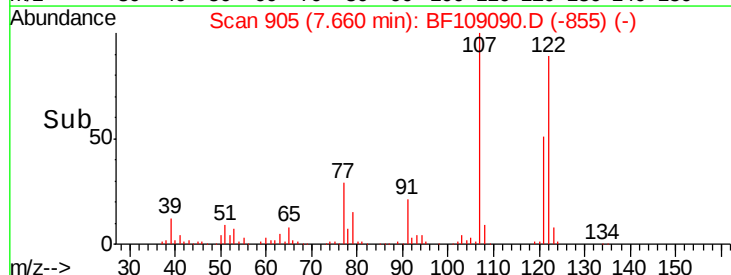
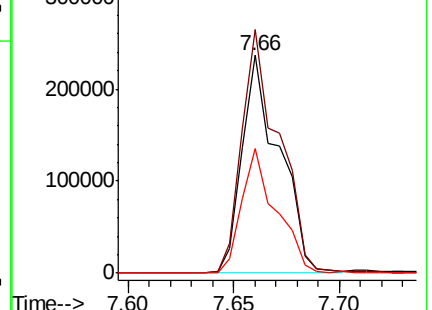
121 57.2 47.2 70.8

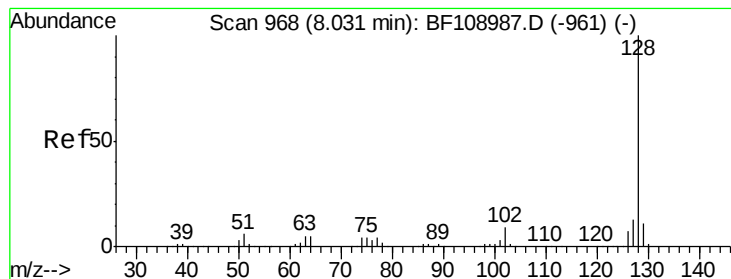


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 107.00 (106.70 to 107.70): BF1

Ion 121.00 (120.70 to 121.70): BF1





#31

Naphthalene

Concen: 123.383 ng

RT: 8.03 min Scan# 968

Delta R.T. -0.00 min

Lab File: BF109090.D

Acq: 18 Sep 2018 11:17

Instrument :

BNA_F

ClientSampleId :

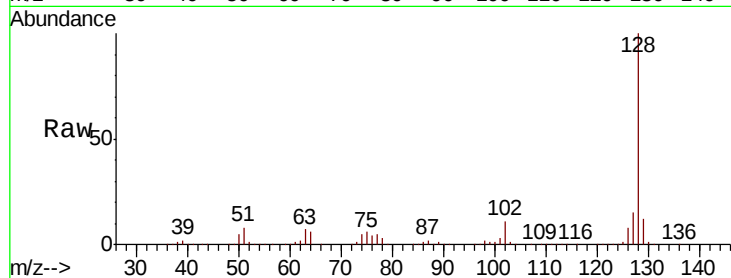
Tot Ion:128 Resp: 2916941

Ion Ratio Lower Upper

128 100

129 12.5 8.8 13.2

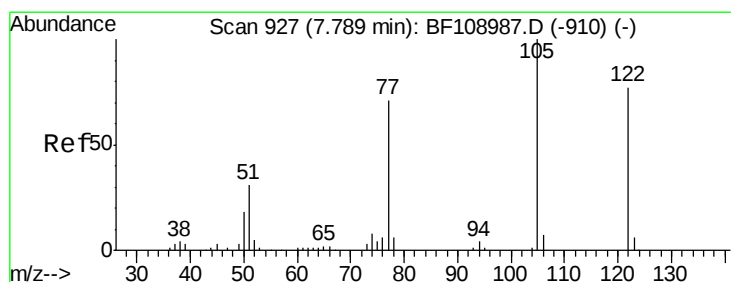
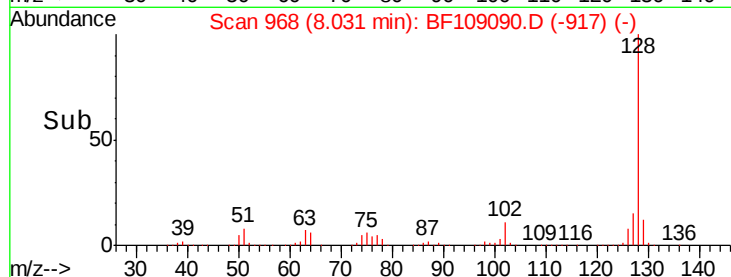
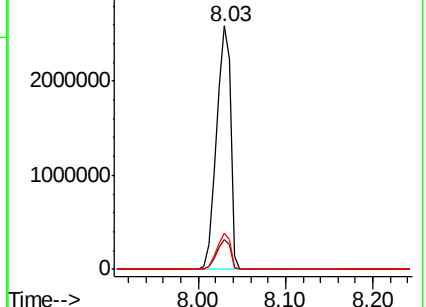
127 14.8 10.9 16.3



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: 50.505 ng

RT: 7.80 min Scan# 928

Delta R.T. 0.01 min

Lab File: BF109090.D

Acq: 18 Sep 2018 11:17

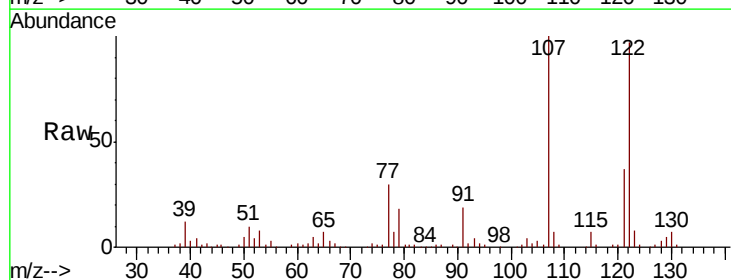
Tgt Ion:122 Resp: 226321

Ion Ratio Lower Upper

122 100

105 3.5 101.1 141.1#

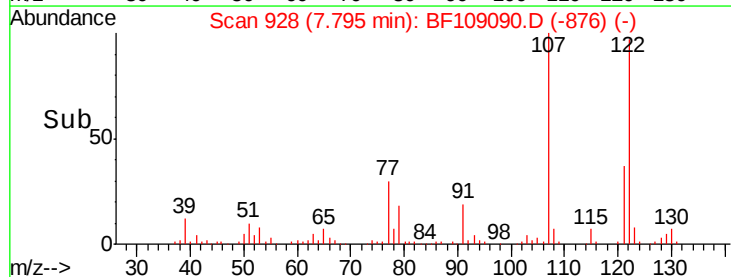
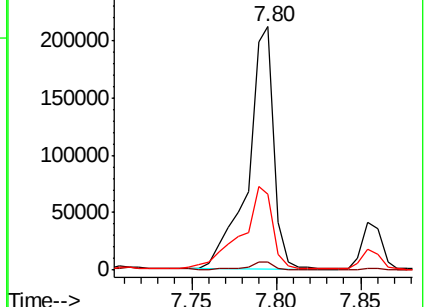
77 31.0 70.7 110.7#

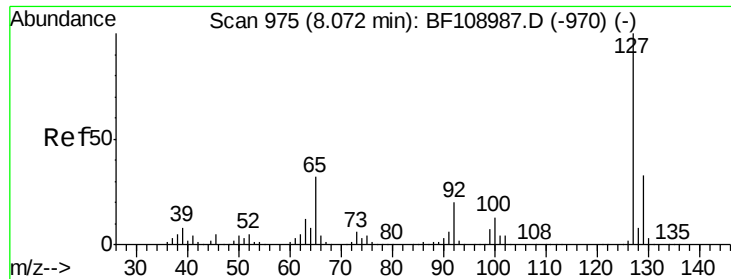


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

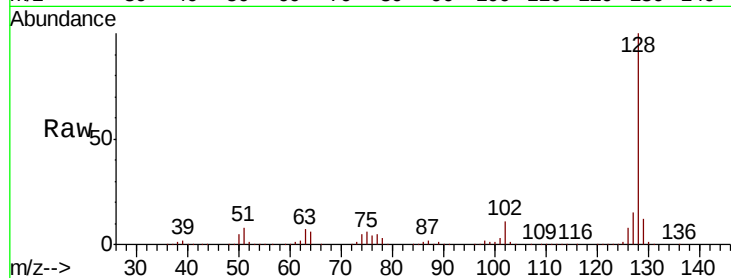




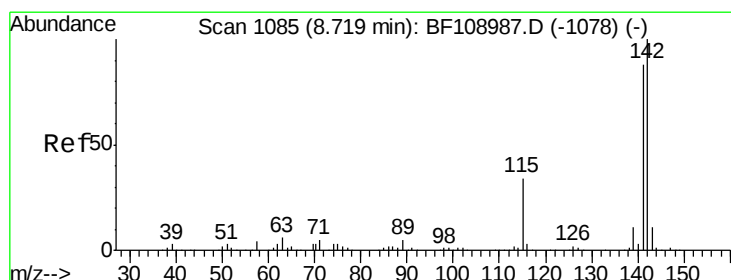
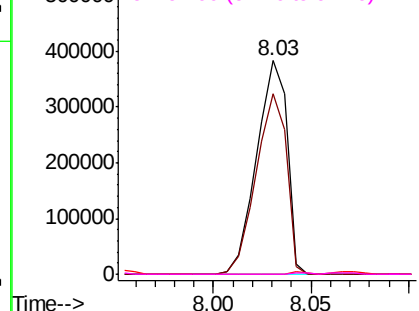
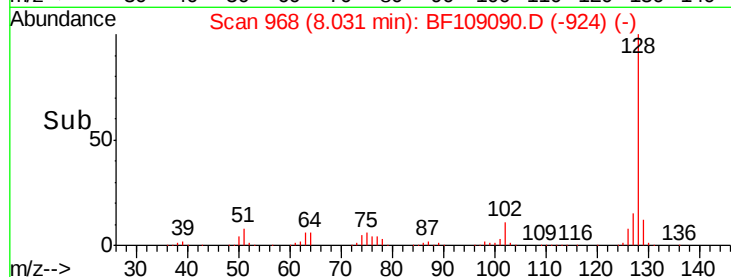
#33
4-Chloroaniline
Concen: 39.383 ng
RT: 8.03 min Scan# 968
Delta R.T. -0.04 min
Lab File: BF109090.D
Acq: 18 Sep 2018 11:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:127	Resp:	413972
Ion Ratio	Lower	Upper
127 100		
129 84.3	25.9	38.9#
65 0.0	25.0	37.4#
92 0.0	15.2	22.8#

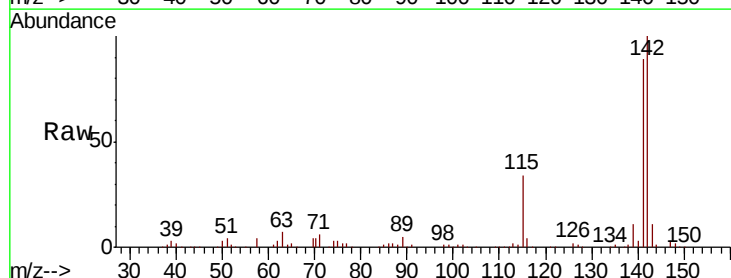


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

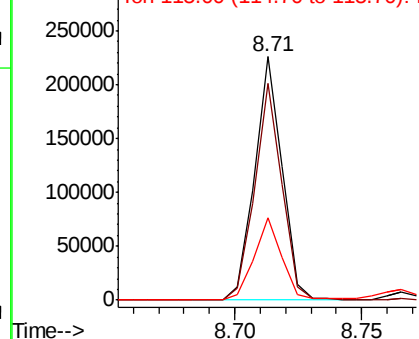
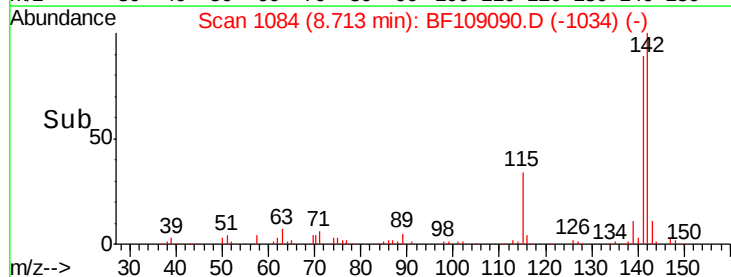


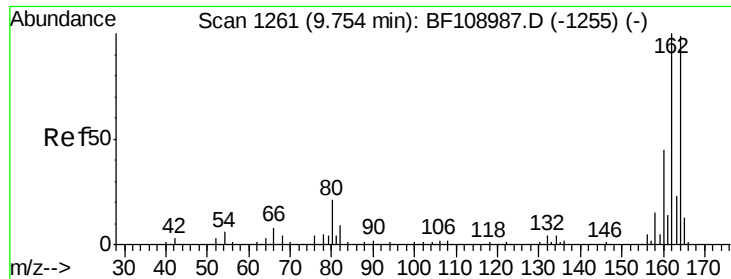
#37
2-Methylnaphthalene
Concen: 11.047 ng
RT: 8.71 min Scan# 1084
Delta R.T. -0.01 min
Lab File: BF109090.D
Acq: 18 Sep 2018 11:17

Tgt Ion:142	Resp:	170244
Ion Ratio	Lower	Upper
142 100		
141 88.8	70.8	106.2
115 33.8	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

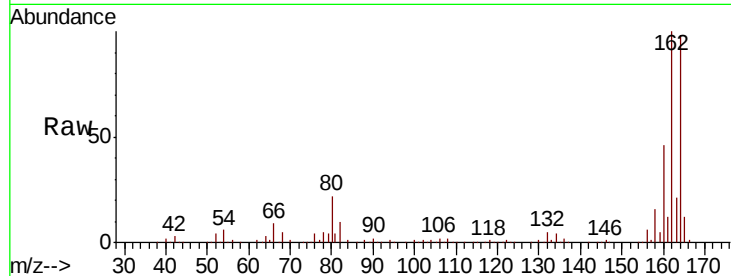




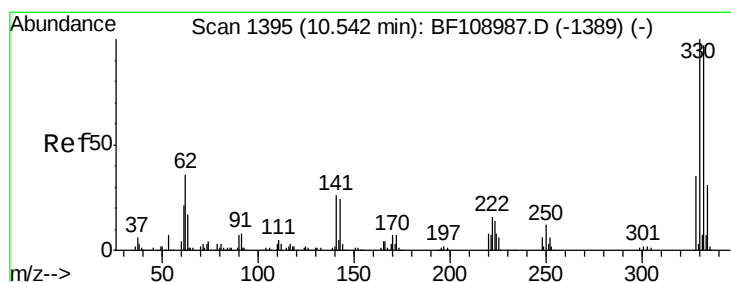
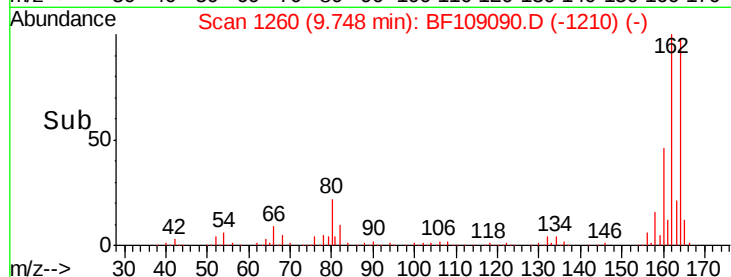
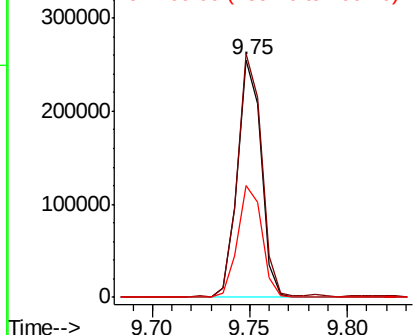
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: BF109090.D
 Acq: 18 Sep 2018 11:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 214880
 Ion Ratio Lower Upper
 164 100
 162 102.4 86.1 129.1
 160 47.2 38.3 57.5

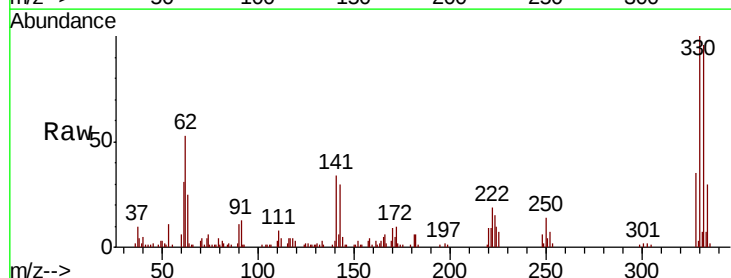


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

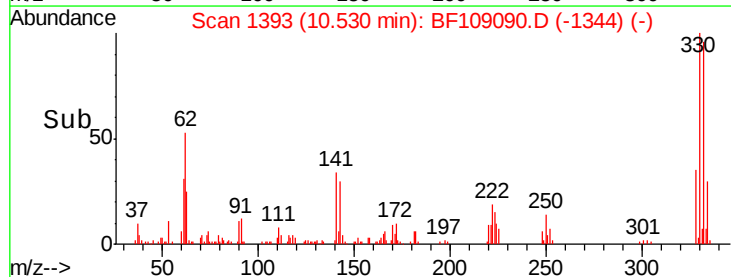
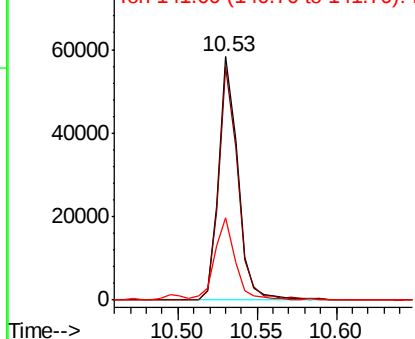


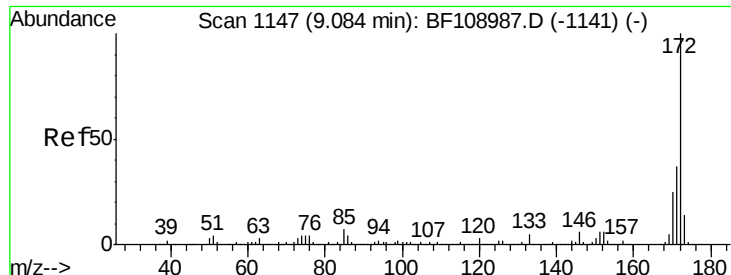
#41
 2,4,6-Tribromophenol
 Concen: 21.022 ng
 RT: 10.53 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF109090.D
 Acq: 18 Sep 2018 11:17

Tgt Ion:330 Resp: 49023
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 36.1 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

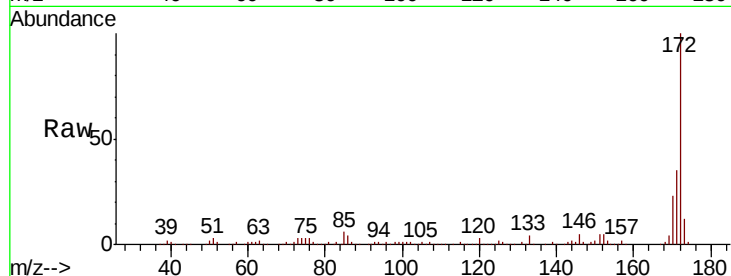




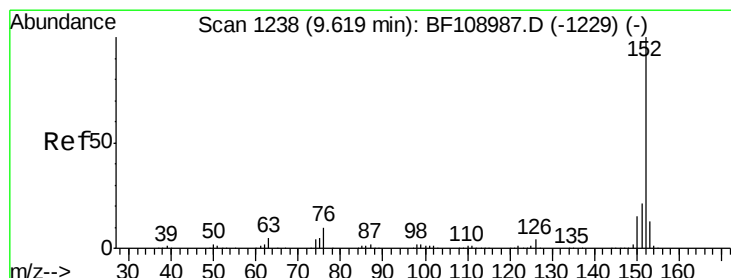
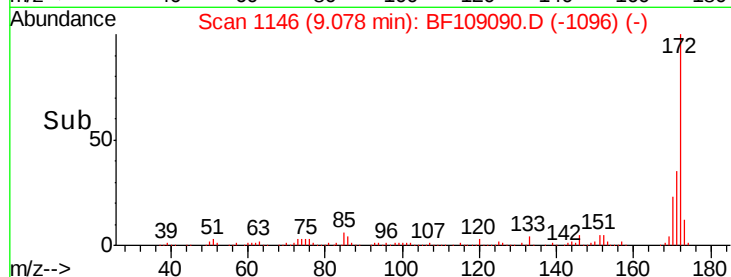
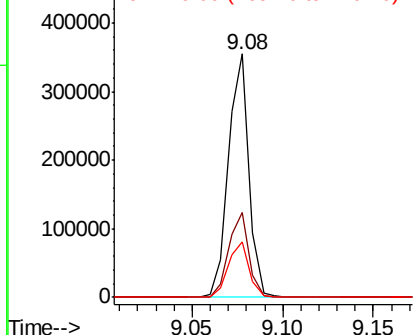
#44
 2-Fluorobiphenyl
 Concen: 20.340 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109090.D
 Acq: 18 Sep 2018 11:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.7	44.5
170	22.6	19.6	29.4

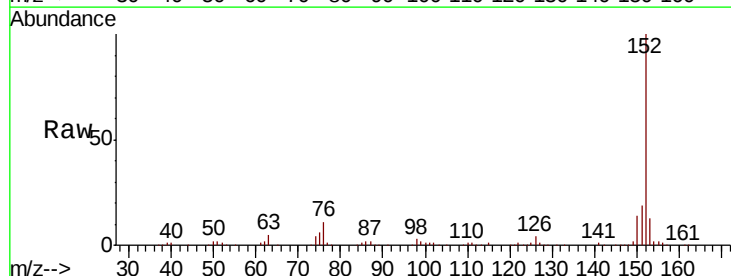


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

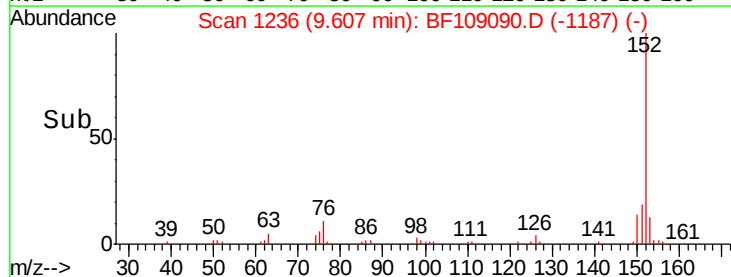
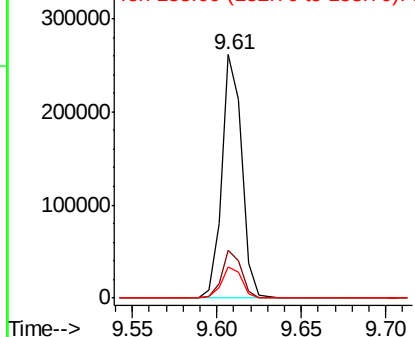


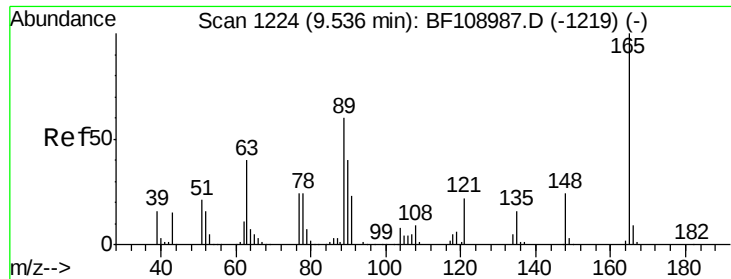
#48
 Acenaphthylene
 Concen: 10.323 ng
 RT: 9.61 min Scan# 1236
 Delta R.T. -0.01 min
 Lab File: BF109090.D
 Acq: 18 Sep 2018 11:17

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.3	24.5
153	12.9	10.7	16.1



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

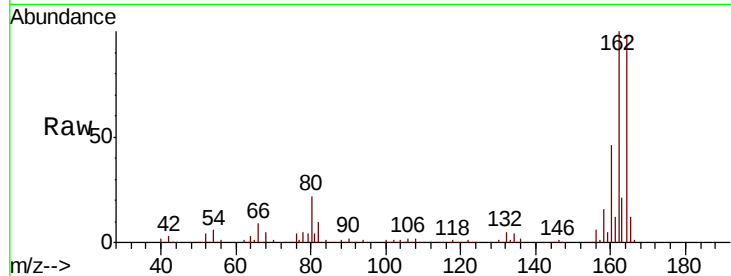




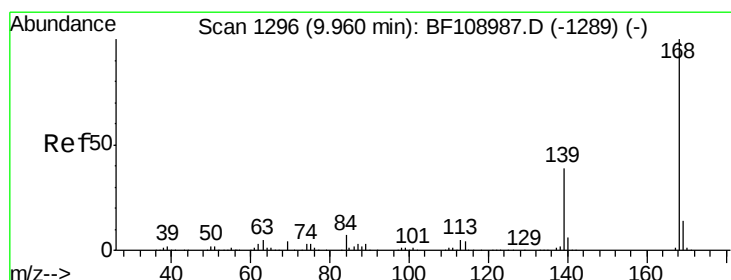
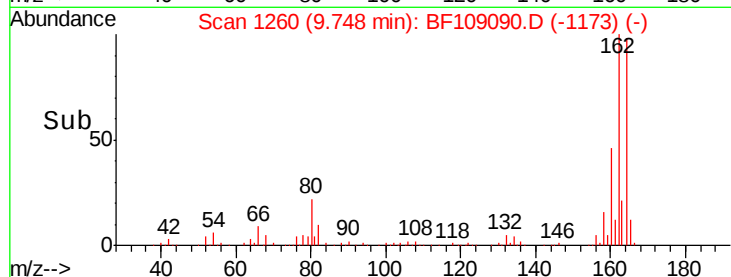
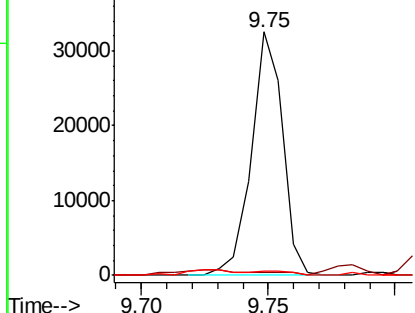
#50
2,6-Dinitrotoluene
Concen: 8.162 ng
RT: 9.75 min Scan# 1260
Delta R.T. 0.21 min
Lab File: BF109090.D
Acq: 18 Sep 2018 11:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.6	44.0	66.0#

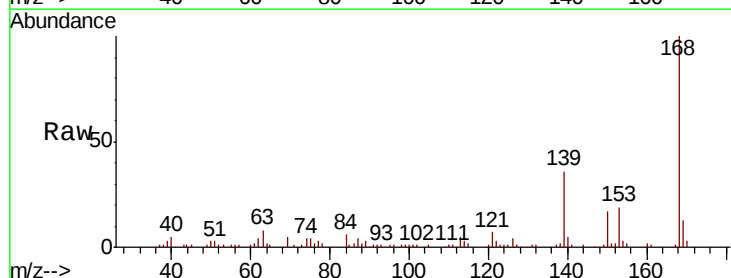


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

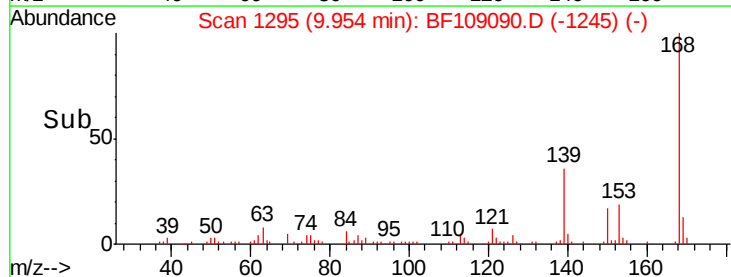
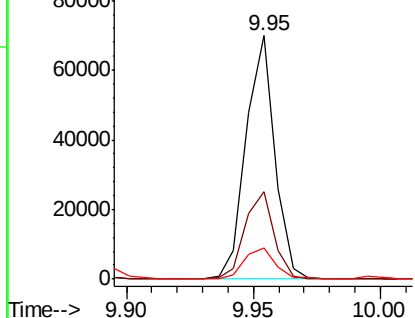


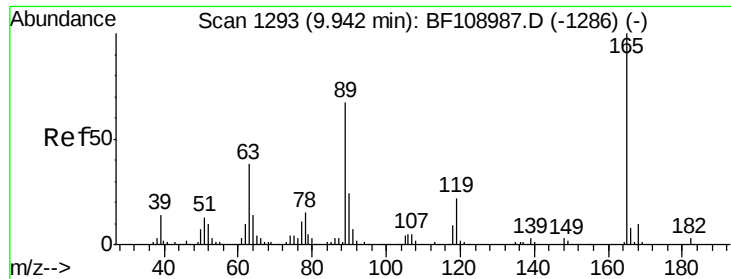
#54
Dibenzofuran
Concen: 2.953 ng
RT: 9.95 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF109090.D
Acq: 18 Sep 2018 11:17

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.8	30.1	45.1
169	12.9	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

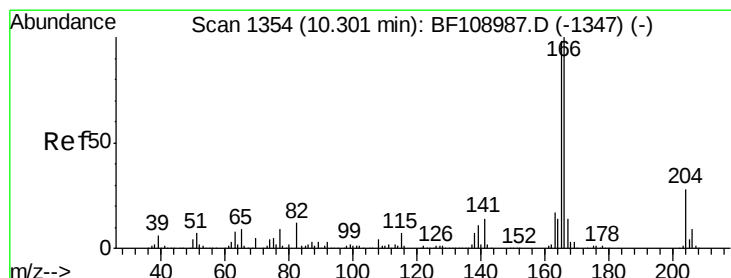
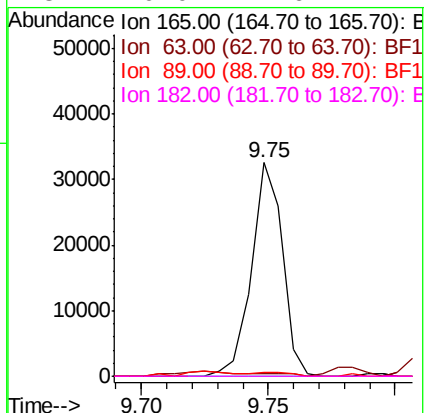
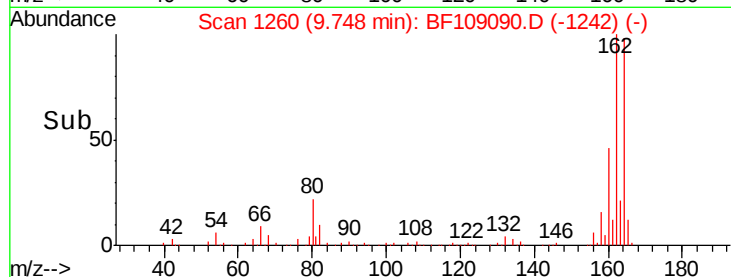
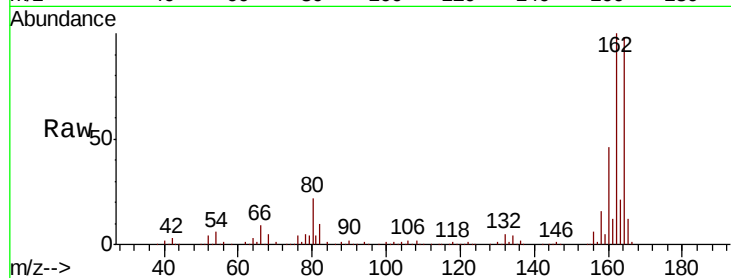




#56
2,4-Dinitrotoluene
Concen: 6.241 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.19 min
Lab File: BF109090.D
Acq: 18 Sep 2018 11:17

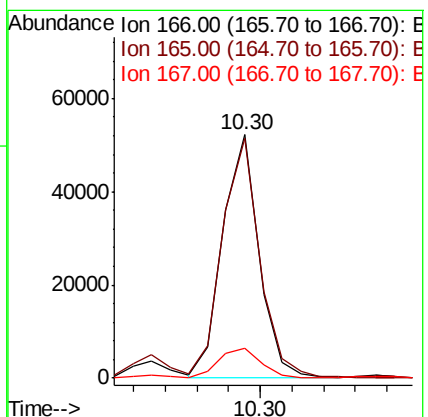
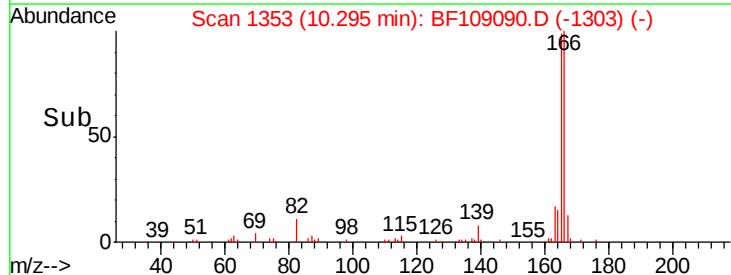
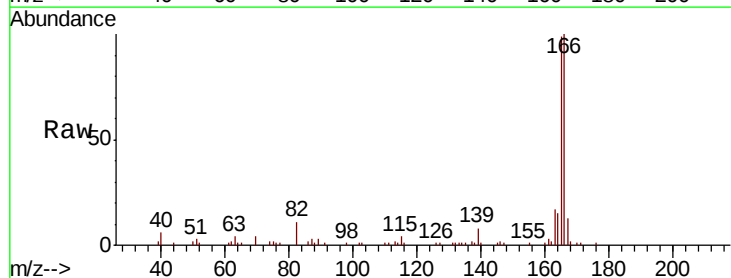
Instrument :
BNA_F
ClientSampled :

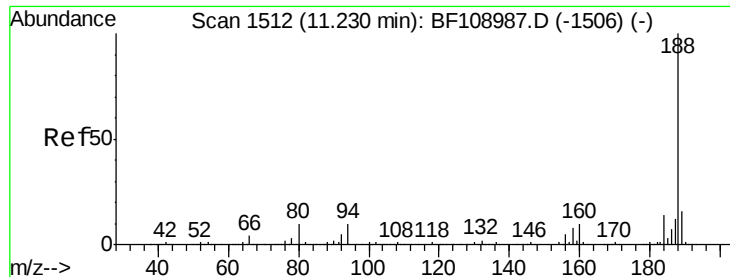
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#57
Fluorene
Concen: 3.327 ng
RT: 10.30 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF109090.D
Acq: 18 Sep 2018 11:17

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.6	79.8	119.8
167	12.5	10.6	16.0

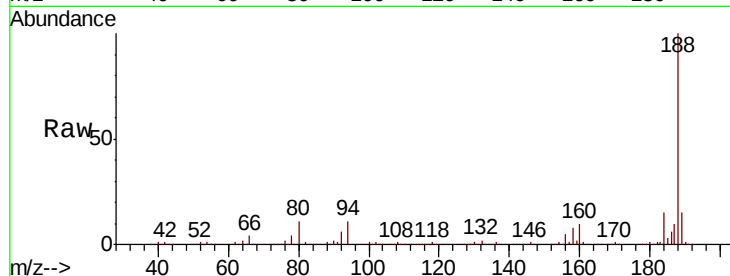




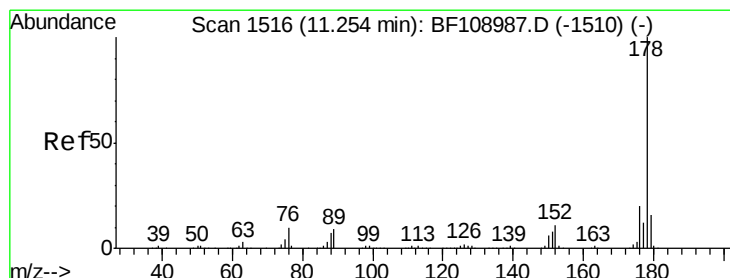
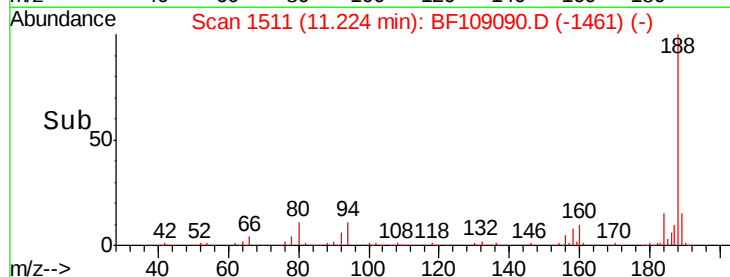
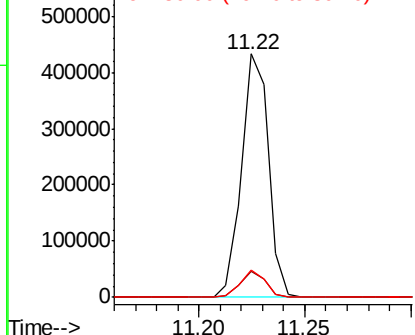
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BF109090.D
 Acq: 18 Sep 2018 11:17

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 382486
 Ion Ratio Lower Upper
 188 100
 94 10.8 8.5 12.7
 80 11.1 9.2 13.8

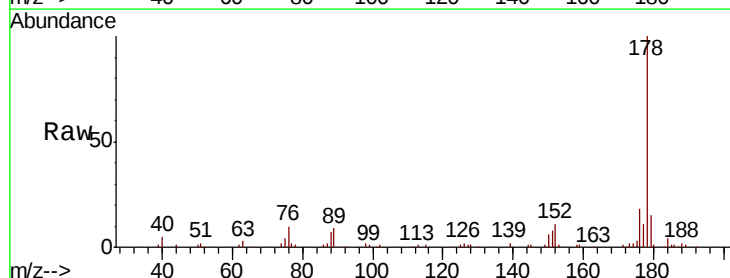


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

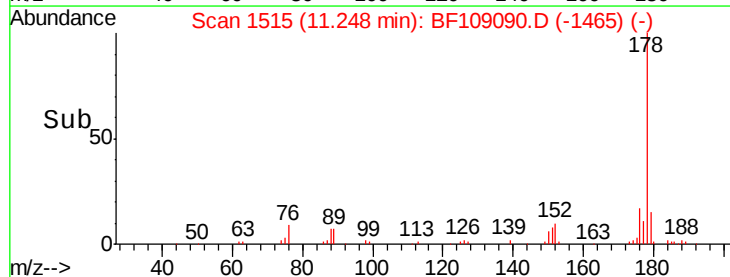
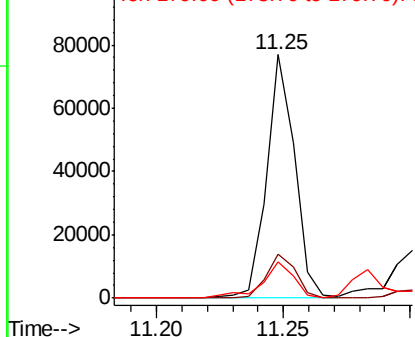


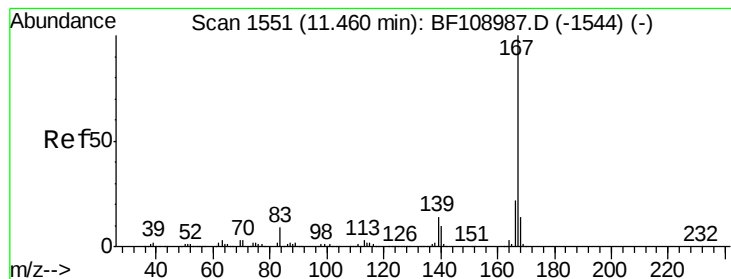
#70
 Phenanthrene
 Concen: 3.201 ng
 RT: 11.25 min Scan# 1515
 Delta R.T. -0.01 min
 Lab File: BF109090.D
 Acq: 18 Sep 2018 11:17

Tgt Ion:178 Resp: 60008
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.8 23.8
 179 14.9 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: 8.767 ng

RT: 11.45 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BF109090.D

Acq: 18 Sep 2018 11:17

Instrument :

BNA_F

ClientSampleId :

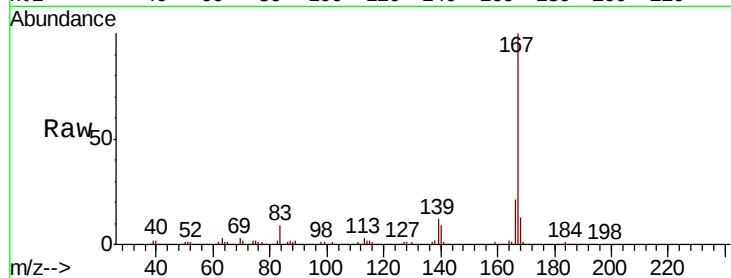
Tot Ion:167 Resp: 164951

Ion Ratio Lower Upper

167 100

166 20.8 17.6 26.4

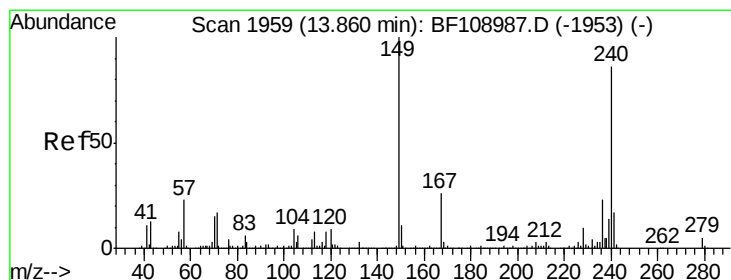
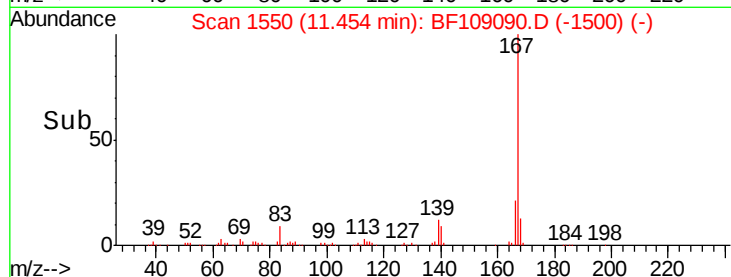
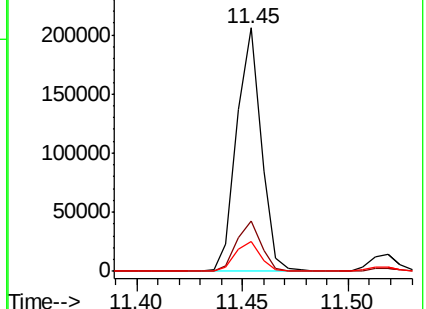
139 12.1 10.9 16.3



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: 13.85 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BF109090.D

Acq: 18 Sep 2018 11:17

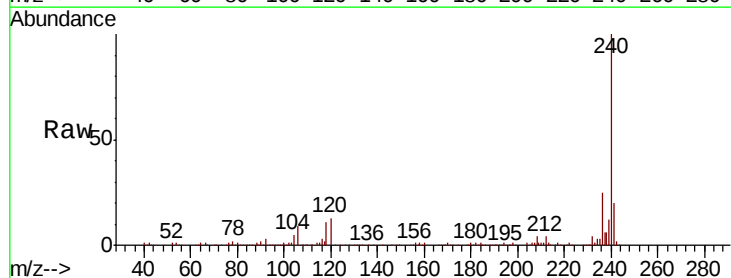
Tgt Ion:240 Resp: 358343

Ion Ratio Lower Upper

240 100

120 13.1 9.5 14.3

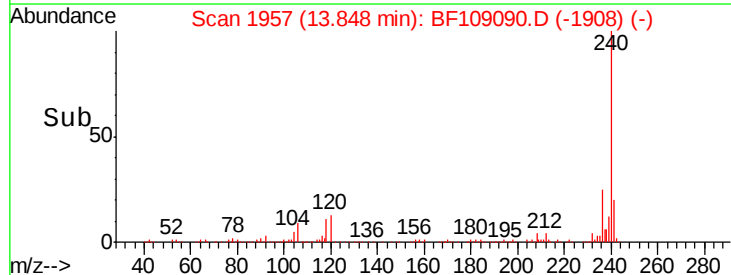
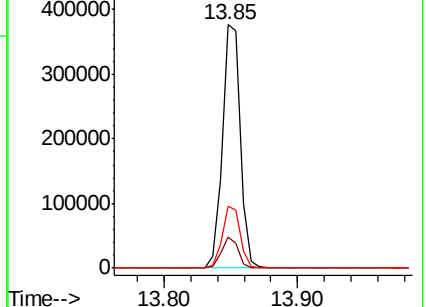
236 25.3 20.7 31.1

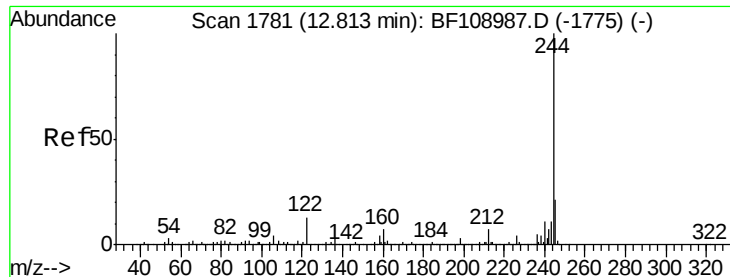


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

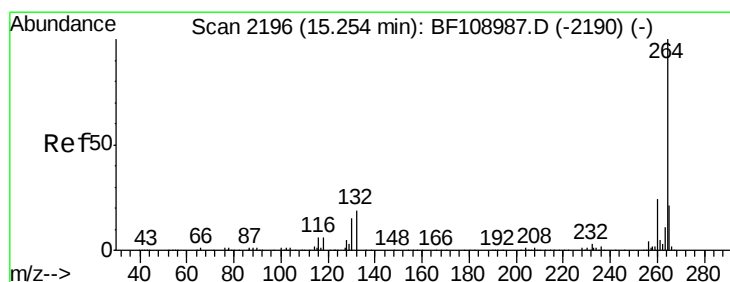
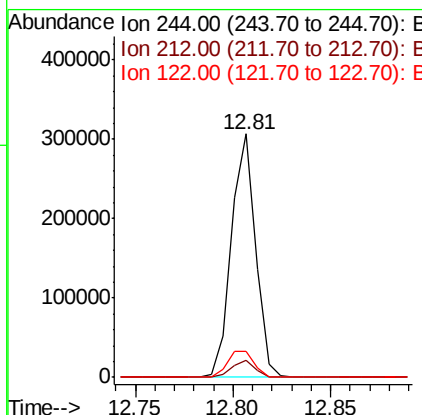
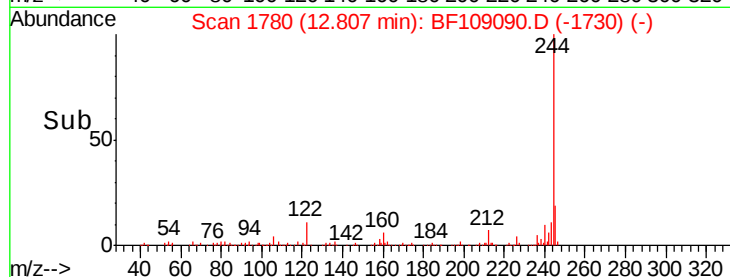
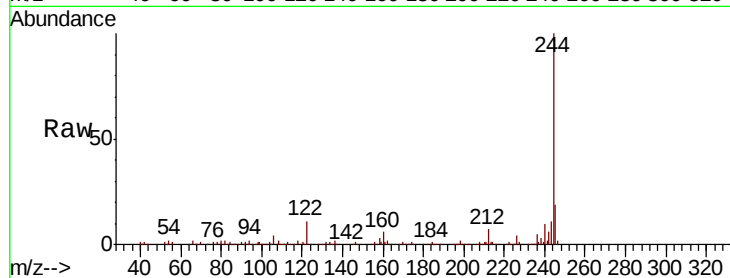




#78
 Terphenyl-d14
 Concen: 17.448 ng
 RT: 12.81 min Scan# 1780
 Delta R.T. -0.01 min
 Lab File: BF109090.D
 Acq: 18 Sep 2018 11:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.8	11.0	16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.25 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: BF109090.D
 Acq: 18 Sep 2018 11:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.9	17.5	26.3

