

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
 Data File : BF094248.D
 Acq On : 7 Apr 2017 2:48
 Operator : SJ/MA
 Sample : I2574-05
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B57-S1(0-2)

Quant Time: Apr 07 03:14:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

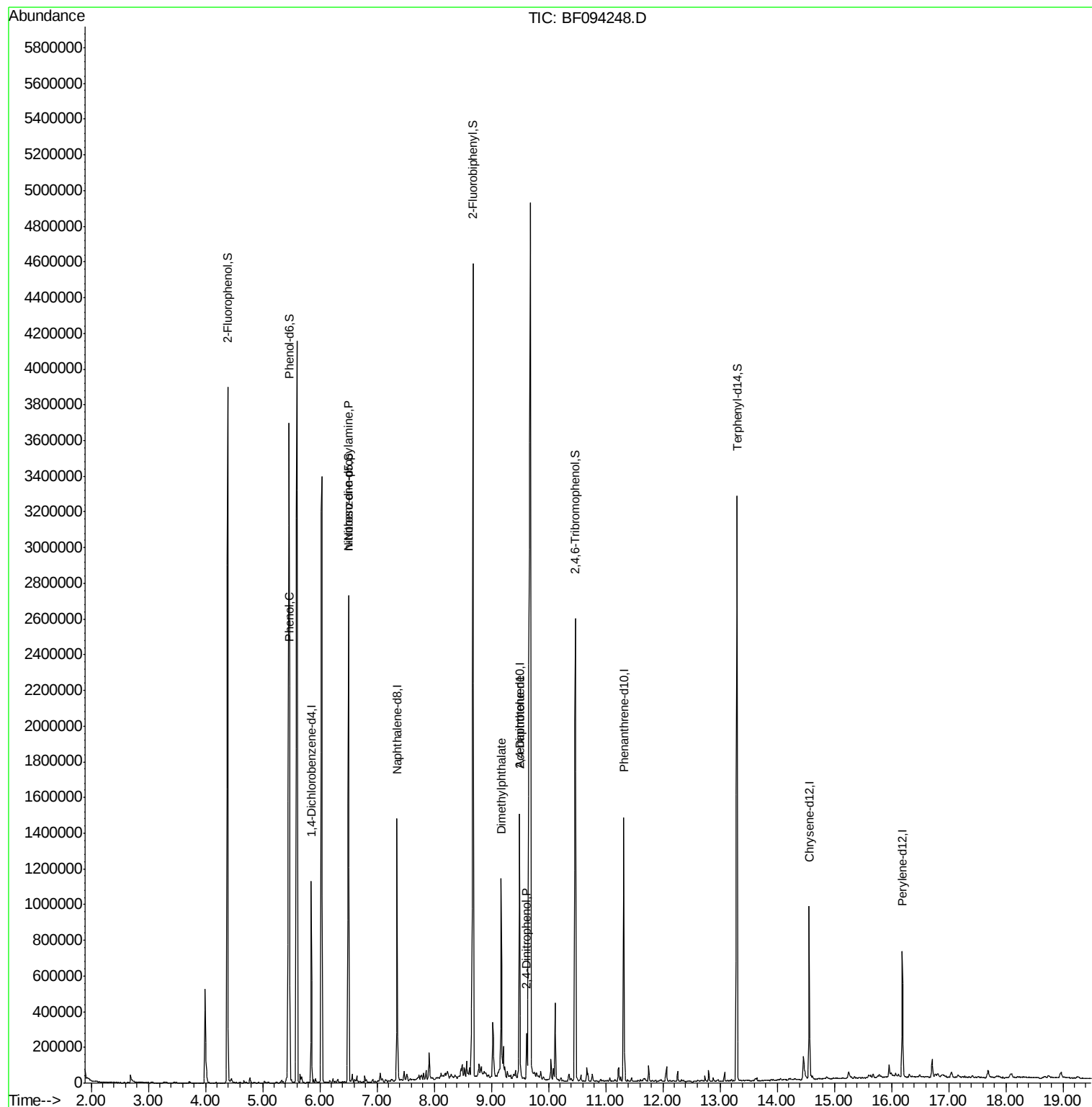
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	174213	20.00	ng	0.00
21) Naphthalene-d8	7.35	136	719301	20.00	ng	-0.01
38) Acenaphthene-d10	9.49	164	332532	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	559776	20.00	ng	0.00
75) Chrysene-d12	14.56	240	366109	20.00	ng	-0.01
86) Perylene-d12	16.19	264	280133	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.39	112	1352765	131.15	ng	0.00
7) Phenol-d6	5.46	99	1801306	141.17	ng	0.00
23) Nitrobenzene-d5	6.50	82	1126359	89.36	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	362161	137.82	ng	0.00
44) 2-Fluorobiphenyl	8.68	172	1718224	78.81	ng	0.00
78) Terphenyl-d14	13.30	244	1221529	74.79	ng	0.00
Target Compounds						
10) Phenol	5.47	94	123176	8.48	ng	85
19) n-Nitroso-di-n-propylamine	6.50	70	150333	18.33	ng	# 78
49) Dimethylphthalate	9.17	163	476050	20.14	ng	99
53) 2,4-Dinitrophenol	9.62	184	441	4.81	ng	# 1
56) 2,4-Dinitrotoluene	9.49	165	43138	6.34	ng	# 33

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.85 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF094248.D

Acq: 7 Apr 2017 2:48

Instrument :

BNA_F

ClientSampleId :

B57-S1(0-2)

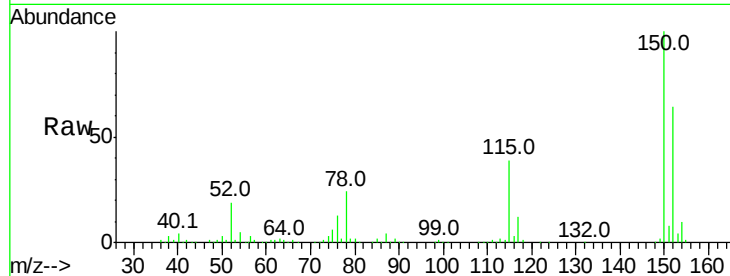
Tot Ion:152 Resp: 174213

Ion Ratio Lower Upper

152 100

150 156.8 126.2 189.2

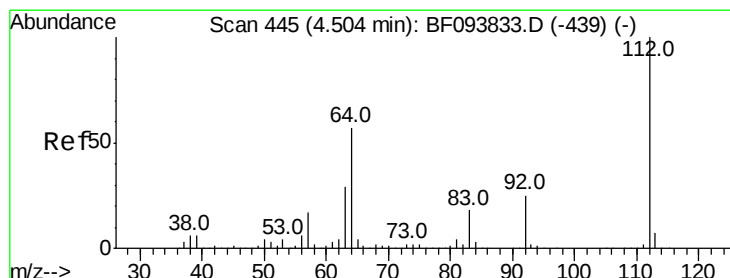
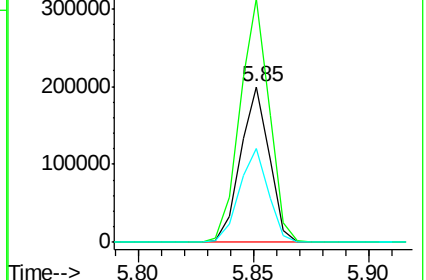
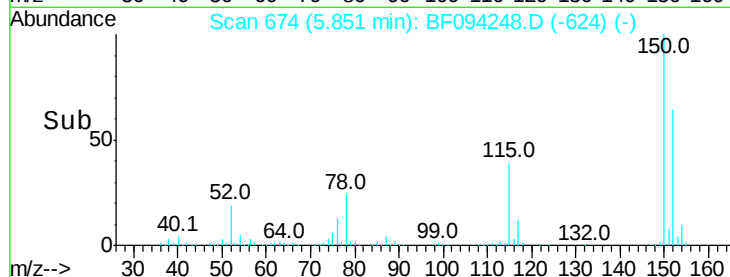
115 60.8 52.2 78.2



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: 131.15 ng

RT: 4.39 min Scan# 425

Delta R.T. -0.00 min

Lab File: BF094248.D

Acq: 7 Apr 2017 2:48

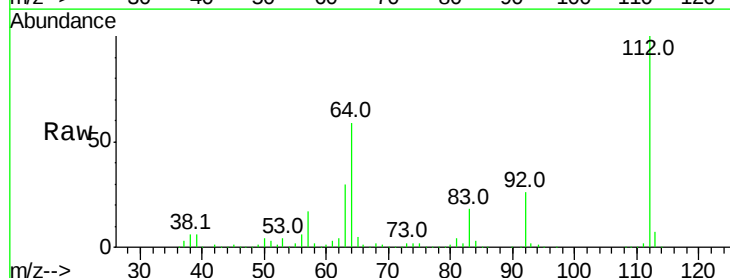
Tgt Ion:112 Resp: 1352765

Ion Ratio Lower Upper

112 100

64 58.7 46.0 69.0

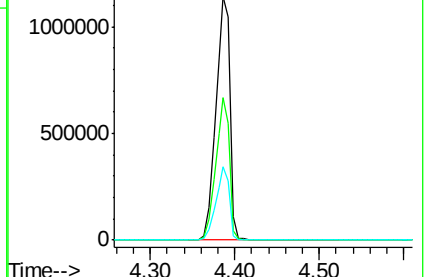
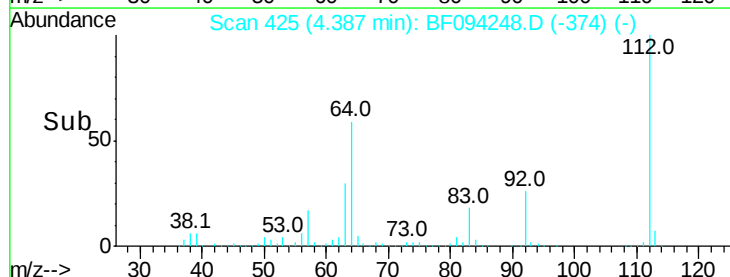
63 29.9 23.4 35.0



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: 141.17 ng

RT: 5.46 min Scan# 608

Delta R.T. -0.00 min

Lab File: BF094248.D

Acq: 7 Apr 2017 2:48

Instrument :

BNA_F

ClientSampleId :

B57-S1(0-2)

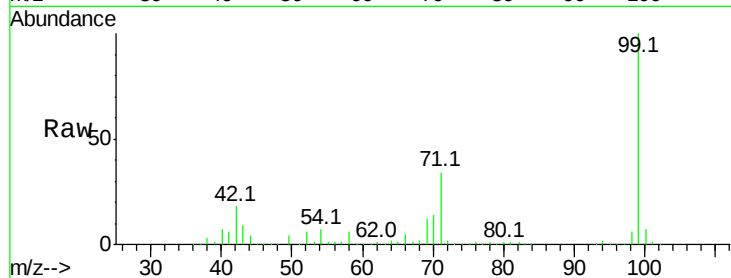
Tot Ion: 99 Resp: 1801306

Ion Ratio Lower Upper

99 100

42 17.7 13.5 20.3

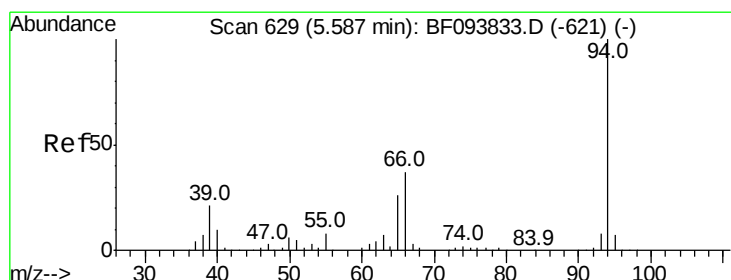
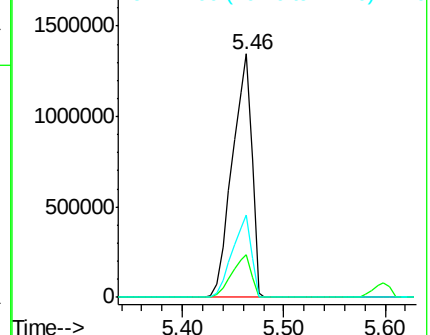
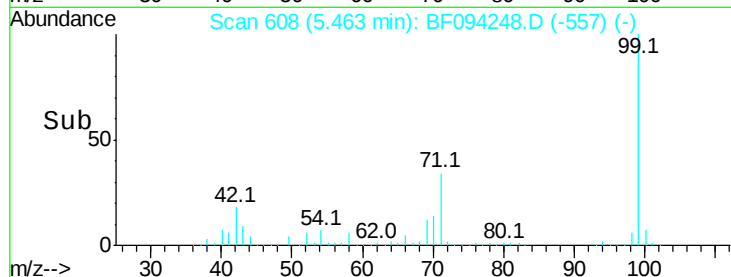
71 34.0 24.5 36.7



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



#10

Phenol

Concen: 8.48 ng

RT: 5.47 min Scan# 610

Delta R.T. -0.01 min

Lab File: BF094248.D

Acq: 7 Apr 2017 2:48

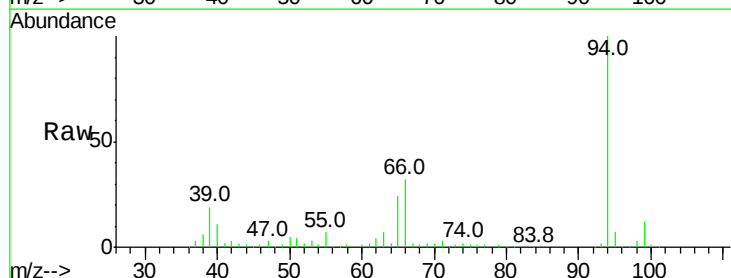
Tgt Ion: 94 Resp: 123176

Ion Ratio Lower Upper

94 100

65 23.8 9.9 49.9

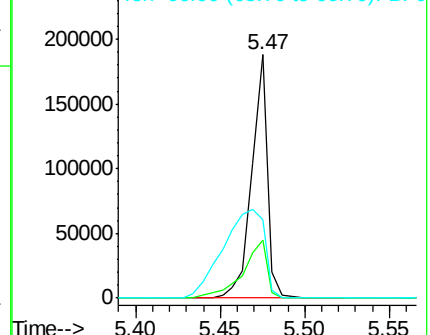
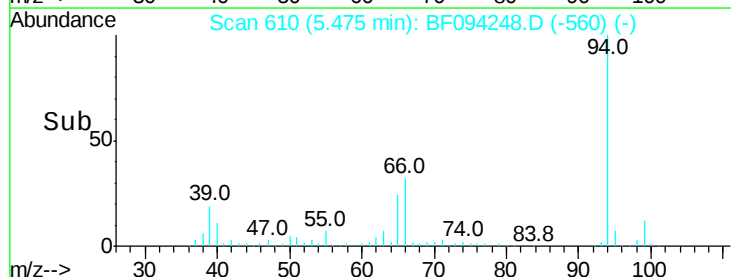
66 32.3 23.1 63.1



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: 18.33 ng

RT: 6.50 min Scan# 785

Delta R.T. 0.16 min

Lab File: BF094248.D

Acq: 7 Apr 2017 2:48

Instrument :

BNA_F

ClientSampleId :

B57-S1(0-2)

Tot Ion: 70 Resp: 150333

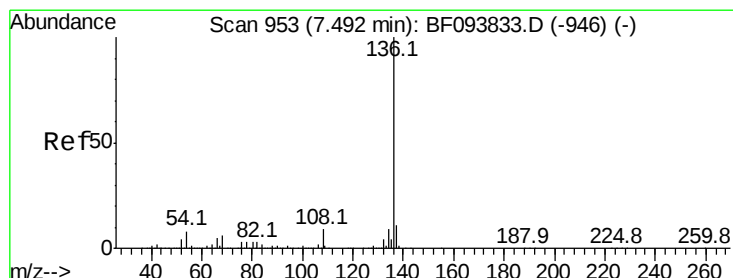
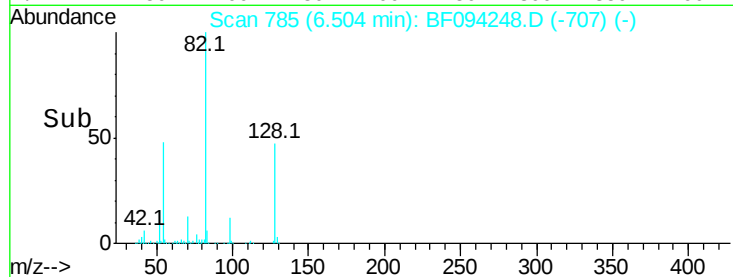
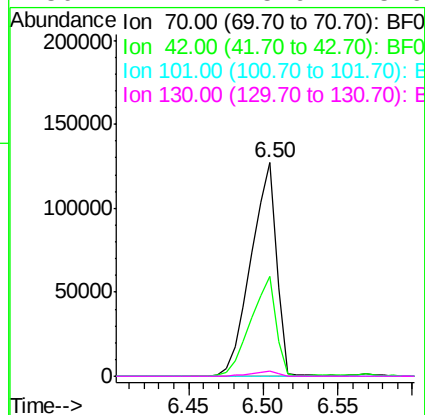
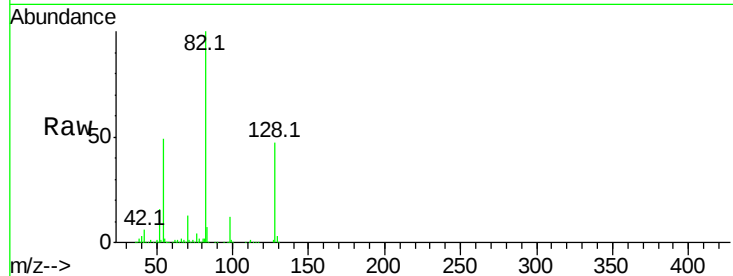
Ion Ratio Lower Upper

70 100

42 46.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.35 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF094248.D

Acq: 7 Apr 2017 2:48

Tgt Ion: 136 Resp: 719301

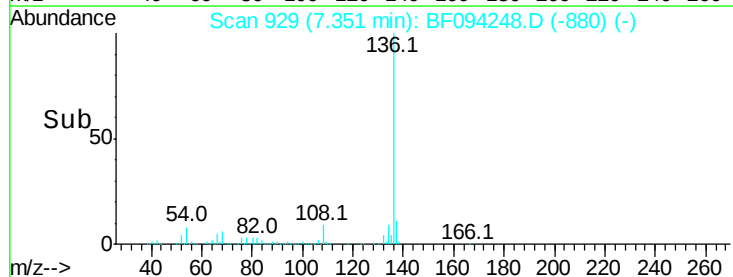
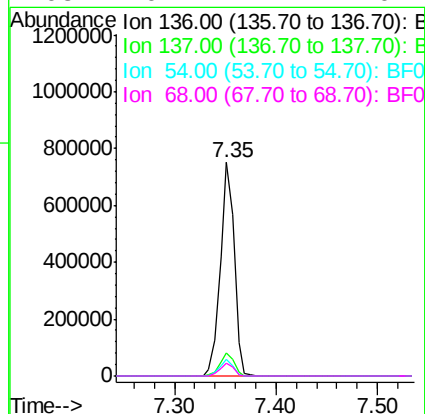
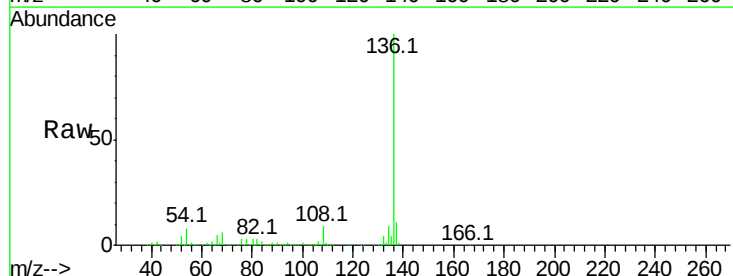
Ion Ratio Lower Upper

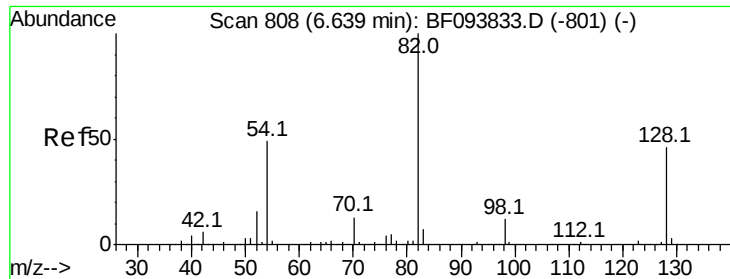
136 100

137 10.8 8.5 12.7

54 7.8 4.9 7.3#

68 6.1 4.1 6.1#



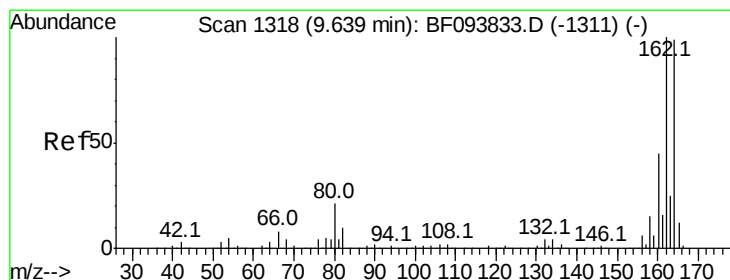
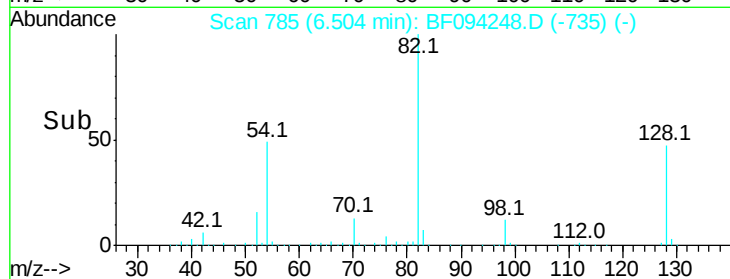
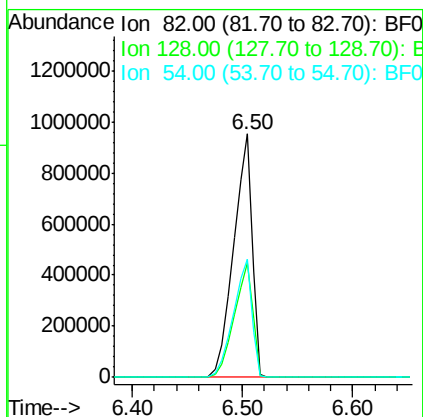
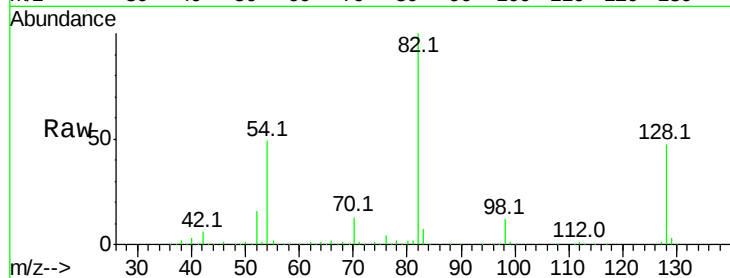


#23
 Nitrobenzene-d5
 Concen: 89.36 ng
 RT: 6.50 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF094248.D
 Acq: 7 Apr 2017 2:48

Instrument :
 BNA_F
 ClientSampleId :
 B57-S1(0-2)

Tot Ion: 82 Resp: 1126359

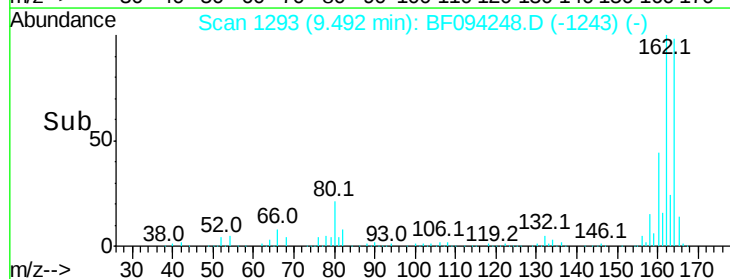
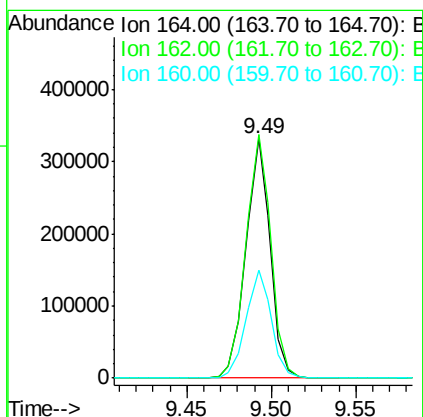
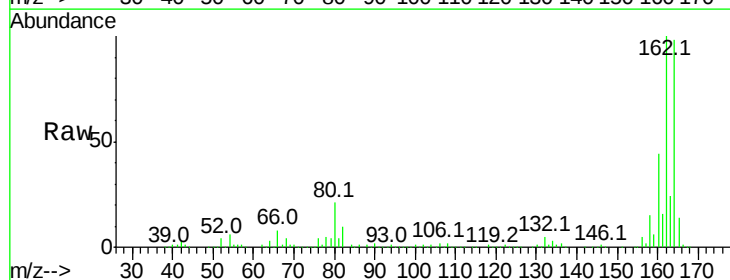
Ion	Ratio	Lower	Upper
82	100		
128	46.8	34.0	51.0
54	48.5	42.2	63.2

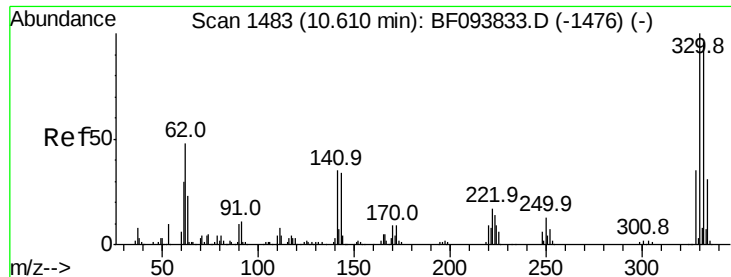


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF094248.D
 Acq: 7 Apr 2017 2:48

Tgt Ion:164 Resp: 332532

Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.6	123.8
160	45.0	36.2	54.2

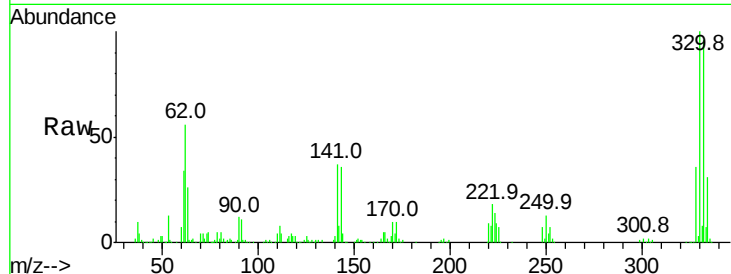




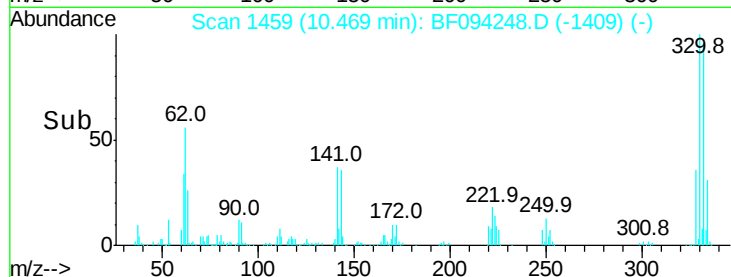
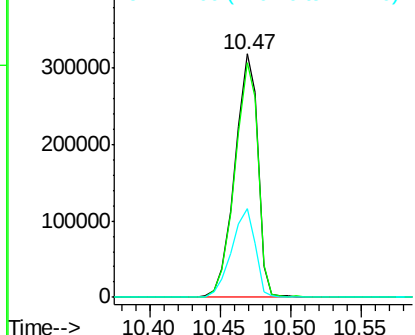
#41
 2,4,6-Tribromophenol
 Concen: 137.82 ng
 RT: 10.47 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF094248.D
 Acq: 7 Apr 2017 2:48

Instrument :
 BNA_F
 ClientSampleId :
 B57-S1(0-2)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.6	115.0
141	37.7	31.4	47.2

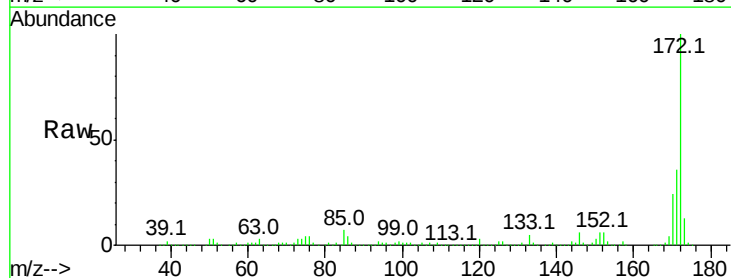


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

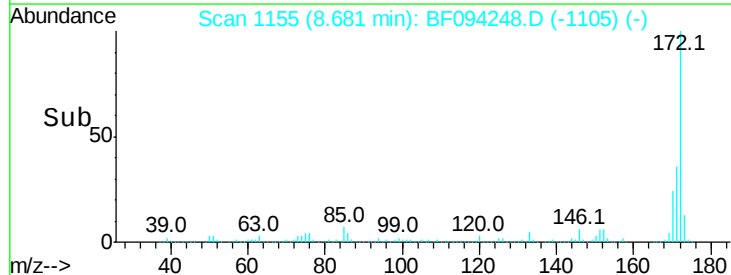
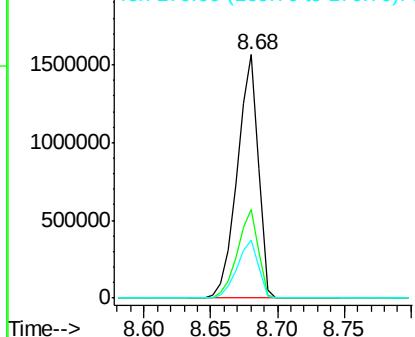


#44
 2-Fluorobiphenyl
 Concen: 78.81 ng
 RT: 8.68 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF094248.D
 Acq: 7 Apr 2017 2:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	24.0	19.8	29.8



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

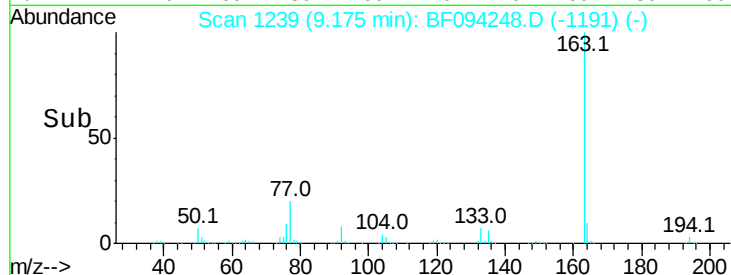
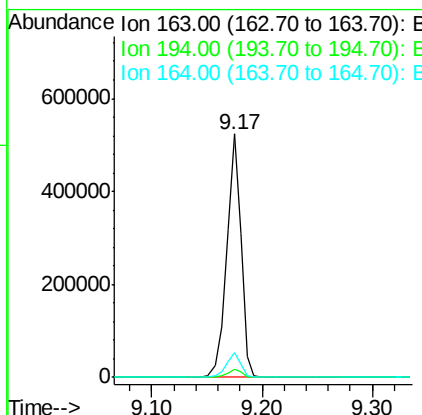
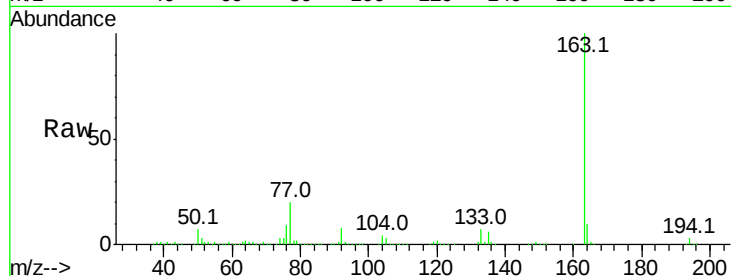




#49
Dimethylphthalate
Concen: 20.14 ng
RT: 9.17 min Scan# 1239
Delta R.T. -0.02 min
Lab File: BF094248.D
Acq: 7 Apr 2017 2:48

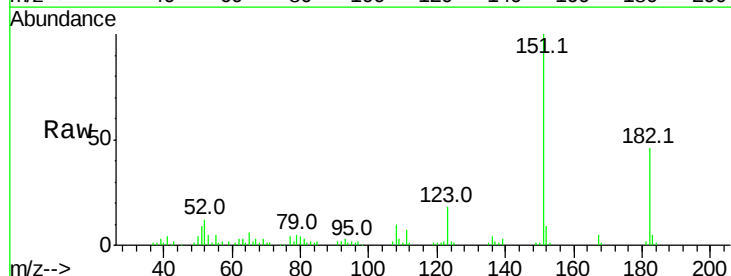
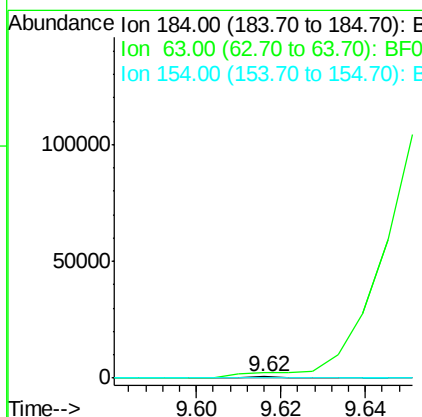
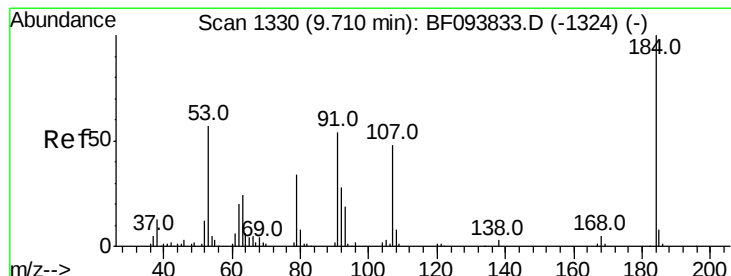
Instrument :
BNA_F
ClientSampleId :
B57-S1(0-2)

Tot Ion:163 Resp: 476050
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.0 8.4 12.6



#53
2,4-Dinitrophenol
Concen: 4.81 ng
RT: 9.62 min Scan# 1314
Delta R.T. 0.02 min
Lab File: BF094248.D
Acq: 7 Apr 2017 2:48

Tgt Ion:184 Resp: 441
Ion Ratio Lower Upper
184 100
63 514.4 62.7 94.1#
154 0.0 81.1 121.7#

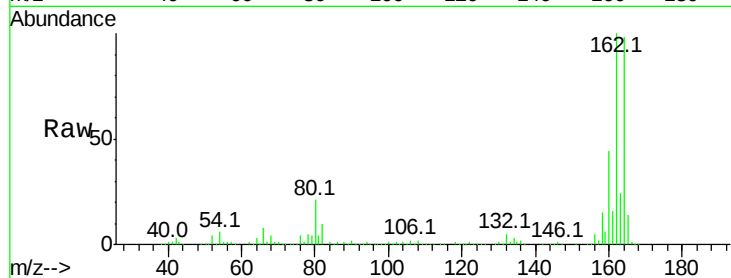




#56
 2,4-Dinitrotoluene
 Concen: 6.34 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.26 min
 Lab File: BF094248.D
 Acq: 7 Apr 2017 2:48

Instrument :
 BNA_F
 ClientSampleId :
 B57-S1(0-2)

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	1.1	46.4	69.6#
182	0.0	1.8	2.6#

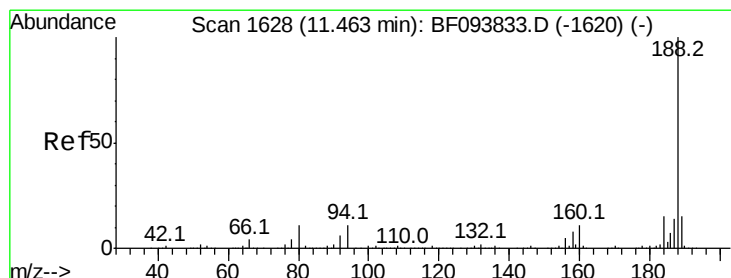
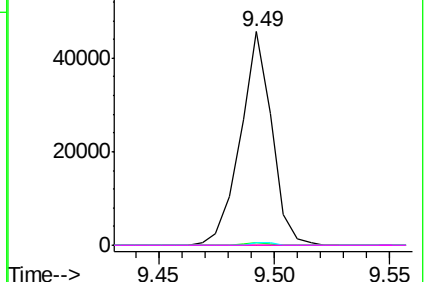
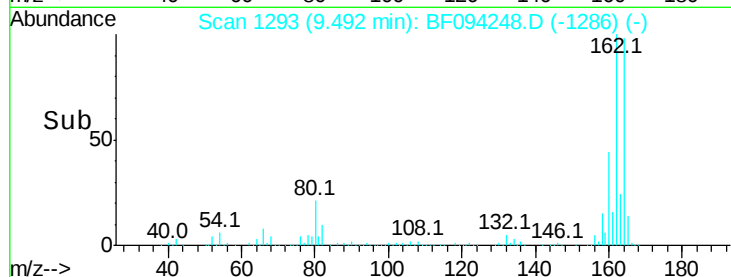


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

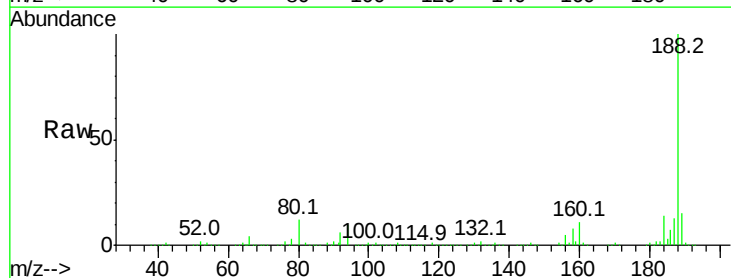
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF094248.D
 Acq: 7 Apr 2017 2:48

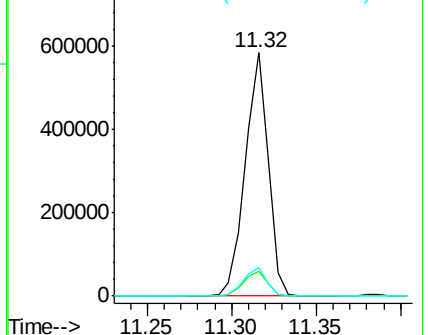
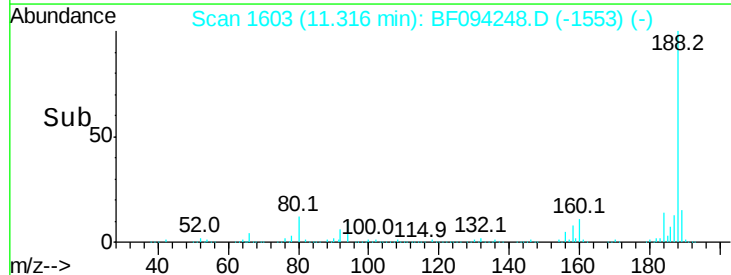
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	9.4	14.2
80	11.5	10.2	15.2

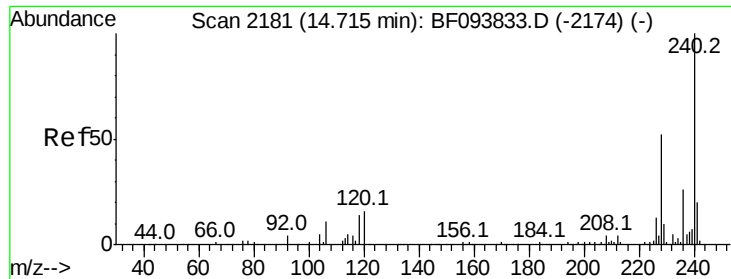


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.56 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BF094248.D

Acq: 7 Apr 2017 2:48

Instrument :

BNA_F

ClientSampleId :

B57-S1(0-2)

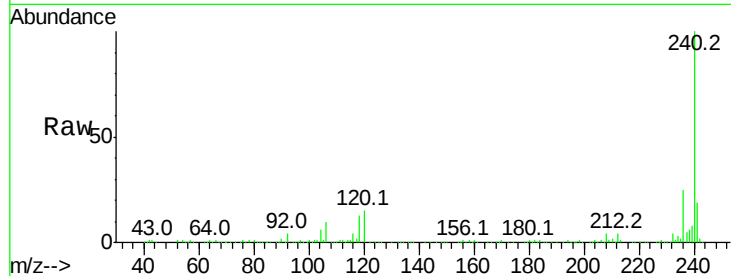
Tot Ion:240 Resp: 366109

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

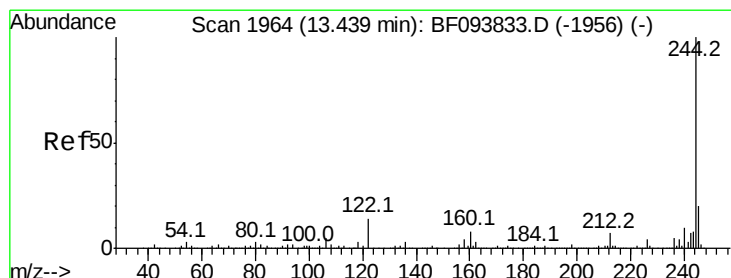
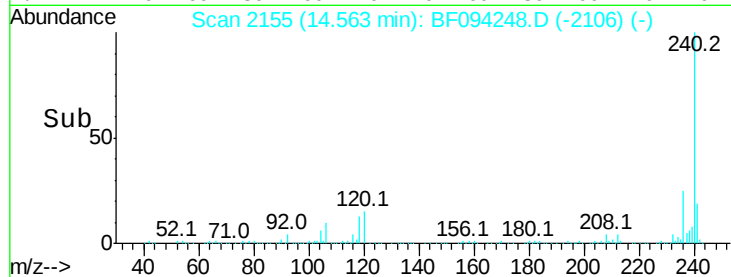
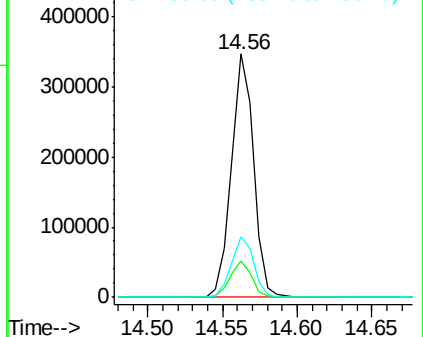
236 24.9 20.5 30.7



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: 74.79 ng

RT: 13.30 min Scan# 1940

Delta R.T. -0.00 min

Lab File: BF094248.D

Acq: 7 Apr 2017 2:48

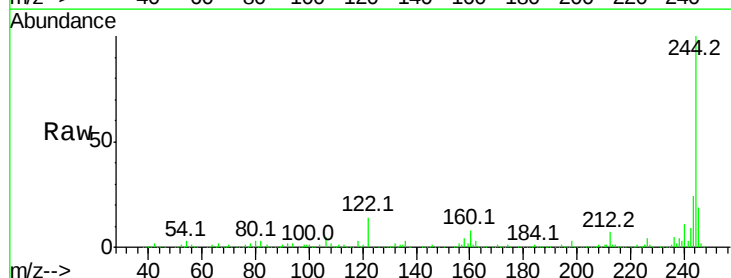
Tgt Ion:244 Resp: 1221529

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

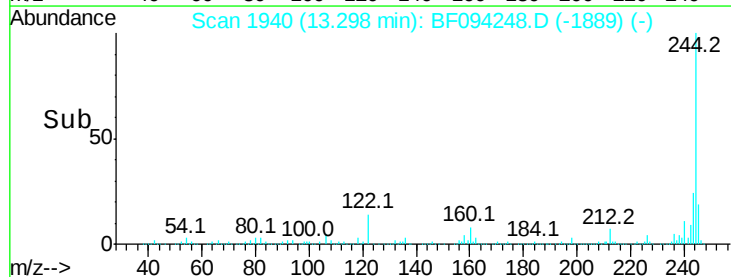
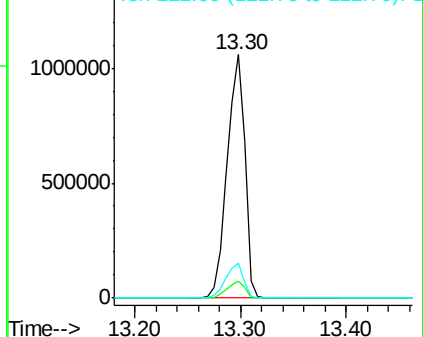
122 14.1 10.3 15.5

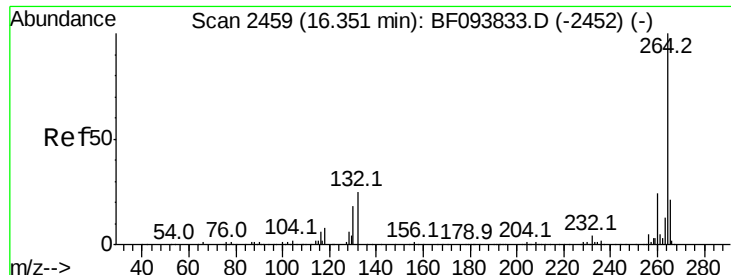


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

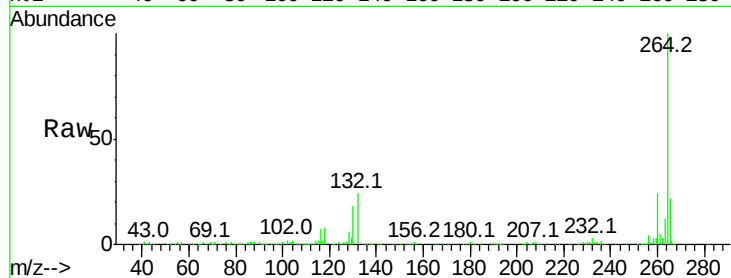




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 16.19 min Scan# 2432
 Delta R.T. -0.00 min
 Lab File: BF094248.D
 Acq: 7 Apr 2017 2:48

Instrument :
 BNA_F
 ClientSampleId :
 B57-S1(0-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.6	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

