

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060117\
 Data File : BF095603.D
 Acq On : 1 Jun 2017 19:41
 Operator : SJ/MA
 Sample : I3361-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 02 01:25:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 18:51:16 2017
 Response via : Initial Calibration

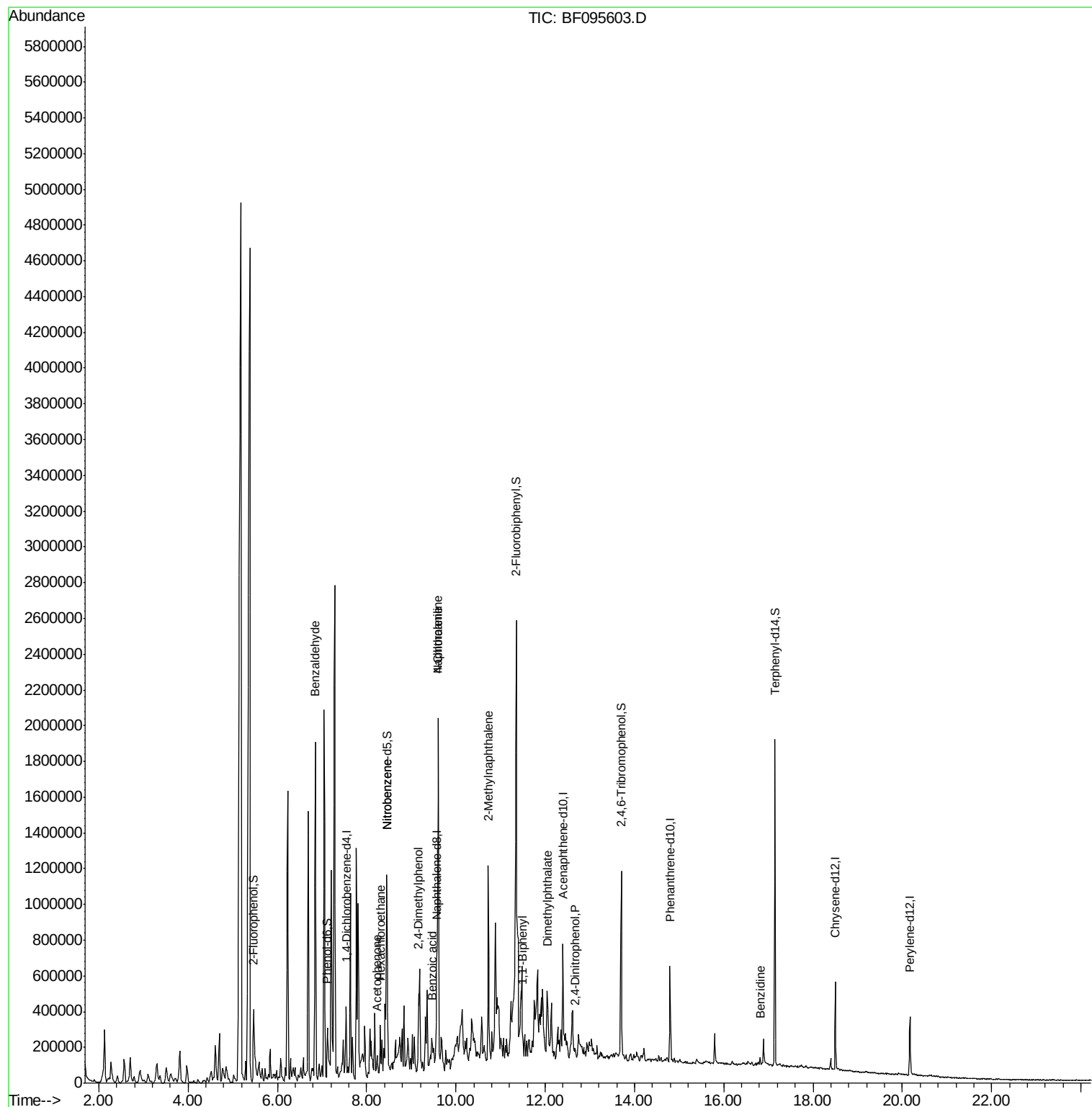
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	76507	20.00	ng	0.00
21) Naphthalene-d8	9.57	136	315597	20.00	ng	0.00
38) Acenaphthene-d10	12.40	164	162167	20.00	ng	0.00
63) Phenanthrene-d10	14.80	188	272814	20.00	ng	0.00
75) Chrysene-d12	18.50	240	217390	20.00	ng	0.00
86) Perylene-d12	20.17	264	148926	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	301957	65.80	ng	0.02
7) Phenol-d6	7.12	99	285019	51.77	ng	0.02
23) Nitrobenzene-d5	8.45	82	468380	93.59	ng	-0.01
41) 2,4,6-Tribromophenol	13.70	330	180482	135.90	ng	0.00
44) 2-Fluorobiphenyl	11.35	172	917302	81.42	ng	0.00
78) Terphenyl-d14	17.15	244	722565	73.21	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.85	77	107419	31.95	ng	# 1
18) Hexachloroethane	8.31	117	11008	5.41	ng	# 1
22) Acetophenone	8.23	105	36059	4.76	ng	# 81
24) Nitrobenzene	8.45	77	21467	4.09	ng	# 46
27) 2,4-Dimethylphenol	9.17	122	25006	5.46	ng	94
31) Naphthalene	9.60	128	1376430	86.78	ng	99
32) Benzoic acid	9.47	122	7565	7.33	ng	# 37
33) 4-Chloroaniline	9.60	127	197294	33.38	ng	# 31
37) 2-Methylnaphthalene	10.73	142	406791	39.08	ng	98
45) 1,1'-Biphenyl	11.50	154	40528	2.97	ng	96
49) Dimethylphthalate	12.04	163	35226	2.65	ng	# 40
53) 2,4-Dinitrophenol	12.68	184	149	6.34	ng	# 1
76) Benzidine	16.83	184	112	6.61	ng	# 1

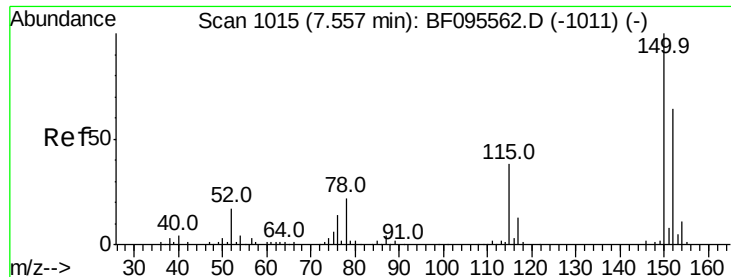
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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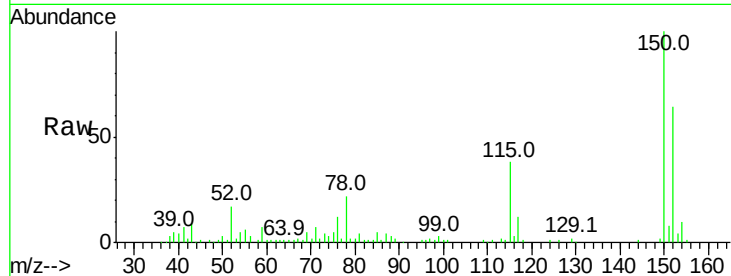


#1

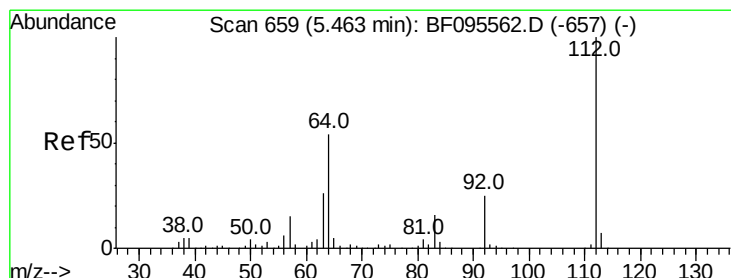
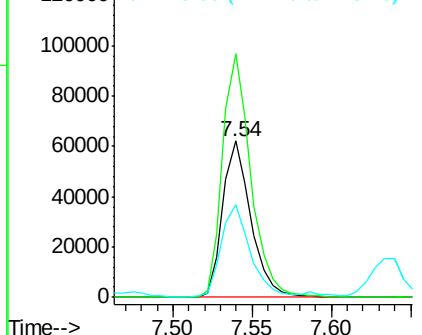
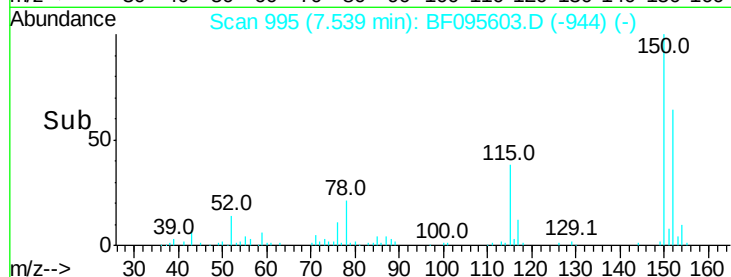
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.54 min Scan# 995
Delta R.T. -0.00 min
Lab File: BF095603.D
Acq: 1 Jun 2017 19:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 76507
Ion Ratio Lower Upper
152 100
150 155.7 126.2 189.2
115 59.3 52.2 78.2



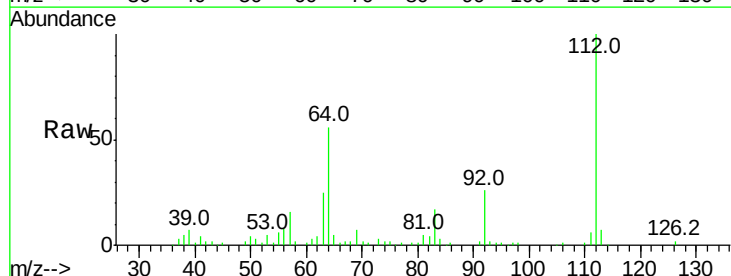
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



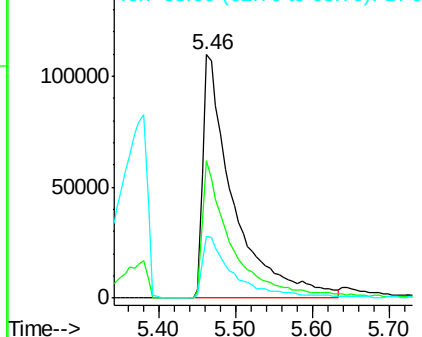
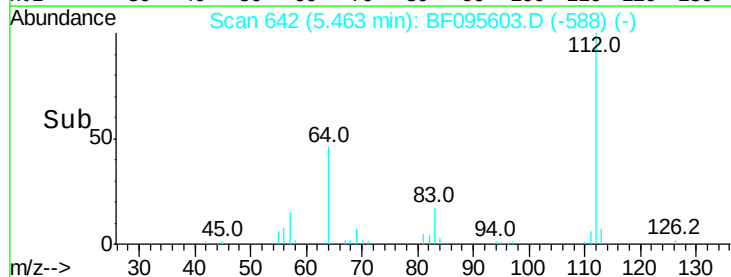
#5

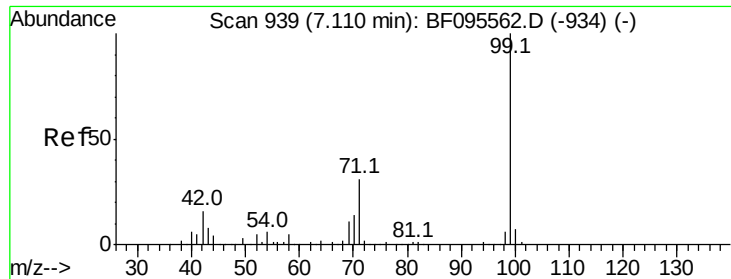
2-Fluorophenol
Concen: 65.80 ng
RT: 5.46 min Scan# 642
Delta R.T. 0.02 min
Lab File: BF095603.D
Acq: 1 Jun 2017 19:41

Tgt Ion:112 Resp: 301957
Ion Ratio Lower Upper
112 100
64 56.4 46.0 69.0
63 25.4 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: 51.77 ng

RT: 7.12 min Scan# 923

Delta R.T. 0.02 min

Lab File: BF095603.D

Acq: 1 Jun 2017 19:41

Instrument :

BNA_F

ClientSampled :

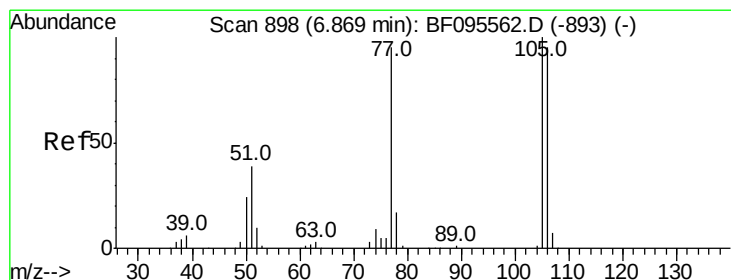
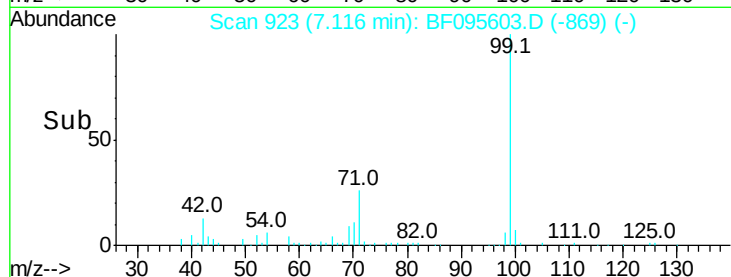
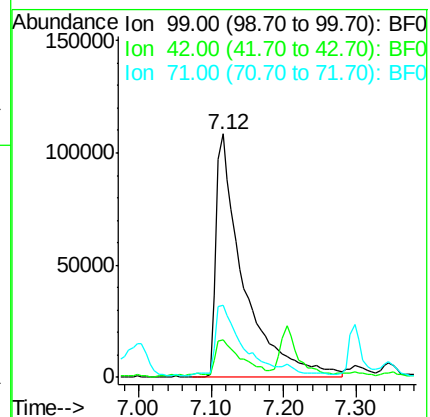
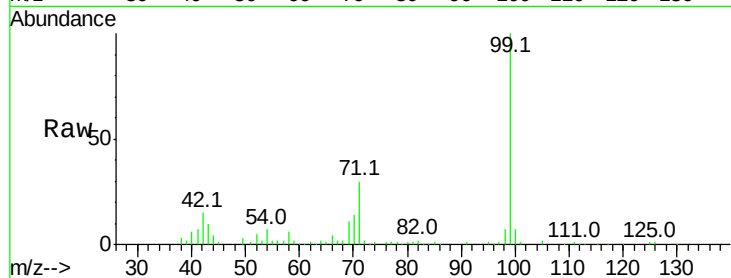
Tot Ion: 99 Resp: 285019

Ion Ratio Lower Upper

99 100

42 15.3 13.5 20.3

71 29.7 24.5 36.7



#9

Benzaldehyde

Concen: 31.95 ng

RT: 6.85 min Scan# 878

Delta R.T. -0.00 min

Lab File: BF095603.D

Acq: 1 Jun 2017 19:41

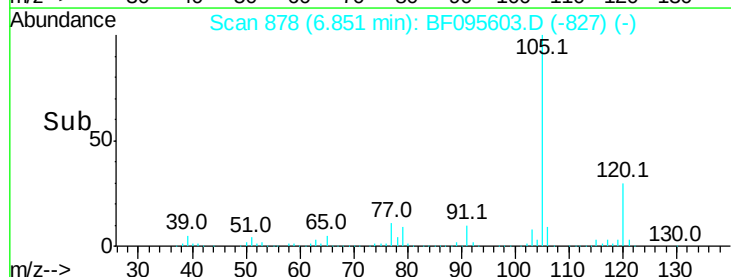
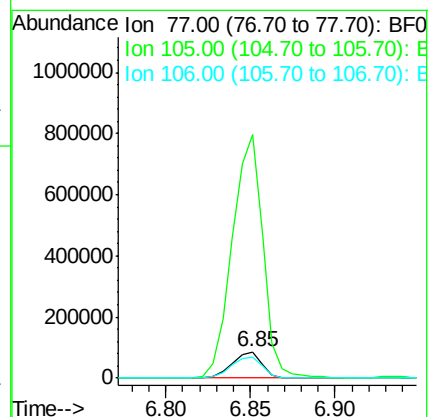
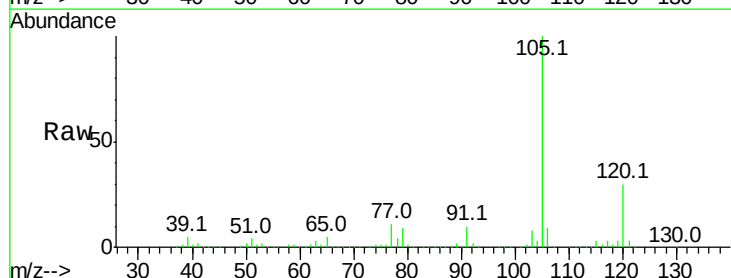
Tgt Ion: 77 Resp: 107419

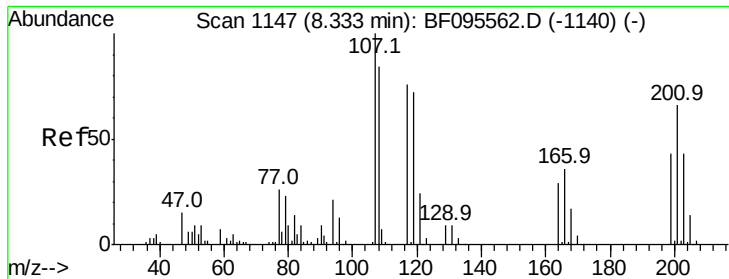
Ion Ratio Lower Upper

77 100

105 915.2 83.8 123.8#

106 80.1 79.1 119.1





#18

Hexachloroethane

Concen: 5.41 ng

RT: 8.31 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BF095603.D

Acq: 1 Jun 2017 19:41

Instrument :

BNA_F

ClientSampled :

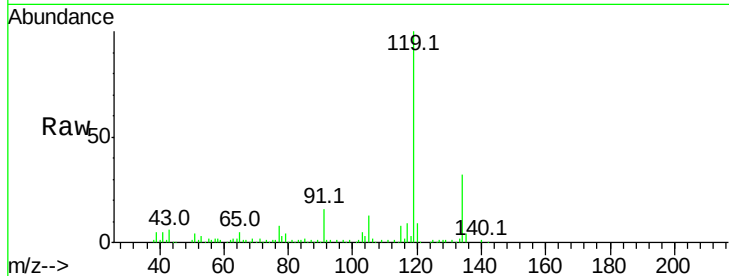
Tot Ion:117 Resp: 11008

Ion Ratio Lower Upper

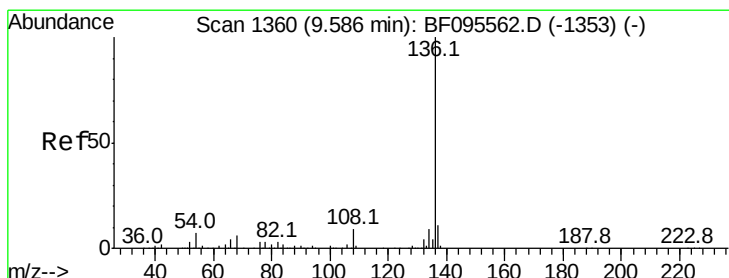
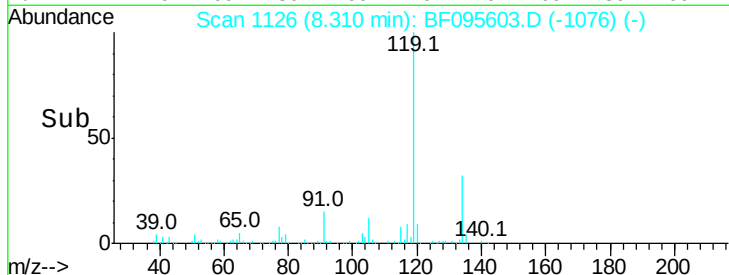
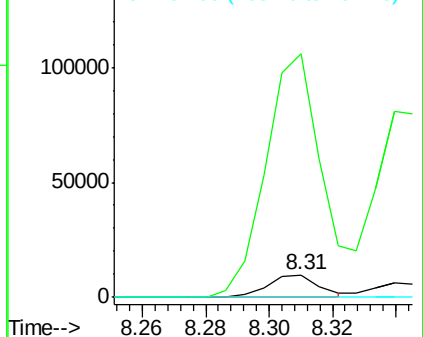
117 100

119 1088.2 77.4 116.0#

201 0.0 94.6 141.8#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.57 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF095603.D

Acq: 1 Jun 2017 19:41

Tgt Ion:136 Resp: 315597

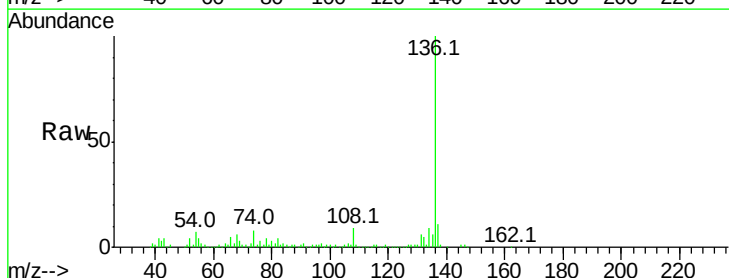
Ion Ratio Lower Upper

136 100

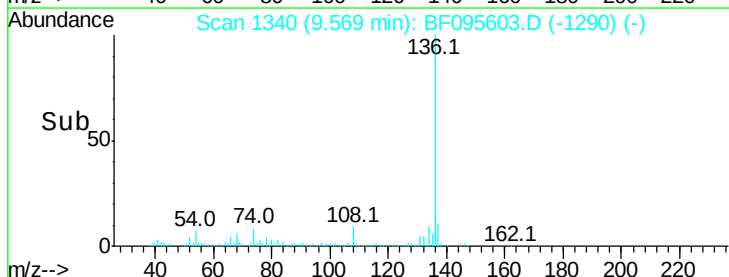
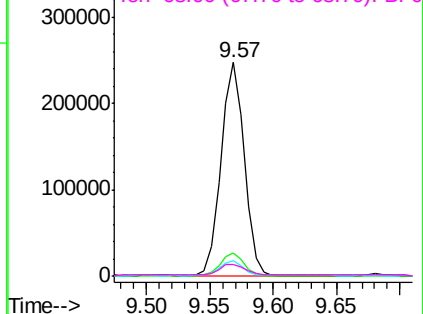
137 11.1 8.5 12.7

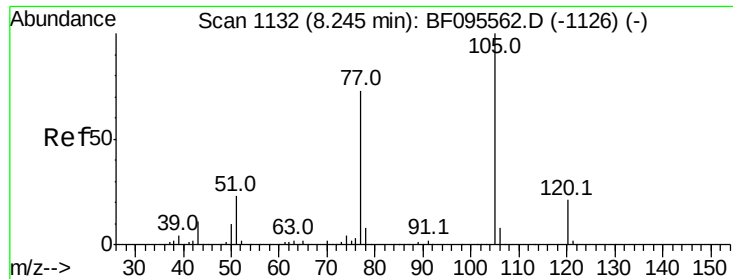
54 7.1 4.9 7.3

68 5.7 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

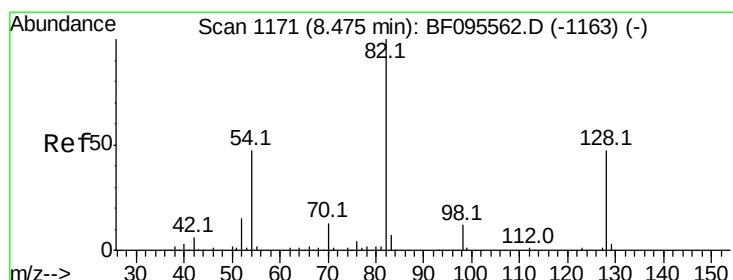
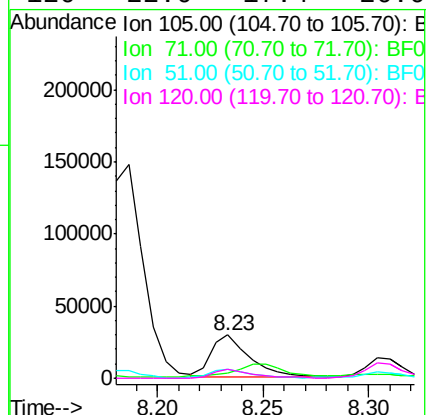
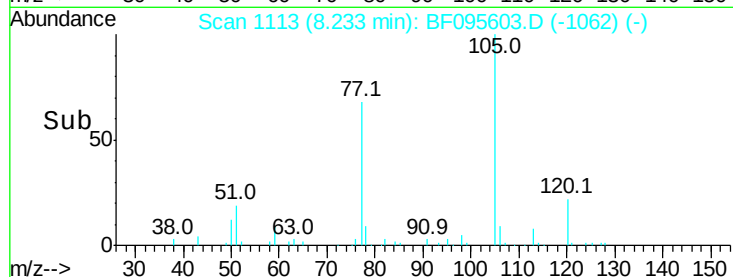
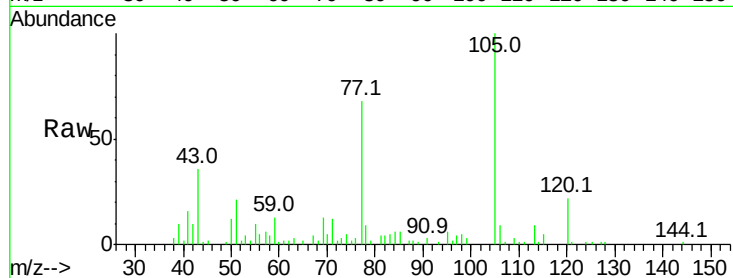




#22
Acetophenone
Concen: 4.76 ng
RT: 8.23 min Scan# 1113
Delta R.T. -0.00 min
Lab File: BF095603.D
Acq: 1 Jun 2017 19:41

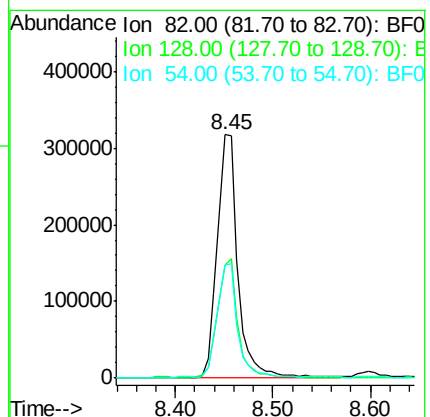
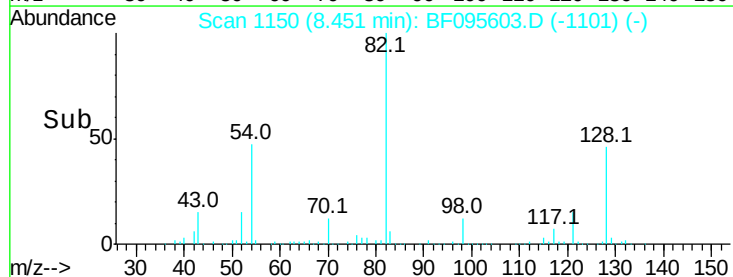
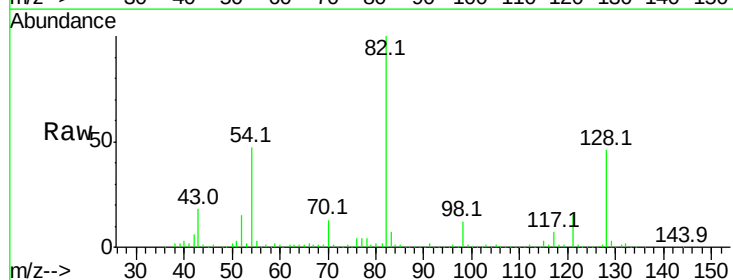
Instrument :
BNA_F
ClientSampleId :

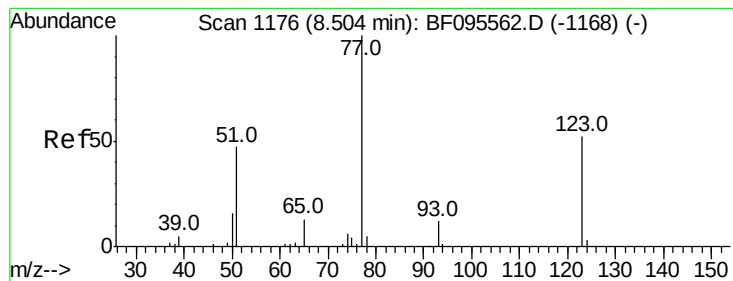
Tot Ion:105 Resp: 36059
Ion Ratio Lower Upper
105 100
71 12.1 2.8 4.2#
51 20.6 30.7 46.1#
120 22.0 17.4 26.0



#23
Nitrobenzene-d5
Concen: 93.59 ng
RT: 8.45 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF095603.D
Acq: 1 Jun 2017 19:41

Tgt Ion: 82 Resp: 468380
Ion Ratio Lower Upper
82 100
128 46.2 34.0 51.0
54 46.6 42.2 63.2





#24

Nitrobenzene

Concen: 4.09 ng

RT: 8.45 min Scan# 1150

Delta R.T. -0.04 min

Lab File: BF095603.D

Acq: 1 Jun 2017 19:41

Instrument :

BNA_F

ClientSampleId :

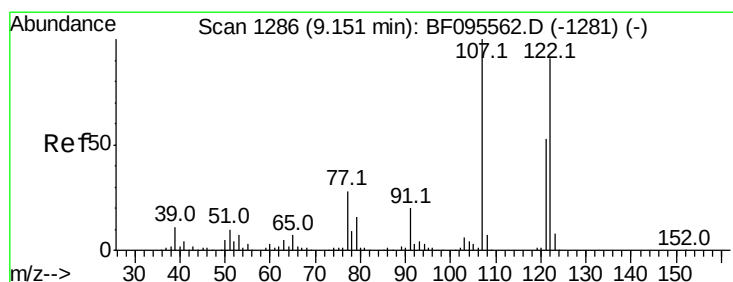
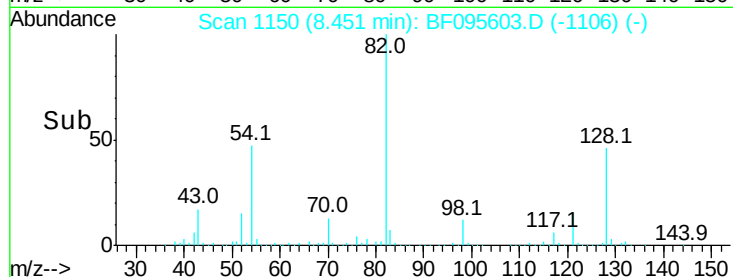
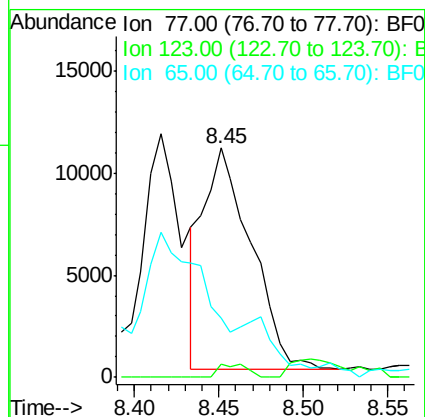
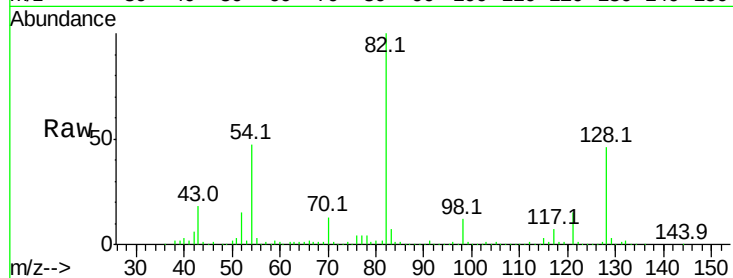
Tot Ion: 77 Resp: 21467

Ion Ratio Lower Upper

77 100

123 5.6 35.8 53.8#

65 26.0 10.6 15.8#



#27

2,4-Dimethylphenol

Concen: 5.46 ng

RT: 9.17 min Scan# 1272

Delta R.T. 0.03 min

Lab File: BF095603.D

Acq: 1 Jun 2017 19:41

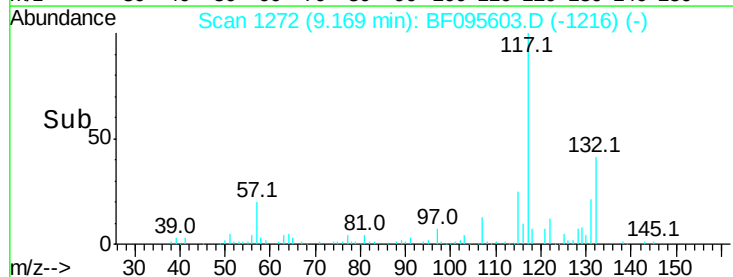
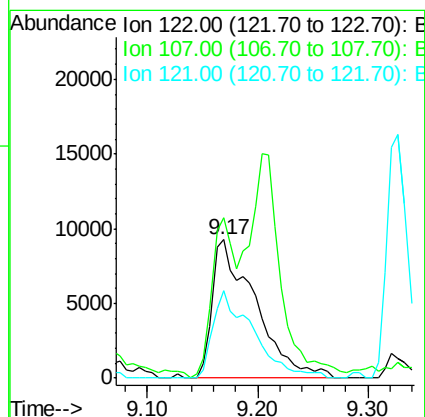
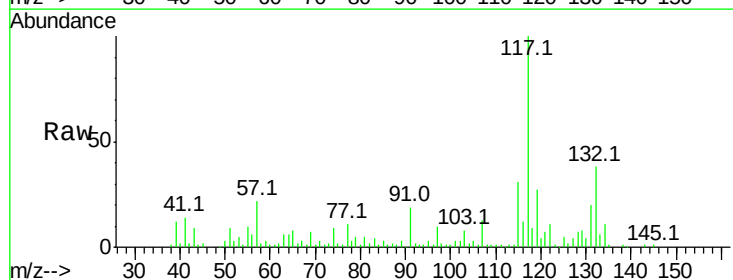
Tgt Ion:122 Resp: 25006

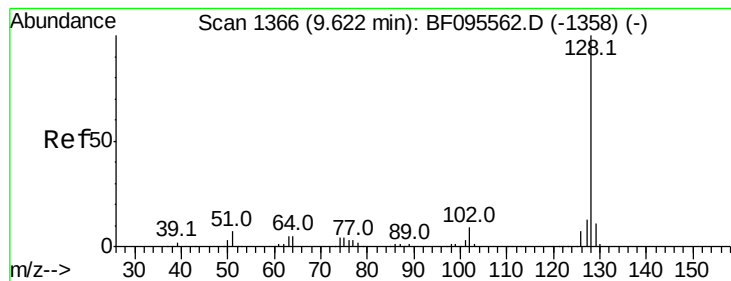
Ion Ratio Lower Upper

122 100

107 116.5 89.2 133.8

121 62.9 45.2 67.8





#31

Naphthalene

Concen: 86.78 ng

RT: 9.60 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BF095603.D

Acq: 1 Jun 2017 19:41

Instrument :

BNA_F

ClientSampleId :

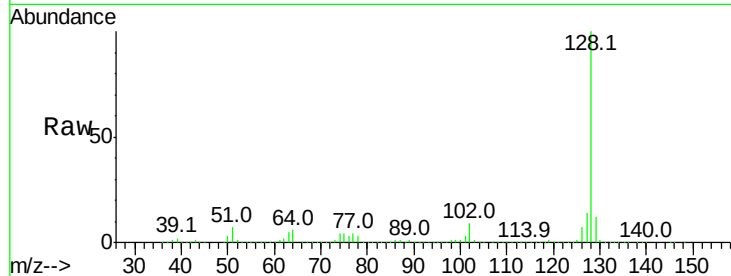
Tot Ion:128 Resp: 1376430

Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.6

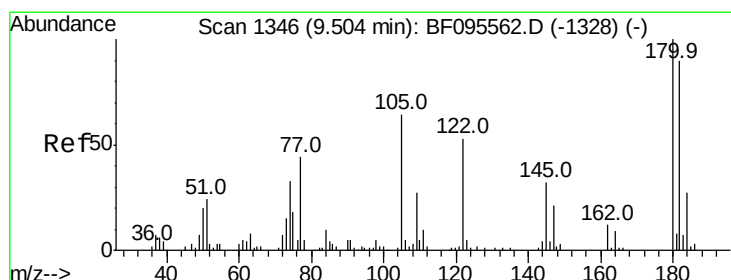
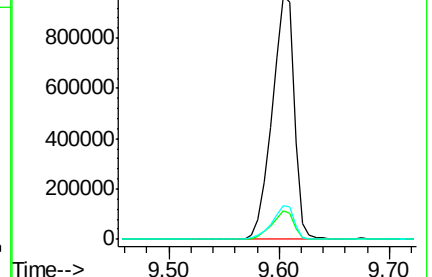
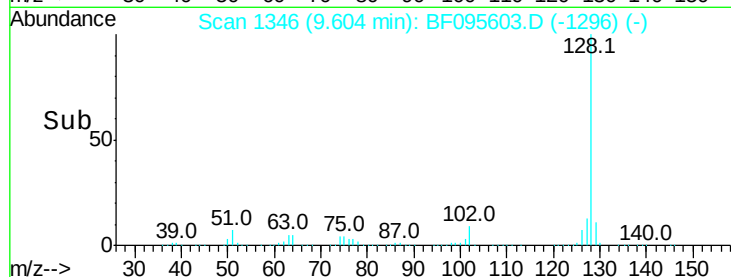
127 13.6 10.8 16.2



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



#32

Benzoic acid

Concen: 7.33 ng

RT: 9.47 min Scan# 1324

Delta R.T. -0.04 min

Lab File: BF095603.D

Acq: 1 Jun 2017 19:41

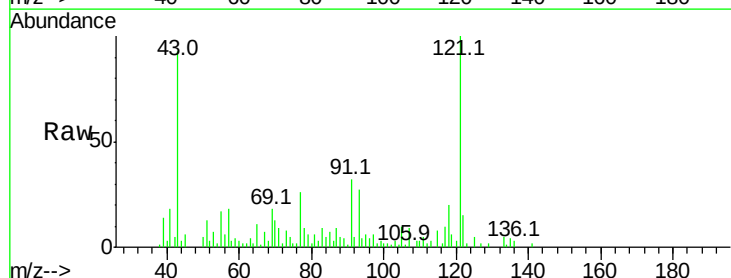
Tgt Ion:122 Resp: 7565

Ion Ratio Lower Upper

122 100

105 71.3 103.3 143.3#

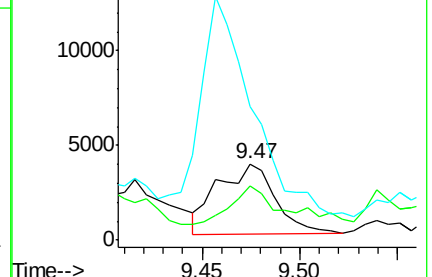
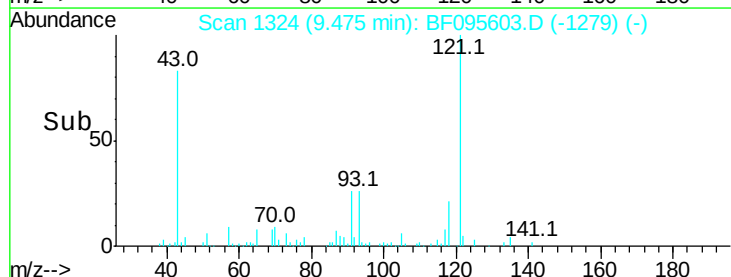
77 174.8 73.7 113.7#

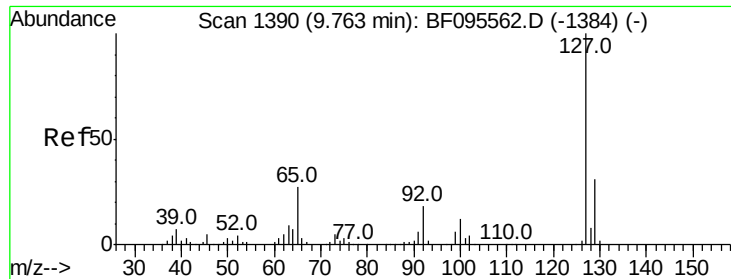


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

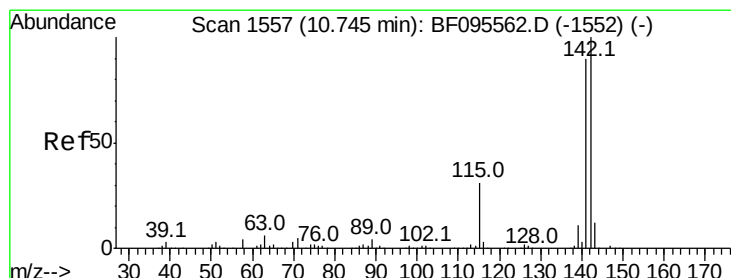
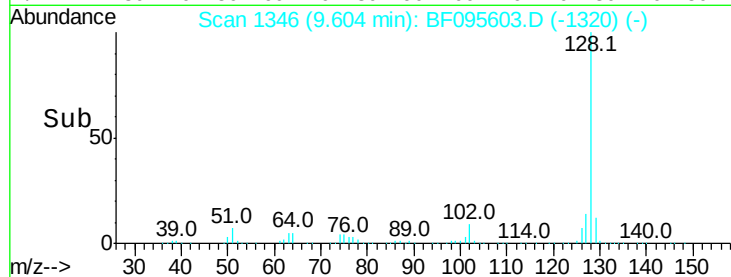
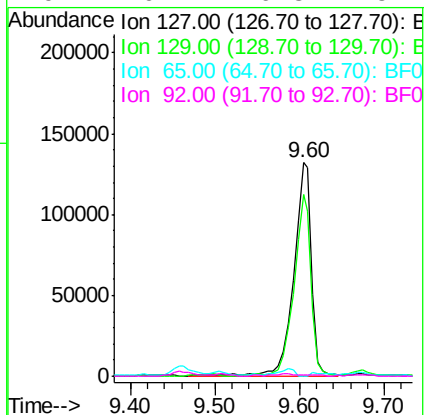
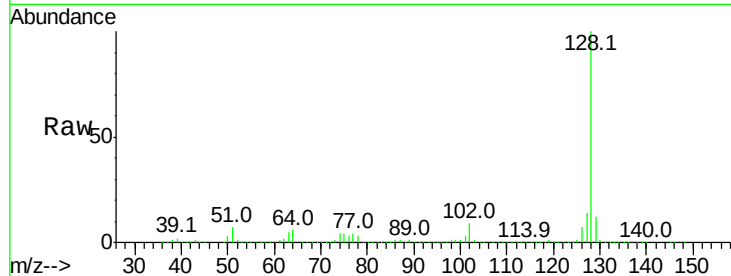




#33
4-Chloroaniline
Concen: 33.38 ng
RT: 9.60 min Scan# 1346
Delta R.T. -0.15 min
Lab File: BF095603.D
Acq: 1 Jun 2017 19:41

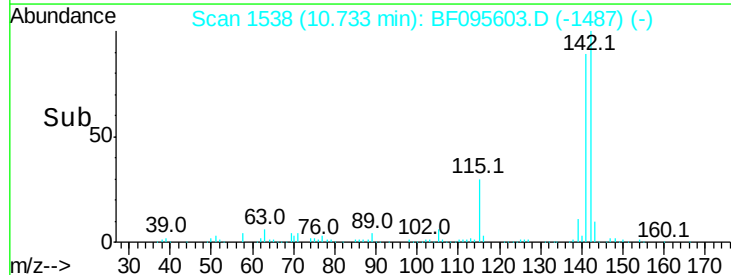
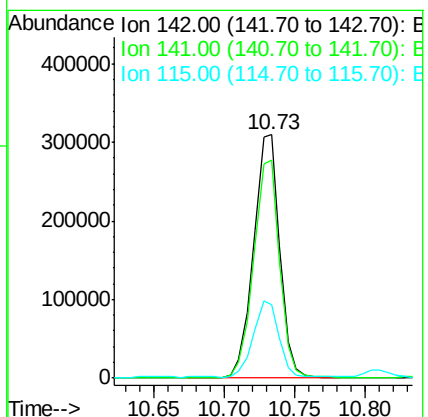
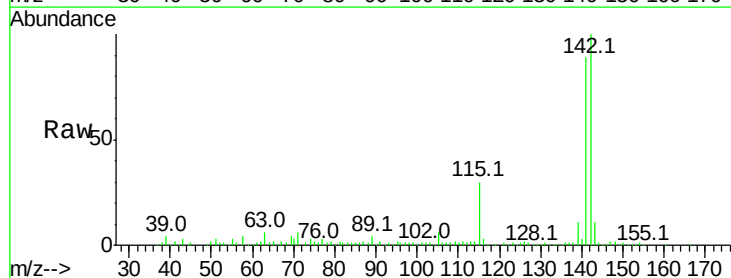
Instrument :
BNA_F
ClientSampleId :

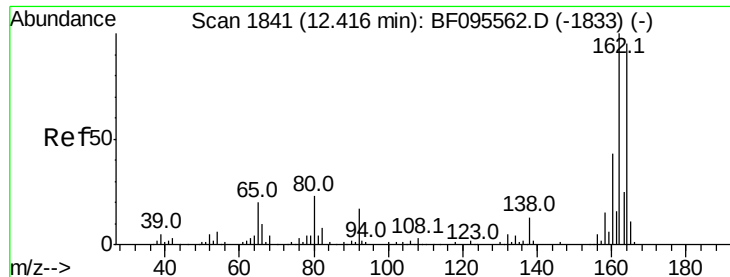
Tot Ion:	127	Resp:	197294
Ion	Ratio	Lower	Upper
127	100		
129	85.3	26.2	39.2#
65	0.0	27.8	41.8#
92	0.4	16.8	25.2#



#37
2-Methylnaphthalene
Concen: 39.08 ng
RT: 10.73 min Scan# 1538
Delta R.T. -0.00 min
Lab File: BF095603.D
Acq: 1 Jun 2017 19:41

Tgt Ion:	142	Resp:	406791
Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.3	106.9
115	30.1	27.1	40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.40 min Scan# 1821

Delta R.T. -0.00 min

Lab File: BF095603.D

Acq: 1 Jun 2017 19:41

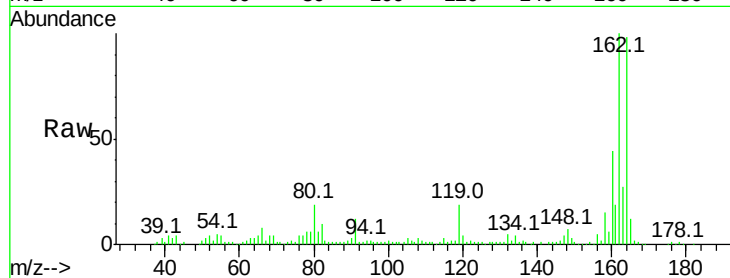
Instrument :

BNA_F

ClientSampleId :

Tot Ion:164 Resp: 162167

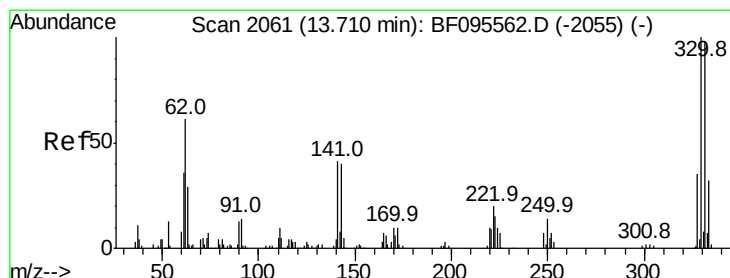
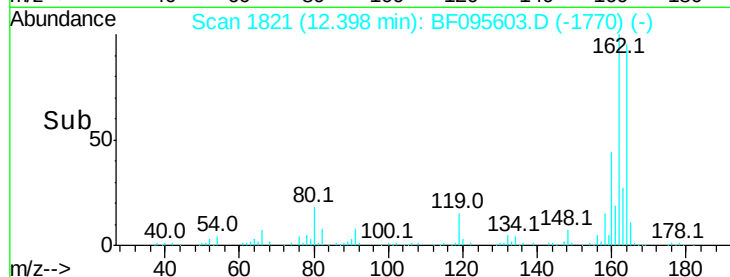
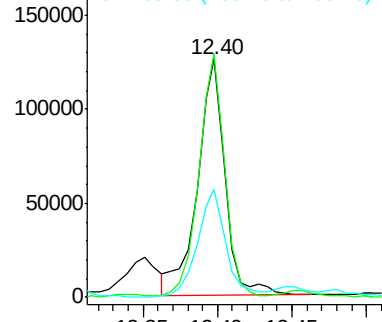
Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.6	123.8
160	45.3	36.2	54.2



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: 135.90 ng

RT: 13.70 min Scan# 2043

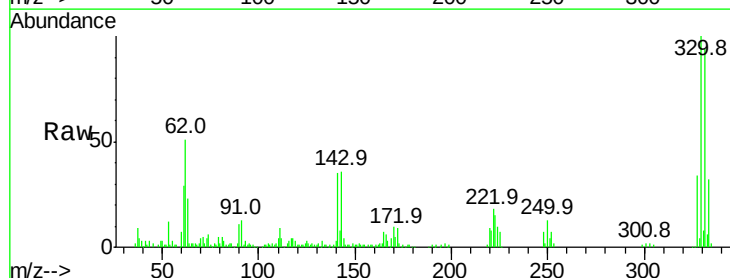
Delta R.T. 0.01 min

Lab File: BF095603.D

Acq: 1 Jun 2017 19:41

Tgt Ion:330 Resp: 180482

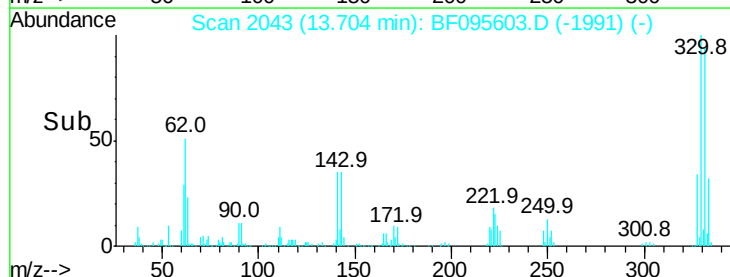
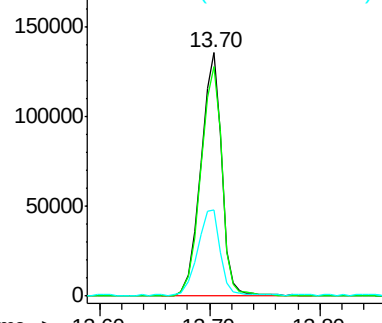
Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	37.9	31.4	47.2

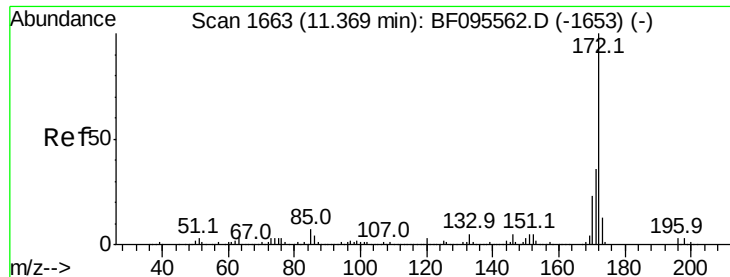


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

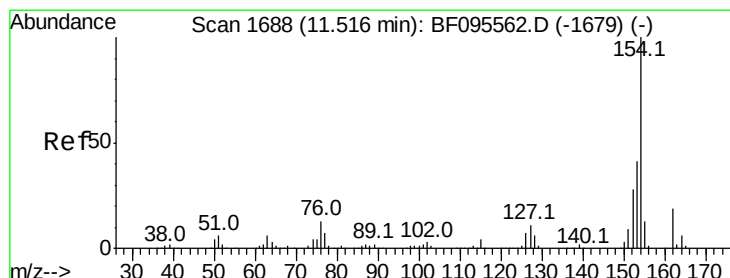
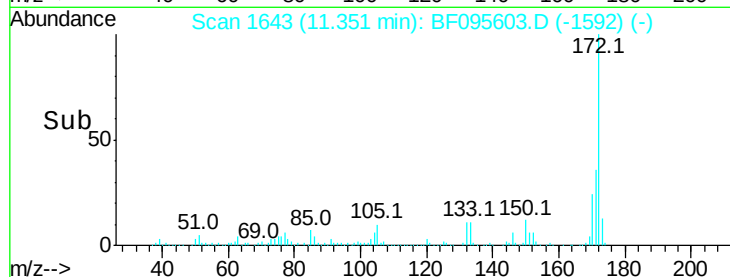
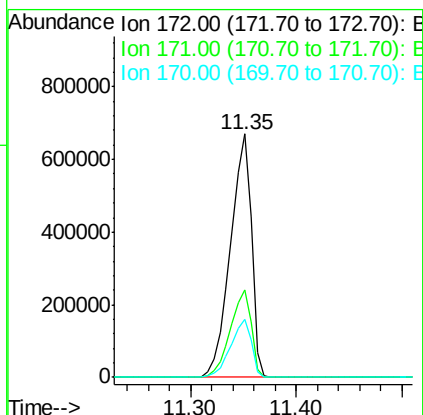
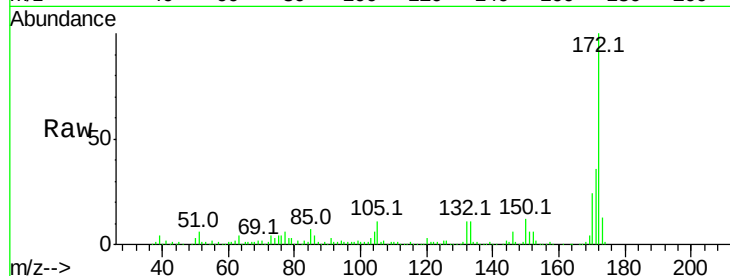




#44
2-Fluorobiphenyl
Concen: 81.42 ng
RT: 11.35 min Scan# 1643
Delta R.T. -0.00 min
Lab File: BF095603.D
Acq: 1 Jun 2017 19:41

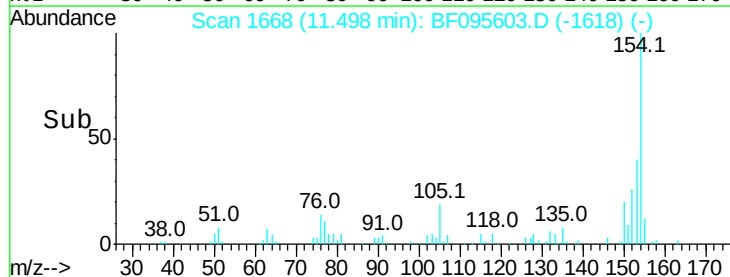
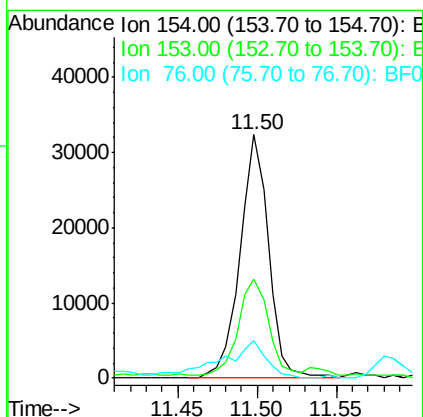
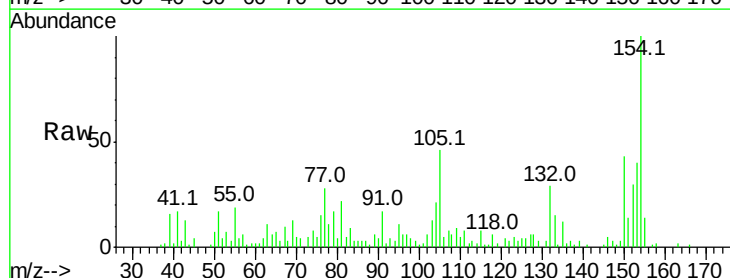
Instrument :
BNA_F
ClientSampleId :

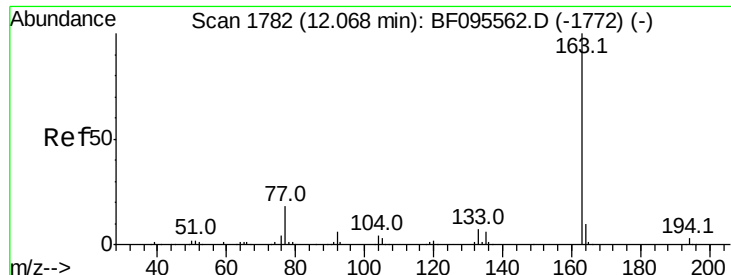
Tot Ion:172 Resp: 917302
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 23.8 19.8 29.8



#45
1,1'-Biphenyl
Concen: 2.97 ng
RT: 11.50 min Scan# 1668
Delta R.T. -0.01 min
Lab File: BF095603.D
Acq: 1 Jun 2017 19:41

Tgt Ion:154 Resp: 40528
Ion Ratio Lower Upper
154 100
153 40.4 21.2 61.2
76 15.2 0.0 29.9

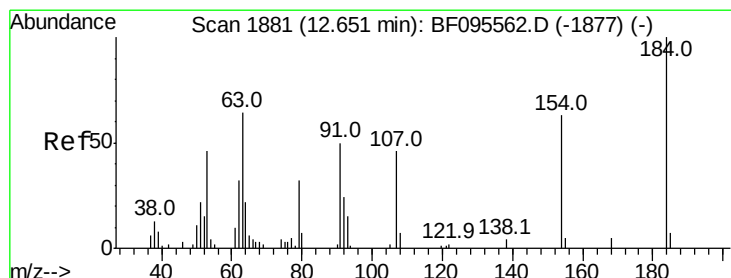
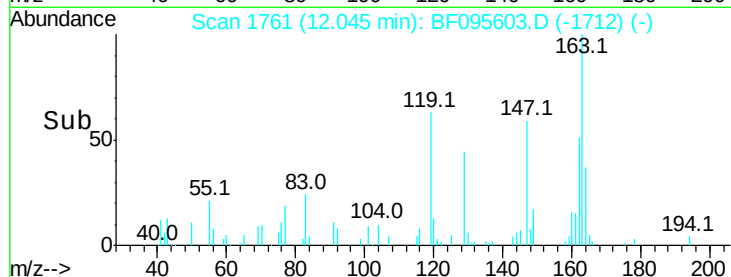
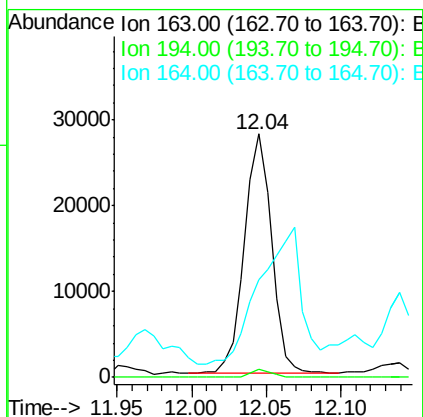
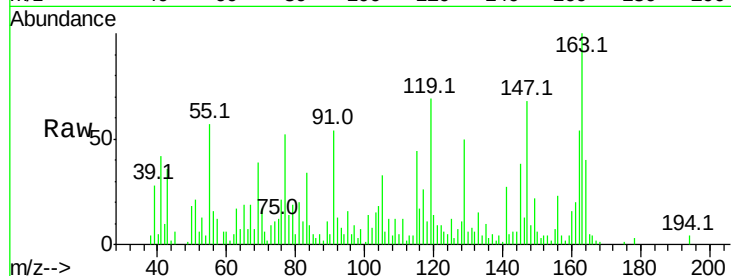




#49
Dimethylphthalate
Concen: 2.65 ng
RT: 12.04 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF095603.D
Acq: 1 Jun 2017 19:41

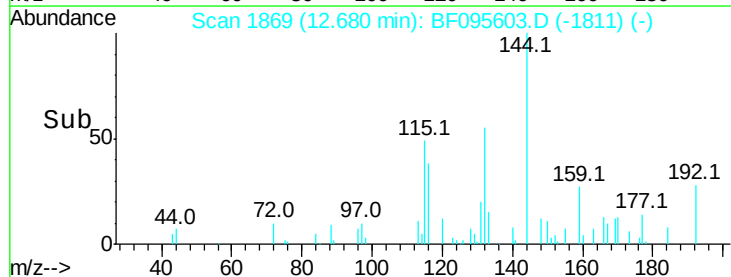
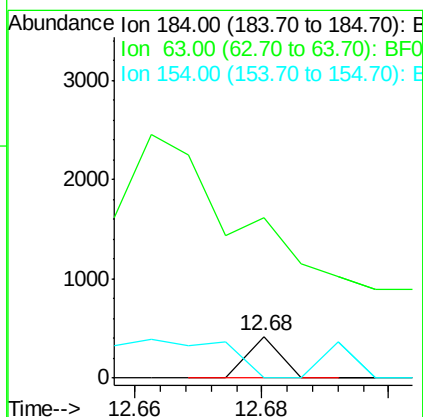
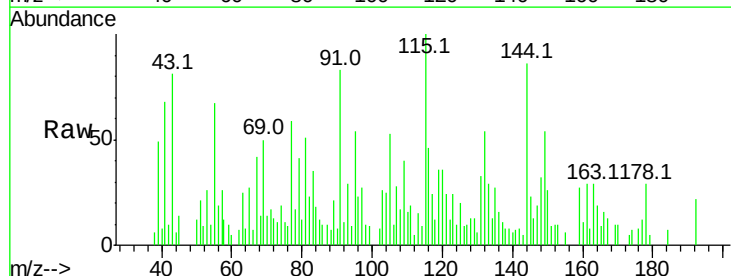
Instrument :
BNA_F
ClientSampleId :

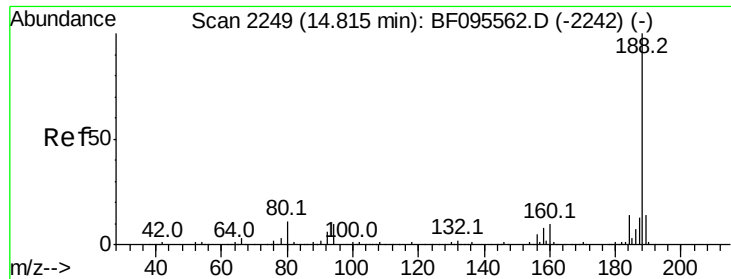
Tot Ion:163 Resp: 35226
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 40.2 8.4 12.6#



#53
2,4-Dinitrophenol
Concen: 6.34 ng
RT: 12.68 min Scan# 1869
Delta R.T. 0.04 min
Lab File: BF095603.D
Acq: 1 Jun 2017 19:41

Tgt Ion:184 Resp: 149
Ion Ratio Lower Upper
184 100
63 384.1 62.7 94.1#
154 0.0 81.1 121.7#

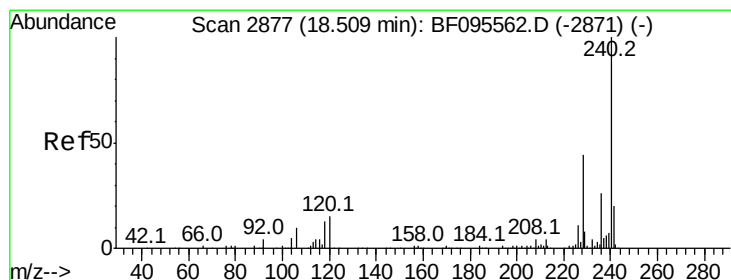
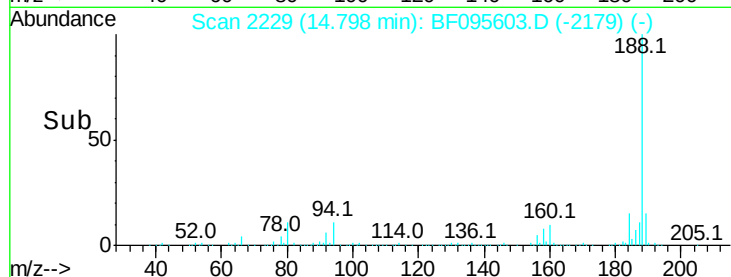
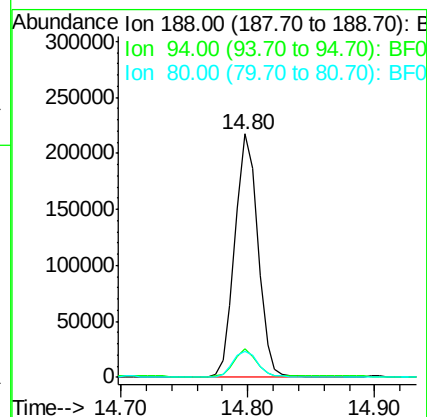
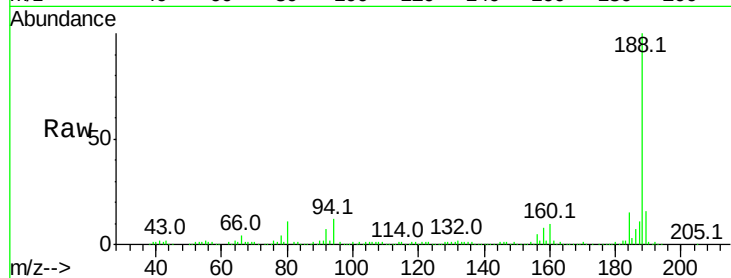




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF095603.D
Acq: 1 Jun 2017 19:41

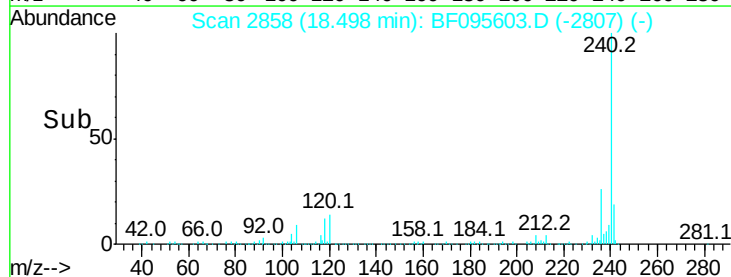
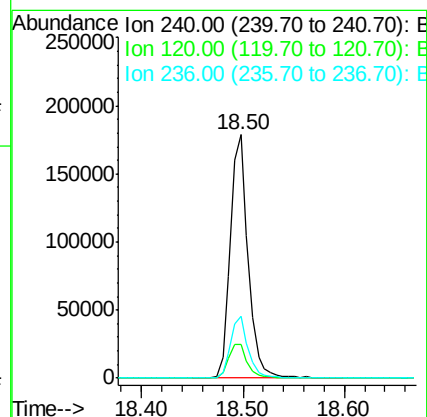
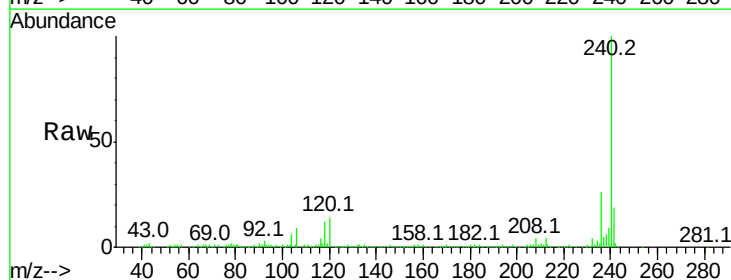
Instrument :
BNA_F
ClientSampled :

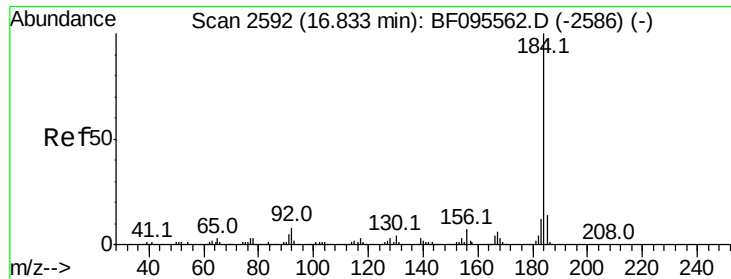
Tot Ion:188 Resp: 272814
Ion Ratio Lower Upper
188 100
94 11.5 9.4 14.2
80 10.9 10.2 15.2



#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.50 min Scan# 2858
Delta R.T. -0.00 min
Lab File: BF095603.D
Acq: 1 Jun 2017 19:41

Tgt Ion:240 Resp: 217390
Ion Ratio Lower Upper
240 100
120 13.8 5.8 8.8#
236 25.5 20.5 30.7





#76

Benzidine

Concen: 6.61 ng

RT: 16.83 min Scan# 2575

Delta R.T. 0.01 min

Lab File: BF095603.D

Acq: 1 Jun 2017 19:41

Instrument :

BNA_F

ClientSampled :

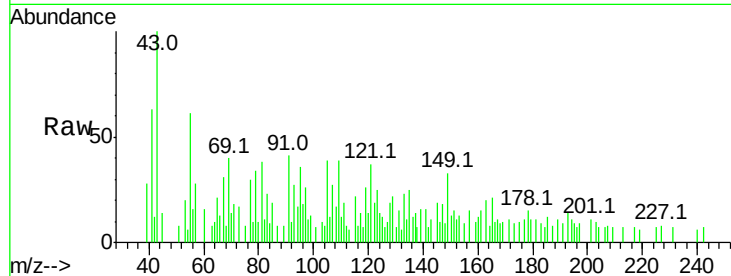
Tot Ion:184 Resp: 112

Ion Ratio Lower Upper

184 100

185 185.2 15.5 23.3#

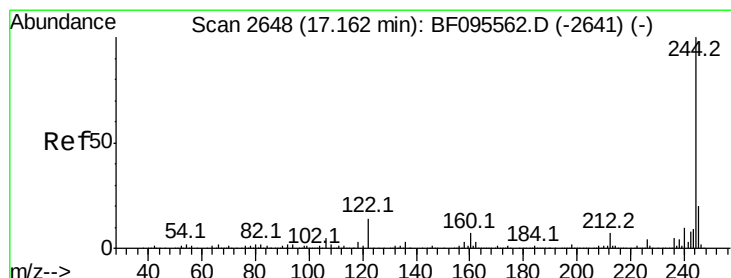
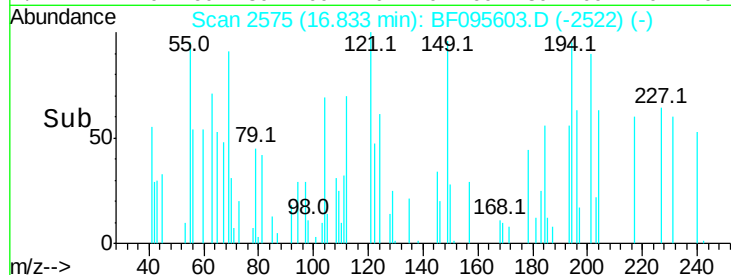
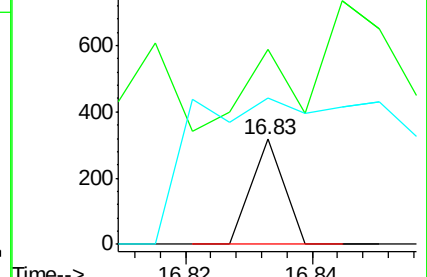
183 139.7 9.8 14.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 73.21 ng

RT: 17.15 min Scan# 2629

Delta R.T. -0.00 min

Lab File: BF095603.D

Acq: 1 Jun 2017 19:41

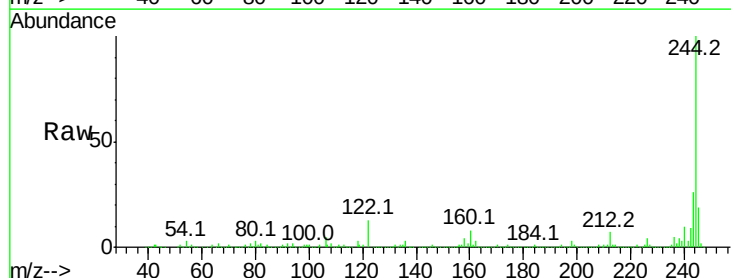
Tgt Ion:244 Resp: 722565

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

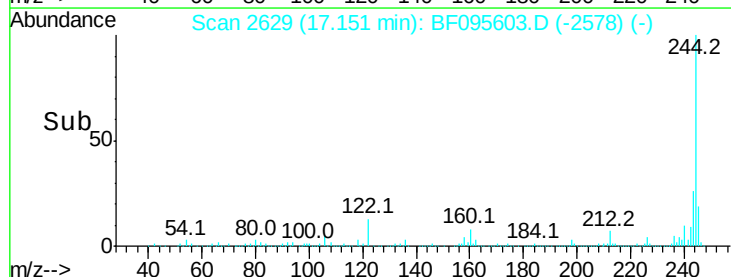
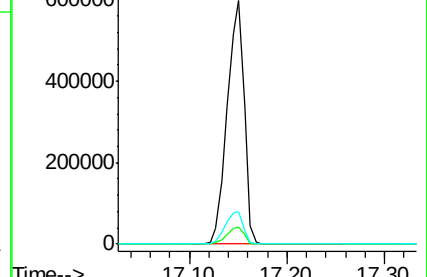
122 13.3 10.3 15.5

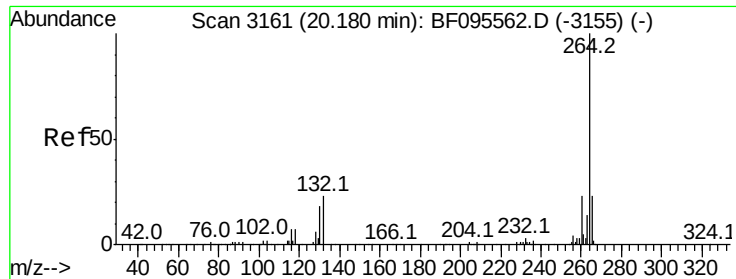


Abundance Ion 244.00 (243.70 to 244.70): E

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: 20.17 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BF095603.D
Acq: 1 Jun 2017 19:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.5	17.2	25.8

