

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096267.D
 Acq On : 28 Jun 2017 23:27
 Operator : SJ/MA
 Sample : I3899-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 01:39:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

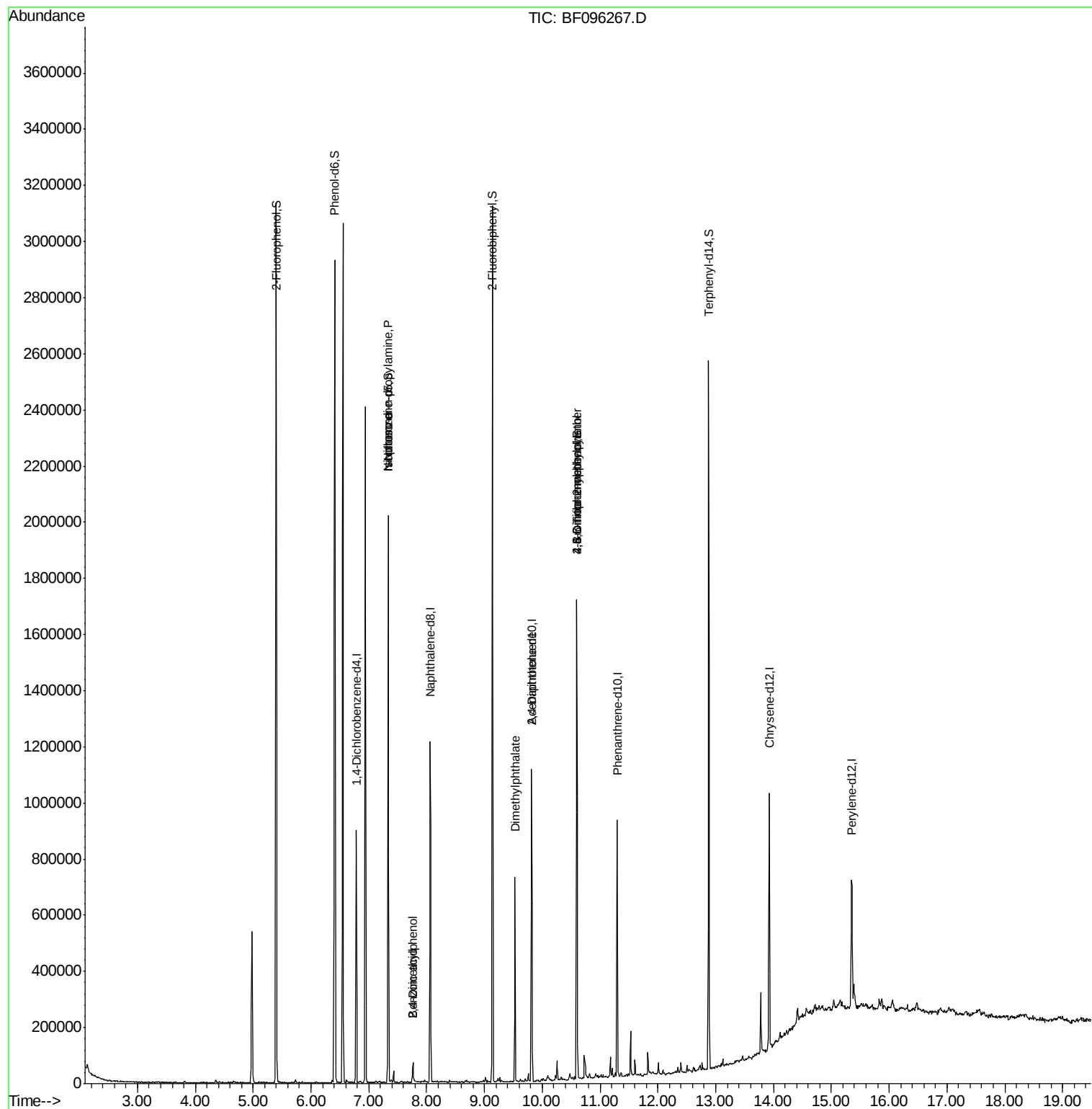
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	126444	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	498509	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	195270	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	318052	20.00	ng	0.01
75) Chrysene-d12	13.93	240	296373	20.00	ng	0.01
86) Perylene-d12	15.36	264	206897	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	817515	93.15	ng	0.02
7) Phenol-d6	6.41	99	993195	93.46	ng	0.02
23) Nitrobenzene-d5	7.34	82	539016	74.85	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	181689	118.23	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	892777	83.73	ng	-0.01
78) Terphenyl-d14	12.88	244	727108	61.22	ng	0.01
Target Compounds						
9) Benzaldehyde	6.41	77	1441	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.34	70	71482	11.23	ng	# 88
25) Isophorone	7.34	82	539011	32.96	ng	# 67
27) 2,4-Dimethylphenol	7.77	122	18496	2.50	ng	# 5
32) Benzoic acid	7.77	122	18496	11.68	ng	94
49) Dimethylphthalate	9.53	163	271032	19.39	ng	100
56) 2,4-Dinitrotoluene	9.82	165	24374	6.65	ng	# 33
57) Fluorene	10.60	166	8969	Below Cal	#	87
64) 4,6-Dinitro-2-methylphenol	10.60	198	163	8.83	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	9966	3.05	ng	# 1
70) Phenanthrene	11.32	178	4209	Below Cal		97

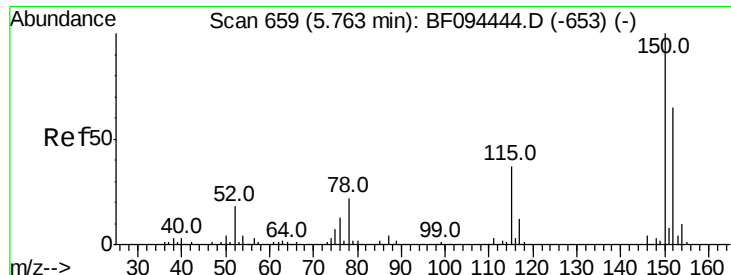
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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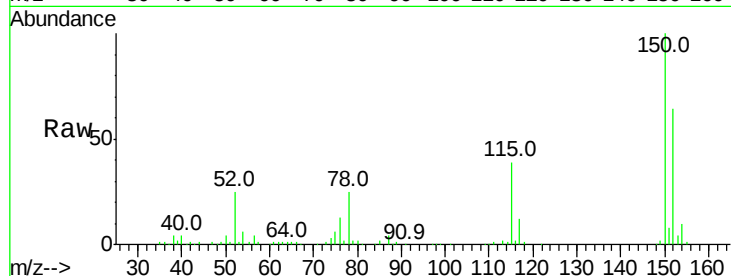


#1

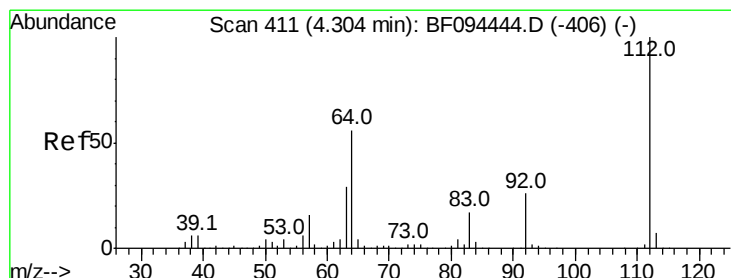
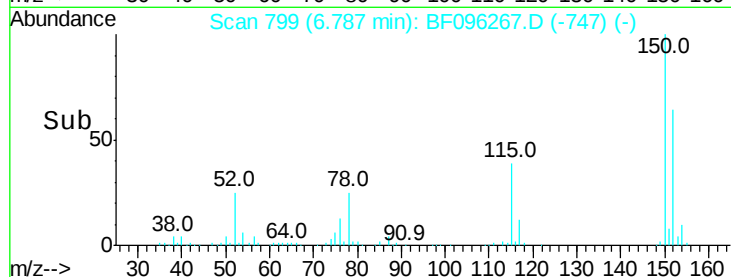
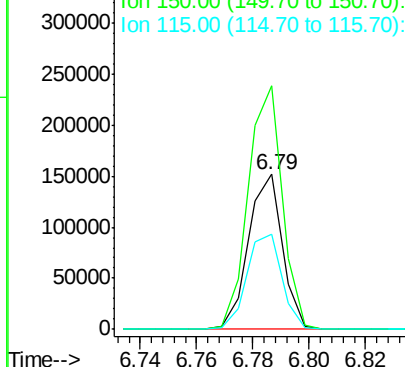
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.01 min
Lab File: BF096267.D
Acq: 28 Jun 2017 23:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 126444
Ion Ratio Lower Upper
152 100
150 157.3 126.2 189.2
115 61.7 52.2 78.2



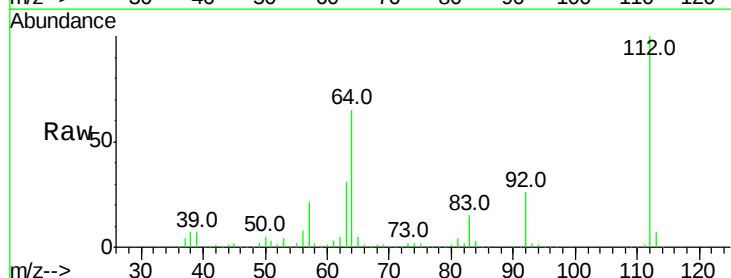
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



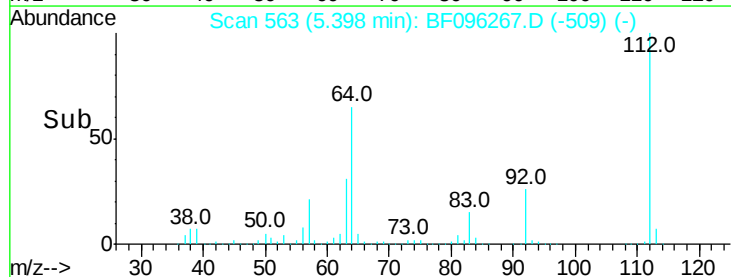
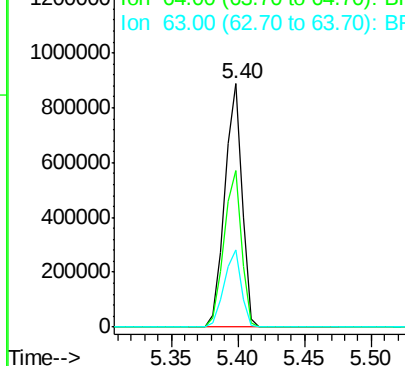
#5

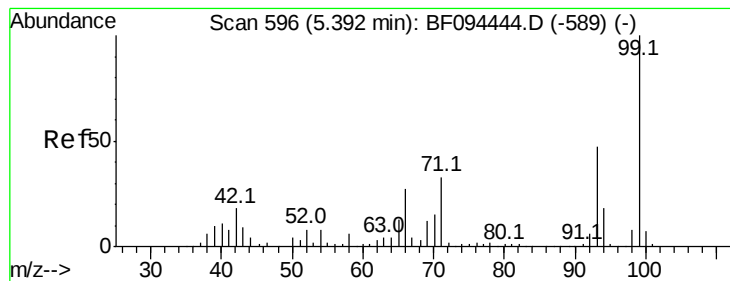
2-Fluorophenol
Concen: 93.15 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF096267.D
Acq: 28 Jun 2017 23:27

Tgt Ion:112 Resp: 817515
Ion Ratio Lower Upper
112 100
64 64.5 46.0 69.0
63 31.5 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: 93.46 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.02 min

Lab File: BF096267.D

Acq: 28 Jun 2017 23:27

Instrument :

BNA_F

ClientSampled :

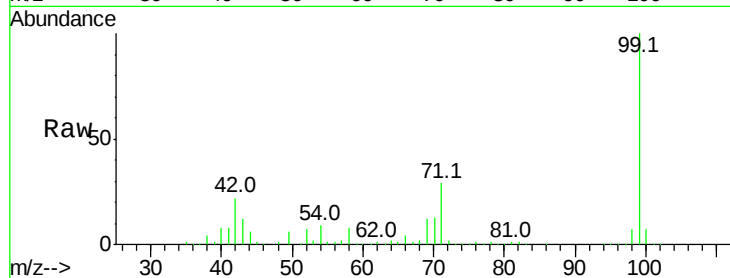
Tot Ion: 99 Resp: 993195

Ion Ratio Lower Upper

99 100

42 22.0 13.5 20.3#

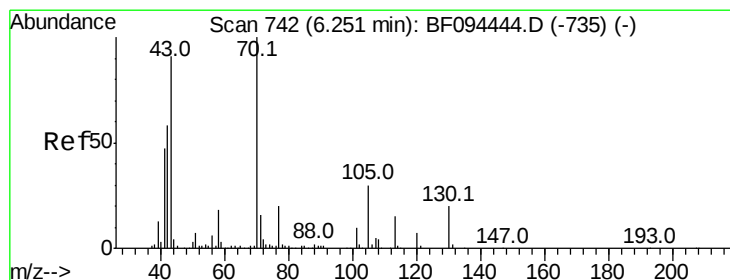
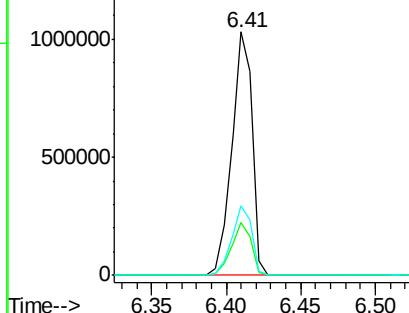
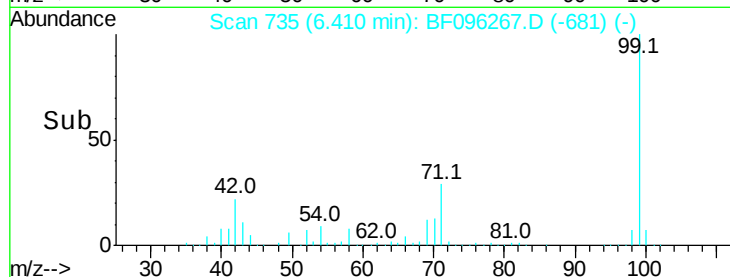
71 28.8 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.23 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.16 min

Lab File: BF096267.D

Acq: 28 Jun 2017 23:27

Tgt Ion: 70 Resp: 71482

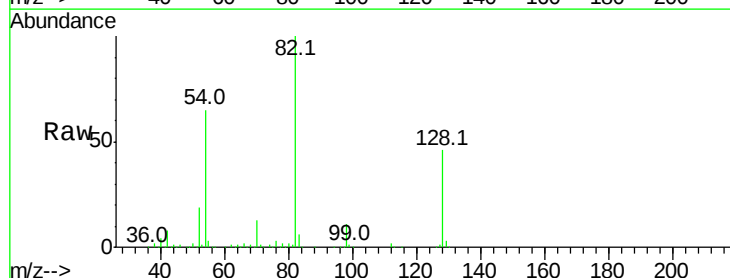
Ion Ratio Lower Upper

70 100

42 59.8 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

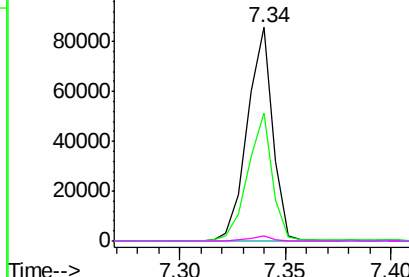
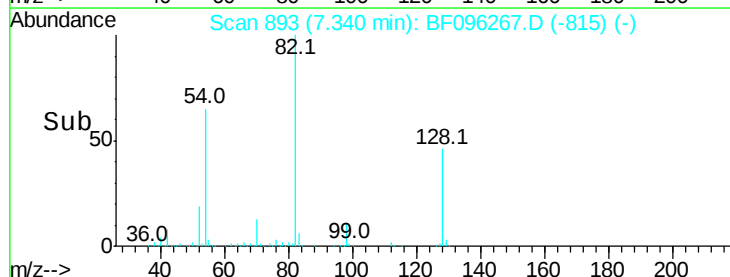


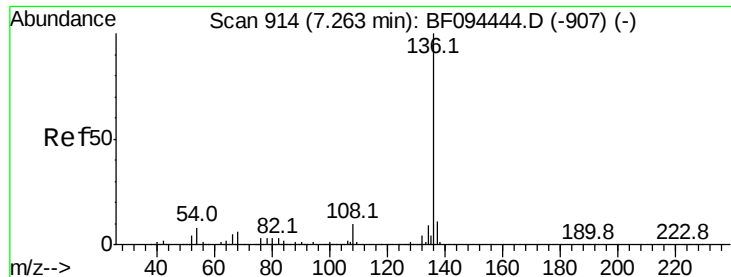
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.06 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BF096267.D

Acq: 28 Jun 2017 23:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 498509

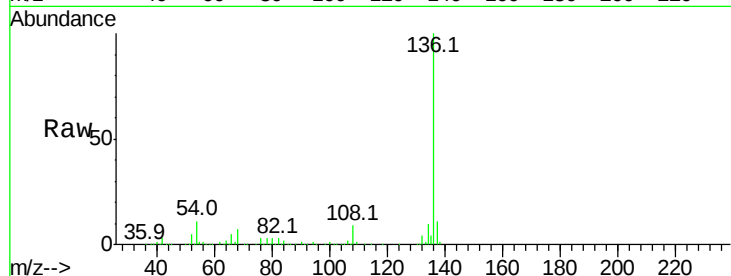
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 11.1 4.9 7.3#

68 7.1 4.1 6.1#

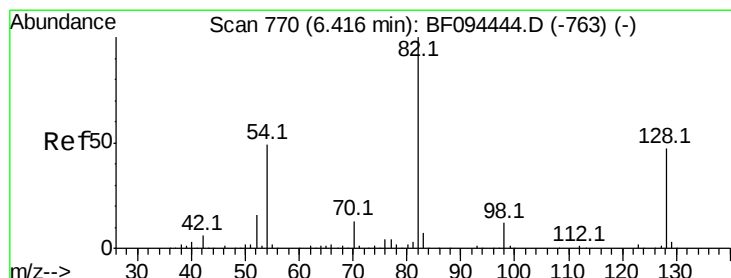
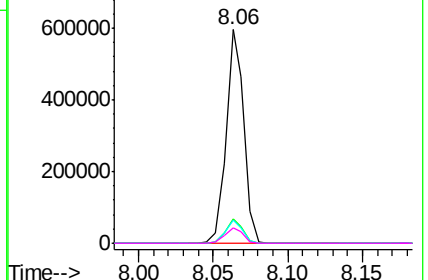
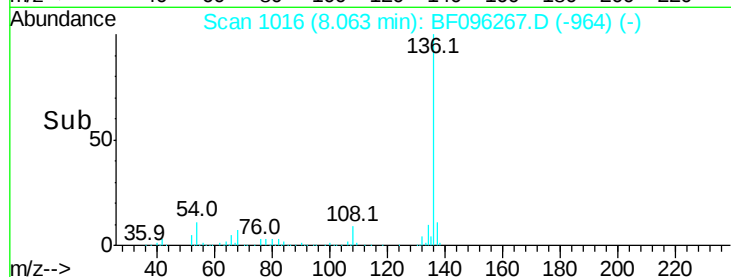


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.85 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.02 min

Lab File: BF096267.D

Acq: 28 Jun 2017 23:27

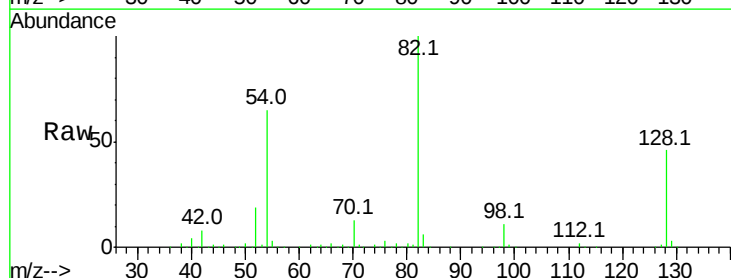
Tgt Ion: 82 Resp: 539016

Ion Ratio Lower Upper

82 100

128 46.1 34.0 51.0

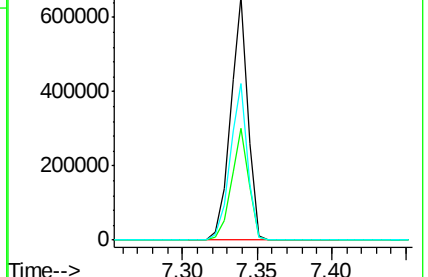
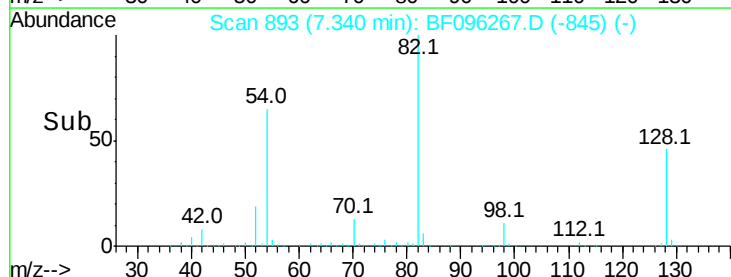
54 64.5 42.2 63.2#

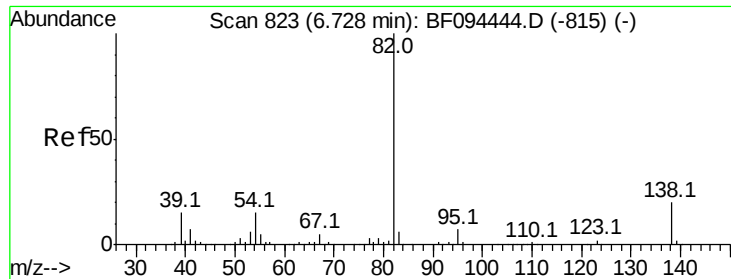


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 32.96 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.25 min

Lab File: BF096267.D

Acq: 28 Jun 2017 23:27

Instrument :

BNA_F

ClientSampleId :

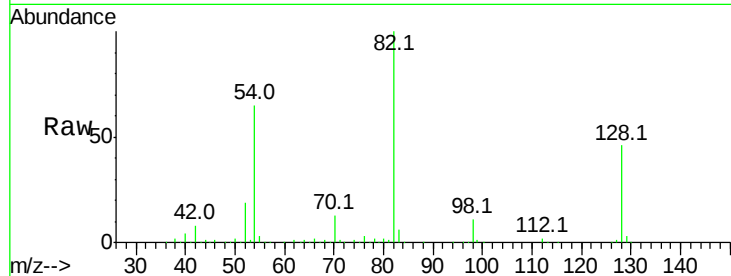
Tot Ion: 82 Resp: 539011

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

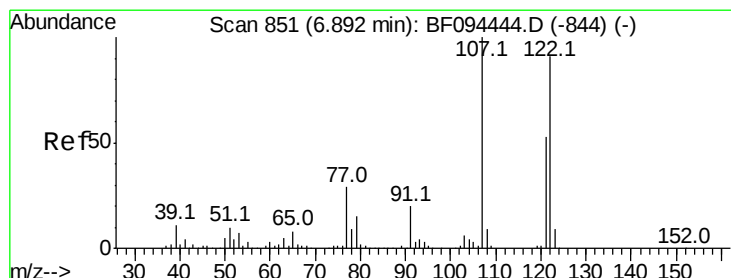
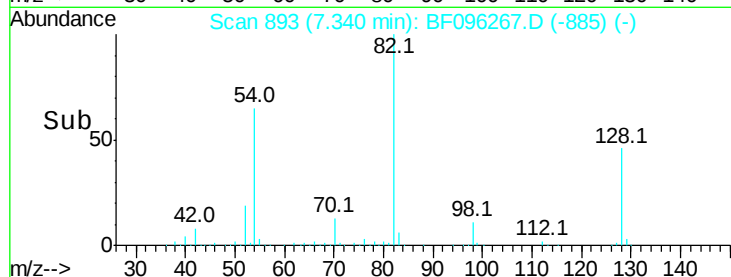
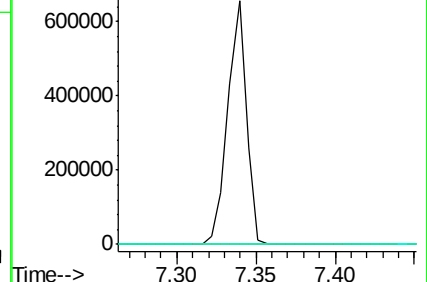
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#27

2,4-Dimethylphenol

Concen: 2.50 ng

RT: 7.77 min Scan# 966

Delta R.T. 0.06 min

Lab File: BF096267.D

Acq: 28 Jun 2017 23:27

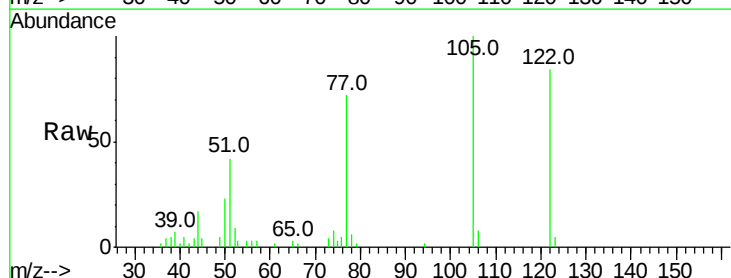
Tgt Ion:122 Resp: 18496

Ion Ratio Lower Upper

122 100

107 0.0 89.2 133.8#

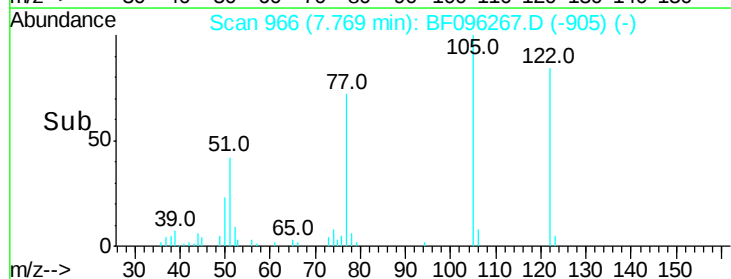
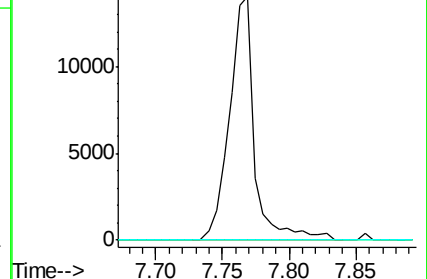
121 0.0 45.2 67.8#

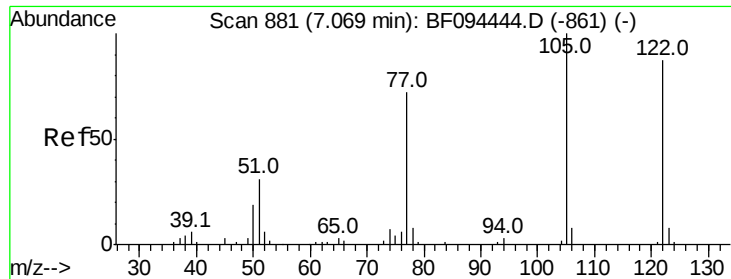


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

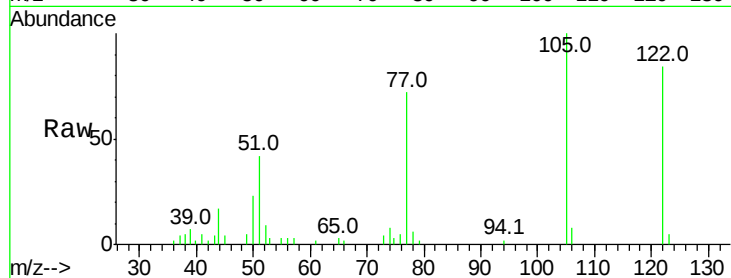




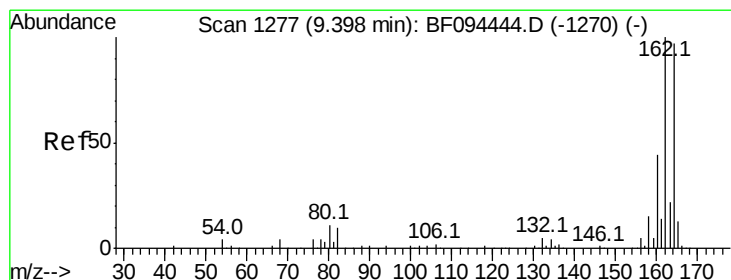
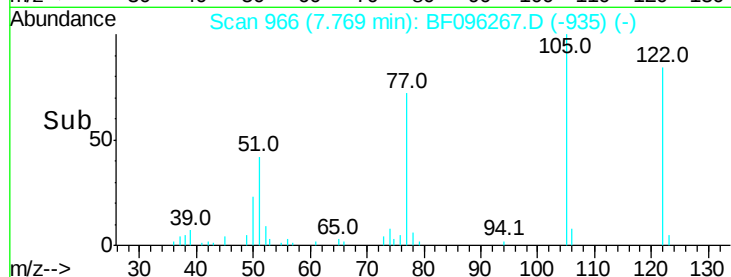
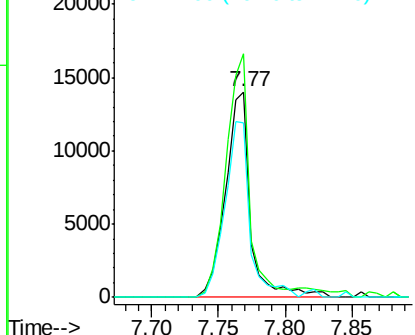
#32
Benzoic acid
Concen: 11.68 ng
RT: 7.77 min Scan# 966
Delta R.T. -0.12 min
Lab File: BF096267.D
Acq: 28 Jun 2017 23:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:122 Resp: 18496
Ion Ratio Lower Upper
122 100
105 118.5 103.3 143.3
77 85.1 73.7 113.7

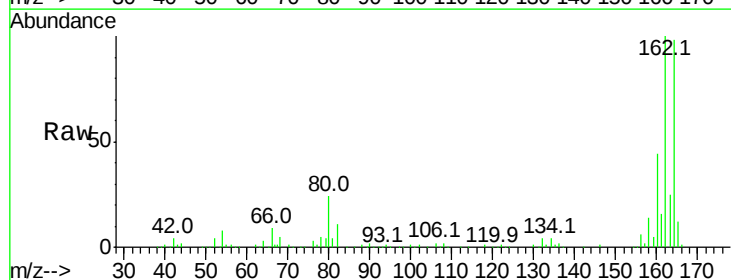


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BFO

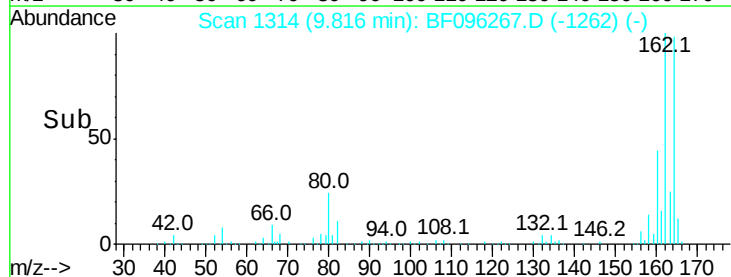
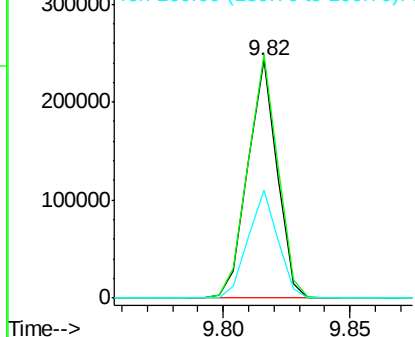


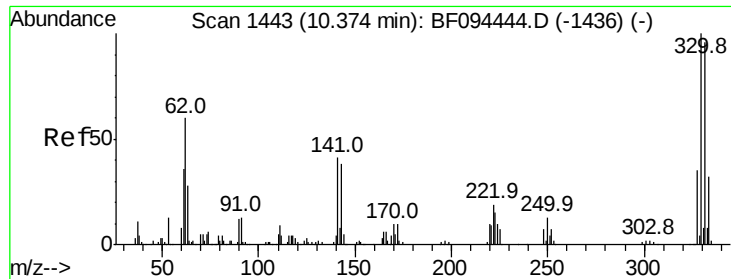
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF096267.D
Acq: 28 Jun 2017 23:27

Tgt Ion:164 Resp: 195270
Ion Ratio Lower Upper
164 100
162 102.1 82.6 123.8
160 45.4 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

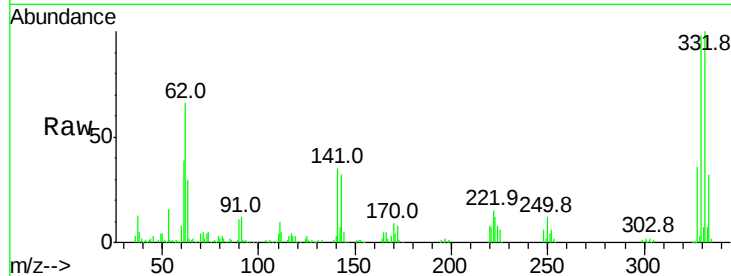




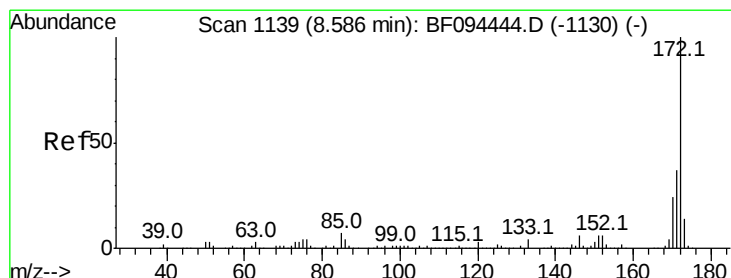
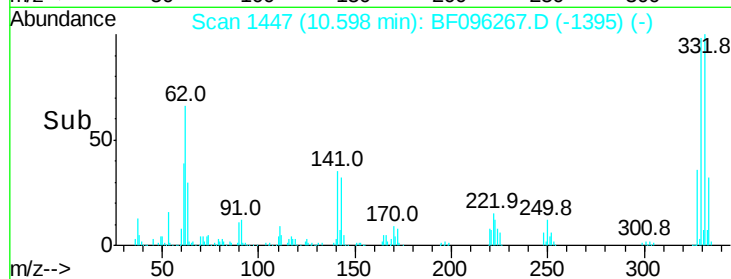
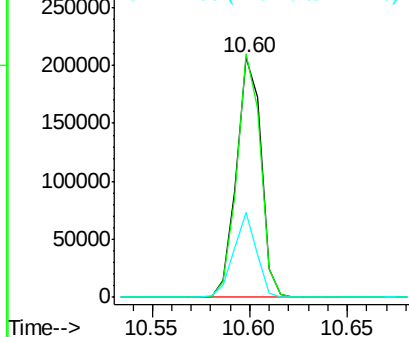
#41
 2,4,6-Tribromophenol
 Concen: 118.23 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. 0.01 min
 Lab File: BF096267.D
 Acq: 28 Jun 2017 23:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.6	115.0
141	32.8	31.4	47.2

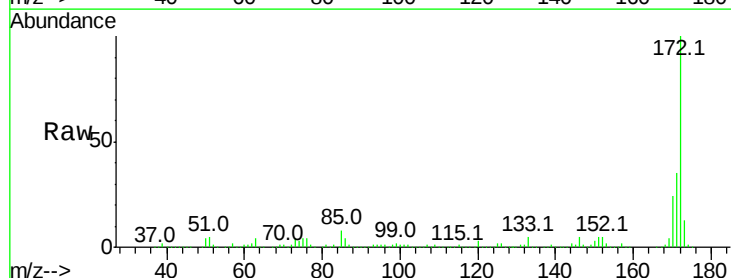


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

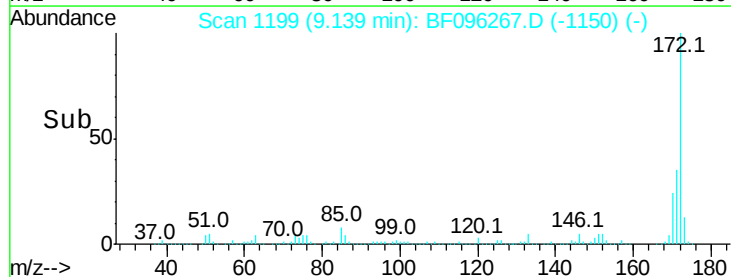
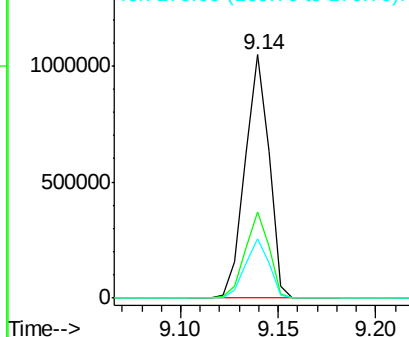


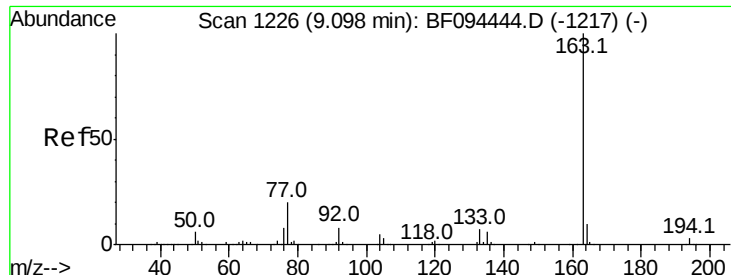
#44
 2-Fluorobiphenyl
 Concen: 83.73 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF096267.D
 Acq: 28 Jun 2017 23:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	24.2	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





#49

Dimethylphthalate

Concen: 19.39 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BF096267.D

Acq: 28 Jun 2017 23:27

Instrument :

BNA_F

ClientSampleId :

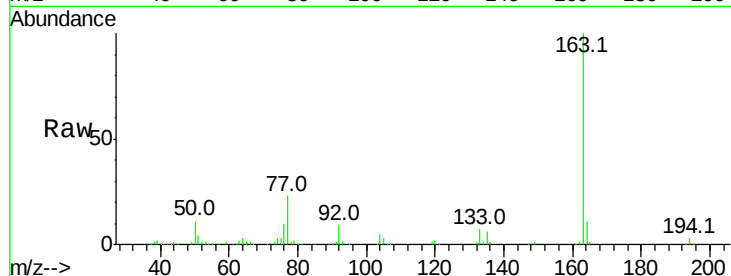
Tot Ion:163 Resp: 271032

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

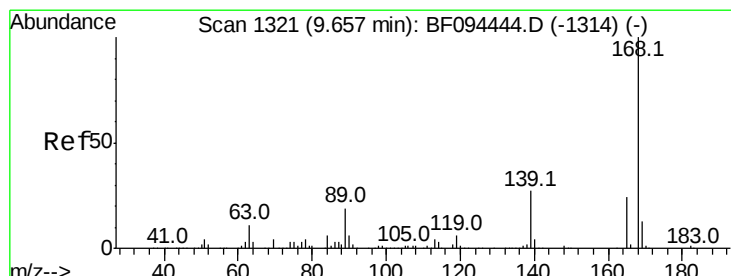
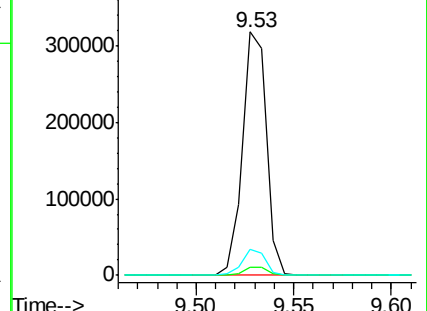
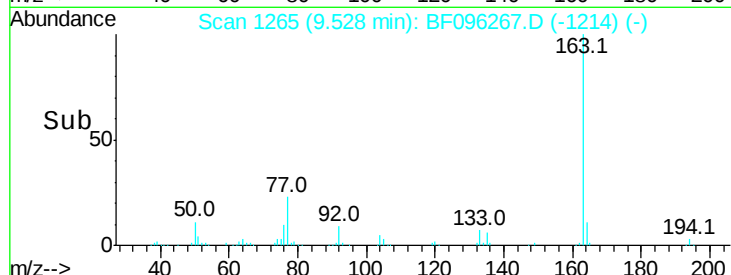
164 10.7 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.65 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.19 min

Lab File: BF096267.D

Acq: 28 Jun 2017 23:27

Tgt Ion:165 Resp: 24374

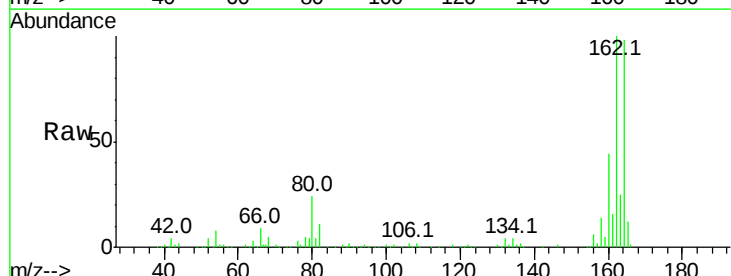
Ion Ratio Lower Upper

165 100

63 1.4 25.4 38.0#

89 1.4 46.4 69.6#

182 0.0 1.8 2.6#

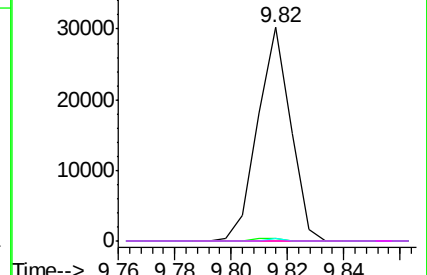
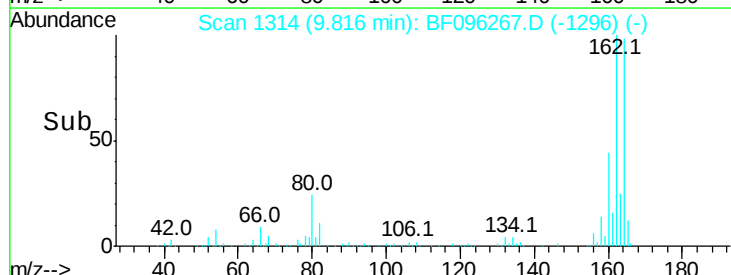


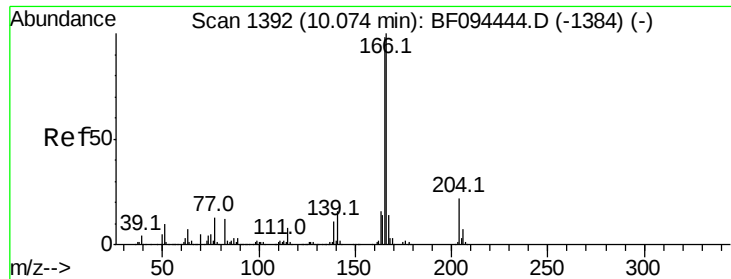
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: Below Cal

RT: 10.60 min Scan# 1447

Delta R.T. 0.23 min

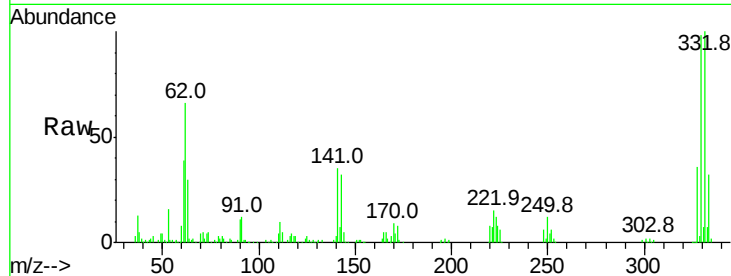
Lab File: BF096267.D

Acq: 28 Jun 2017 23:27

Instrument :

BNA_F

ClientSampleId :



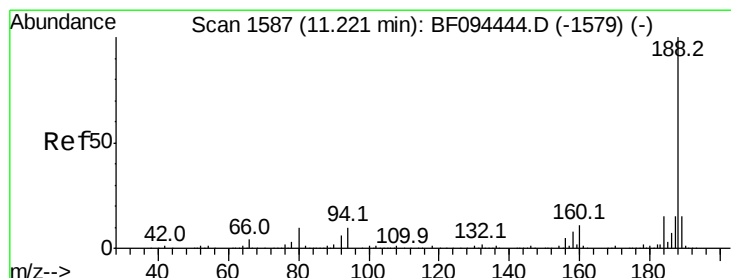
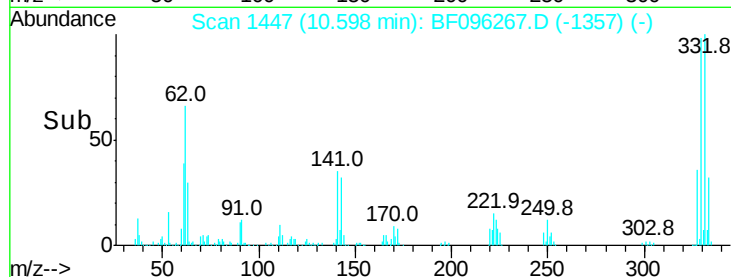
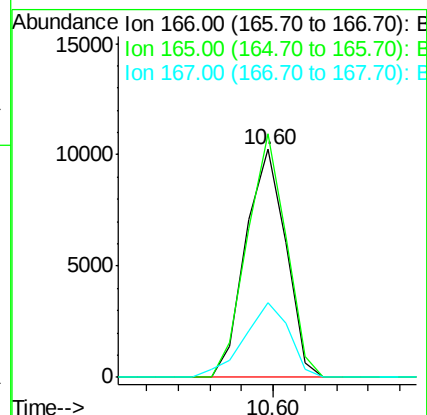
Tot Ion:166 Resp: 8969

Ion Ratio Lower Upper

166 100

165 106.9 78.8 118.2

167 32.6 10.6 16.0#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BF096267.D

Acq: 28 Jun 2017 23:27

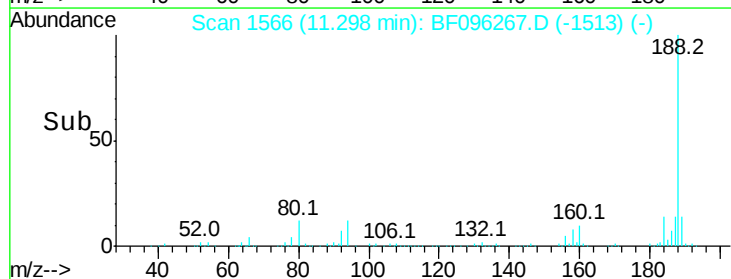
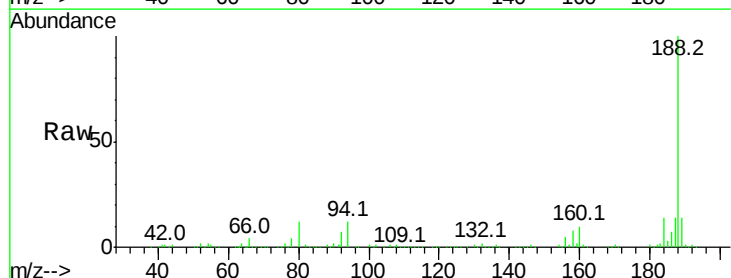
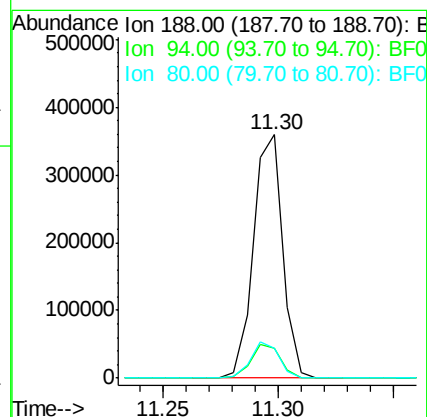
Tgt Ion:188 Resp: 318052

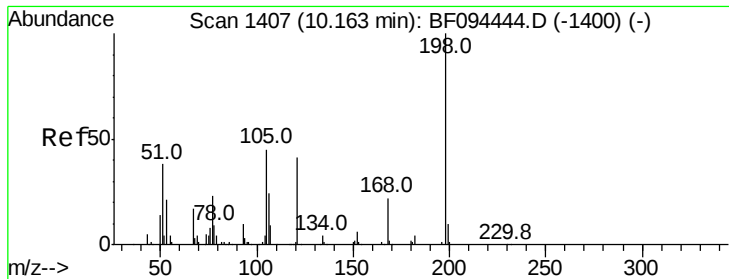
Ion Ratio Lower Upper

188 100

94 12.2 9.4 14.2

80 12.2 10.2 15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 8.83 ng

RT: 10.60 min Scan# 1447

Delta R.T. 0.18 min

Lab File: BF096267.D

Acq: 28 Jun 2017 23:27

Instrument :

BNA_F

ClientSampleId :

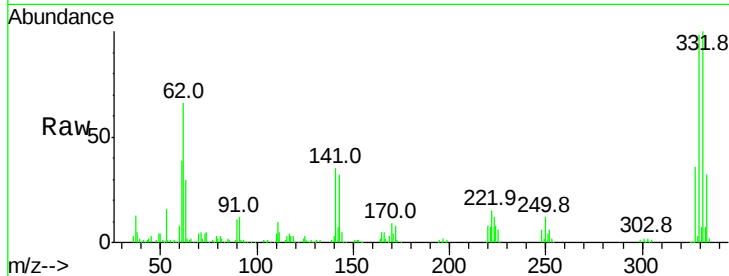
Tot Ion:198 Resp: 163

Ion Ratio Lower Upper

198 100

51 310.8 53.2 93.2#

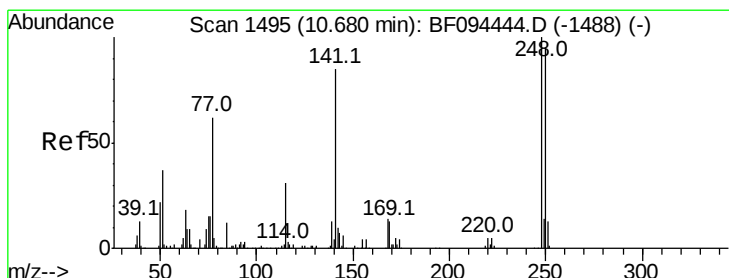
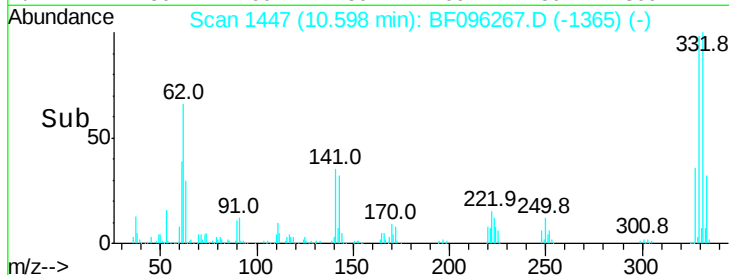
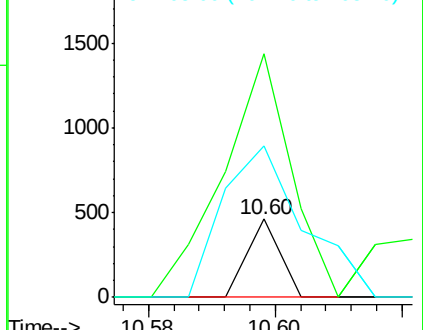
105 193.5 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.05 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.24 min

Lab File: BF096267.D

Acq: 28 Jun 2017 23:27

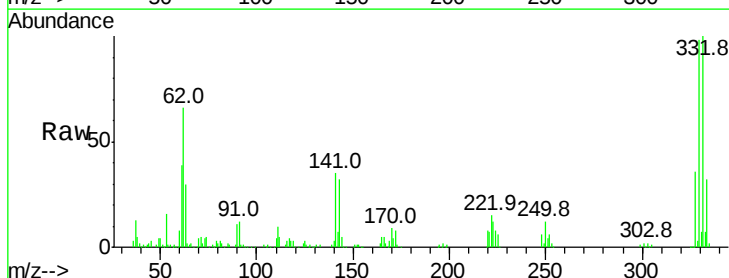
Tgt Ion:248 Resp: 9966

Ion Ratio Lower Upper

248 100

250 209.5 76.8 115.2#

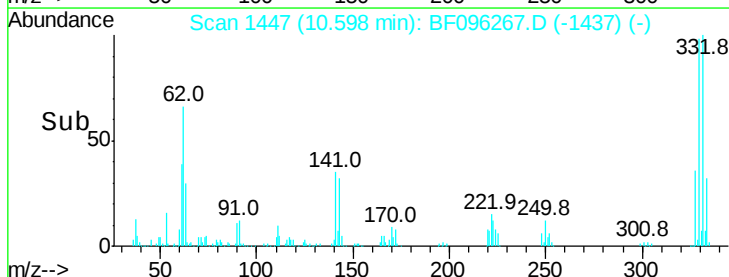
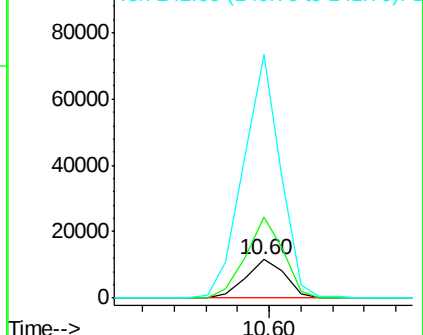
141 633.0 68.6 103.0#

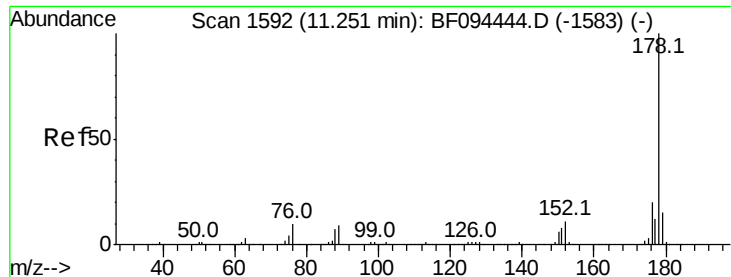


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

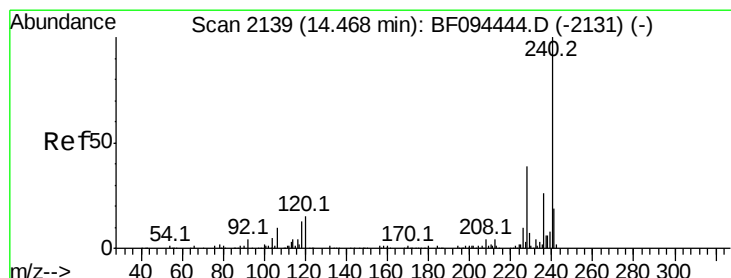
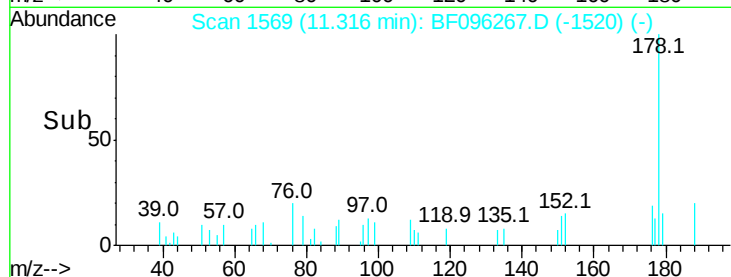
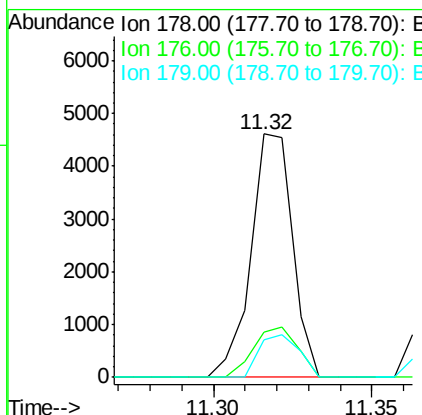
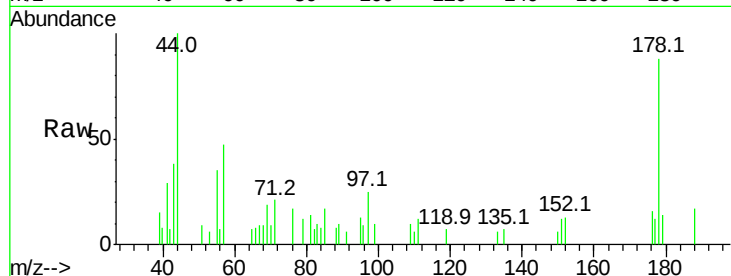




#70
Phenanthrene
Concen: Below Cal
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF096267.D
Acq: 28 Jun 2017 23:27

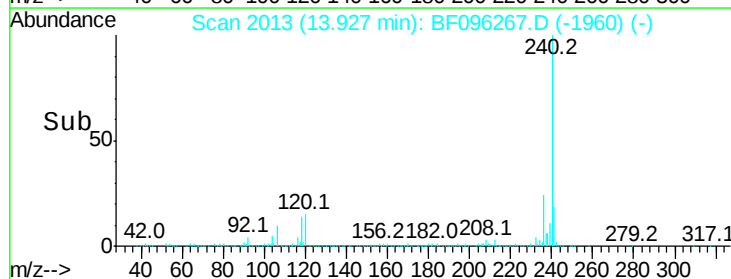
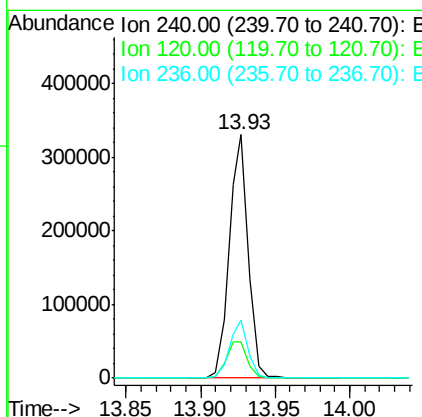
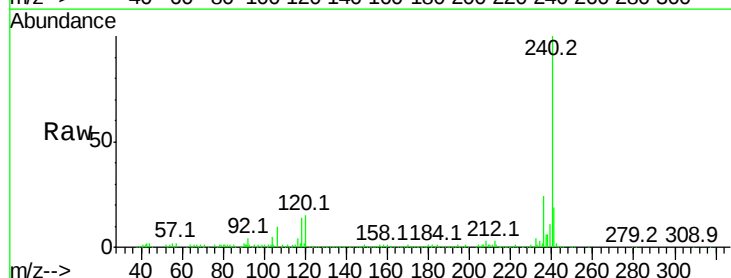
Instrument :
BNA_F
ClientSampleId :

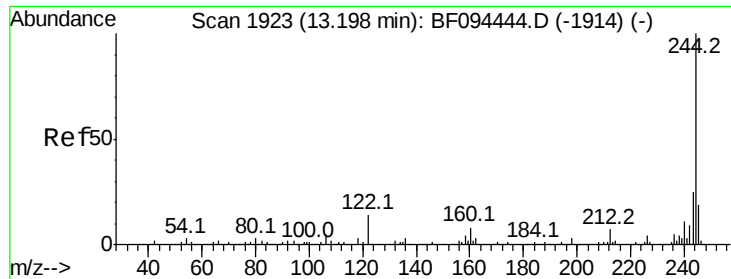
Tot Ion:178 Resp: 4209
Ion Ratio Lower Upper
178 100
176 18.5 16.2 24.4
179 15.4 12.6 19.0



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF096267.D
Acq: 28 Jun 2017 23:27

Tgt Ion:240 Resp: 296373
Ion Ratio Lower Upper
240 100
120 15.1 5.8 8.8#
236 23.7 20.5 30.7





#78

Terphenyl-d14

Concen: 61.22 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.01 min

Lab File: BF096267.D

Acq: 28 Jun 2017 23:27

Instrument :

BNA_F

ClientSampled :

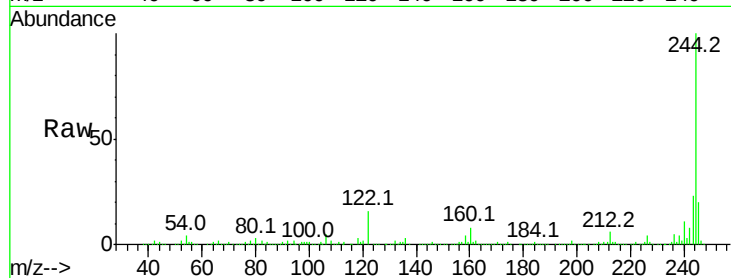
Tot Ion:244 Resp: 727108

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

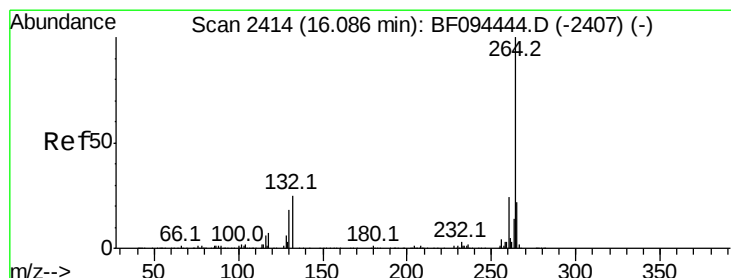
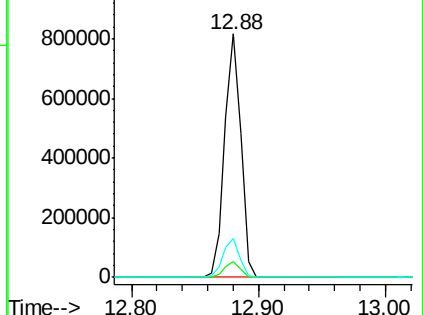
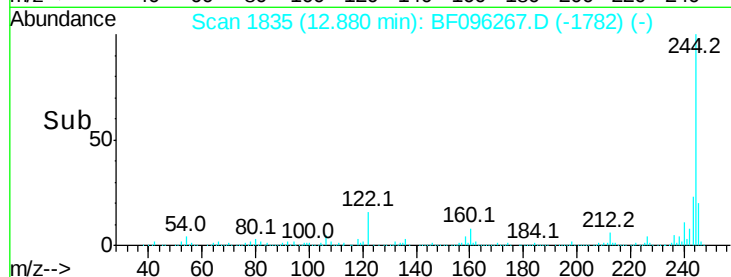
122 15.8 10.3 15.5#



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

Perylene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 2256

Delta R.T. 0.02 min

Lab File: BF096267.D

Acq: 28 Jun 2017 23:27

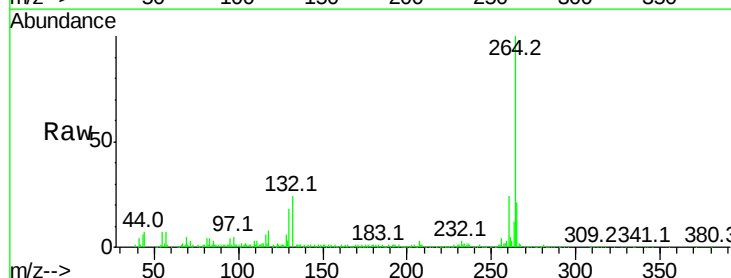
Tgt Ion:264 Resp: 206897

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 21.3 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

