

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
 Data File : BF096182.D
 Acq On : 24 Jun 2017 10:44
 Operator : SJ/MA
 Sample : I3867-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 26 01:19:51 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

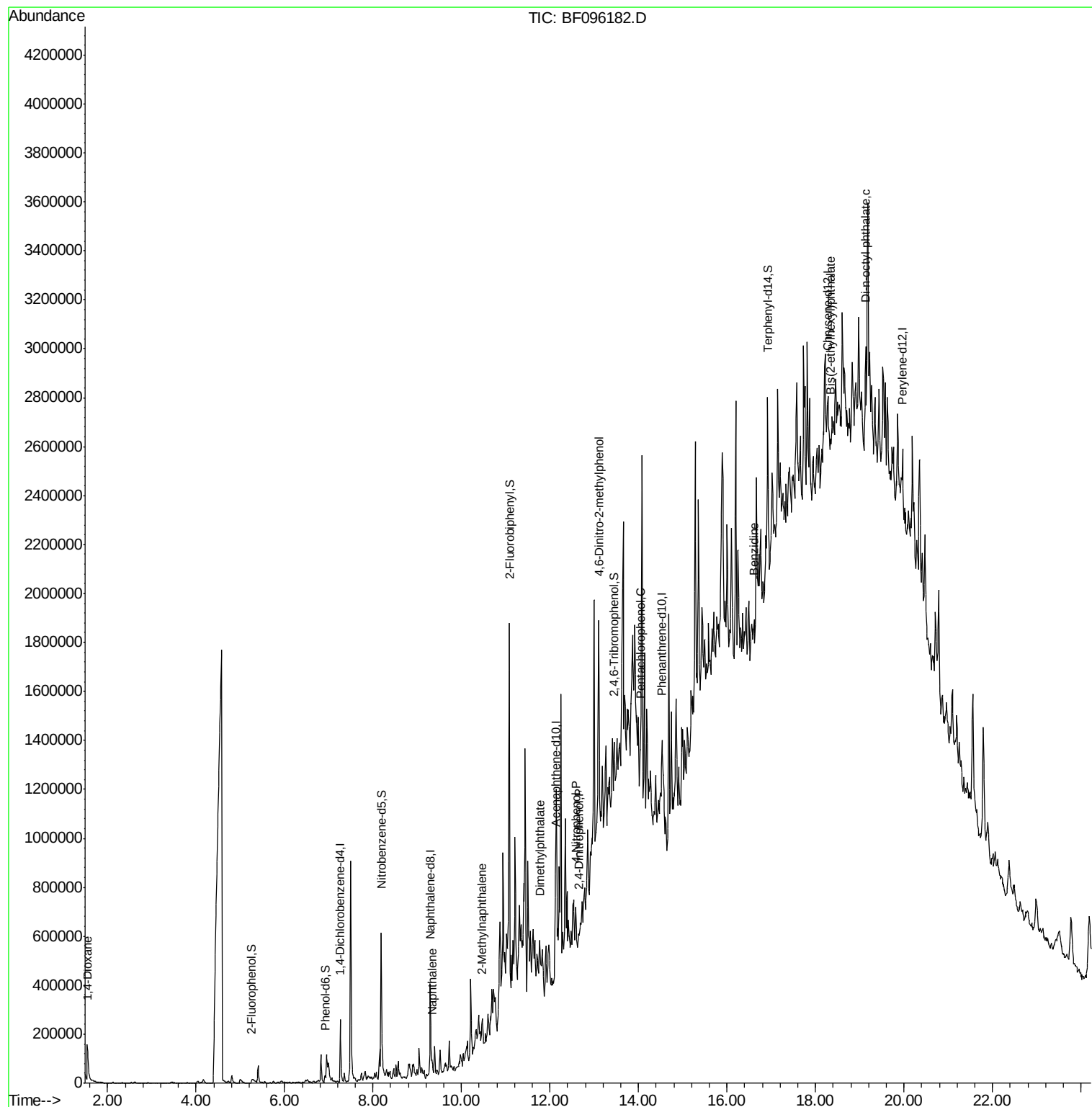
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	66775	20.00	ng	-0.03
21) Naphthalene-d8	9.29	136	262321	20.00	ng	-0.04
38) Acenaphthene-d10	12.12	164	113408	20.00	ng	-0.03
63) Phenanthrene-d10	14.53	188	162159	20.00	ng	-0.01
75) Chrysene-d12	18.28	240	103190	20.00	ng	0.00
86) Perylene-d12	19.97	264	100741	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	27797	6.63	ng	0.08
7) Phenol-d6	6.92	99	41208	8.21	ng	0.04
23) Nitrobenzene-d5	8.19	82	342005	80.97	ng	-0.04
41) 2,4,6-Tribromophenol	13.44	330	16119	16.06	ng	-0.01
44) 2-Fluorobiphenyl	11.08	172	646106	79.28	ng	-0.03
78) Terphenyl-d14	16.92	244	358958	86.33	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.54	88	8037	4.03	ng	Qvalue # 21
31) Naphthalene	9.33	128	34859	2.65	ng	96
37) 2-Methylnaphthalene	10.47	142	21099	2.37	ng	96
49) Dimethylphthalate	11.78	163	20890	2.43	ng	# 98
53) 2,4-Dinitrophenol	12.65	184	123	6.58	ng	# 1
55) 4-Nitrophenol	12.58	139	2133	6.20	ng	# 16
64) 4,6-Dinitro-2-methylphenol	13.10	198	4327	4.06	ng	79
69) Pentachlorophenol	14.04	266	376	7.15	ng	# 18
76) Benzidine	16.62	184	8351	2.11	ng	# 43
83) Bis(2-ethylhexyl)phthalate	18.35	149	24312	5.13	ng	# 67
84) Di-n-octyl phthalate	19.13	149	49312	6.31	ng	# 1

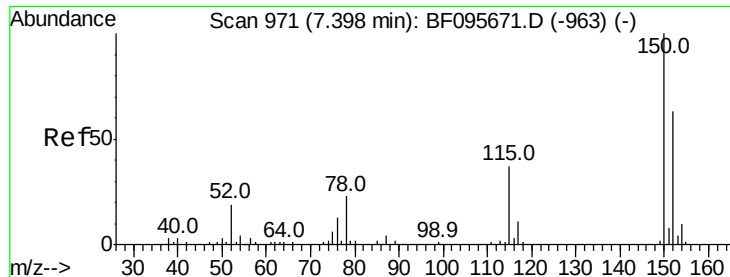
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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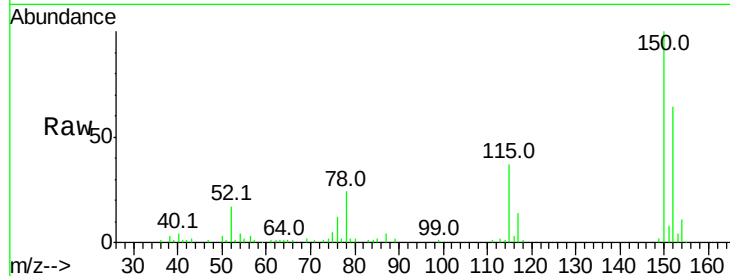


#1

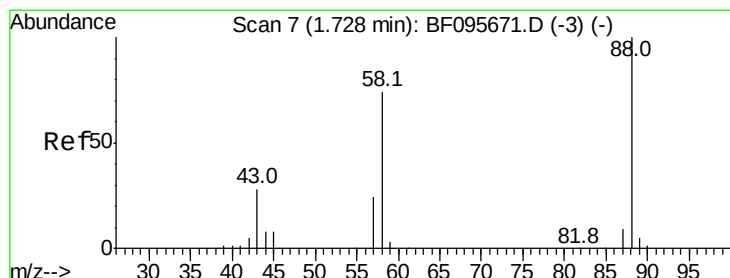
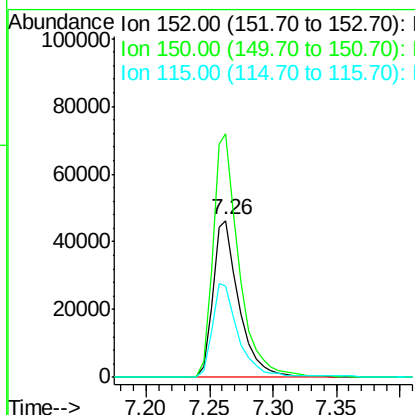
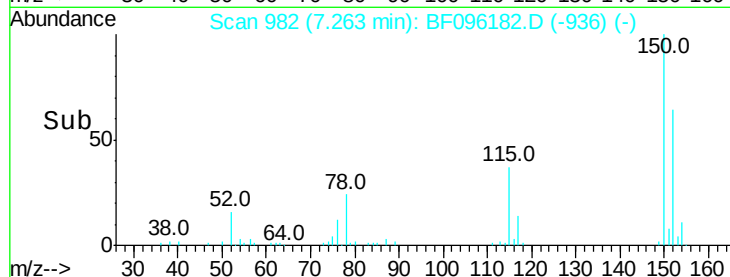
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 982
Delta R.T. -0.03 min
Lab File: BF096182.D
Acq: 24 Jun 2017 10:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 66775
Ion Ratio Lower Upper
152 100
150 155.4 126.2 189.2
115 57.9 52.2 78.2



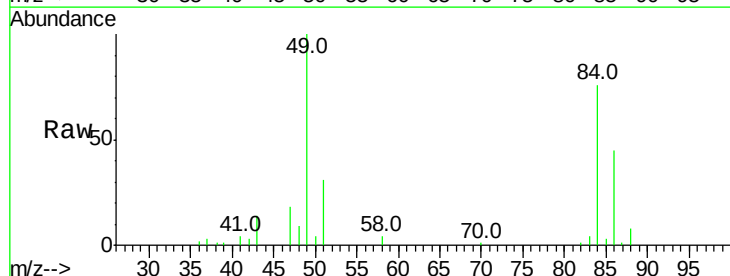
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



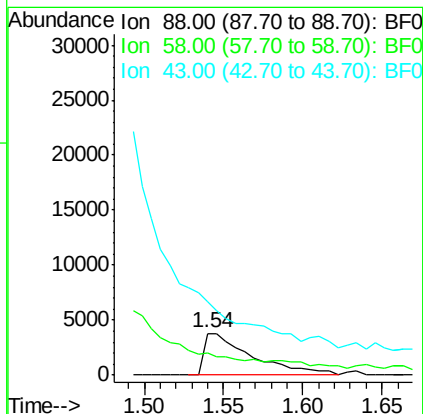
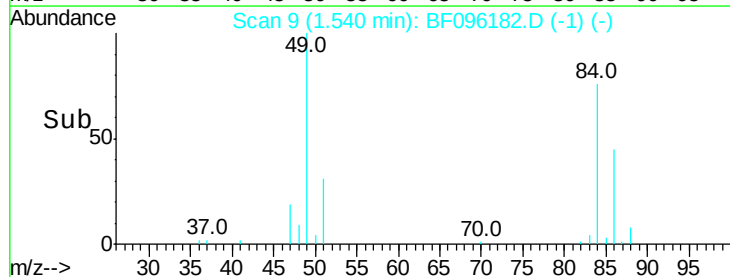
#2

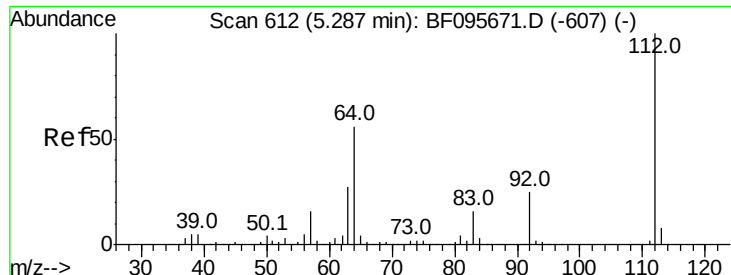
1,4-Dioxane
Concen: 4.03 ng
RT: 1.54 min Scan# 9
Delta R.T. -0.07 min
Lab File: BF096182.D
Acq: 24 Jun 2017 10:44

Tgt Ion: 88 Resp: 8037
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: 6.63 ng

RT: 5.26 min Scan# 641

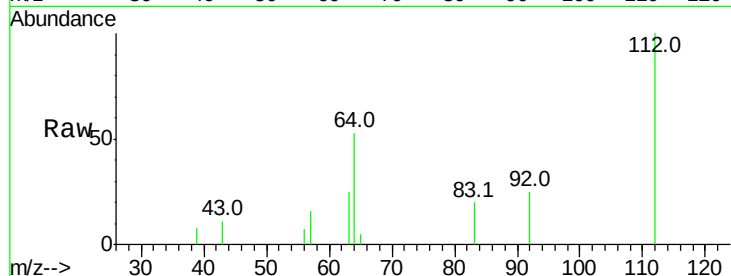
Delta R.T. 0.08 min

Lab File: BF096182.D

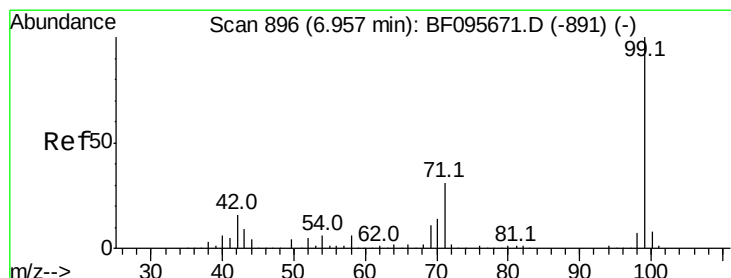
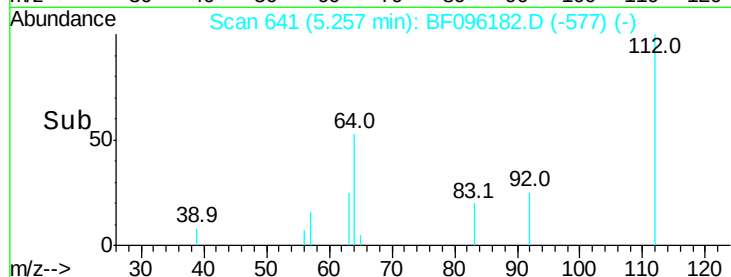
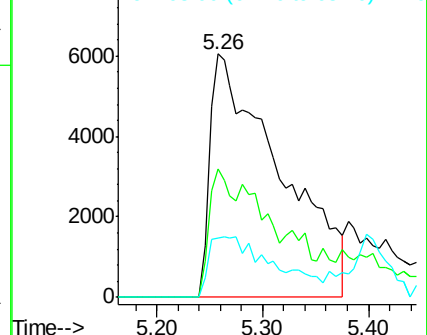
Acq: 24 Jun 2017 10:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:	112	Resp:	27797
Ion	Ratio	Lower	Upper
112	100		
64	52.5	46.0	69.0
63	24.6	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): BF0
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 8.21 ng

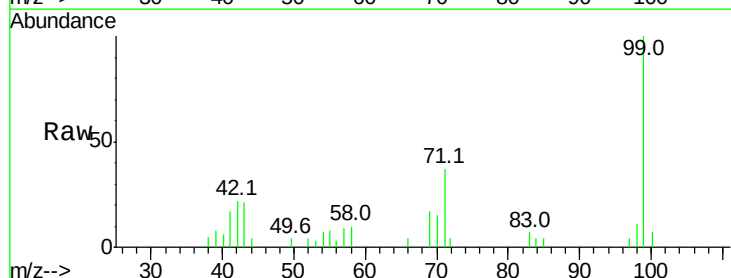
RT: 6.92 min Scan# 923

Delta R.T. 0.04 min

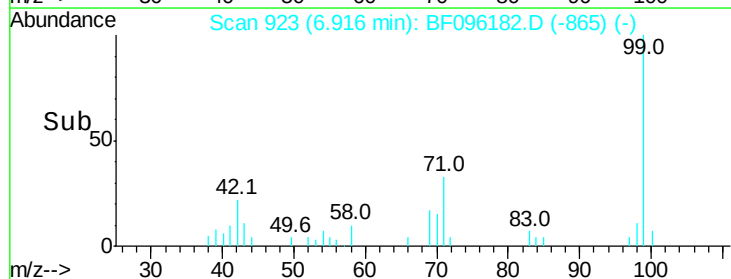
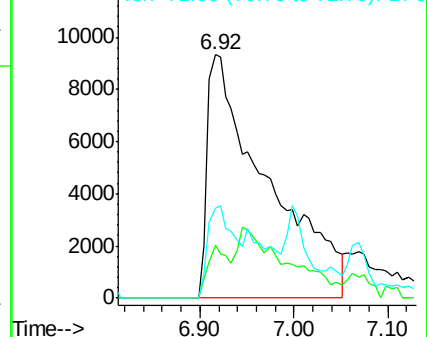
Lab File: BF096182.D

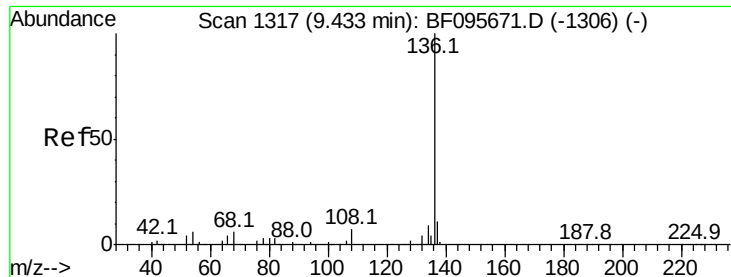
Acq: 24 Jun 2017 10:44

Tgt Ion:	99	Resp:	41208
Ion	Ratio	Lower	Upper
99	100		
42	21.8	13.5	20.3#
71	37.0	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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.29 min Scan# 1327

Delta R.T. -0.04 min

Lab File: BF096182.D

Acq: 24 Jun 2017 10:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 262321

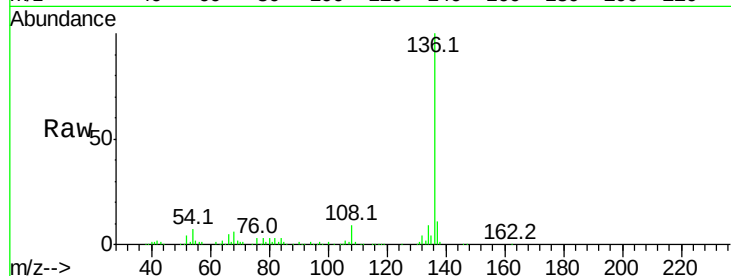
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 6.8 4.9 7.3

68 6.1 4.1 6.1

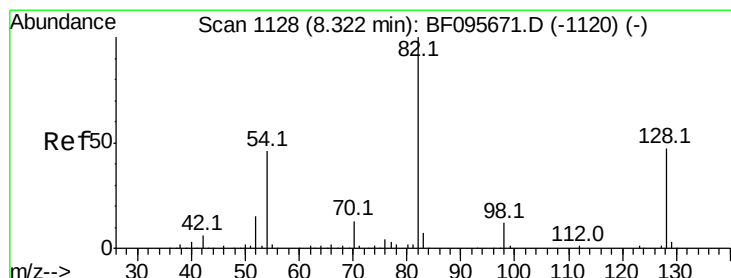
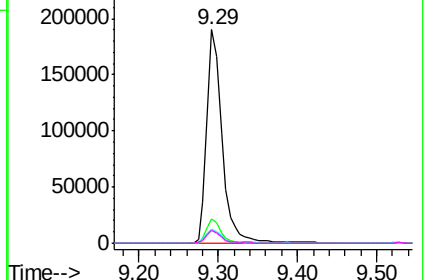
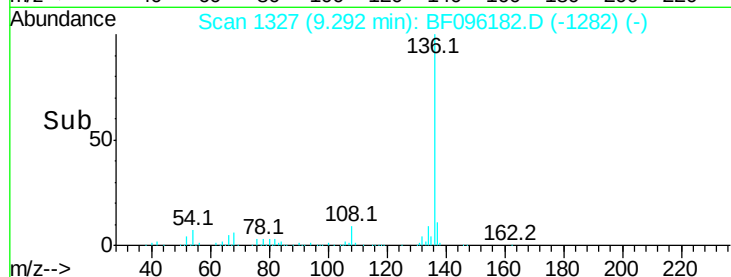


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.97 ng

RT: 8.19 min Scan# 1139

Delta R.T. -0.04 min

Lab File: BF096182.D

Acq: 24 Jun 2017 10:44

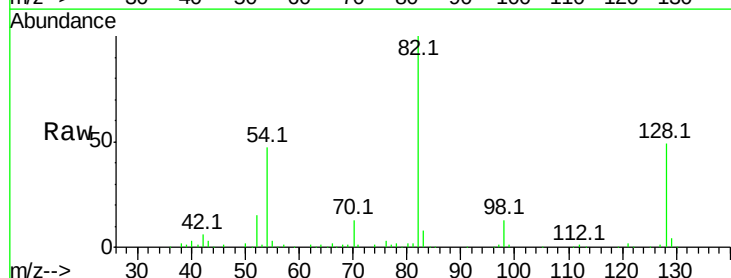
Tgt Ion: 82 Resp: 342005

Ion Ratio Lower Upper

82 100

128 48.8 34.0 51.0

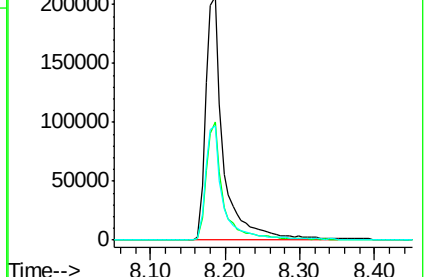
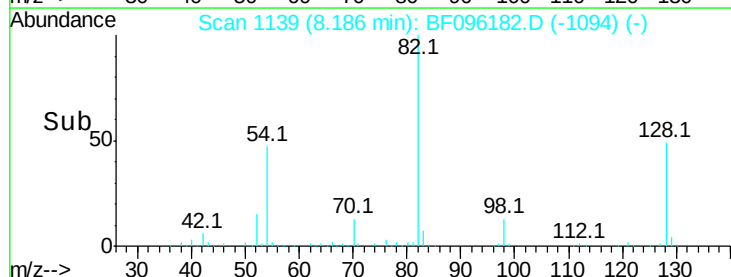
54 46.9 42.2 63.2

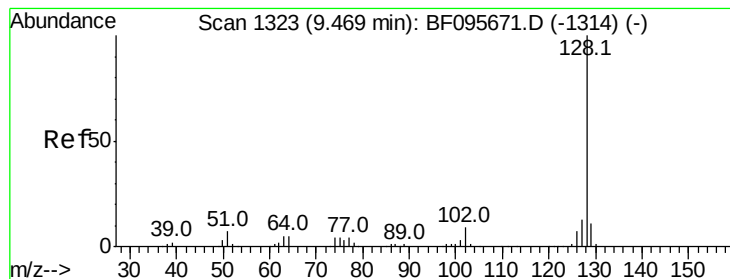


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 2.65 ng

RT: 9.33 min Scan# 1334

Delta R.T. -0.03 min

Lab File: BF096182.D

Acq: 24 Jun 2017 10:44

Instrument :

BNA_F

ClientSampleId :

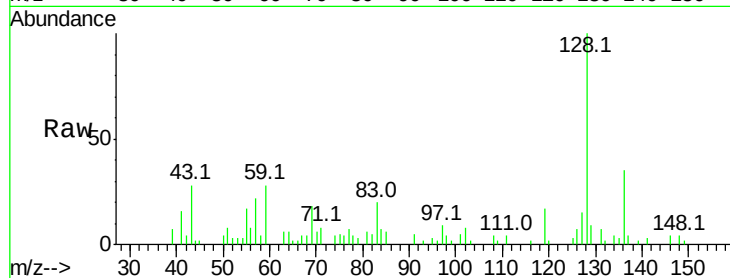
Tot Ion:128 Resp: 34859

Ion Ratio Lower Upper

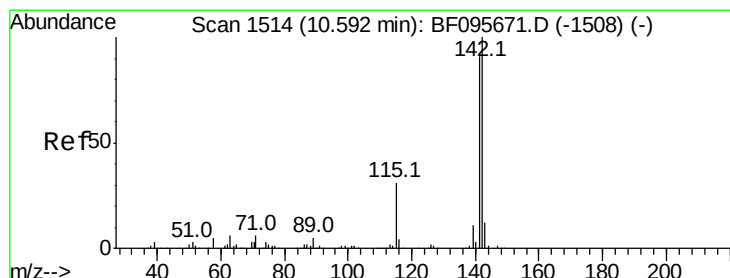
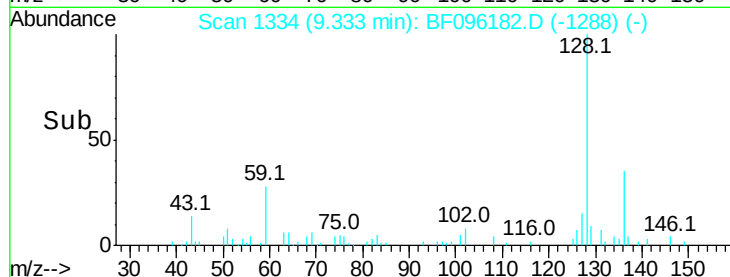
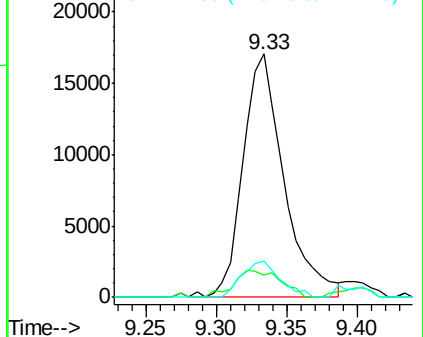
128 100

129 9.3 9.0 13.6

127 14.8 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 2.37 ng

RT: 10.47 min Scan# 1527

Delta R.T. -0.02 min

Lab File: BF096182.D

Acq: 24 Jun 2017 10:44

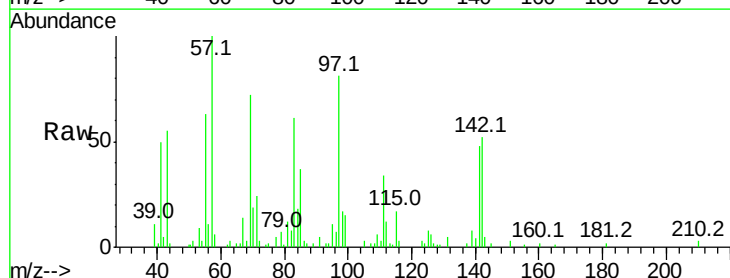
Tgt Ion:142 Resp: 21099

Ion Ratio Lower Upper

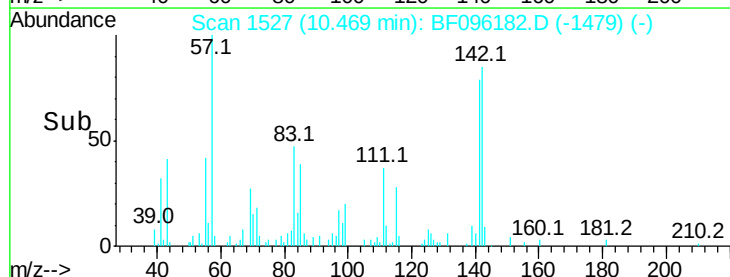
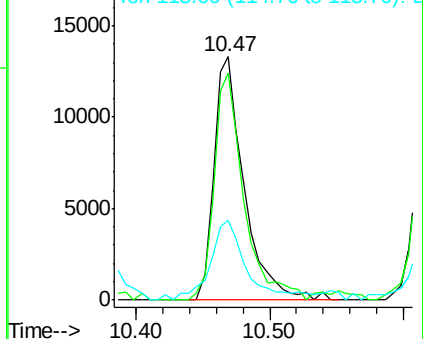
142 100

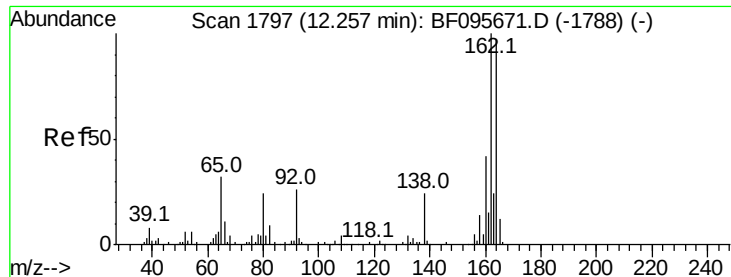
141 93.1 71.3 106.9

115 32.7 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

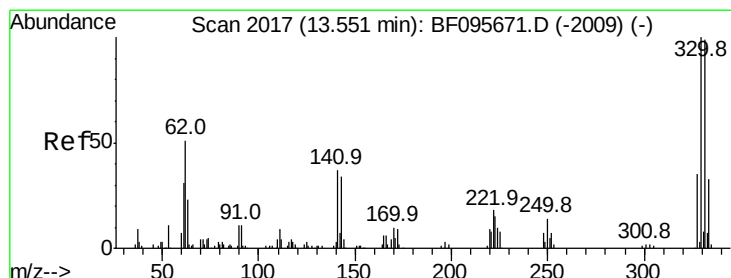
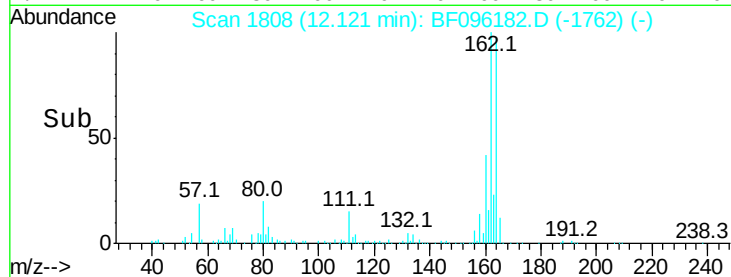
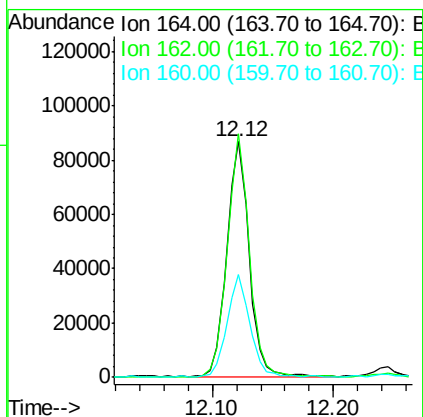
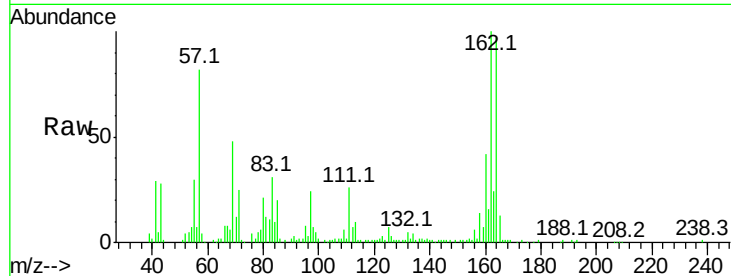




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.12 min Scan# 1808
 Delta R.T. -0.03 min
 Lab File: BF096182.D
 Acq: 24 Jun 2017 10:44

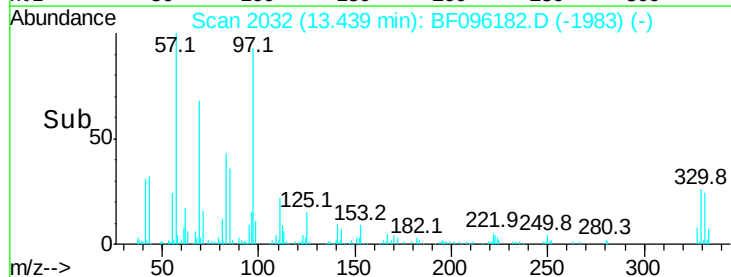
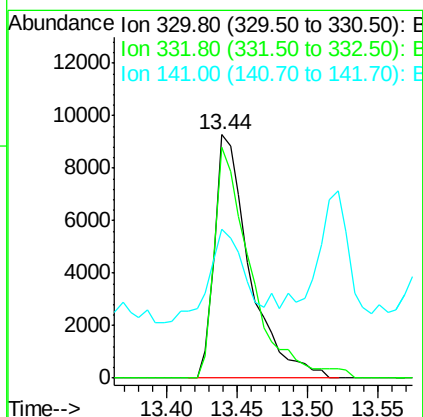
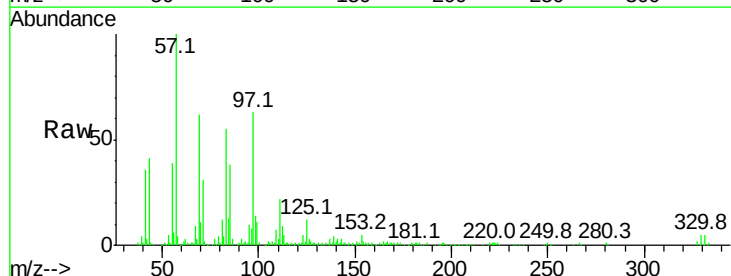
Instrument :
 BNA_F
 ClientSampleId :

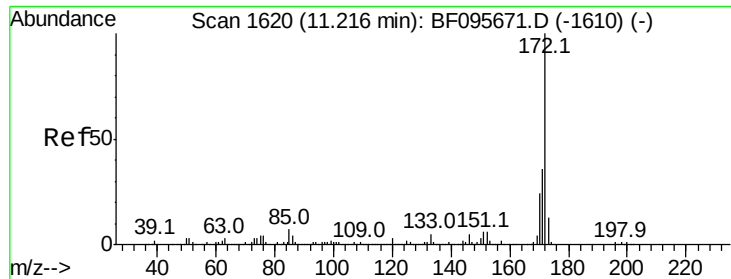
Tot Ion:164 Resp: 113408
 Ion Ratio Lower Upper
 164 100
 162 103.3 82.6 123.8
 160 43.7 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 16.06 ng
 RT: 13.44 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF096182.D
 Acq: 24 Jun 2017 10:44

Tgt Ion:330 Resp: 16119
 Ion Ratio Lower Upper
 330 100
 332 98.7 76.6 115.0
 141 38.9 31.4 47.2

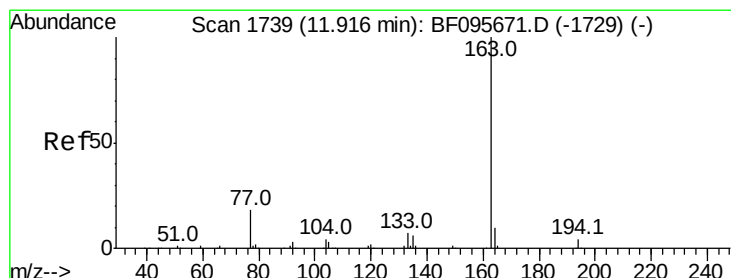
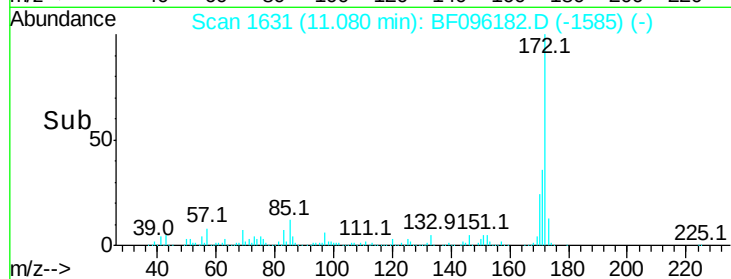
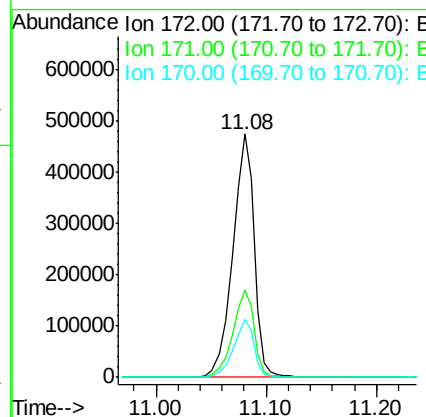
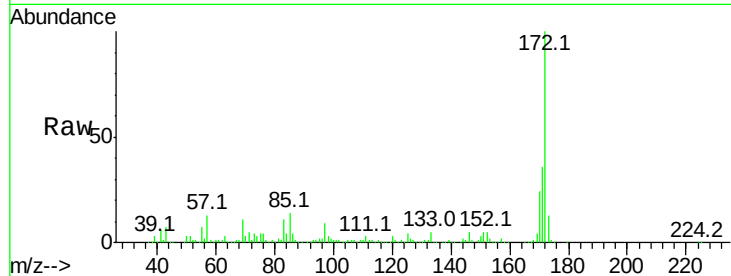




#44
2-Fluorobiphenyl
Concen: 79.28 ng
RT: 11.08 min Scan# 1631
Delta R.T. -0.03 min
Lab File: BF096182.D
Acq: 24 Jun 2017 10:44

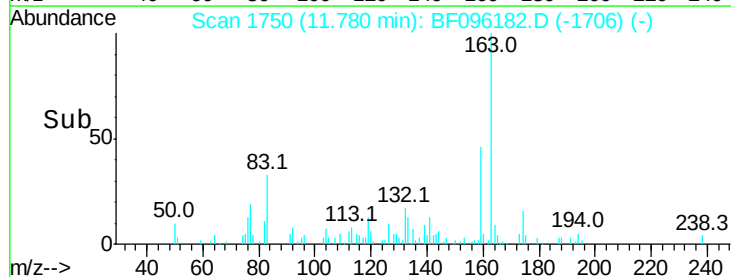
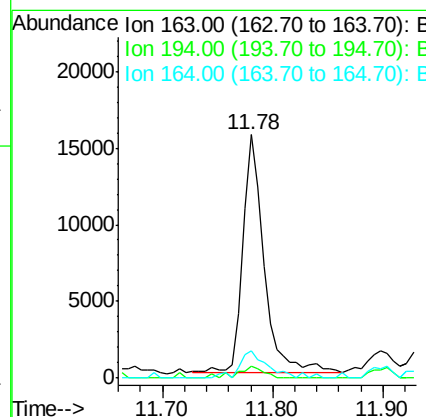
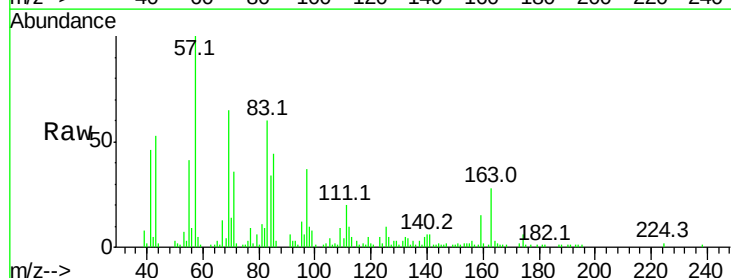
Instrument :
BNA_F
ClientSampleId :

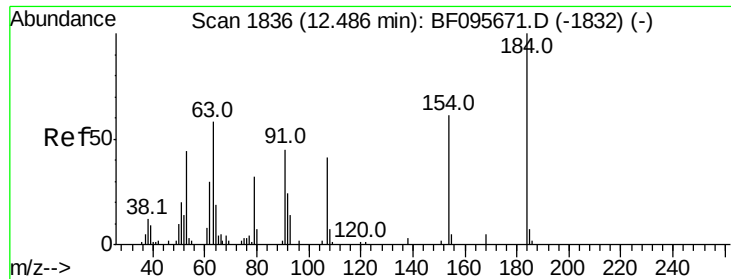
Tot Ion:172 Resp: 646106
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 23.8 19.8 29.8



#49
Dimethylphthalate
Concen: 2.43 ng
RT: 11.78 min Scan# 1750
Delta R.T. -0.04 min
Lab File: BF096182.D
Acq: 24 Jun 2017 10:44

Tgt Ion:163 Resp: 20890
Ion Ratio Lower Upper
163 100
194 4.7 2.6 4.0#
164 11.1 8.4 12.6

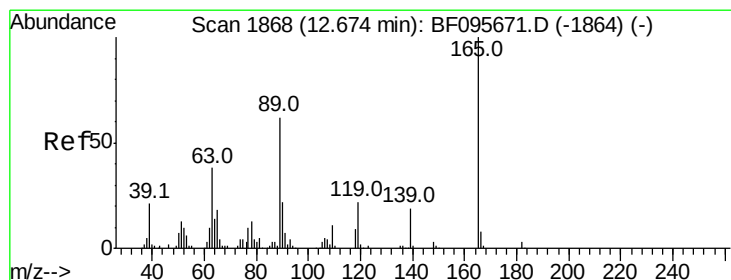
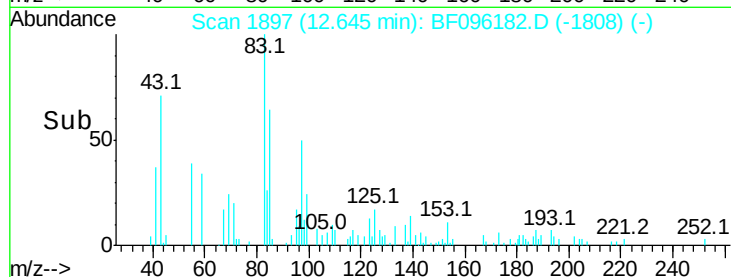
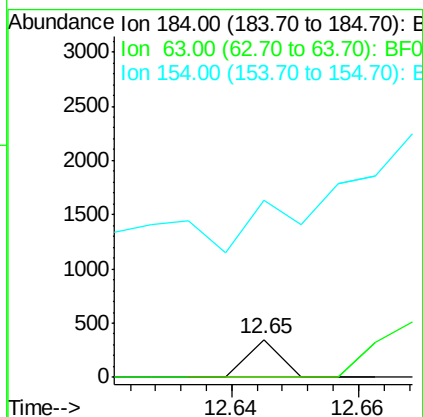
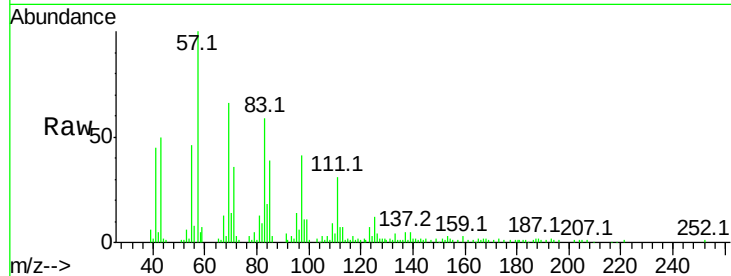




#53
2,4-Dinitrophenol
Concen: 6.58 ng
RT: 12.65 min Scan# 1897
Delta R.T. 0.22 min
Lab File: BF096182.D
Acq: 24 Jun 2017 10:44

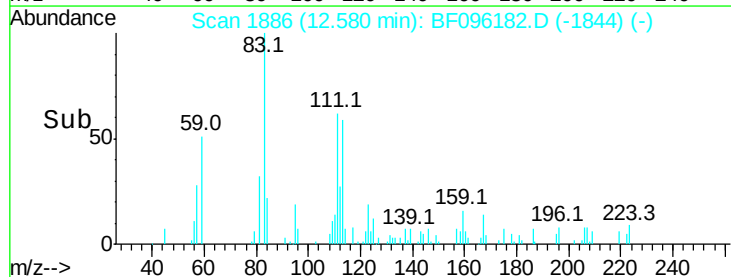
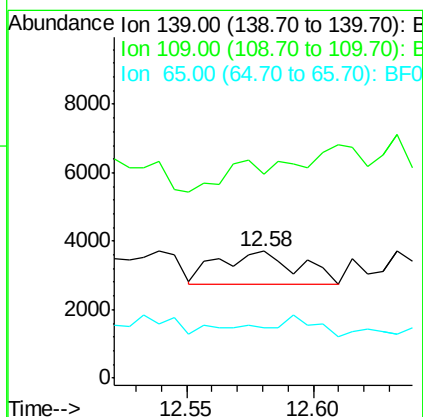
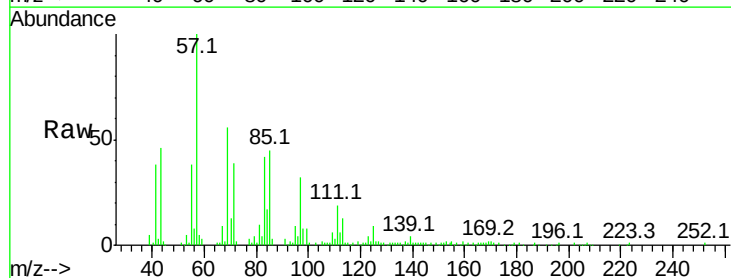
Instrument :
BNA_F
ClientSampled :

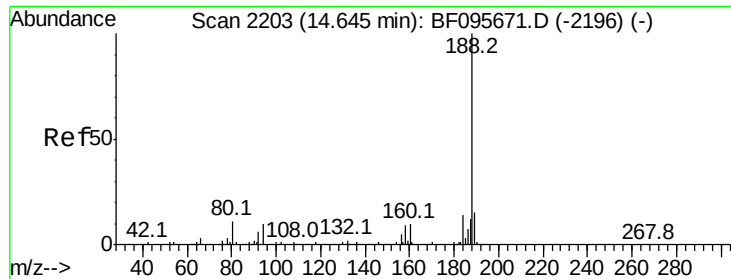
Tot Ion:184 Resp: 123
Ion Ratio Lower Upper
184 100
63 0.0 62.7 94.1#
154 470.4 81.1 121.7#



#55
4-Nitrophenol
Concen: 6.20 ng
RT: 12.58 min Scan# 1886
Delta R.T. -0.05 min
Lab File: BF096182.D
Acq: 24 Jun 2017 10:44

Tgt Ion:139 Resp: 2133
Ion Ratio Lower Upper
139 100
109 160.4 34.1 74.1#
65 39.3 31.4 71.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.53 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BF096182.D

Acq: 24 Jun 2017 10:44

Instrument :

BNA_F

ClientSampleId :

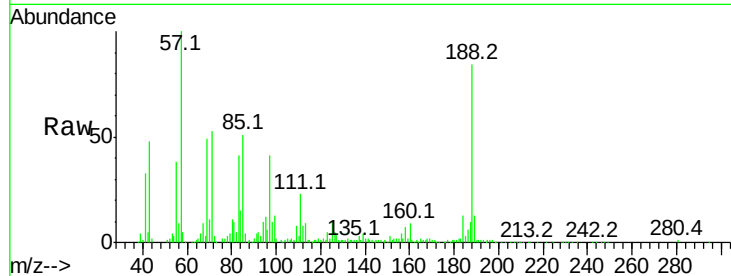
Tot Ion:188 Resp: 162159

Ion Ratio Lower Upper

188 100

94 12.5 9.4 14.2

80 12.9 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

150000

100000

50000

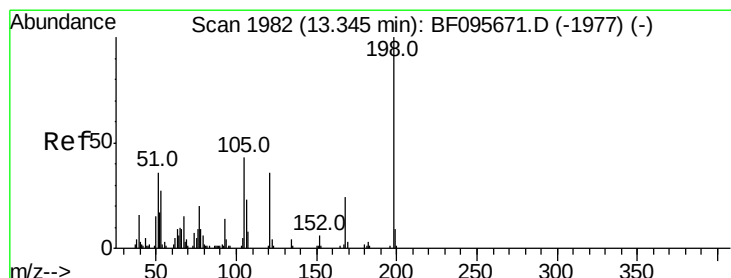
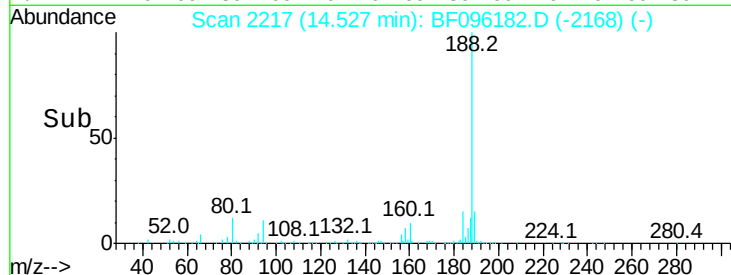
0

14.53

14.50

14.60

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 4.06 ng

RT: 13.10 min Scan# 1974

Delta R.T. -0.16 min

Lab File: BF096182.D

Acq: 24 Jun 2017 10:44

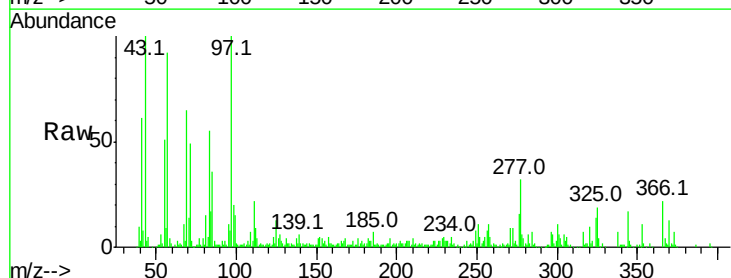
Tgt Ion:198 Resp: 4327

Ion Ratio Lower Upper

198 100

51 56.9 53.2 93.2

105 84.6 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

5000

4000

3000

2000

1000

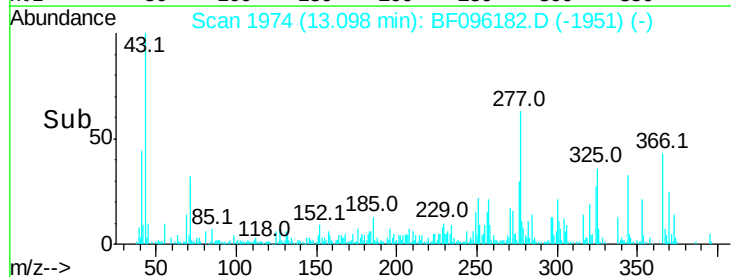
0

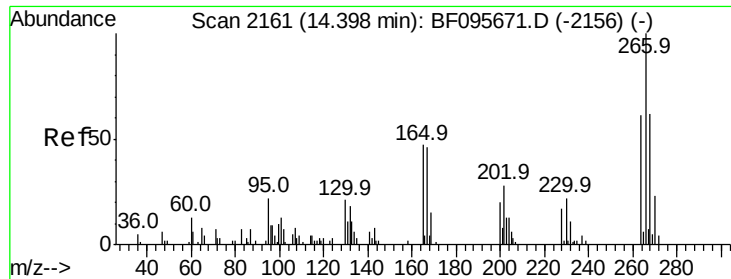
13.10

13.05

13.10

Time-->

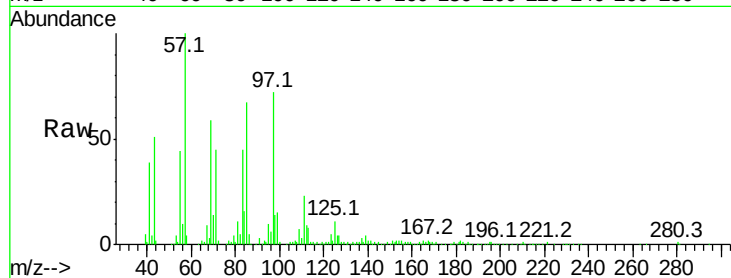




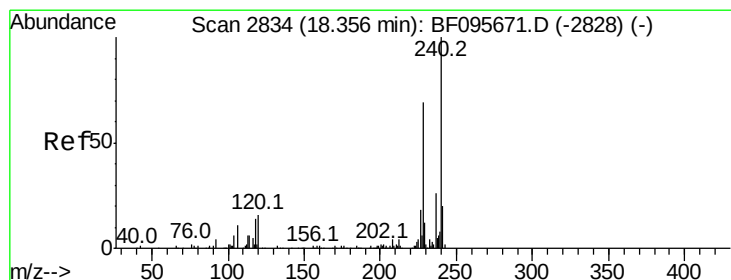
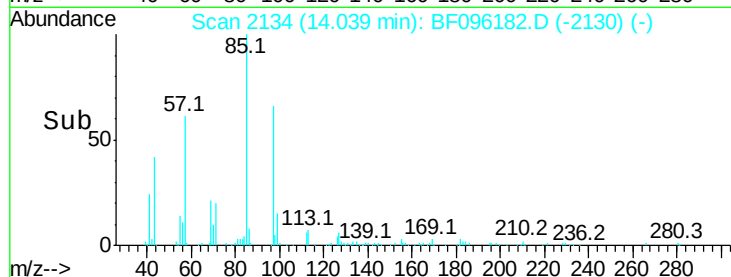
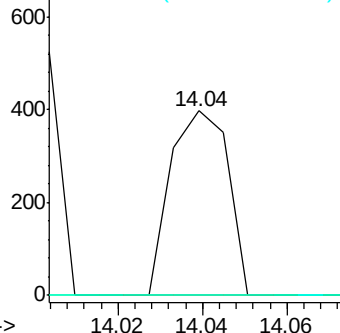
#69
 Pentachlorophenol
 Concen: 7.15 ng
 RT: 14.04 min Scan# 2134
 Delta R.T. -0.28 min
 Lab File: BF096182.D
 Acq: 24 Jun 2017 10:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:266 Resp: 376
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.1 76.7#
 264 0.0 51.7 77.5#

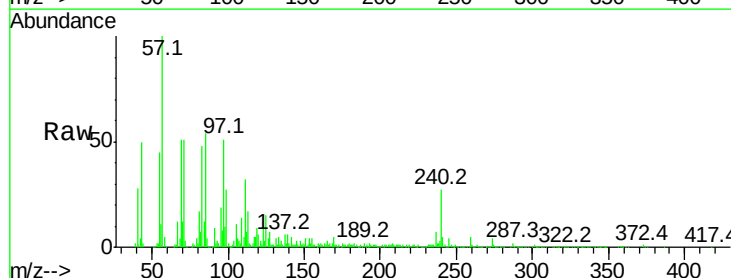


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

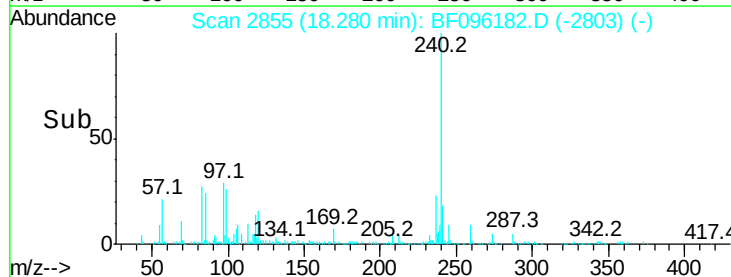
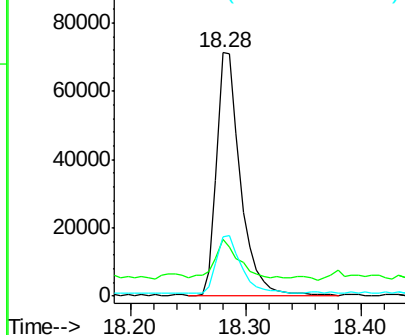


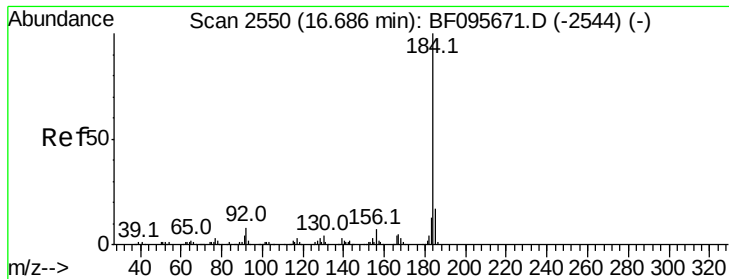
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.28 min Scan# 2855
 Delta R.T. 0.01 min
 Lab File: BF096182.D
 Acq: 24 Jun 2017 10:44

Tgt Ion:240 Resp: 103190
 Ion Ratio Lower Upper
 240 100
 120 23.2 5.8 8.8#
 236 24.6 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





#76

Benzidine

Concen: 2.11 ng

RT: 16.62 min Scan# 2573

Delta R.T. 0.02 min

Lab File: BF096182.D

Acq: 24 Jun 2017 10:44

Instrument :

BNA_F

ClientSampled :

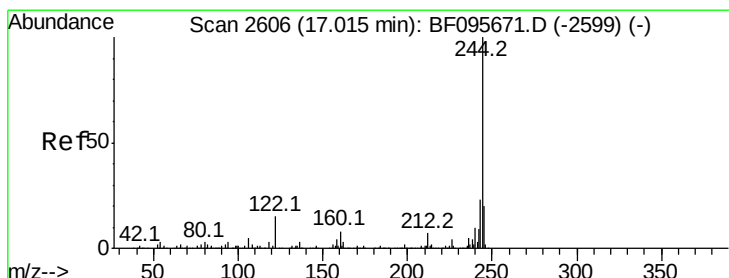
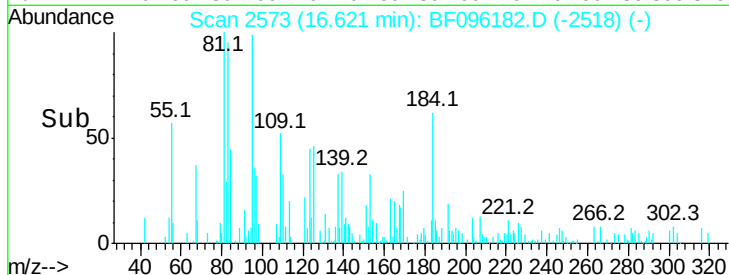
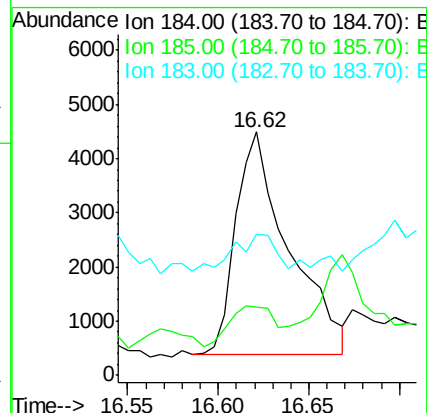
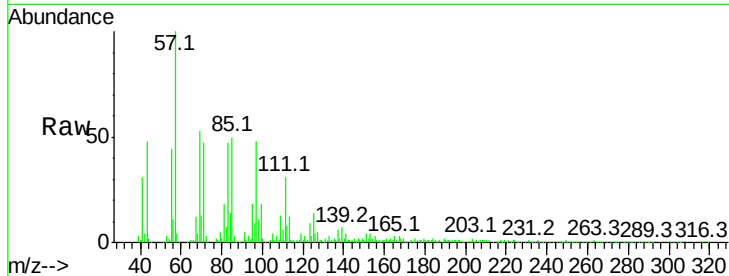
Tot Ion:184 Resp: 8351

Ion Ratio Lower Upper

184 100

185 28.0 15.5 23.3#

183 58.1 9.8 14.6#



#78

Terphenyl-d14

Concen: 86.33 ng

RT: 16.92 min Scan# 2624

Delta R.T. -0.01 min

Lab File: BF096182.D

Acq: 24 Jun 2017 10:44

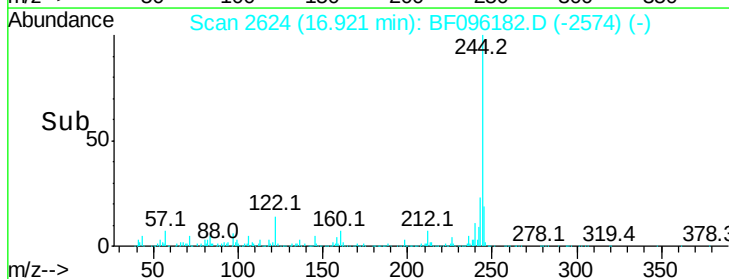
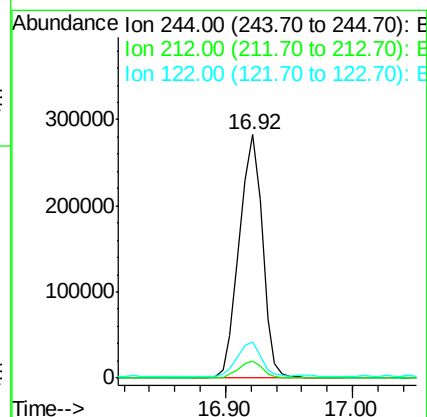
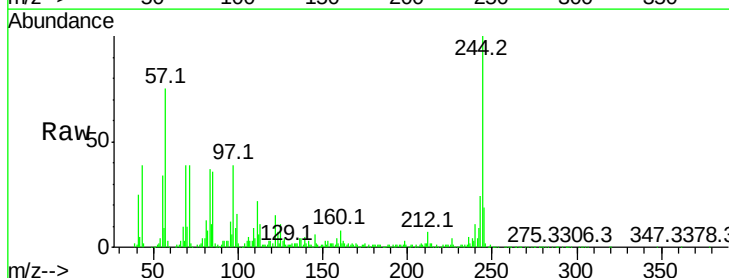
Tgt Ion:244 Resp: 358958

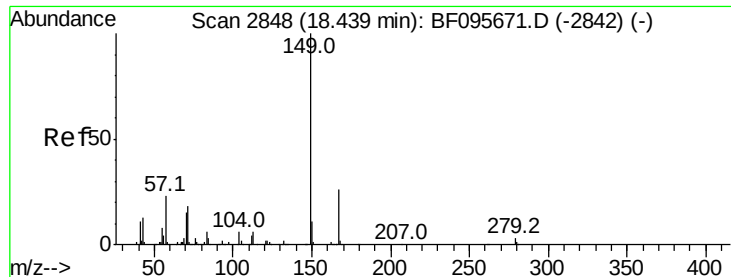
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 15.1 10.3 15.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.13 ng

RT: 18.35 min Scan# 2867

Delta R.T. 0.01 min

Lab File: BF096182.D

Acq: 24 Jun 2017 10:44

Instrument :

BNA_F

ClientSampleId :

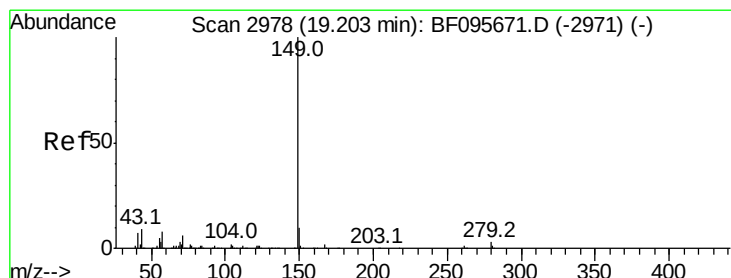
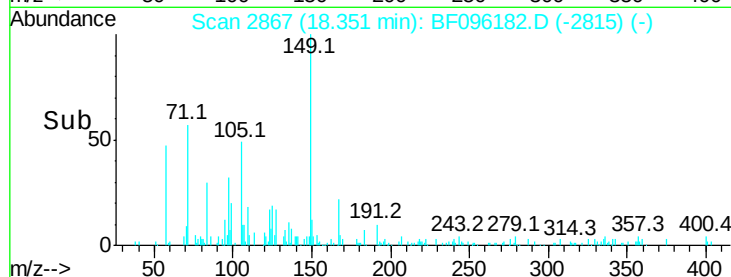
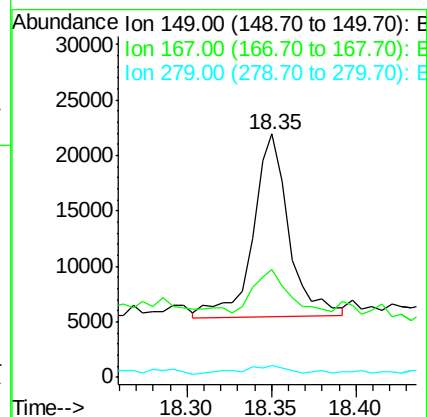
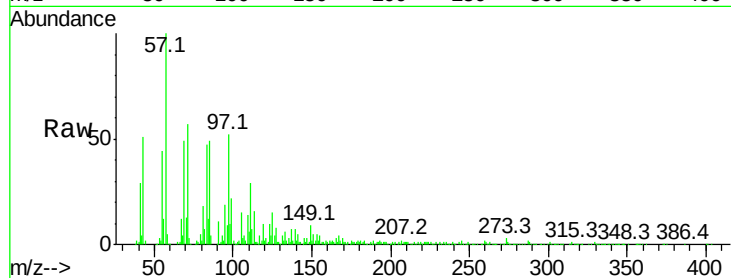
Tot Ion:149 Resp: 24312

Ion Ratio Lower Upper

149 100

167 44.5 21.0 31.4#

279 4.7 1.9 2.9#



#84

Di-n-octyl phthalate

Concen: 6.31 ng

RT: 19.13 min Scan# 3000

Delta R.T. 0.02 min

Lab File: BF096182.D

Acq: 24 Jun 2017 10:44

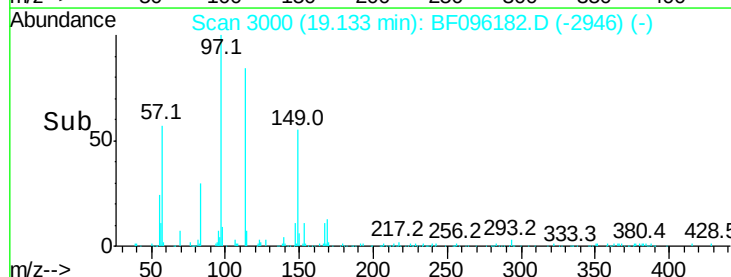
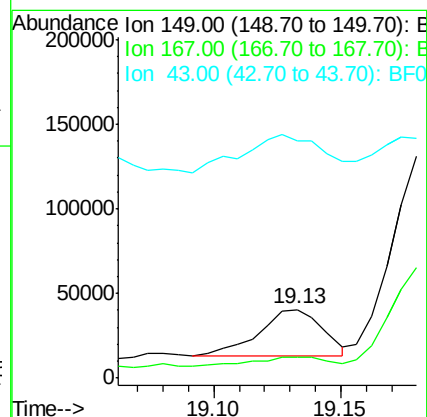
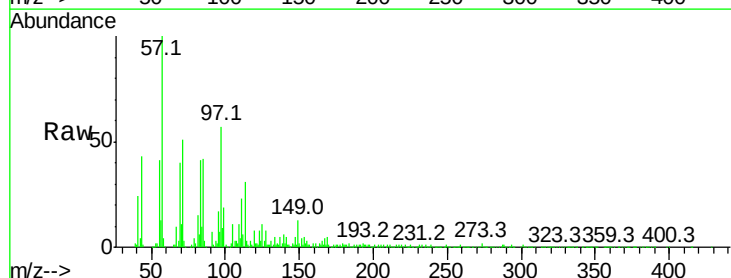
Tgt Ion:149 Resp: 49312

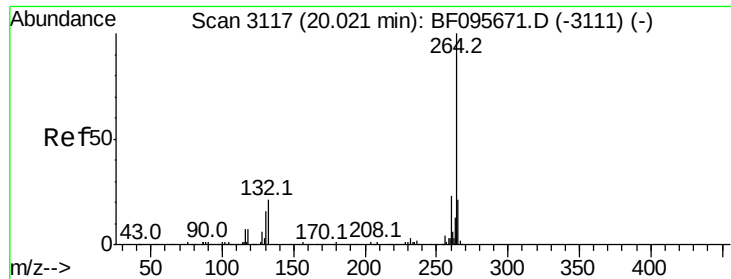
Ion Ratio Lower Upper

149 100

167 20.0 1.2 1.8#

43 101.6 8.5 12.7#



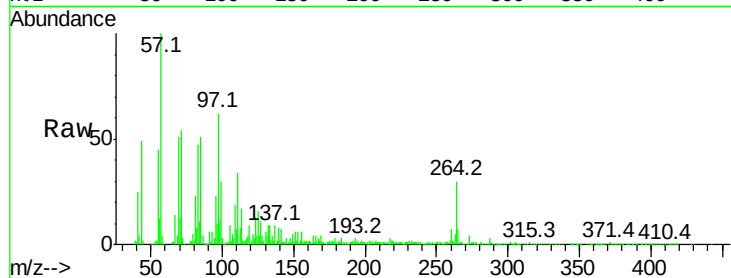


#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.97 min Scan# 3142
Delta R.T. 0.03 min
Lab File: BF096182.D
Acq: 24 Jun 2017 10:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 264 Resp: 100741

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.9	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

