

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
 Data File : BF094609.D
 Acq On : 25 Apr 2017 17:07
 Operator : SJ/MA
 Sample : PB98458BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 01:25:03 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

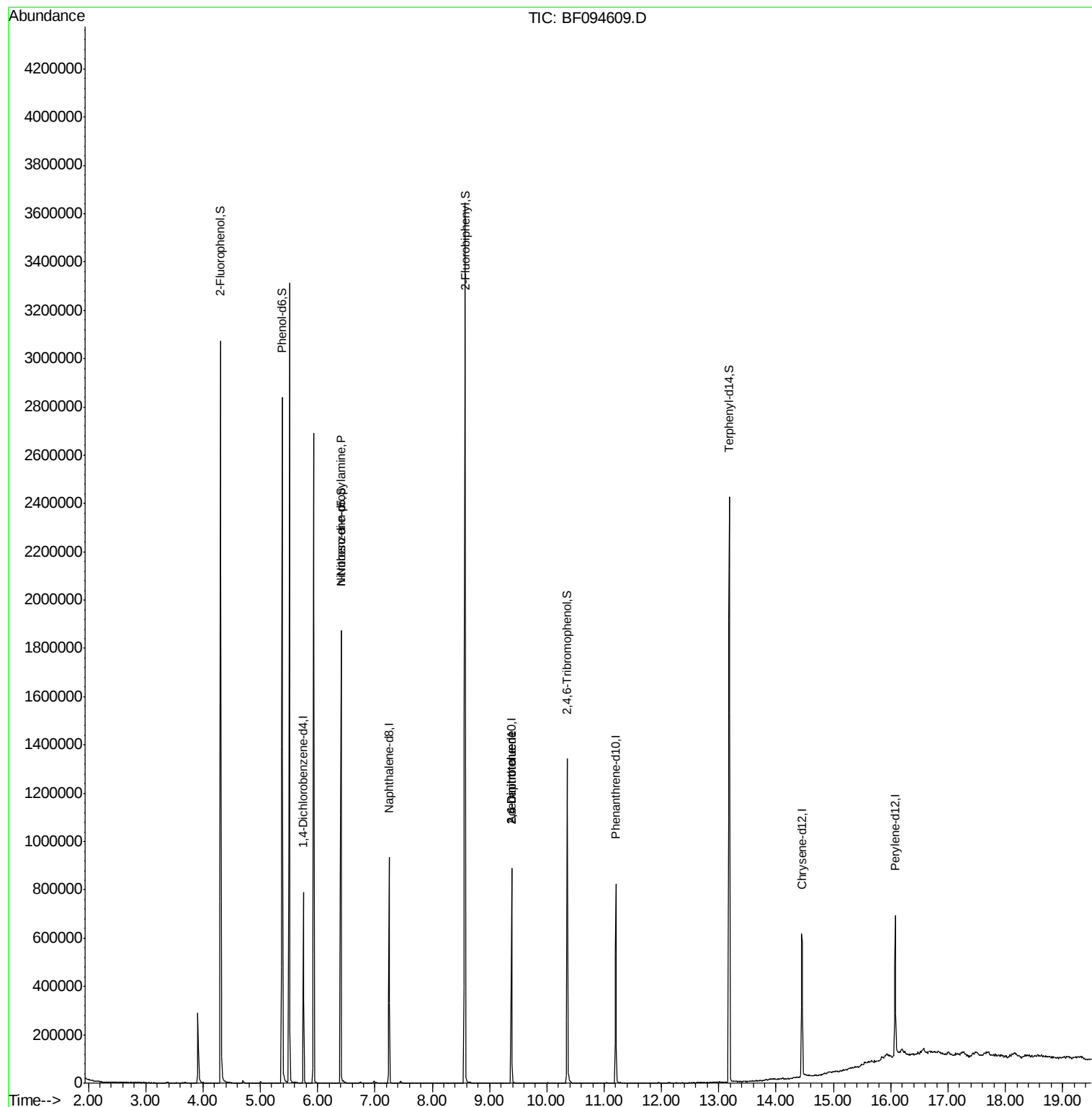
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	119668	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	481028	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	207659	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	332952	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	250722	20.00	ng	-0.02
86) Perylene-d12	16.08	264	230356	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	953748	132.23	ng	0.00
7) Phenol-d6	5.38	99	1155727	135.91	ng	0.00
23) Nitrobenzene-d5	6.41	82	704134	90.39	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	176568	108.71	ng	-0.01
44) 2-Fluorobiphenyl	8.57	172	1279924	90.69	ng	-0.01
78) Terphenyl-d14	13.18	244	891333	95.02	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.41	70	91802	16.29	ng	# 77
50) 2,6-Dinitrotoluene	9.38	165	25273	7.28	ng	# 33
56) 2,4-Dinitrotoluene	9.38	165	25273	5.93	ng	# 33

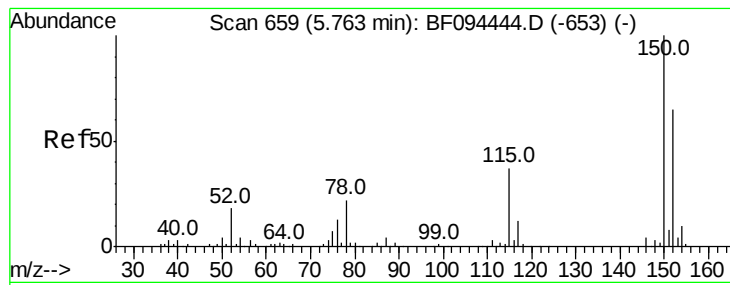
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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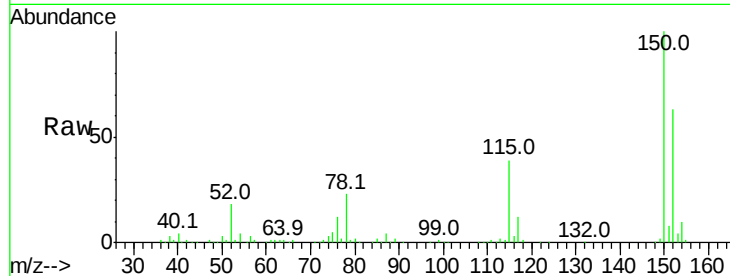


#1

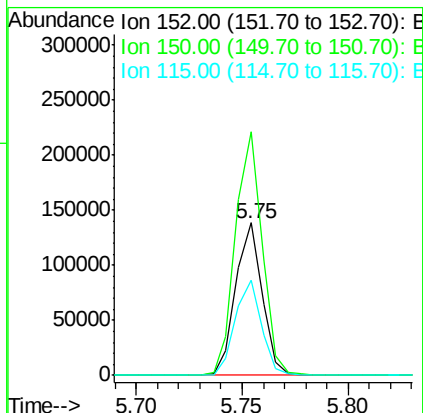
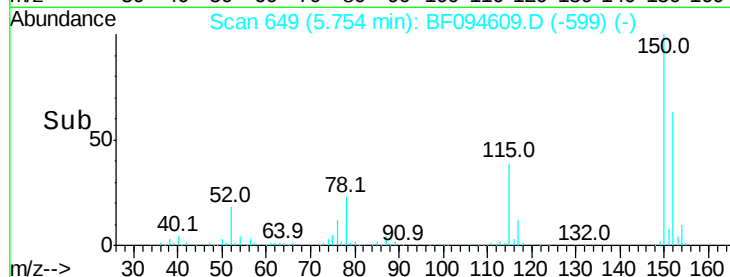
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 649
Delta R.T. -0.01 min
Lab File: BF094609.D
Acq: 25 Apr 2017 17:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 119668
Ion Ratio Lower Upper
152 100
150 160.0 126.2 189.2
115 62.1 52.2 78.2



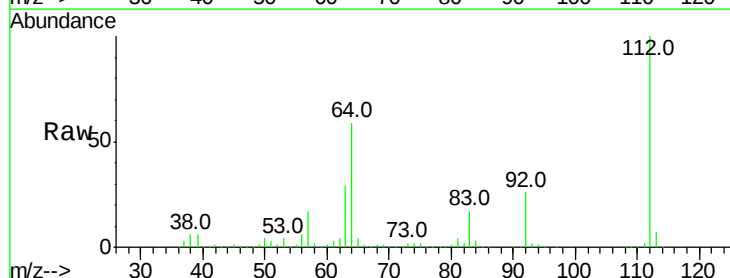
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



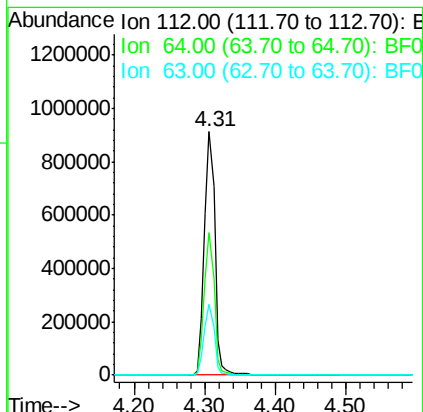
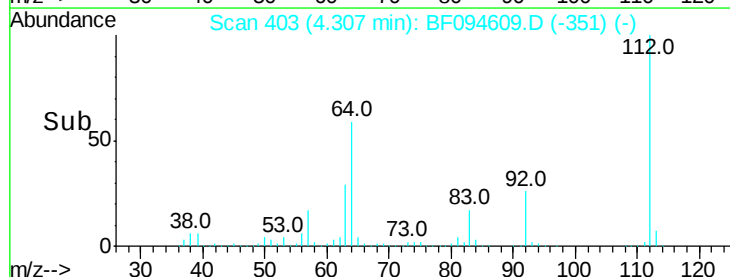
#5

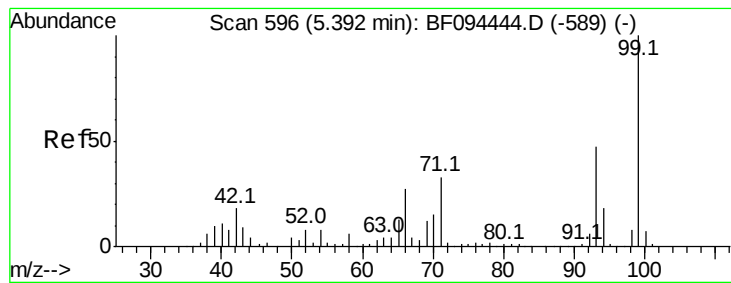
2-Fluorophenol
Concen: 132.23 ng
RT: 4.31 min Scan# 403
Delta R.T. 0.00 min
Lab File: BF094609.D
Acq: 25 Apr 2017 17:07

Tgt Ion:112 Resp: 953748
Ion Ratio Lower Upper
112 100
64 58.7 46.0 69.0
63 29.1 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: 135.91 ng

RT: 5.38 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF094609.D

Acq: 25 Apr 2017 17:07

Instrument :

BNA_F

ClientSampled :

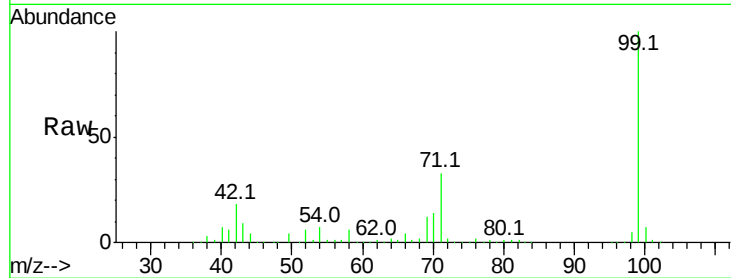
Tot Ion: 99 Resp: 1155727

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

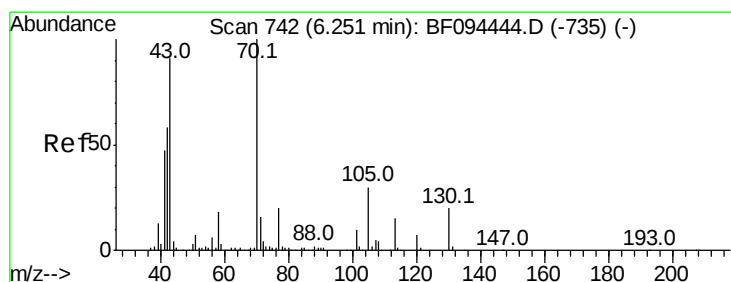
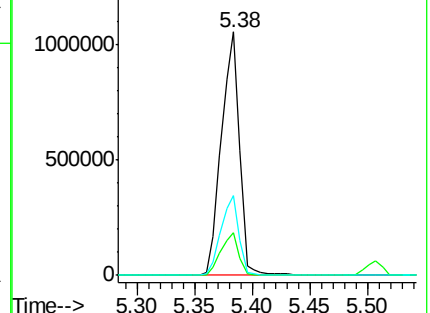
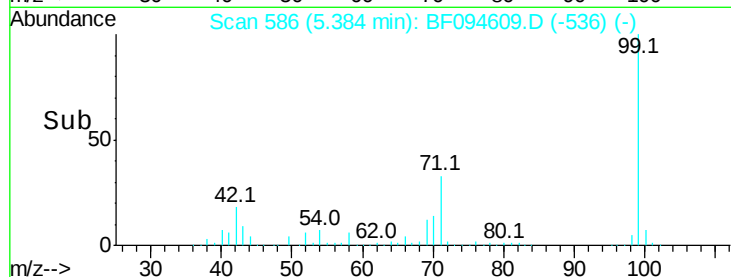
71 32.9 24.5 36.7



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: 16.29 ng

RT: 6.41 min Scan# 760

Delta R.T. 0.16 min

Lab File: BF094609.D

Acq: 25 Apr 2017 17:07

Tgt Ion: 70 Resp: 91802

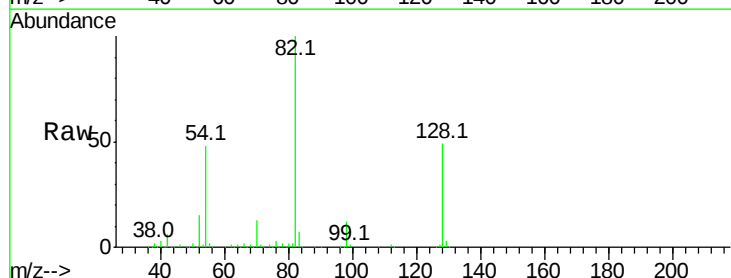
Ion Ratio Lower Upper

70 100

42 46.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

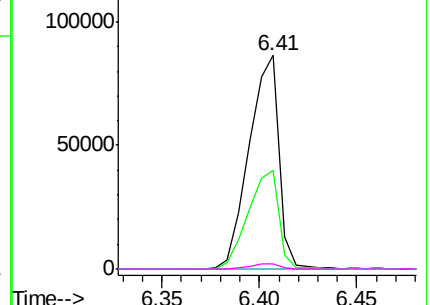
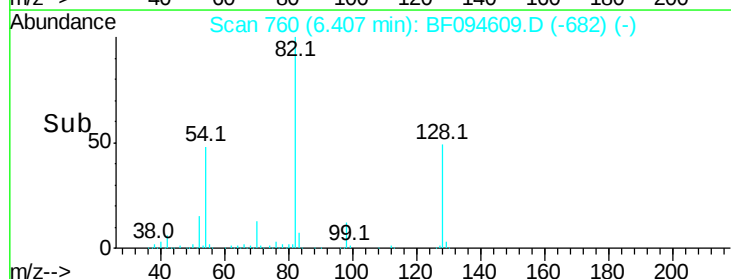


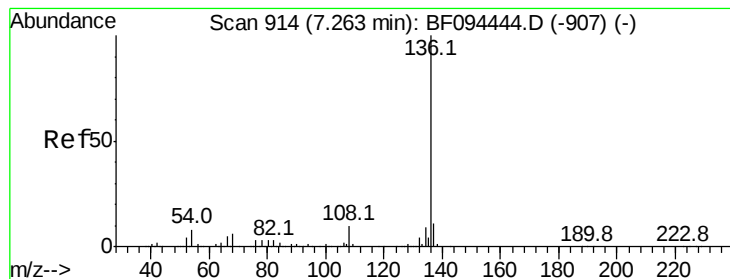
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.25 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF094609.D

Acq: 25 Apr 2017 17:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 481028

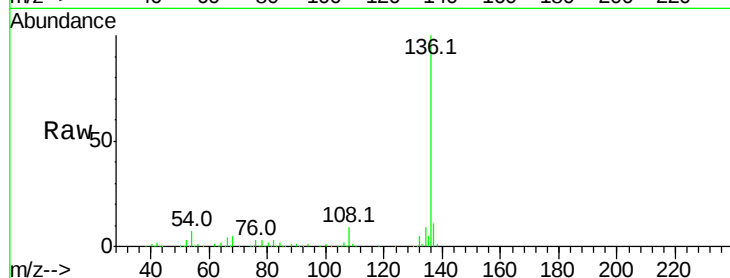
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.6 4.9 7.3

68 5.3 4.1 6.1

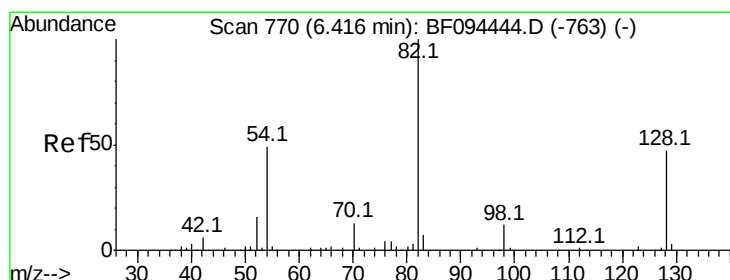
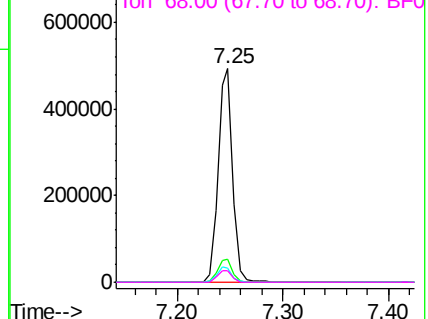
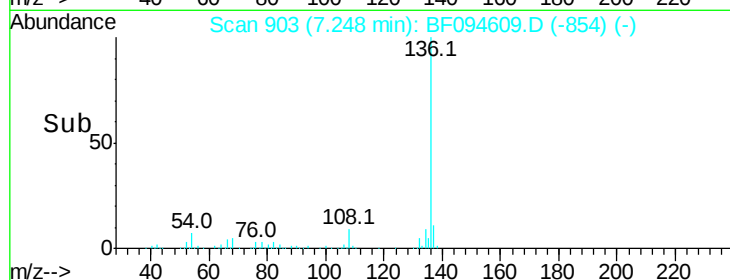


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.39 ng

RT: 6.41 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF094609.D

Acq: 25 Apr 2017 17:07

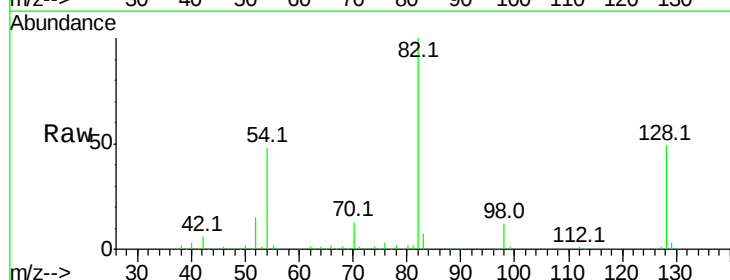
Tgt Ion: 82 Resp: 704134

Ion Ratio Lower Upper

82 100

128 48.7 34.0 51.0

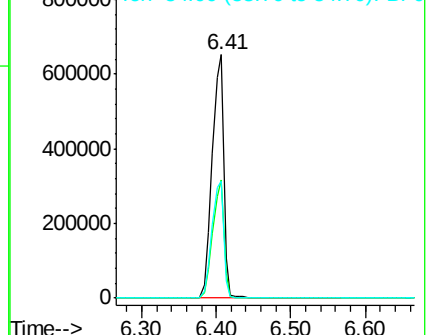
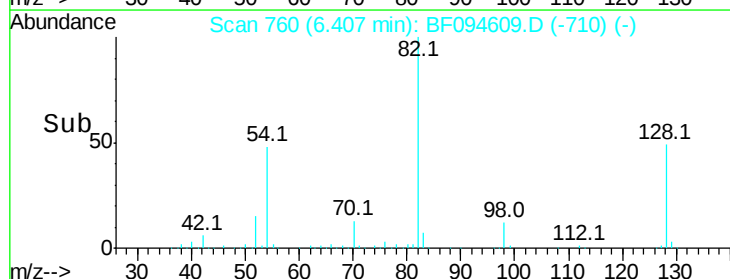
54 48.2 42.2 63.2



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: BF094609.D

Acq: 25 Apr 2017 17:07

Instrument :

BNA_F

ClientSampled :

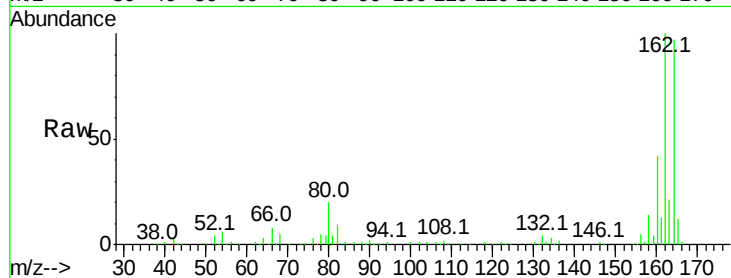
Tot Ion:164 Resp: 207659

Ion Ratio Lower Upper

164 100

162 103.4 82.6 123.8

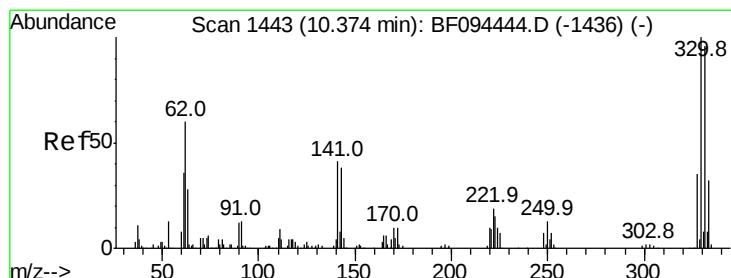
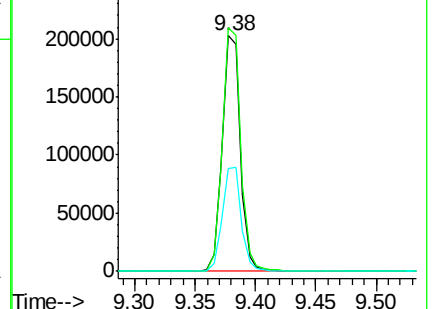
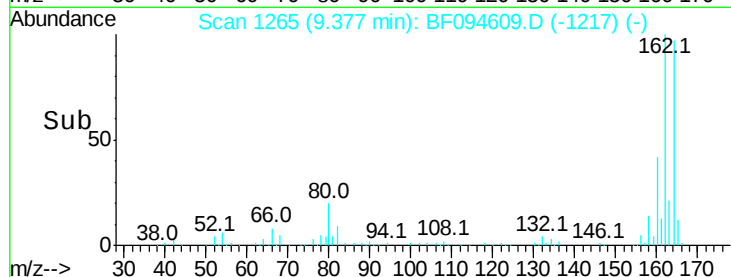
160 43.6 36.2 54.2



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: 108.71 ng

RT: 10.36 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF094609.D

Acq: 25 Apr 2017 17:07

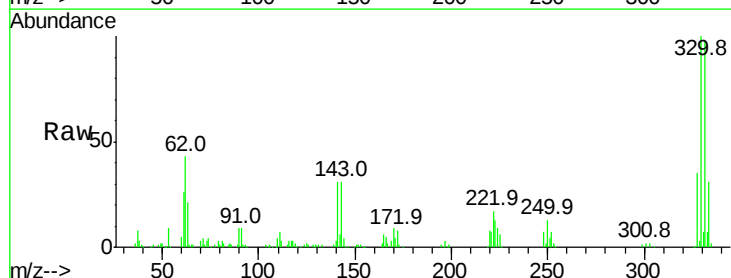
Tgt Ion:330 Resp: 176568

Ion Ratio Lower Upper

330 100

332 96.7 76.6 115.0

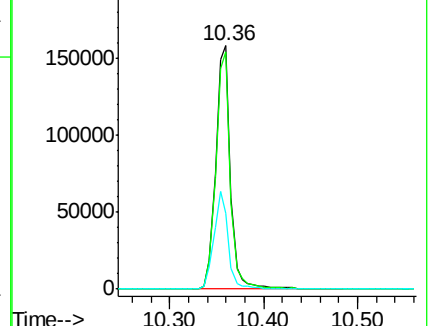
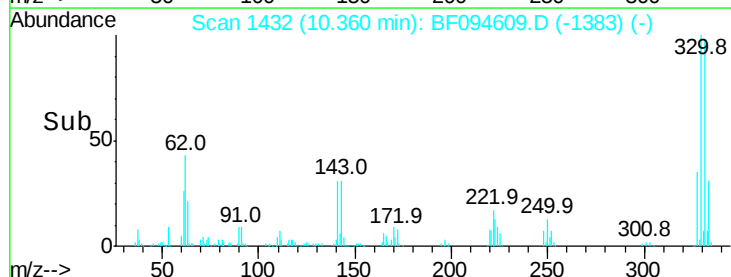
141 39.2 31.4 47.2

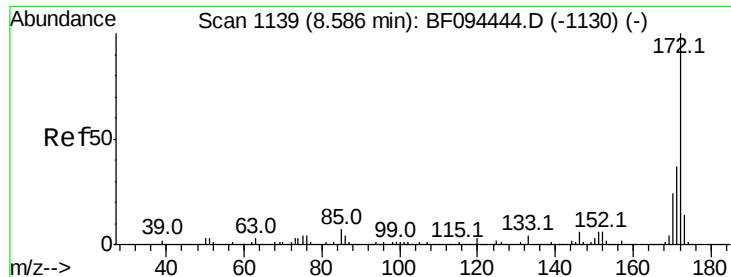


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



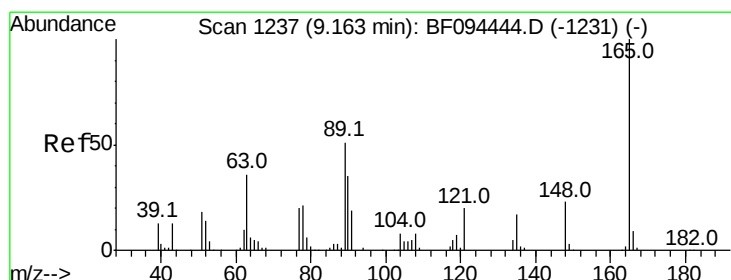
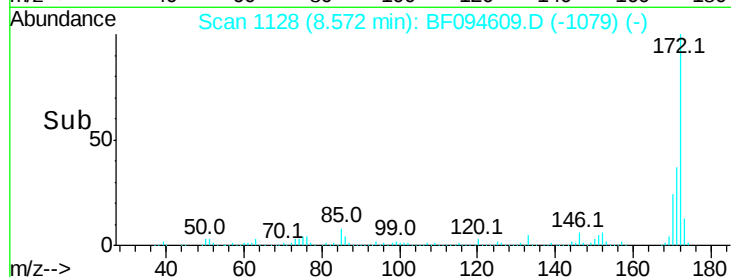
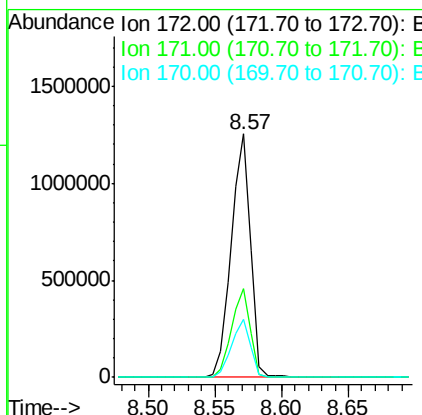
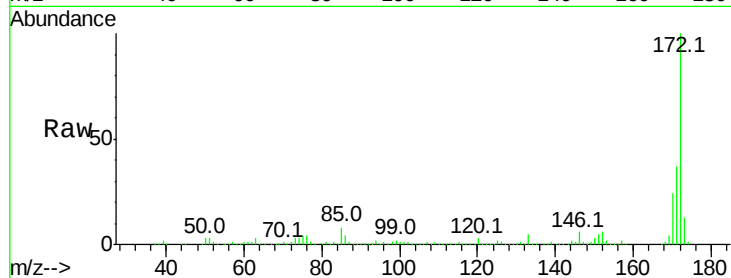


#44
 2-Fluorobiphenyl
 Concen: 90.69 ng
 RT: 8.57 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF094609.D
 Acq: 25 Apr 2017 17:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1279924

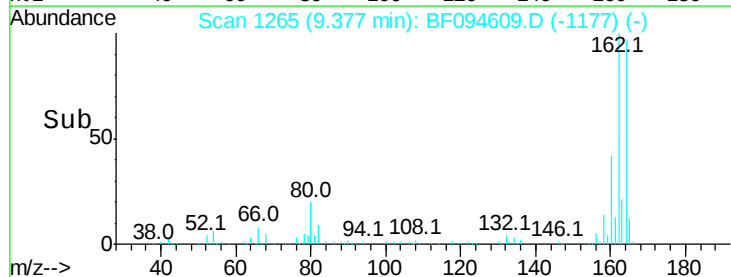
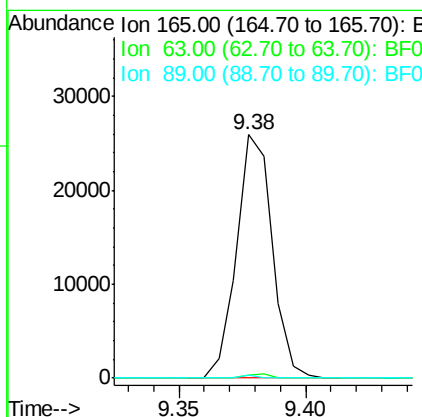
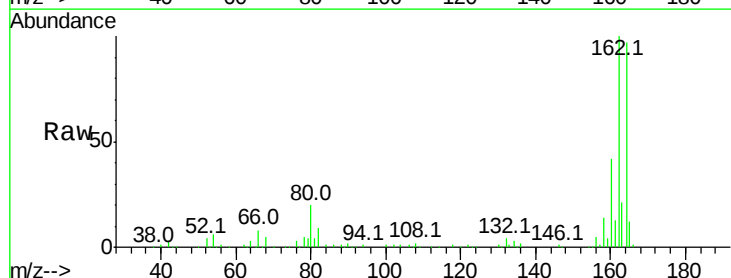
Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	24.1	19.8	29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.28 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. 0.21 min
 Lab File: BF094609.D
 Acq: 25 Apr 2017 17:07

Tgt Ion:165 Resp: 25273

Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.3	51.5#
89	1.3	37.1	55.7#

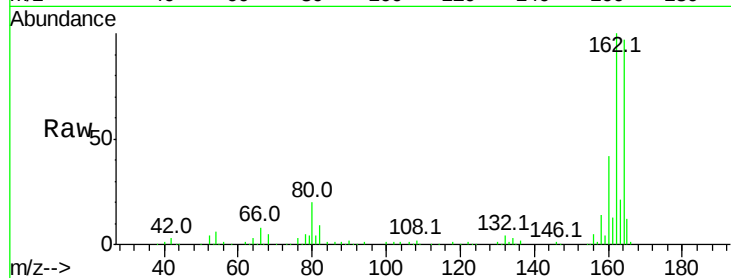




#56
 2,4-Dinitrotoluene
 Concen: 5.93 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.28 min
 Lab File: BF094609.D
 Acq: 25 Apr 2017 17:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	25273
Ion Ratio	Lower	Upper
165	100	
63	1.2	25.4 38.0#
89	1.3	46.4 69.6#
182	0.0	1.8 2.6#

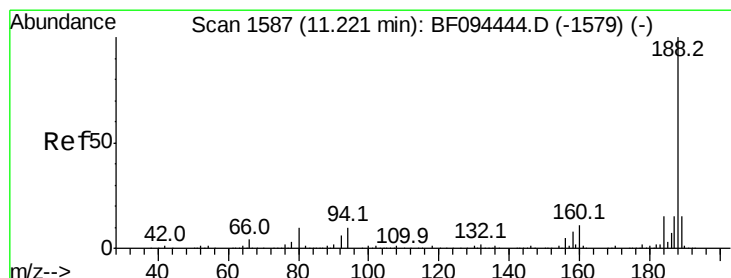
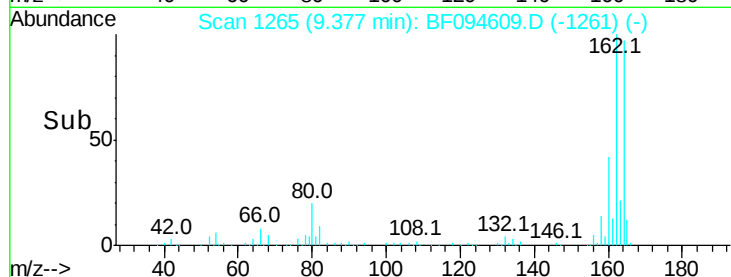
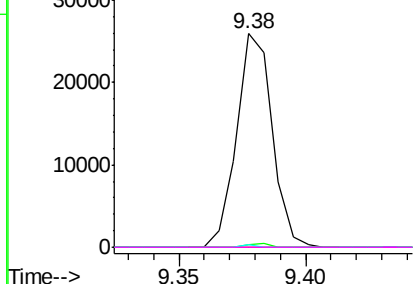


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

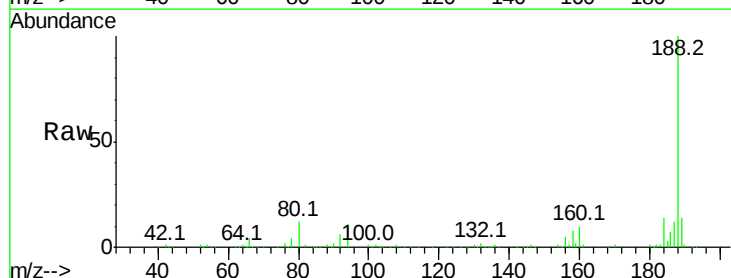
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1575
 Delta R.T. -0.02 min
 Lab File: BF094609.D
 Acq: 25 Apr 2017 17:07

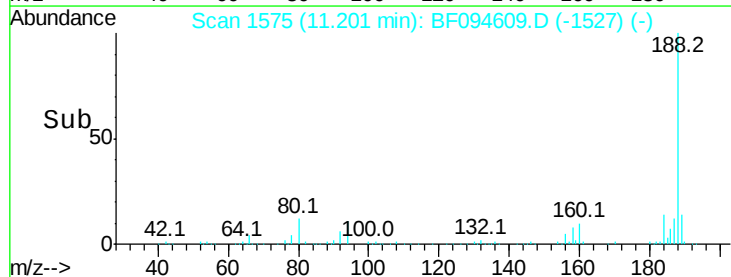
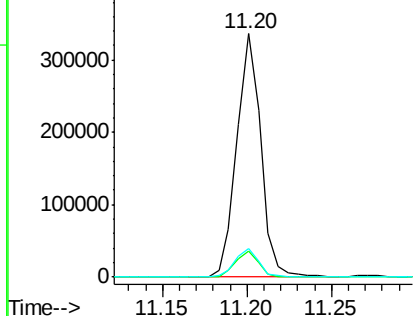
Tgt Ion:188	Resp:	332952
Ion Ratio	Lower	Upper
188	100	
94	10.6	9.4 14.2
80	11.8	10.2 15.2

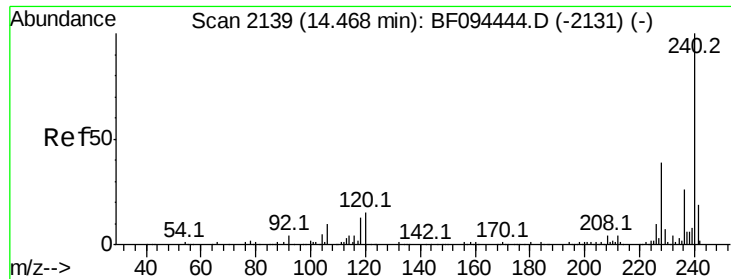


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.45 min Scan# 2127

Delta R.T. -0.02 min

Lab File: BF094609.D

Acq: 25 Apr 2017 17:07

Instrument :

BNA_F

ClientSampleId :

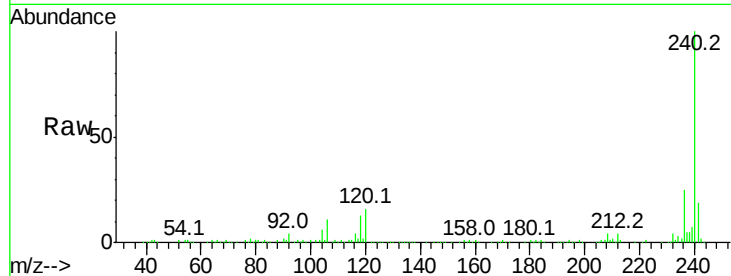
Tot Ion:240 Resp: 250722

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

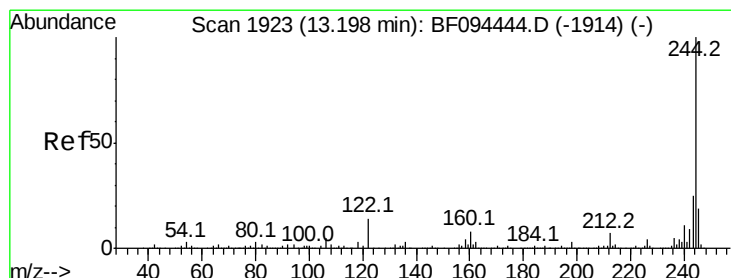
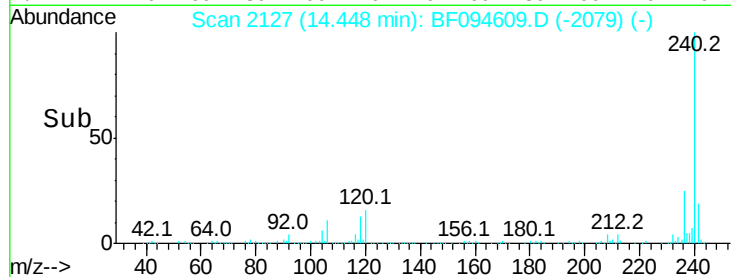
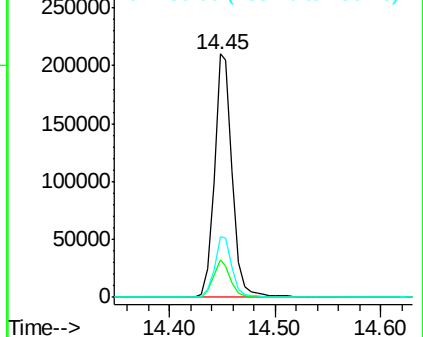
236 25.1 20.5 30.7



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: 95.02 ng

RT: 13.18 min Scan# 1912

Delta R.T. -0.01 min

Lab File: BF094609.D

Acq: 25 Apr 2017 17:07

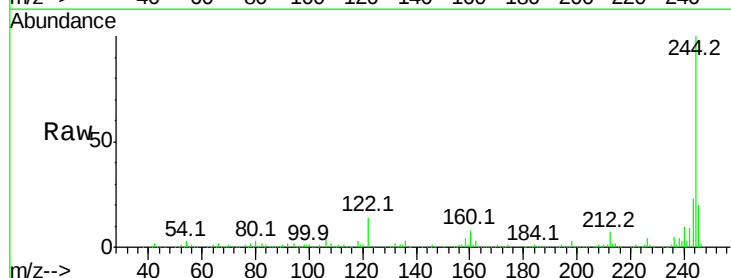
Tgt Ion:244 Resp: 891333

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

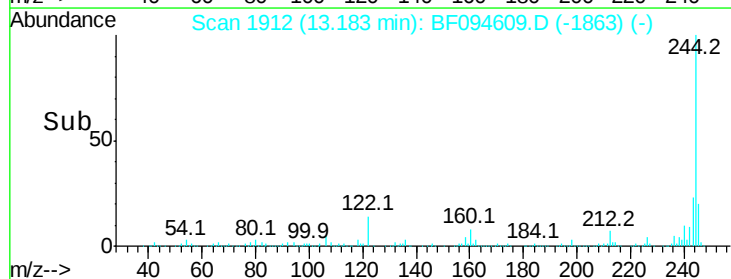
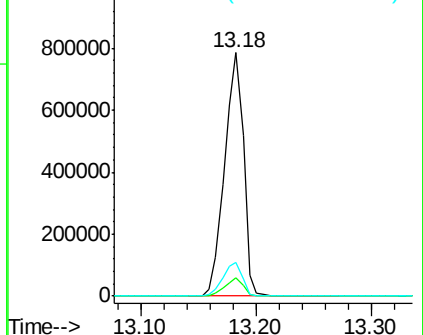
122 13.9 10.3 15.5

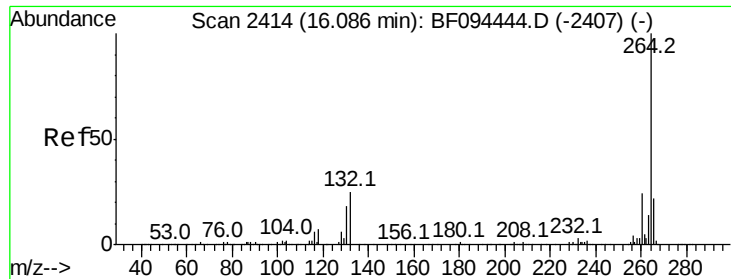


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

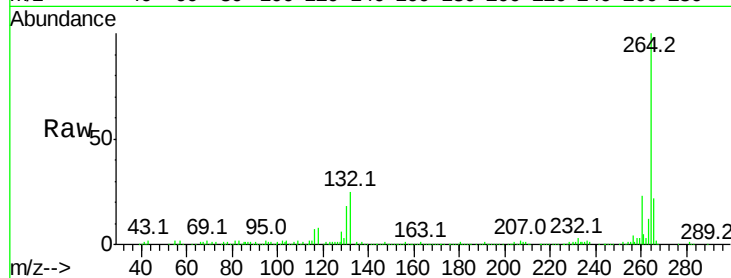




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2404
Delta R.T. -0.01 min
Lab File: BF094609.D
Acq: 25 Apr 2017 17:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.5	29.3
265	21.7	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

