

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
 Data File : BF094750.D
 Acq On : 1 May 2017 14:44
 Operator : SJ/MA
 Sample : I2902-06 100X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 02 01:37:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

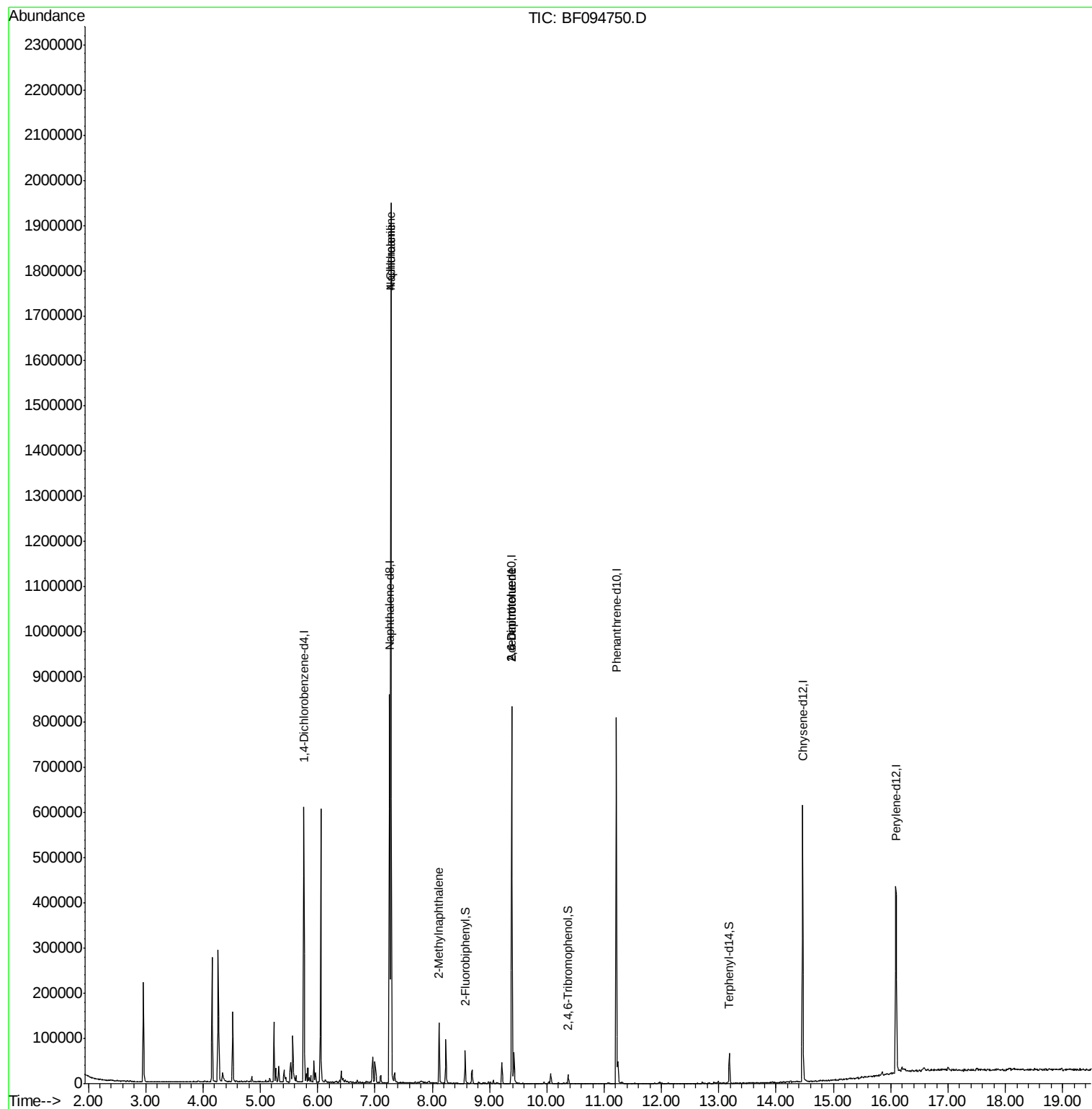
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	96443	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	405919	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	189344	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	327196	20.00	ng	0.00
75) Chrysene-d12	14.46	240	253470	20.00	ng	0.00
86) Perylene-d12	16.09	264	181517	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.34	112	10655	1.83	ng	0.04
7) Phenol-d6	5.42	99	9002	1.31	ng	0.03
23) Nitrobenzene-d5	6.41	82	10713	1.63	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	3464	2.34	ng	0.00
44) 2-Fluorobiphenyl	8.57	172	26570	2.06	ng	-0.01
78) Terphenyl-d14	13.18	244	23803	2.51	ng	-0.01
Target Compounds						
31) Naphthalene	7.28	128	958184	49.10	ng	Qvalue 100
33) 4-Chloroaniline	7.28	127	127980	15.77	ng	# 33
37) 2-Methylnaphthalene	8.12	142	42413	3.18	ng	98
50) 2,6-Dinitrotoluene	9.39	165	23163	7.31	ng	# 34
56) 2,4-Dinitrotoluene	9.39	165	23163	5.96	ng	# 34

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

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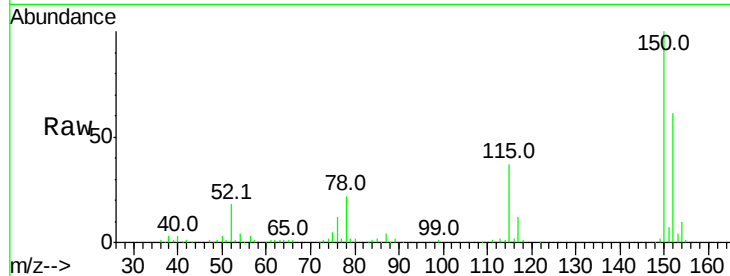


#1

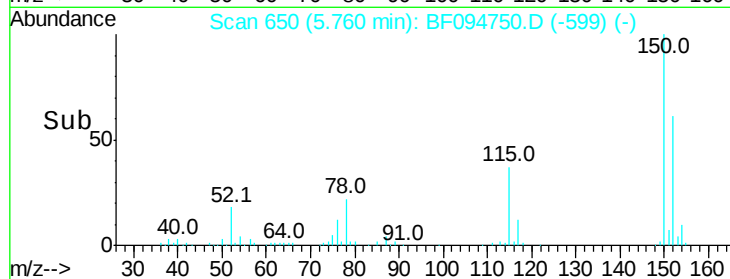
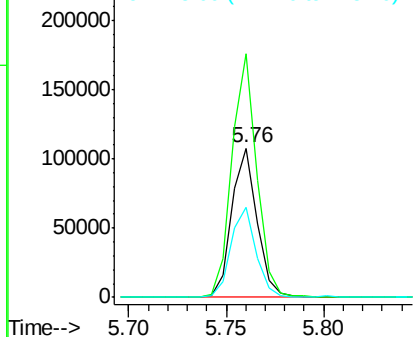
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF094750.D
Acq: 1 May 2017 14:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 96443
Ion Ratio Lower Upper
152 100
150 163.1 126.2 189.2
115 60.0 52.2 78.2



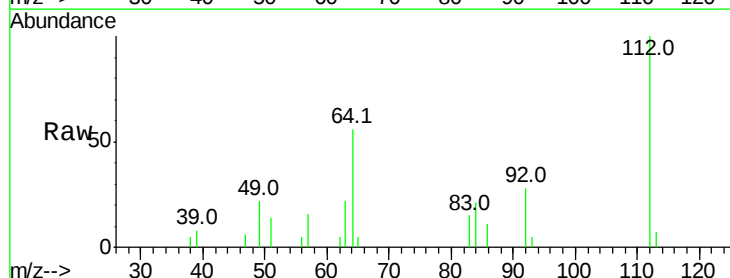
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



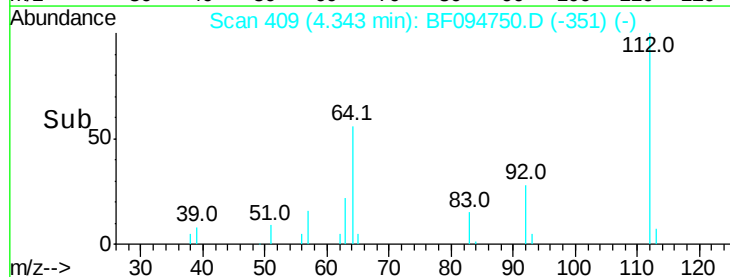
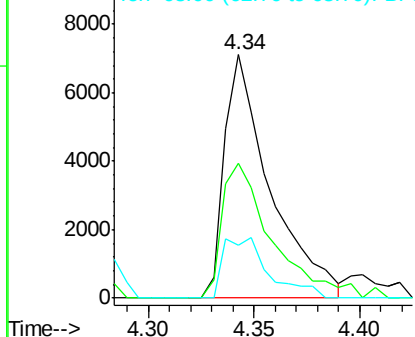
#5

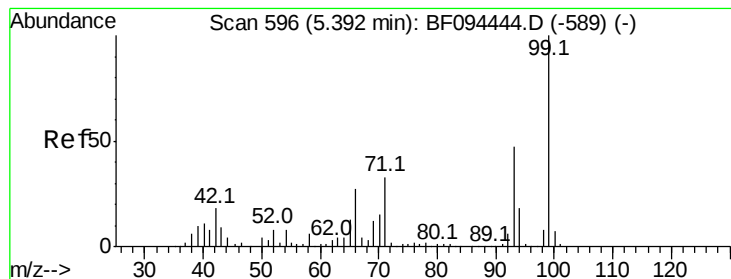
2-Fluorophenol
Concen: 1.83 ng
RT: 4.34 min Scan# 409
Delta R.T. 0.04 min
Lab File: BF094750.D
Acq: 1 May 2017 14:44

Tgt Ion:112 Resp: 10655
Ion Ratio Lower Upper
112 100
64 55.6 46.0 69.0
63 21.9 23.4 35.0#



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: 1.31 ng

RT: 5.42 min Scan# 592

Delta R.T. 0.03 min

Lab File: BF094750.D

Acq: 1 May 2017 14:44

Instrument :

BNA_F

ClientSampleId :

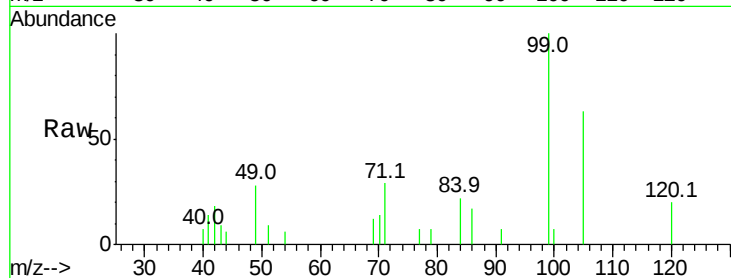
Tot Ion: 99 Resp: 9002

Ion Ratio Lower Upper

99 100

42 18.0 13.5 20.3

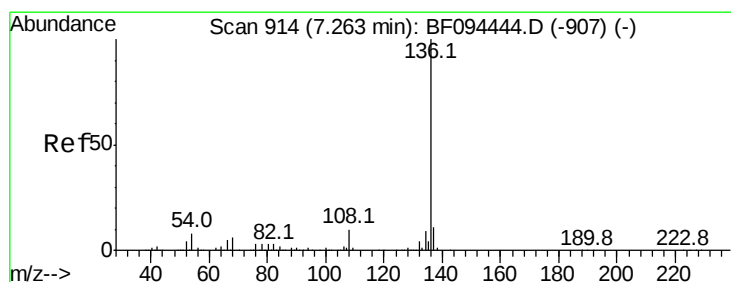
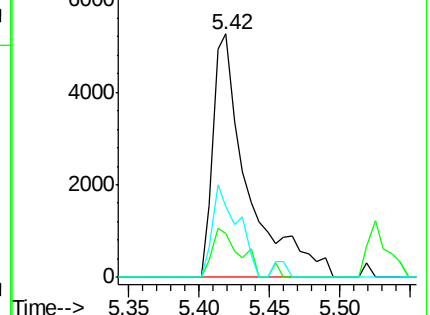
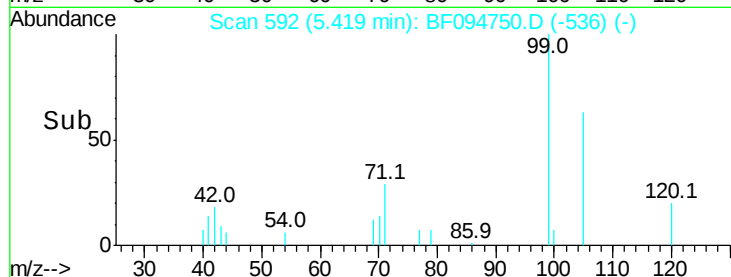
71 29.2 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF094750.D

Acq: 1 May 2017 14:44

Tgt Ion: 136 Resp: 405919

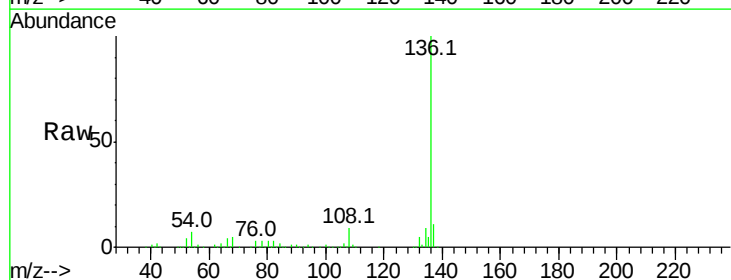
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.9 4.9 7.3

68 5.4 4.1 6.1

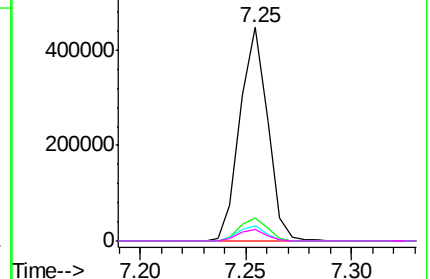
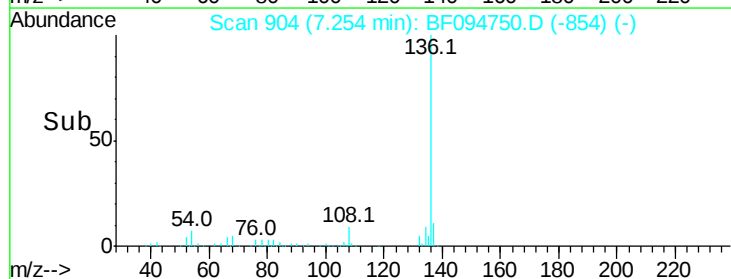


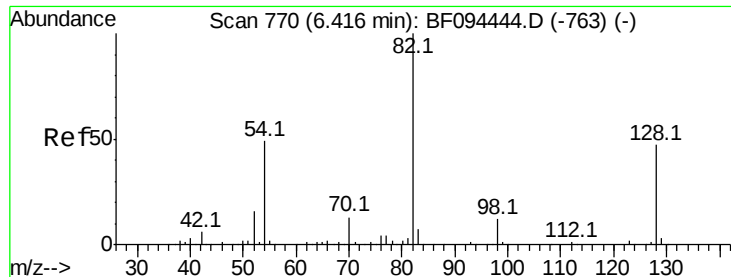
Abundance Ion 136.00 (135.70 to 136.70): E

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

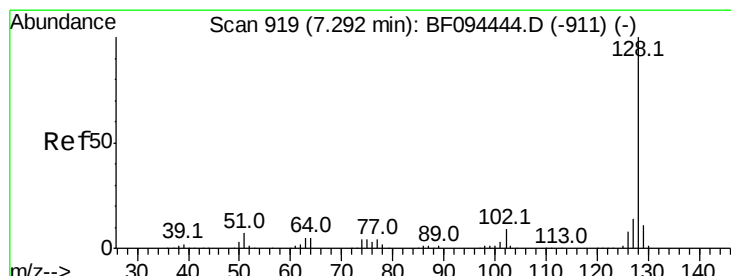
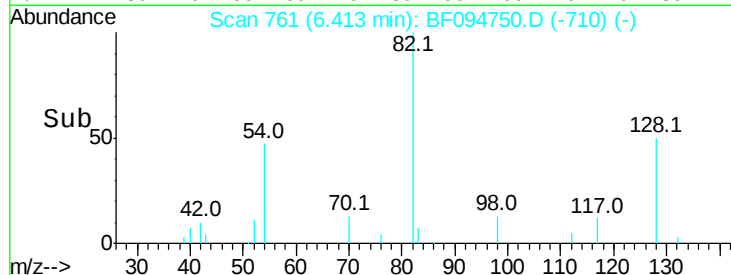
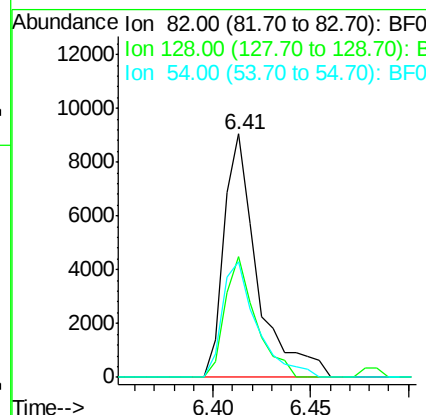
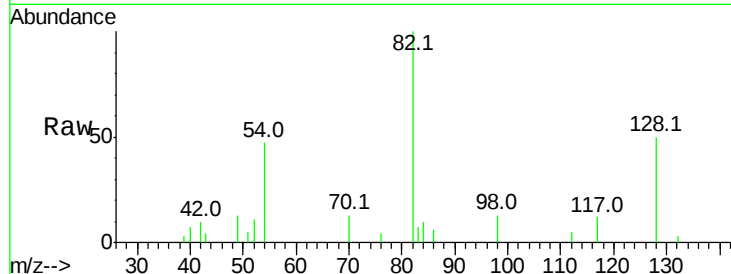




#23
 Nitrobenzene-d5
 Concen: 1.63 ng
 RT: 6.41 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BF094750.D
 Acq: 1 May 2017 14:44

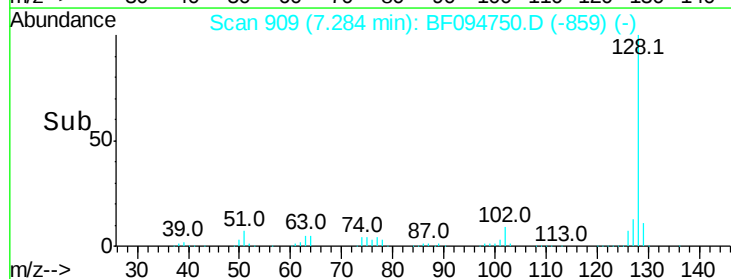
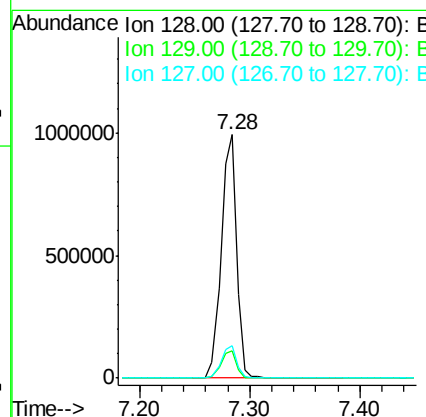
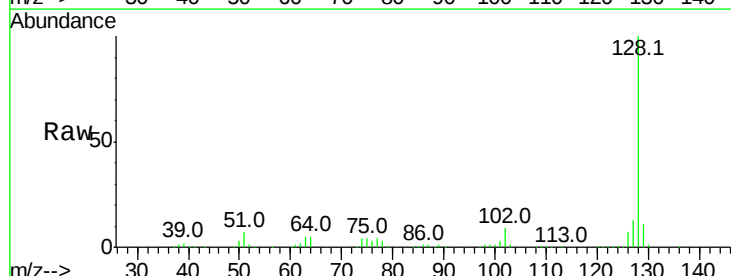
Instrument :
 BNA_F
 ClientSampleId :

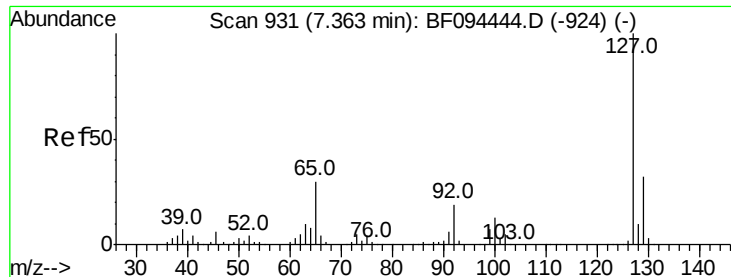
Tot Ion	82	Resp	10713
Ion Ratio	Lower	Upper	
82	100		
128	49.6	34.0	51.0
54	47.4	42.2	63.2



#31
 Naphthalene
 Concen: 49.10 ng
 RT: 7.28 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF094750.D
 Acq: 1 May 2017 14:44

Tgt Ion	128	Resp	958184
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.0	13.6
127	13.4	10.8	16.2

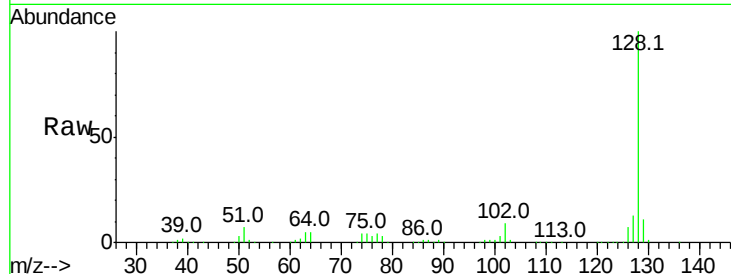




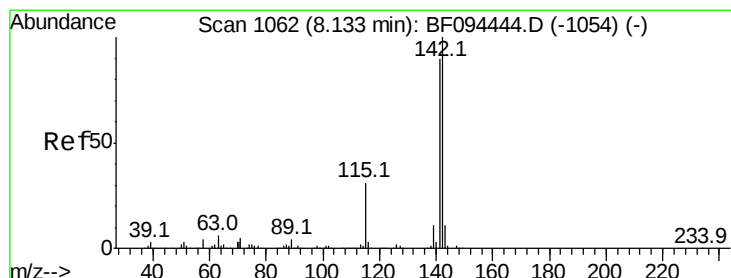
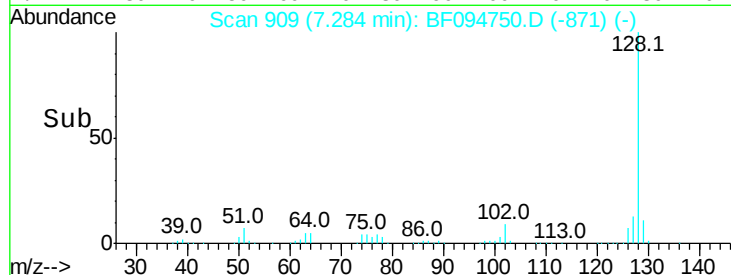
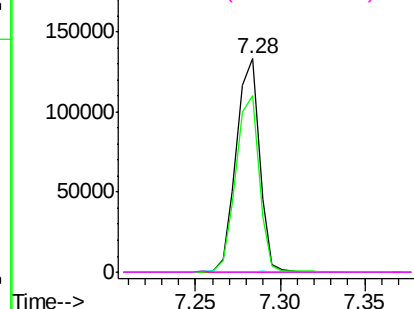
#33
4-Chloroaniline
Concen: 15.77 ng
RT: 7.28 min Scan# 909
Delta R.T. -0.08 min
Lab File: BF094750.D
Acq: 1 May 2017 14:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	127980
Ion	Ratio	Lower	Upper
127	100		
129	83.0	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#

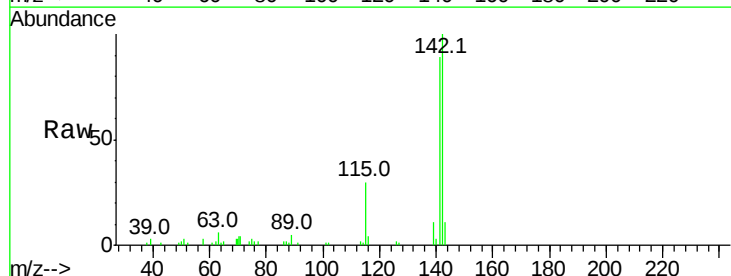


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

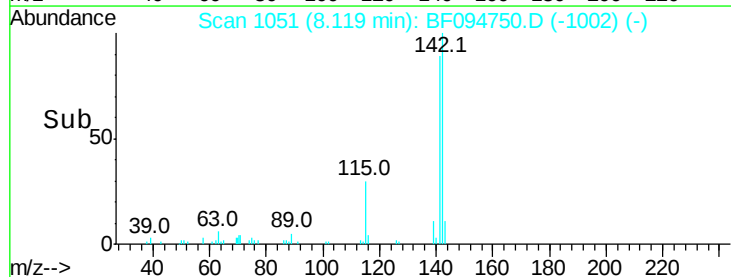
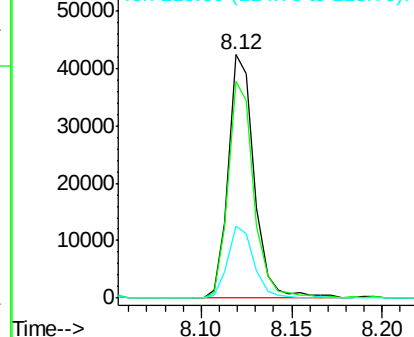


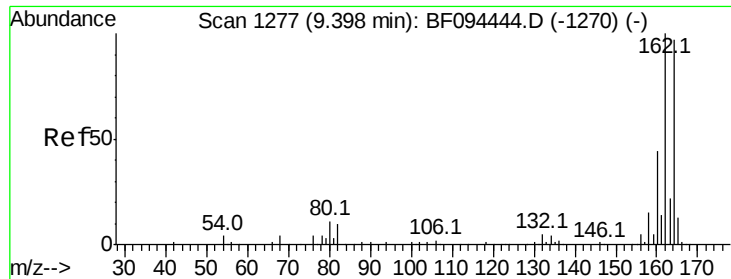
#37
2-Methylnaphthalene
Concen: 3.18 ng
RT: 8.12 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF094750.D
Acq: 1 May 2017 14:44

Tgt Ion:	142	Resp:	42413
Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.3	106.9
115	29.8	27.1	40.7



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

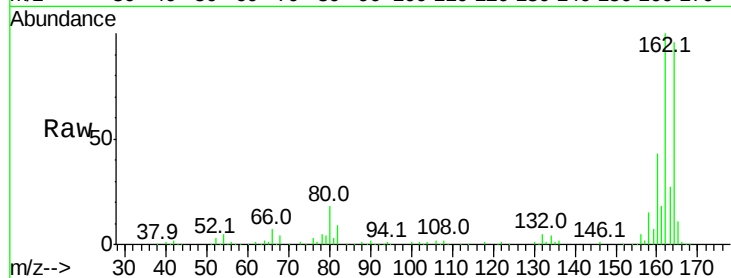




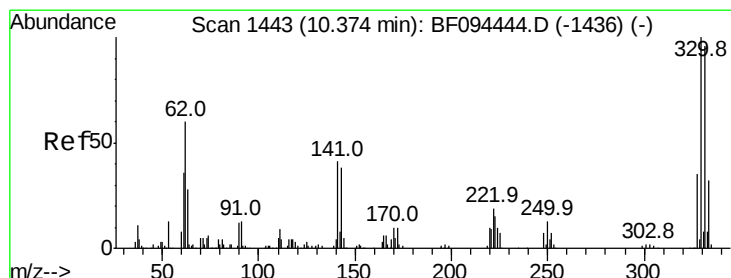
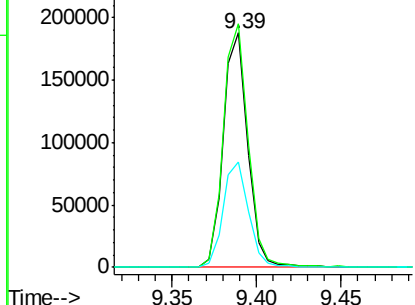
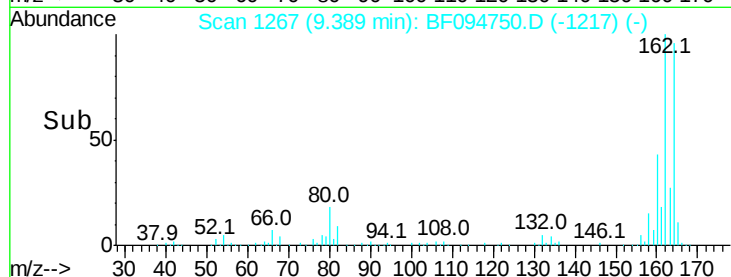
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF094750.D
 Acq: 1 May 2017 14:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 189344
 Ion Ratio Lower Upper
 164 100
 162 103.9 82.6 123.8
 160 44.9 36.2 54.2

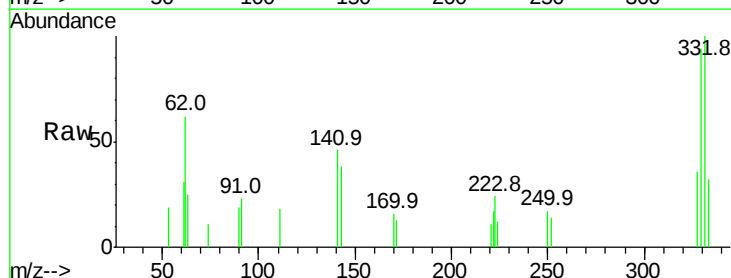


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

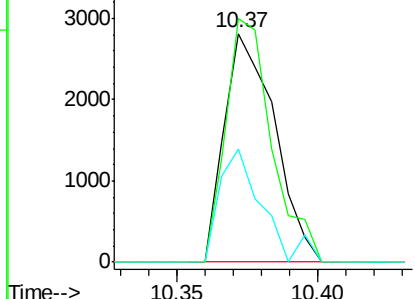
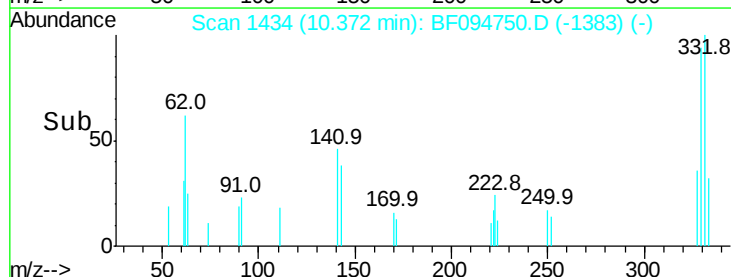


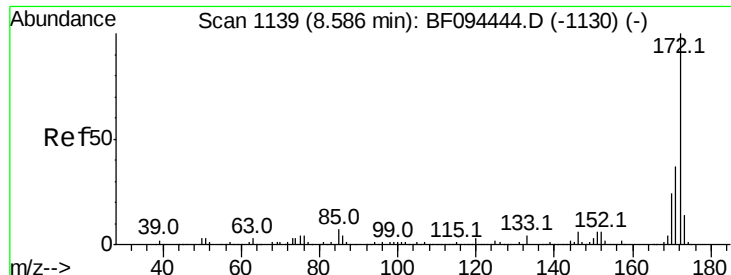
#41
 2,4,6-Tribromophenol
 Concen: 2.34 ng
 RT: 10.37 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: BF094750.D
 Acq: 1 May 2017 14:44

Tgt Ion:330 Resp: 3464
 Ion Ratio Lower Upper
 330 100
 332 98.3 76.6 115.0
 141 42.3 31.4 47.2



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

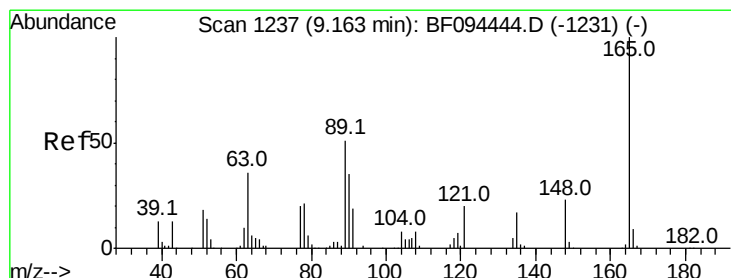
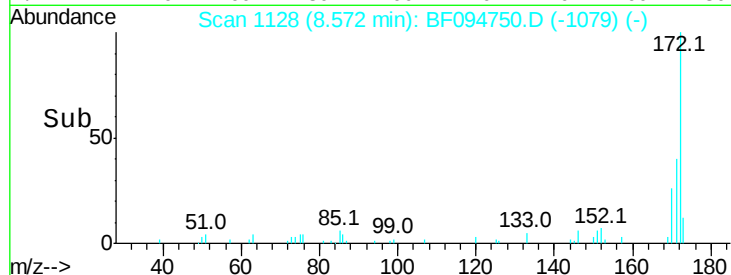
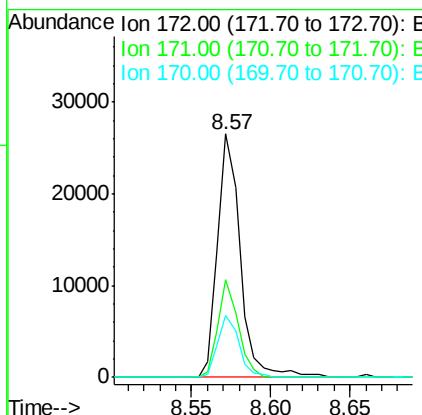
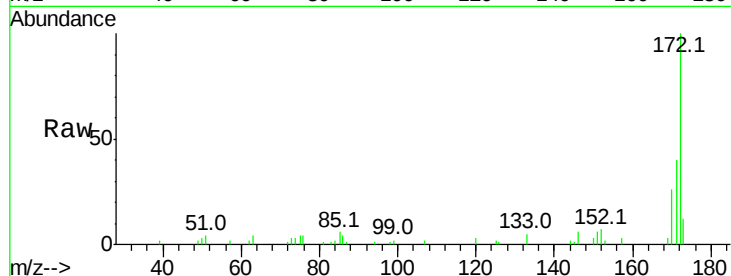




#44
 2-Fluorobiphenyl
 Concen: 2.06 ng
 RT: 8.57 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF094750.D
 Acq: 1 May 2017 14:44

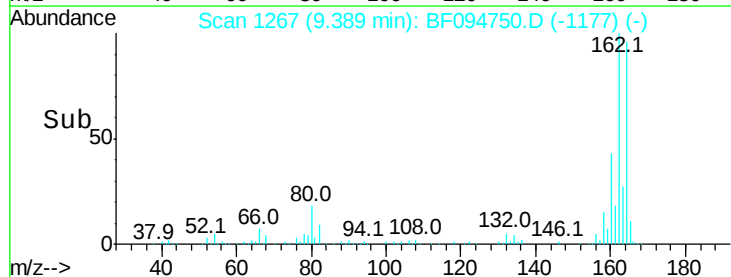
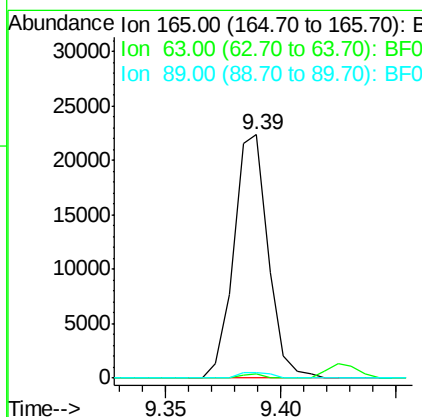
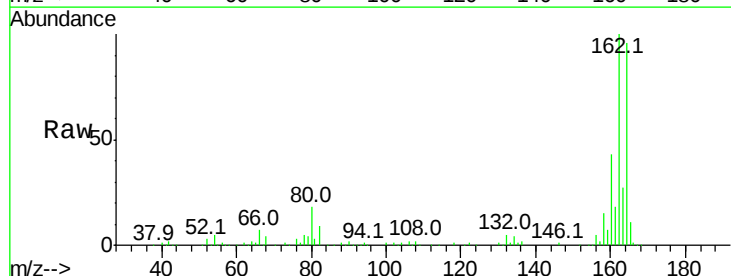
Instrument :
 BNA_F
 ClientSampleId :

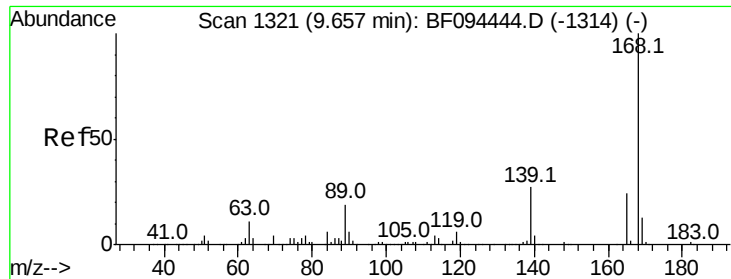
Tot Ion:172 Resp: 26570
 Ion Ratio Lower Upper
 172 100
 171 40.4 29.6 44.4
 170 25.6 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.31 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. 0.23 min
 Lab File: BF094750.D
 Acq: 1 May 2017 14:44

Tgt Ion:165 Resp: 23163
 Ion Ratio Lower Upper
 165 100
 63 1.5 34.3 51.5#
 89 2.4 37.1 55.7#





#56

2,4-Dinitrotoluene

Concen: 5.96 ng

RT: 9.39 min Scan# 1267

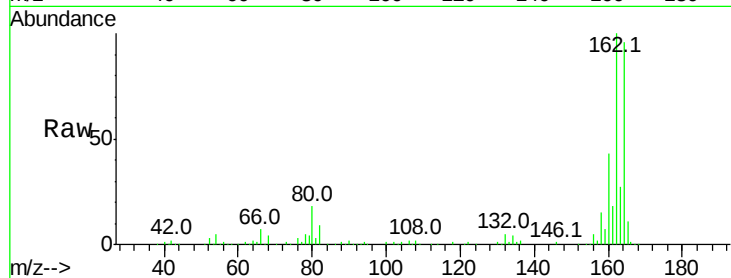
Delta R.T. -0.27 min

Lab File: BF094750.D

Acq: 1 May 2017 14:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	23163
Ion Ratio	Lower	Upper
165	100	
63	1.5	25.4 38.0#
89	2.4	46.4 69.6#
182	0.0	1.8 2.6#

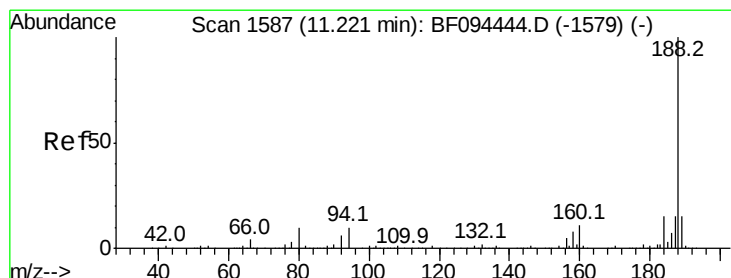
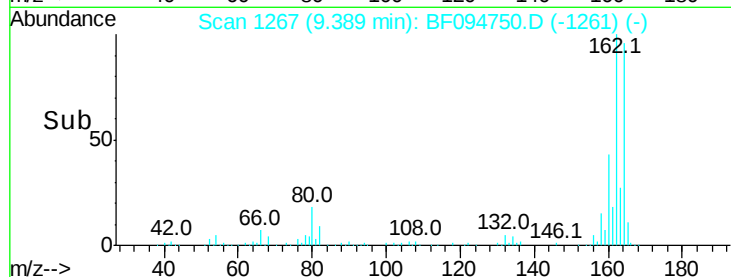
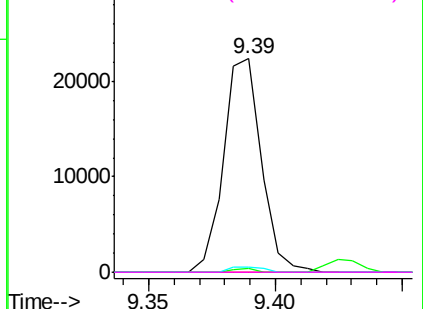


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.00 ng

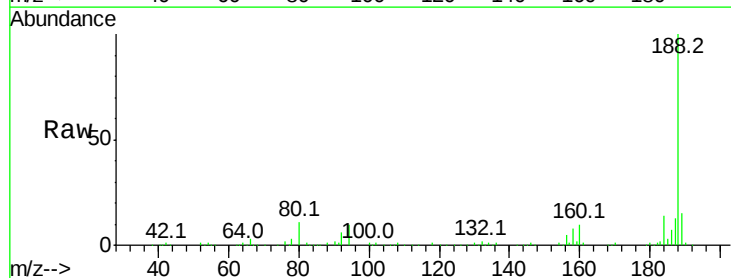
RT: 11.21 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF094750.D

Acq: 1 May 2017 14:44

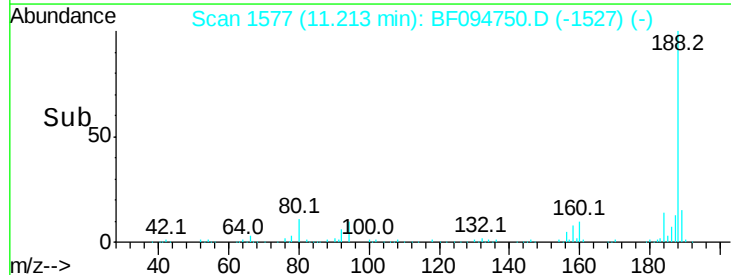
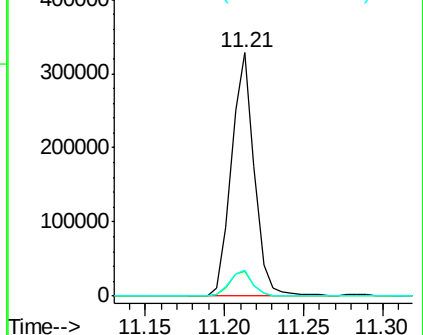
Tgt Ion:188	Resp:	327196
Ion Ratio	Lower	Upper
188	100	
94	10.0	9.4 14.2
80	10.9	10.2 15.2

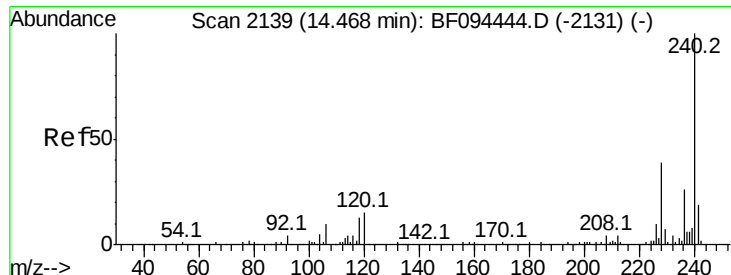


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.46 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BF094750.D

Acq: 1 May 2017 14:44

Instrument :

BNA_F

ClientSampleId :

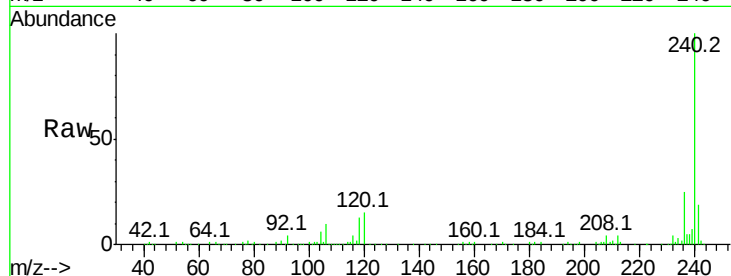
Tot Ion:240 Resp: 253470

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

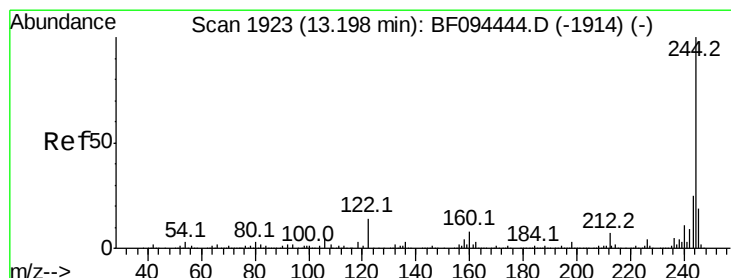
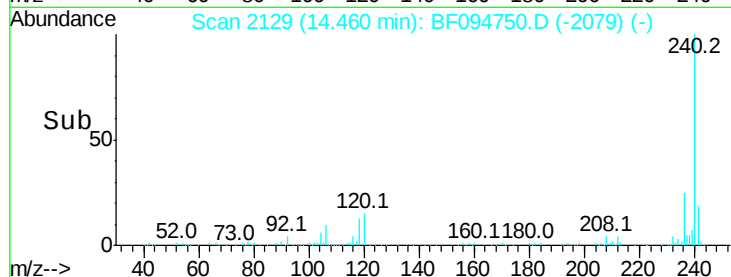
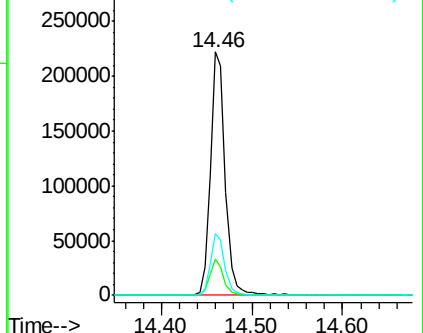
236 25.4 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 2.51 ng

RT: 13.18 min Scan# 1912

Delta R.T. -0.01 min

Lab File: BF094750.D

Acq: 1 May 2017 14:44

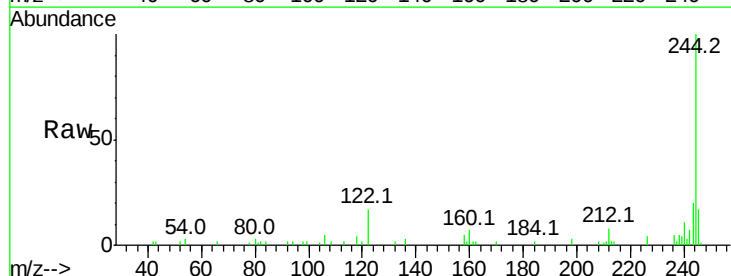
Tgt Ion:244 Resp: 23803

Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

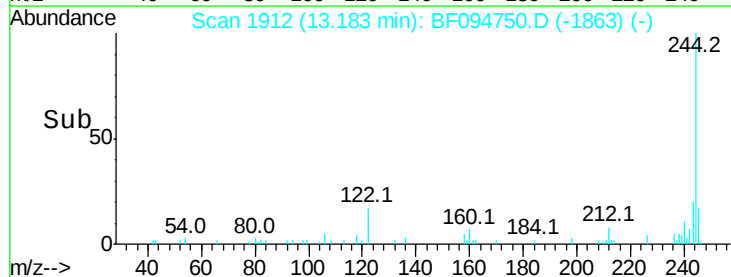
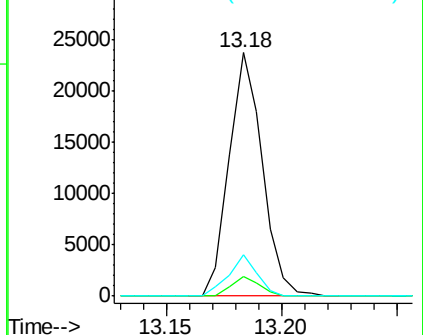
122 16.9 10.3 15.5#

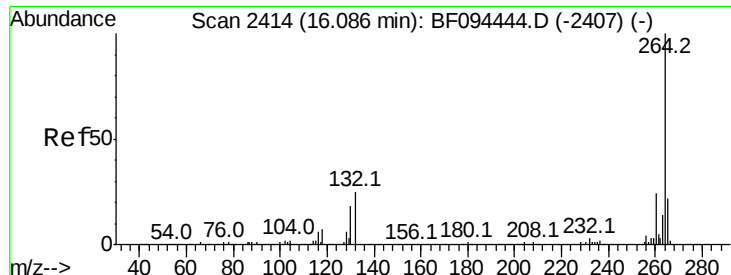


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

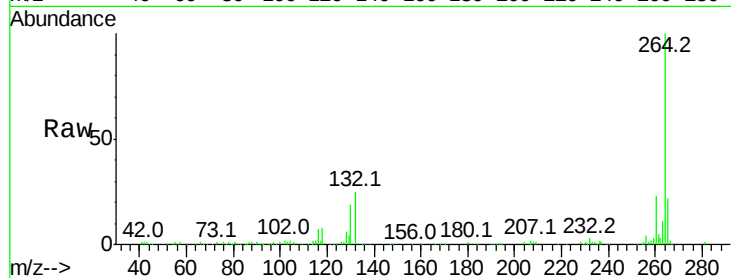




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 16.09 min Scan# 2406
 Delta R.T. 0.00 min
 Lab File: BF094750.D
 Acq: 1 May 2017 14:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.5	29.3
265	22.3	17.2	25.8



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

