

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
 Data File : BF099218.D
 Acq On : 8 Oct 2017 3:51
 Operator : SJ/JU
 Sample : I5530-08 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 08 06:06:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Oct 08 03:54:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	113150	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	418093	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	158407	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	246362	20.00	ng	0.00
75) Chrysene-d12	14.03	240	209908	20.00	ng	0.00
86) Perylene-d12	15.51	264	164967	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	159510	22.44	ng	0.00
7) Phenol-d6	6.49	99	184690	21.06	ng	-0.01
23) Nitrobenzene-d5	7.42	82	93427	14.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	22688	17.50	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	191310	20.16	ng	0.00
78) Terphenyl-d14	12.97	244	141049	15.28	ng	0.00

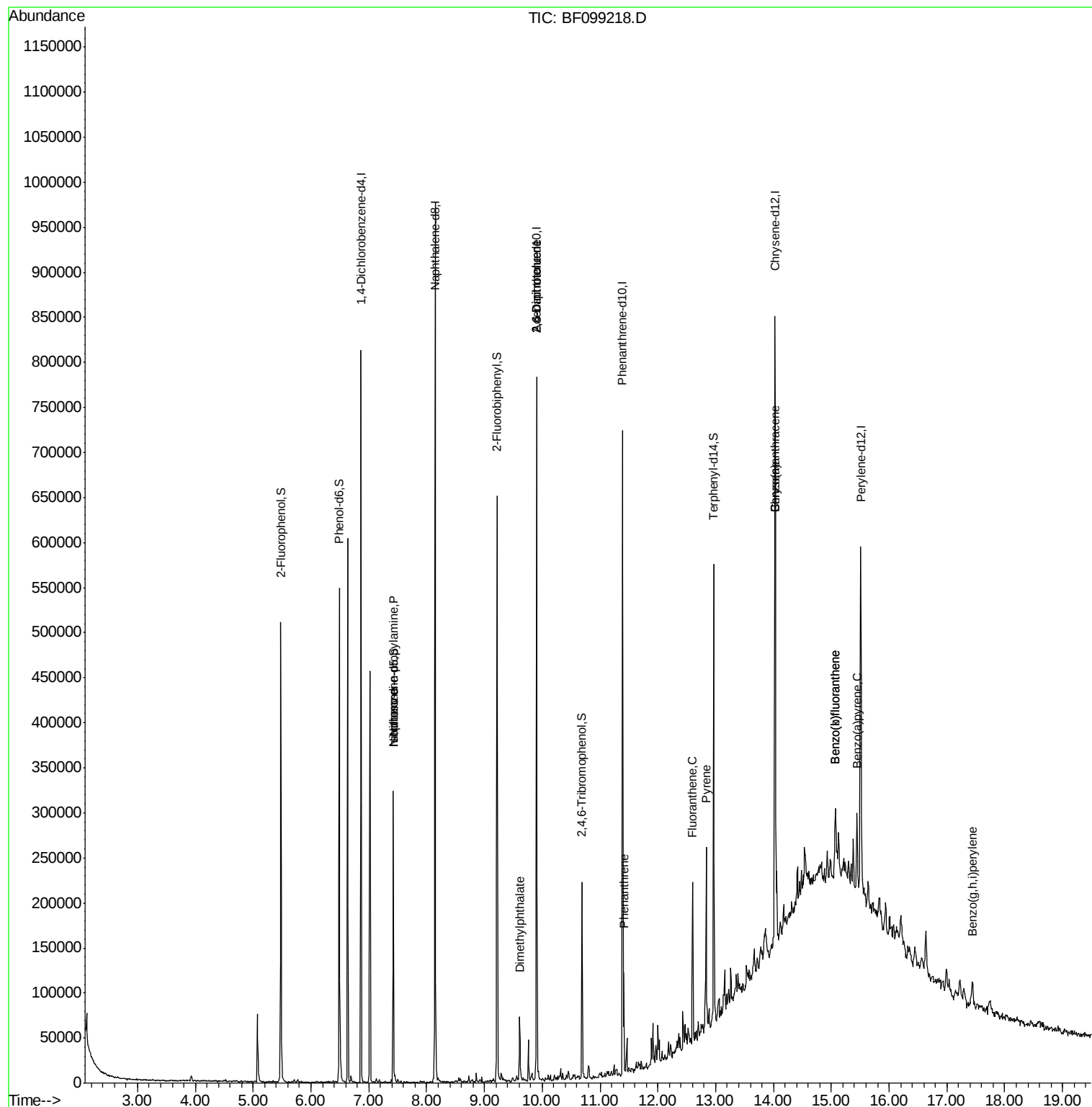
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	11964	2.137	ng	# 75
25) Isophorone	7.42	82	93425	6.931	ng	# 64
49) Dimethylphthalate	9.61	163	26269	2.197	ng	100
50) 2,6-Dinitrotoluene	9.90	165	20055	7.705	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	20055	5.937	ng	# 22
70) Phenanthrene	11.41	178	35974	2.728	ng	99
74) Fluoranthene	12.60	202	68653	5.141	ng	96
77) Pyrene	12.83	202	77010	4.811	ng	97
80) Benzo(a)anthracene	14.02	228	37690	2.965	ng	95
82) Chrysene	14.02	228	37690	3.115	ng	97
87) Benzo(b)fluoranthene	15.07	252	45192	4.456	ng	# 85
88) Benzo(k)fluoranthene	15.07	252	45192	4.511	ng	# 88
89) Benzo(a)pyrene	15.44	252	27531	2.957	ng	# 89
91) Benzo(a,h,i)perylene	17.44	276	19700	2.675	ng	94

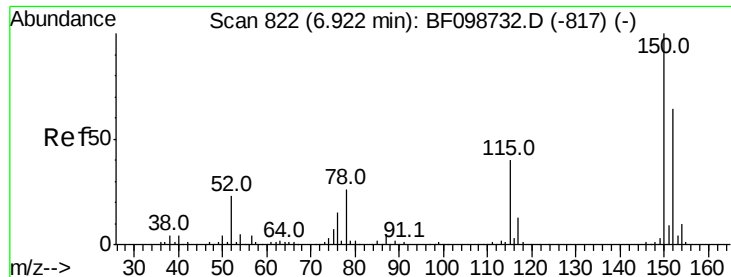
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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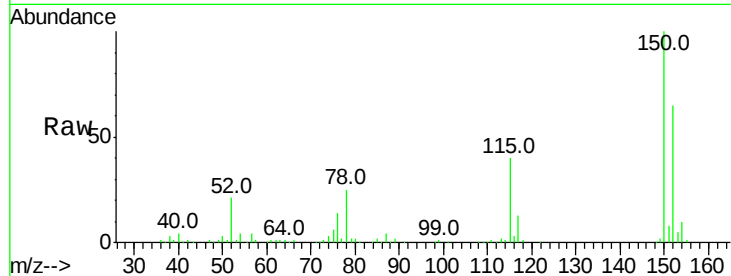


#1

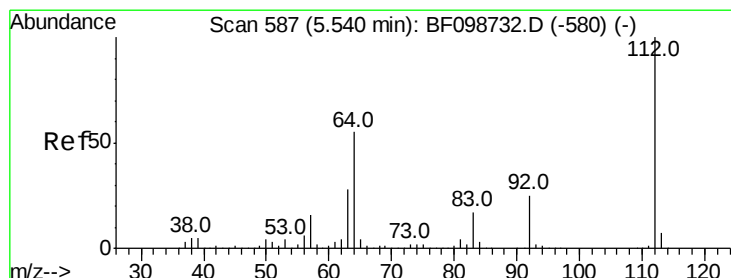
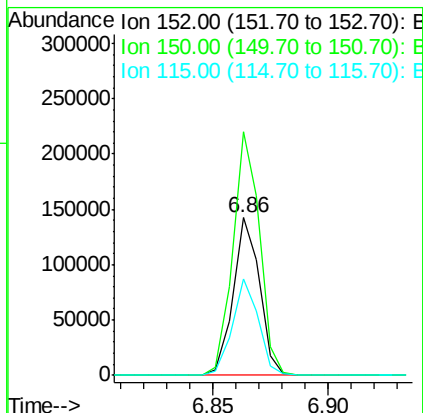
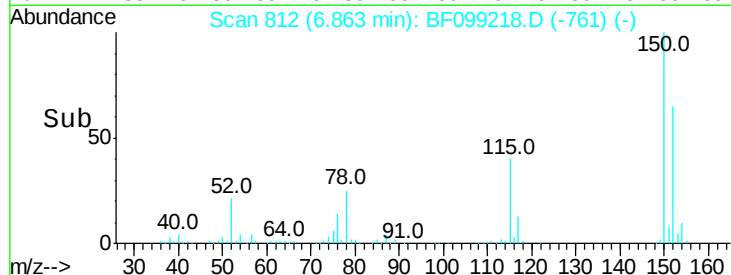
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF099218.D
Acq: 8 Oct 2017 3:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 113150
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 61.5 50.1 75.1



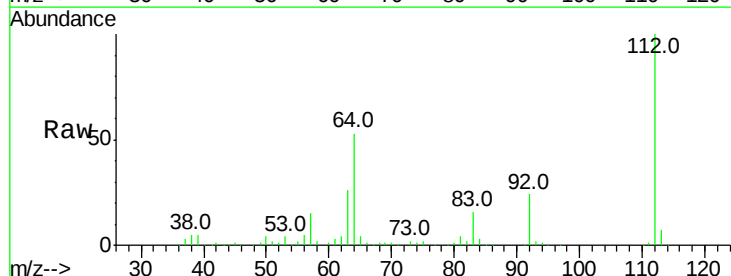
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



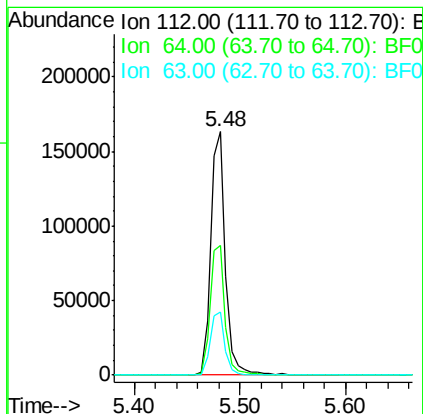
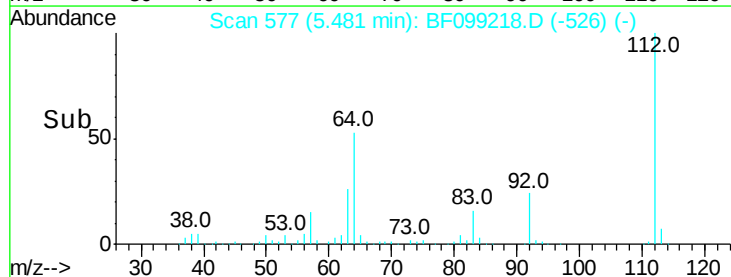
#5

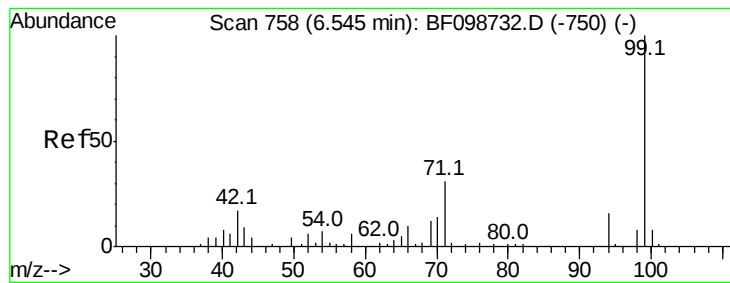
2-Fluorophenol
Concen: 22.441 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF099218.D
Acq: 8 Oct 2017 3:51

Tgt Ion:112 Resp: 159510
Ion Ratio Lower Upper
112 100
64 53.3 47.9 71.9
63 25.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.063 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF099218.D

Acq: 8 Oct 2017 3:51

Instrument :

BNA_F

ClientSampleId :

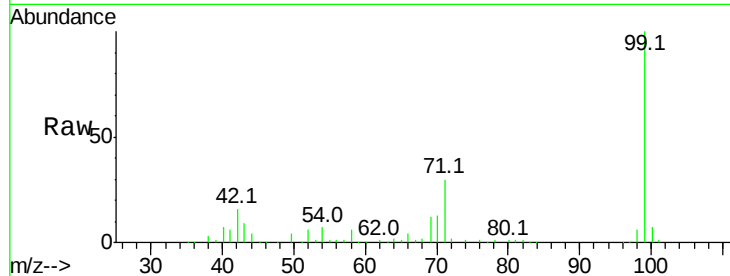
Tot Ion: 99 Resp: 184690

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

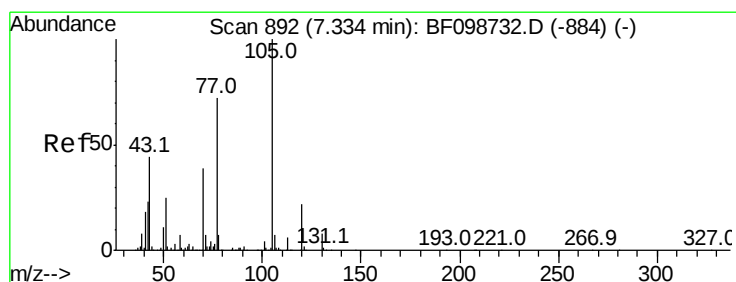
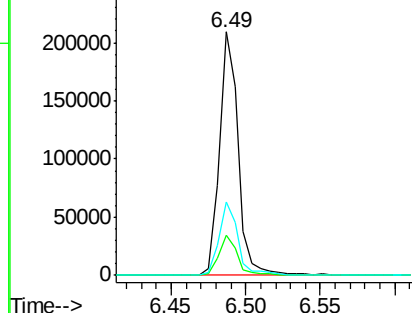
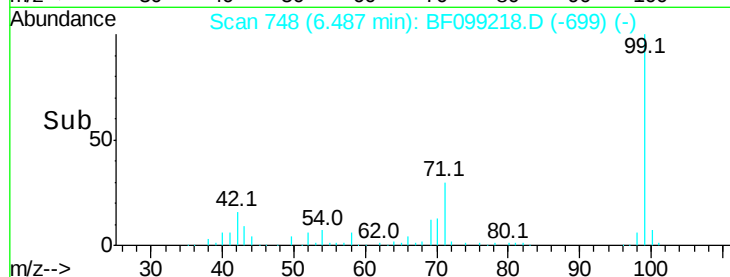
71 30.2 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.137 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF099218.D

Acq: 8 Oct 2017 3:51

Tgt Ion: 70 Resp: 11964

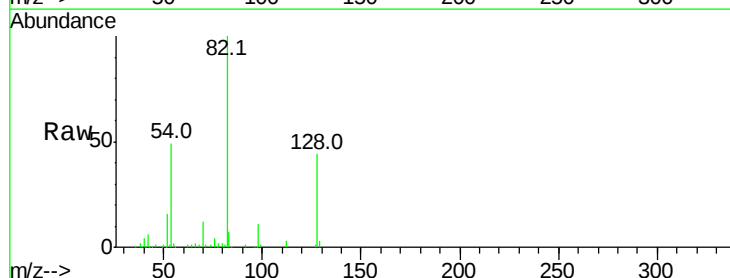
Ion Ratio Lower Upper

70 100

42 45.7 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

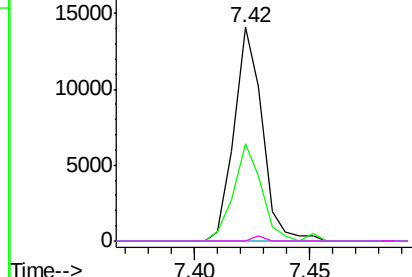
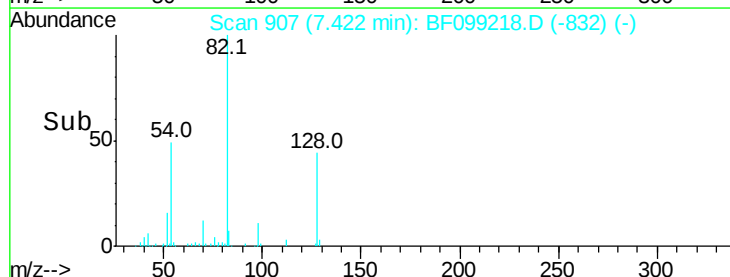


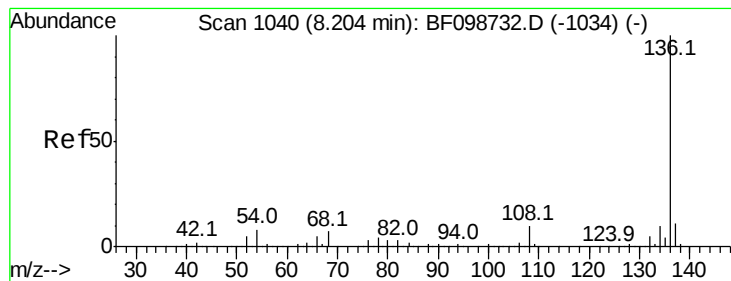
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF099218.D

Acq: 8 Oct 2017 3:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 418093

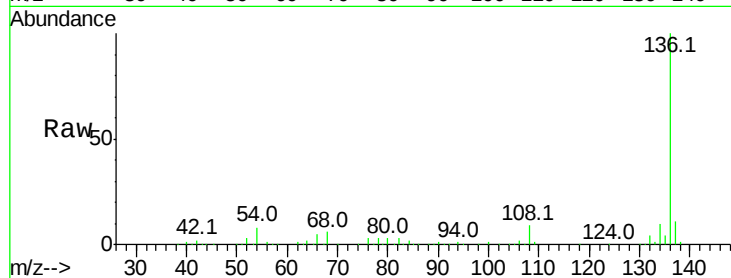
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.6 6.6 9.8

68 6.0 5.0 7.4

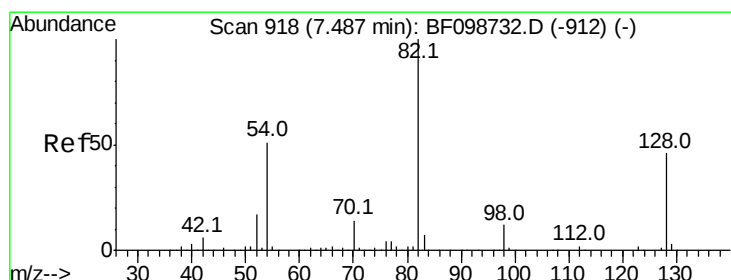
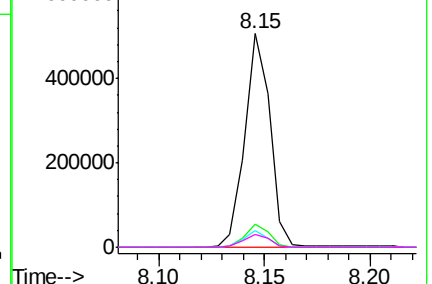
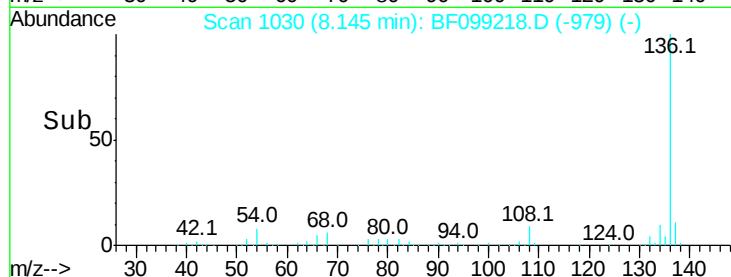


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.331 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF099218.D

Acq: 8 Oct 2017 3:51

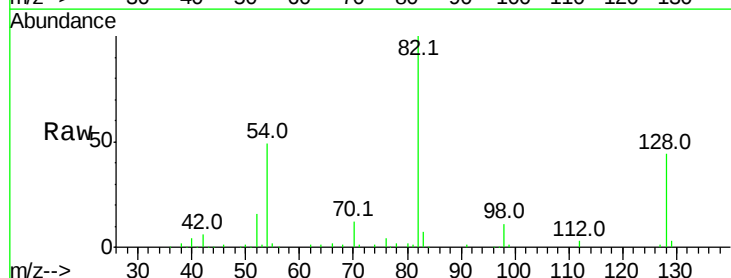
Tgt Ion: 82 Resp: 93427

Ion Ratio Lower Upper

82 100

128 44.5 36.1 54.1

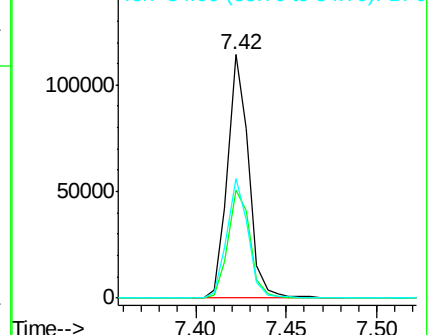
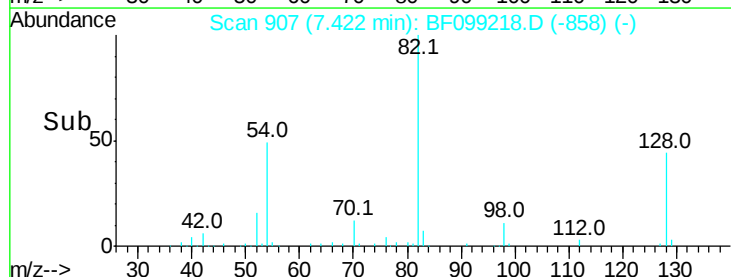
54 48.9 41.4 62.2

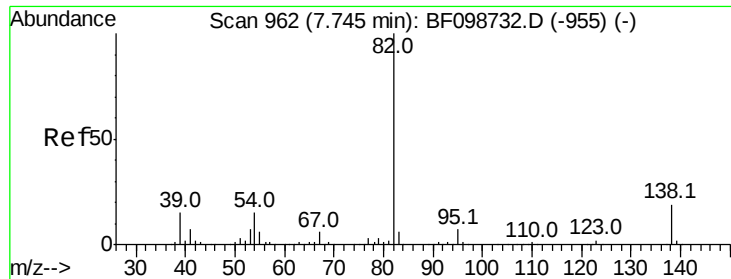


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 6.931 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF099218.D

Acq: 8 Oct 2017 3:51

Instrument :

BNA_F

ClientSampleId :

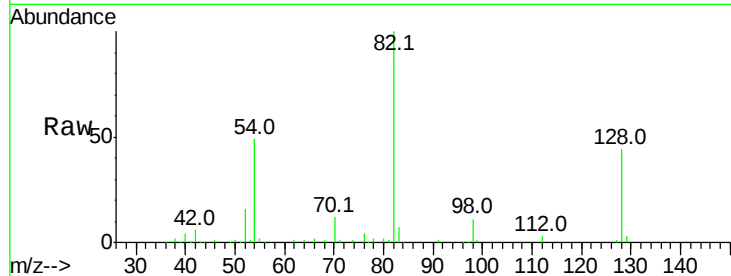
Tot Ion: 82 Resp: 93425

Ion Ratio Lower Upper

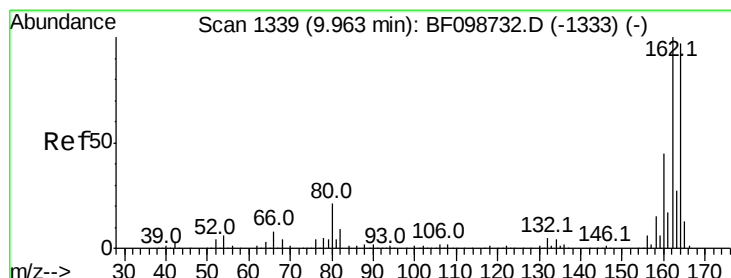
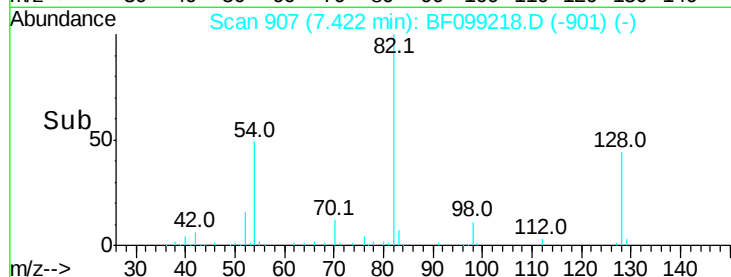
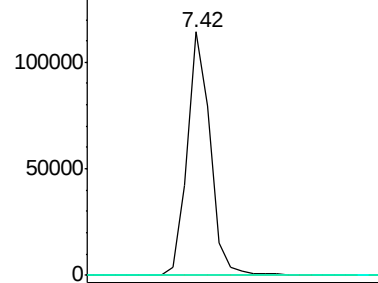
82 100

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: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099218.D

Acq: 8 Oct 2017 3:51

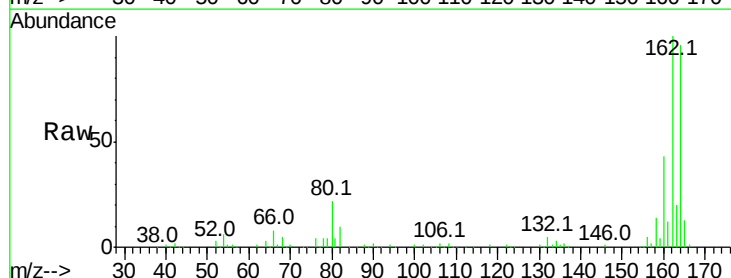
Tgt Ion:164 Resp: 158407

Ion Ratio Lower Upper

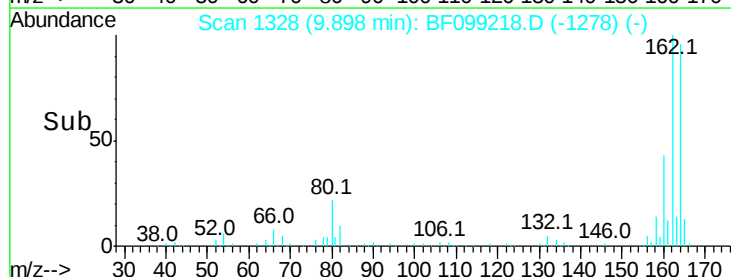
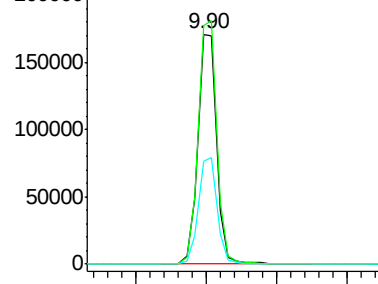
164 100

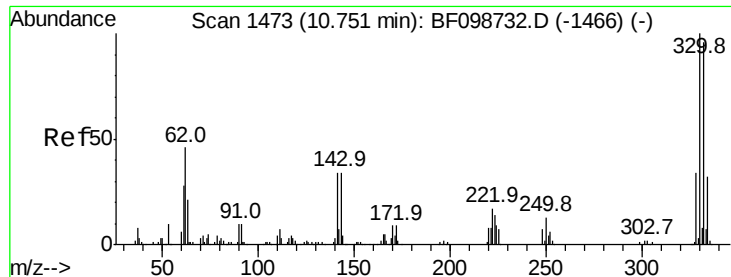
162 103.7 86.1 129.1

160 44.8 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

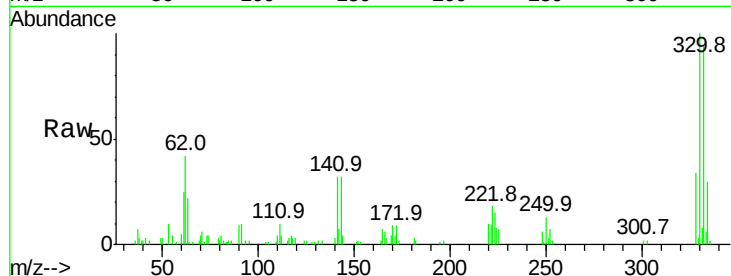




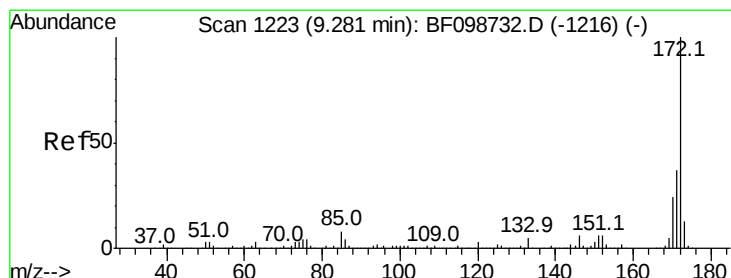
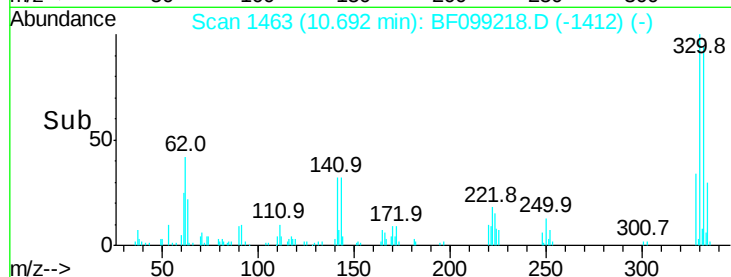
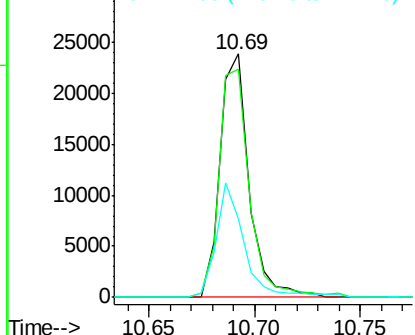
#41
 2,4,6-Tribromophenol
 Concen: 17.503 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: BF099218.D
 Acq: 8 Oct 2017 3:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 22688
 Ion Ratio Lower Upper
 330 100
 332 98.8 77.0 115.6
 141 46.1 29.9 44.9#

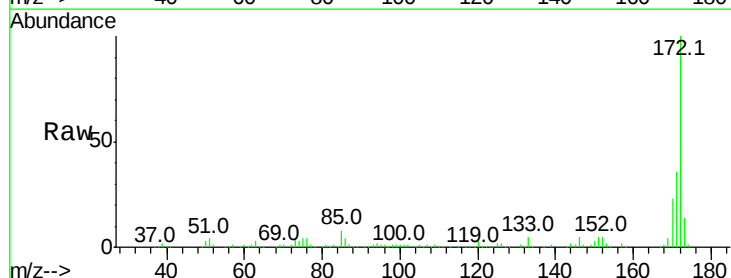


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

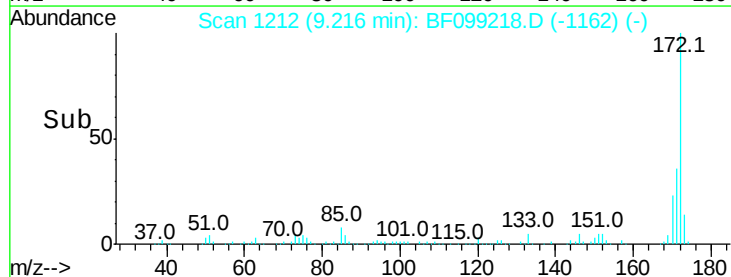
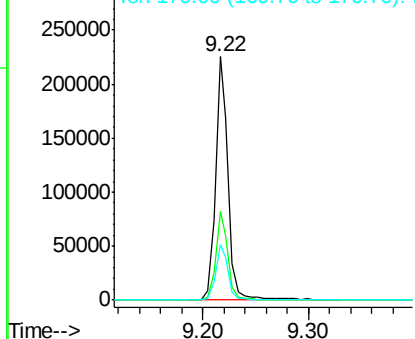


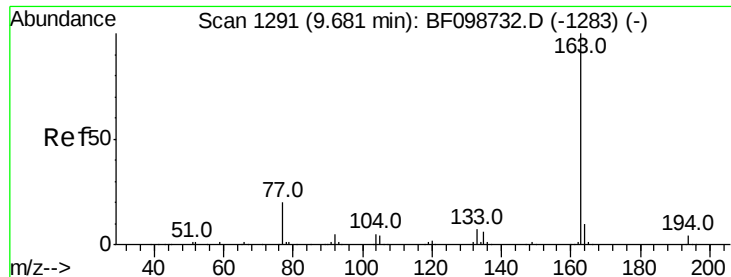
#44
 2-Fluorobiphenyl
 Concen: 20.162 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099218.D
 Acq: 8 Oct 2017 3:51

Tgt Ion:172 Resp: 191310
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.7 44.5
 170 22.9 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

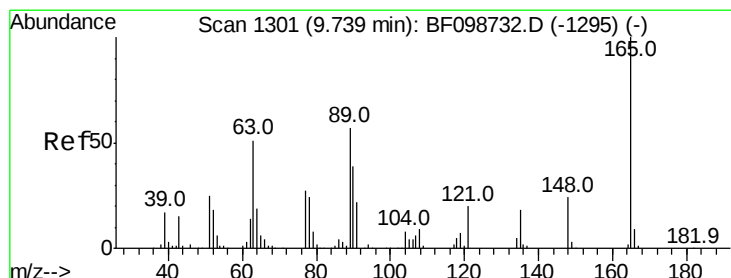
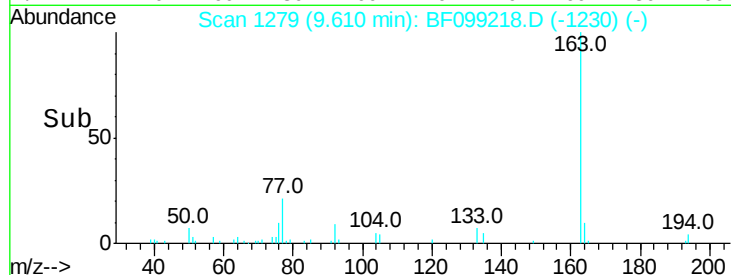
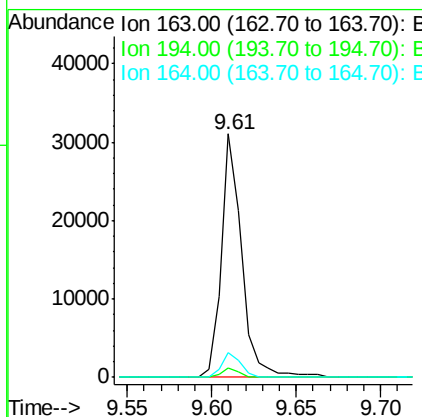
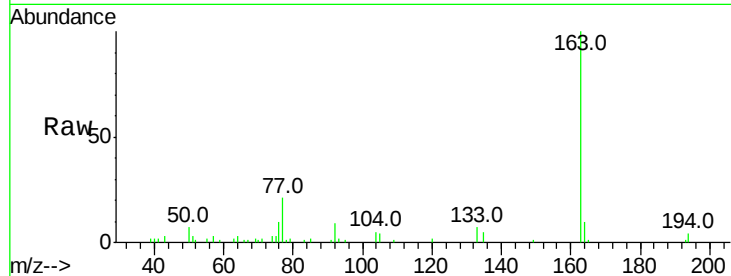




#49
Dimethylphthalate
Concen: 2.197 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF099218.D
Acq: 8 Oct 2017 3:51

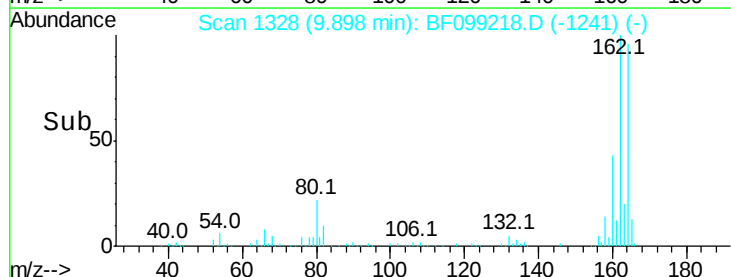
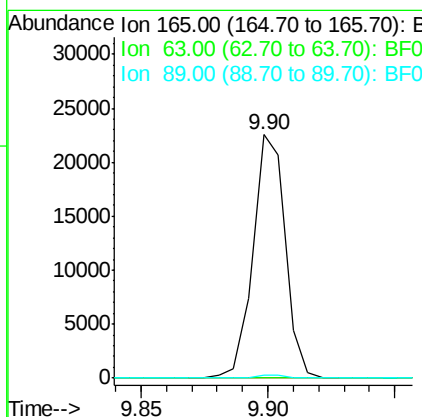
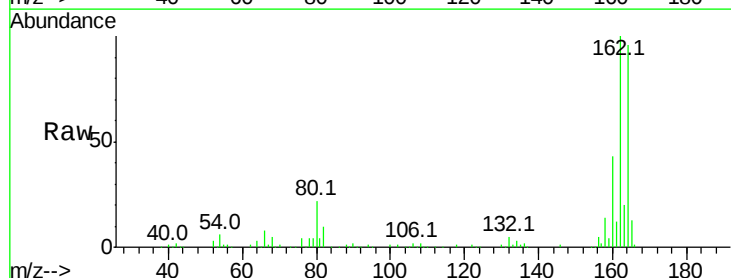
Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 26269
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.3 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 7.705 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF099218.D
Acq: 8 Oct 2017 3:51

Tgt Ion:165 Resp: 20055
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.4 44.0 66.0#

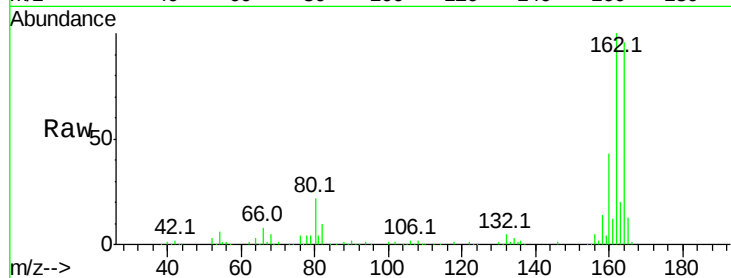




#56
 2,4-Dinitrotoluene
 Concen: 5.937 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.19 min
 Lab File: BF099218.D
 Acq: 8 Oct 2017 3:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	20055
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	1.4	57.8 86.6#
182	0.0	1.6 2.4#

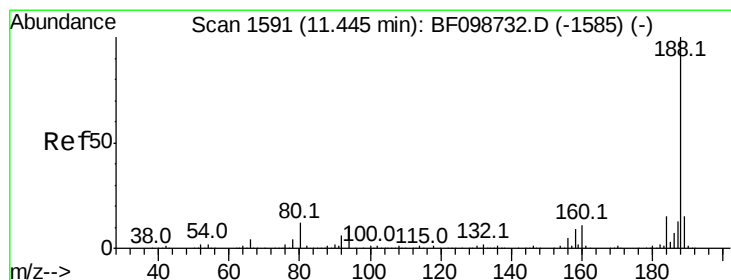
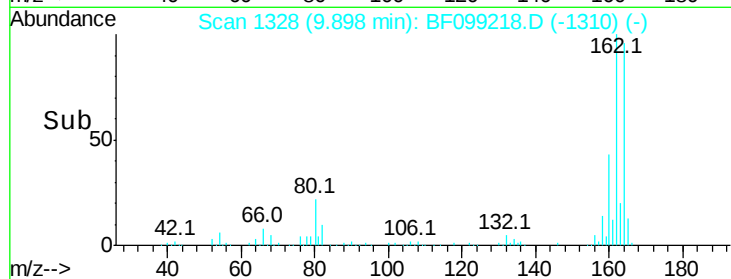
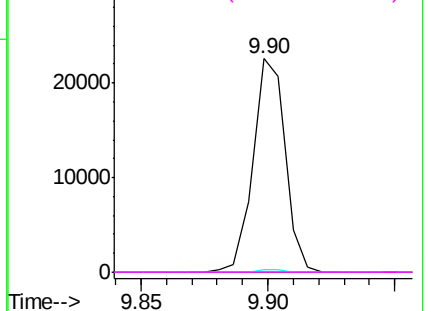


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

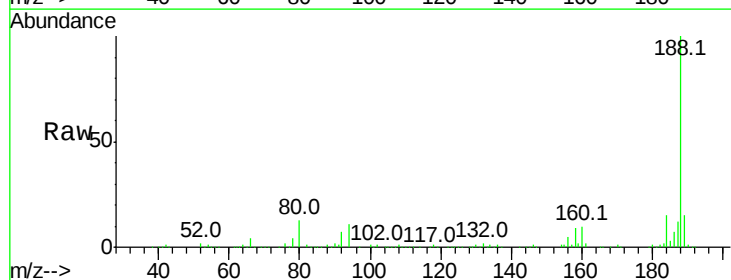
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: BF099218.D
 Acq: 8 Oct 2017 3:51

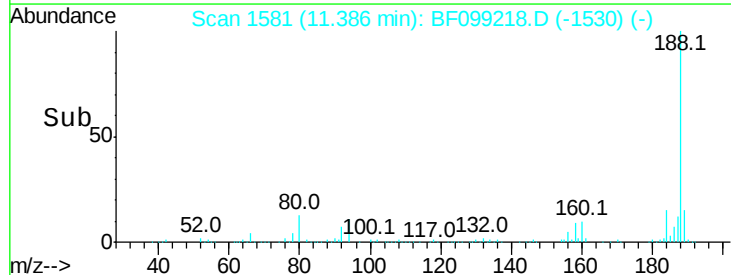
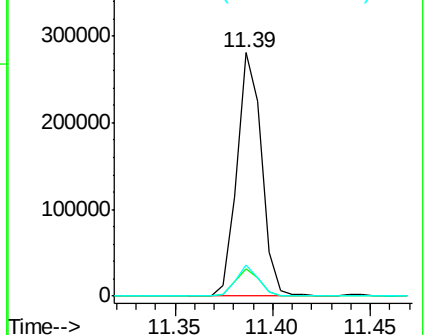
Tgt Ion:188	Resp:	246362
Ion Ratio	Lower	Upper
188	100	
94	11.1	8.5 12.7
80	12.7	9.2 13.8

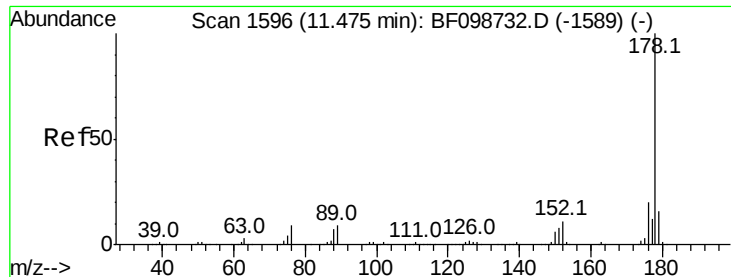


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

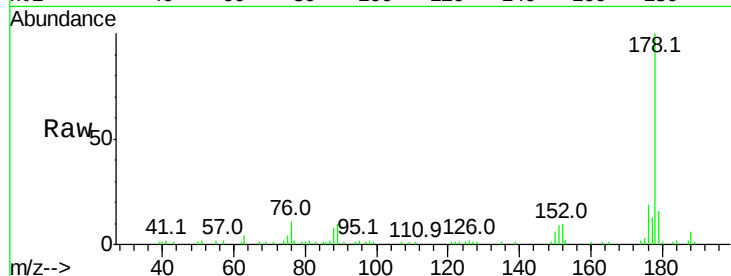




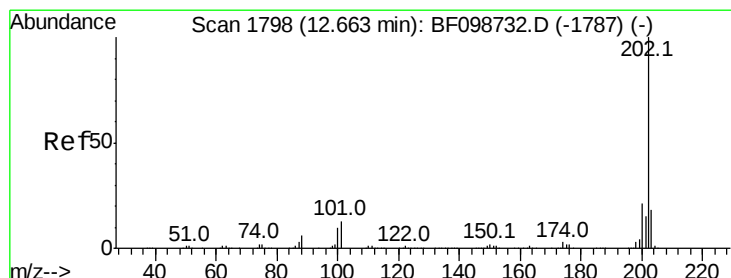
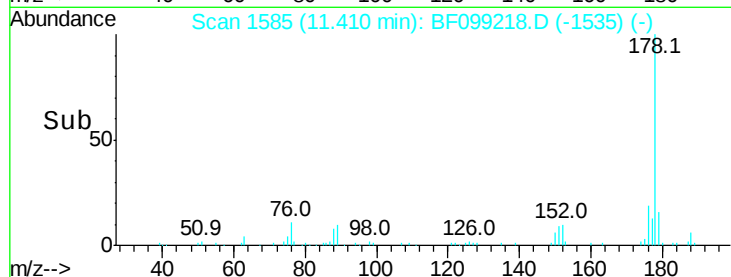
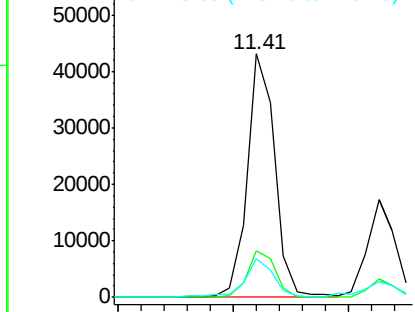
#70
Phenanthrene
Concen: 2.728 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099218.D
Acq: 8 Oct 2017 3:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 35974
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.7 13.0 19.6

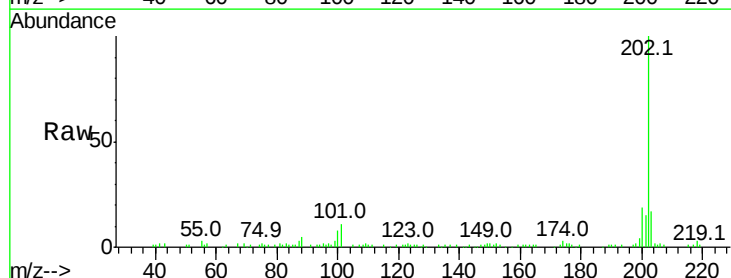


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

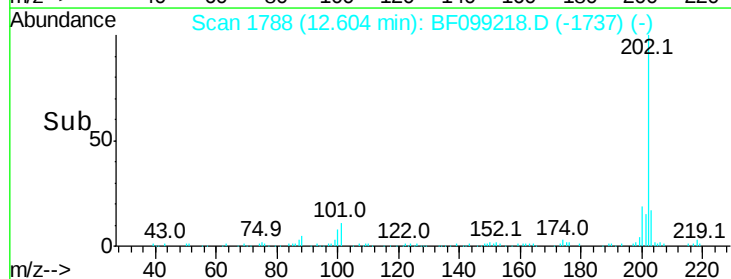
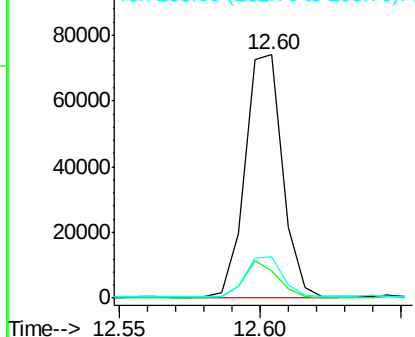


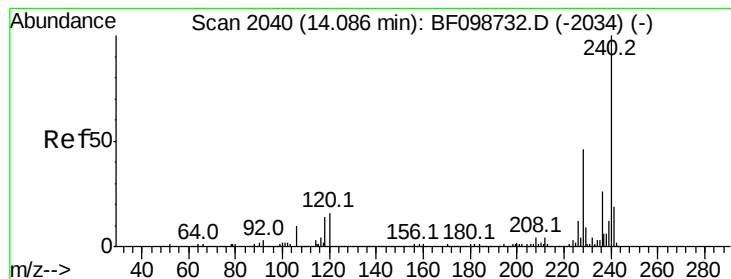
#74
Fluoranthene
Concen: 5.141 ng
RT: 12.60 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BF099218.D
Acq: 8 Oct 2017 3:51

Tgt Ion:202 Resp: 68653
Ion Ratio Lower Upper
202 100
101 11.2 0.0 34.1
203 17.1 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: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF099218.D

Acq: 8 Oct 2017 3:51

Instrument :

BNA_F

ClientSampleId :

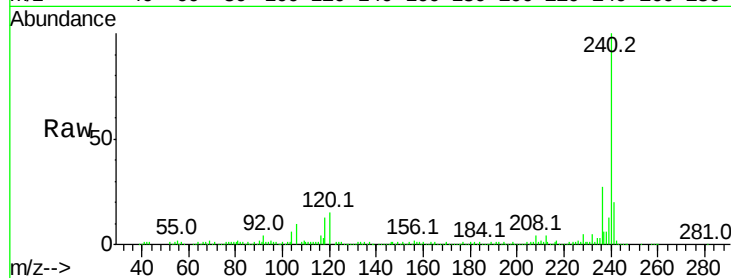
Tot Ion:240 Resp: 209908

Ion Ratio Lower Upper

240 100

120 15.2 9.5 14.3#

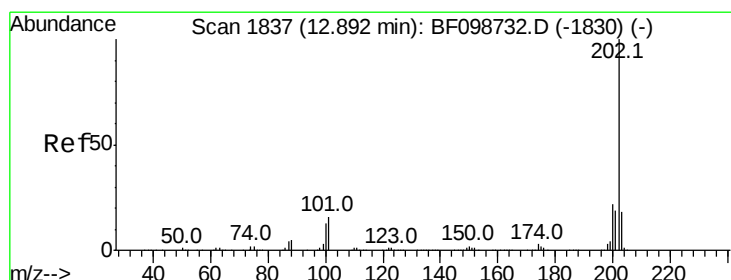
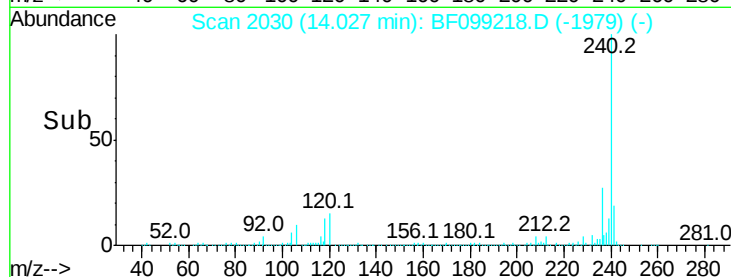
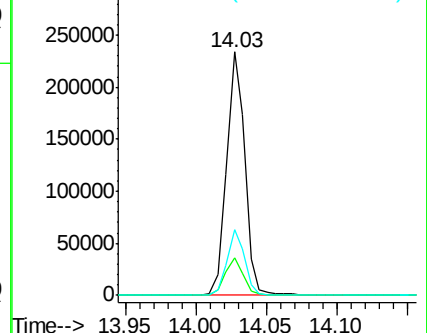
236 27.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.811 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF099218.D

Acq: 8 Oct 2017 3:51

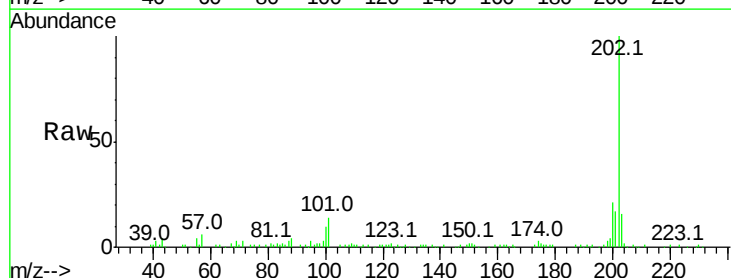
Tgt Ion:202 Resp: 77010

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

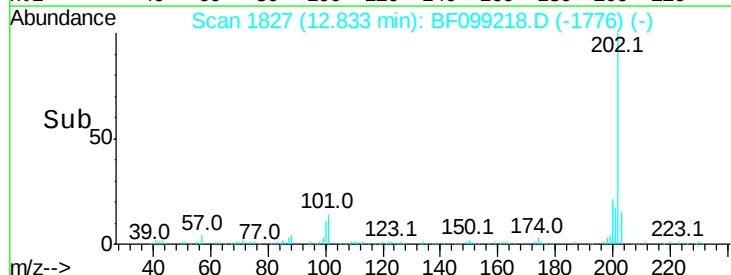
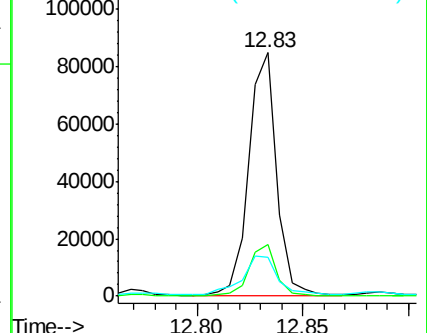
203 16.0 14.3 21.5

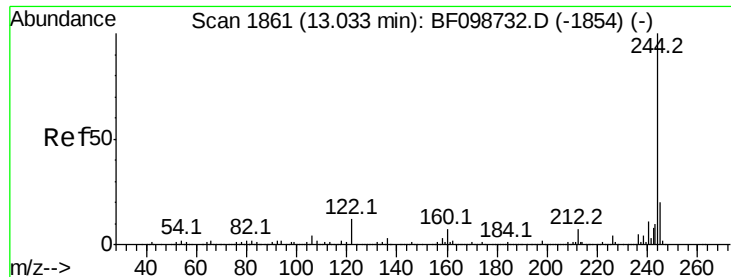


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

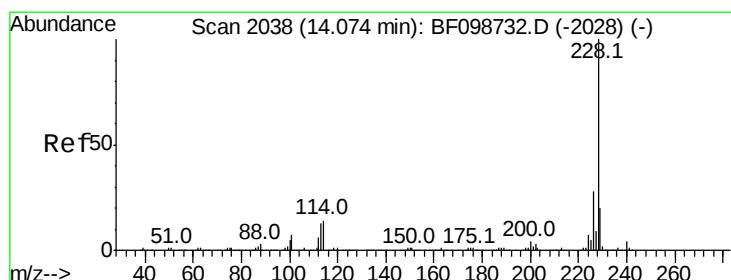
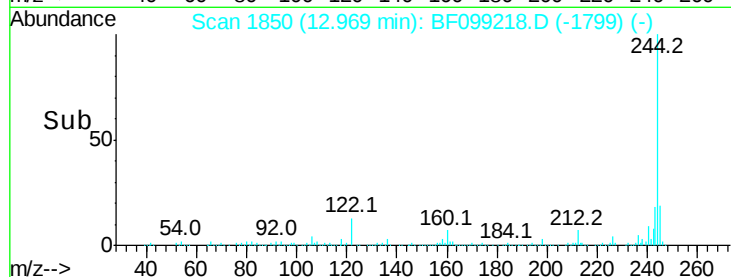
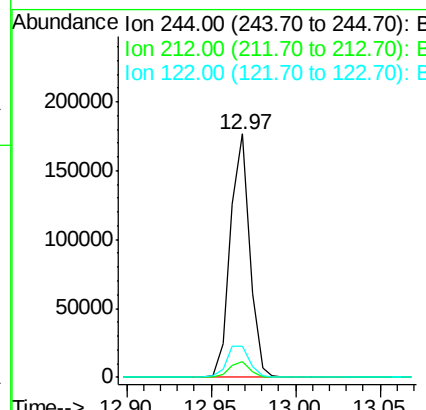
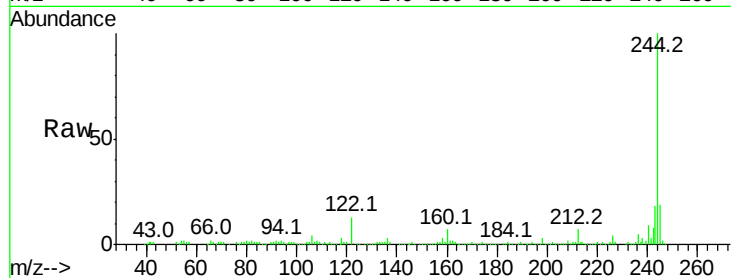




#78
 Terphenyl-d14
 Concen: 15.282 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BF099218.D
 Acq: 8 Oct 2017 3:51

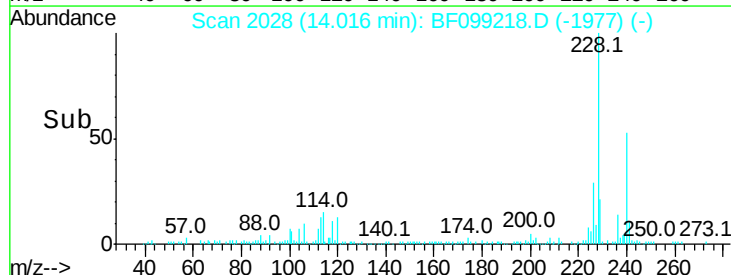
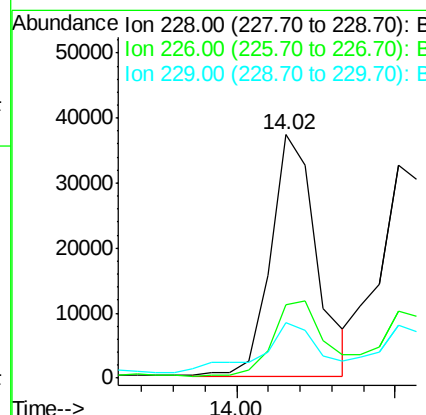
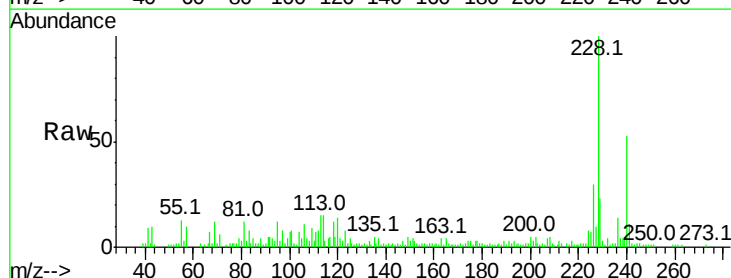
Instrument :
 BNA_F
 ClientSampleId :

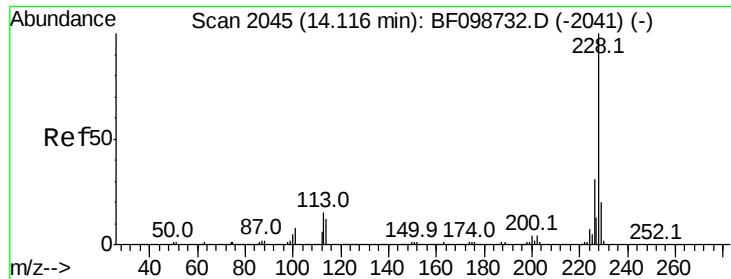
Tot Ion:244 Resp: 141049
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 13.0 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.965 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BF099218.D
 Acq: 8 Oct 2017 3:51

Tgt Ion:228 Resp: 37690
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.6 33.8
 229 22.8 15.8 23.6

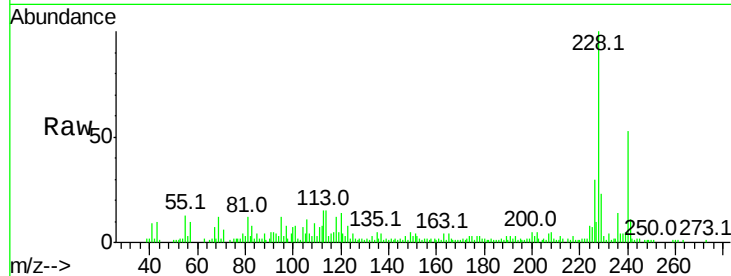




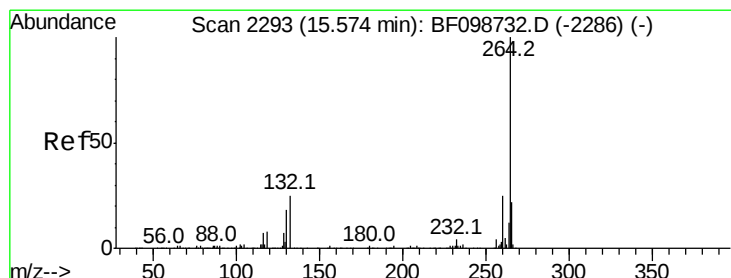
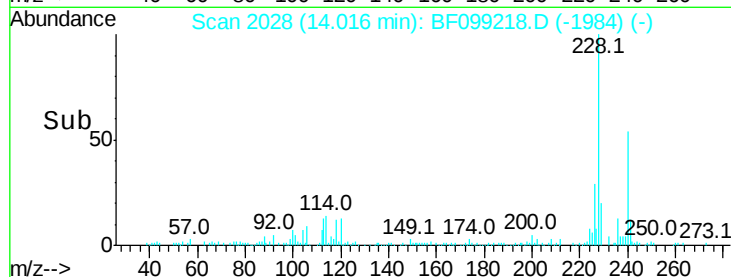
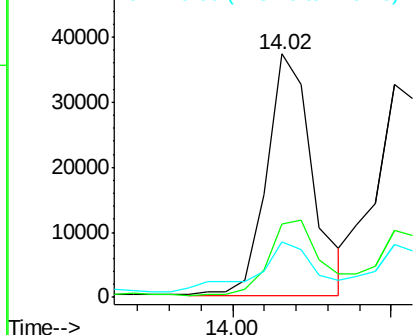
#82
Chrysene
Concen: 3.115 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.04 min
Lab File: BF099218.D
Acq: 8 Oct 2017 3:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 37690
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 22.8 16.2 24.4

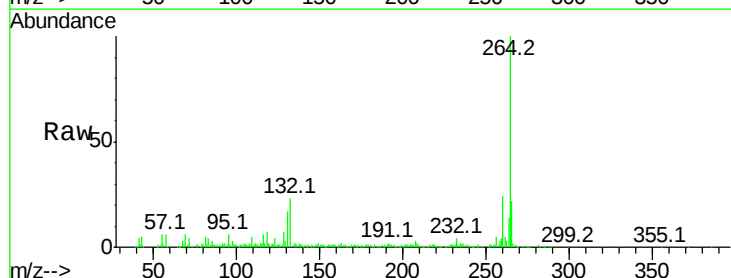


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

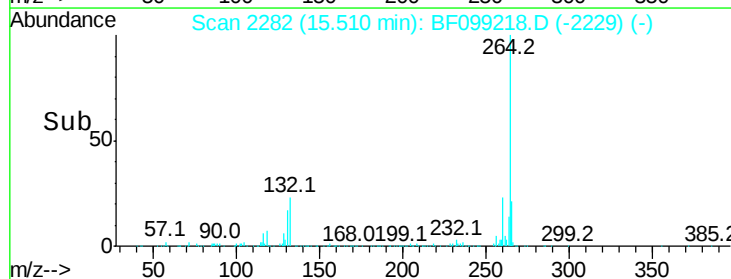
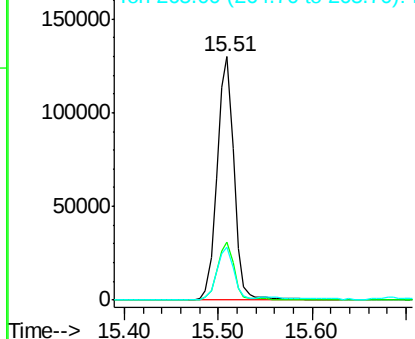


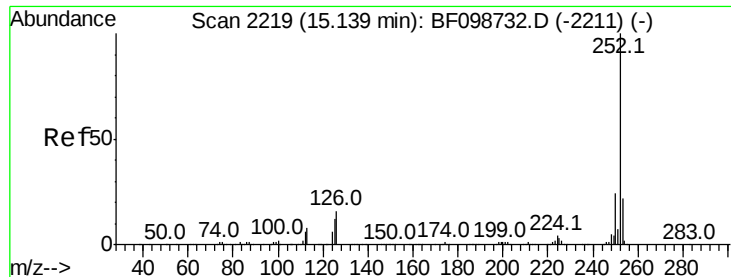
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF099218.D
Acq: 8 Oct 2017 3:51

Tgt Ion:264 Resp: 164967
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.7 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

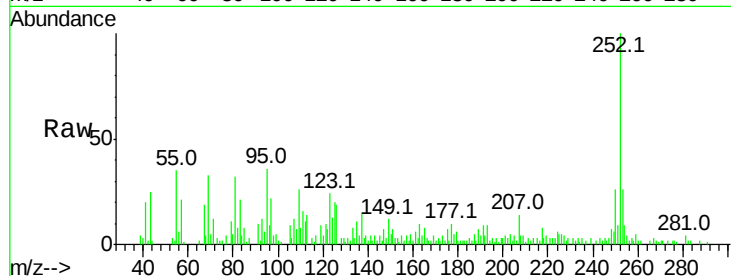




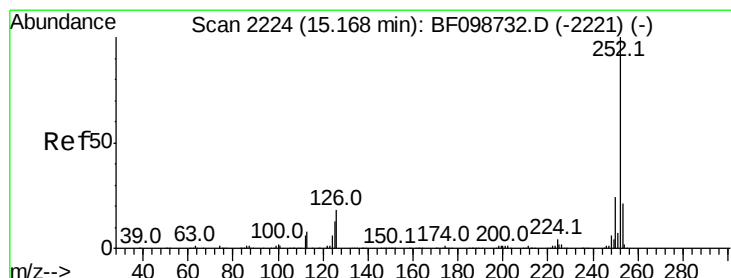
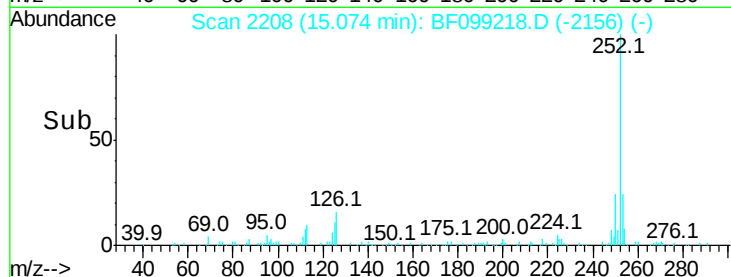
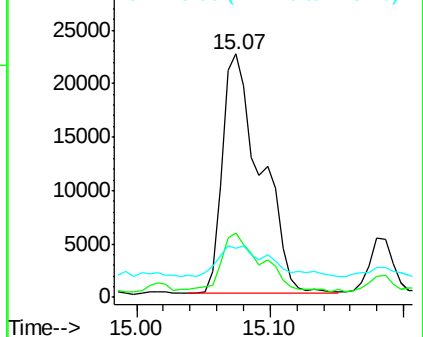
#87
Benzo(b)fluoranthene
Concen: 4.456 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF099218.D
Acq: 8 Oct 2017 3:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.0	25.6#
125	20.0	9.0	13.6#

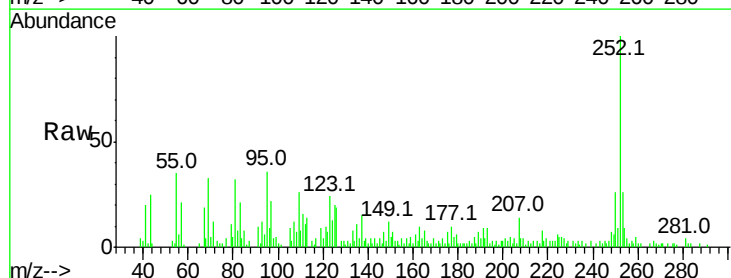


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

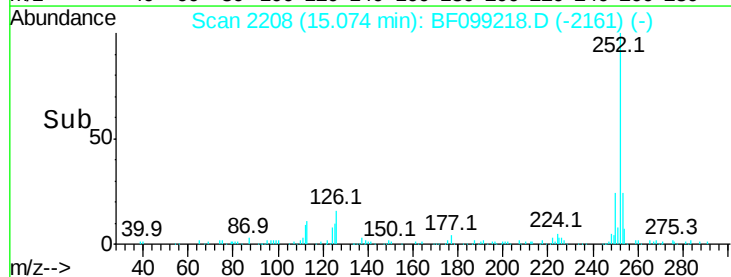
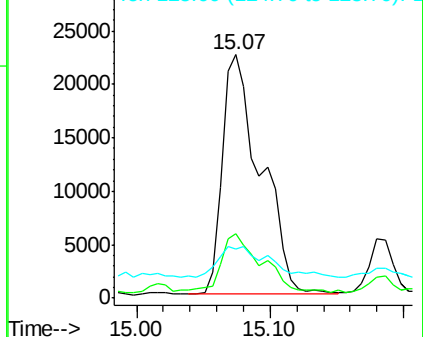


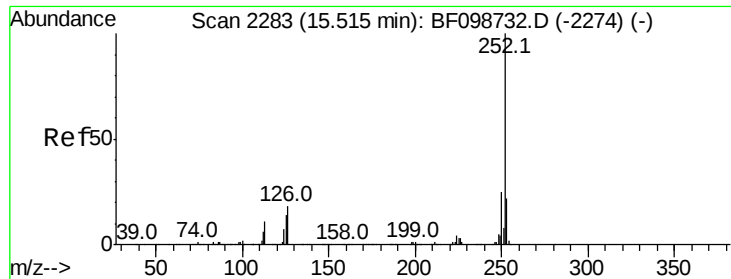
#88
Benzo(k)fluoranthene
Concen: 4.511 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF099218.D
Acq: 8 Oct 2017 3:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.9	26.9
125	20.0	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

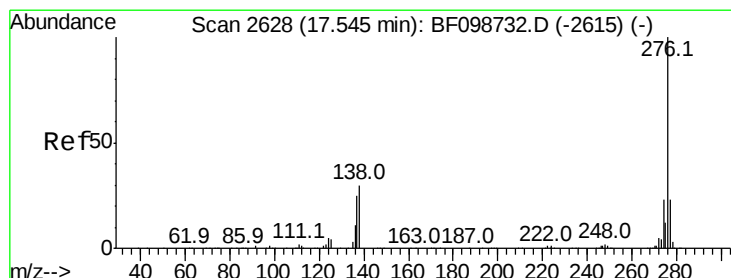
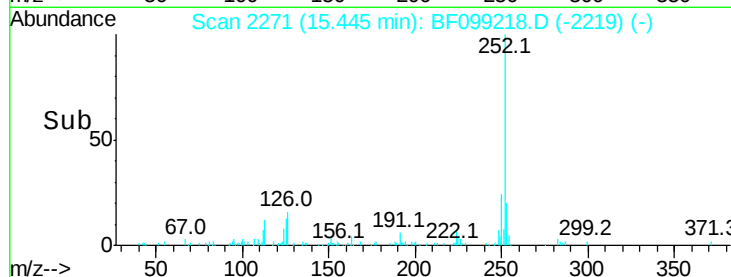
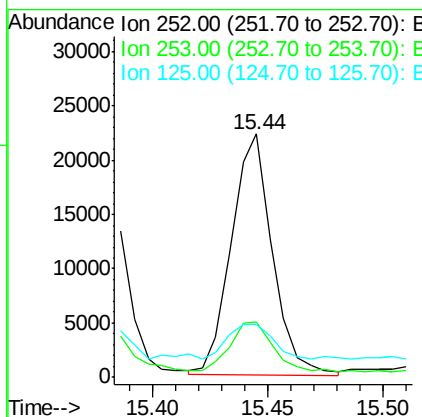
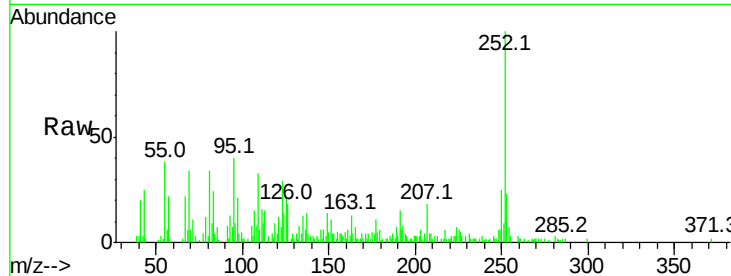




#89
Benzo(a)pyrene
Concen: 2.957 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF099218.D
Acq: 8 Oct 2017 3:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 27531
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 22.0 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.675 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.01 min
Lab File: BF099218.D
Acq: 8 Oct 2017 3:51

Tgt Ion:276 Resp: 19700
Ion Ratio Lower Upper
276 100
277 23.6 17.9 26.9
138 31.6 21.8 32.8

