

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099418.D
 Acq On : 13 Oct 2017 2:06
 Operator : SJ/JU
 Sample : I5779-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 13 04:38:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	119844	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	456906	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	171575	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	255790	20.00	ng	0.00
75) Chrysene-d12	14.02	240	211699	20.00	ng	0.00
86) Perylene-d12	15.50	264	144702	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	822644	109.27	ng	0.01
7) Phenol-d6	6.49	99	960952	103.47	ng	0.00
23) Nitrobenzene-d5	7.42	82	572331	80.33	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	139460	99.33	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	922111	89.72	ng	0.00
78) Terphenyl-d14	12.96	244	651910	70.03	ng	0.00

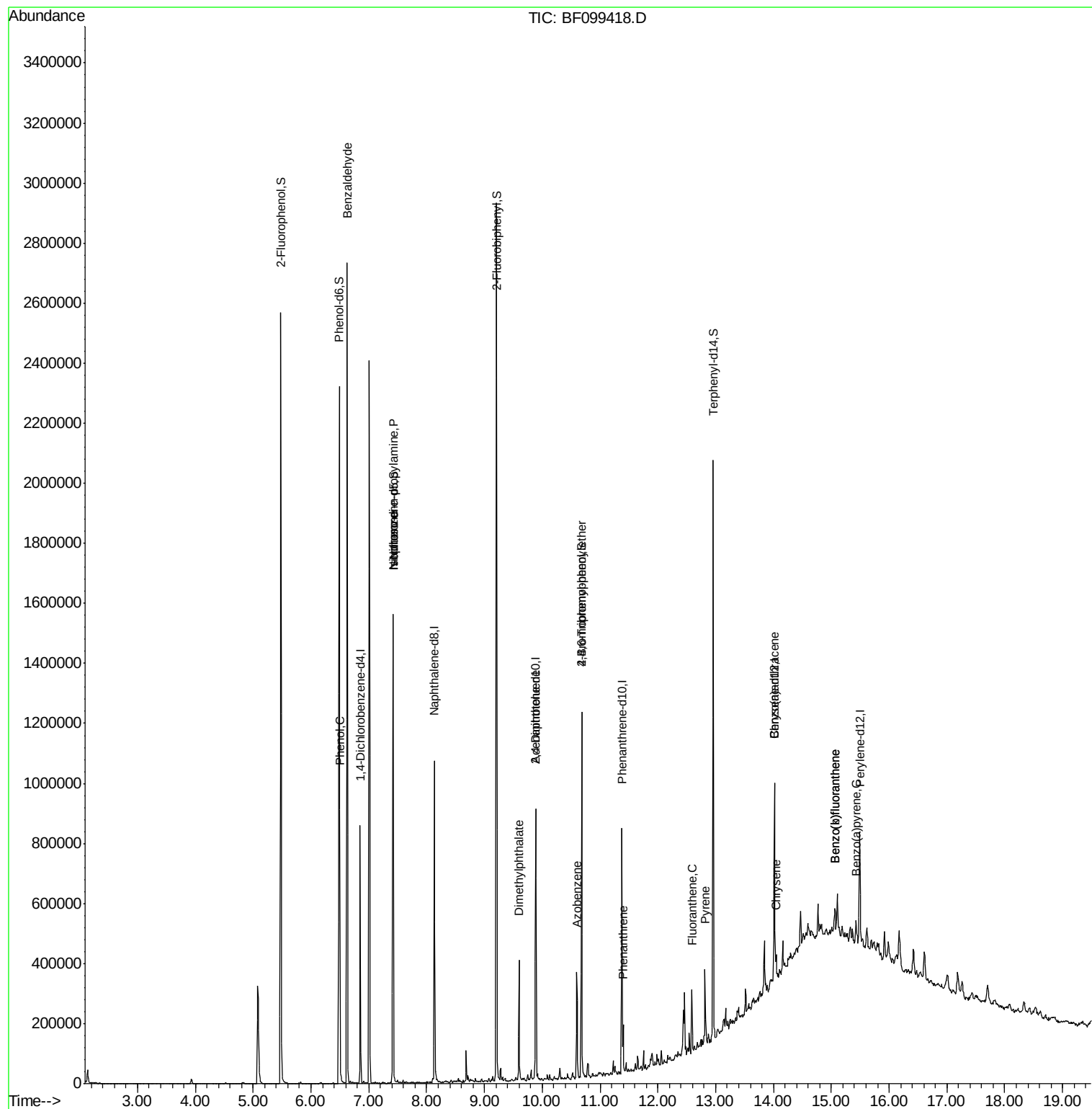
Target Compounds						Qvalue
9) Benzaldehyde	6.63	77	16226	3.01	ng	88
10) Phenol	6.50	94	56913	5.48	ng	92
19) n-Nitroso-di-n-propylamine	7.42	70	74191	12.51	ng	# 73
25) Isophorone	7.42	82	572327	38.85	ng	# 64
49) Dimethylphthalate	9.60	163	151364	11.69	ng	100
56) 2,4-Dinitrotoluene	9.89	165	21480	5.87	ng	# 23
62) Azobenzene	10.60	77	59978	5.16	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	9331	3.73	ng	# 1
70) Phenanthrene	11.40	178	53444	3.90	ng	98
74) Fluoranthene	12.59	202	82748	5.97	ng	96
77) Pyrene	12.82	202	82480	5.11	ng	99
80) Benzo(a)anthracene	14.01	228	33084	2.58	ng	# 92
82) Chrysene	14.04	228	33734	2.76	ng	# 93
87) Benzo(b)fluoranthene	15.06	252	42386	4.76	ng	# 54
88) Benzo(k)fluoranthene	15.06	252	42386	4.82	ng	# 58
89) Benzo(a)pyrene	15.43	252	20776	2.54	ng	# 70

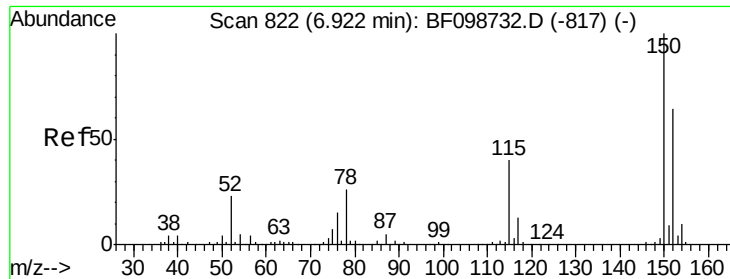
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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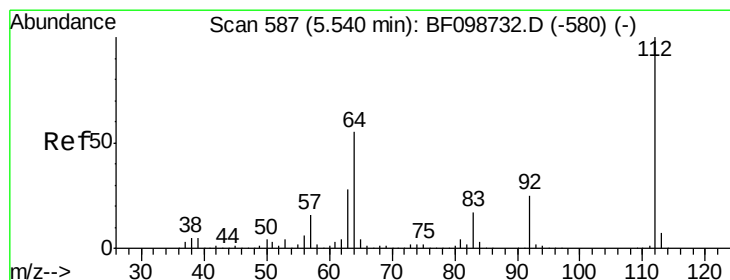
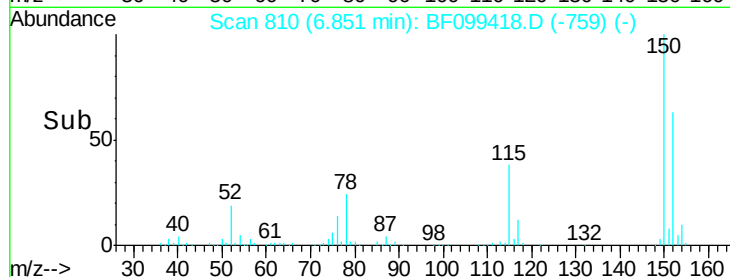
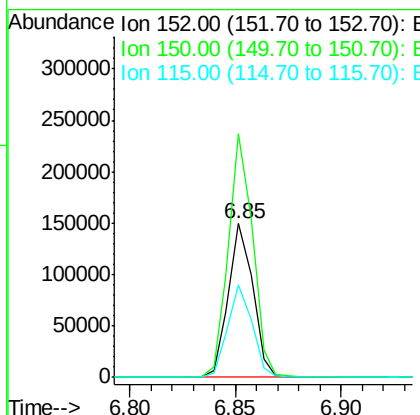
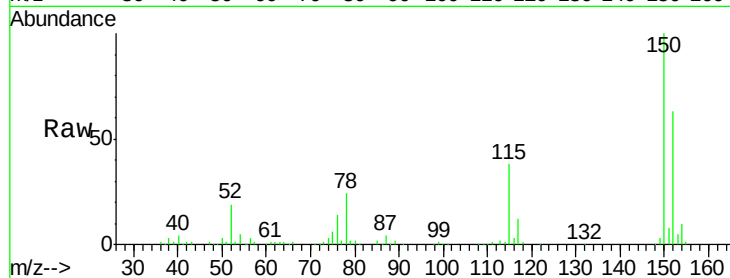




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF099418.D
 Acq: 13 Oct 2017 2:06

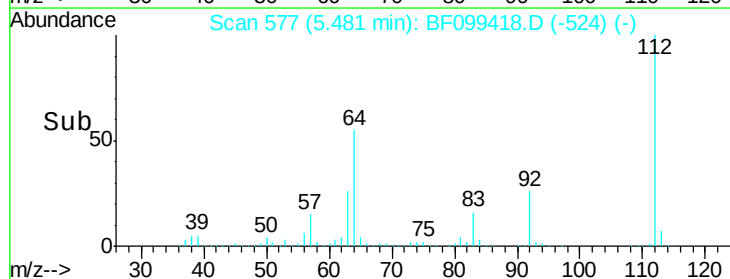
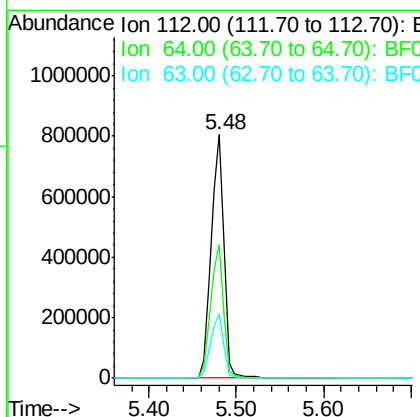
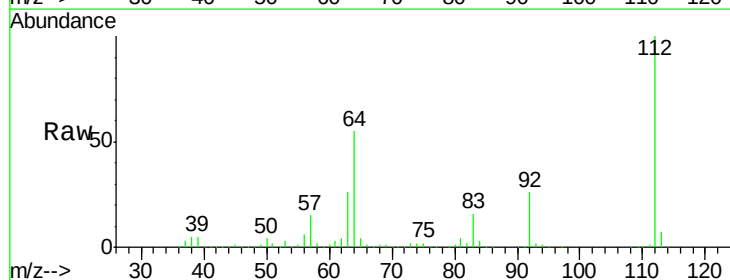
Instrument :
 BNA_F
 ClientSampleId :

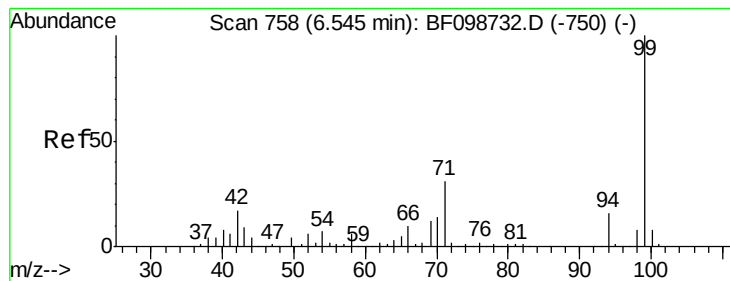
Tot Ion:152 Resp: 119844
 Ion Ratio Lower Upper
 152 100
 150 158.6 124.6 186.8
 115 60.4 50.1 75.1



#5
 2-Fluorophenol
 Concen: 109.27 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: BF099418.D
 Acq: 13 Oct 2017 2:06

Tgt Ion:112 Resp: 822644
 Ion Ratio Lower Upper
 112 100
 64 54.6 47.9 71.9
 63 26.4 23.7 35.5





#7

Phenol-d6

Concen: 103.47 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF099418.D

Acq: 13 Oct 2017 2:06

Instrument :

BNA_F

ClientSampled :

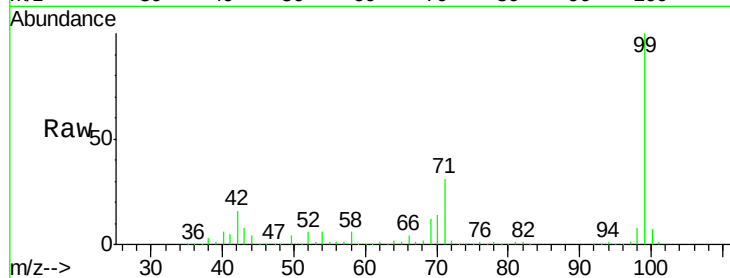
Tot Ion: 99 Resp: 960952

Ion Ratio Lower Upper

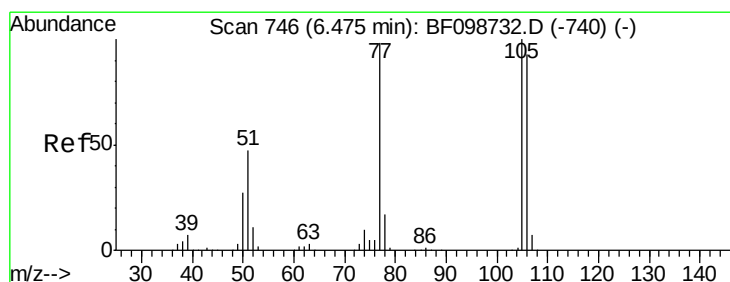
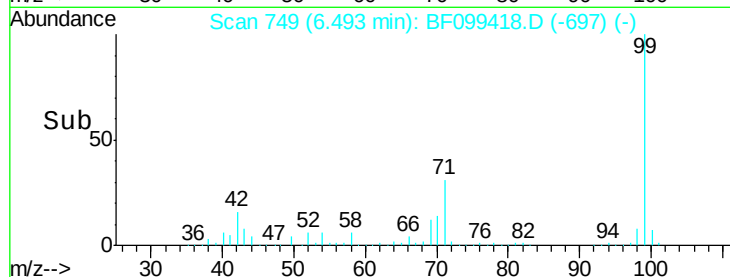
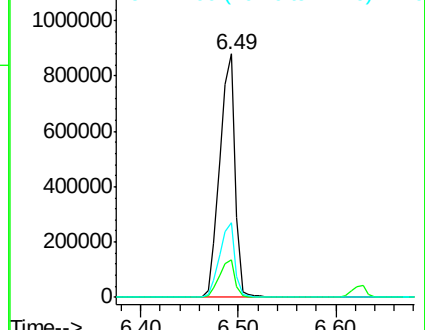
99 100

42 15.5 14.5 21.7

71 30.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.01 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.22 min

Lab File: BF099418.D

Acq: 13 Oct 2017 2:06

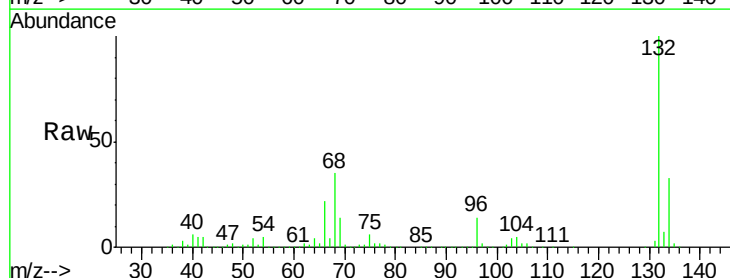
Tgt Ion: 77 Resp: 16226

Ion Ratio Lower Upper

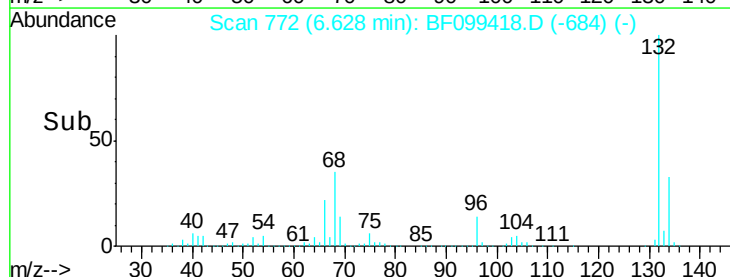
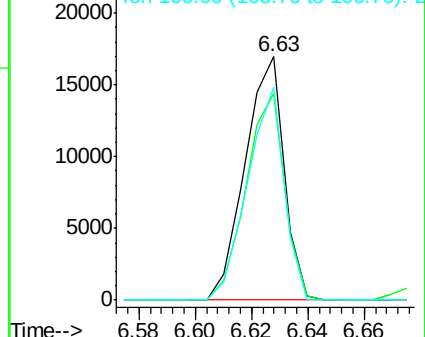
77 100

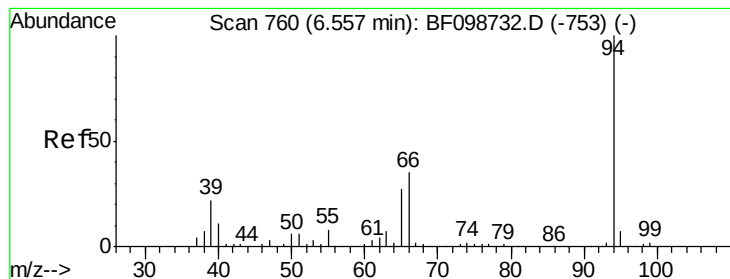
105 84.9 81.1 121.1

106 87.6 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

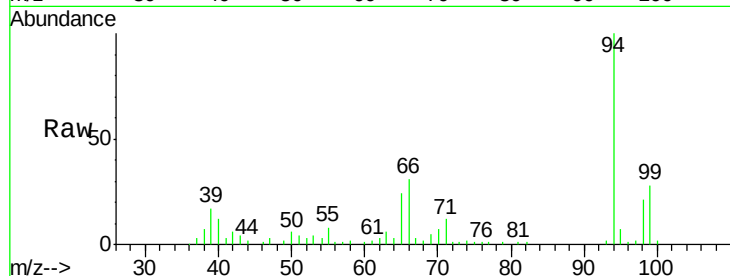




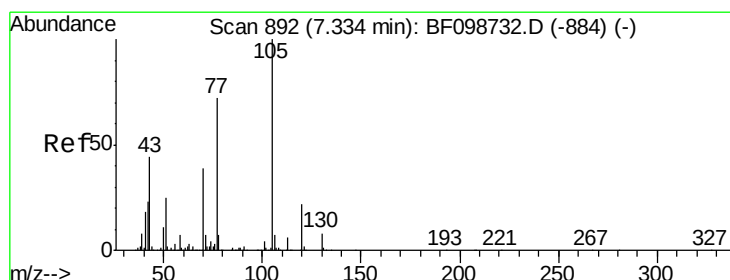
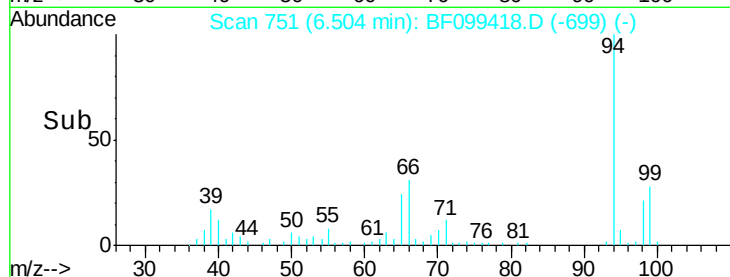
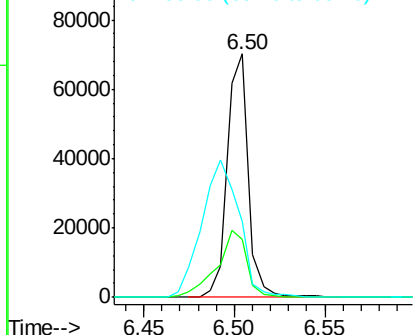
#10
Phenol
Concen: 5.48 ng
RT: 6.50 min Scan# 751
Delta R.T. 0.01 min
Lab File: BF099418.D
Acq: 13 Oct 2017 2:06

Instrument :
BNA_F
ClientSampled :

Tot Ion: 94 Resp: 56913
Ion Ratio Lower Upper
94 100
65 24.0 7.9 47.9
66 31.0 16.2 56.2

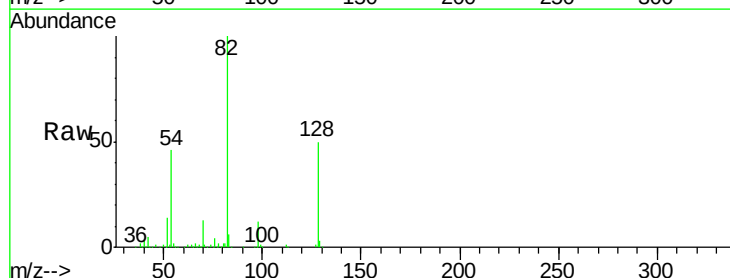


Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

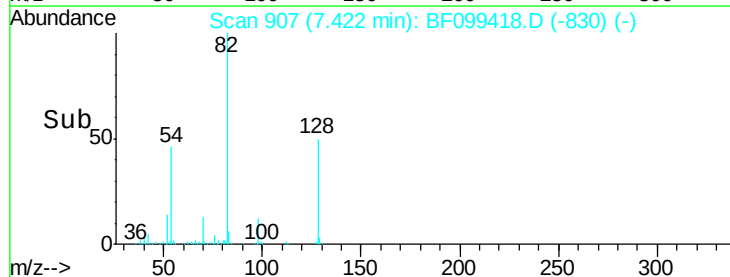
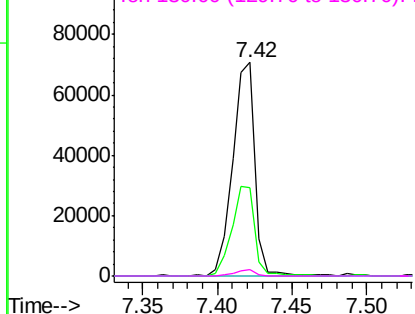


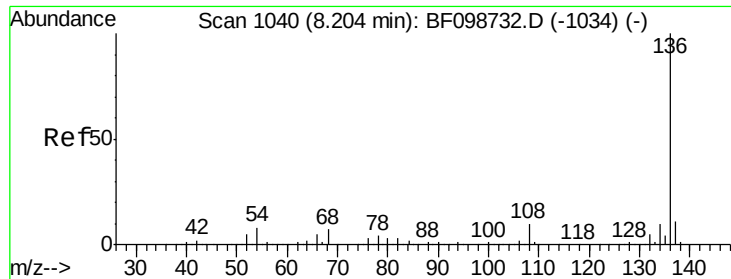
#19
n-Nitroso-di-n-propylamine
Concen: 12.51 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.15 min
Lab File: BF099418.D
Acq: 13 Oct 2017 2:06

Tgt Ion: 70 Resp: 74191
Ion Ratio Lower Upper
70 100
42 41.5 47.5 71.3#
101 0.0 7.4 11.2#
130 2.7 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0

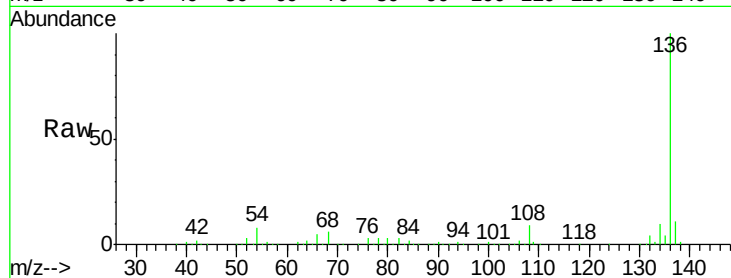




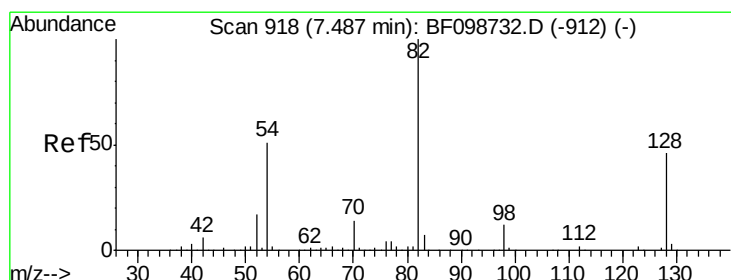
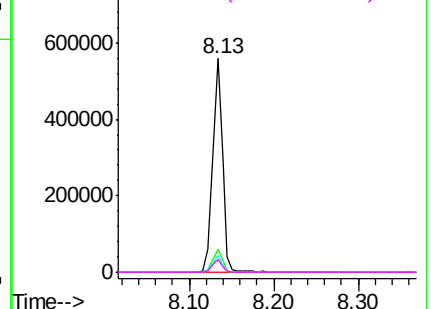
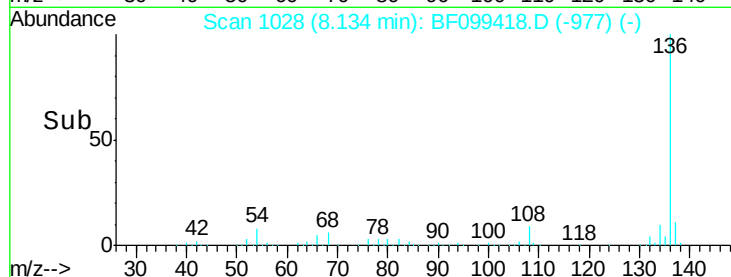
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF099418.D
Acq: 13 Oct 2017 2:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	456906
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	7.6	6.6 9.8
68	5.9	5.0 7.4

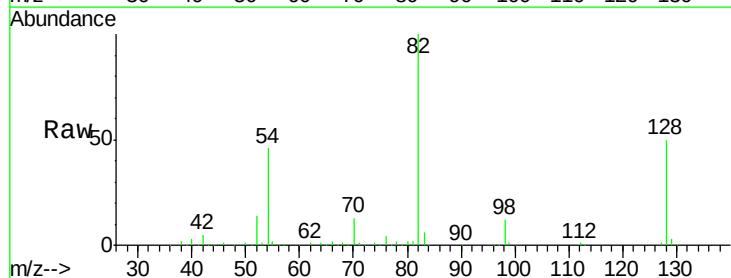


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

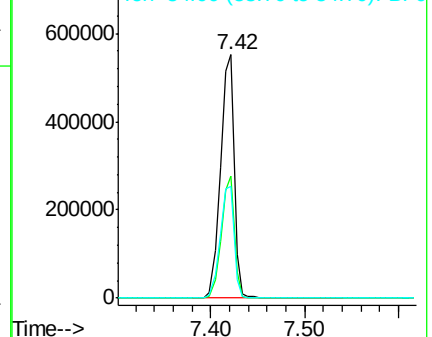
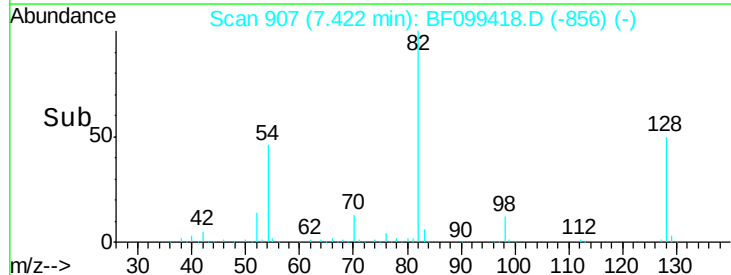


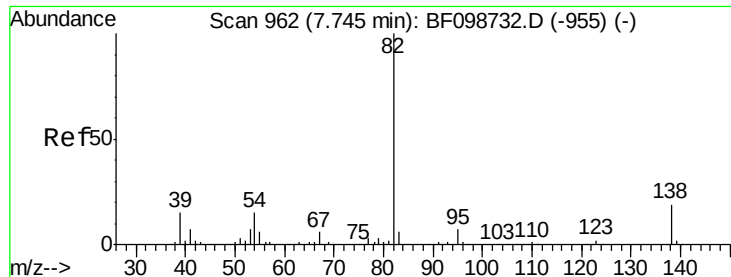
#23
Nitrobenzene-d5
Concen: 80.33 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.00 min
Lab File: BF099418.D
Acq: 13 Oct 2017 2:06

Tgt Ion: 82	Resp:	572331
Ion Ratio	Lower	Upper
82	100	
128	50.1	36.1 54.1
54	45.7	41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 38.85 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.25 min

Lab File: BF099418.D

Acq: 13 Oct 2017 2:06

Instrument :

BNA_F

ClientSampleId :

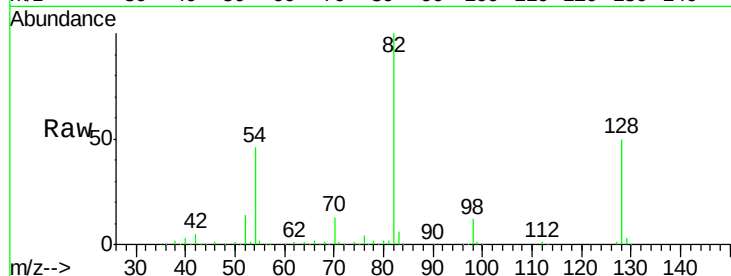
Tot Ion: 82 Resp: 572327

Ion Ratio Lower Upper

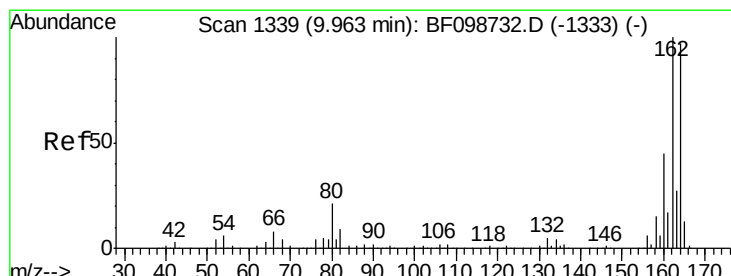
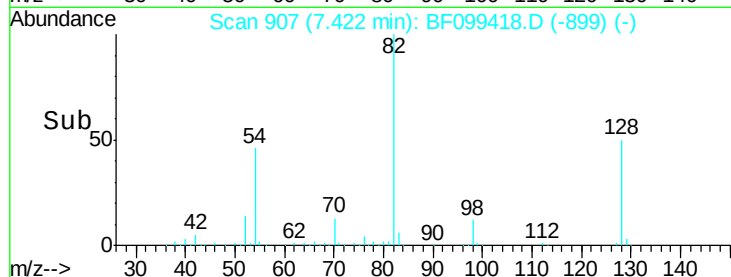
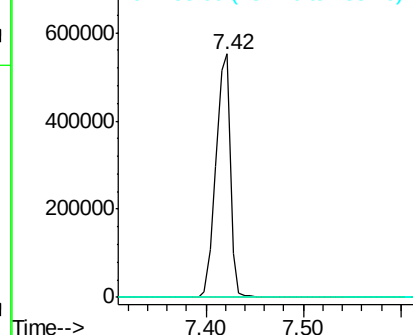
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF099418.D

Acq: 13 Oct 2017 2:06

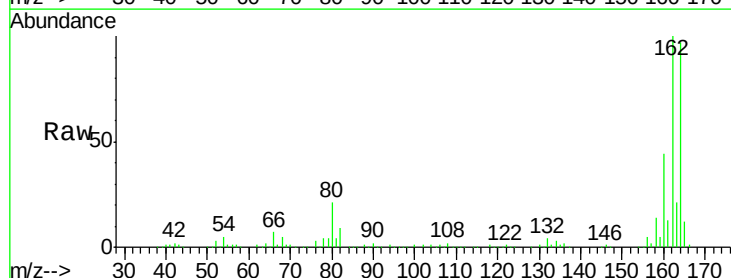
Tgt Ion:164 Resp: 171575

Ion Ratio Lower Upper

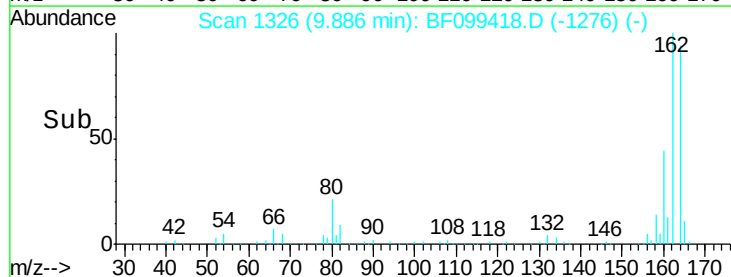
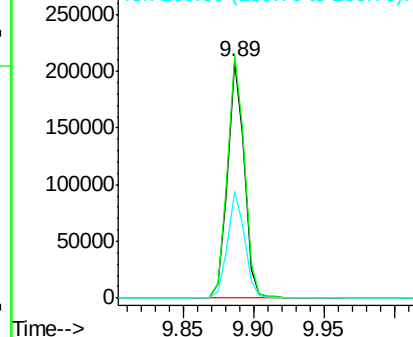
164 100

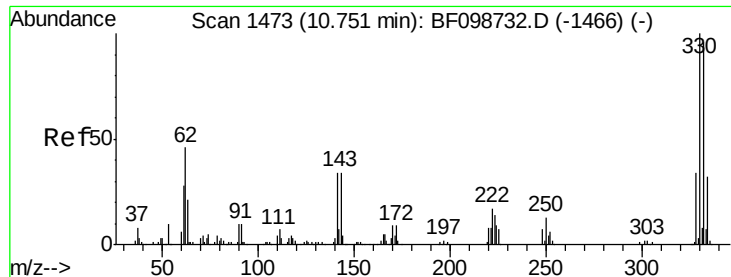
162 103.0 86.1 129.1

160 45.4 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

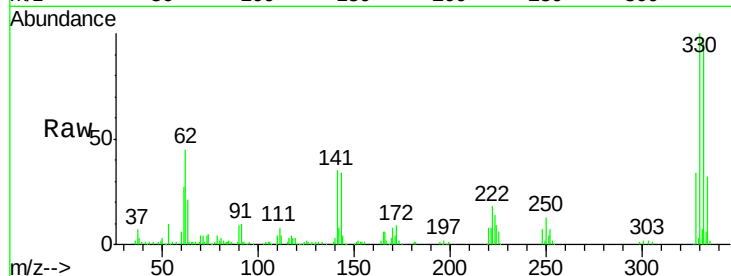




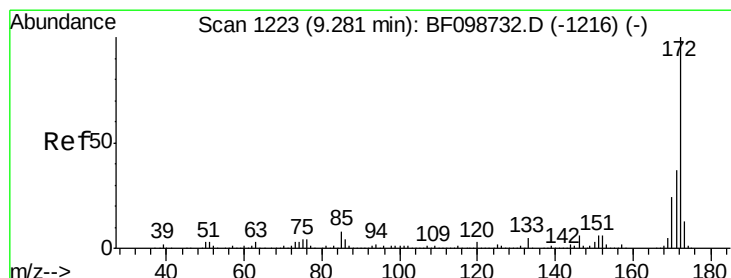
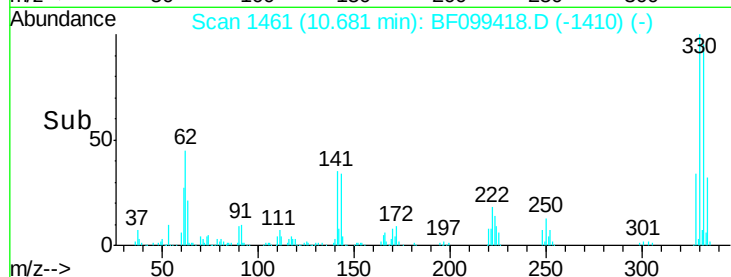
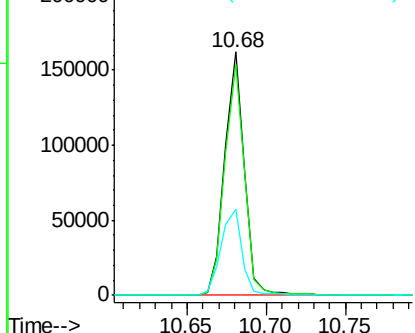
#41
 2,4,6-Tribromophenol
 Concen: 99.33 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: BF099418.D
 Acq: 13 Oct 2017 2:06

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	38.5	29.9	44.9

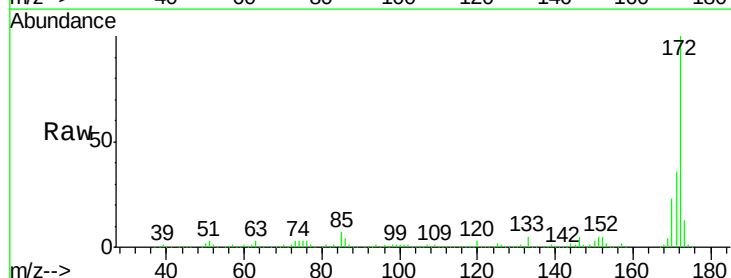


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

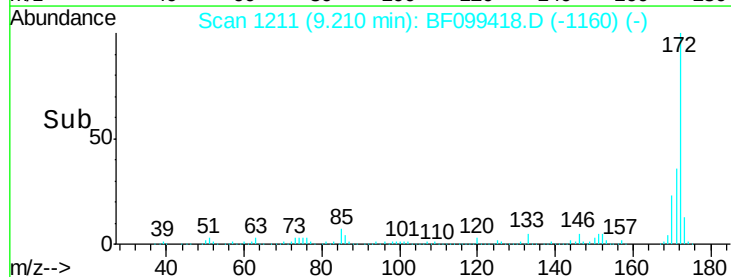
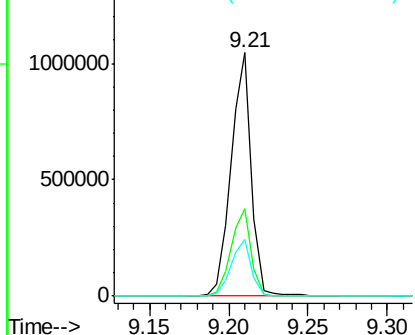


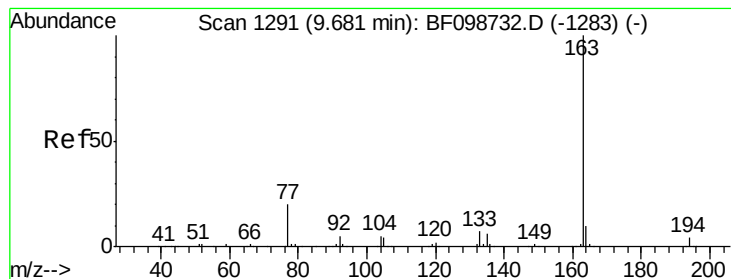
#44
 2-Fluorobiphenyl
 Concen: 89.72 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF099418.D
 Acq: 13 Oct 2017 2:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.4	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





#49

Dimethylphthalate

Concen: 11.69 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF099418.D

Acq: 13 Oct 2017 2:06

Instrument :

BNA_F

ClientSampleId :

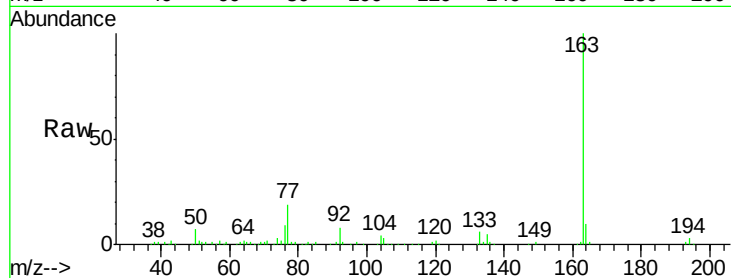
Tot Ion:163 Resp: 151364

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

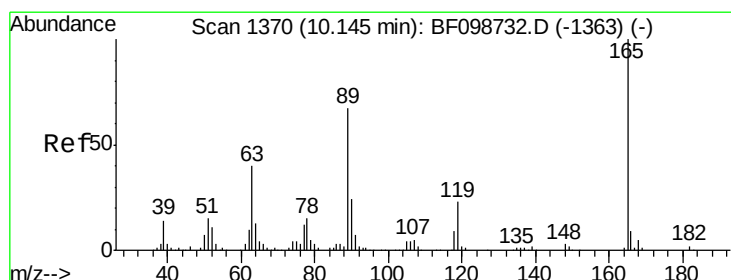
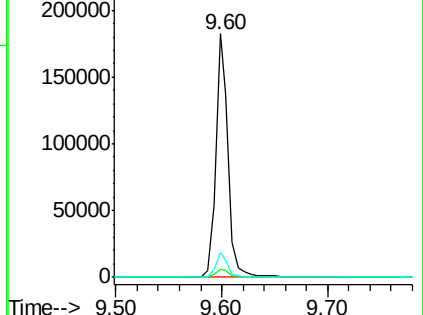
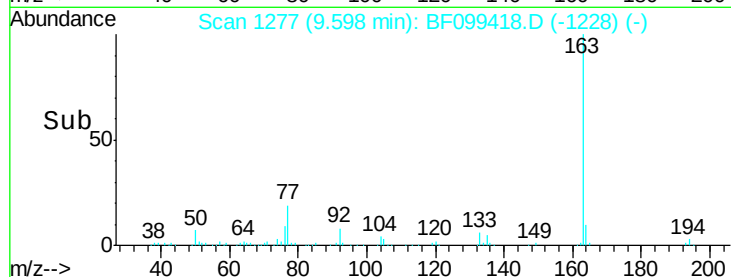
164 10.0 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 5.87 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.20 min

Lab File: BF099418.D

Acq: 13 Oct 2017 2:06

Tgt Ion:165 Resp: 21480

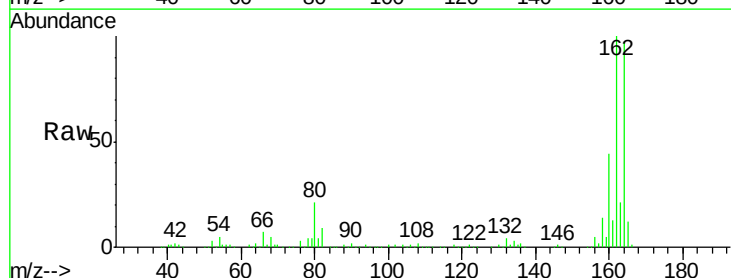
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

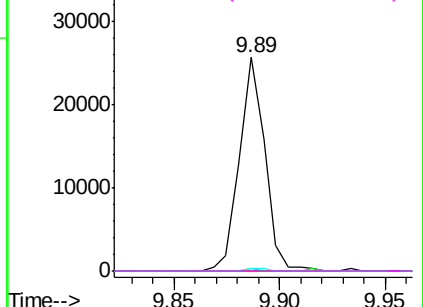
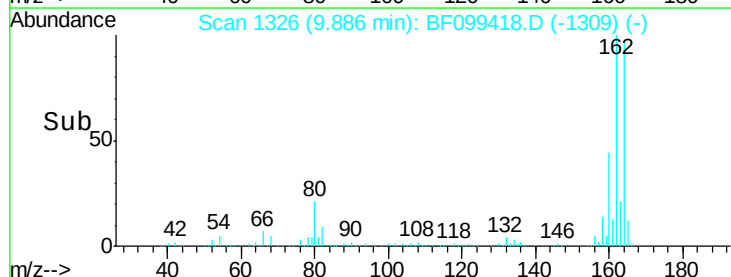


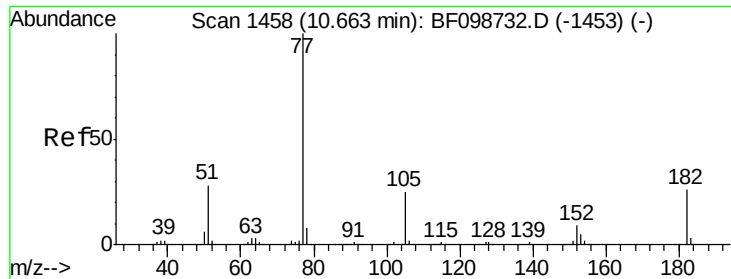
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

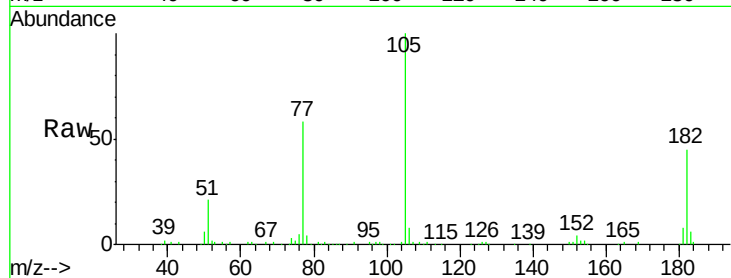




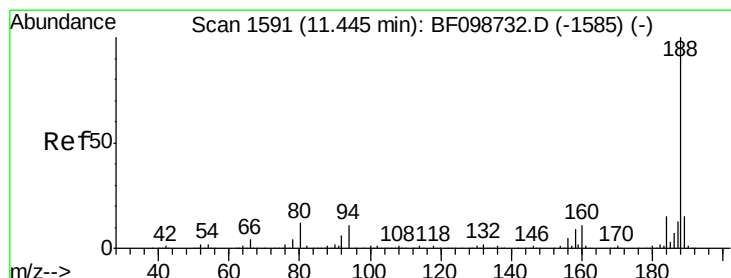
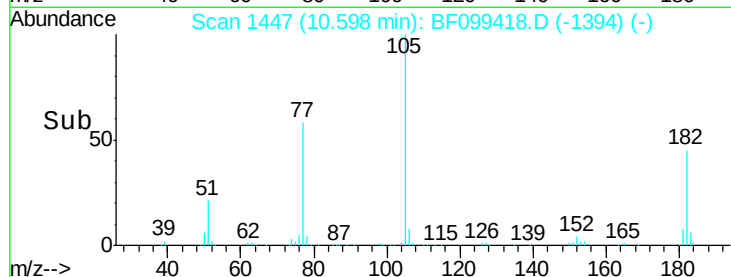
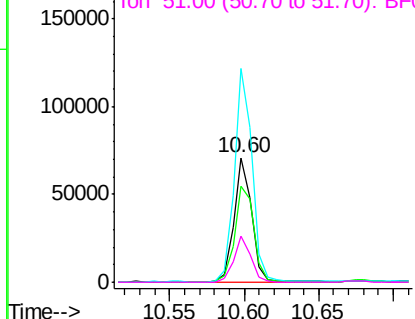
#62
Azobenzene
Concen: 5.16 ng
RT: 10.60 min Scan# 1447
Delta R.T. 0.01 min
Lab File: BF099418.D
Acq: 13 Oct 2017 2:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
77	100		
182	77.7	1.7	41.7#
105	171.7	3.0	43.0#
51	36.7	9.9	49.9

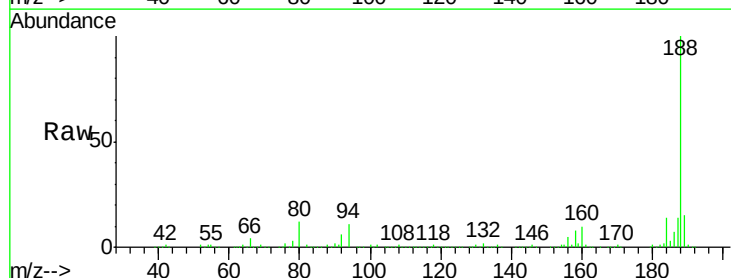


Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

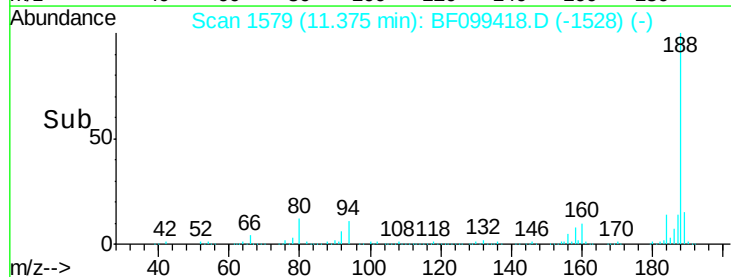
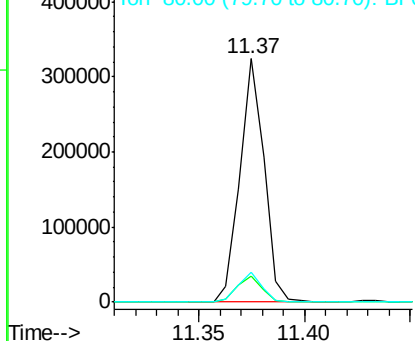


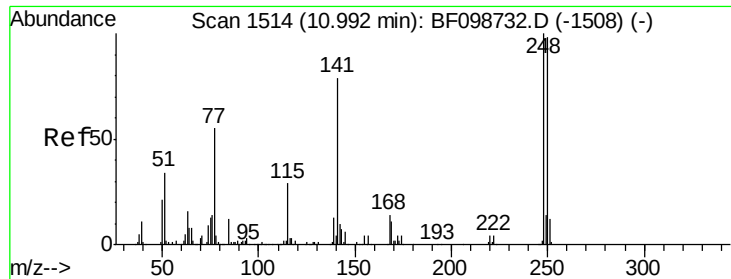
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF099418.D
Acq: 13 Oct 2017 2:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.5	12.7
80	12.2	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

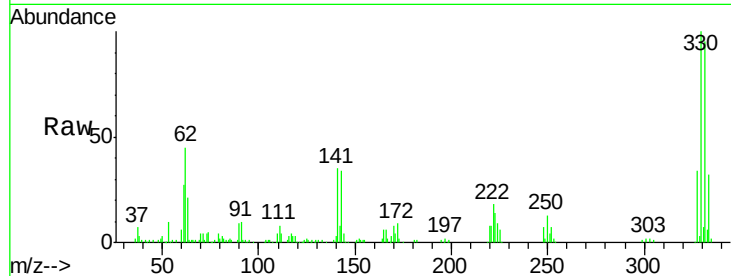




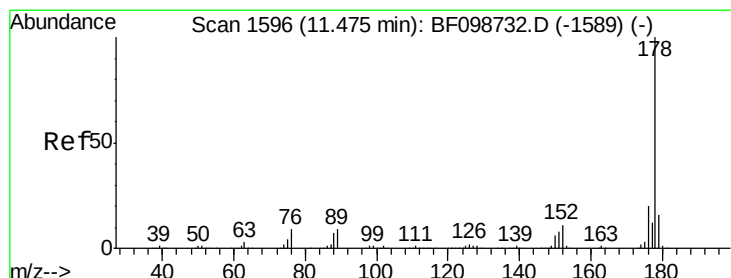
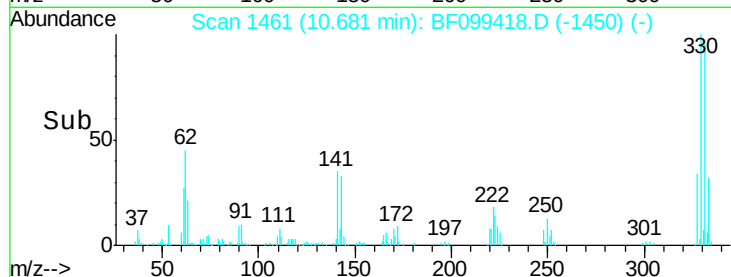
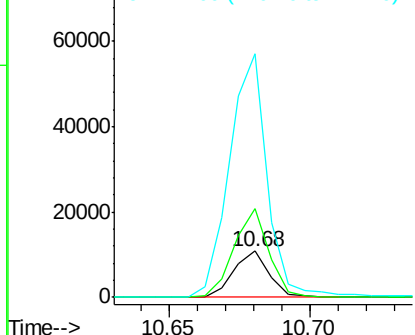
#66
4-Bromophenyl-phenylether
Concen: 3.73 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.24 min
Lab File: BF099418.D
Acq: 13 Oct 2017 2:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9331
Ion Ratio Lower Upper
248 100
250 191.3 76.9 115.3#
141 524.6 74.4 111.6#

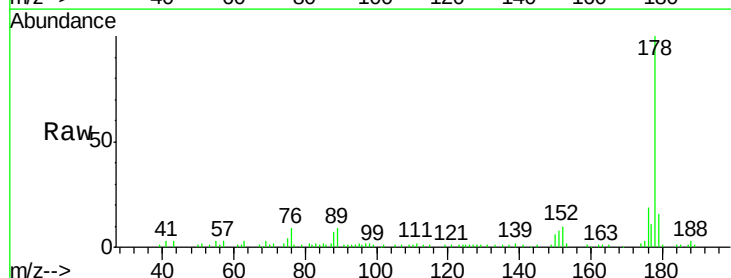


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

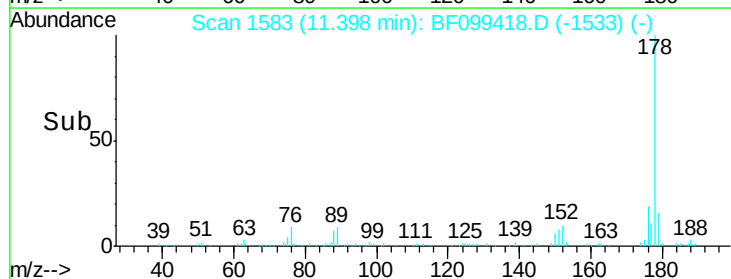
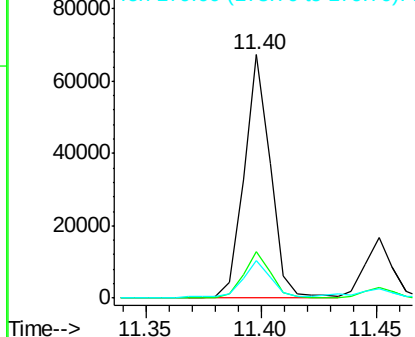


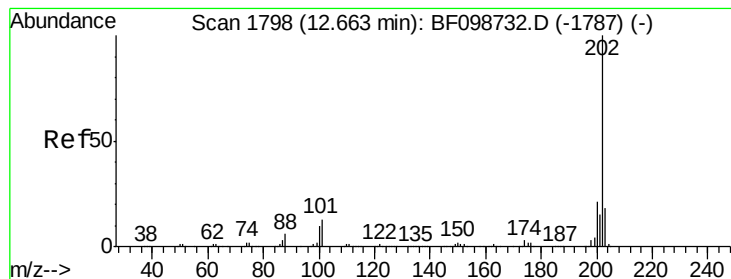
#70
Phenanthrene
Concen: 3.90 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF099418.D
Acq: 13 Oct 2017 2:06

Tgt Ion:178 Resp: 53444
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 15.6 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





#74

Fluoranthene

Concen: 5.97 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF099418.D

Acq: 13 Oct 2017 2:06

Instrument :

BNA_F

ClientSampled :

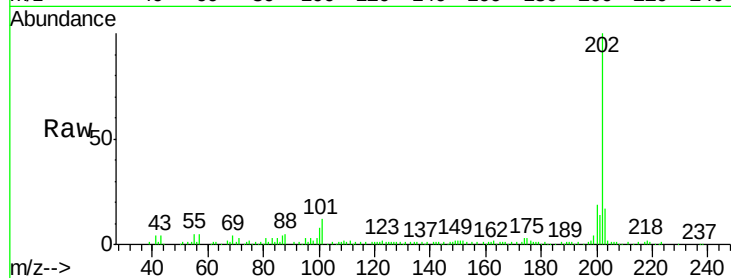
Tot Ion:202 Resp: 82748

Ion Ratio Lower Upper

202 100

101 11.5 0.0 34.1

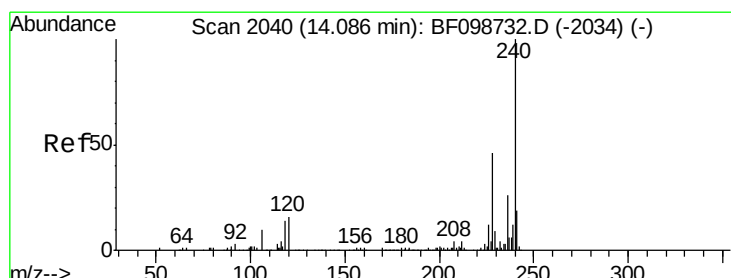
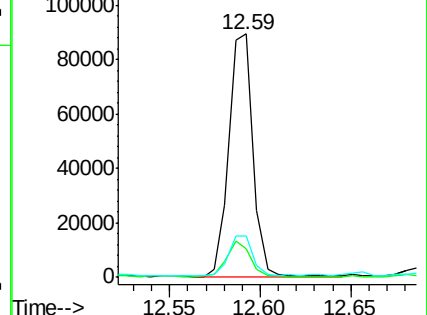
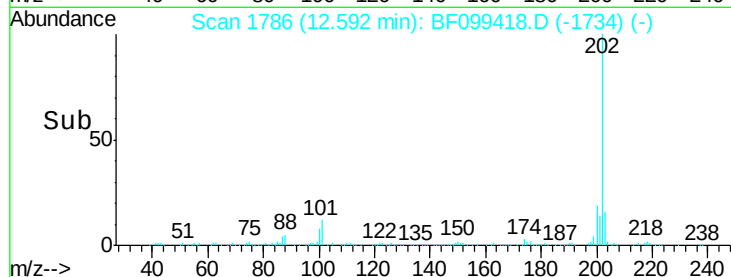
203 16.9 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF099418.D

Acq: 13 Oct 2017 2:06

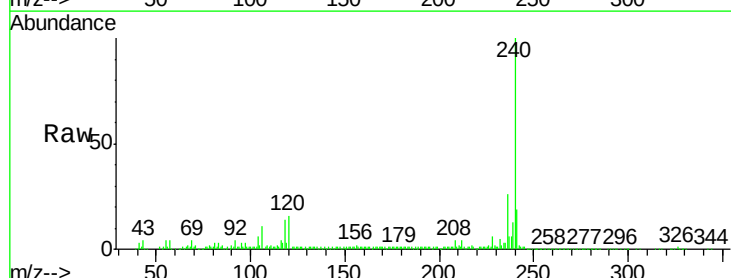
Tgt Ion:240 Resp: 211699

Ion Ratio Lower Upper

240 100

120 15.8 9.5 14.3#

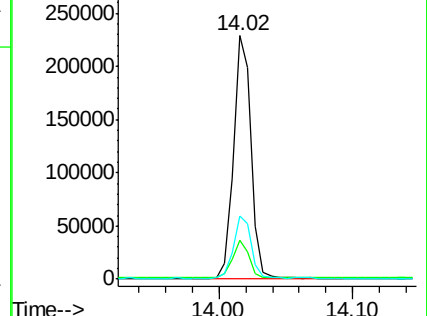
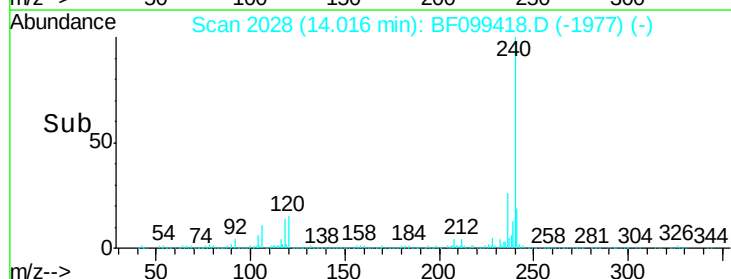
236 26.1 20.7 31.1

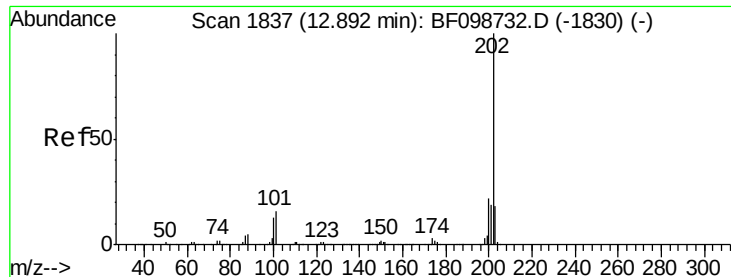


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.11 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF099418.D

Acq: 13 Oct 2017 2:06

Instrument :

BNA_F

ClientSampled :

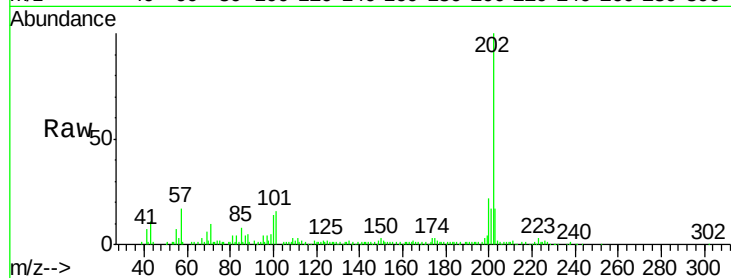
Tot Ion:202 Resp: 82480

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

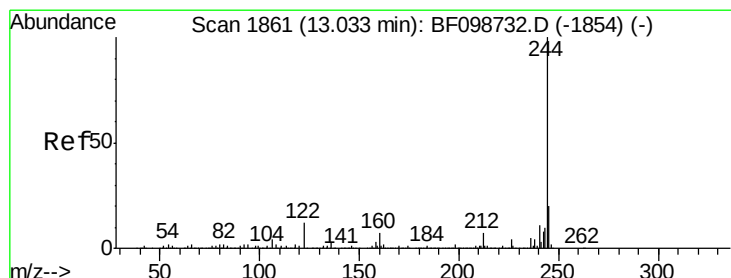
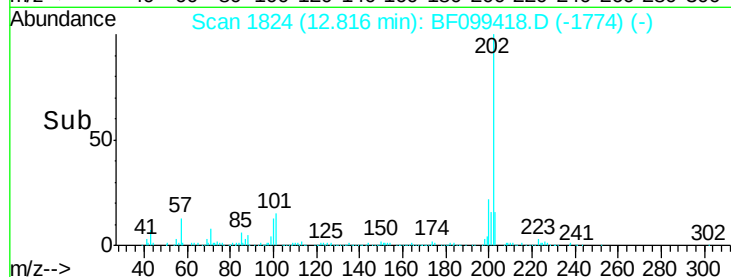
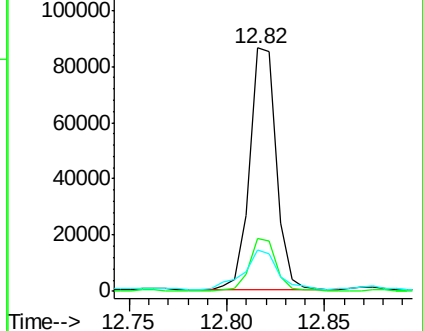
203 17.2 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 70.03 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BF099418.D

Acq: 13 Oct 2017 2:06

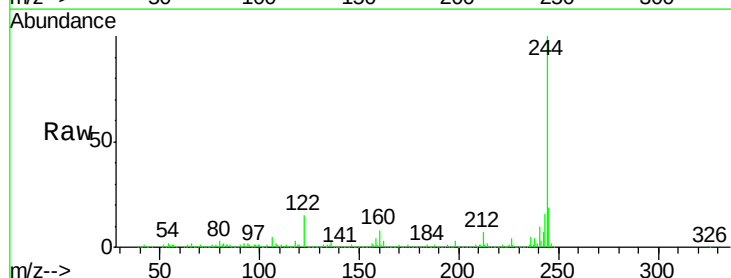
Tgt Ion:244 Resp: 651910

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

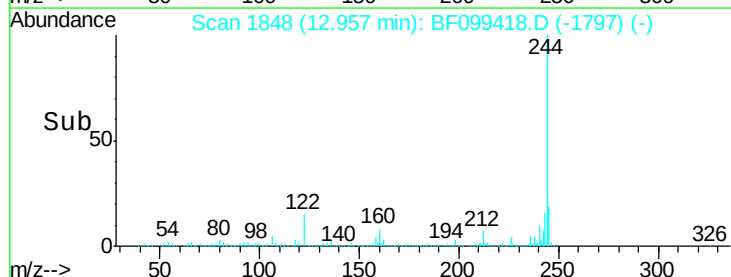
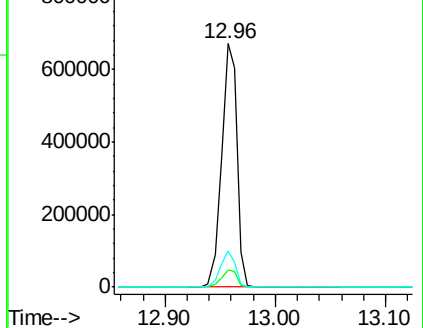
122 14.9 11.0 16.4

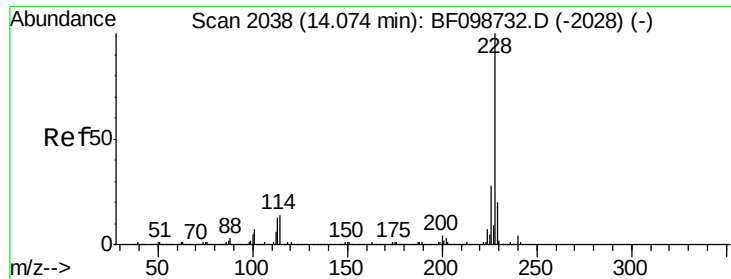


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

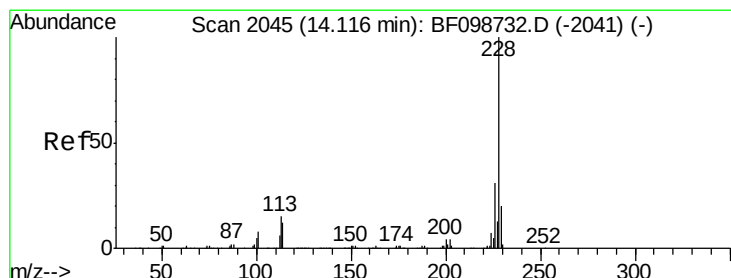
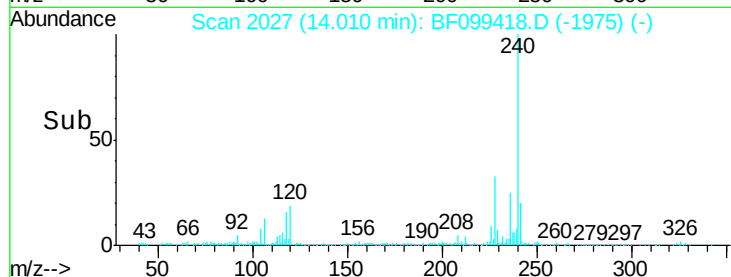
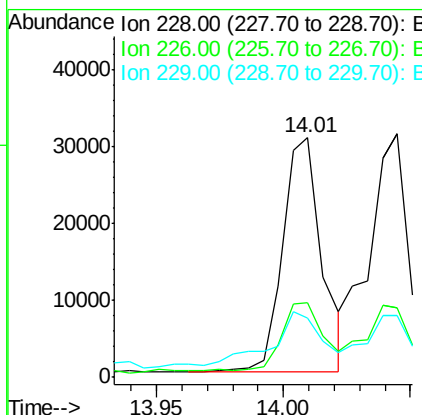
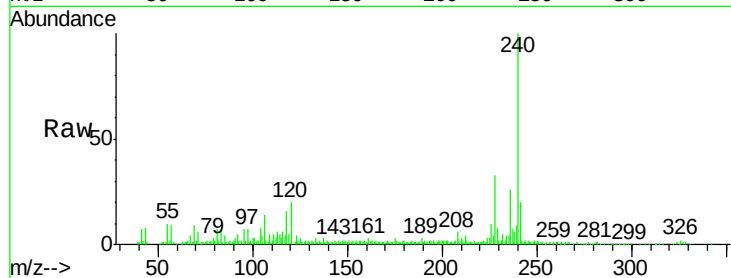




#80
Benzo(a)anthracene
Concen: 2.58 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BF099418.D
Acq: 13 Oct 2017 2:06

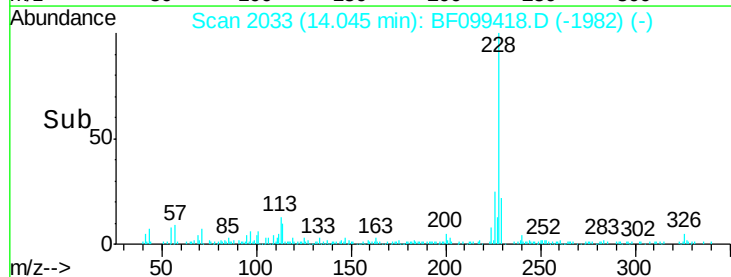
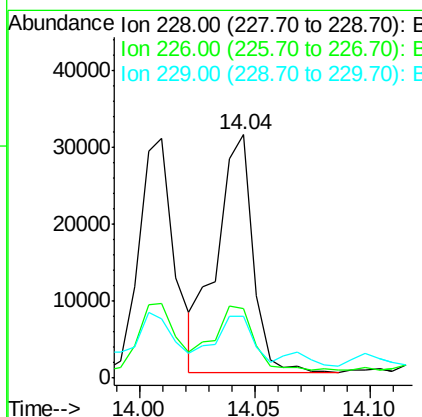
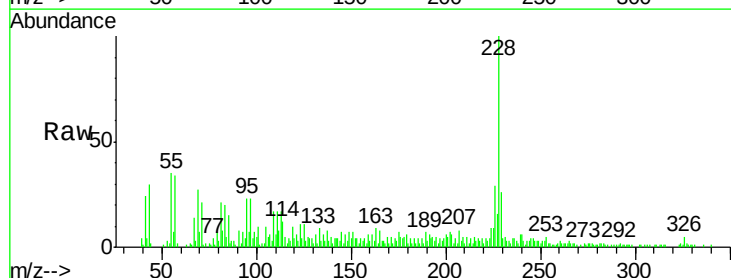
Instrument :
BNA_F
ClientSampleId :

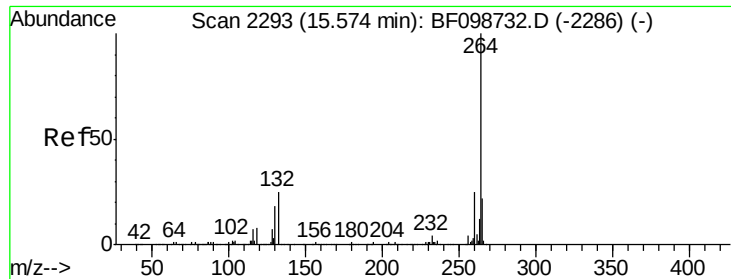
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.6	33.8
229	24.5	15.8	23.6



#82
Chrysene
Concen: 2.76 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BF099418.D
Acq: 13 Oct 2017 2:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	25.0	37.6
229	25.5	16.2	24.4

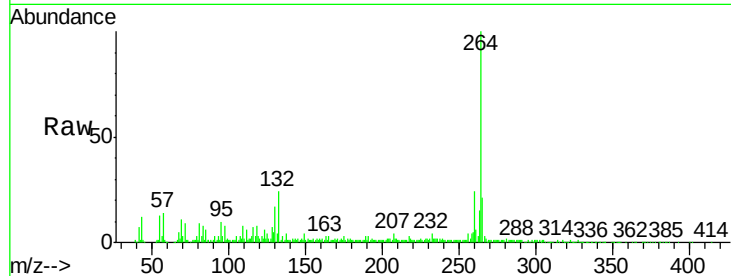




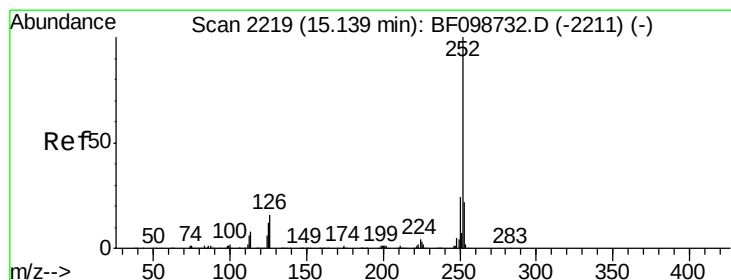
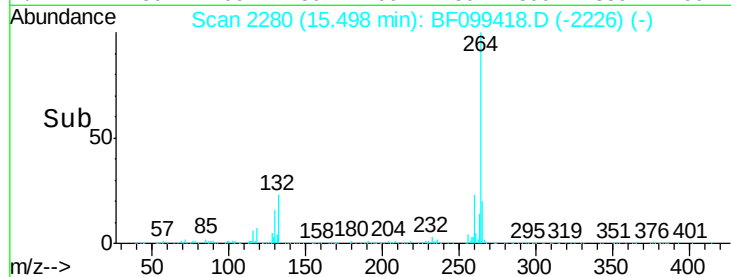
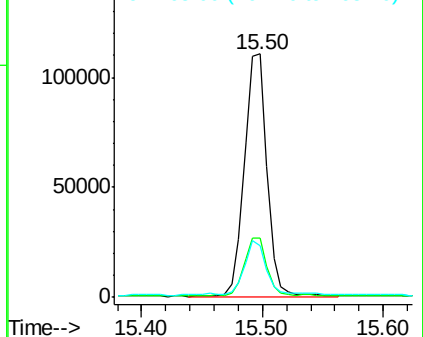
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.02 min
Lab File: BF099418.D
Acq: 13 Oct 2017 2:06

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 144702
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 21.0 17.5 26.3

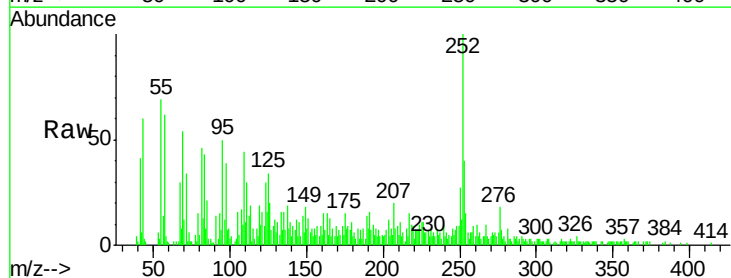


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

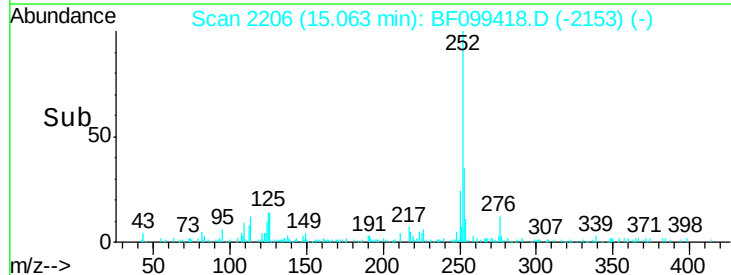
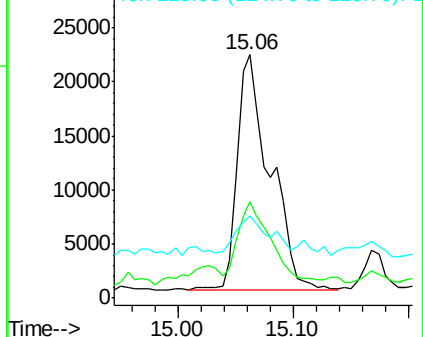


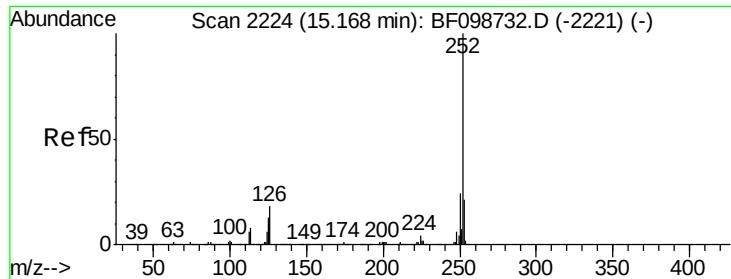
#87
Benzo(b)fluoranthene
Concen: 4.76 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF099418.D
Acq: 13 Oct 2017 2:06

Tgt Ion:252 Resp: 42386
Ion Ratio Lower Upper
252 100
253 39.5 17.0 25.6#
125 33.8 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

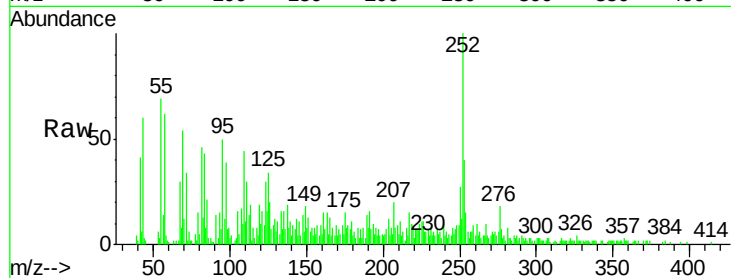




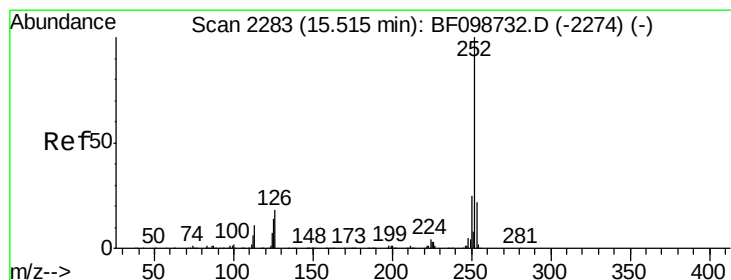
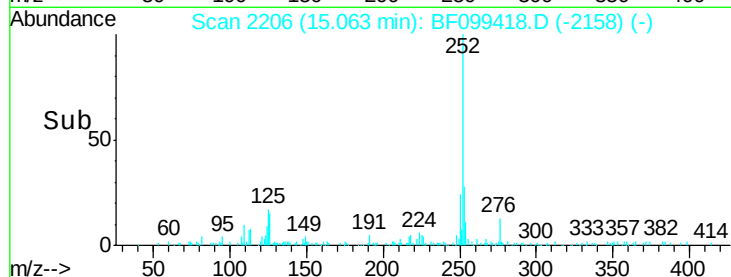
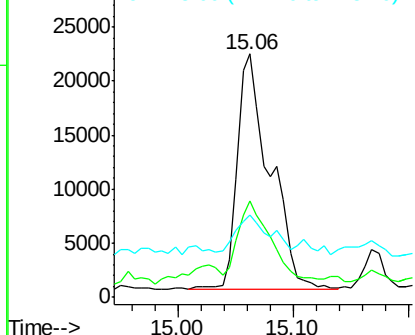
#88
Benzo(k)fluoranthene
Concen: 4.82 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF099418.D
Acq: 13 Oct 2017 2:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 42386
Ion Ratio Lower Upper
252 100
253 39.5 17.9 26.9#
125 33.8 10.2 15.2#

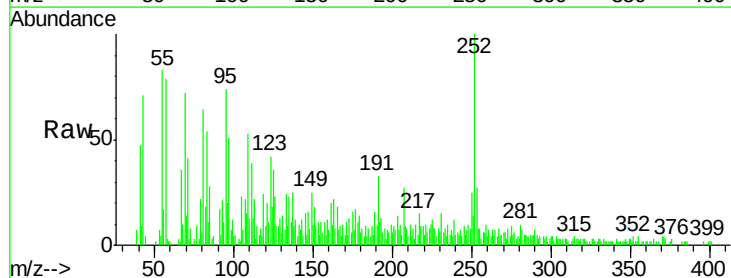


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.54 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF099418.D
Acq: 13 Oct 2017 2:06

Tgt Ion:252 Resp: 20776
Ion Ratio Lower Upper
252 100
253 27.4 17.1 25.7#
125 36.3 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

