

Data Path : Z:\HPCHEM1\BNA F\Data\BF042117\
 Data File : BF094561.D
 Acq On : 21 Apr 2017 13:56
 Operator : SJ/MA
 Sample : I2744-02DL 20X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 21 15:18:18 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

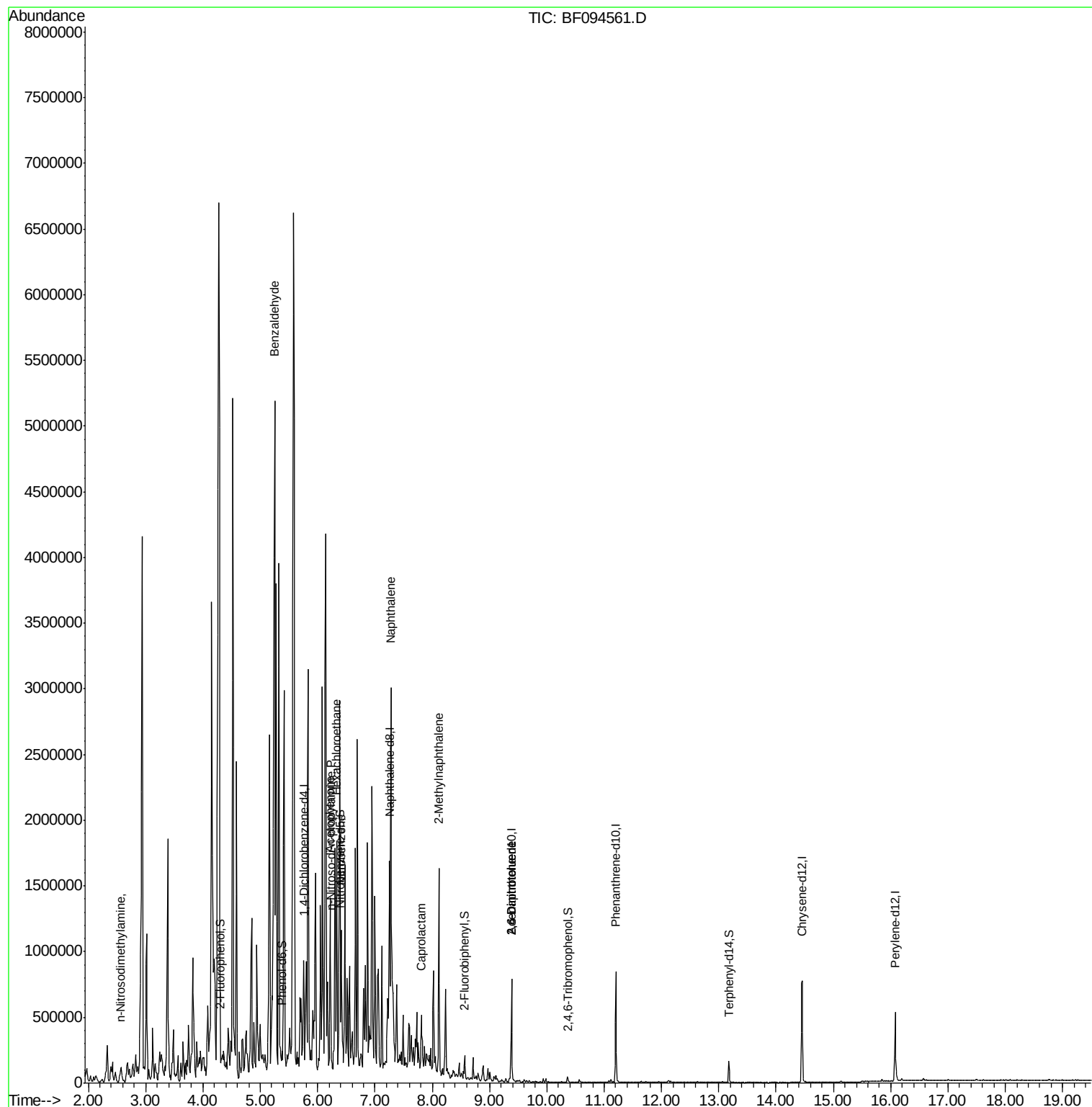
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	94607	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	361474	20.00	ng	0.00
38) Acenaphthene-d10	9.38	164	179309	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	350384	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	333617	20.00	ng	-0.01
86) Perylene-d12	16.08	264	238721	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	32083	5.63	ng	0.00
7) Phenol-d6	5.38	99	40469	6.02	ng	0.00
23) Nitrobenzene-d5	6.40	82	29558	5.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	7924	5.65	ng	-0.01
44) 2-Fluorobiphenyl	8.57	172	54992	4.51	ng	-0.02
78) Terphenyl-d14	13.18	244	54976	4.40	ng	-0.02
Target Compounds						
4) n-Nitrosodimethylamine	2.57	42	8577	2.86	ng	# 1
9) Benzaldehyde	5.24	77	298183	58.31	ng	# 1
18) Hexachloroethane	6.33	117	47955	19.34	ng	# 1
19) n-Nitroso-di-n-propylamine	6.23	70	12276	2.76	ng	# 60
22) Acetophenone	6.22	105	442687	50.37	ng	# 50
24) Nitrobenzene	6.41	77	18417	2.99	ng	# 1
31) Naphthalene	7.28	128	805829	46.37	ng	100
35) Caprolactam	7.81	113	7058	4.49	ng	# 51
37) 2-Methylnaphthalene	8.12	142	431499	36.29	ng	98
50) 2,6-Dinitrotoluene	9.38	165	23346	7.78	ng	# 33
56) 2,4-Dinitrotoluene	9.38	165	23346	6.34	ng	# 32

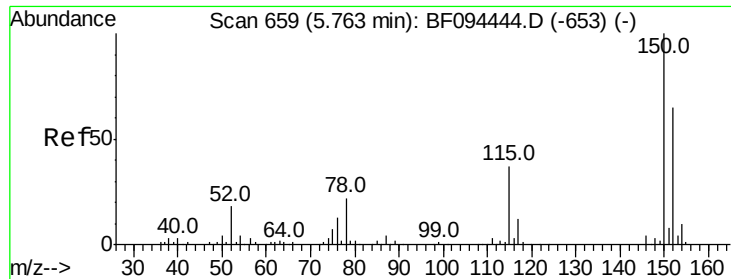
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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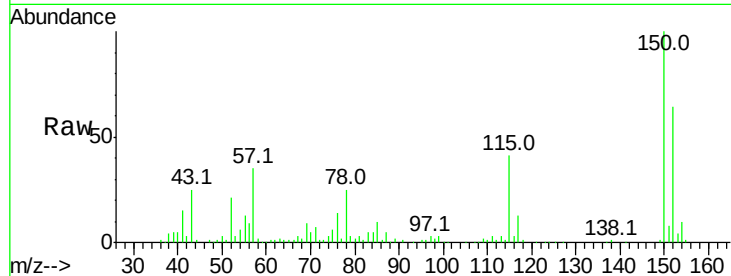


#1

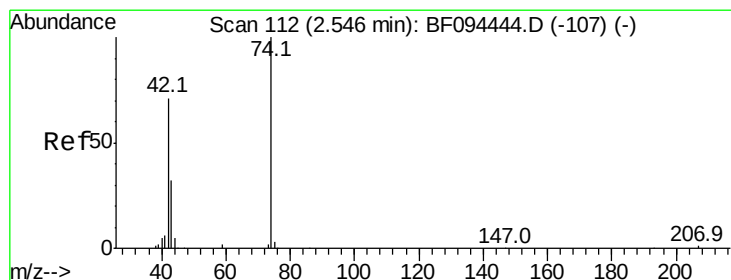
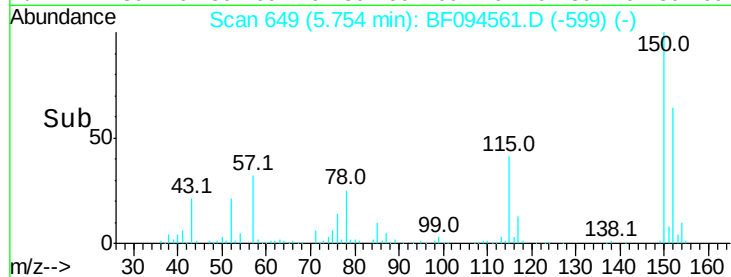
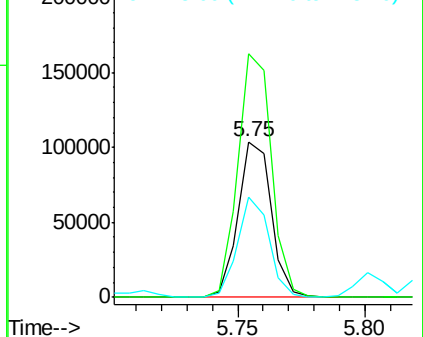
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 649
Delta R.T. -0.01 min
Lab File: BF094561.D
Acq: 21 Apr 2017 13:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 94607
Ion Ratio Lower Upper
152 100
150 156.3 126.2 189.2
115 64.0 52.2 78.2



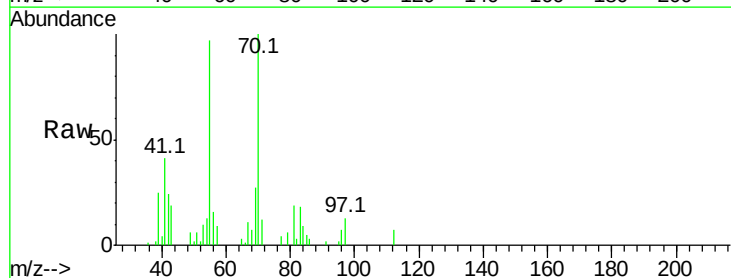
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



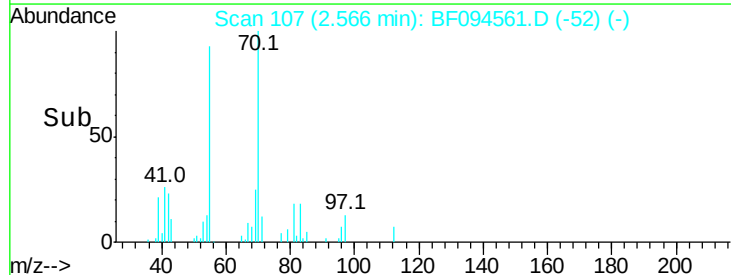
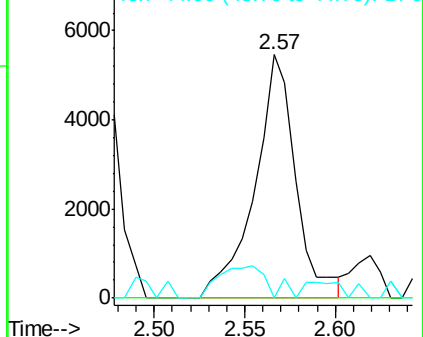
#4

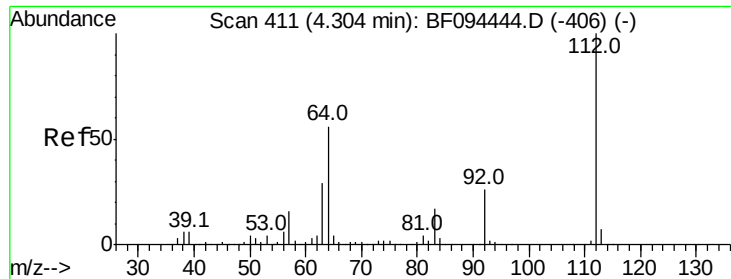
n-Nitrosodimethylamine
Concen: 2.86 ng
RT: 2.57 min Scan# 107
Delta R.T. 0.02 min
Lab File: BF094561.D
Acq: 21 Apr 2017 13:56

Tgt Ion: 42 Resp: 8577
Ion Ratio Lower Upper
42 100
74 0.0 103.9 155.9#
44 0.0 5.7 8.5#



Abundance Ion 42.00 (41.70 to 42.70): BF0
Ion 74.00 (73.70 to 74.70): BF0
Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 5.63 ng

RT: 4.31 min Scan# 403

Delta R.T. 0.00 min

Lab File: BF094561.D

Acq: 21 Apr 2017 13:56

Instrument :

BNA_F

ClientSampleId :

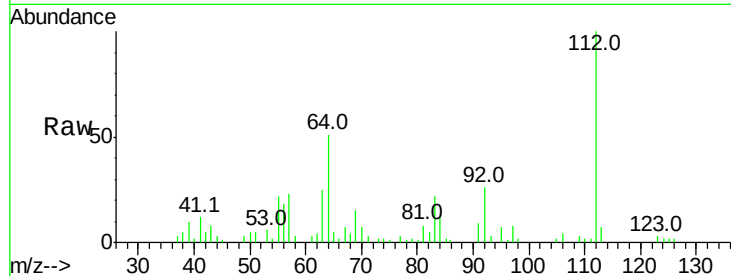
Tot Ion:112 Resp: 32083

Ion Ratio Lower Upper

112 100

64 51.2 46.0 69.0

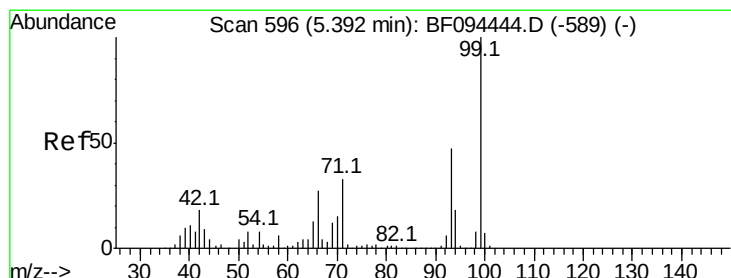
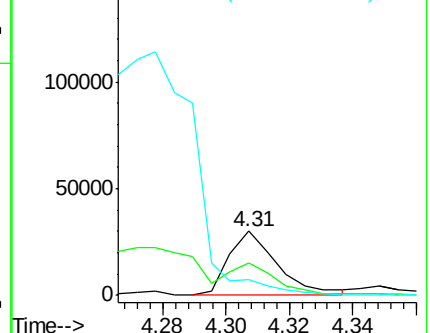
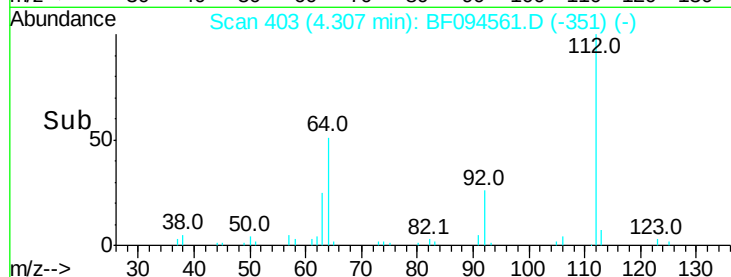
63 24.6 23.4 35.0



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: 6.02 ng

RT: 5.38 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF094561.D

Acq: 21 Apr 2017 13:56

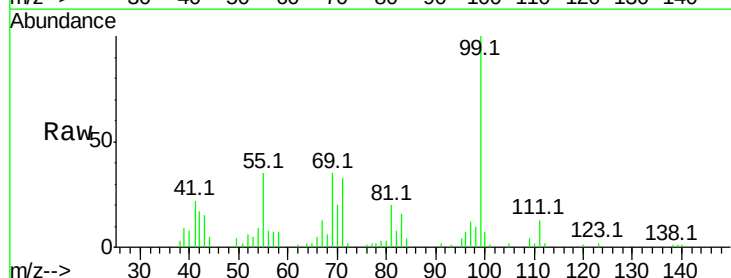
Tgt Ion: 99 Resp: 40469

Ion Ratio Lower Upper

99 100

42 17.3 13.5 20.3

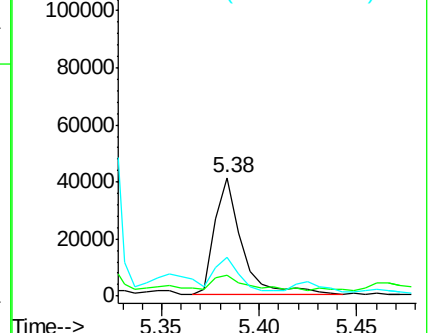
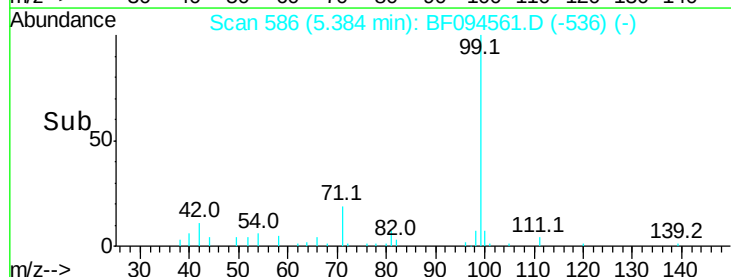
71 32.6 24.5 36.7

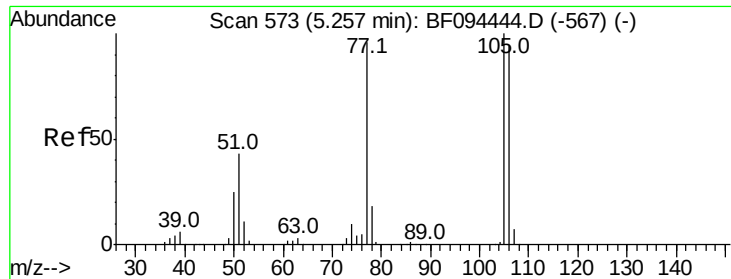


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 58.31 ng

RT: 5.24 min Scan# 562

Delta R.T. -0.01 min

Lab File: BF094561.D

Acq: 21 Apr 2017 13:56

Instrument :

BNA_F

ClientSampled :

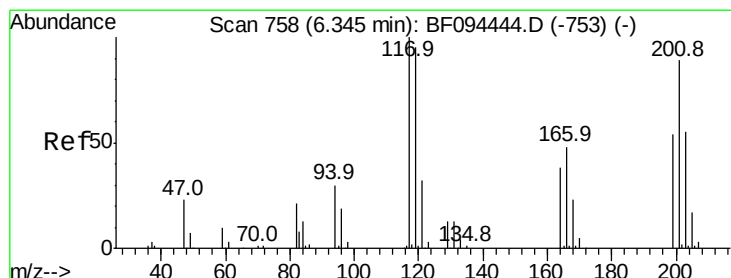
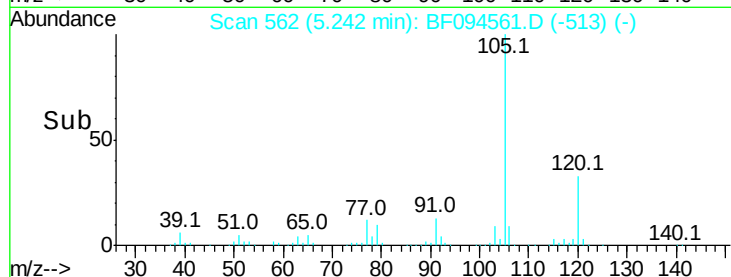
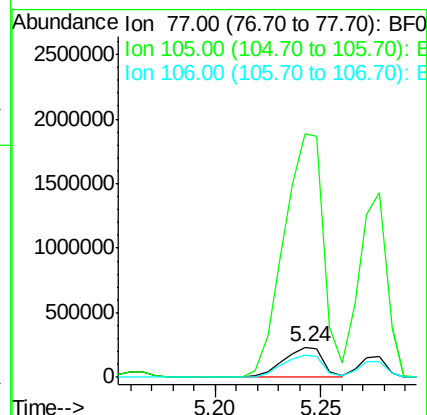
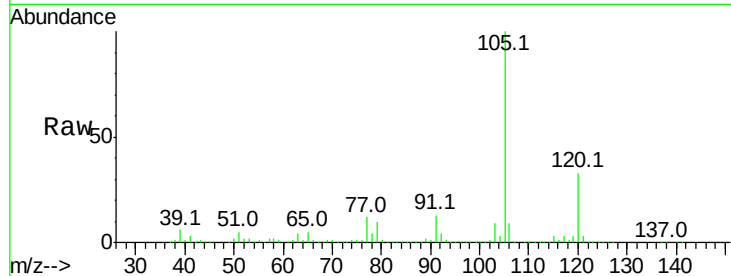
Tot Ion: 77 Resp: 298183

Ion Ratio Lower Upper

77 100

105 815.5 83.8 123.8#

106 76.0 79.1 119.1#



#18

Hexachloroethane

Concen: 19.34 ng

RT: 6.33 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF094561.D

Acq: 21 Apr 2017 13:56

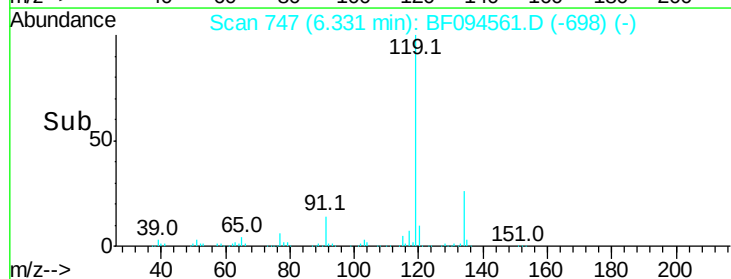
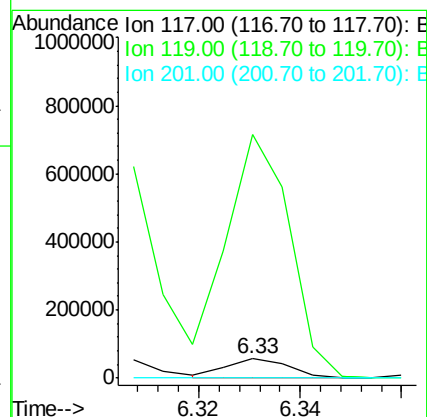
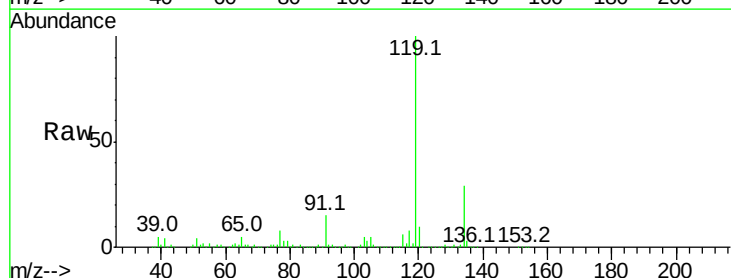
Tgt Ion: 117 Resp: 47955

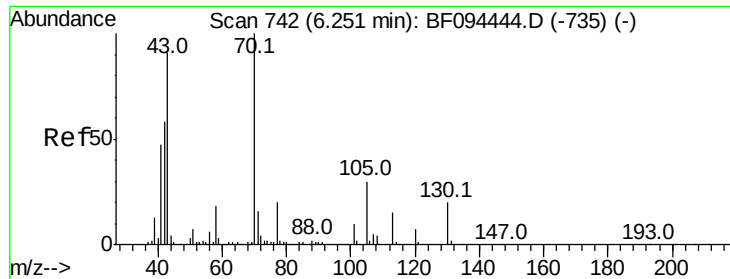
Ion Ratio Lower Upper

117 100

119 1263.8 77.4 116.0#

201 0.0 94.6 141.8#

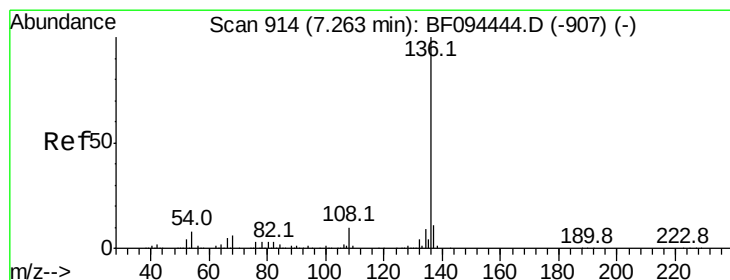
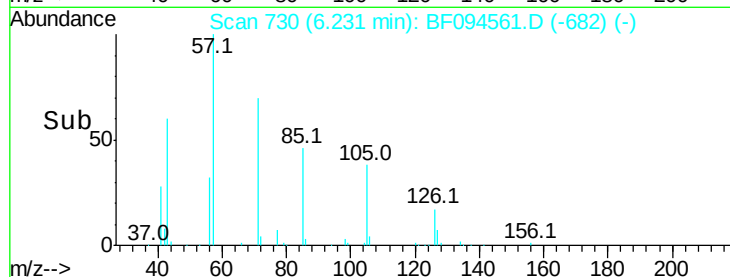
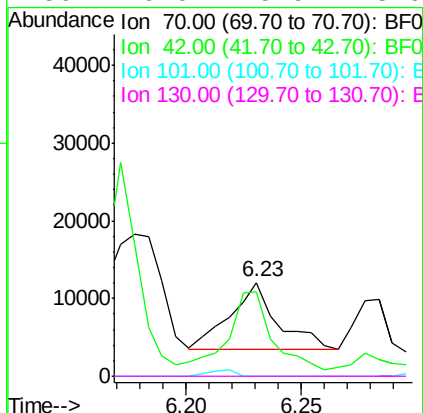
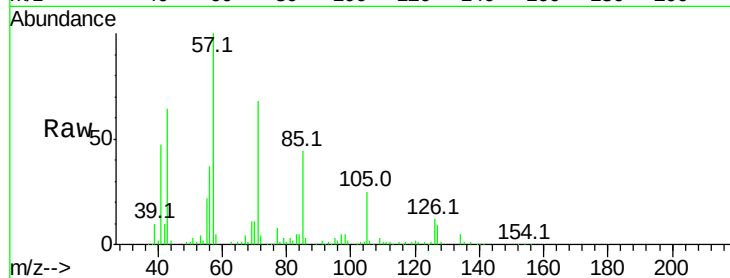




#19
n-Nitroso-di-n-propylamine
Concen: 2.76 ng
RT: 6.23 min Scan# 730
Delta R.T. -0.02 min
Lab File: BF094561.D
Acq: 21 Apr 2017 13:56

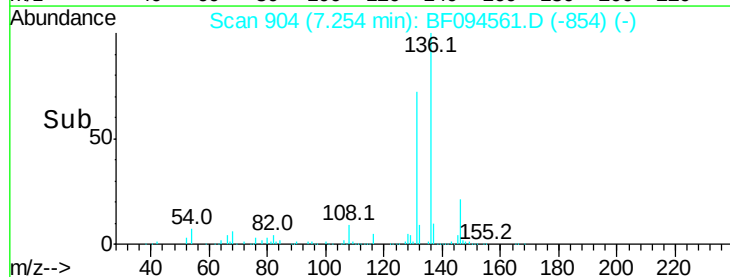
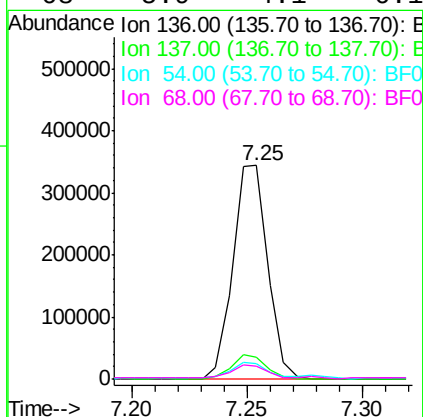
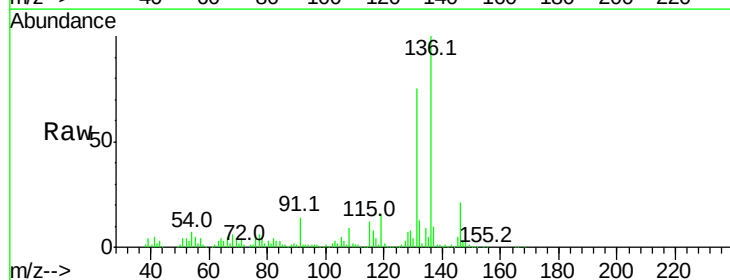
Instrument :
BNA_F
ClientSampled :

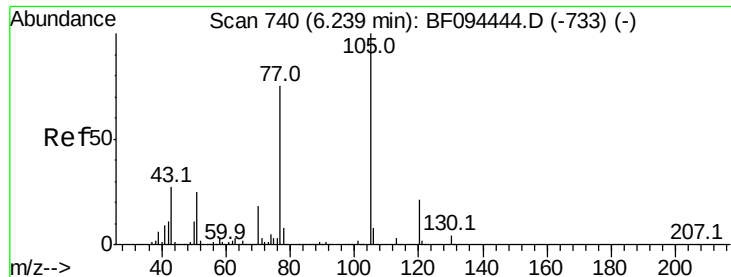
Tot Ion:	70	Resp:	12276
Ion	Ratio	Lower	Upper
70	100		
42	90.3	47.2	70.8#
101	0.0	7.2	10.8#
130	0.0	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.25 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF094561.D
Acq: 21 Apr 2017 13:56

Tgt Ion:	136	Resp:	361474
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.5	12.7
54	7.3	4.9	7.3#
68	5.9	4.1	6.1





#22

Acetophenone

Concen: 50.37 ng

RT: 6.22 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF094561.D

Acq: 21 Apr 2017 13:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 442687

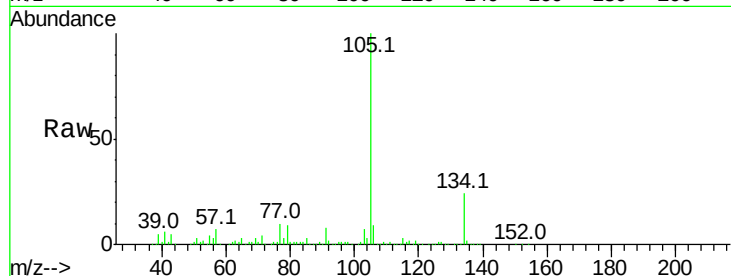
Ion Ratio Lower Upper

105 100

71 3.9 2.8 4.2

51 3.5 30.7 46.1#

120 0.4 17.4 26.0#

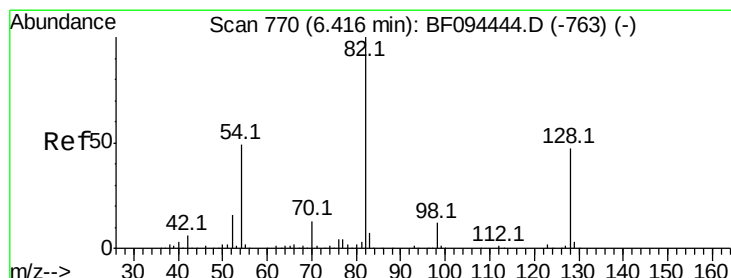
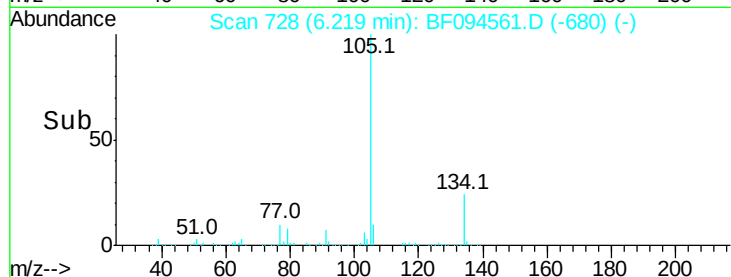
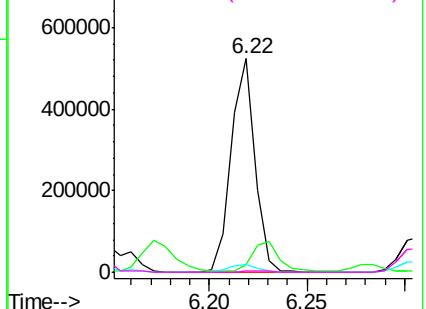


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 5.05 ng

RT: 6.40 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF094561.D

Acq: 21 Apr 2017 13:56

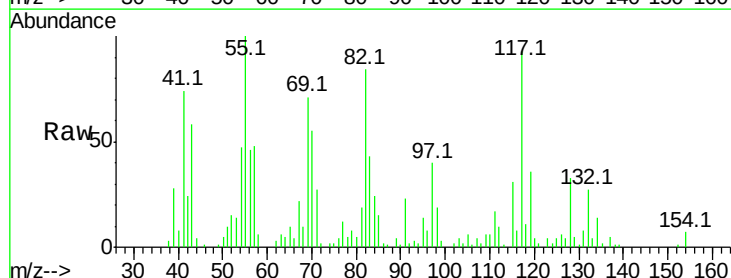
Tgt Ion: 82 Resp: 29558

Ion Ratio Lower Upper

82 100

128 38.9 34.0 51.0

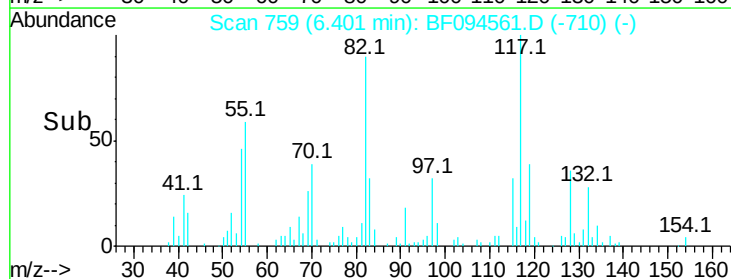
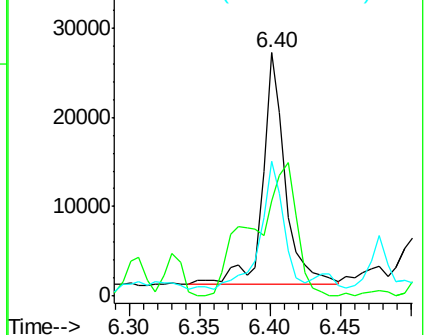
54 55.3 42.2 63.2

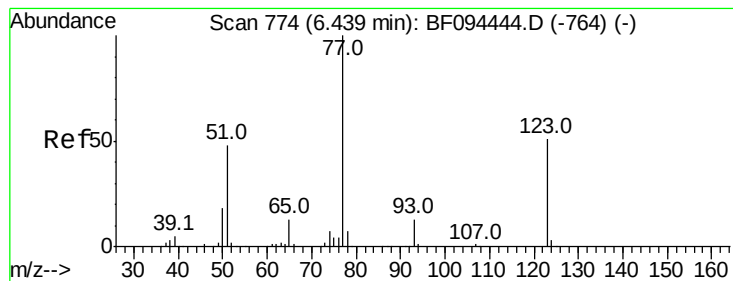


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 2.99 ng

RT: 6.41 min Scan# 761

Delta R.T. -0.03 min

Lab File: BF094561.D

Acq: 21 Apr 2017 13:56

Instrument :

BNA_F

ClientSampleId :

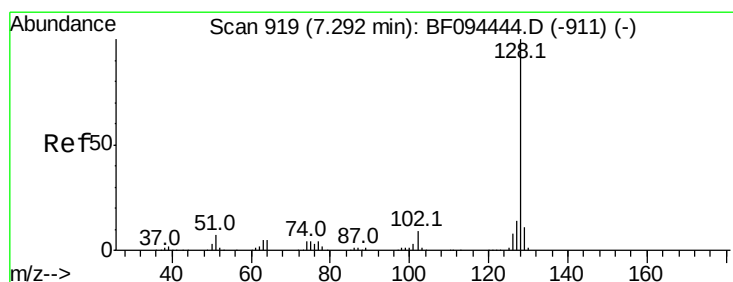
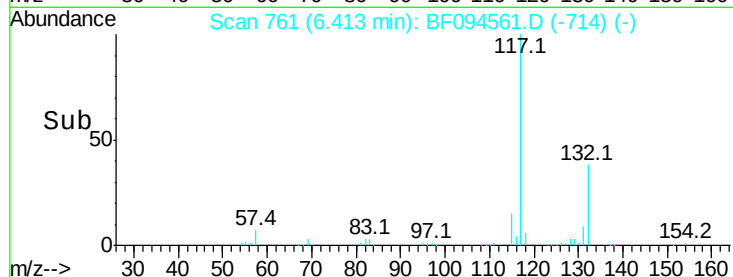
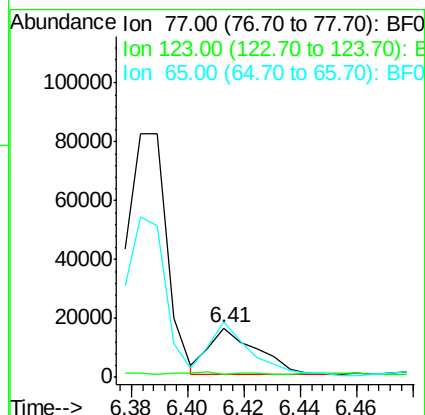
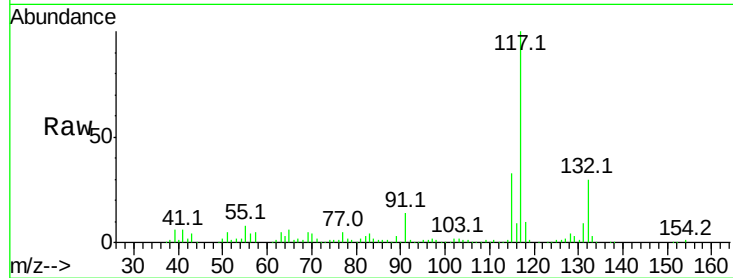
Tot Ion: 77 Resp: 18417

Ion Ratio Lower Upper

77 100

123 6.6 35.8 53.8#

65 114.1 10.6 15.8#



#31

Naphthalene

Concen: 46.37 ng

RT: 7.28 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF094561.D

Acq: 21 Apr 2017 13:56

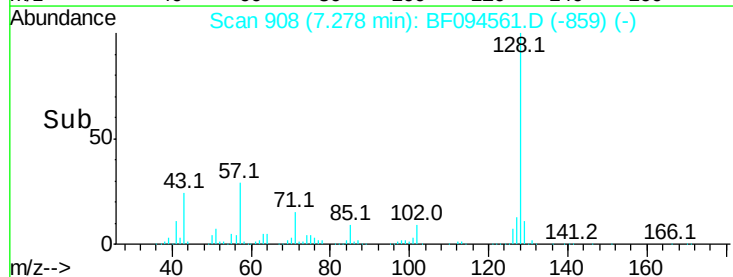
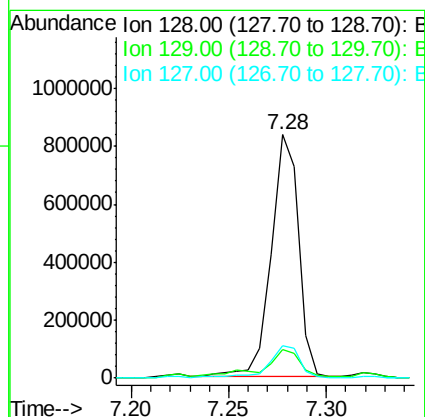
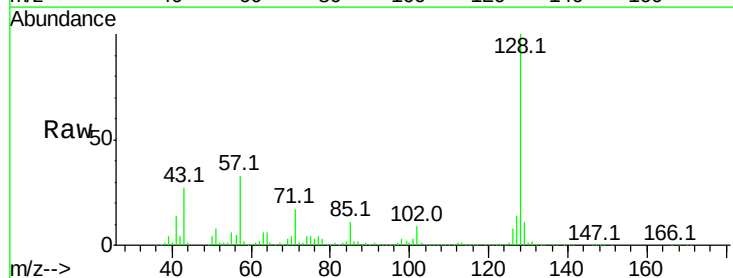
Tgt Ion:128 Resp: 805829

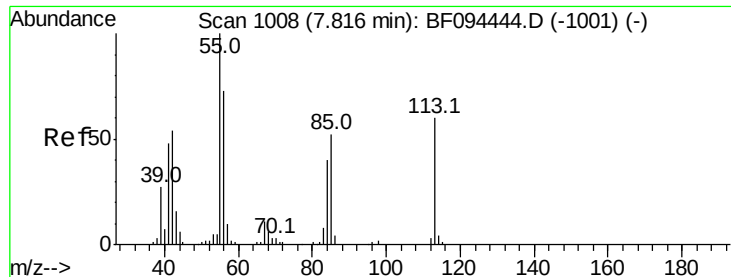
Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

127 13.5 10.8 16.2

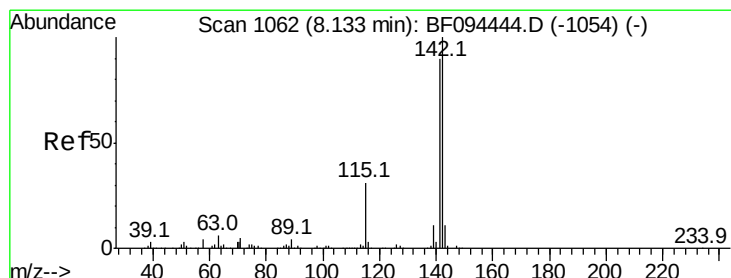
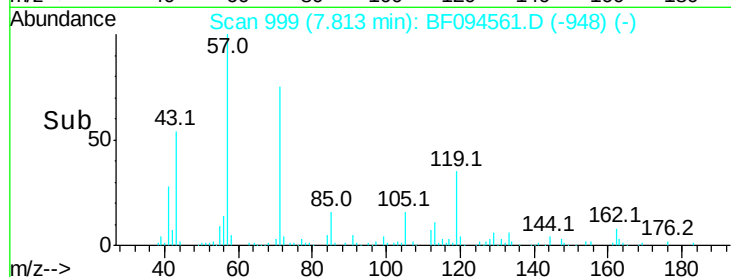
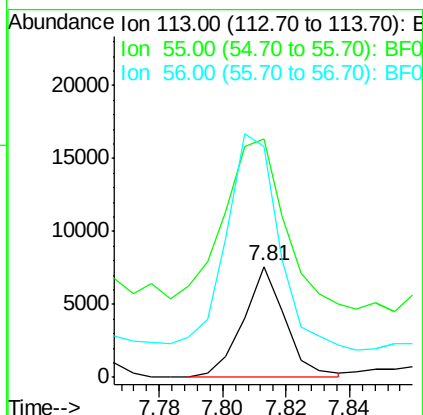
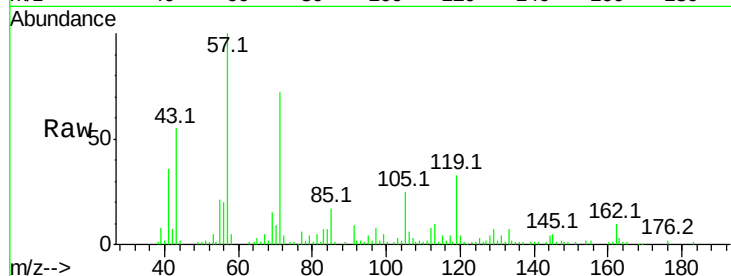




#35
 Caprolactam
 Concen: 4.49 ng
 RT: 7.81 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: BF094561.D
 Acq: 21 Apr 2017 13:56

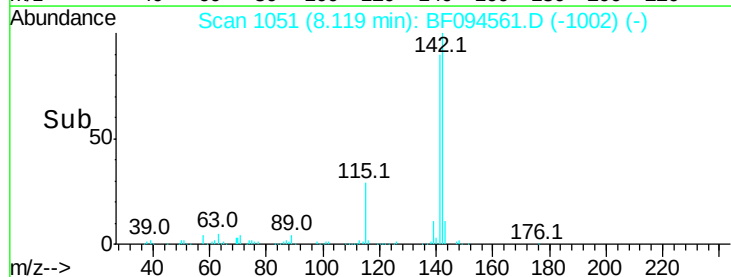
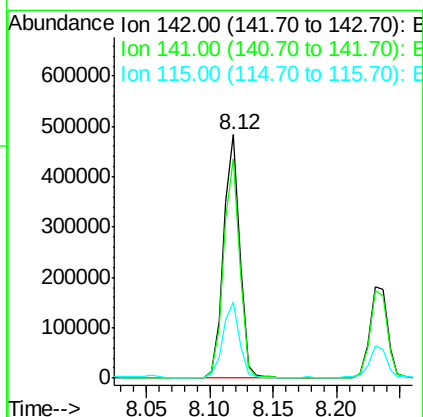
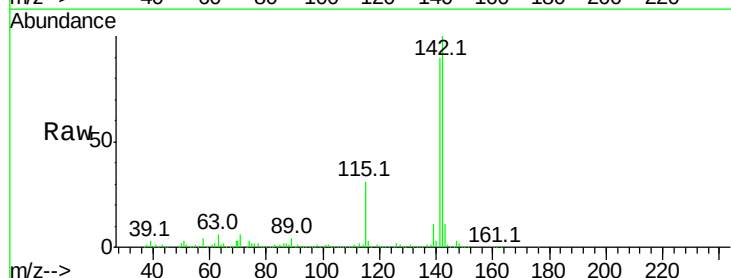
Instrument :
 BNA_F
 ClientSampled :

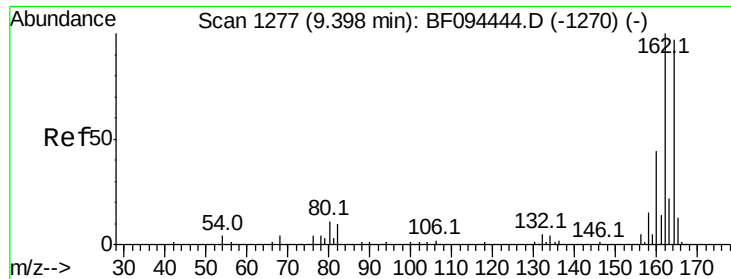
Tot Ion:113 Resp: 7058
 Ion Ratio Lower Upper
 113 100
 55 215.4 150.2 190.2#
 56 207.6 107.8 147.8#



#37
 2-Methylnaphthalene
 Concen: 36.29 ng
 RT: 8.12 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: BF094561.D
 Acq: 21 Apr 2017 13:56

Tgt Ion:142 Resp: 431499
 Ion Ratio Lower Upper
 142 100
 141 90.3 71.3 106.9
 115 31.2 27.1 40.7

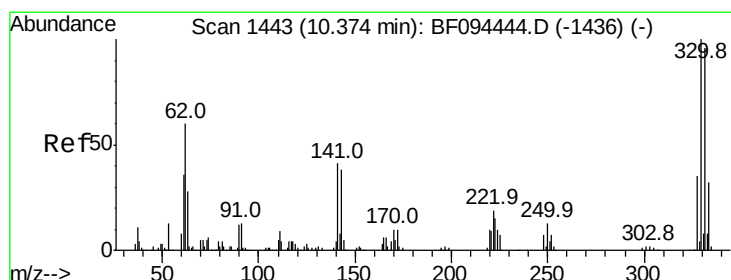
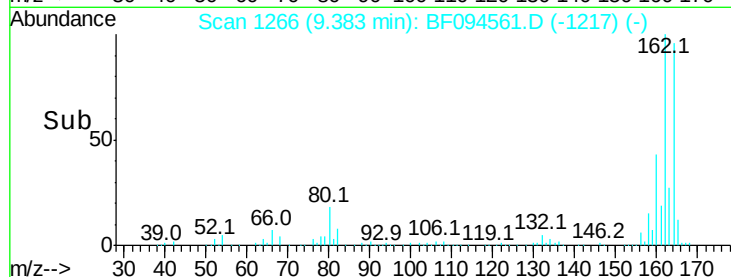
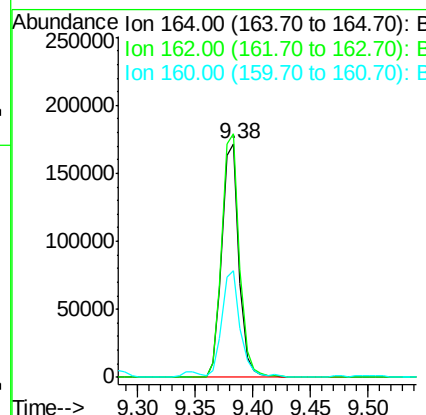
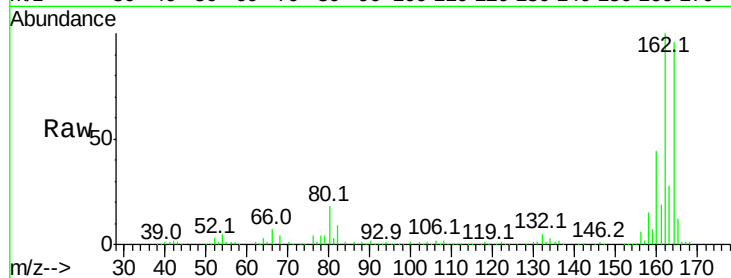




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: BF094561.D
 Acq: 21 Apr 2017 13:56

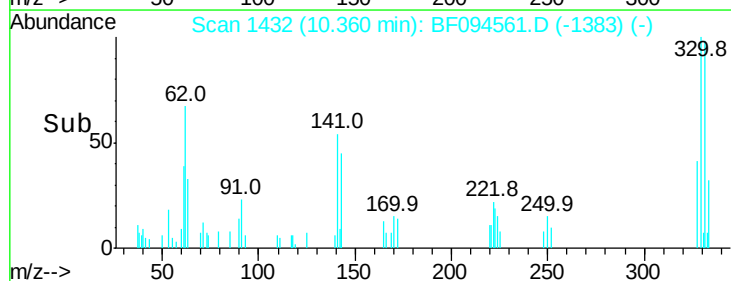
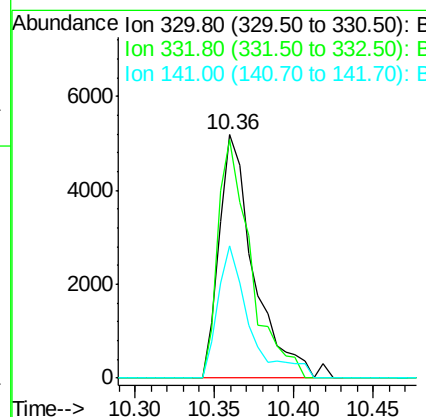
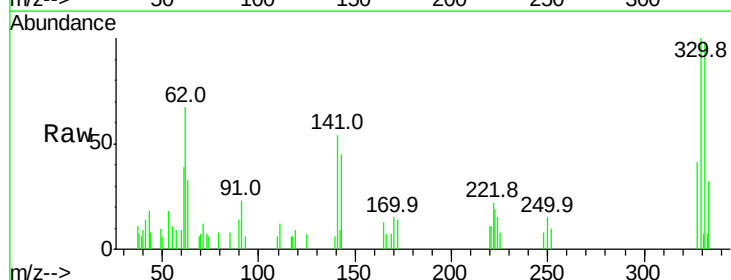
Instrument :
 BNA_F
 ClientSampleId :

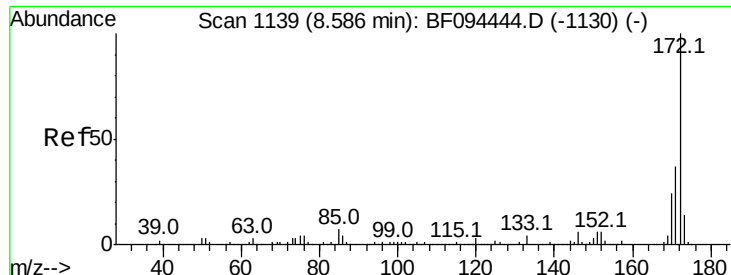
Tot Ion:164 Resp: 179309
 Ion Ratio Lower Upper
 164 100
 162 104.1 82.6 123.8
 160 45.5 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 5.65 ng
 RT: 10.36 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF094561.D
 Acq: 21 Apr 2017 13:56

Tgt Ion:330 Resp: 7924
 Ion Ratio Lower Upper
 330 100
 332 92.3 76.6 115.0
 141 49.1 31.4 47.2#

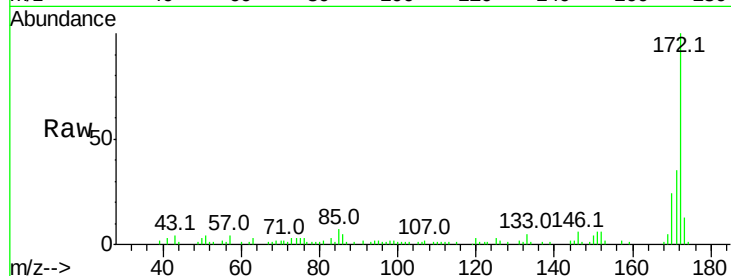




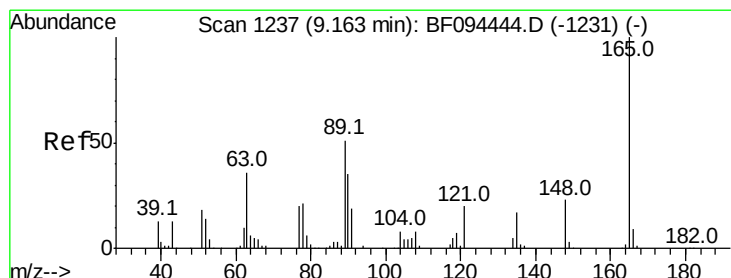
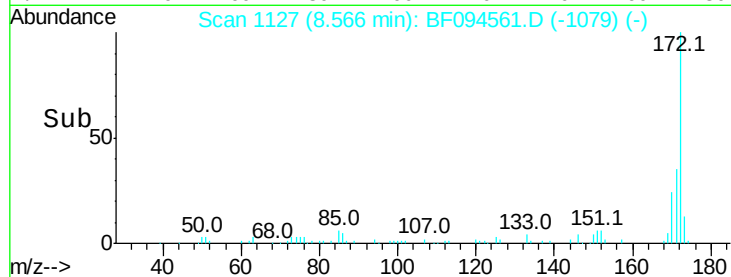
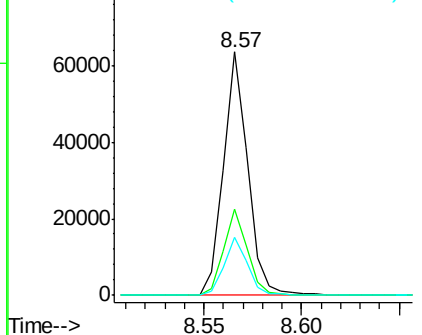
#44
 2-Fluorobiphenyl
 Concen: 4.51 ng
 RT: 8.57 min Scan# 1127
 Delta R.T. -0.02 min
 Lab File: BF094561.D
 Acq: 21 Apr 2017 13:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 54992
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 23.8 19.8 29.8

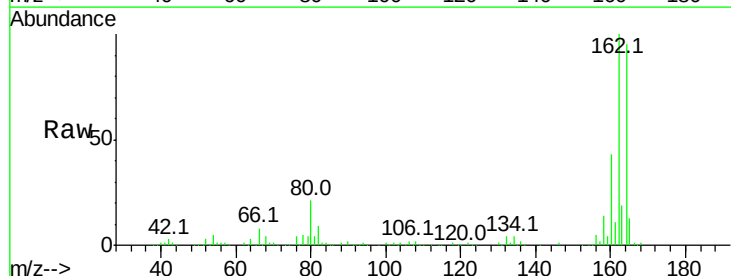


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

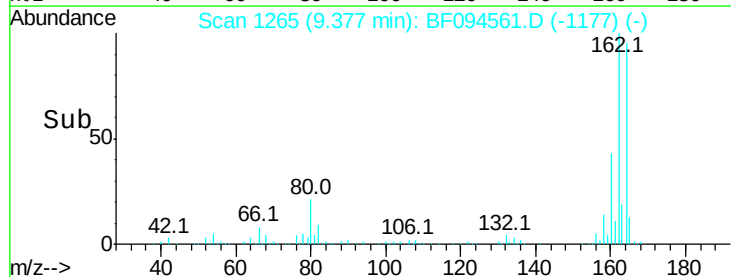
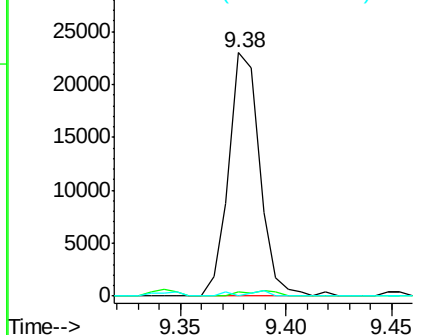


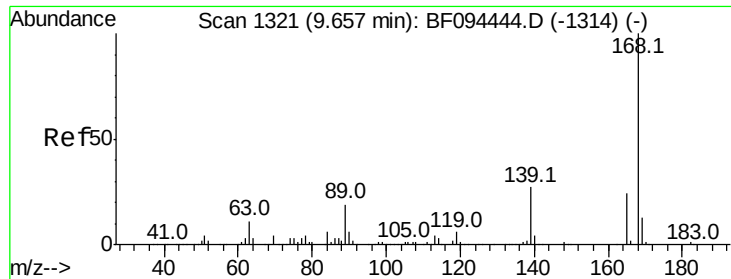
#50
 2,6-Dinitrotoluene
 Concen: 7.78 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. 0.21 min
 Lab File: BF094561.D
 Acq: 21 Apr 2017 13:56

Tgt Ion:165 Resp: 23346
 Ion Ratio Lower Upper
 165 100
 63 1.9 34.3 51.5#
 89 0.0 37.1 55.7#



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

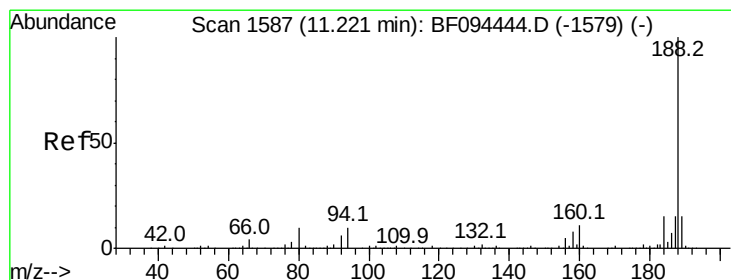
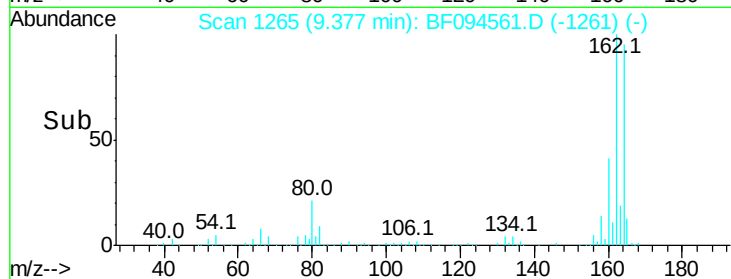
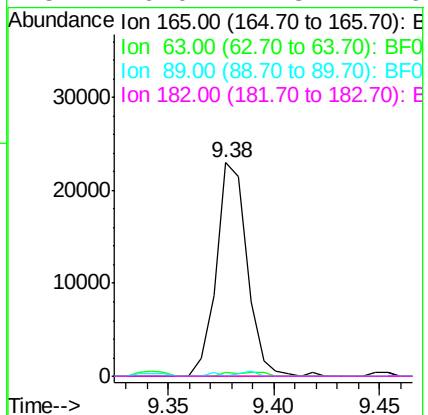
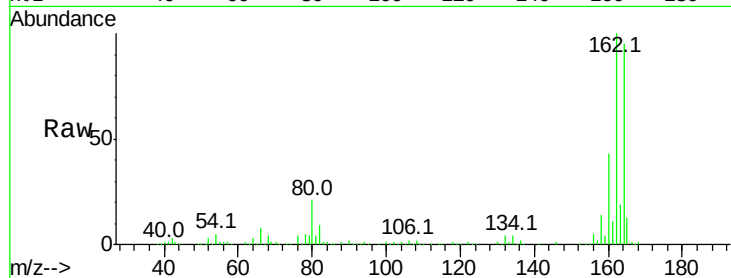




#56
 2,4-Dinitrotoluene
 Concen: 6.34 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.28 min
 Lab File: BF094561.D
 Acq: 21 Apr 2017 13:56

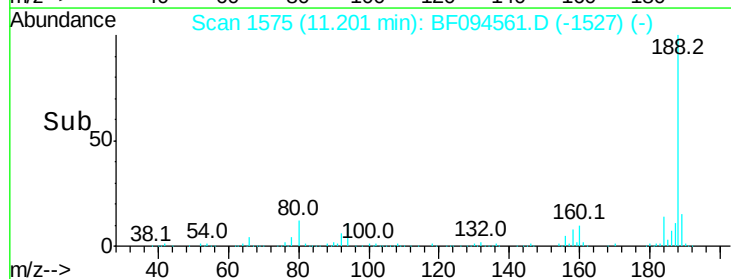
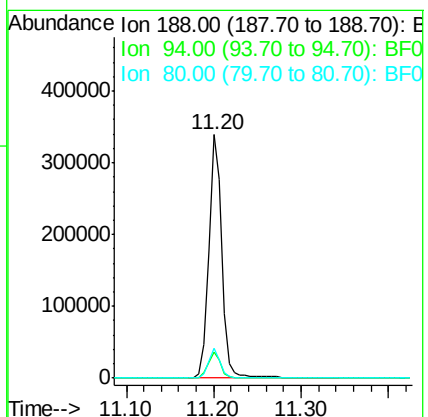
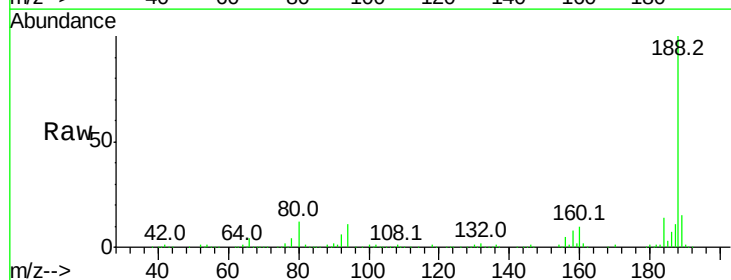
Instrument :
 BNA_F
 ClientSampleId :

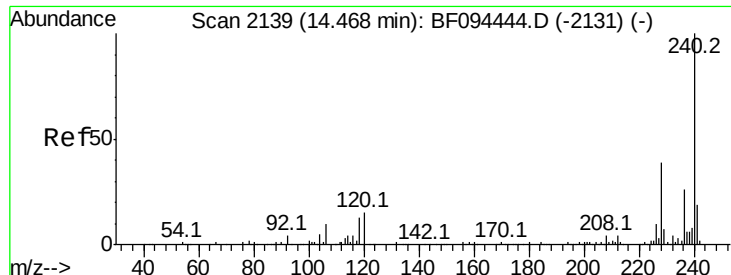
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1575
 Delta R.T. -0.02 min
 Lab File: BF094561.D
 Acq: 21 Apr 2017 13:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.4	14.2
80	12.1	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: BF094561.D

Acq: 21 Apr 2017 13:56

Instrument :

BNA_F

ClientSampleId :

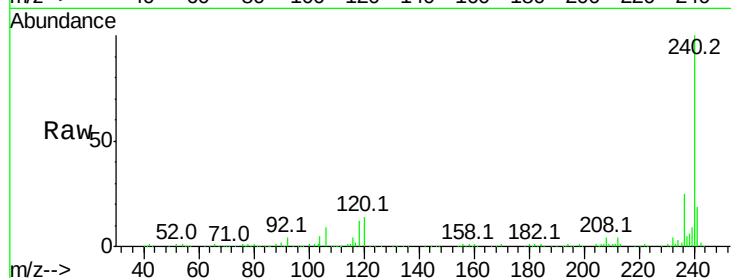
Tot Ion:240 Resp: 333617

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

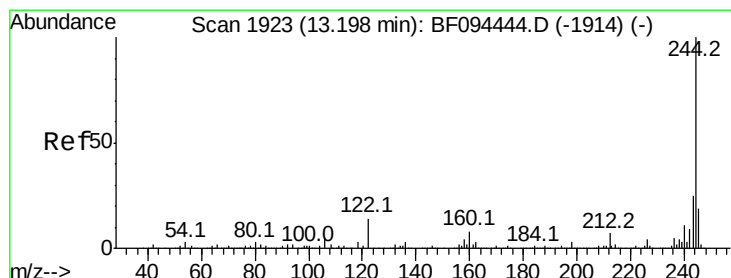
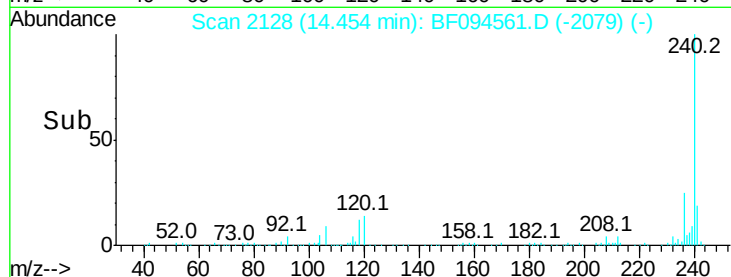
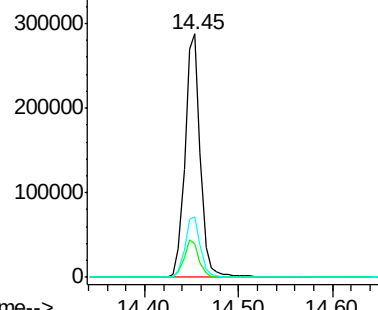
236 24.7 20.5 30.7



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: 4.40 ng

RT: 13.18 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BF094561.D

Acq: 21 Apr 2017 13:56

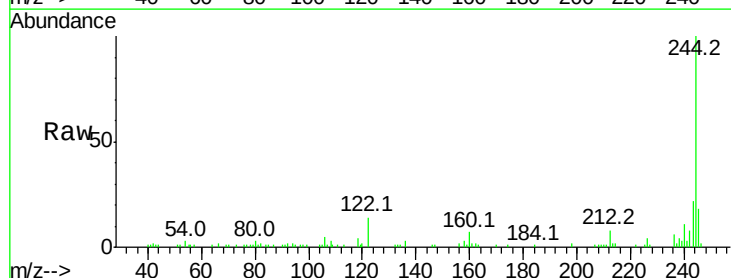
Tgt Ion:244 Resp: 54976

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

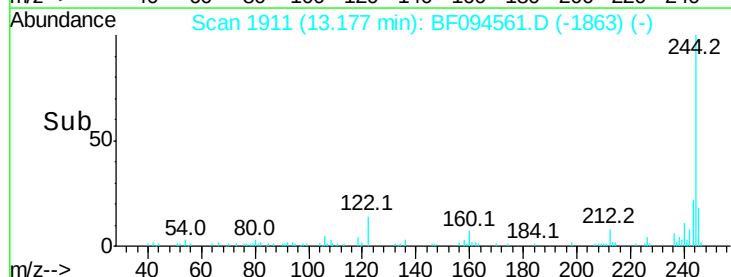
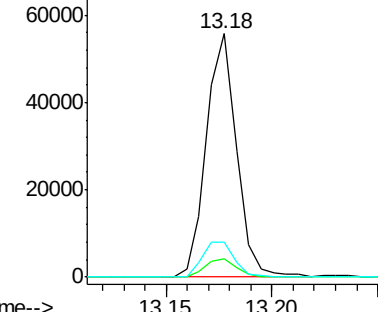
122 14.4 10.3 15.5

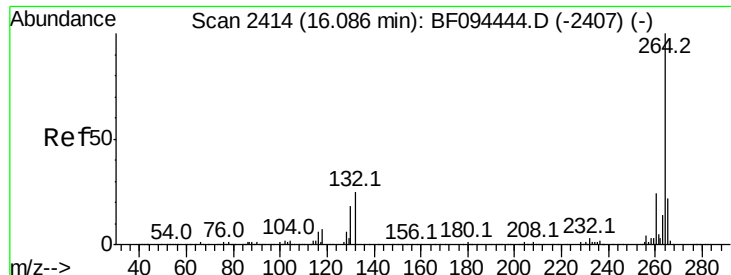


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

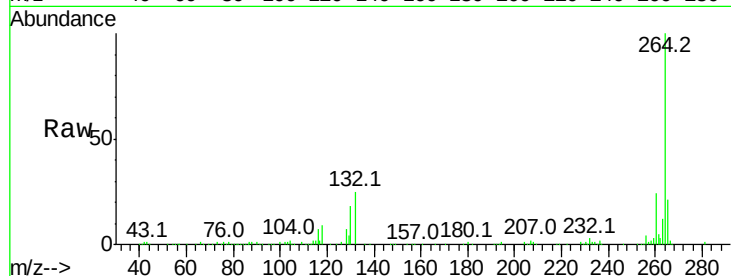




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 16.08 min Scan# 2404
 Delta R.T. -0.01 min
 Lab File: BF094561.D
 Acq: 21 Apr 2017 13:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.2	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

