

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
 Data File : BF094356.D
 Acq On : 11 Apr 2017 18:01
 Operator : SJ/MA
 Sample : I2616-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 00:49:47 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

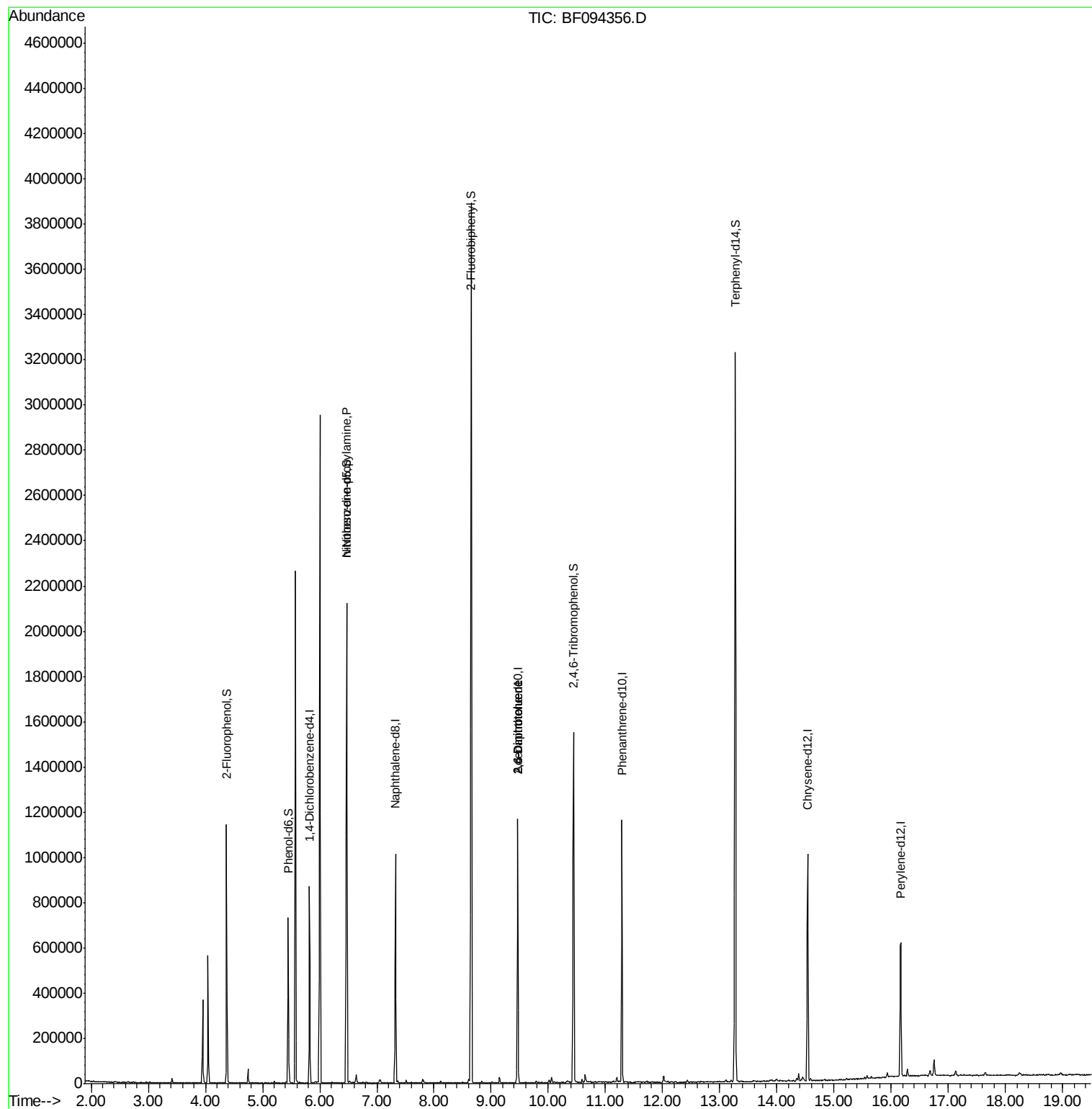
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.82	152	138906	20.00	ng	-0.04
21) Naphthalene-d8	7.33	136	559970	20.00	ng	-0.04
38) Acenaphthene-d10	9.46	164	266110	20.00	ng	-0.04
63) Phenanthrene-d10	11.29	188	468920	20.00	ng	-0.04
75) Chrysene-d12	14.54	240	370735	20.00	ng	-0.04
86) Perylene-d12	16.17	264	239291	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.37	112	339397	41.27	ng	-0.02
7) Phenol-d6	5.45	99	254967	25.06	ng	-0.02
23) Nitrobenzene-d5	6.47	82	878015	89.48	ng	-0.04
41) 2,4,6-Tribromophenol	10.44	330	193677	92.10	ng	-0.03
44) 2-Fluorobiphenyl	8.65	172	1617139	92.69	ng	-0.04
78) Terphenyl-d14	13.27	244	1207430	73.00	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.47	70	116126	17.76	ng	# 75
50) 2,6-Dinitrotoluene	9.46	165	33767	7.79	ng	# 34
56) 2,4-Dinitrotoluene	9.46	165	33767	6.20	ng	# 33

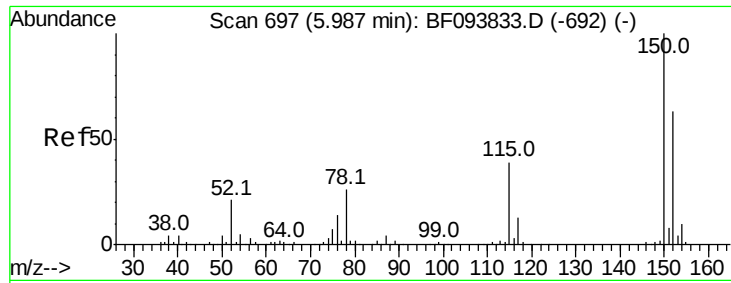
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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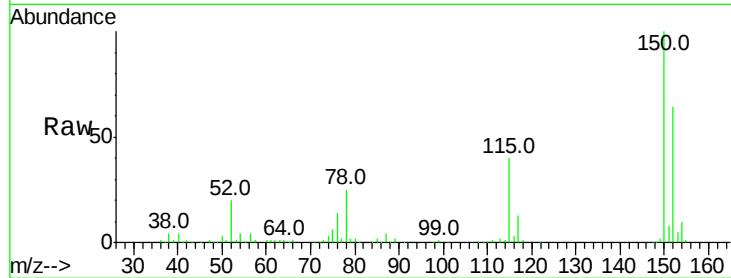


#1

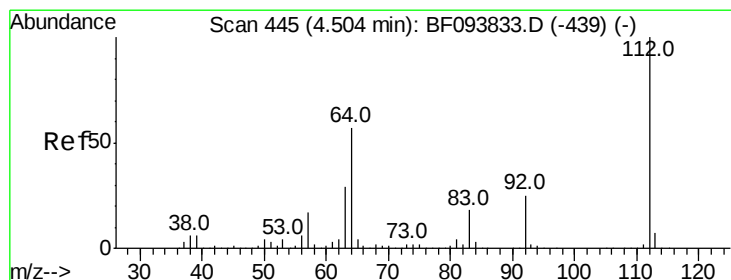
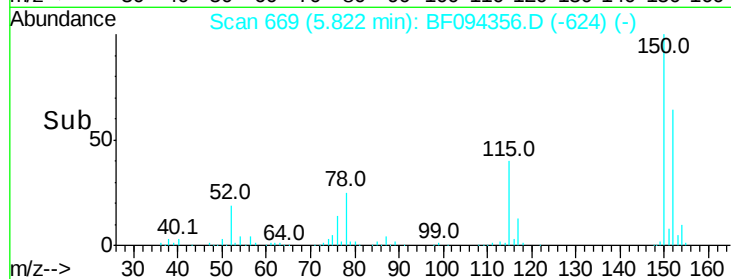
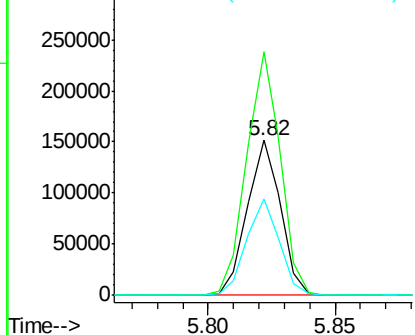
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.82 min Scan# 669
 Delta R.T. -0.04 min
 Lab File: BF094356.D
 Acq: 11 Apr 2017 18:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 138906
 Ion Ratio Lower Upper
 152 100
 150 157.0 126.2 189.2
 115 62.4 52.2 78.2



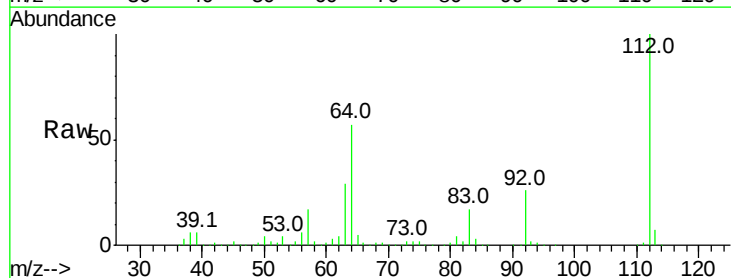
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



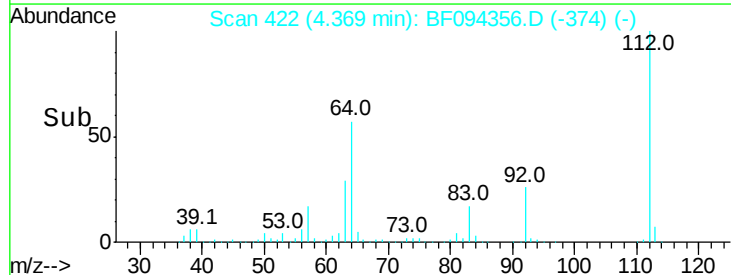
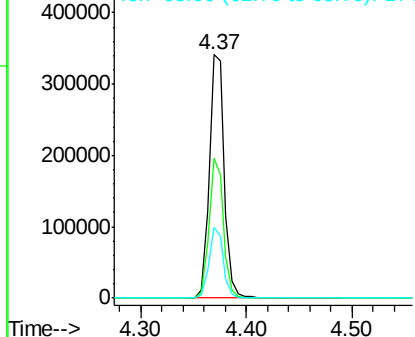
#5

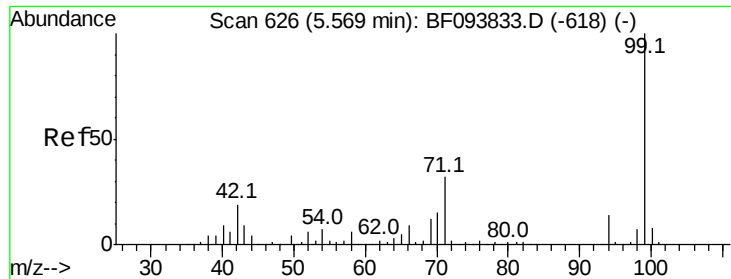
2-Fluorophenol
 Concen: 41.27 ng
 RT: 4.37 min Scan# 422
 Delta R.T. -0.02 min
 Lab File: BF094356.D
 Acq: 11 Apr 2017 18:01

Tgt Ion:112 Resp: 339397
 Ion Ratio Lower Upper
 112 100
 64 57.3 46.0 69.0
 63 29.3 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: 25.06 ng

RT: 5.45 min Scan# 605

Delta R.T. -0.02 min

Lab File: BF094356.D

Acq: 11 Apr 2017 18:01

Instrument :

BNA_F

ClientSampleId :

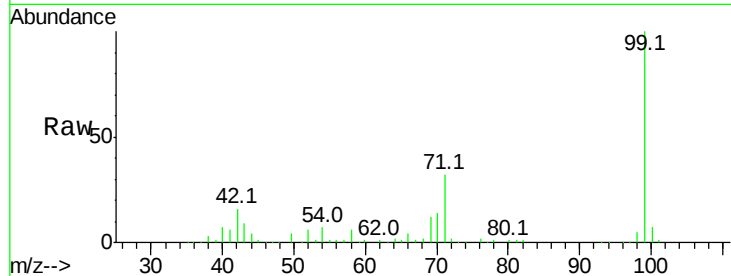
Tot Ion: 99 Resp: 254967

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

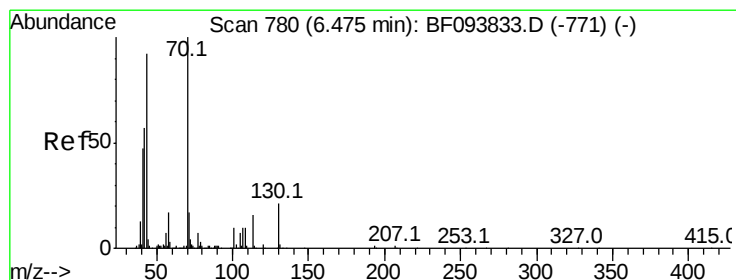
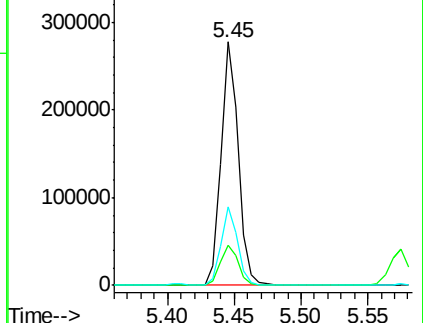
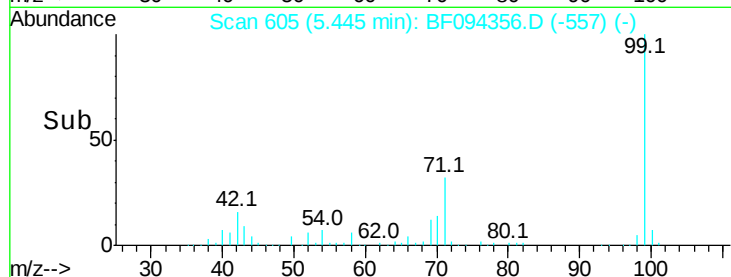
71 32.1 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.76 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.13 min

Lab File: BF094356.D

Acq: 11 Apr 2017 18:01

Tgt Ion: 70 Resp: 116126

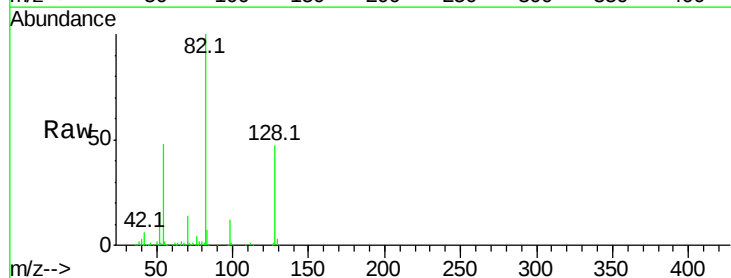
Ion Ratio Lower Upper

70 100

42 43.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

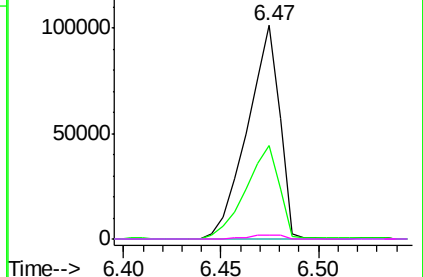
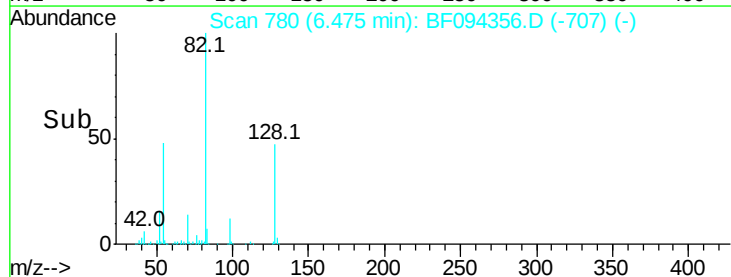


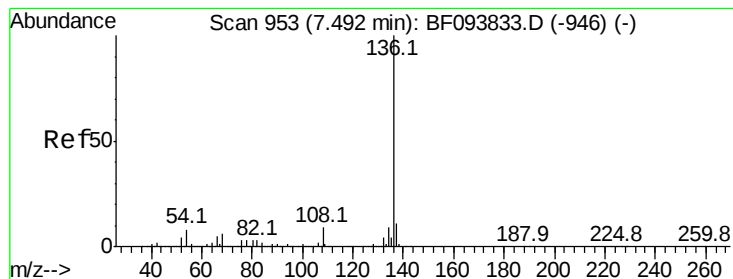
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.33 min Scan# 925

Delta R.T. -0.04 min

Lab File: BF094356.D

Acq: 11 Apr 2017 18:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 559970

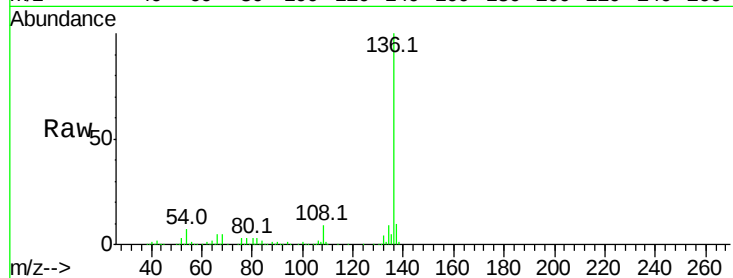
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.6 4.9 7.3

68 5.3 4.1 6.1

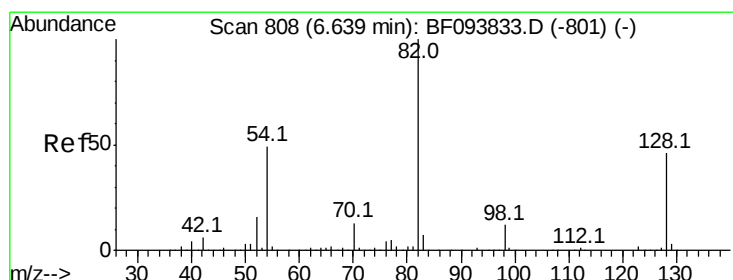
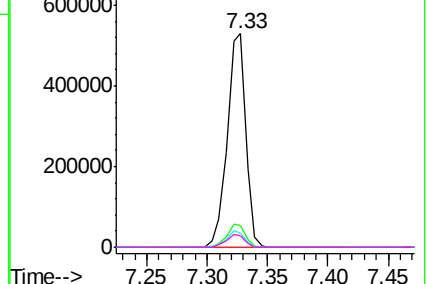
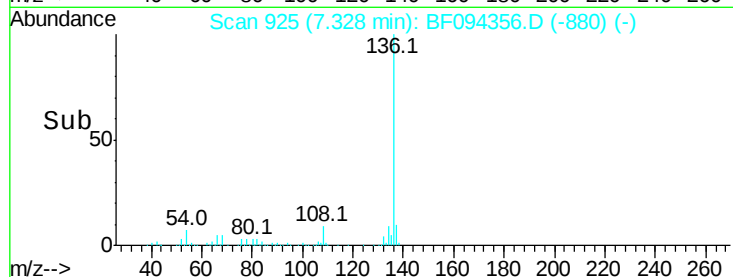


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.48 ng

RT: 6.47 min Scan# 780

Delta R.T. -0.04 min

Lab File: BF094356.D

Acq: 11 Apr 2017 18:01

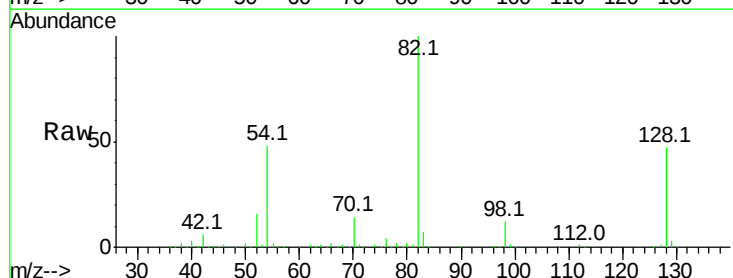
Tgt Ion: 82 Resp: 878015

Ion Ratio Lower Upper

82 100

128 47.0 34.0 51.0

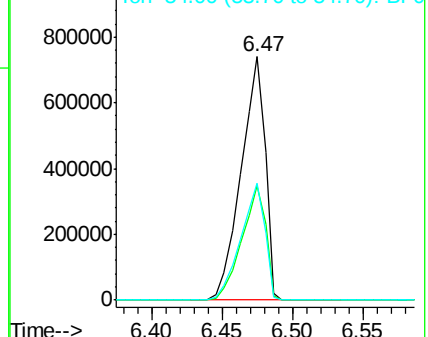
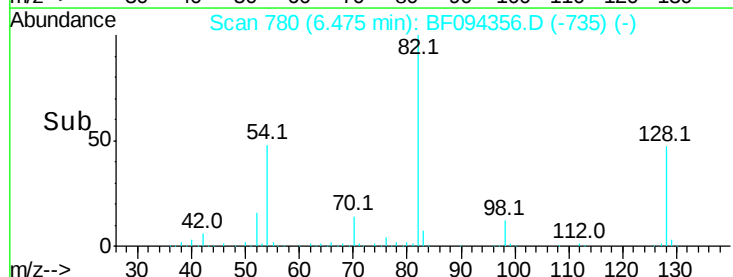
54 48.0 42.2 63.2

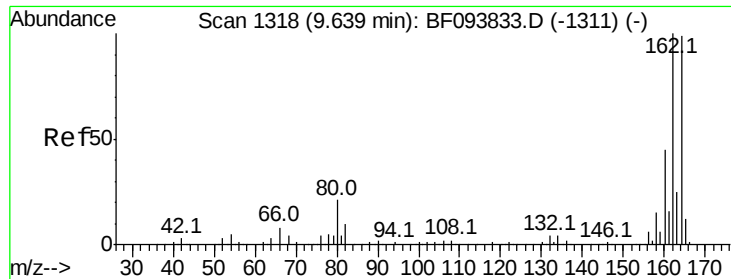


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

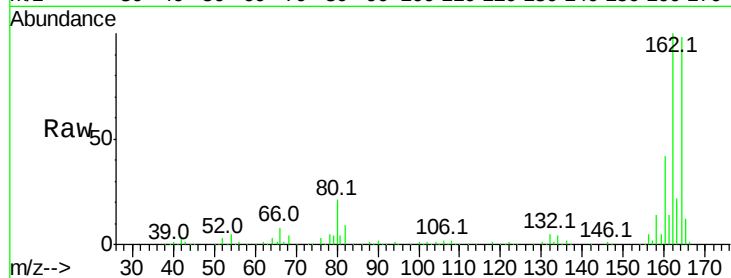




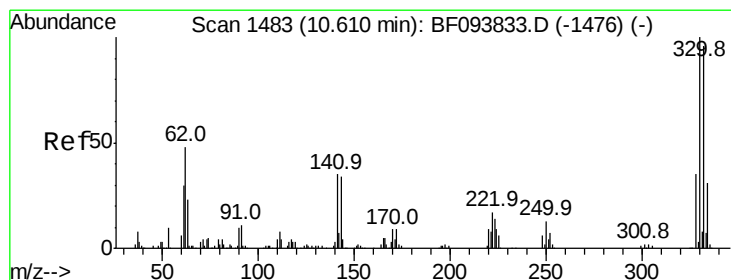
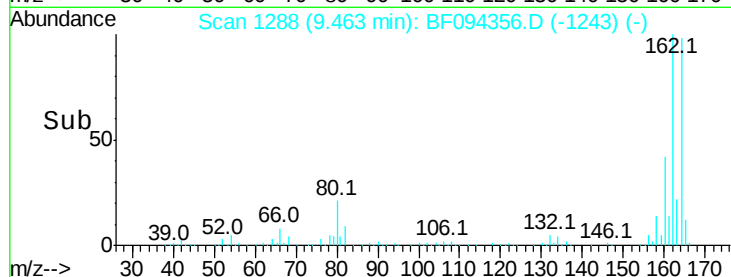
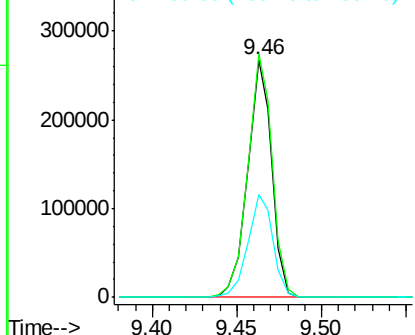
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.46 min Scan# 1288
 Delta R.T. -0.04 min
 Lab File: BF094356.D
 Acq: 11 Apr 2017 18:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 266110
 Ion Ratio Lower Upper
 164 100
 162 102.4 82.6 123.8
 160 43.5 36.2 54.2

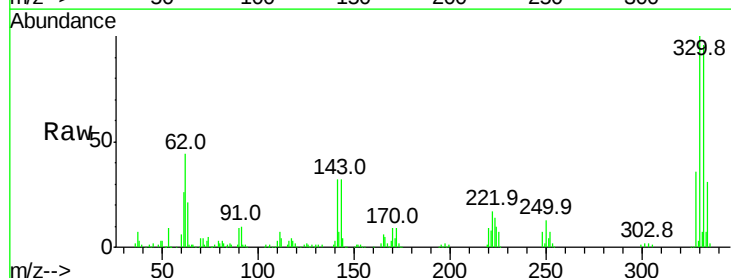


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

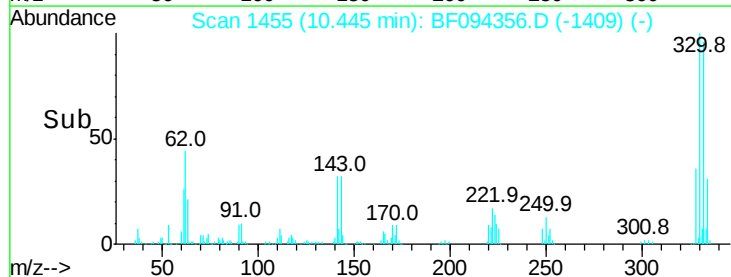
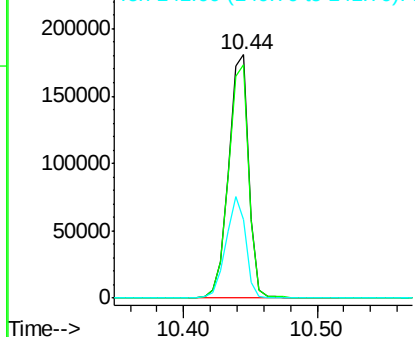


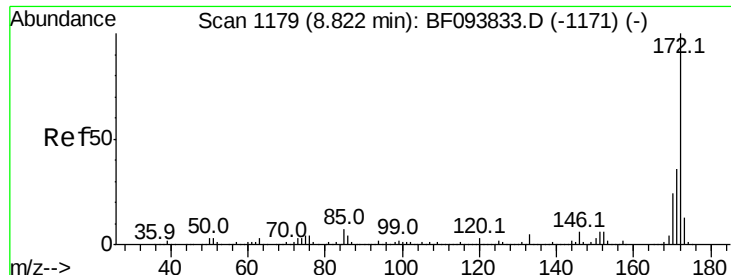
#41
 2,4,6-Tribromophenol
 Concen: 92.10 ng
 RT: 10.44 min Scan# 1455
 Delta R.T. -0.03 min
 Lab File: BF094356.D
 Acq: 11 Apr 2017 18:01

Tgt Ion:330 Resp: 193677
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 115.0
 141 40.8 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



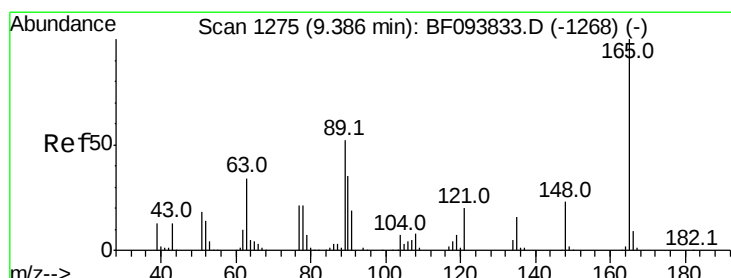
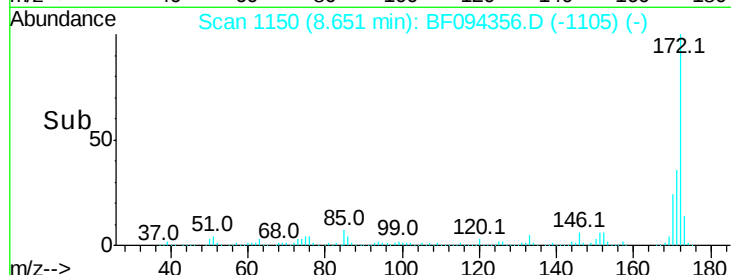
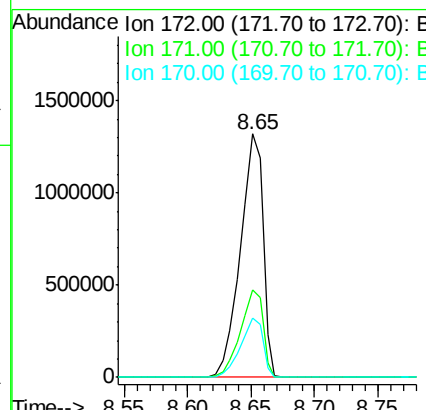
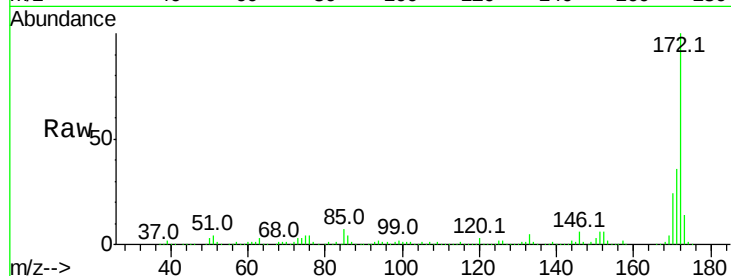


#44
 2-Fluorobiphenyl
 Concen: 92.69 ng
 RT: 8.65 min Scan# 1150
 Delta R.T. -0.04 min
 Lab File: BF094356.D
 Acq: 11 Apr 2017 18:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1617139

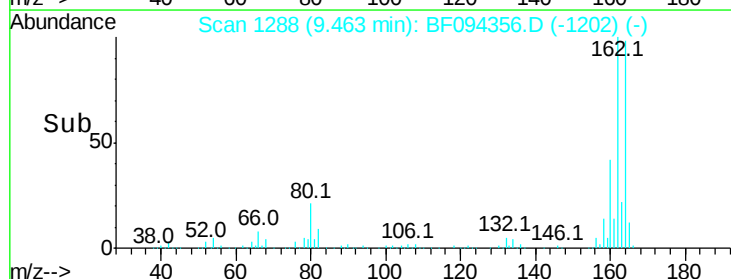
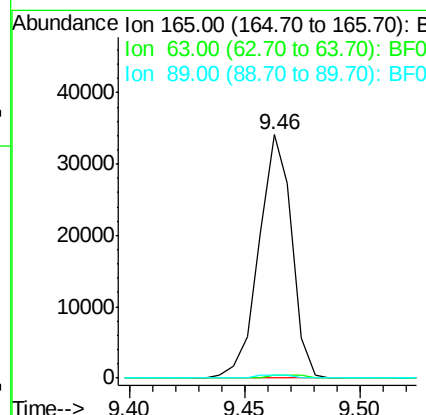
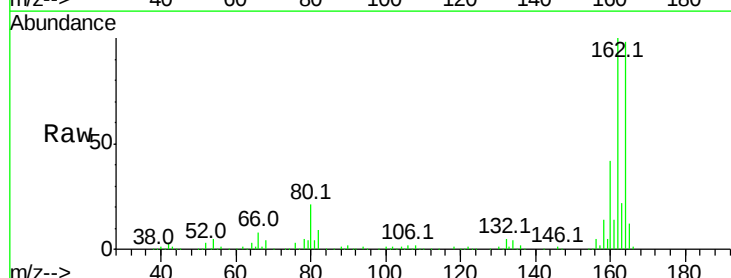
Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	24.2	19.8	29.8

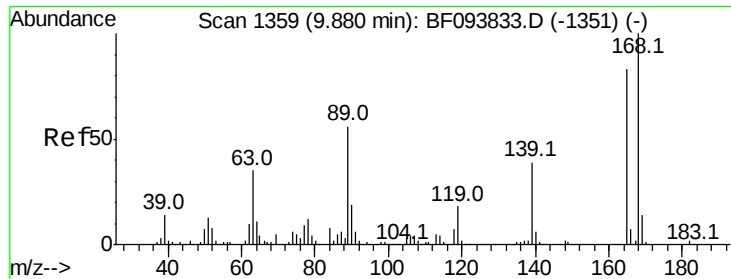


#50
 2,6-Dinitrotoluene
 Concen: 7.79 ng
 RT: 9.46 min Scan# 1288
 Delta R.T. 0.21 min
 Lab File: BF094356.D
 Acq: 11 Apr 2017 18:01

Tgt Ion:165 Resp: 33767

Ion	Ratio	Lower	Upper
165	100		
63	1.4	34.3	51.5#
89	1.5	37.1	55.7#





#56

2,4-Dinitrotoluene

Concen: 6.20 ng

RT: 9.46 min Scan# 1288

Delta R.T. -0.29 min

Lab File: BF094356.D

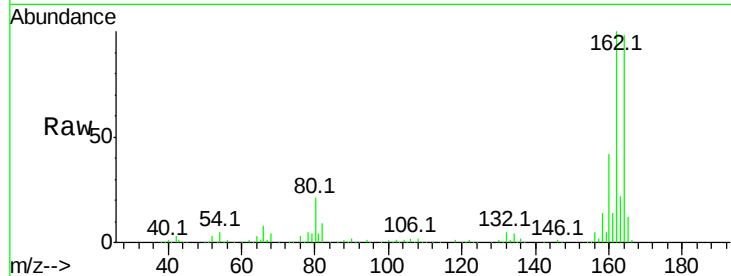
Acq: 11 Apr 2017 18:01

Instrument :

BNA_F

ClientSampled :

Tot Ion:	165	Resp:	33767
Ion Ratio	Lower	Upper	
165	100		
63	1.4	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#

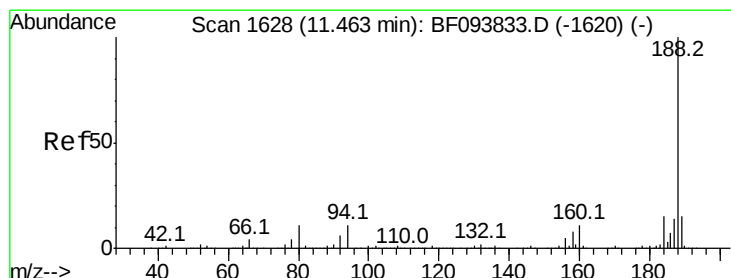
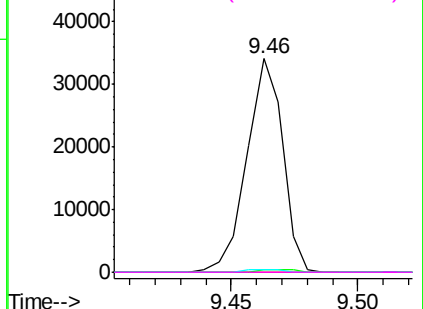
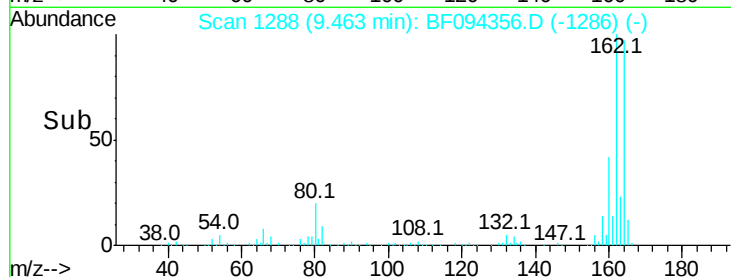


Abundance Ion 165.00 (164.70 to 165.70): E

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

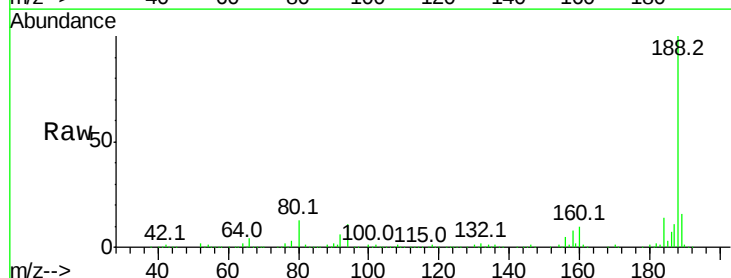
RT: 11.29 min Scan# 1598

Delta R.T. -0.04 min

Lab File: BF094356.D

Acq: 11 Apr 2017 18:01

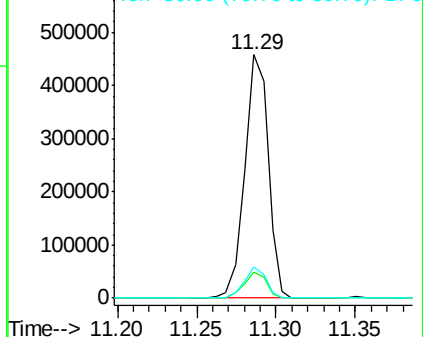
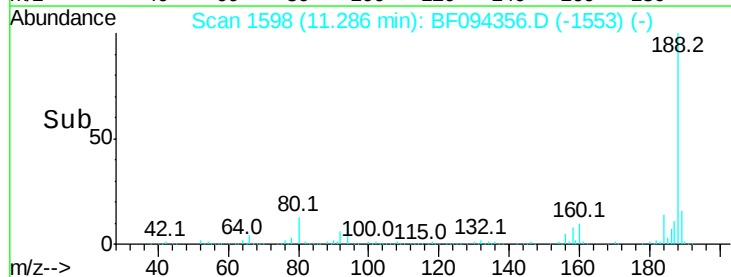
Tgt Ion:	188	Resp:	468920
Ion Ratio	Lower	Upper	
188	100		
94	10.9	9.4	14.2
80	12.5	10.2	15.2

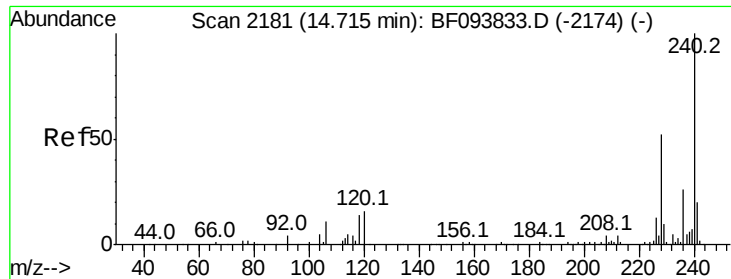


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.54 min Scan# 2151

Delta R.T. -0.04 min

Lab File: BF094356.D

Acq: 11 Apr 2017 18:01

Instrument :

BNA_F

ClientSampled :

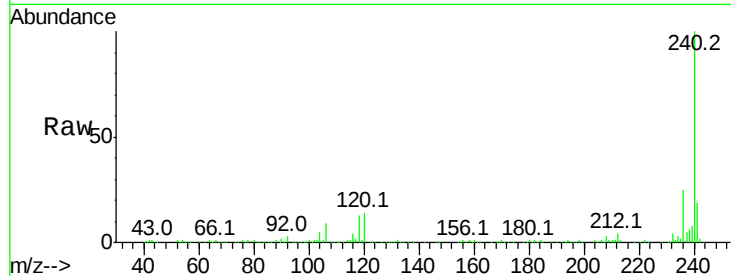
Tot Ion:240 Resp: 370735

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

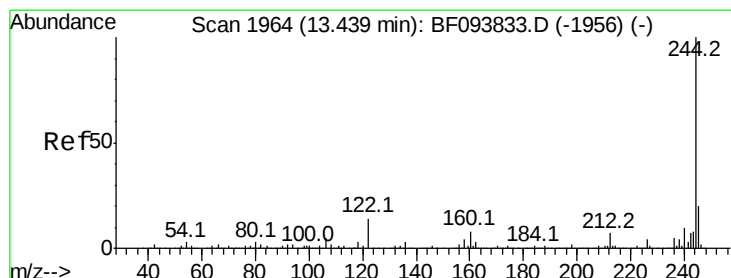
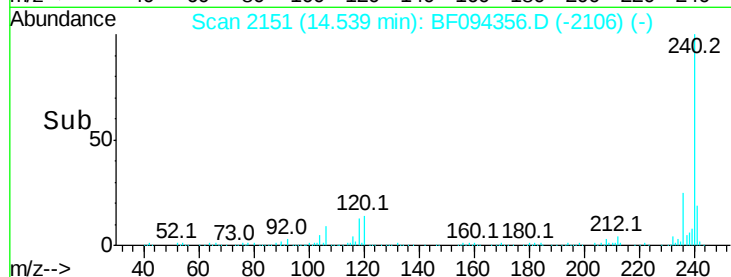
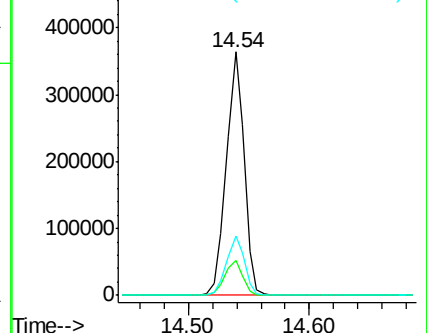
236 24.5 20.5 30.7



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: 73.00 ng

RT: 13.27 min Scan# 1936

Delta R.T. -0.02 min

Lab File: BF094356.D

Acq: 11 Apr 2017 18:01

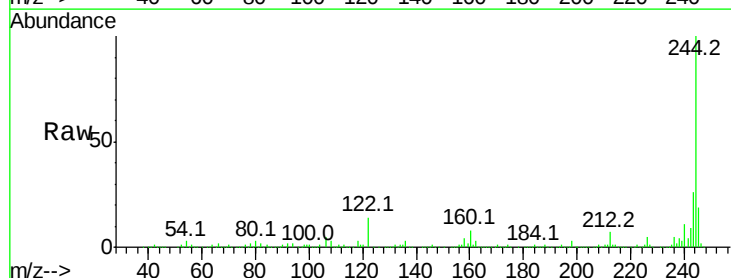
Tgt Ion:244 Resp: 1207430

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

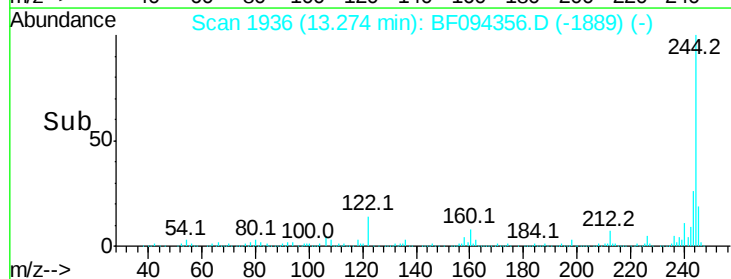
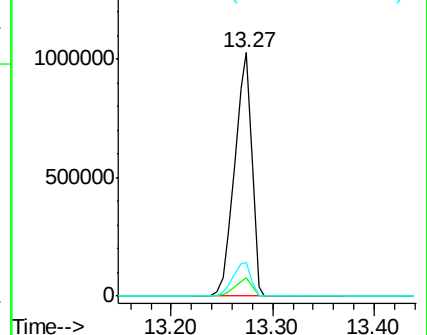
122 13.7 10.3 15.5

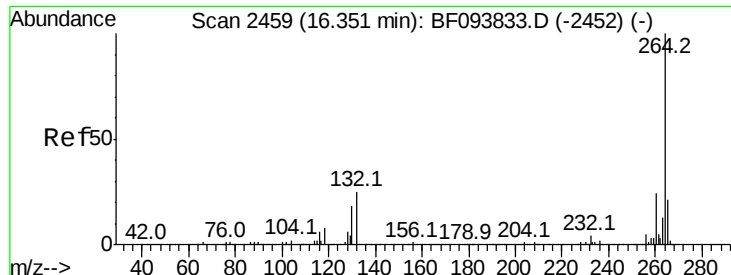


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

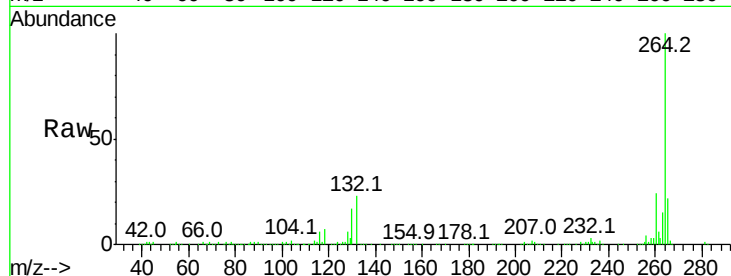




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 16.17 min Scan# 2428
 Delta R.T. -0.02 min
 Lab File: BF094356.D
 Acq: 11 Apr 2017 18:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.9	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

