

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
 Data File : BF096068.D
 Acq On : 21 Jun 2017 5:40
 Operator : SJ/MA
 Sample : I3722-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 21 07:00:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	64013	20.00	ng	0.00
21) Naphthalene-d8	9.33	136	272351	20.00	ng	0.00
38) Acenaphthene-d10	12.19	164	64910	20.00	ng	0.04
63) Phenanthrene-d10	14.60	188	5699	20.00	ng	0.06
75) Chrysene-d12	18.38	240	59700	20.00	ng	0.11
86) Perylene-d12	19.98	264	81861	20.00	ng	0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	555882	138.37	ng	0.00
7) Phenol-d6	6.88	99	707913	147.20	ng	0.00
23) Nitrobenzene-d5	8.22	82	382660	87.26	ng	0.00
41) 2,4,6-Tribromophenol	13.48	330	12111	21.09	ng	0.03
44) 2-Fluorobiphenyl	11.14	172	793026	170.01	ng	0.04
78) Terphenyl-d14	17.09	244	138578	57.61	ng	0.16

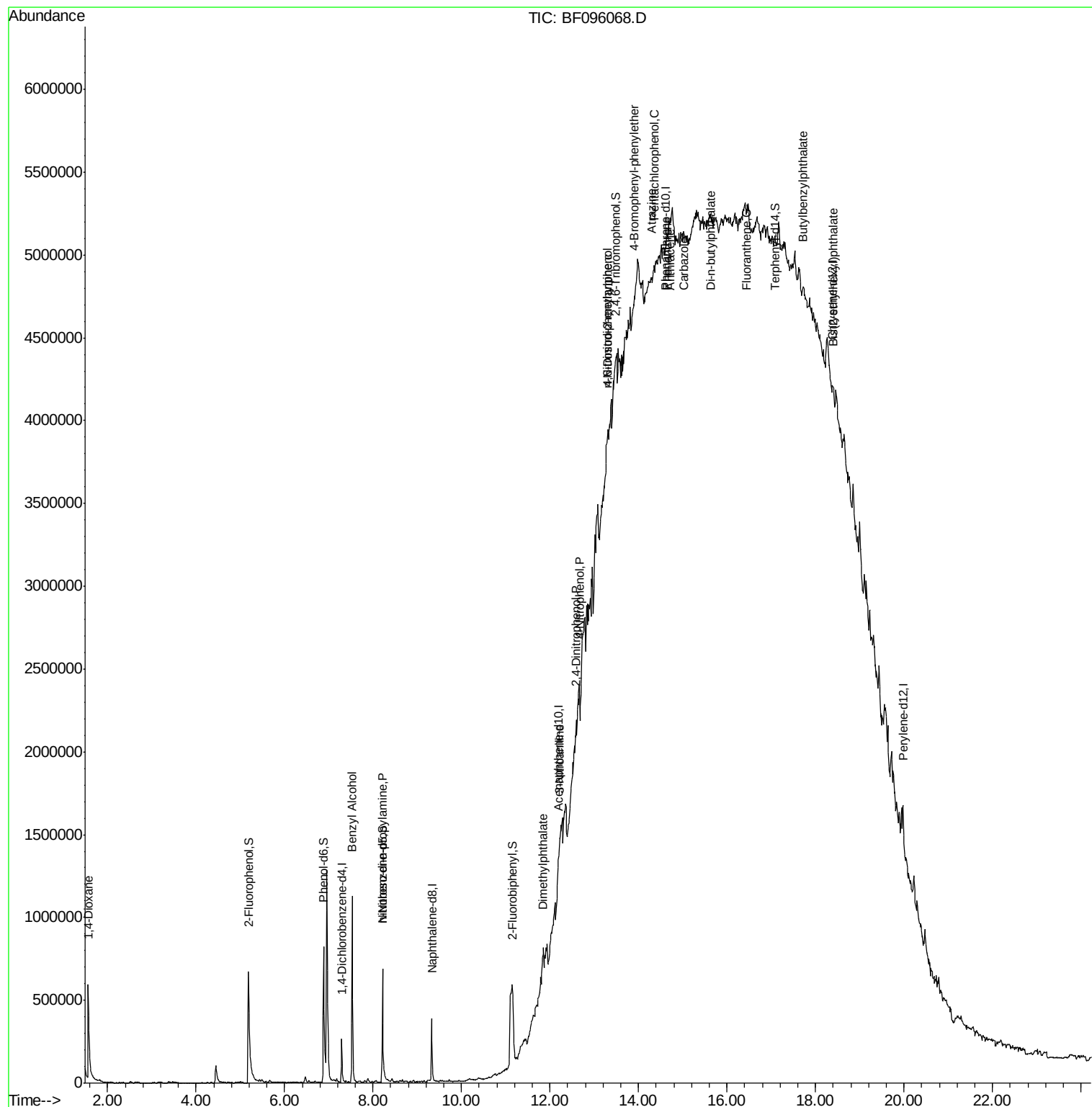
Target Compounds						Qvalue	
2) 1,4-Dioxane	1.56	88	32735	17.13	ng	#	21
15) Benzyl Alcohol	7.53	79	7354	2.23	ng	#	50
19) n-Nitroso-di-n-propylamine	8.22	70	49426	16.22	ng	#	74
49) Dimethylphthalate	11.83	163	122319	24.82	ng	#	88
52) 3-Nitroaniline	12.22	138	2966	2.37	ng	#	33
53) 2,4-Dinitrophenol	12.58	184	257	6.86	ng	#	1
55) 4-Nitrophenol	12.67	139	1381	6.41	ng	#	1
64) 4,6-Dinitro-2-methylphenol	13.30	198	540	14.42	ng	#	1
65) n-Nitrosodiphenylamine	13.29	169	450	2.20	ng	#	1
66) 4-Bromophenyl-phenylether	13.90	248	476	8.04	ng	#	1
68) Atrazine	14.30	200	2247	39.43	ng	#	1
69) Pentachlorophenol	14.36	266	273	17.92	ng	#	1
70) Phenanthrene	14.65	178	1506	4.58	ng	#	1
71) Anthracene	14.73	178	876	2.55	ng	#	1
72) Carbazole	15.02	167	1156	3.46	ng	#	1
73) Di-n-butylphthalate	15.64	149	2961	8.32	ng	#	12
74) Fluoranthene	16.43	202	1359	4.18	ng	#	1
79) Butylbenzylphthalate	17.71	149	5654	2.91	ng	#	12
83) Bis(2-ethylhexyl)phthalate	18.42	149	61187	22.30	ng	#	88

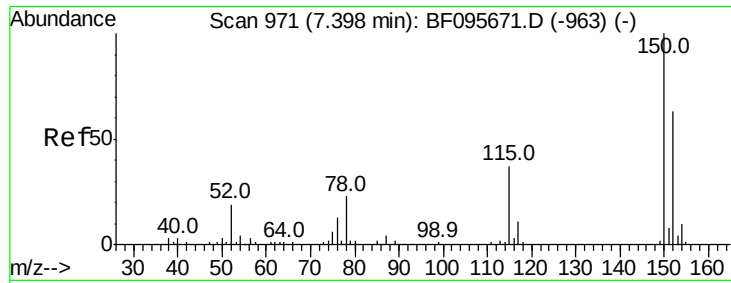
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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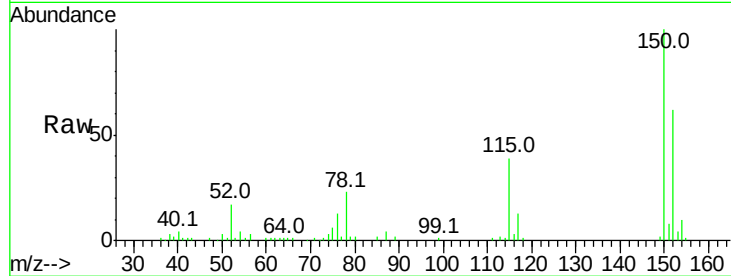


#1

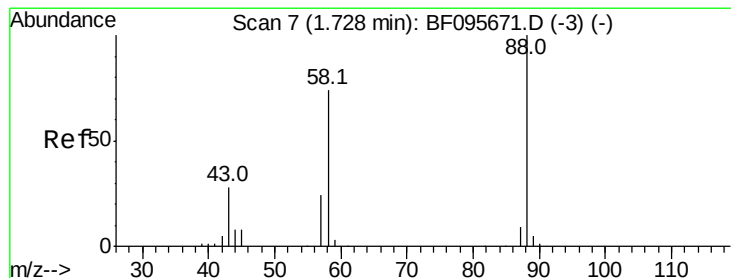
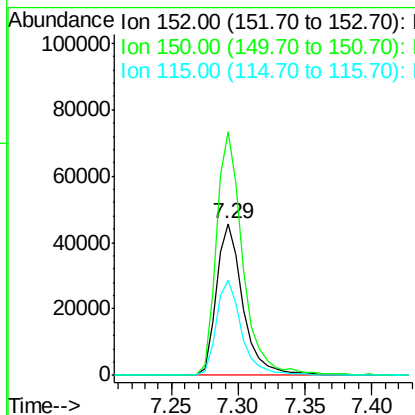
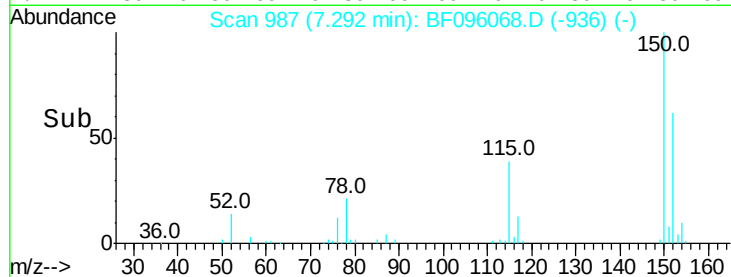
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF096068.D
Acq: 21 Jun 2017 5:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 64013
Ion Ratio Lower Upper
152 100
150 160.3 126.2 189.2
115 62.6 52.2 78.2



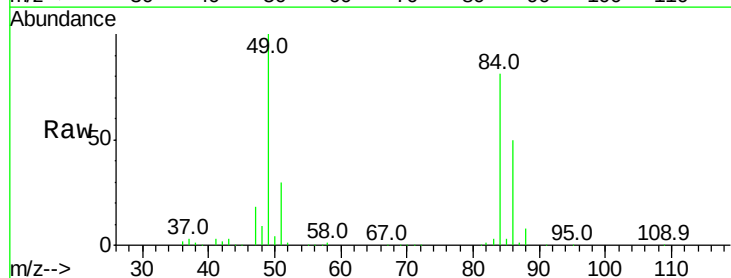
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



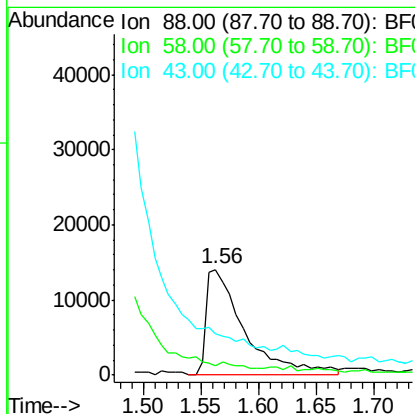
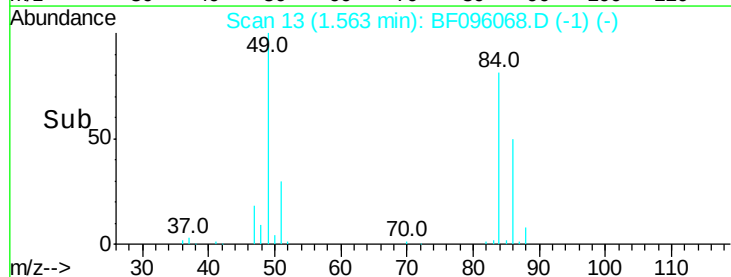
#2

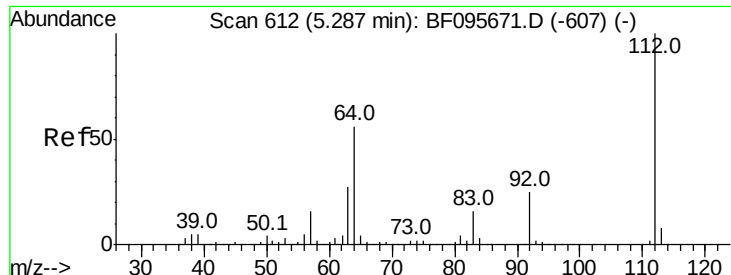
1,4-Dioxane
Concen: 17.13 ng
RT: 1.56 min Scan# 13
Delta R.T. -0.05 min
Lab File: BF096068.D
Acq: 21 Jun 2017 5:40

Tgt Ion: 88 Resp: 32735
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 0.0 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 138.37 ng

RT: 5.19 min Scan# 629

Delta R.T. 0.01 min

Lab File: BF096068.D

Acq: 21 Jun 2017 5:40

Instrument :

BNA_F

ClientSampled :

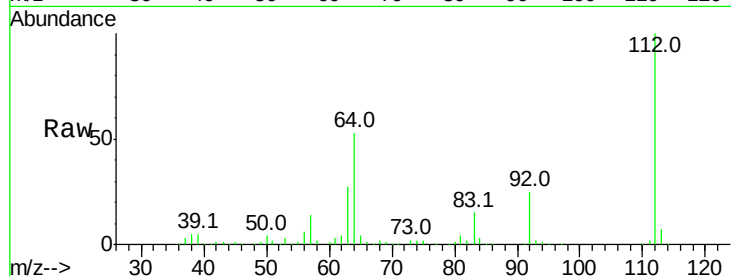
Tot Ion:112 Resp: 555882

Ion Ratio Lower Upper

112 100

64 53.0 46.0 69.0

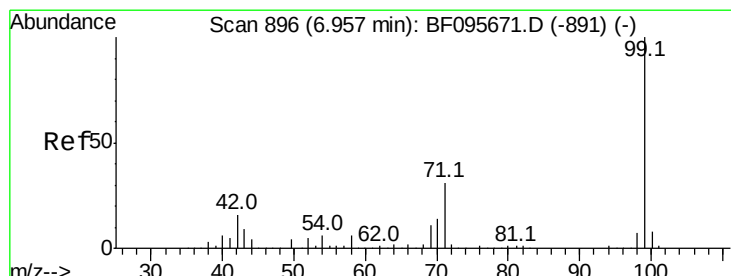
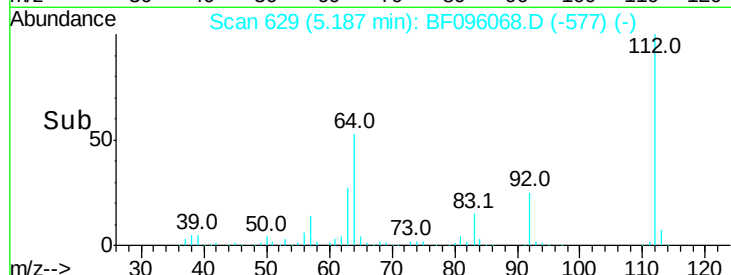
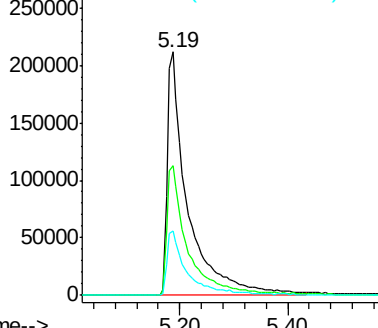
63 26.5 23.4 35.0



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: 147.20 ng

RT: 6.88 min Scan# 917

Delta R.T. 0.01 min

Lab File: BF096068.D

Acq: 21 Jun 2017 5:40

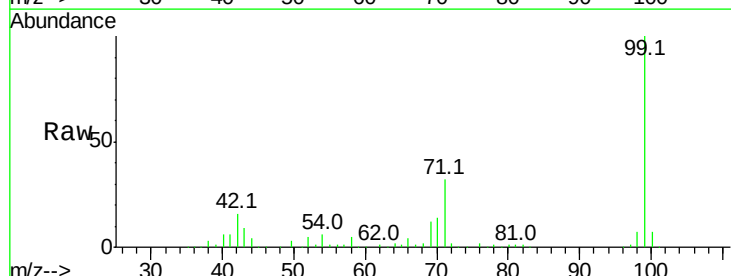
Tgt Ion: 99 Resp: 707913

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

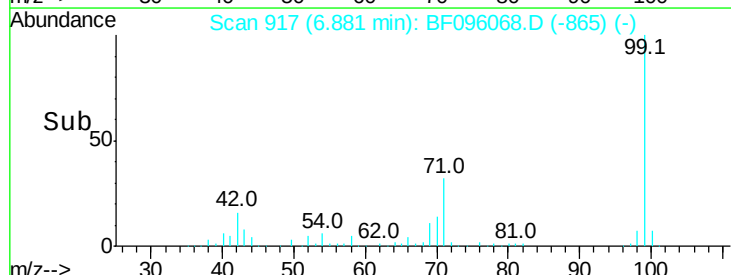
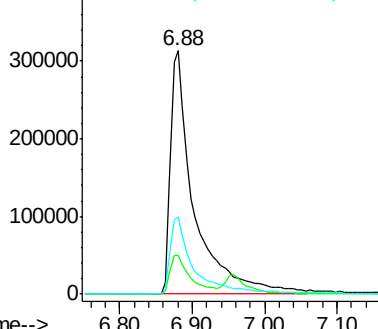
71 31.7 24.5 36.7

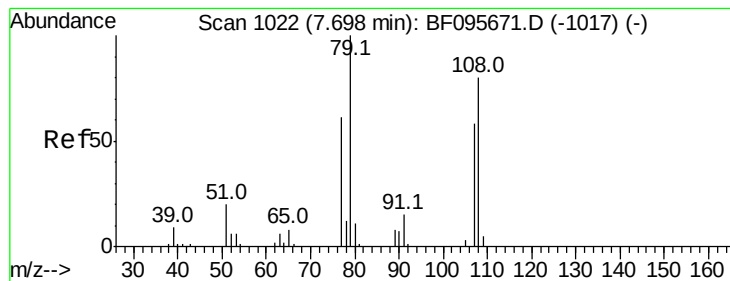


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.23 ng

RT: 7.53 min Scan# 1027

Delta R.T. -0.08 min

Lab File: BF096068.D

Acq: 21 Jun 2017 5:40

Instrument :

BNA_F

ClientSampleId :

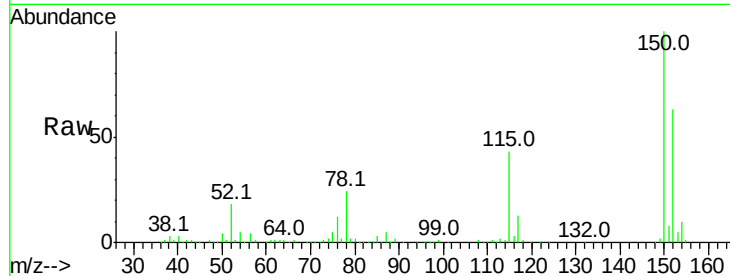
Tot Ion: 79 Resp: 7354

Ion Ratio Lower Upper

79 100

108 31.7 63.4 95.0#

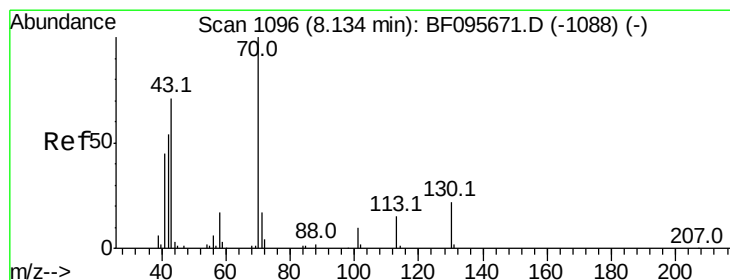
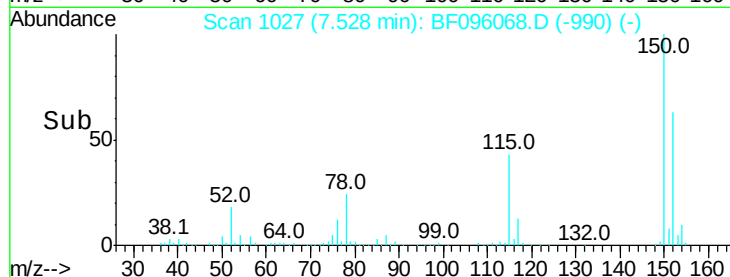
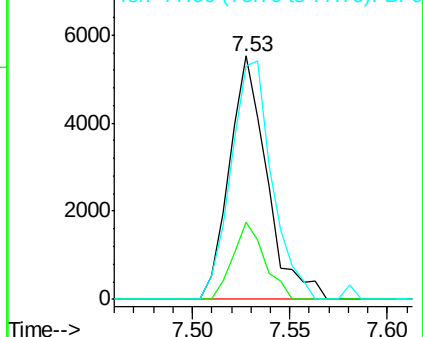
77 95.8 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.22 ng

RT: 8.22 min Scan# 1144

Delta R.T. 0.18 min

Lab File: BF096068.D

Acq: 21 Jun 2017 5:40

Tgt Ion: 70 Resp: 49426

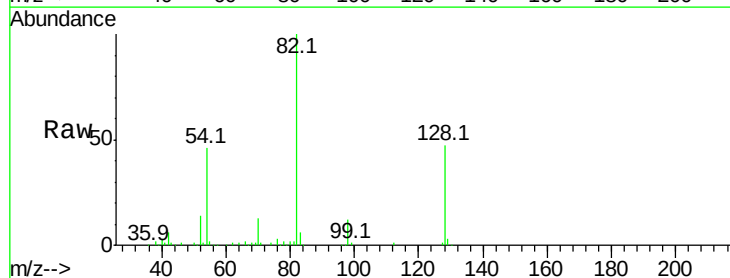
Ion Ratio Lower Upper

70 100

42 42.9 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

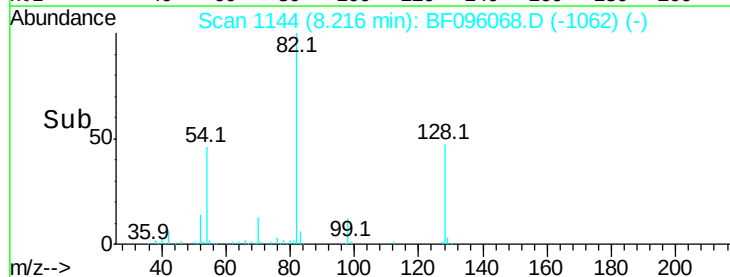
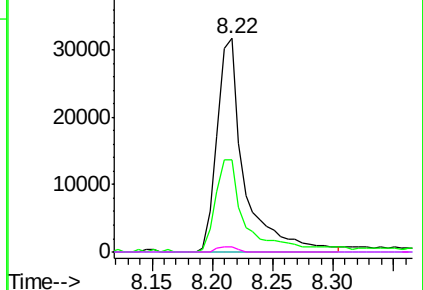


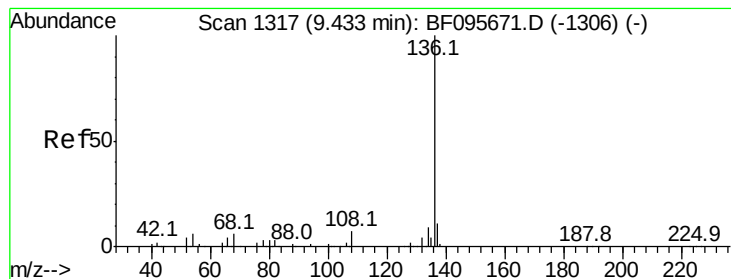
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.33 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BF096068.D

Acq: 21 Jun 2017 5:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 272351

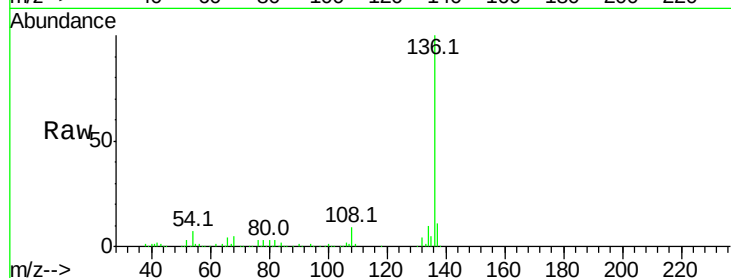
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.0 4.9 7.3

68 5.2 4.1 6.1

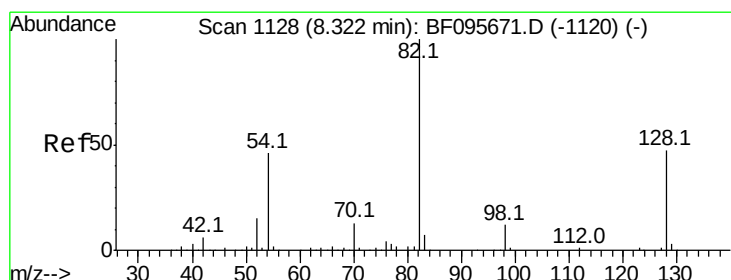
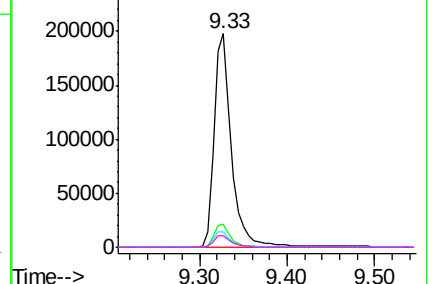
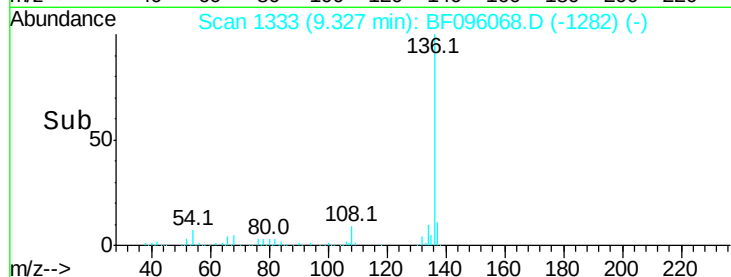


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.26 ng

RT: 8.22 min Scan# 1144

Delta R.T. -0.01 min

Lab File: BF096068.D

Acq: 21 Jun 2017 5:40

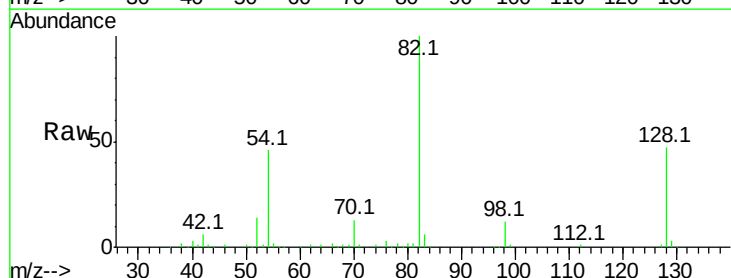
Tgt Ion: 82 Resp: 382660

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

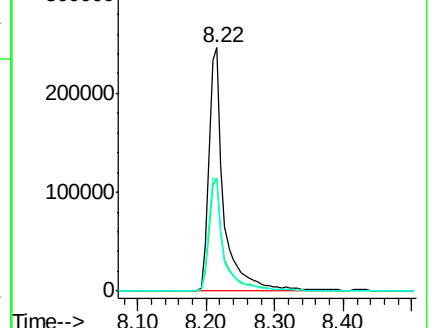
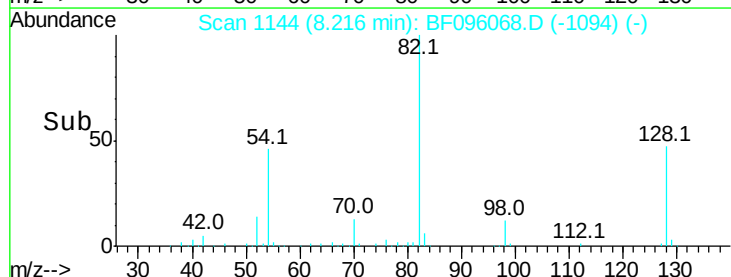
54 46.0 42.2 63.2

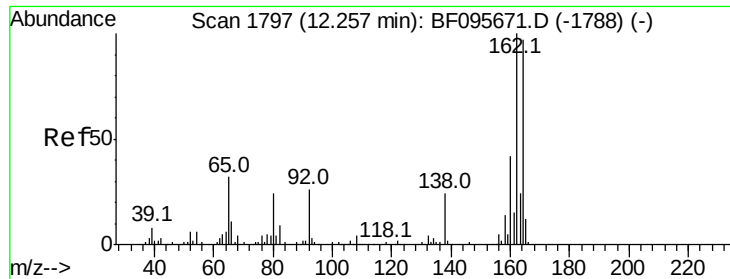


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.19 min Scan# 1820

Delta R.T. 0.04 min

Lab File: BF096068.D

Acq: 21 Jun 2017 5:40

Instrument :

BNA_F

ClientSampleId :

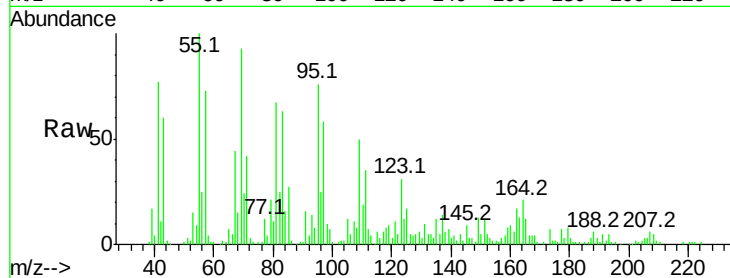
Tot Ion:164 Resp: 64910

Ion Ratio Lower Upper

164 100

162 83.0 82.6 123.8

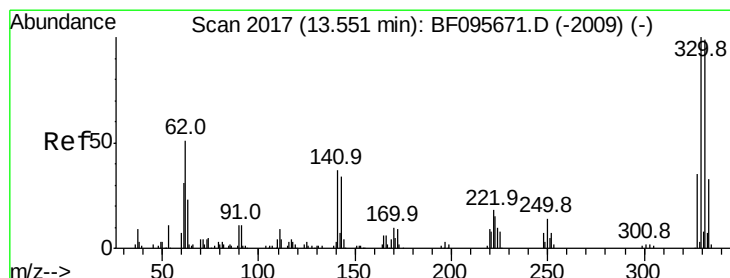
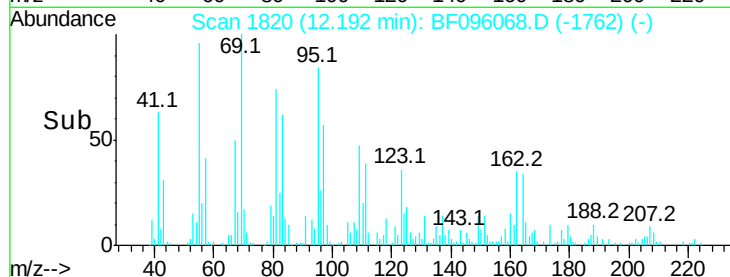
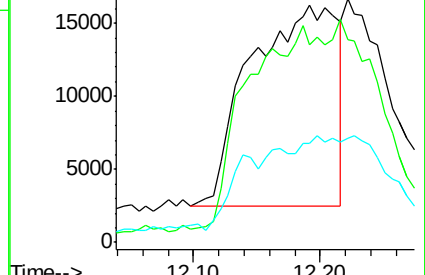
160 41.8 36.2 54.2



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: 21.09 ng

RT: 13.48 min Scan# 2039

Delta R.T. 0.03 min

Lab File: BF096068.D

Acq: 21 Jun 2017 5:40

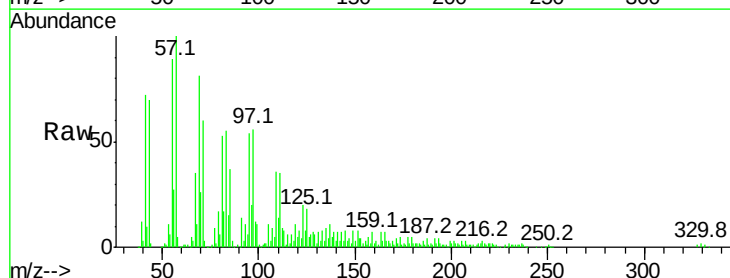
Tgt Ion:330 Resp: 12111

Ion Ratio Lower Upper

330 100

332 71.2 76.6 115.0#

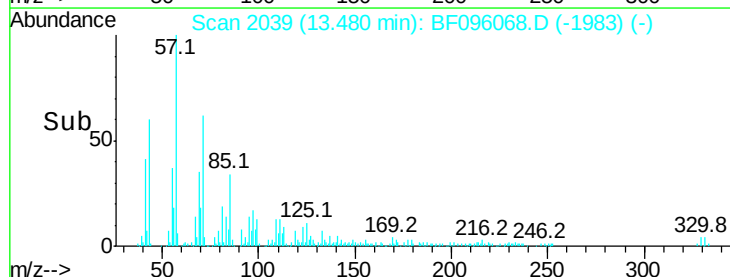
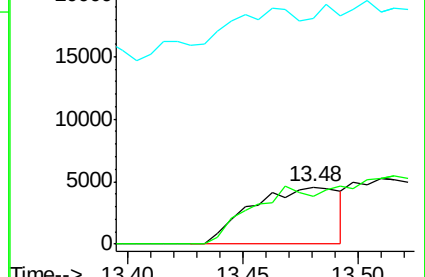
141 46.1 31.4 47.2

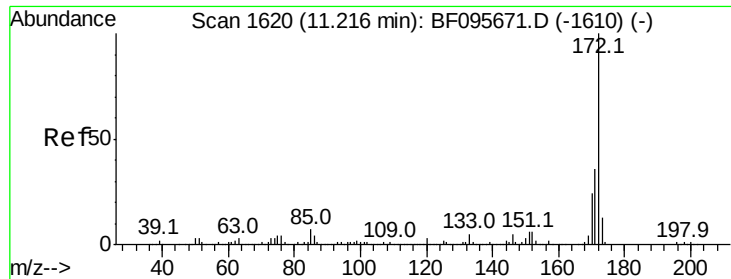


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

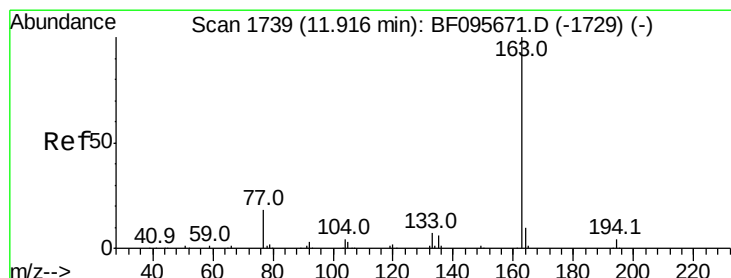
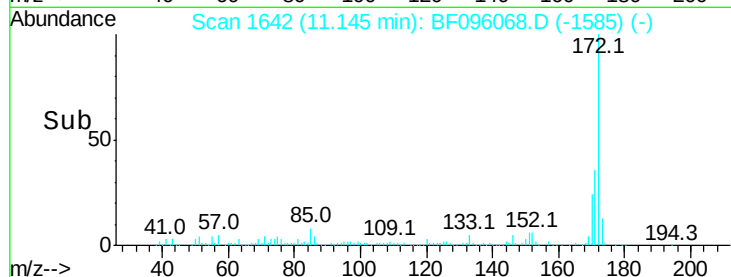
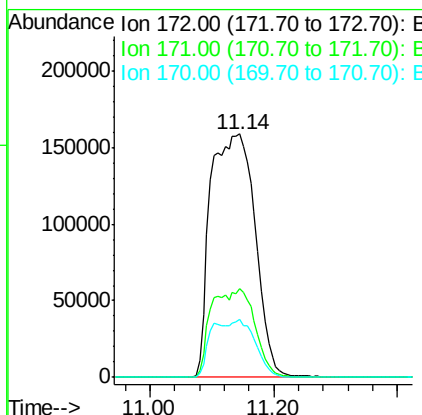
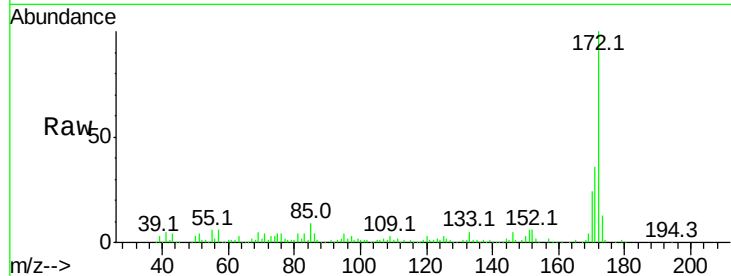




#44
2-Fluorobiphenyl
Concen: 170.01 ng
RT: 11.14 min Scan# 1642
Delta R.T. 0.04 min
Lab File: BF096068.D
Acq: 21 Jun 2017 5:40

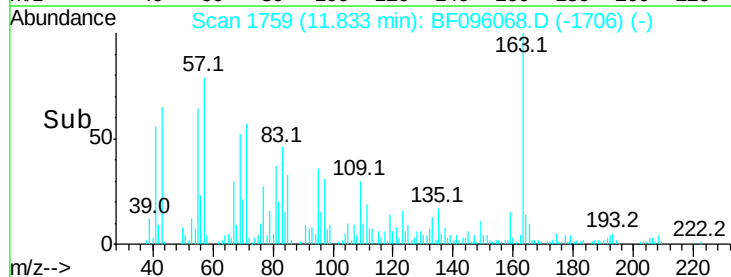
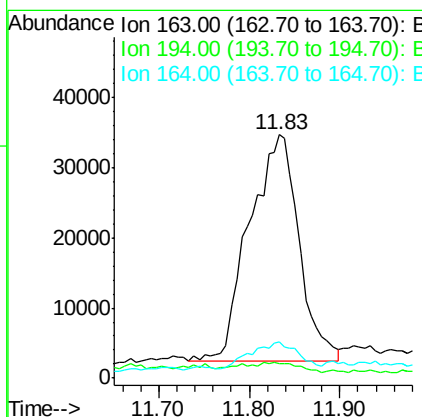
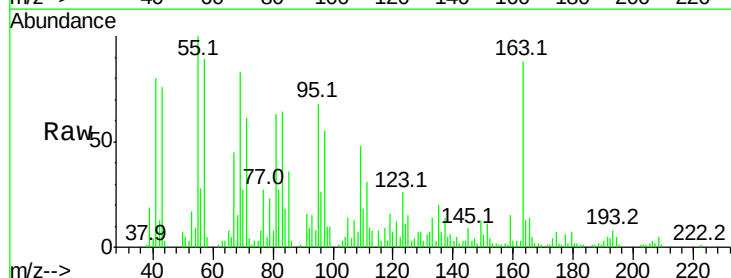
Instrument :
BNA_F
ClientSampleId :

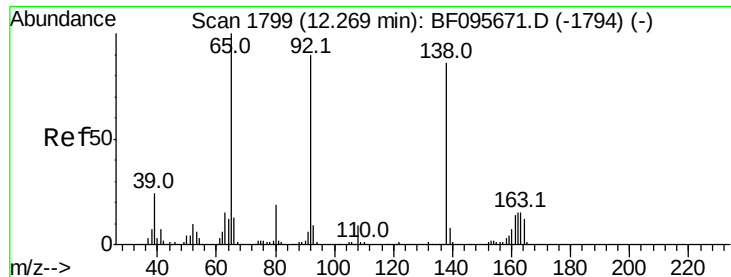
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.6	19.8	29.8



#49
Dimethylphthalate
Concen: 24.82 ng
RT: 11.83 min Scan# 1759
Delta R.T. 0.01 min
Lab File: BF096068.D
Acq: 21 Jun 2017 5:40

Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.1	2.6	4.0#
164	15.2	8.4	12.6#

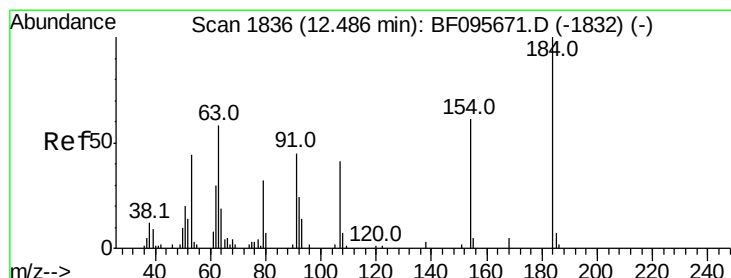
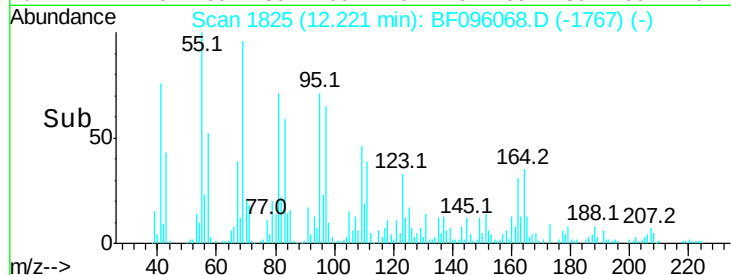
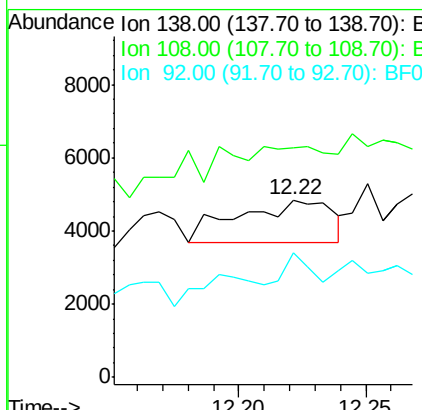
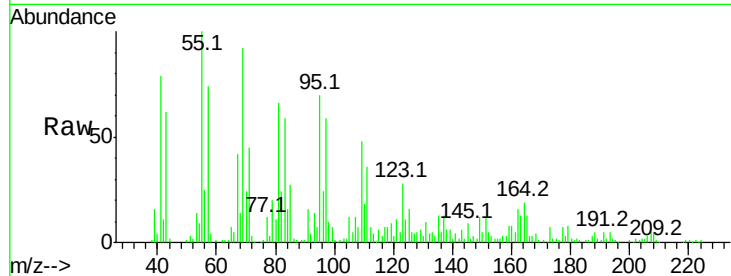




#52
 3-Nitroaniline
 Concen: 2.37 ng
 RT: 12.22 min Scan# 1825
 Delta R.T. 0.04 min
 Lab File: BF096068.D
 Acq: 21 Jun 2017 5:40

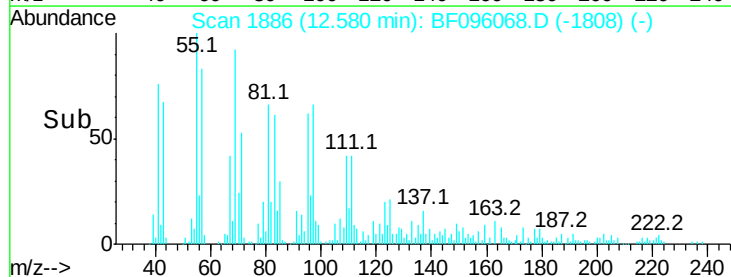
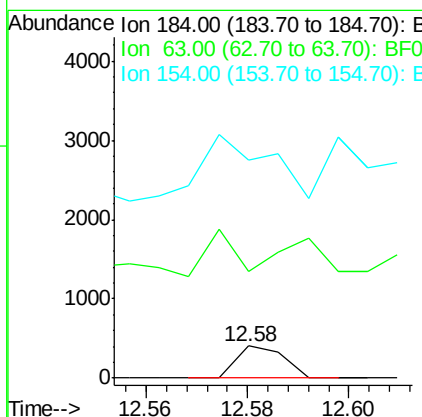
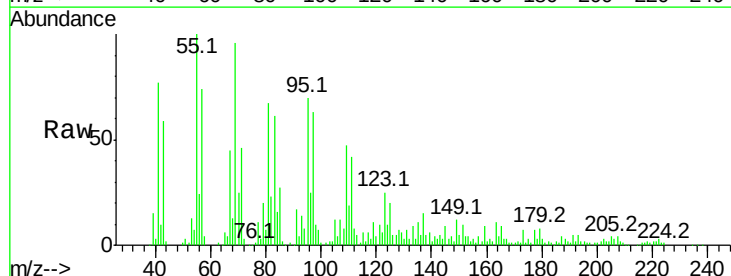
Instrument :
 BNA_F
 ClientSampled :

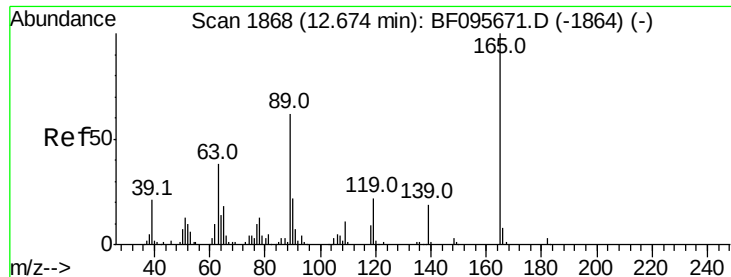
Tot Ion:138 Resp: 2966
 Ion Ratio Lower Upper
 138 100
 108 129.8 9.1 13.7#
 92 69.9 93.8 140.6#



#53
 2,4-Dinitrophenol
 Concen: 6.86 ng
 RT: 12.58 min Scan# 1886
 Delta R.T. 0.16 min
 Lab File: BF096068.D
 Acq: 21 Jun 2017 5:40

Tgt Ion:184 Resp: 257
 Ion Ratio Lower Upper
 184 100
 63 330.9 62.7 94.1#
 154 680.5 81.1 121.7#

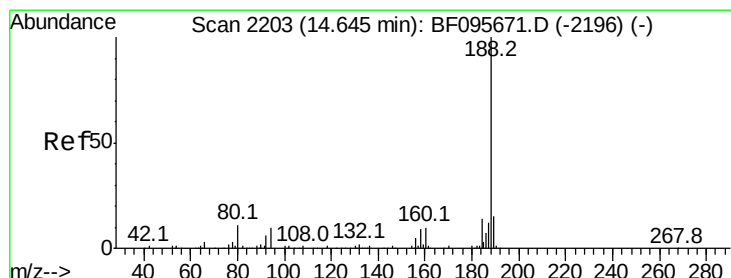
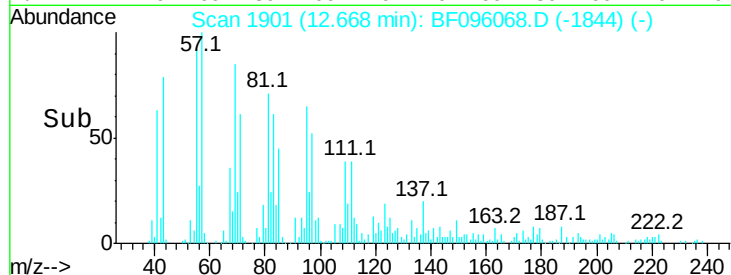
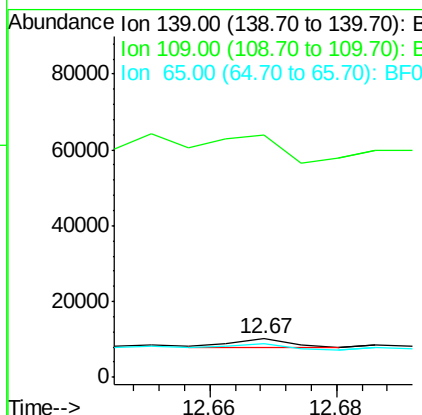
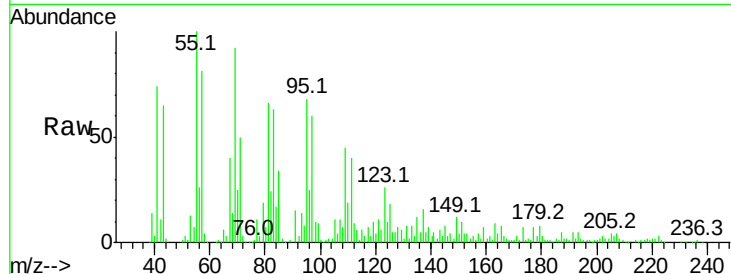




#55
4-Nitrophenol
Concen: 6.41 ng
RT: 12.67 min Scan# 1901
Delta R.T. 0.04 min
Lab File: BF096068.D
Acq: 21 Jun 2017 5:40

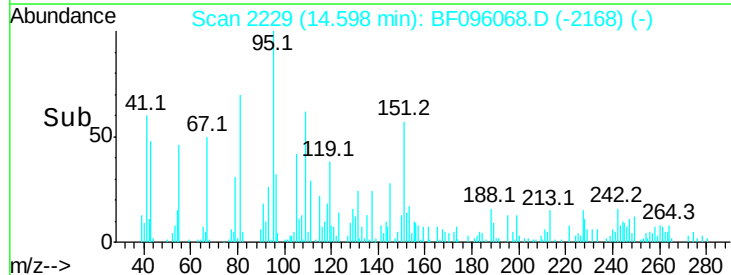
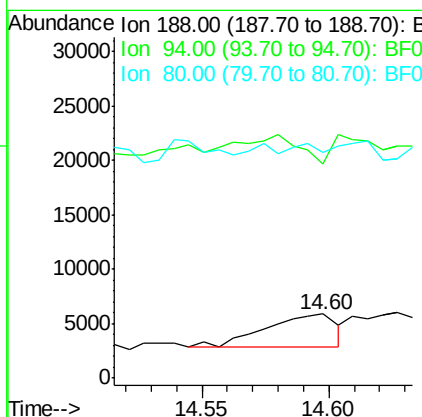
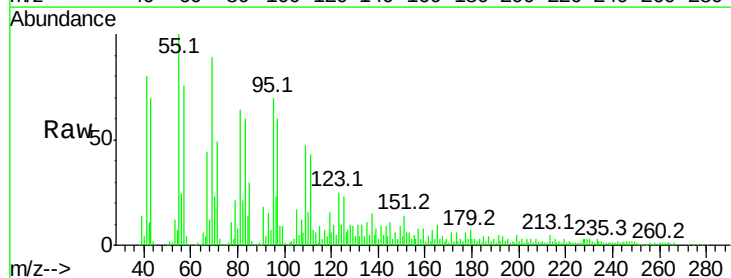
Instrument :
BNA_F
ClientSampleId :

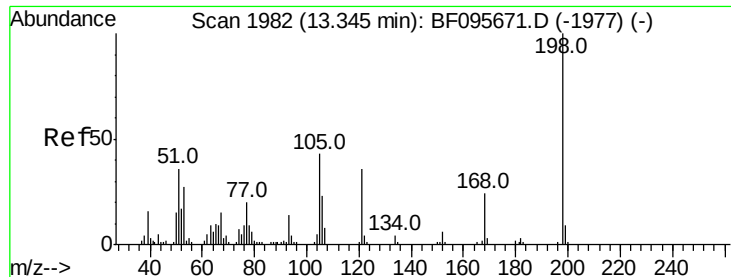
Tot Ion:139 Resp: 1381
Ion Ratio Lower Upper
139 100
109 631.8 34.1 74.1#
65 86.2 31.4 71.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.60 min Scan# 2229
Delta R.T. 0.06 min
Lab File: BF096068.D
Acq: 21 Jun 2017 5:40

Tgt Ion:188 Resp: 5699
Ion Ratio Lower Upper
188 100
94 333.2 9.4 14.2#
80 352.2 10.2 15.2#





#64

4,6-Dinitro-2-methylphenol

Concen: 14.42 ng

RT: 13.30 min Scan# 2008

Delta R.T. 0.04 min

Lab File: BF096068.D

Acq: 21 Jun 2017 5:40

Instrument :

BNA_F

ClientSampleId :

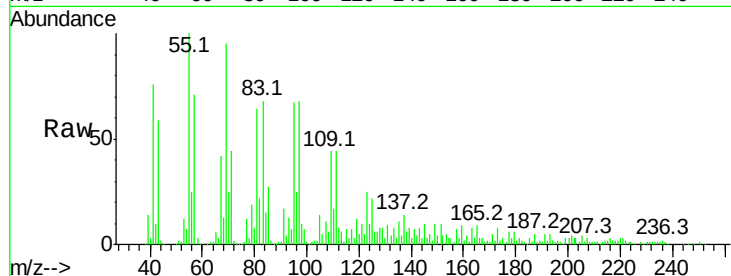
Tot Ion:198 Resp: 540

Ion Ratio Lower Upper

198 100

51 658.7 53.2 93.2#

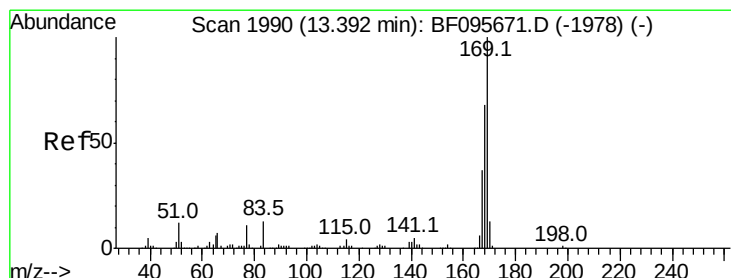
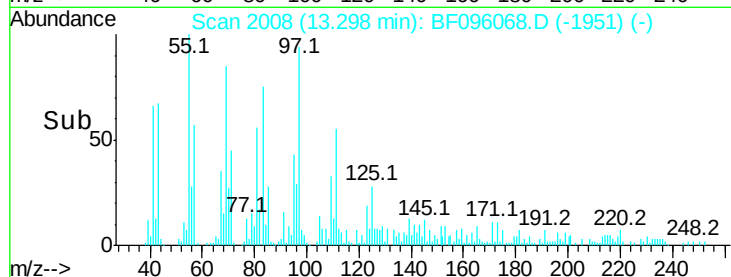
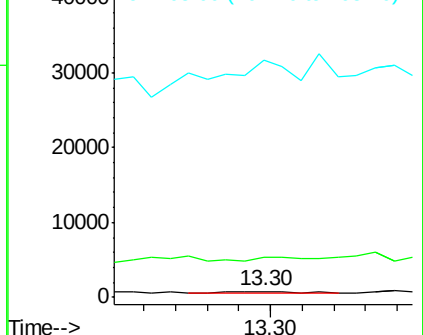
105 3905.5 45.8 85.8#



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



#65

n-Nitrosodiphenylamine

Concen: 2.20 ng

RT: 13.29 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BF096068.D

Acq: 21 Jun 2017 5:40

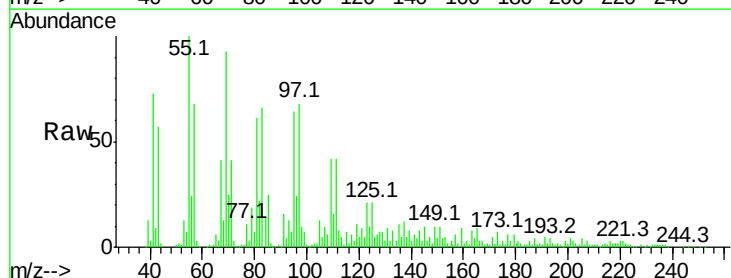
Tgt Ion:169 Resp: 450

Ion Ratio Lower Upper

169 100

168 89.8 53.2 79.8#

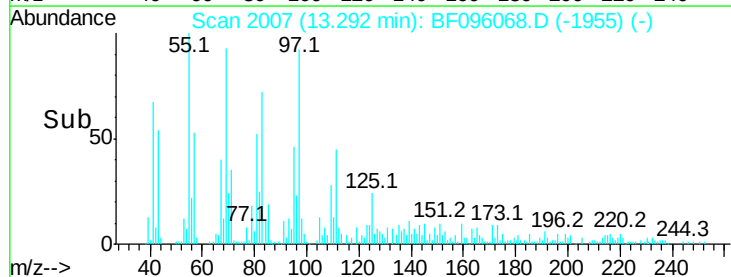
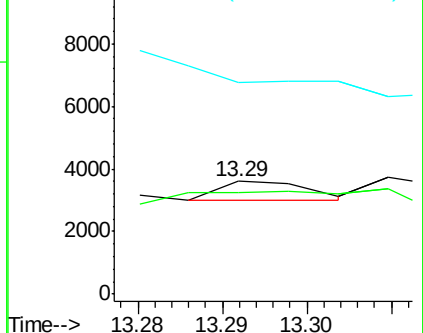
167 187.9 29.5 44.3#

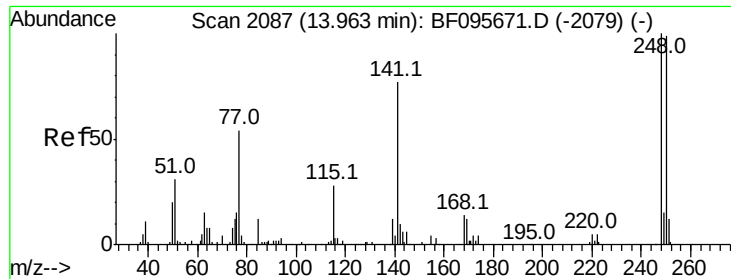


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

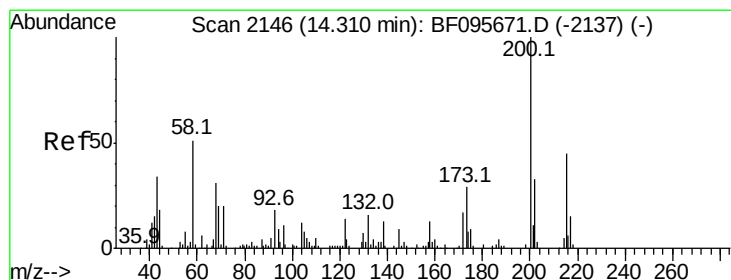
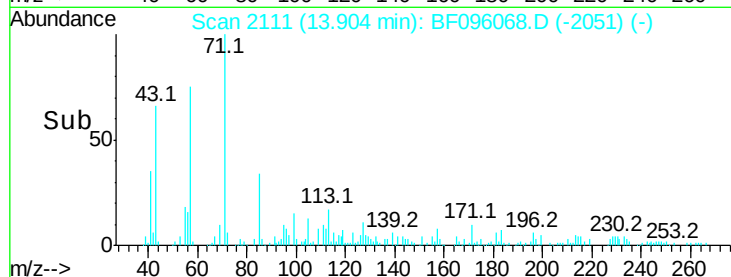
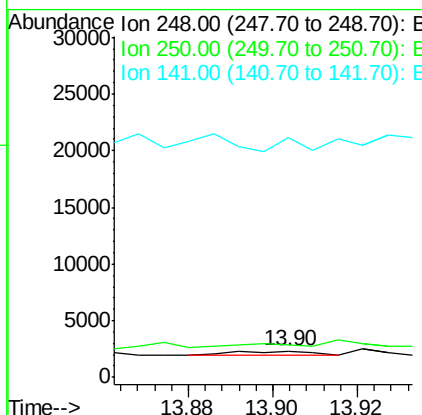
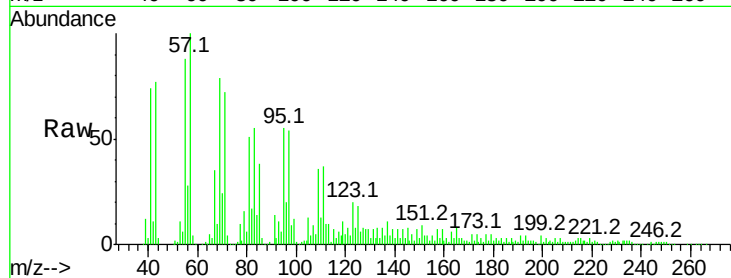




#66
4-Bromophenyl-phenylether
Concen: 8.04 ng
RT: 13.90 min Scan# 2111
Delta R.T. 0.05 min
Lab File: BF096068.D
Acq: 21 Jun 2017 5:40

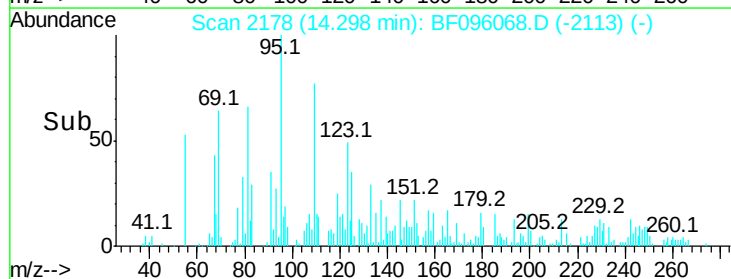
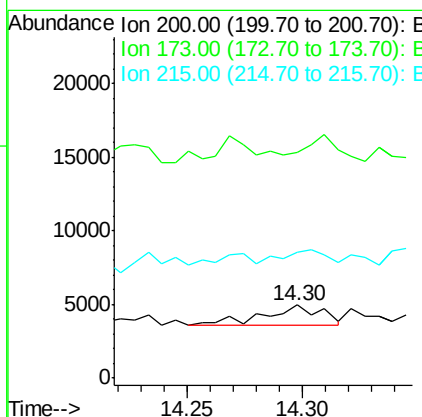
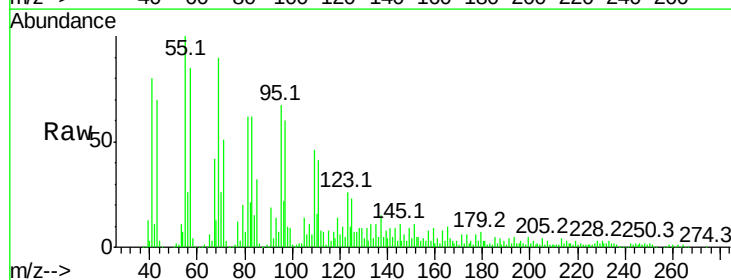
Instrument :
BNA_F
ClientSampled :

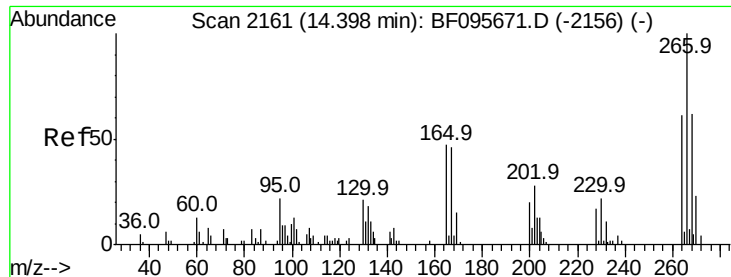
Tot Ion:248 Resp: 476
Ion Ratio Lower Upper
248 100
250 120.5 76.8 115.2#
141 905.9 68.6 103.0#



#68
Atrazine
Concen: 39.43 ng
RT: 14.30 min Scan# 2178
Delta R.T. 0.08 min
Lab File: BF096068.D
Acq: 21 Jun 2017 5:40

Tgt Ion:200 Resp: 2247
Ion Ratio Lower Upper
200 100
173 308.4 6.3 46.3#
215 171.1 27.2 67.2#





#69

Pentachlorophenol

Concen: 17.92 ng

RT: 14.36 min Scan# 2188

Delta R.T. 0.04 min

Lab File: BF096068.D

Acq: 21 Jun 2017 5:40

Instrument :

BNA_F

ClientSampled :

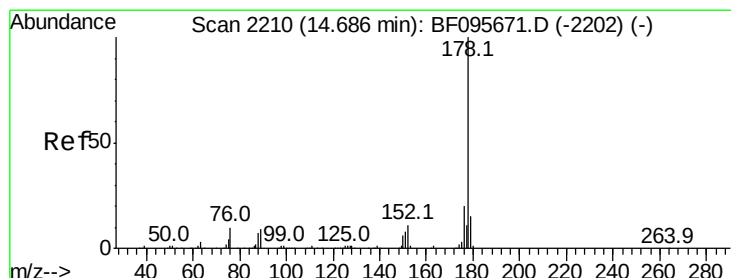
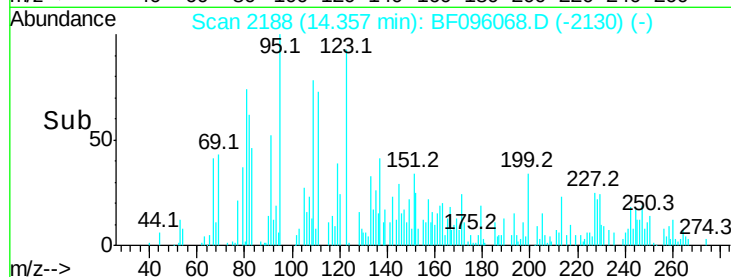
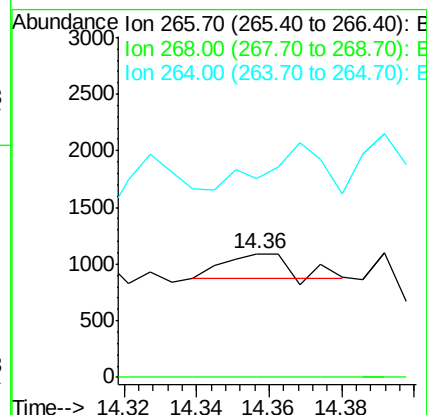
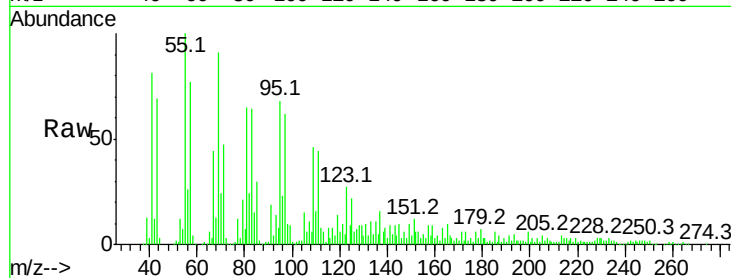
Tot Ion:266 Resp: 273

Ion Ratio Lower Upper

266 100

268 0.0 51.1 76.7#

264 161.0 51.7 77.5#



#70

Phenanthrene

Concen: 4.58 ng

RT: 14.65 min Scan# 2238

Delta R.T. 0.07 min

Lab File: BF096068.D

Acq: 21 Jun 2017 5:40

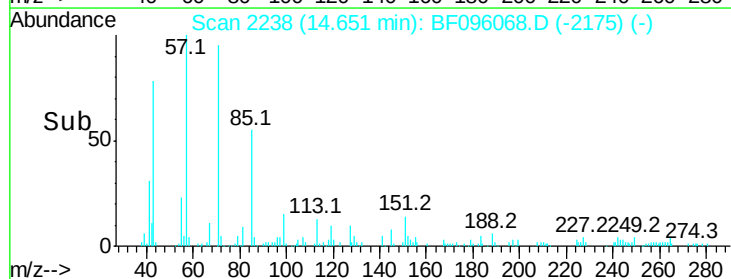
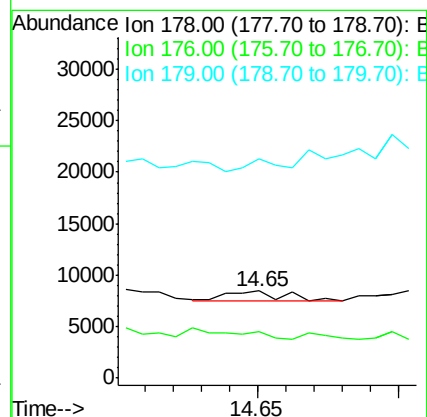
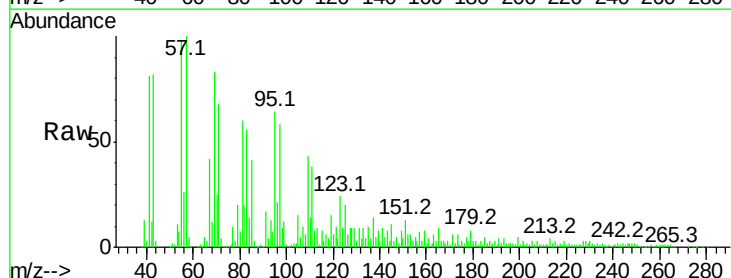
Tgt Ion:178 Resp: 1506

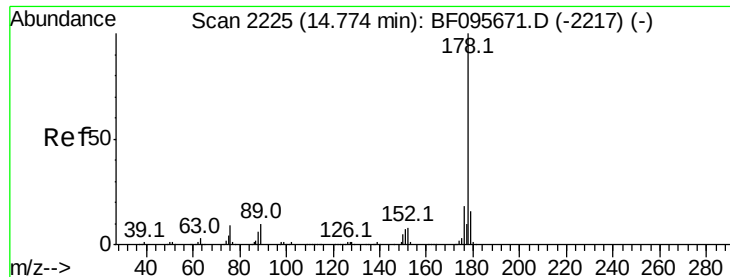
Ion Ratio Lower Upper

178 100

176 53.3 16.2 24.4#

179 252.7 12.6 19.0#

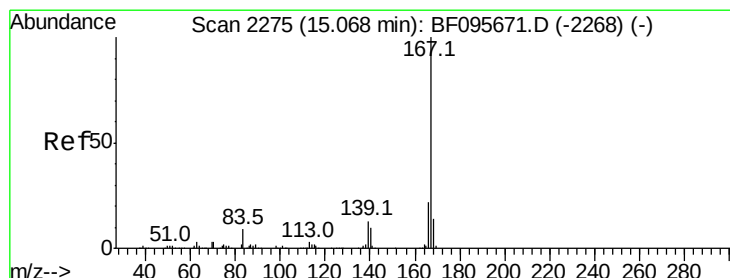
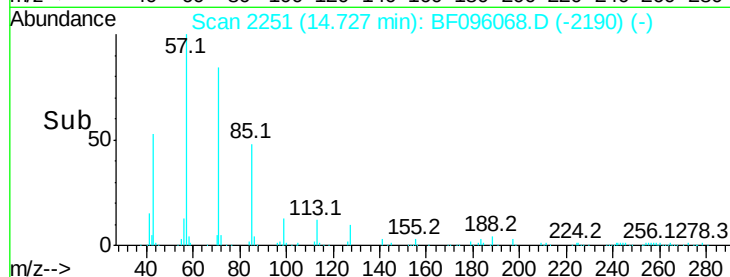
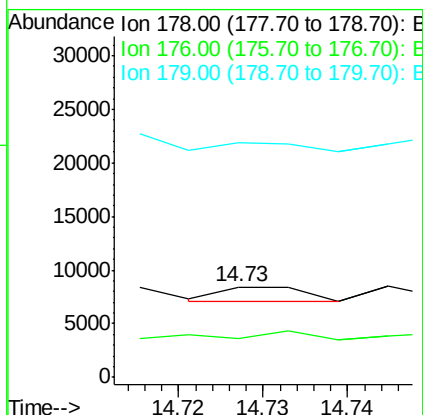
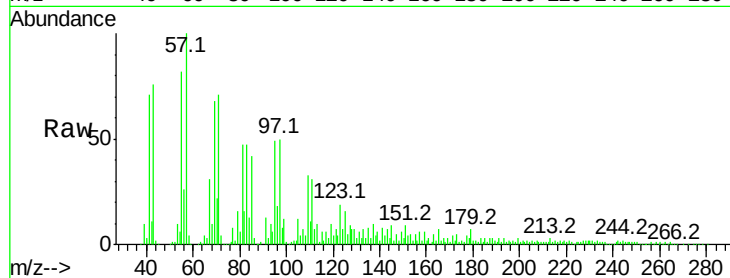




#71
 Anthracene
 Concen: 2.55 ng
 RT: 14.73 min Scan# 2251
 Delta R.T. 0.06 min
 Lab File: BF096068.D
 Acq: 21 Jun 2017 5:40

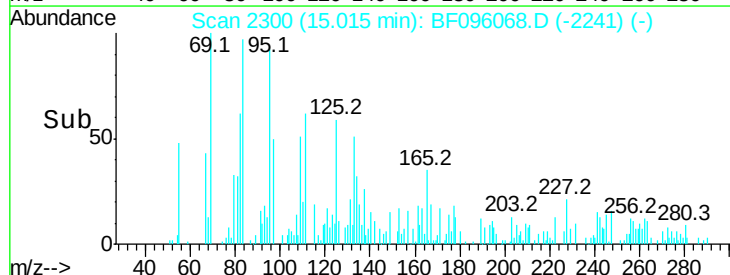
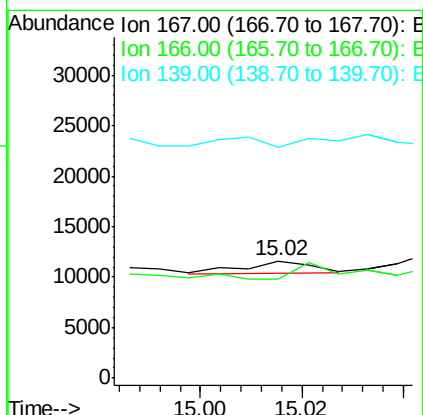
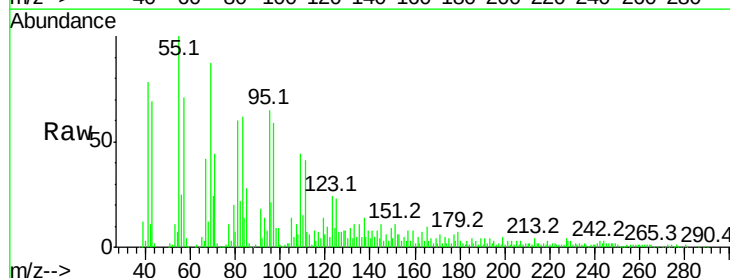
Instrument :
 BNA_F
 ClientSampleId :

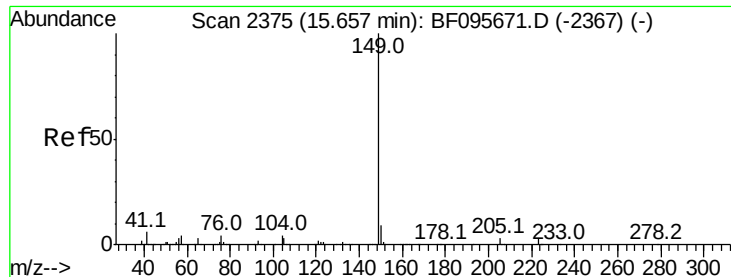
Tot Ion:178 Resp: 876
 Ion Ratio Lower Upper
 178 100
 176 43.3 15.8 23.8#
 179 260.2 12.7 19.1#



#72
 Carbazole
 Concen: 3.46 ng
 RT: 15.02 min Scan# 2300
 Delta R.T. 0.05 min
 Lab File: BF096068.D
 Acq: 21 Jun 2017 5:40

Tgt Ion:167 Resp: 1156
 Ion Ratio Lower Upper
 167 100
 166 84.4 18.1 27.1#
 139 196.9 11.7 17.5#





#73

Di-n-butylphthalate

Concen: 8.32 ng

RT: 15.64 min Scan# 2407

Delta R.T. 0.08 min

Lab File: BF096068.D

Acq: 21 Jun 2017 5:40

Instrument :

BNA_F

ClientSampleId :

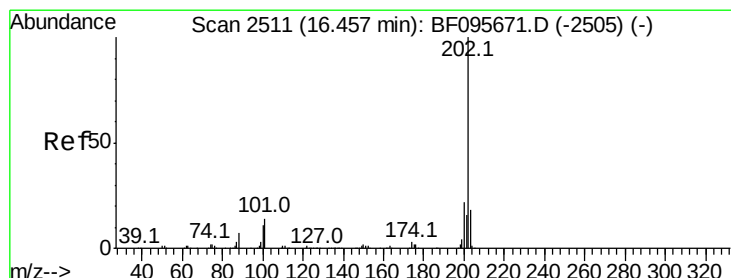
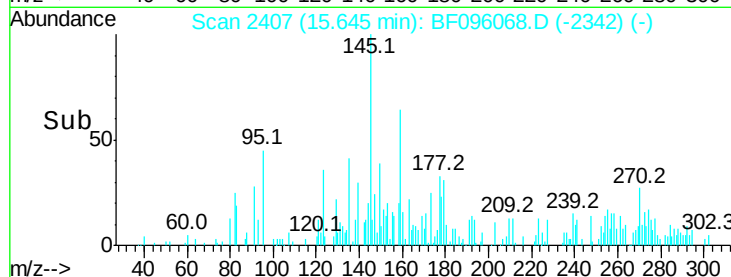
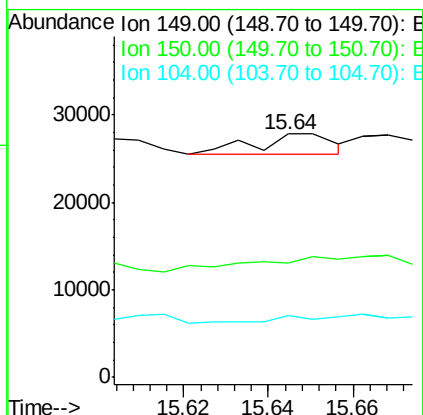
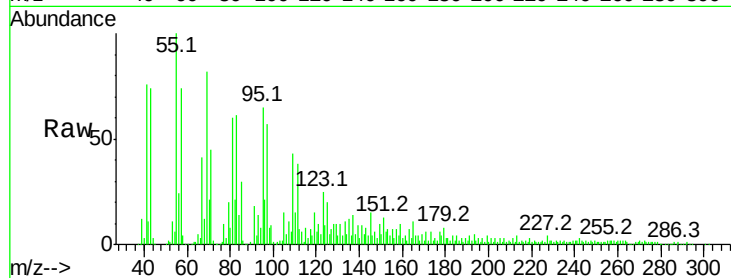
Tot Ion:149 Resp: 2961

Ion Ratio Lower Upper

149 100

150 47.0 7.7 11.5#

104 25.2 4.0 6.0#



#74

Fluoranthene

Concen: 4.18 ng

RT: 16.43 min Scan# 2541

Delta R.T. 0.06 min

Lab File: BF096068.D

Acq: 21 Jun 2017 5:40

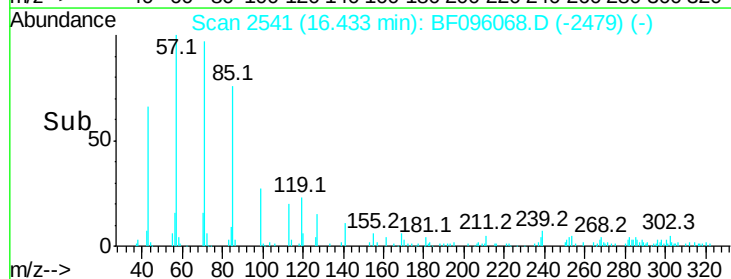
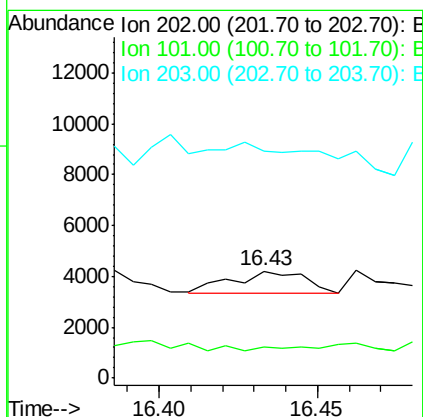
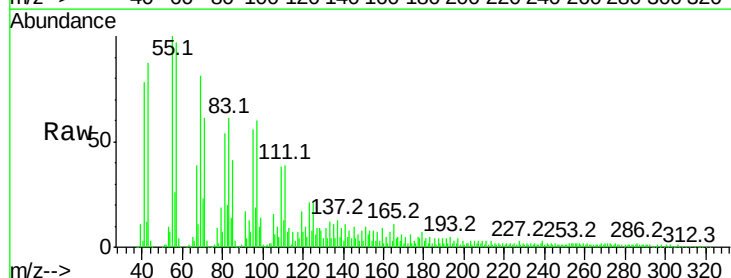
Tgt Ion:202 Resp: 1359

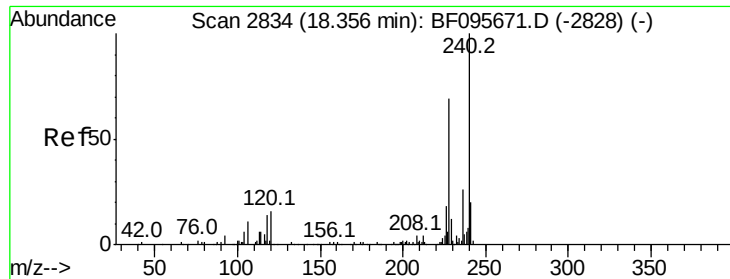
Ion Ratio Lower Upper

202 100

101 29.4 0.0 33.2

203 212.8 0.0 38.1#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.38 min Scan# 2872

Delta R.T. 0.11 min

Lab File: BF096068.D

Acq: 21 Jun 2017 5:40

Instrument :

BNA_F

ClientSampleId :

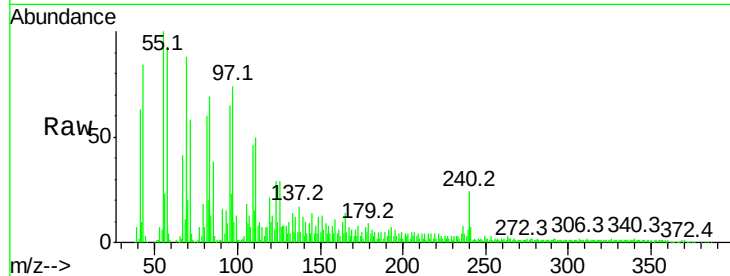
Tot Ion:240 Resp: 59700

Ion Ratio Lower Upper

240 100

120 43.3 5.8 8.8#

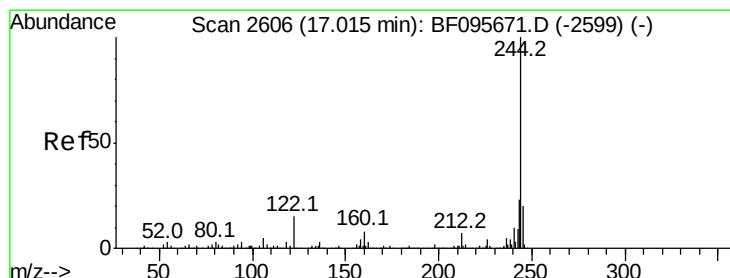
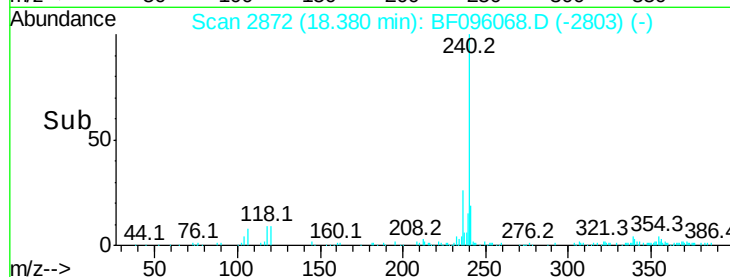
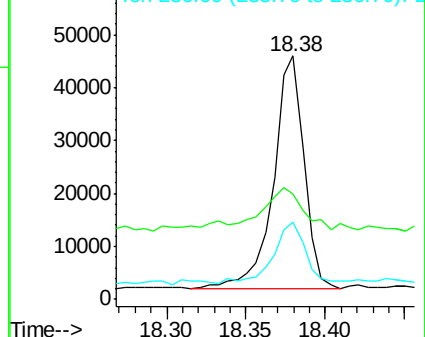
236 31.7 20.5 30.7#



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: 57.61 ng

RT: 17.09 min Scan# 2653

Delta R.T. 0.16 min

Lab File: BF096068.D

Acq: 21 Jun 2017 5:40

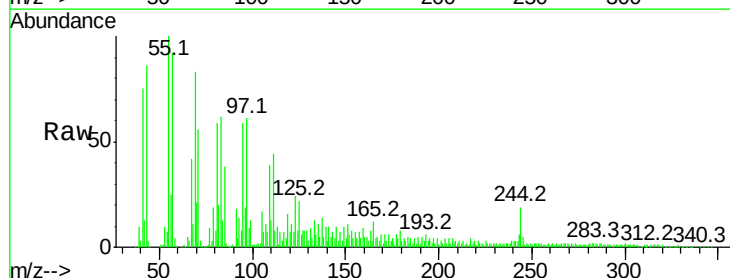
Tgt Ion:244 Resp: 138578

Ion Ratio Lower Upper

244 100

212 12.7 6.0 9.0#

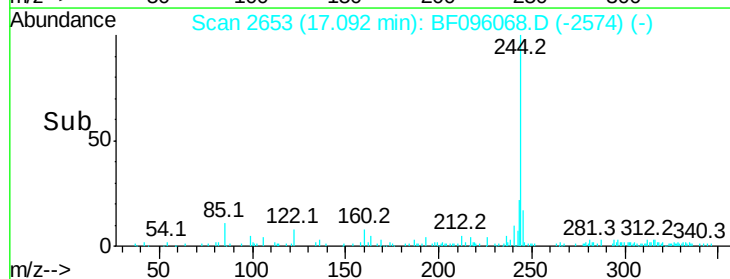
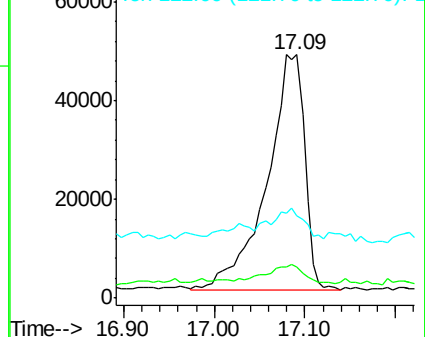
122 34.0 10.3 15.5#

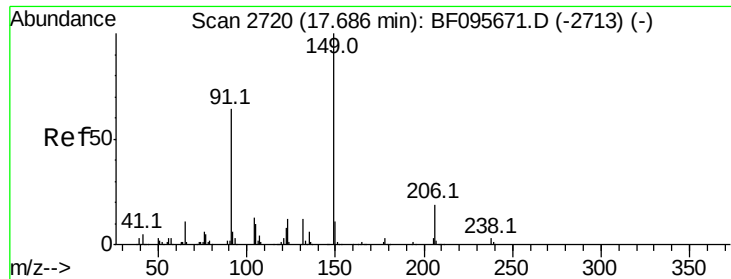


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 2.91 ng

RT: 17.71 min Scan# 2758

Delta R.T. 0.12 min

Lab File: BF096068.D

Acq: 21 Jun 2017 5:40

Instrument :

BNA_F

ClientSampleId :

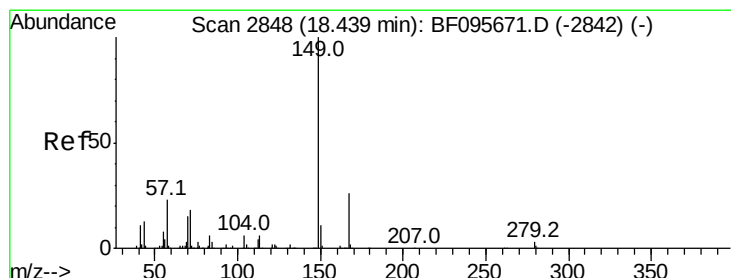
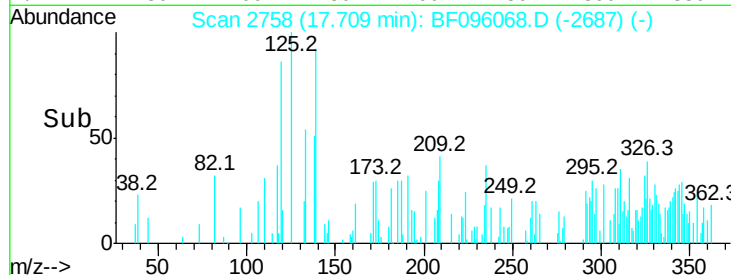
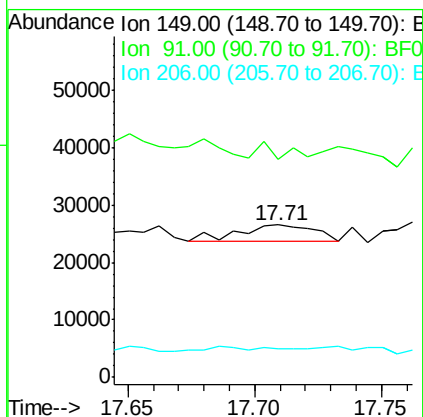
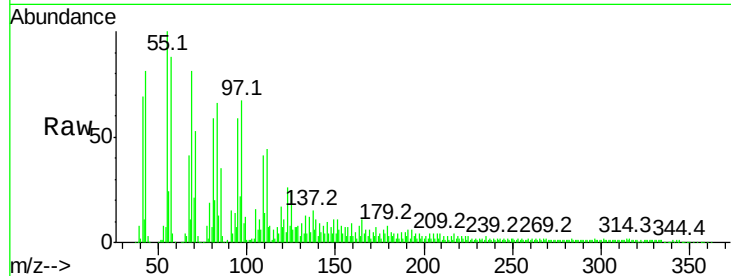
Tot Ion:149 Resp: 5654

Ion Ratio Lower Upper

149 100

91 143.2 45.0 67.4#

206 19.1 17.0 25.6



#83

Bis(2-ethylhexyl)phthalate

Concen: 22.30 ng

RT: 18.42 min Scan# 2878

Delta R.T. 0.07 min

Lab File: BF096068.D

Acq: 21 Jun 2017 5:40

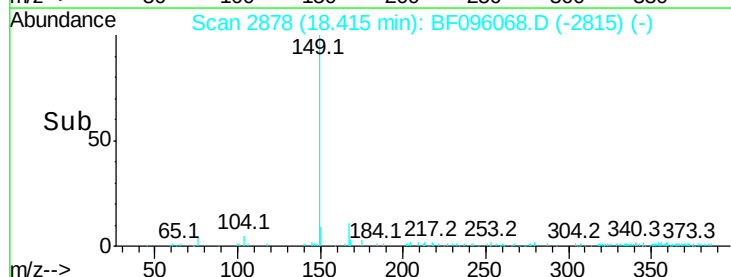
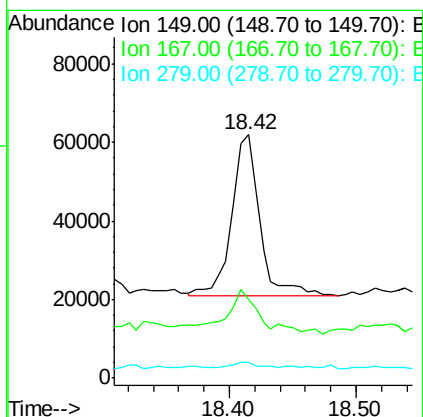
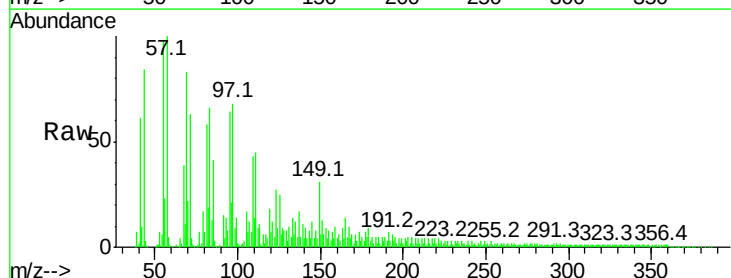
Tgt Ion:149 Resp: 61187

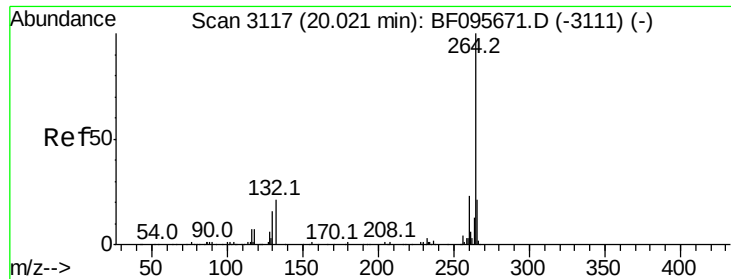
Ion Ratio Lower Upper

149 100

167 32.5 21.0 31.4#

279 6.7 1.9 2.9#

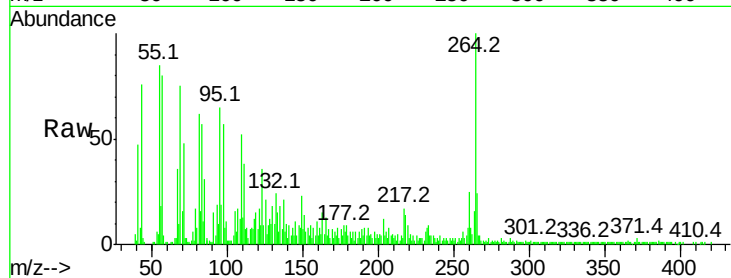




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 19.98 min Scan# 3144
 Delta R.T. 0.04 min
 Lab File: BF096068.D
 Acq: 21 Jun 2017 5:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	25.0	19.5	29.3	
265	23.6	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

