

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
 Data File : BF094771.D
 Acq On : 2 May 2017 1:52
 Operator : SJ/MA
 Sample : I2920-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 02 04:54:23 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

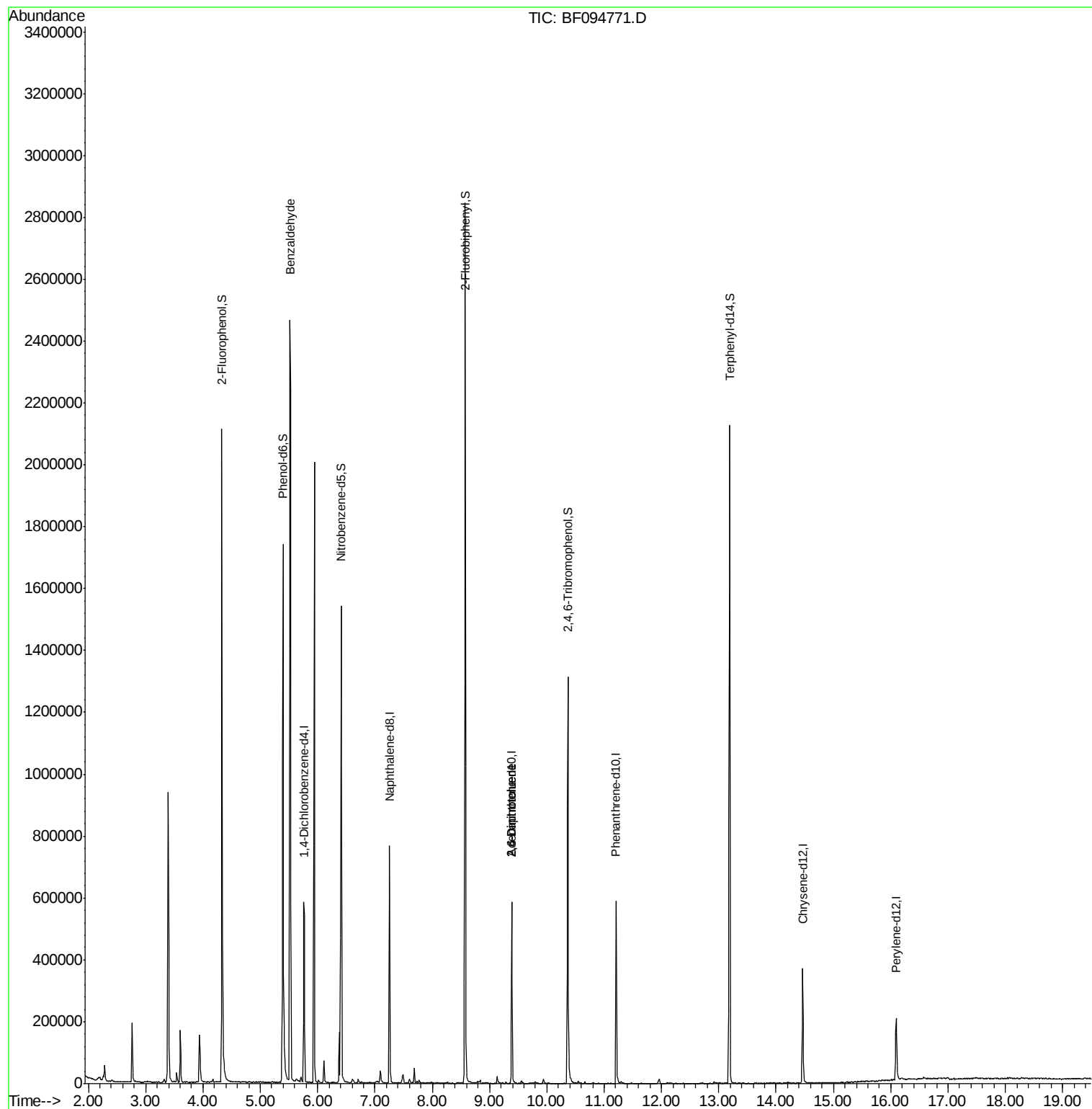
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	96871	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	373930	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	130238	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	259759	20.00	ng	-0.01
75) Chrysene-d12	14.47	240	160833	20.00	ng	0.00
86) Perylene-d12	16.09	264	71460	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	676052	115.78	ng	0.03
7) Phenol-d6	5.40	99	669472	97.26	ng	0.00
23) Nitrobenzene-d5	6.41	82	547084	90.34	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	173770	170.58	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1055543	119.25	ng	0.00
78) Terphenyl-d14	13.19	244	768681	127.75	ng	0.00
Target Compounds						
9) Benzaldehyde	5.52	77	14742	2.82	ng	87
50) 2,6-Dinitrotoluene	9.39	165	16279	7.47	ng	# 33
56) 2,4-Dinitrotoluene	9.39	165	16279	6.09	ng	# 33

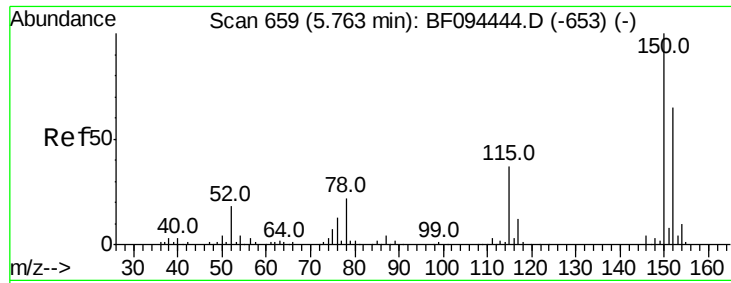
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.76 min Scan# 650

Delta R.T. -0.00 min

Lab File: BF094771.D

Acq: 2 May 2017 1:52

Instrument :

BNA_F

ClientSampleId :

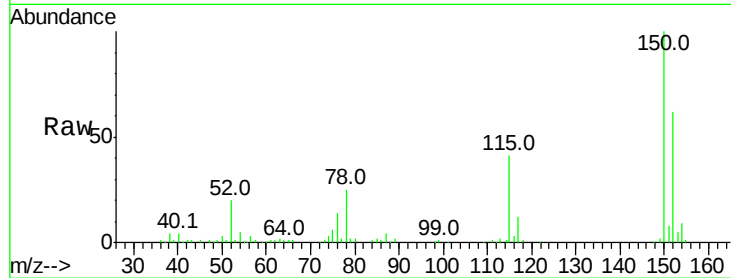
Tot Ion:152 Resp: 96871

Ion Ratio Lower Upper

152 100

150 161.4 126.2 189.2

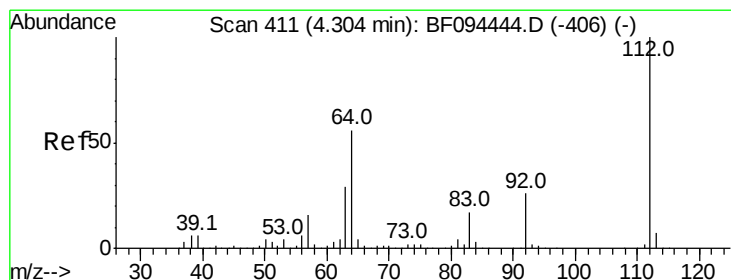
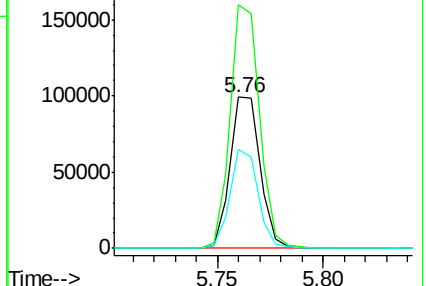
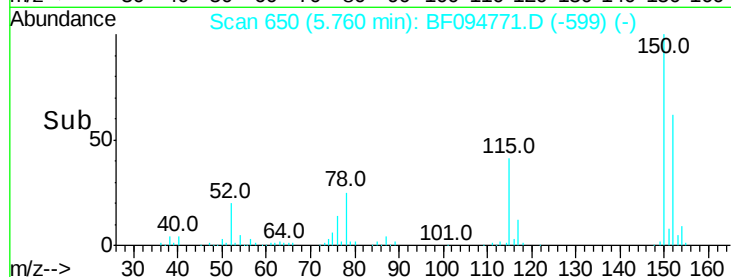
115 65.7 52.2 78.2



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: 115.78 ng

RT: 4.33 min Scan# 407

Delta R.T. 0.03 min

Lab File: BF094771.D

Acq: 2 May 2017 1:52

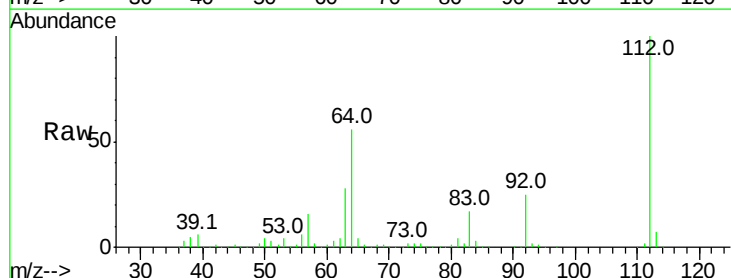
Tgt Ion:112 Resp: 676052

Ion Ratio Lower Upper

112 100

64 56.2 46.0 69.0

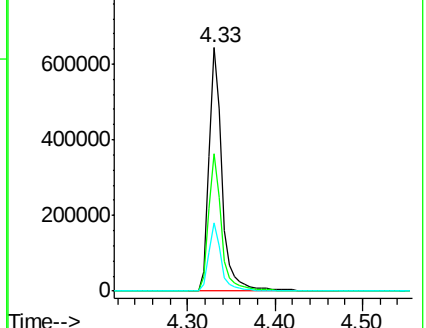
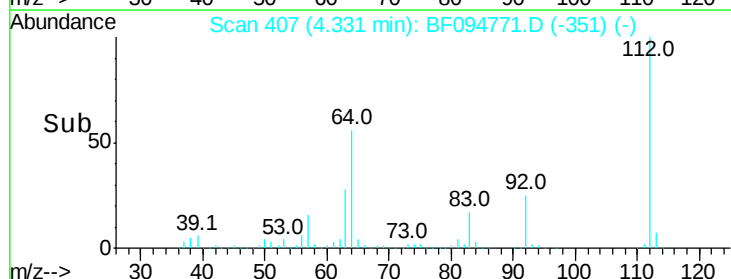
63 28.1 23.4 35.0

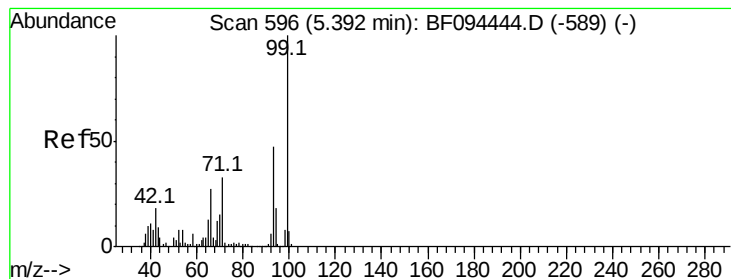


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.26 ng

RT: 5.40 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF094771.D

Acq: 2 May 2017 1:52

Instrument :

BNA_F

ClientSampleId :

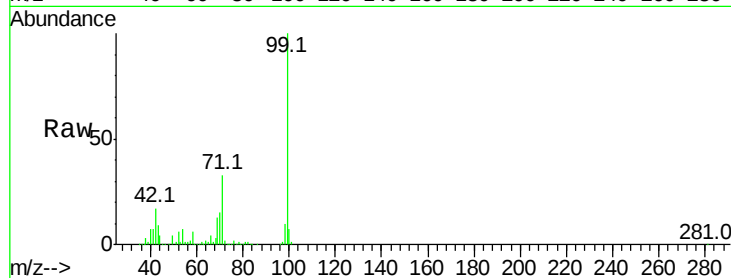
Tot Ion: 99 Resp: 669472

Ion Ratio Lower Upper

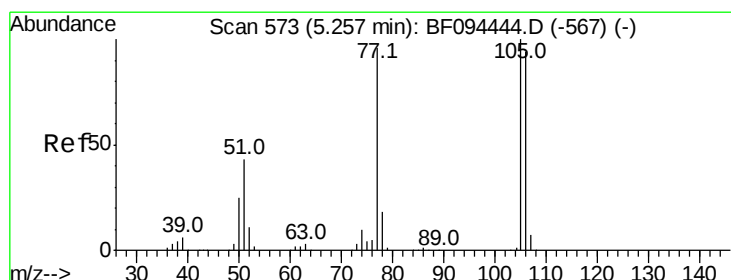
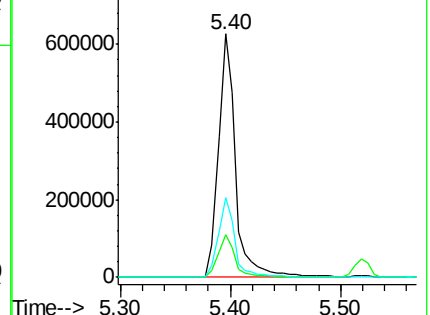
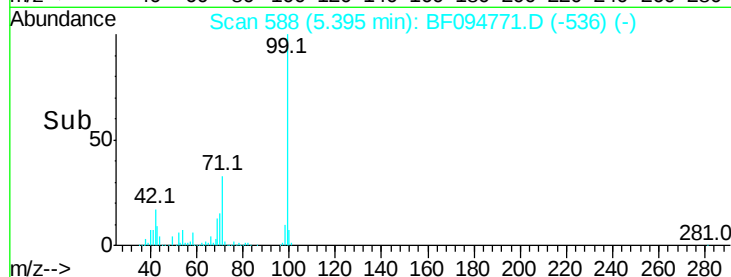
99 100

42 17.4 13.5 20.3

71 32.8 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: 2.82 ng

RT: 5.52 min Scan# 609

Delta R.T. 0.26 min

Lab File: BF094771.D

Acq: 2 May 2017 1:52

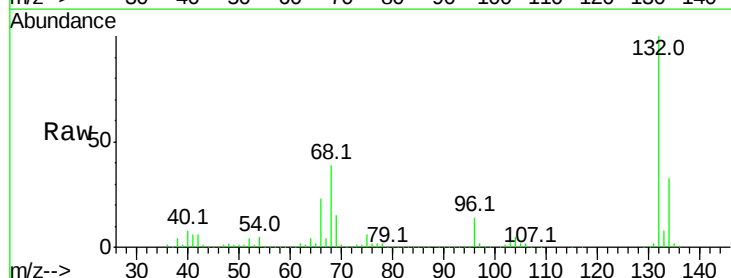
Tgt Ion: 77 Resp: 14742

Ion Ratio Lower Upper

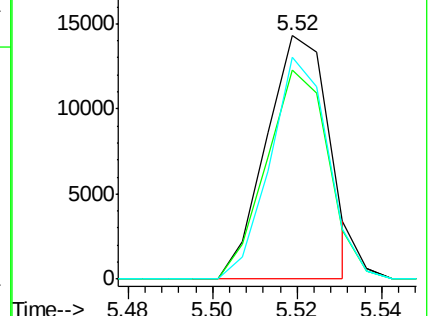
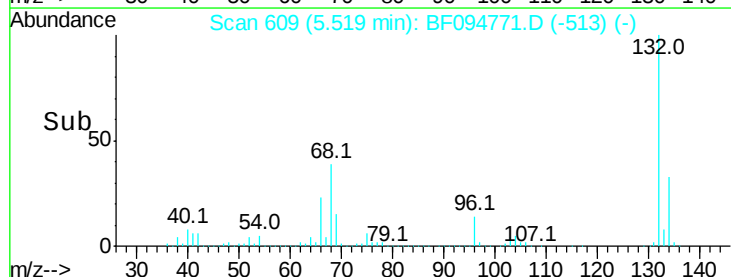
77 100

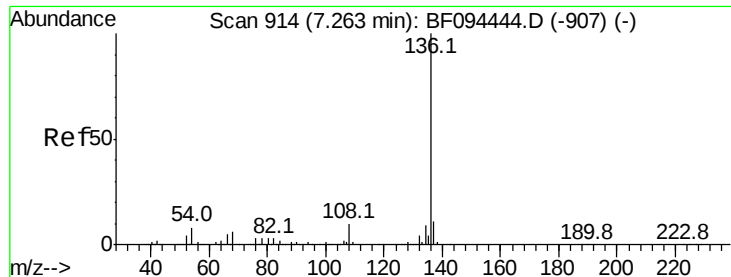
105 86.0 83.8 123.8

106 91.1 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF094771.D

Acq: 2 May 2017 1:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 373930

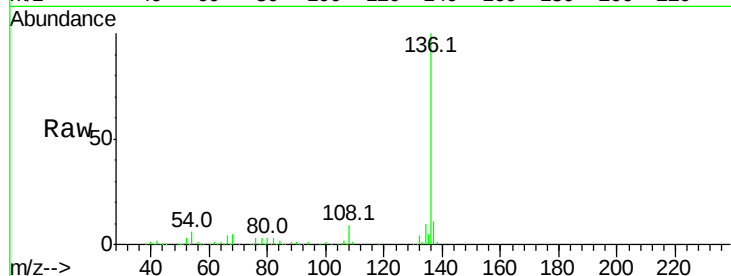
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 6.3 4.9 7.3

68 5.4 4.1 6.1

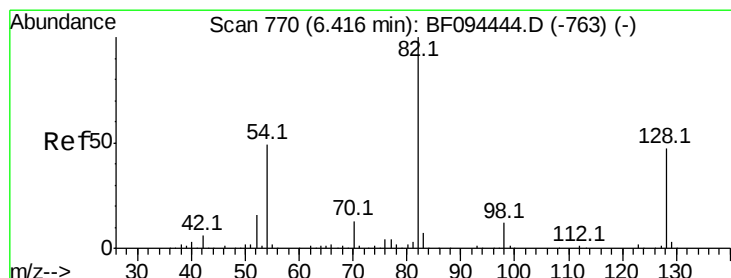
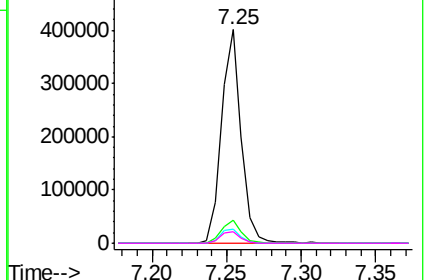
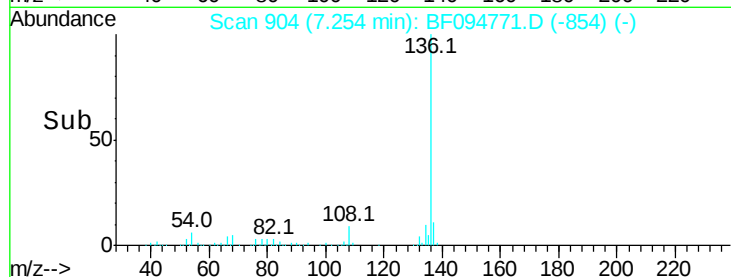


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.34 ng

RT: 6.41 min Scan# 761

Delta R.T. -0.00 min

Lab File: BF094771.D

Acq: 2 May 2017 1:52

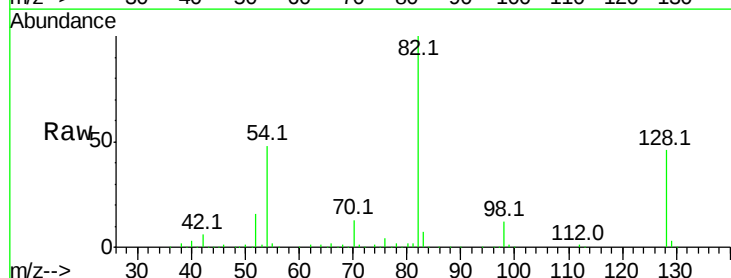
Tgt Ion: 82 Resp: 547084

Ion Ratio Lower Upper

82 100

128 46.0 34.0 51.0

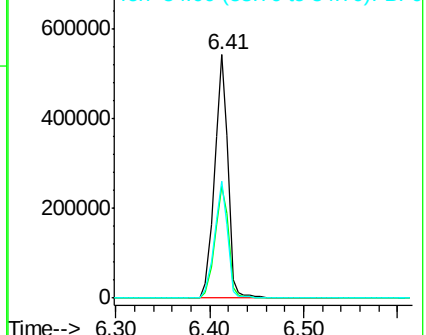
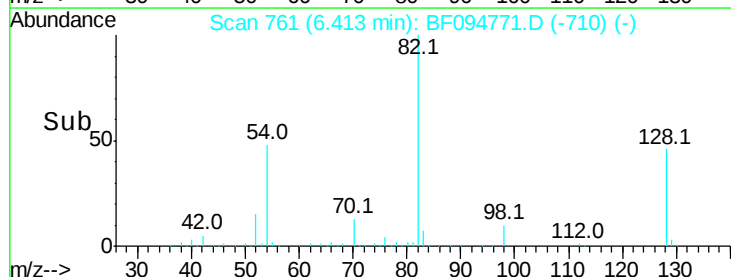
54 48.1 42.2 63.2

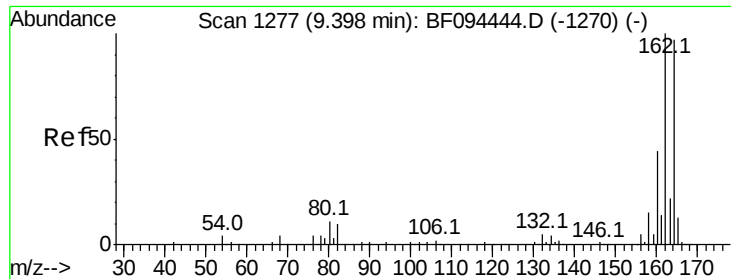


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

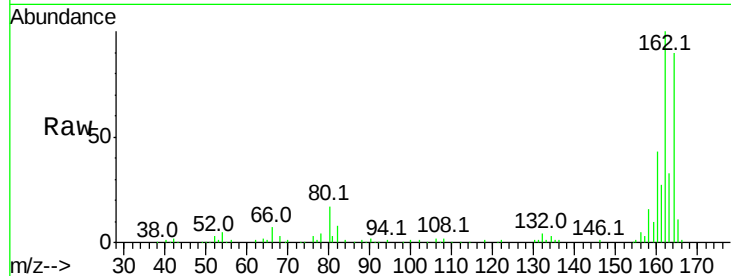




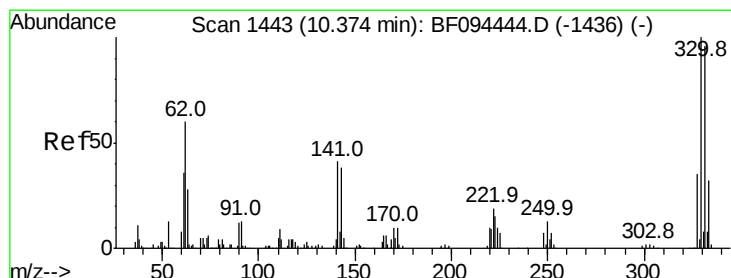
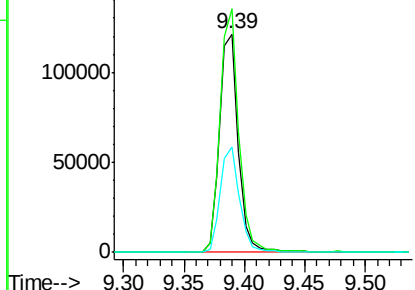
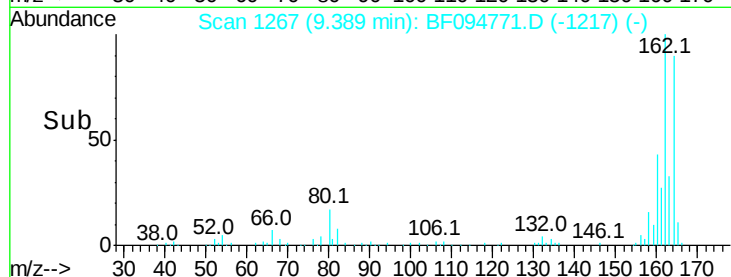
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF094771.D
 Acq: 2 May 2017 1:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 130238
 Ion Ratio Lower Upper
 164 100
 162 111.6 82.6 123.8
 160 48.3 36.2 54.2

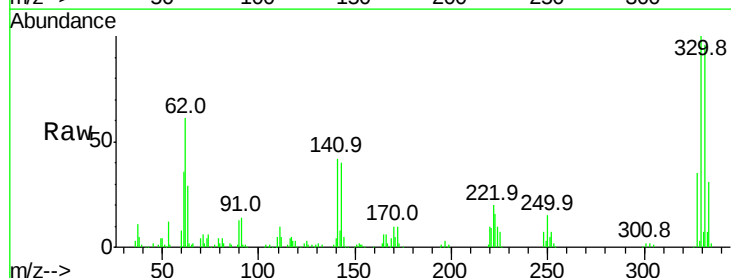


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

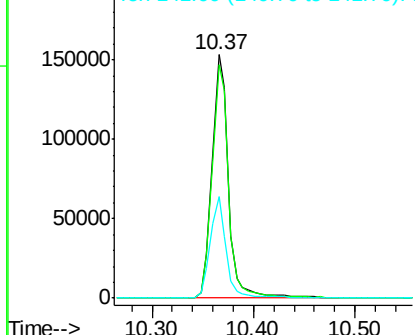
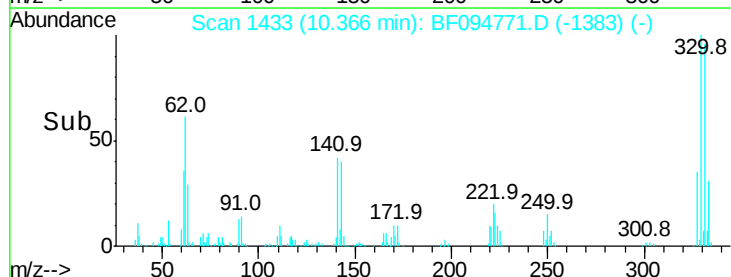


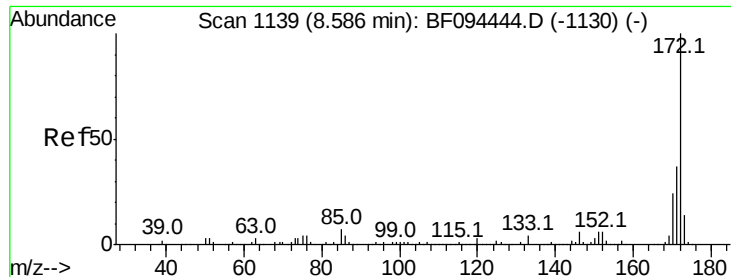
#41
 2,4,6-Tribromophenol
 Concen: 170.58 ng
 RT: 10.37 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF094771.D
 Acq: 2 May 2017 1:52

Tgt Ion:330 Resp: 173770
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.6 115.0
 141 40.3 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

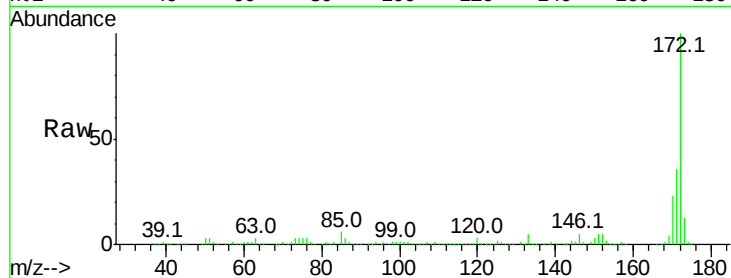




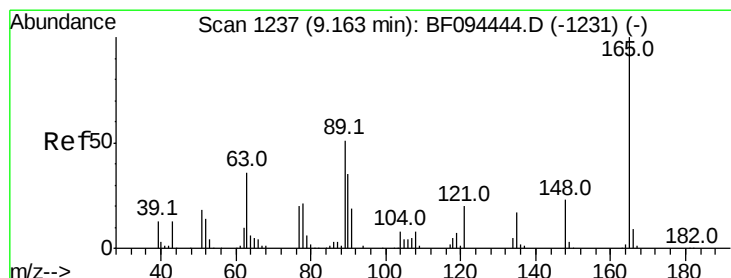
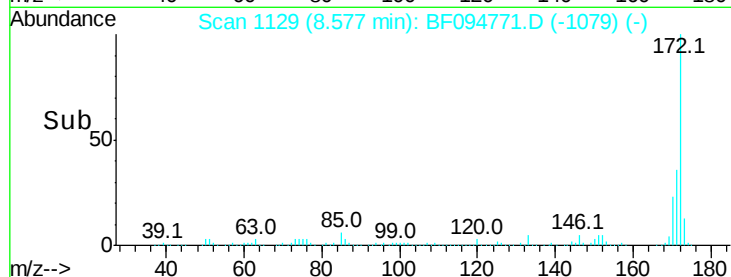
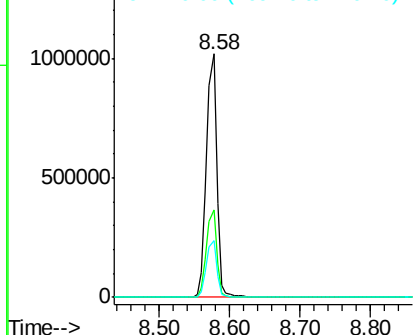
#44
 2-Fluorobiphenyl
 Concen: 119.25 ng
 RT: 8.58 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BF094771.D
 Acq: 2 May 2017 1:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1055543
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 23.3 19.8 29.8

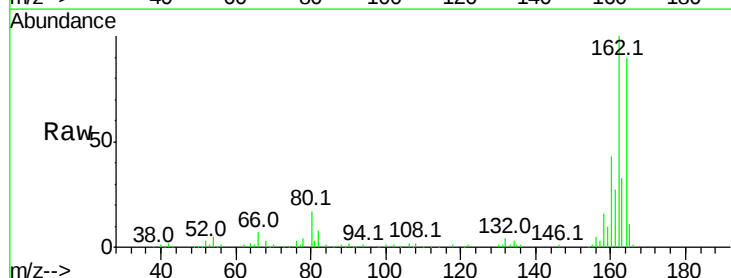


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

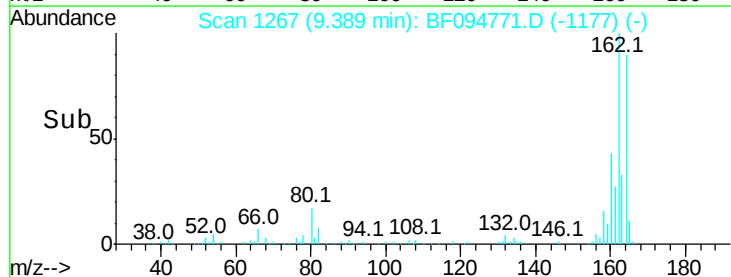
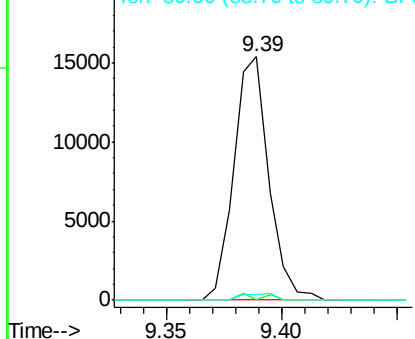


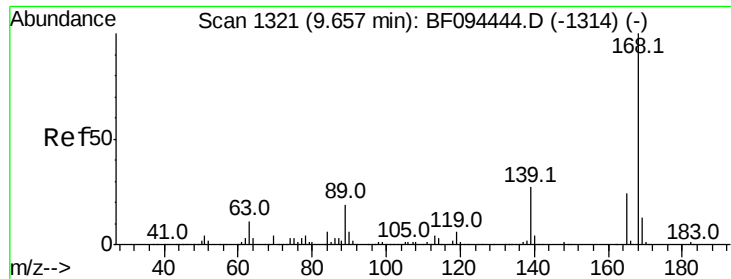
#50
 2,6-Dinitrotoluene
 Concen: 7.47 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. 0.23 min
 Lab File: BF094771.D
 Acq: 2 May 2017 1:52

Tgt Ion:165 Resp: 16279
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 2.2 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

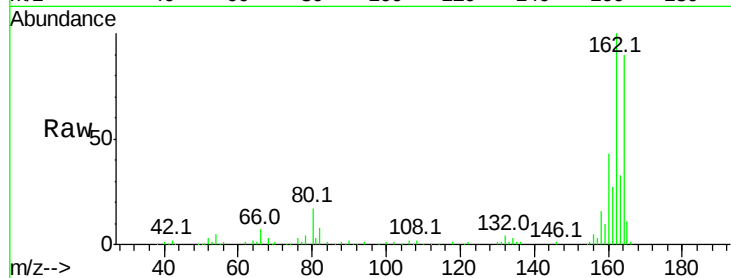




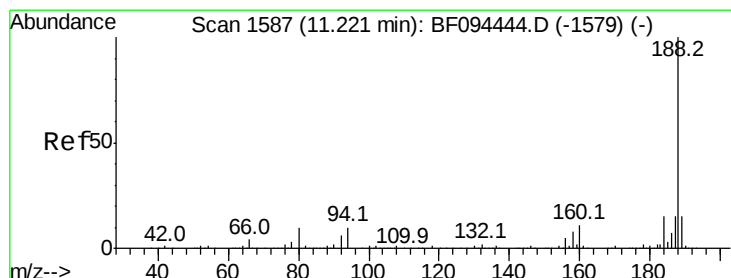
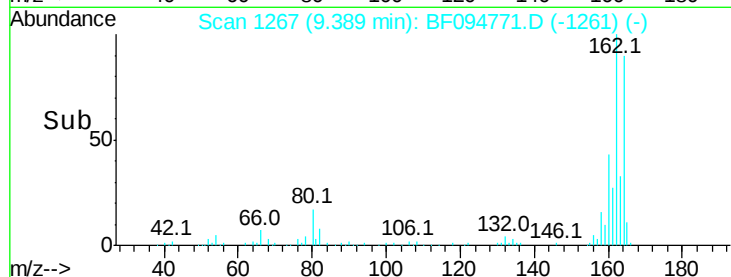
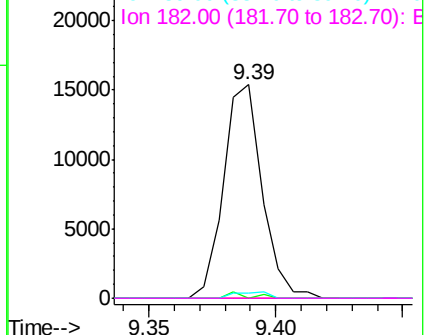
#56
 2,4-Dinitrotoluene
 Concen: 6.09 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.27 min
 Lab File: BF094771.D
 Acq: 2 May 2017 1:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 16279
 Ion Ratio Lower Upper
 165 100
 63 0.0 25.4 38.0#
 89 2.2 46.4 69.6#
 182 0.0 1.8 2.6#

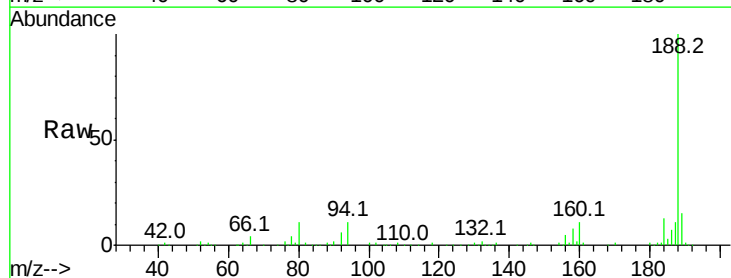


Abundance Ion 165.00 (164.70 to 165.70): E

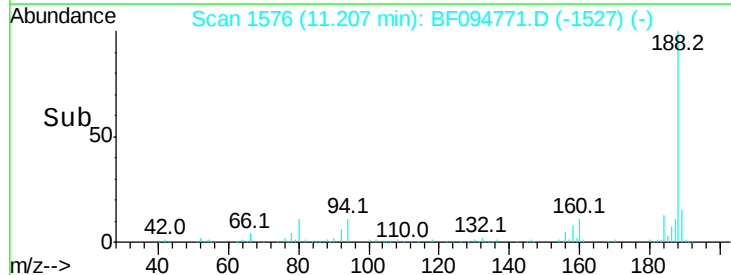
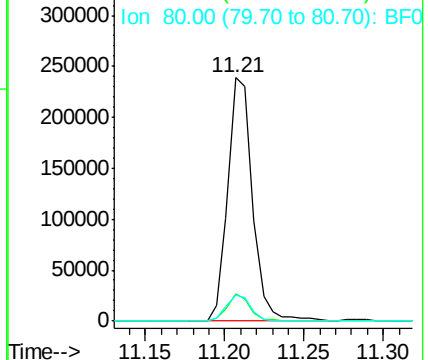


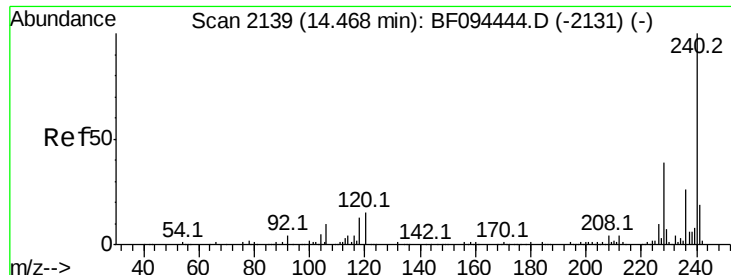
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF094771.D
 Acq: 2 May 2017 1:52

Tgt Ion:188 Resp: 259759
 Ion Ratio Lower Upper
 188 100
 94 11.4 9.4 14.2
 80 10.9 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.47 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BF094771.D

Acq: 2 May 2017 1:52

Instrument :

BNA_F

ClientSampleId :

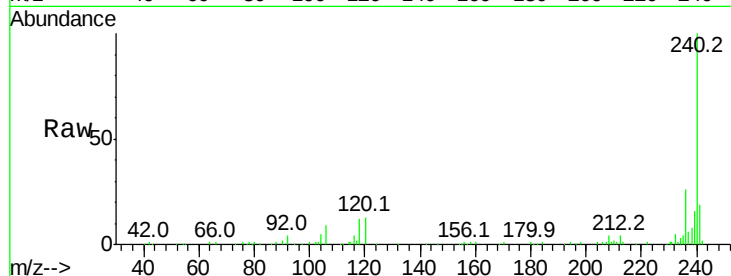
Tot Ion:240 Resp: 160833

Ion Ratio Lower Upper

240 100

120 12.9 5.8 8.8#

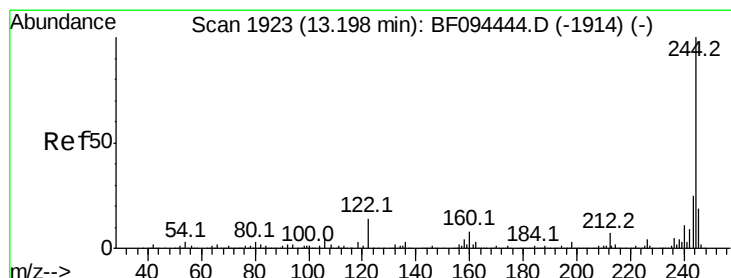
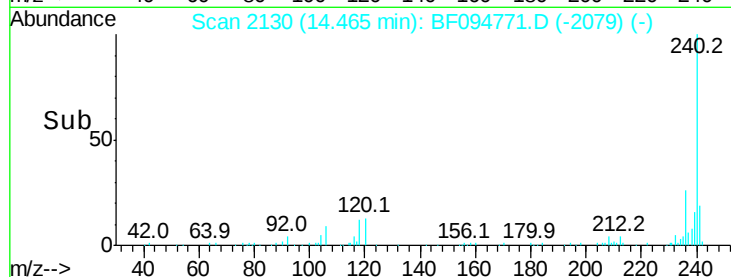
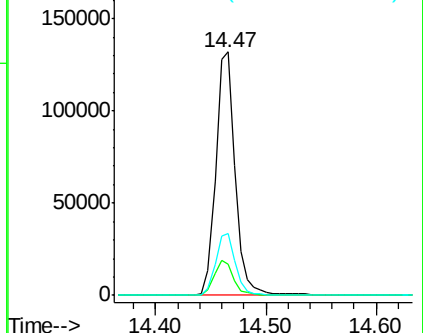
236 25.6 20.5 30.7



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: 127.75 ng

RT: 13.19 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BF094771.D

Acq: 2 May 2017 1:52

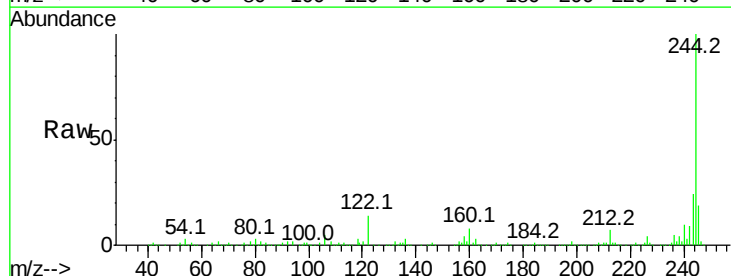
Tgt Ion:244 Resp: 768681

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

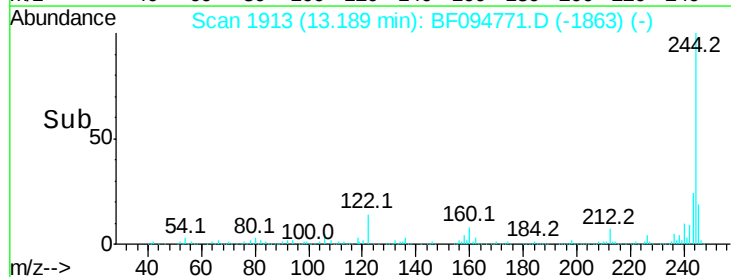
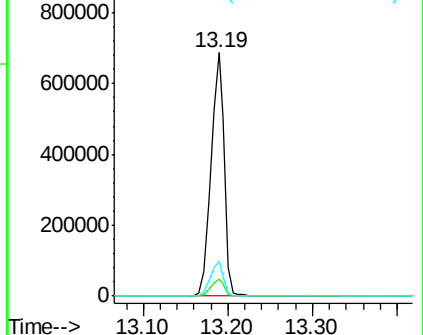
122 14.1 10.3 15.5

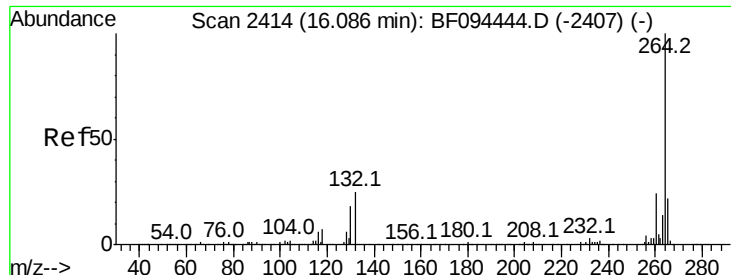


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

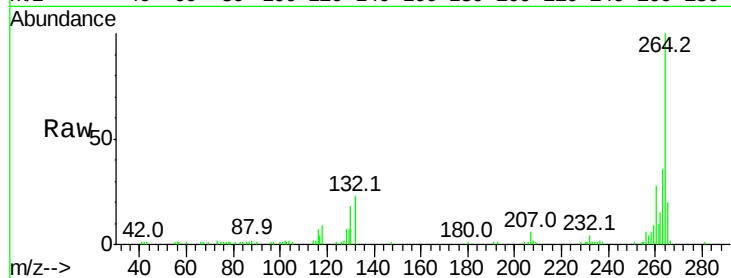




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 16.09 min Scan# 2407
 Delta R.T. 0.01 min
 Lab File: BF094771.D
 Acq: 2 May 2017 1:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 71460
 Ion Ratio Lower Upper
 264 100
 260 27.9 19.5 29.3
 265 20.0 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

