

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
 Data File : BF094634.D
 Acq On : 26 Apr 2017 5:32
 Operator : SJ/MA
 Sample : I2824-05 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 07:33:02 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

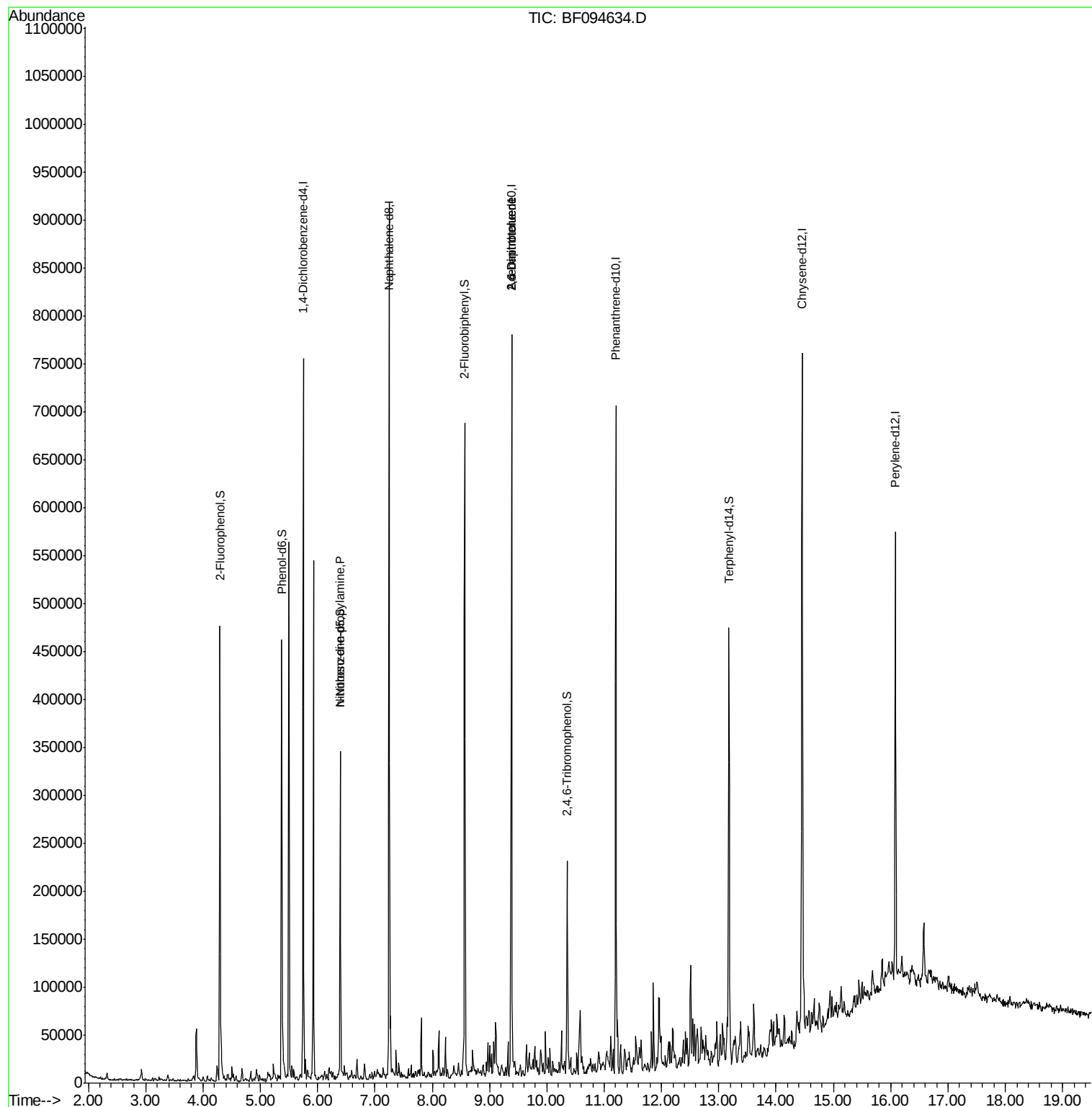
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	113939	20.00	ng	-0.01
21) Naphthalene-d8	7.25	136	449824	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	179527	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	271966	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	255816	20.00	ng	-0.01
86) Perylene-d12	16.08	264	176641	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.30	112	152506	22.21	ng	0.00
7) Phenol-d6	5.37	99	198905	24.57	ng	-0.02
23) Nitrobenzene-d5	6.40	82	118141	16.22	ng	-0.02
41) 2,4,6-Tribromophenol	10.35	330	24561	17.49	ng	-0.02
44) 2-Fluorobiphenyl	8.57	172	222103	18.20	ng	-0.02
78) Terphenyl-d14	13.18	244	137009	14.32	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.40	70	14878	2.77	ng	# 82
50) 2,6-Dinitrotoluene	9.38	165	22744	7.57	ng	# 35
56) 2,4-Dinitrotoluene	9.38	165	22744	6.17	ng	# 34

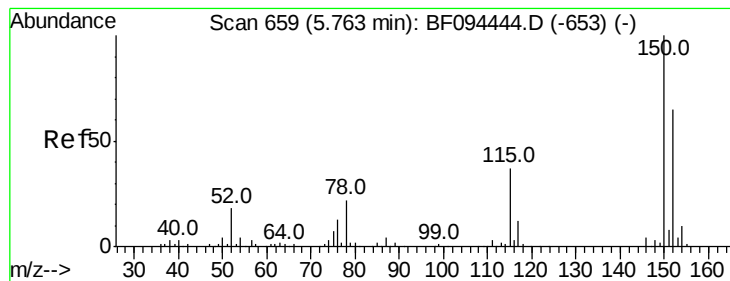
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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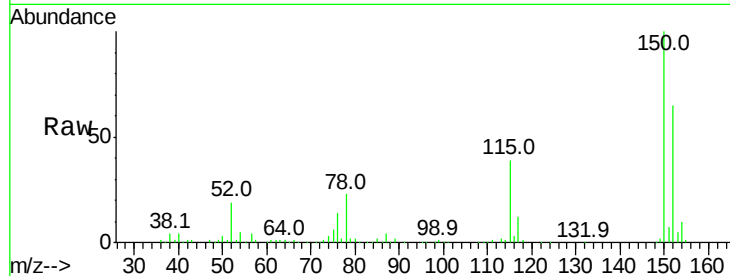


#1

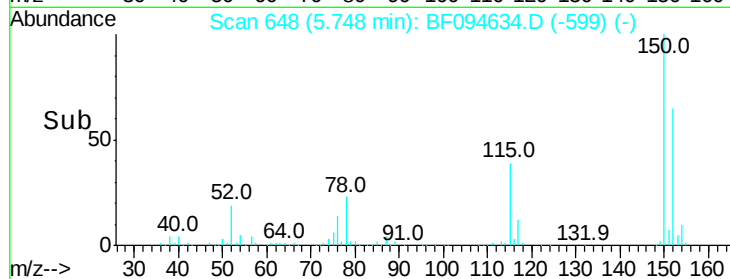
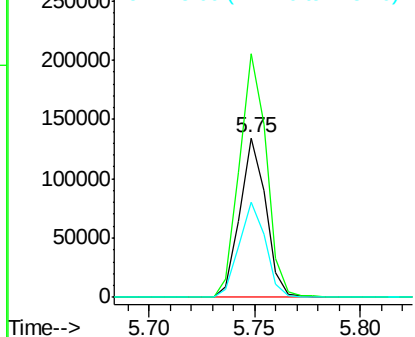
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF094634.D
Acq: 26 Apr 2017 5:32

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 113939
Ion Ratio Lower Upper
152 100
150 152.9 126.2 189.2
115 59.8 52.2 78.2



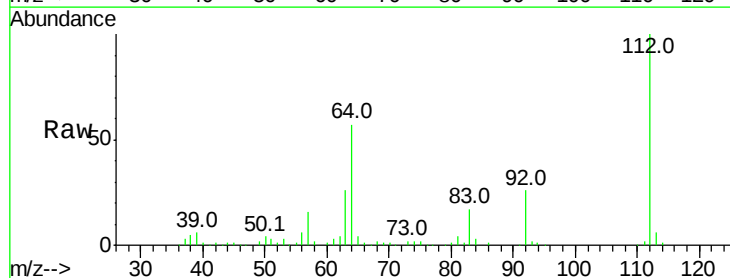
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



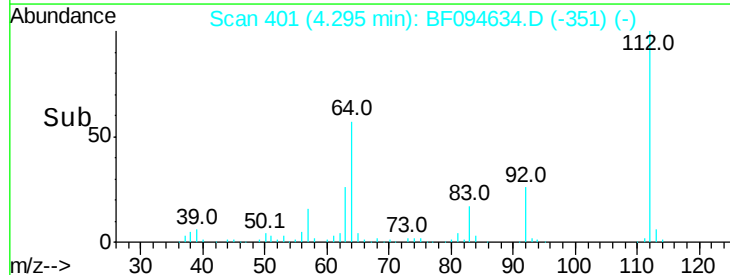
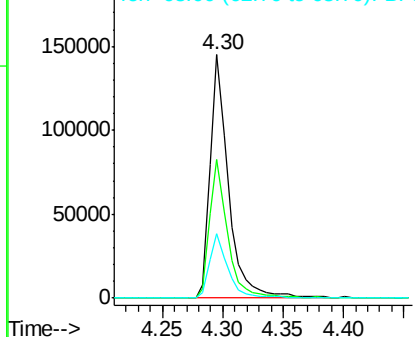
#5

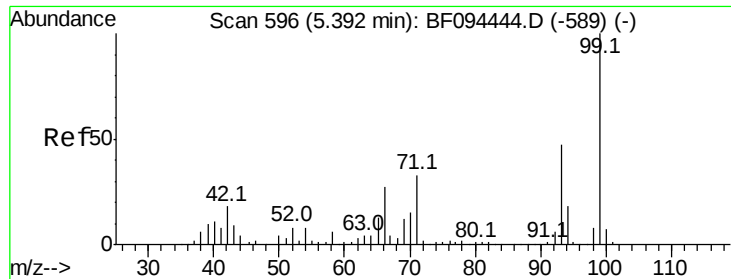
2-Fluorophenol
Concen: 22.21 ng
RT: 4.30 min Scan# 401
Delta R.T. -0.01 min
Lab File: BF094634.D
Acq: 26 Apr 2017 5:32

Tgt Ion:112 Resp: 152506
Ion Ratio Lower Upper
112 100
64 56.7 46.0 69.0
63 26.5 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: 24.57 ng

RT: 5.37 min Scan# 584

Delta R.T. -0.02 min

Lab File: BF094634.D

Acq: 26 Apr 2017 5:32

Instrument :

BNA_F

ClientSampled :

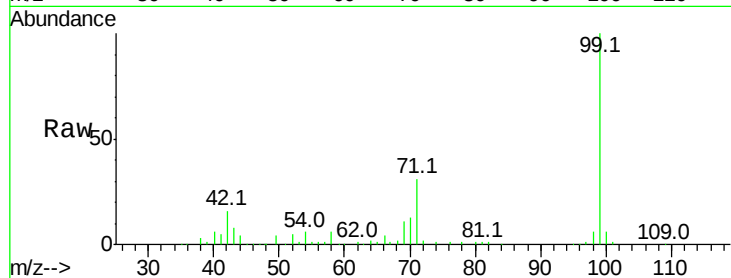
Tot Ion: 99 Resp: 198905

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

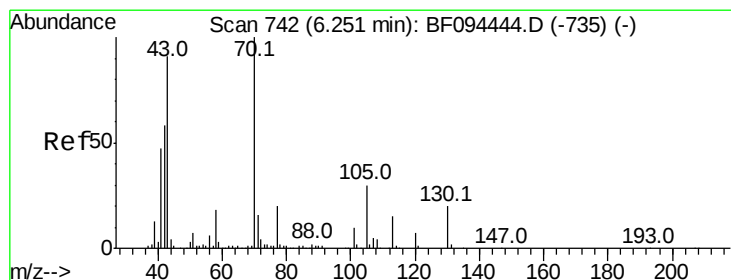
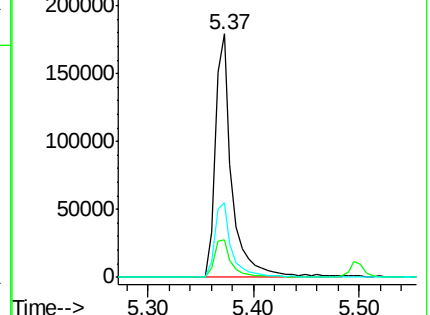
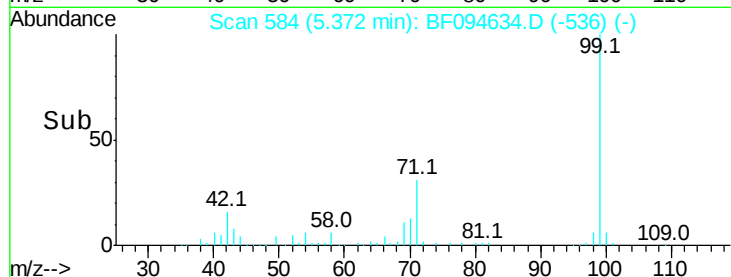
71 30.6 24.5 36.7



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: 2.77 ng

RT: 6.40 min Scan# 758

Delta R.T. 0.14 min

Lab File: BF094634.D

Acq: 26 Apr 2017 5:32

Tgt Ion: 70 Resp: 14878

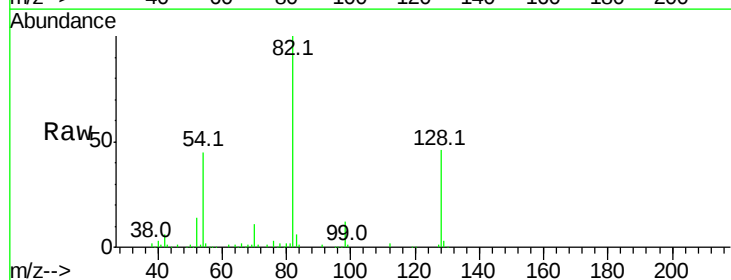
Ion Ratio Lower Upper

70 100

42 50.6 47.2 70.8

101 0.0 7.2 10.8#

130 4.0 15.9 23.9#

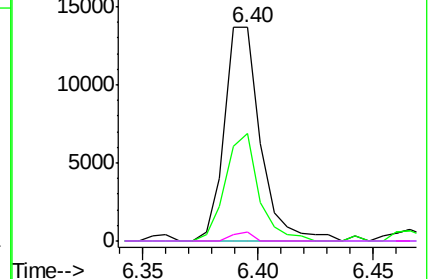
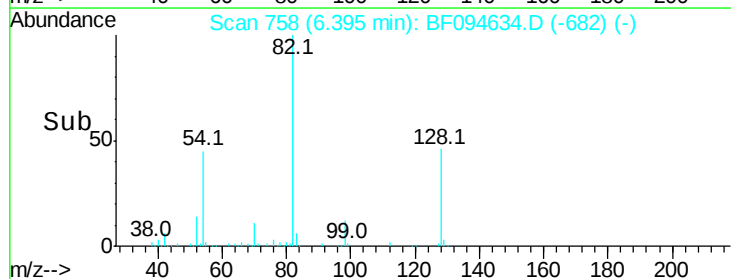


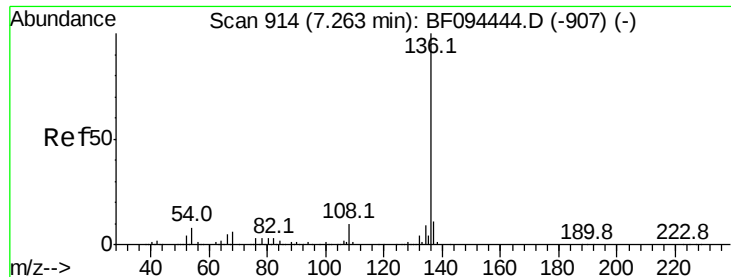
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.25 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF094634.D

Acq: 26 Apr 2017 5:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 449824

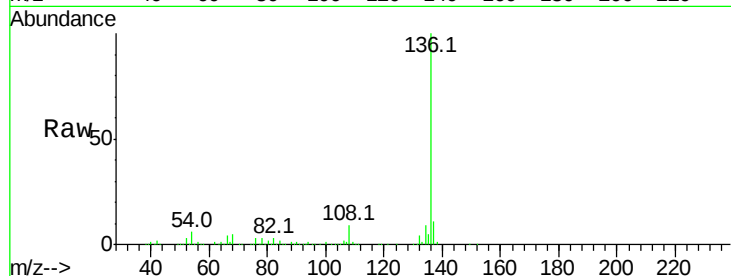
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.4 4.9 7.3

68 5.3 4.1 6.1

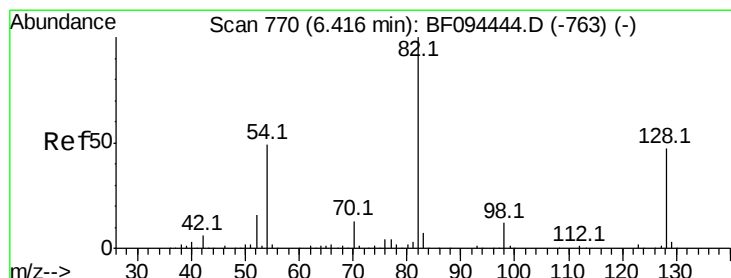
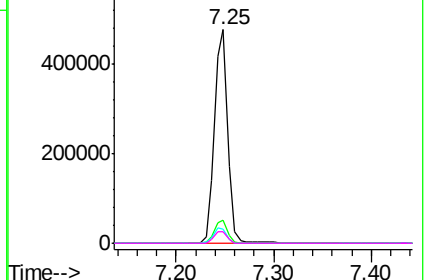
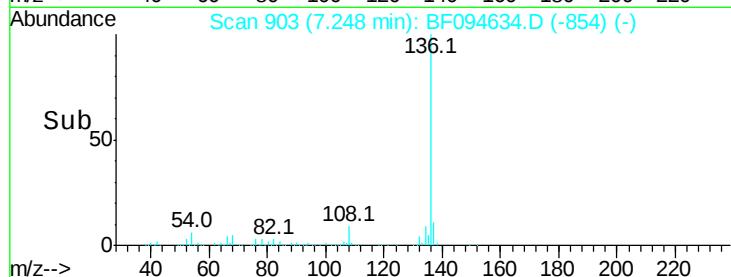


Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.22 ng

RT: 6.40 min Scan# 758

Delta R.T. -0.02 min

Lab File: BF094634.D

Acq: 26 Apr 2017 5:32

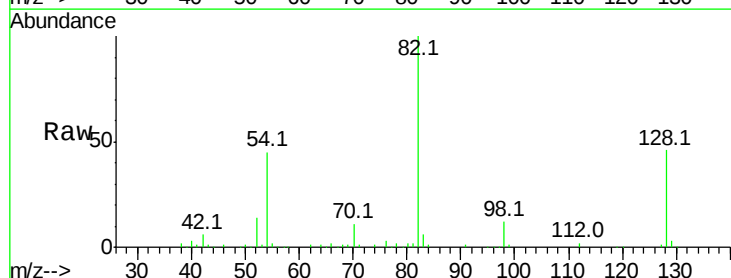
Tgt Ion: 82 Resp: 118141

Ion Ratio Lower Upper

82 100

128 46.4 34.0 51.0

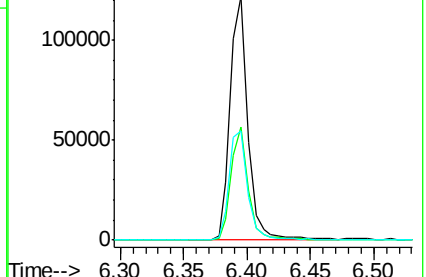
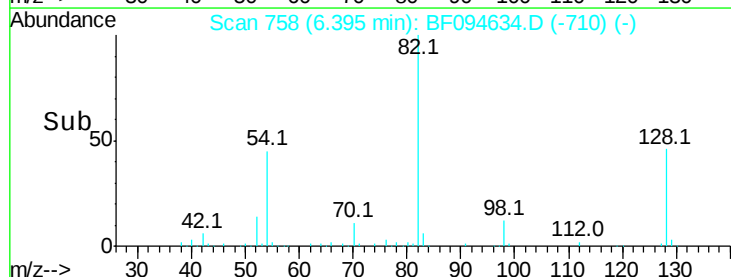
54 44.6 42.2 63.2

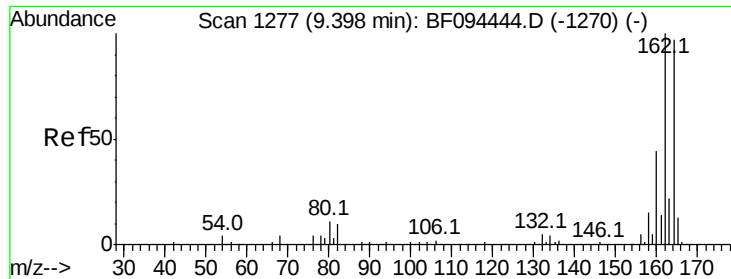


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.38 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF094634.D

Acq: 26 Apr 2017 5:32

Instrument :

BNA_F

ClientSampleId :

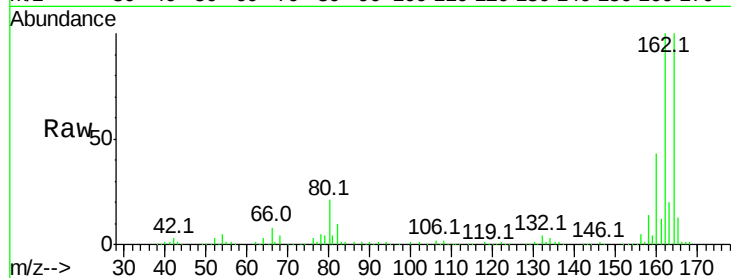
Tot Ion:164 Resp: 179527

Ion Ratio Lower Upper

164 100

162 100.3 82.6 123.8

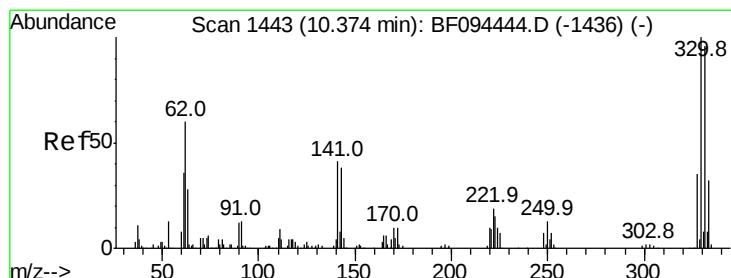
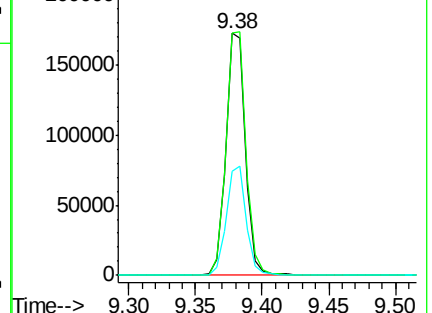
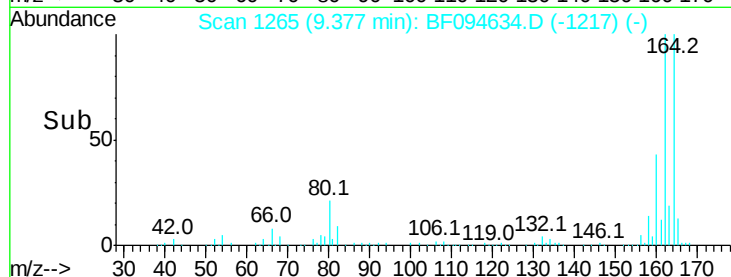
160 42.9 36.2 54.2



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: 17.49 ng

RT: 10.35 min Scan# 1431

Delta R.T. -0.02 min

Lab File: BF094634.D

Acq: 26 Apr 2017 5:32

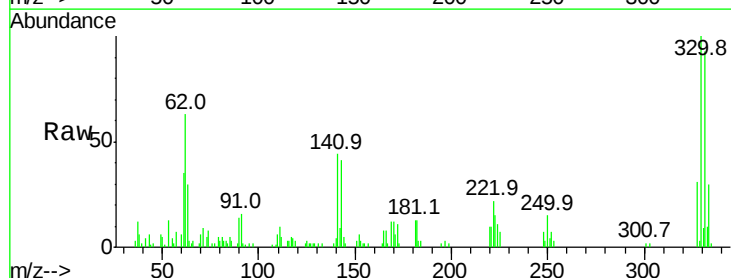
Tgt Ion:330 Resp: 24561

Ion Ratio Lower Upper

330 100

332 93.6 76.6 115.0

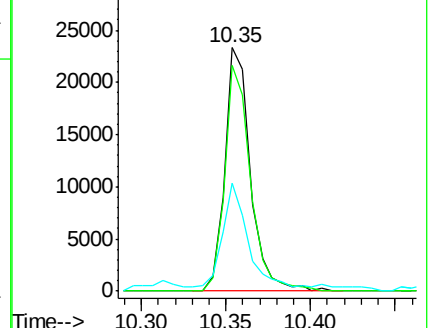
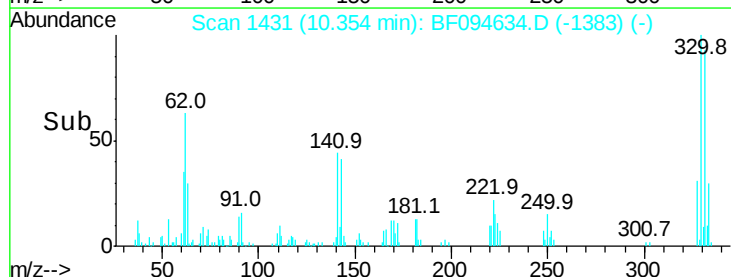
141 41.5 31.4 47.2

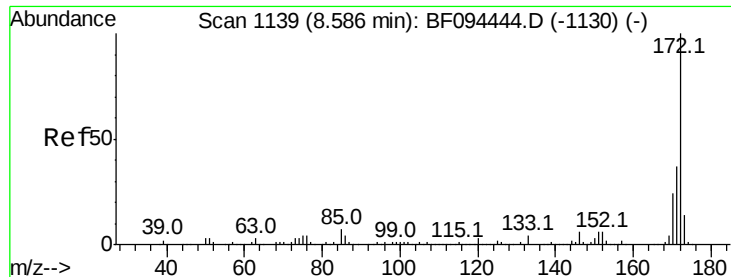


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

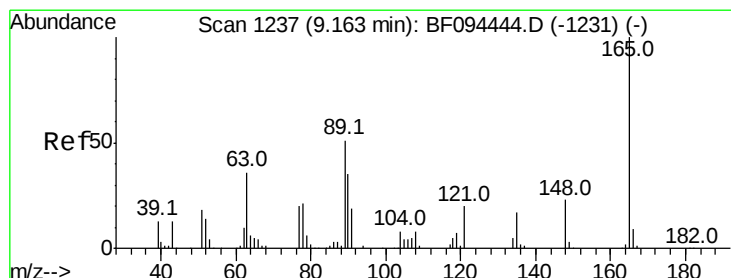
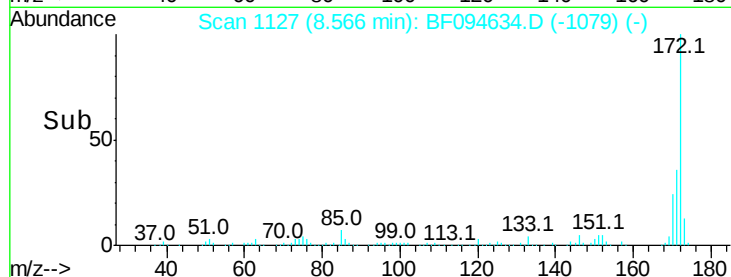
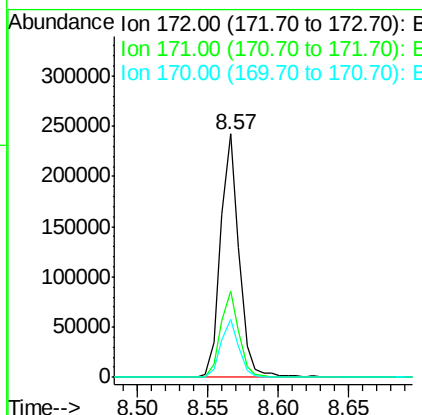
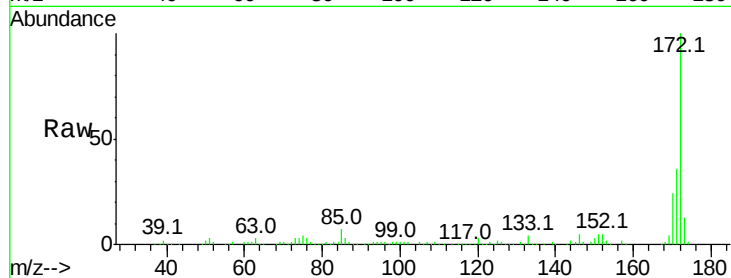




#44
 2-Fluorobiphenyl
 Concen: 18.20 ng
 RT: 8.57 min Scan# 1127
 Delta R.T. -0.02 min
 Lab File: BF094634.D
 Acq: 26 Apr 2017 5:32

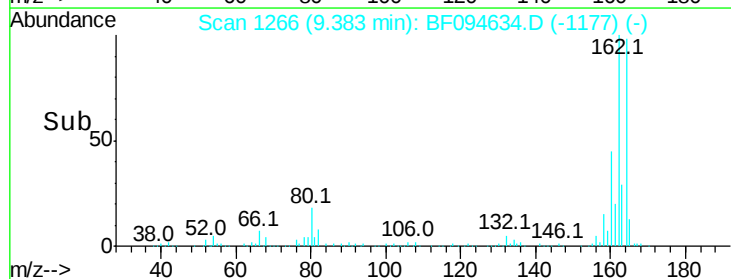
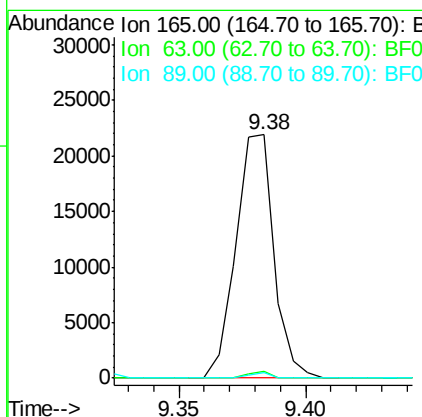
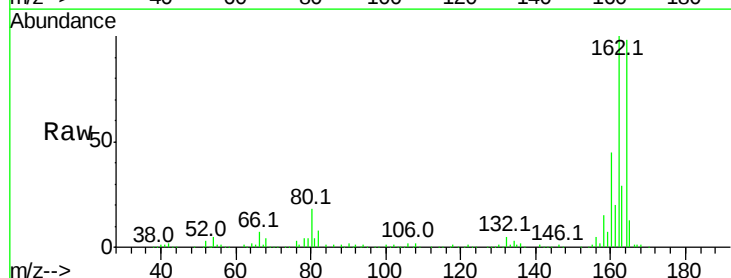
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.9	19.8	29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.57 ng
 RT: 9.38 min Scan# 1266
 Delta R.T. 0.22 min
 Lab File: BF094634.D
 Acq: 26 Apr 2017 5:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.7	34.3	51.5#
89	2.1	37.1	55.7#

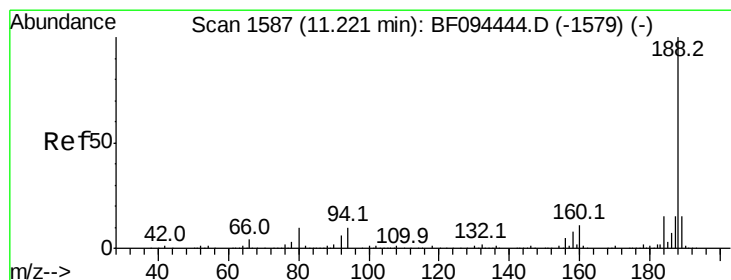
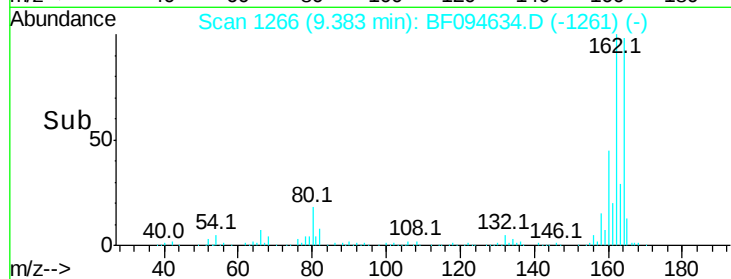
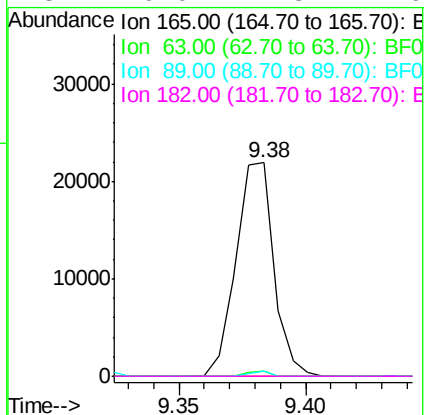
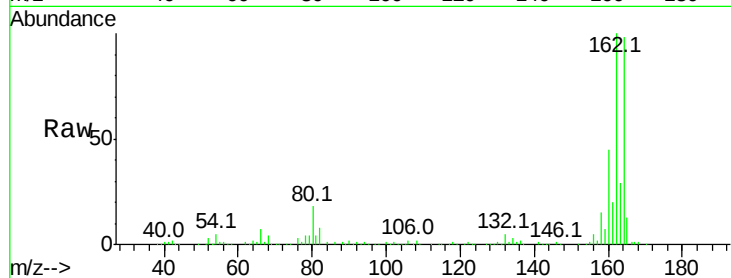




#56
 2,4-Dinitrotoluene
 Concen: 6.17 ng
 RT: 9.38 min Scan# 1266
 Delta R.T. -0.27 min
 Lab File: BF094634.D
 Acq: 26 Apr 2017 5:32

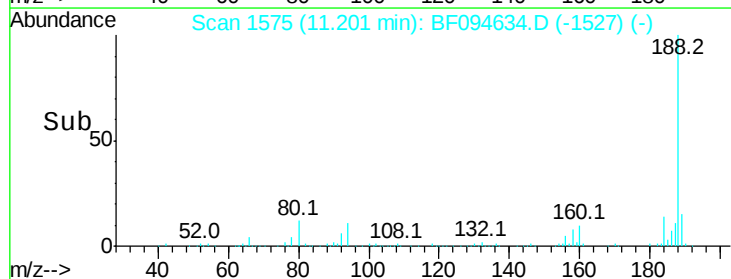
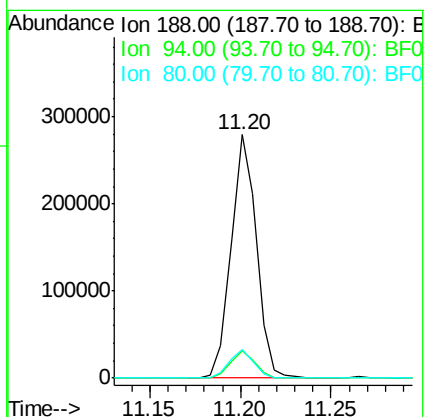
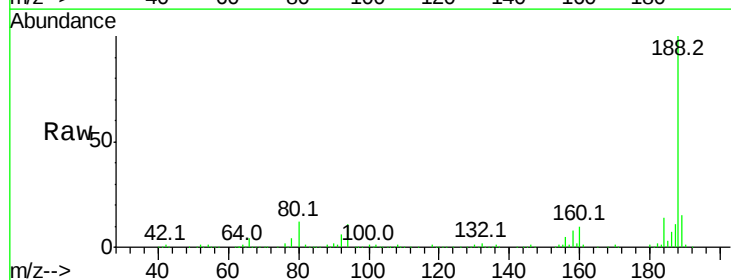
Instrument :
 BNA_F
 ClientSampleId :

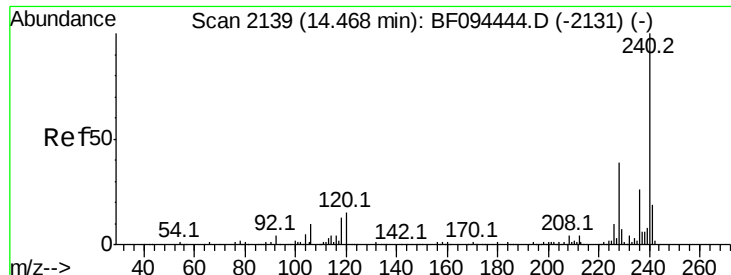
Tot Ion:165 Resp: 22744
 Ion Ratio Lower Upper
 165 100
 63 2.7 25.4 38.0#
 89 2.1 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1575
 Delta R.T. -0.02 min
 Lab File: BF094634.D
 Acq: 26 Apr 2017 5:32

Tgt Ion:188 Resp: 271966
 Ion Ratio Lower Upper
 188 100
 94 11.0 9.4 14.2
 80 11.8 10.2 15.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.45 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF094634.D

Acq: 26 Apr 2017 5:32

Instrument :

BNA_F

ClientSampleId :

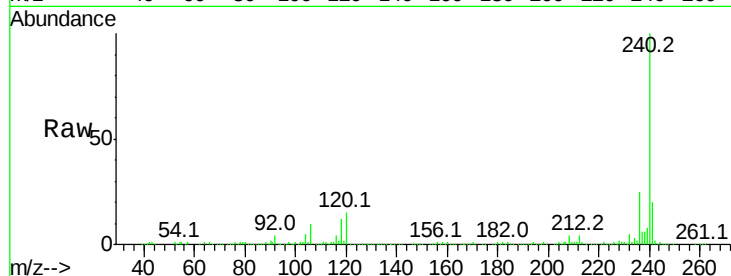
Tot Ion:240 Resp: 255816

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

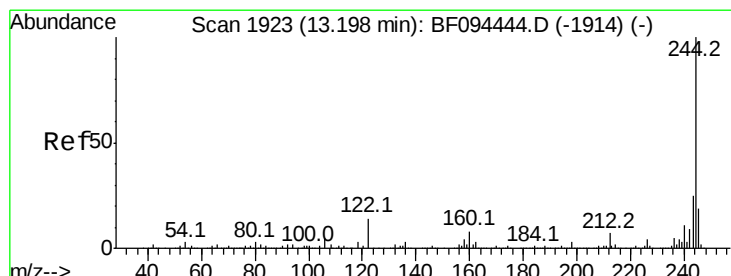
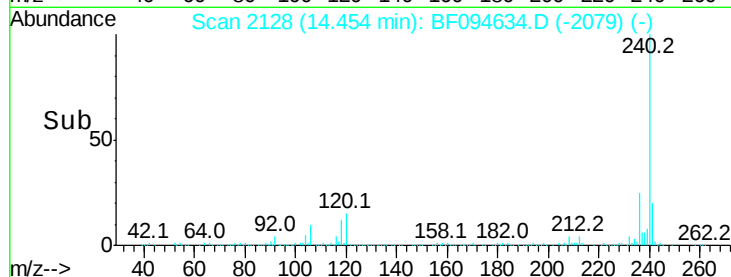
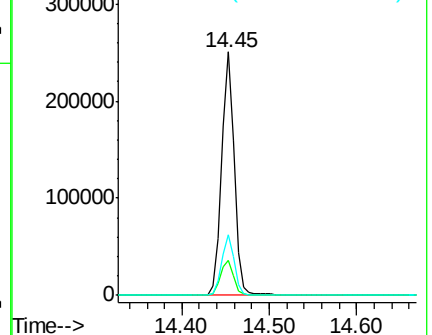
236 25.0 20.5 30.7



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: 14.32 ng

RT: 13.18 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BF094634.D

Acq: 26 Apr 2017 5:32

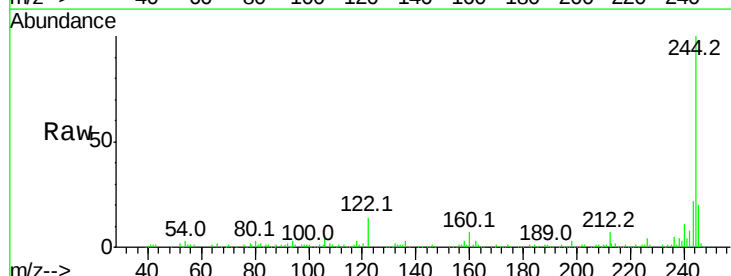
Tgt Ion:244 Resp: 137009

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

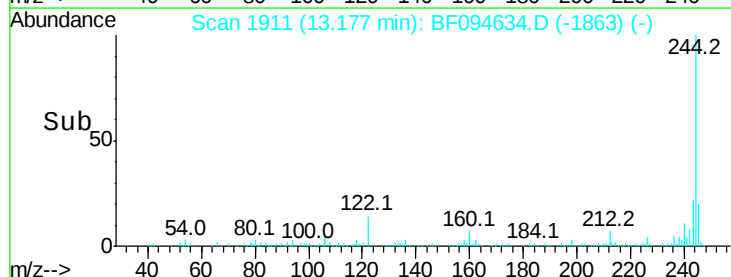
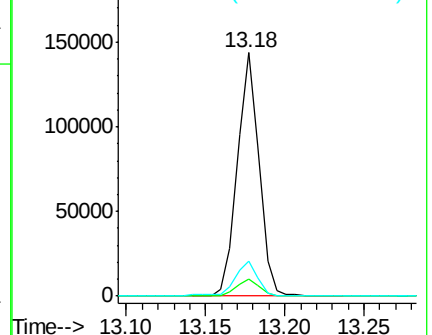
122 14.4 10.3 15.5

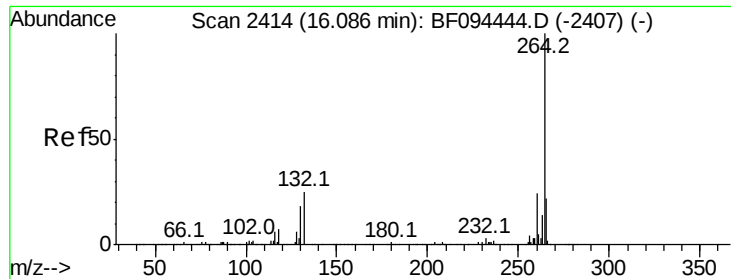


Abundance Ion 244.00 (243.70 to 244.70): E

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: 16.08 min Scan# 2405
 Delta R.T. -0.00 min
 Lab File: BF094634.D
 Acq: 26 Apr 2017 5:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 176641
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.5 29.3
 265 21.5 17.2 25.8

