

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
 Data File : BF095778.D
 Acq On : 8 Jun 2017 12:20
 Operator : SJ/MA
 Sample : I3473-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 08 12:57:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 08 11:19:45 2017
 Response via : Initial Calibration

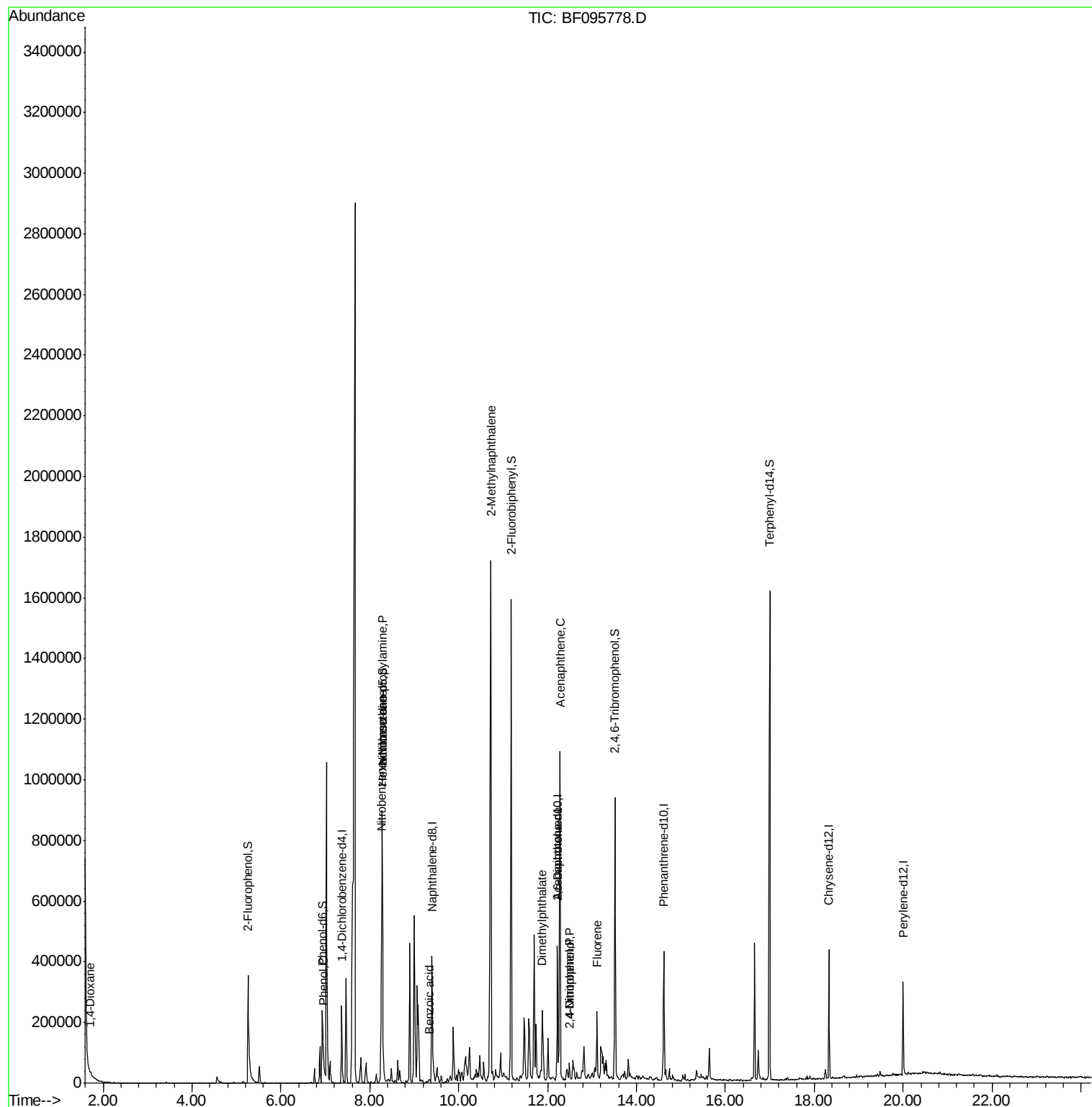
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	60802	20.00	ng	0.00
21) Naphthalene-d8	9.40	136	263132	20.00	ng	0.00
38) Acenaphthene-d10	12.22	164	124933	20.00	ng	0.00
63) Phenanthrene-d10	14.62	188	218419	20.00	ng	0.00
75) Chrysene-d12	18.33	240	176562	20.00	ng	-0.01
86) Perylene-d12	20.00	264	130154	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	250689	65.70	ng	0.00
7) Phenol-d6	6.93	99	196631	43.04	ng	0.00
23) Nitrobenzene-d5	8.29	82	393738	92.93	ng	0.00
41) 2,4,6-Tribromophenol	13.52	330	158223	143.14	ng	0.00
44) 2-Fluorobiphenyl	11.19	172	809229	90.14	ng	0.00
78) Terphenyl-d14	17.00	244	676777	95.13	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.72	88	4512	2.49	ng	Qvalue # 83
10) Phenol	6.96	94	14077	2.97	ng	83
18) Hexachloroethane	8.27	117	202322	131.54	ng	# 3
19) n-Nitroso-di-n-propylamine	8.29	70	50132	17.32	ng	# 73
24) Nitrobenzene	8.26	77	18503	4.09	ng	# 2
32) Benzoic acid	9.35	122	116	5.16	ng	# 50
37) 2-Methylnaphthalene	10.72	142	742781	83.25	ng	97
49) Dimethylphthalate	11.87	163	33112	3.49	ng	98
50) 2,6-Dinitrotoluene	12.22	165	15842	7.66	ng	# 31
51) Acenaphthene	12.28	154	352387	44.35	ng	98
53) 2,4-Dinitrophenol	12.51	184	133	6.58	ng	# 41
55) 4-Nitrophenol	12.50	139	1357	5.54	ng	87
57) Fluorene	13.11	166	79524	8.17	ng	96

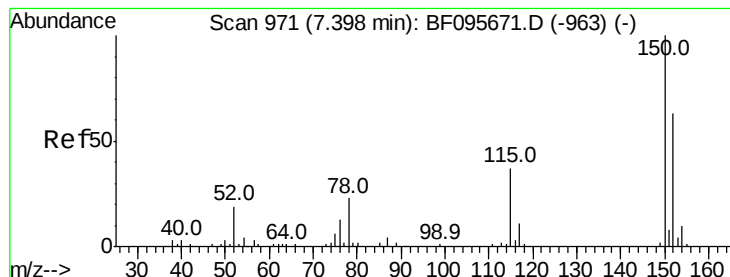
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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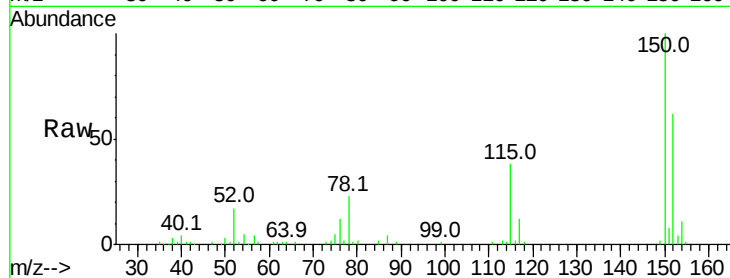


#1

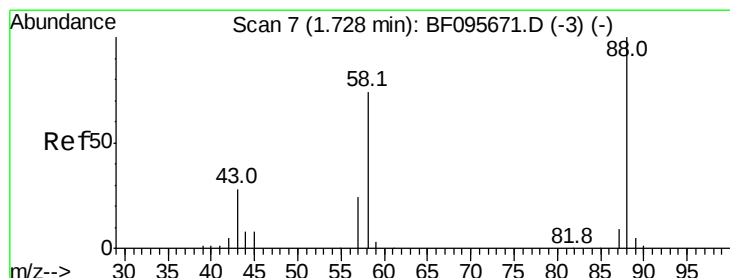
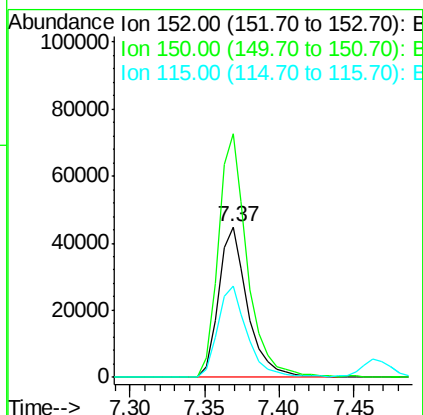
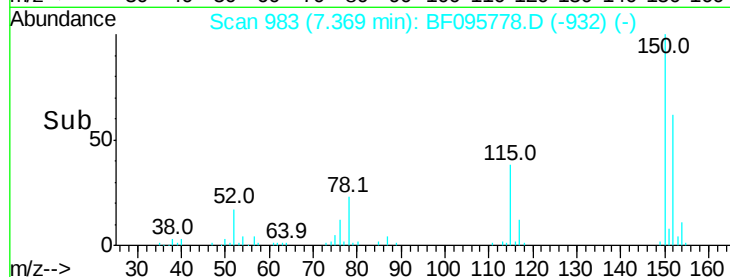
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. 0.00 min
Lab File: BF095778.D
Acq: 8 Jun 2017 12:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 60802
Ion Ratio Lower Upper
152 100
150 162.1 126.2 189.2
115 61.1 52.2 78.2



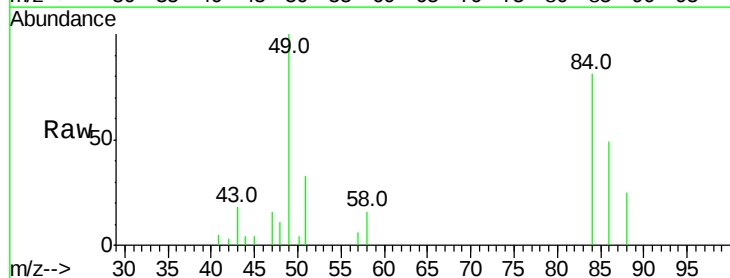
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



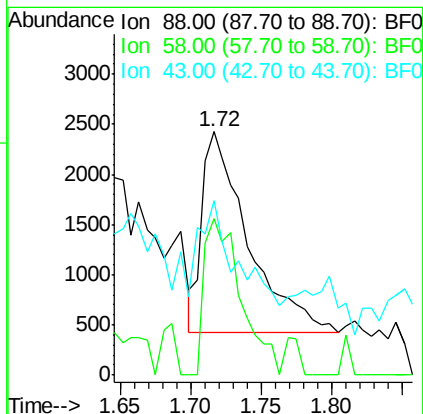
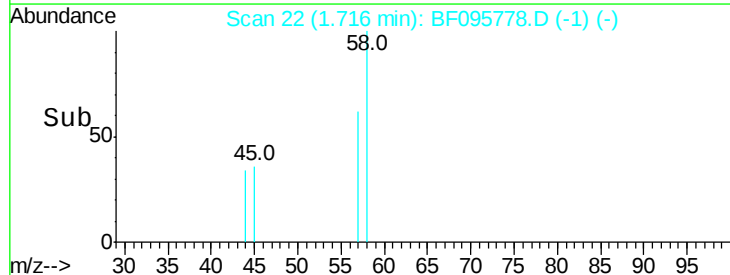
#2

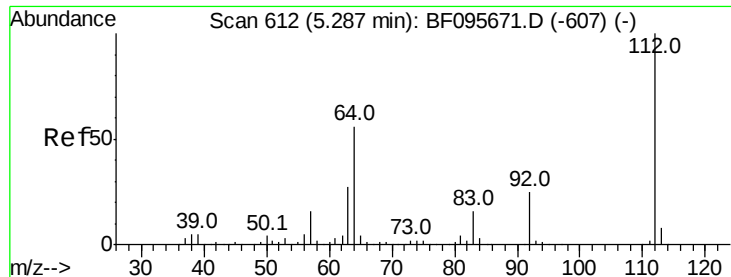
1,4-Dioxane
Concen: 2.49 ng
RT: 1.72 min Scan# 22
Delta R.T. 0.02 min
Lab File: BF095778.D
Acq: 8 Jun 2017 12:20

Tgt Ion: 88 Resp: 4512
Ion Ratio Lower Upper
88 100
58 62.5 61.4 92.0
43 38.7 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: 65.70 ng

RT: 5.26 min Scan# 624

Delta R.T. 0.00 min

Lab File: BF095778.D

Acq: 8 Jun 2017 12:20

Instrument :
BNA_F
ClientSampled :

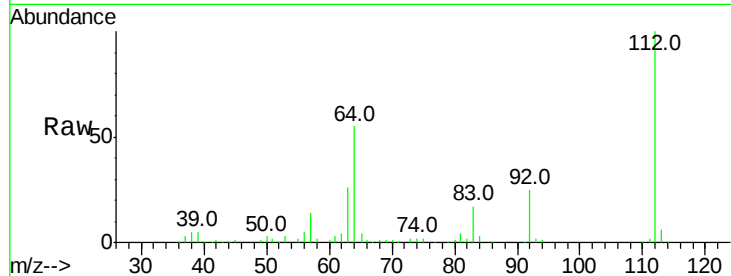
Tot Ion:112 Resp: 250689

Ion Ratio Lower Upper

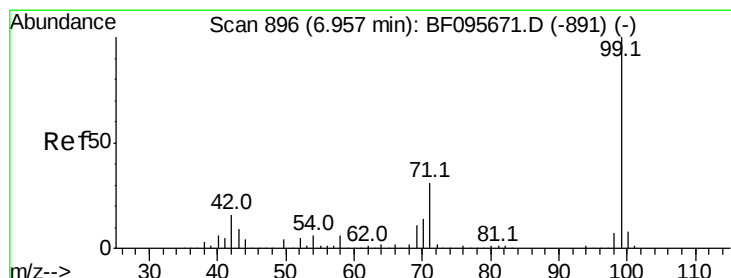
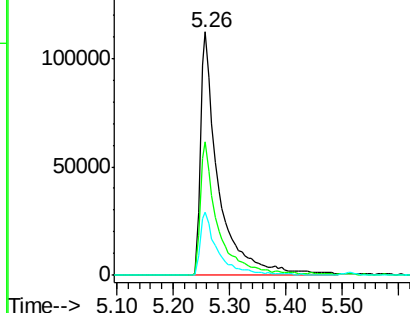
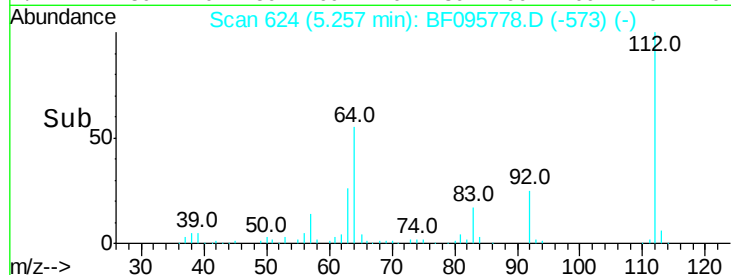
112 100

64 54.8 46.0 69.0

63 26.0 23.4 35.0



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



#7

Phenol-d6

Concen: 43.04 ng

RT: 6.93 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF095778.D

Acq: 8 Jun 2017 12:20

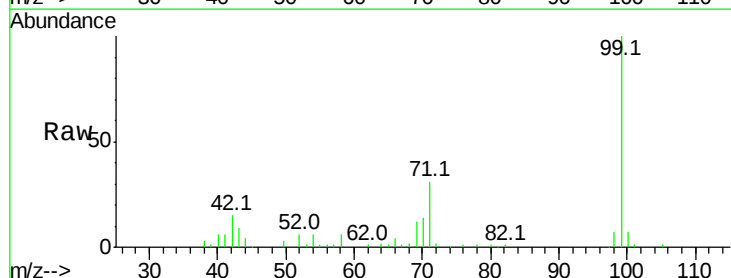
Tgt Ion: 99 Resp: 196631

Ion Ratio Lower Upper

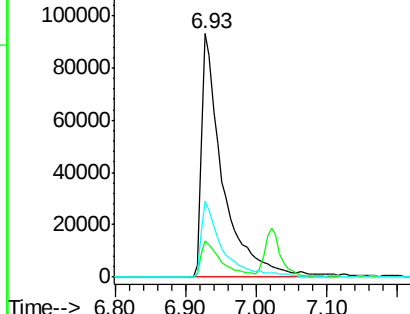
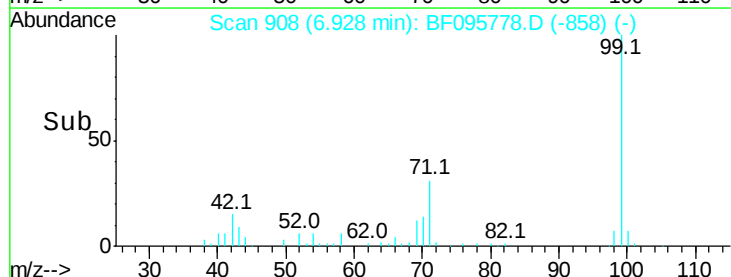
99 100

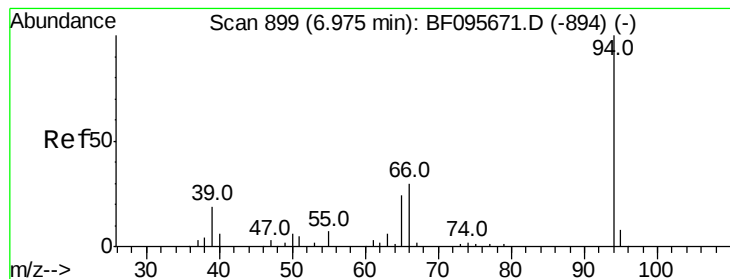
42 15.1 13.5 20.3

71 31.3 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BFO
Ion 42.00 (41.70 to 42.70): BFO
Ion 71.00 (70.70 to 71.70): BFO





#10

Phenol

Concen: 2.97 ng

RT: 6.96 min Scan# 913

Delta R.T. 0.01 min

Lab File: BF095778.D

Acq: 8 Jun 2017 12:20

Instrument :

BNA_F

ClientSampled :

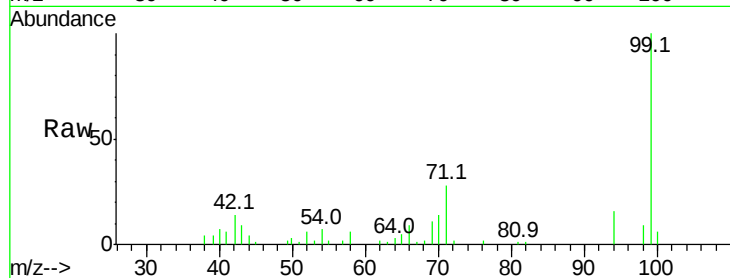
Tot Ion: 94 Resp: 14077

Ion Ratio Lower Upper

94 100

65 33.0 9.9 49.9

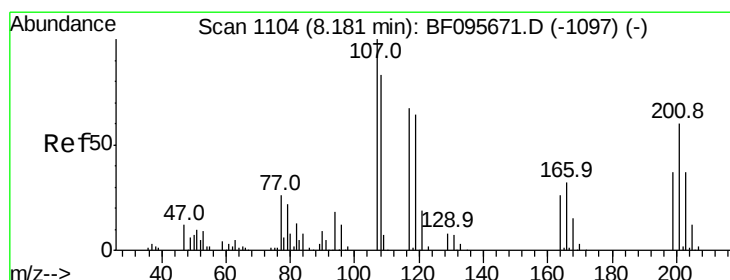
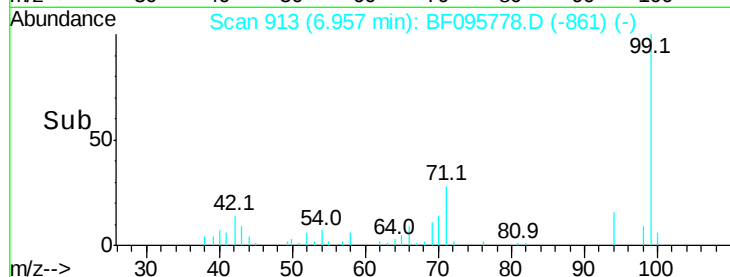
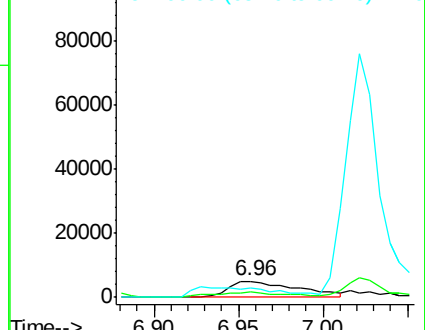
66 58.6 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#18

Hexachloroethane

Concen: 131.54 ng

RT: 8.27 min Scan# 1136

Delta R.T. 0.12 min

Lab File: BF095778.D

Acq: 8 Jun 2017 12:20

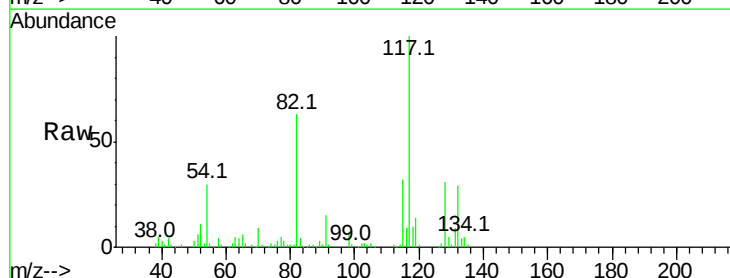
Tgt Ion: 117 Resp: 202322

Ion Ratio Lower Upper

117 100

119 13.9 77.4 116.0#

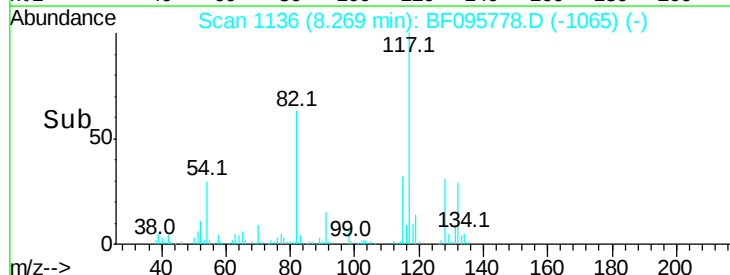
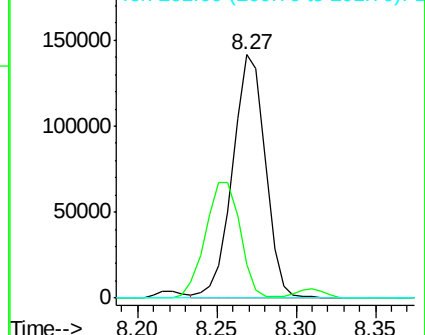
201 0.0 94.6 141.8#

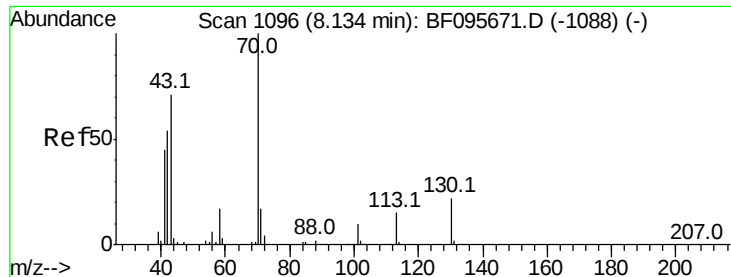


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

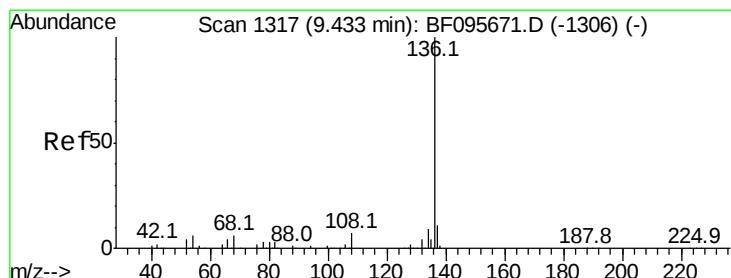
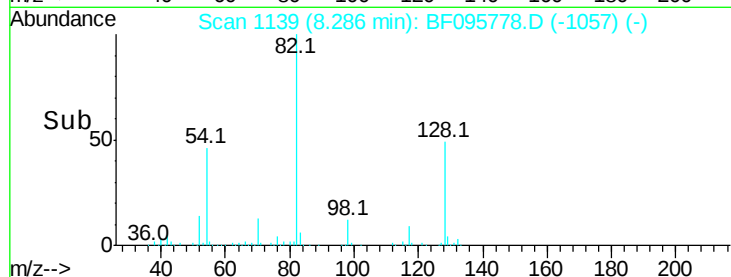
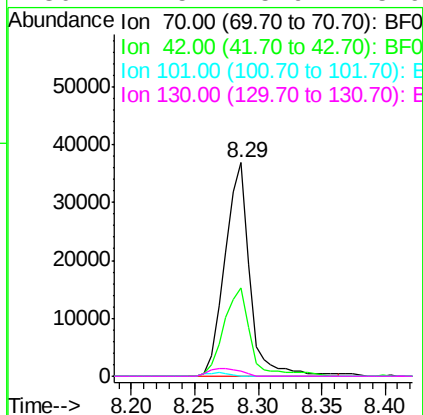
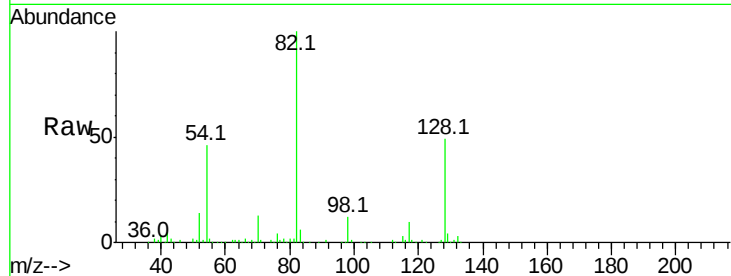




#19
n-Nitroso-di-n-propylamine
Concen: 17.32 ng
RT: 8.29 min Scan# 1139
Delta R.T. 0.18 min
Lab File: BF095778.D
Acq: 8 Jun 2017 12:20

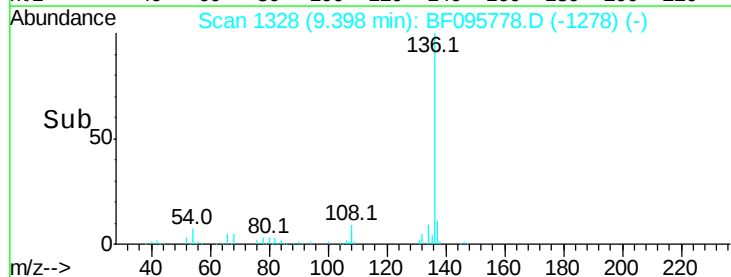
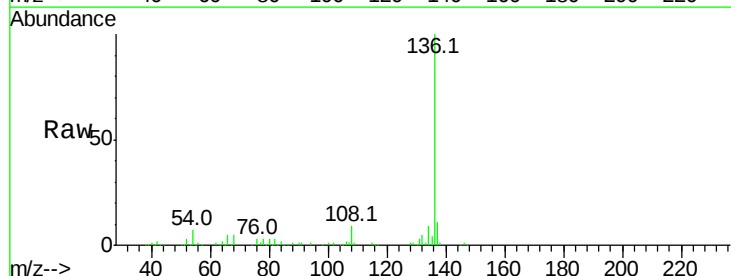
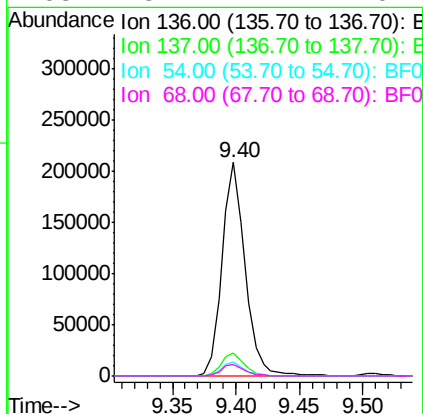
Instrument :
BNA_F
ClientSampled :

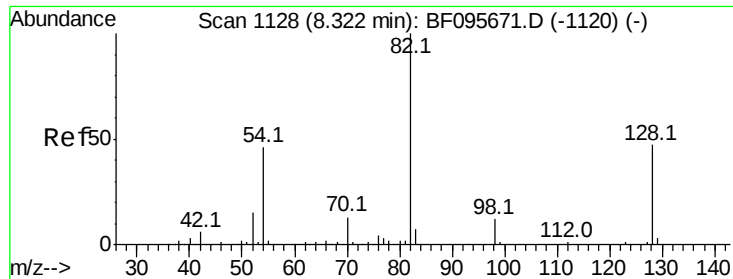
Tot Ion: 70 Resp: 50132
Ion Ratio Lower Upper
70 100
42 41.3 47.2 70.8#
101 0.0 7.2 10.8#
130 2.5 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.40 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF095778.D
Acq: 8 Jun 2017 12:20

Tgt Ion: 136 Resp: 263132
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 6.6 4.9 7.3
68 5.2 4.1 6.1

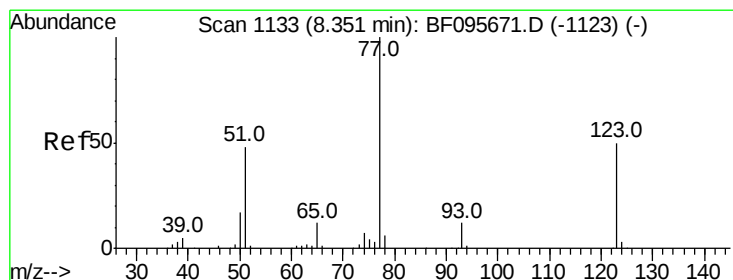
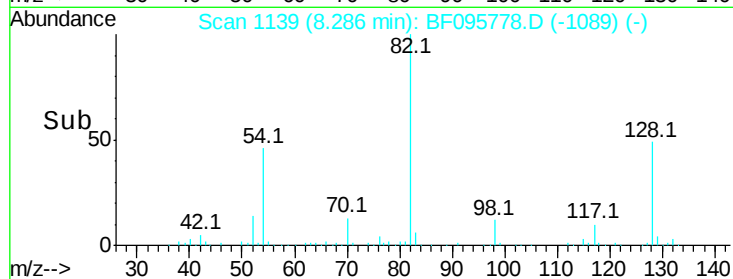
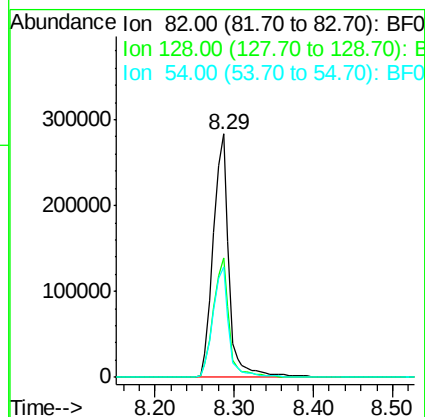
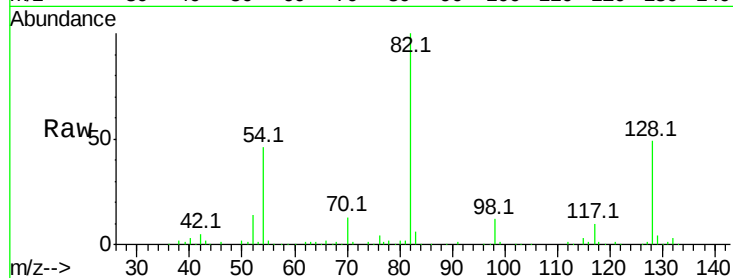




#23
Nitrobenzene-d5
Concen: 92.93 ng
RT: 8.29 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BF095778.D
Acq: 8 Jun 2017 12:20

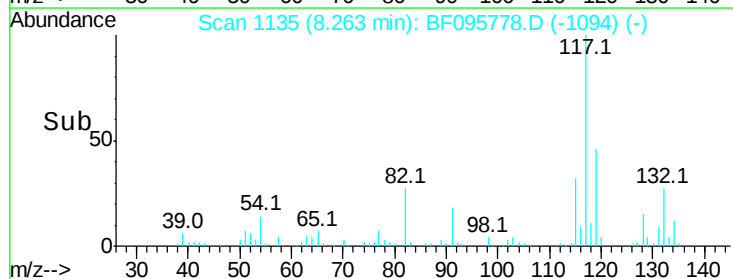
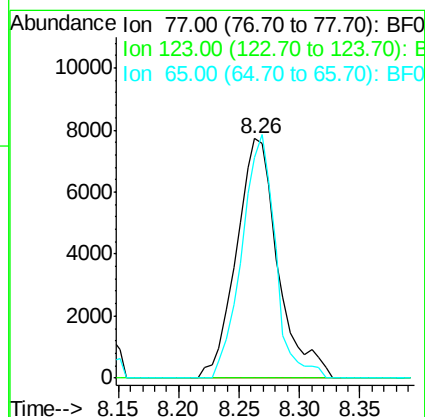
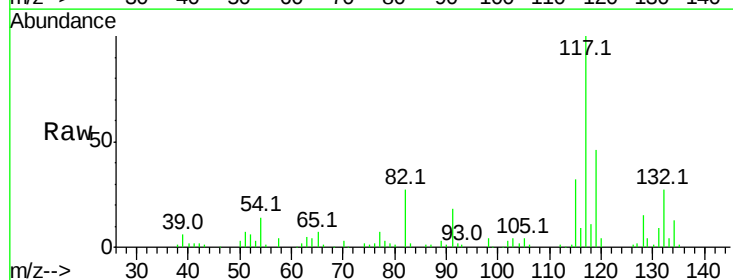
Instrument :
BNA_F
ClientSampleId :

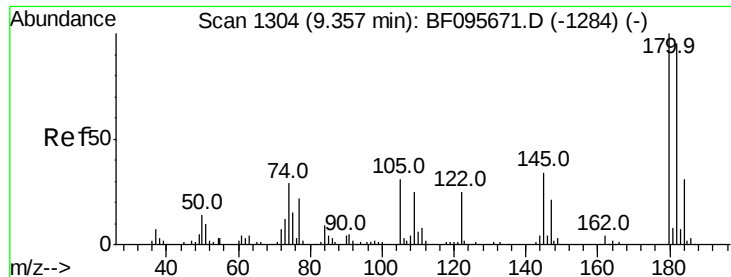
Tot Ion: 82 Resp: 393738
Ion Ratio Lower Upper
82 100
128 49.1 34.0 51.0
54 45.6 42.2 63.2



#24
Nitrobenzene
Concen: 4.09 ng
RT: 8.26 min Scan# 1135
Delta R.T. -0.06 min
Lab File: BF095778.D
Acq: 8 Jun 2017 12:20

Tgt Ion: 77 Resp: 18503
Ion Ratio Lower Upper
77 100
123 0.0 35.8 53.8#
65 92.3 10.6 15.8#

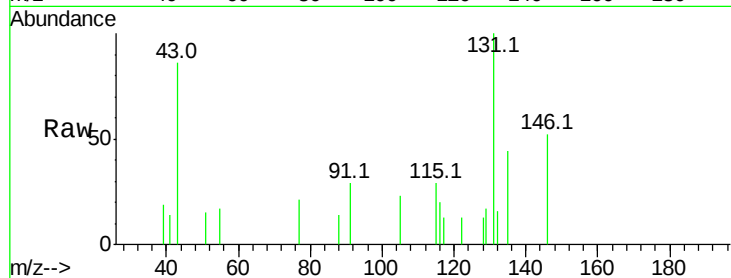




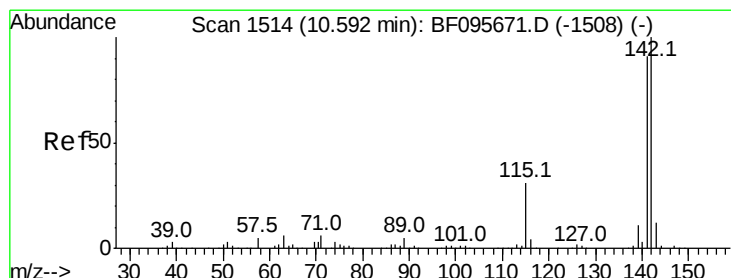
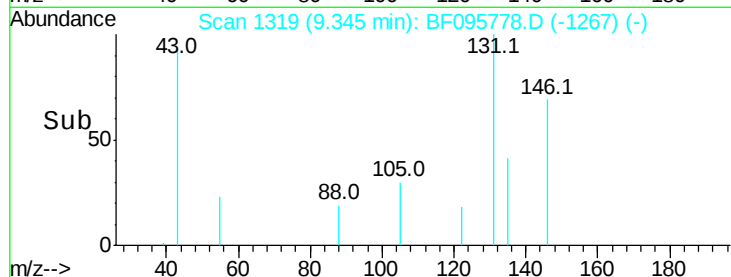
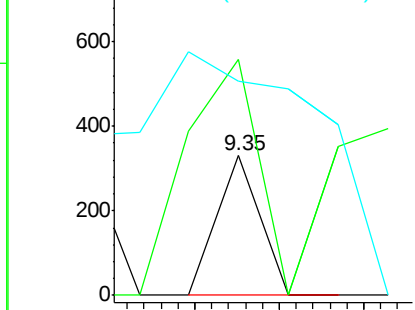
#32
Benzoic acid
Concen: 5.16 ng
RT: 9.35 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF095778.D
Acq: 8 Jun 2017 12:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 116
Ion Ratio Lower Upper
122 100
105 169.4 103.3 143.3#
77 153.6 73.7 113.7#

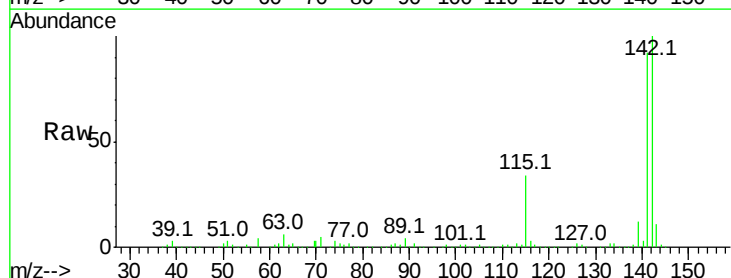


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

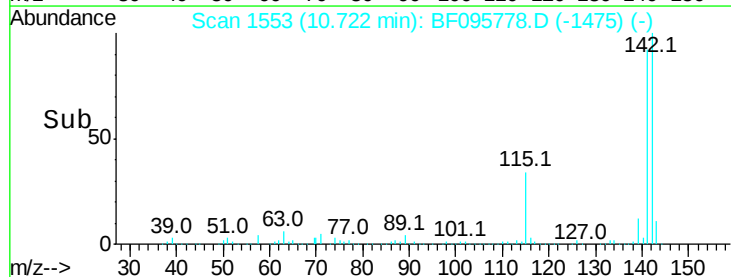
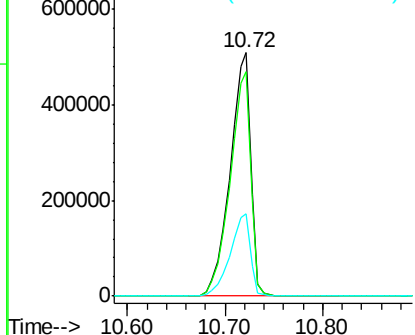


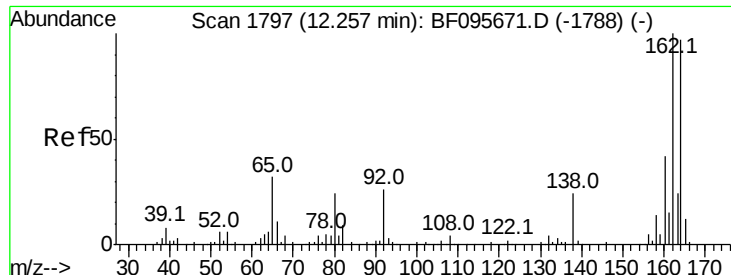
#37
2-Methylnaphthalene
Concen: 83.25 ng
RT: 10.72 min Scan# 1553
Delta R.T. 0.16 min
Lab File: BF095778.D
Acq: 8 Jun 2017 12:20

Tgt Ion:142 Resp: 742781
Ion Ratio Lower Upper
142 100
141 92.4 71.3 106.9
115 33.7 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: 12.22 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF095778.D

Acq: 8 Jun 2017 12:20

Instrument :

BNA_F

ClientSampleId :

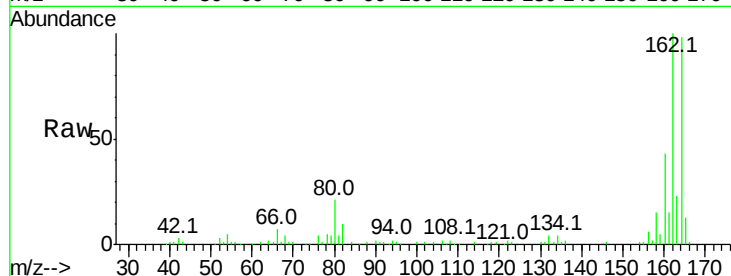
Tot Ion:164 Resp: 124933

Ion Ratio Lower Upper

164 100

162 101.9 82.6 123.8

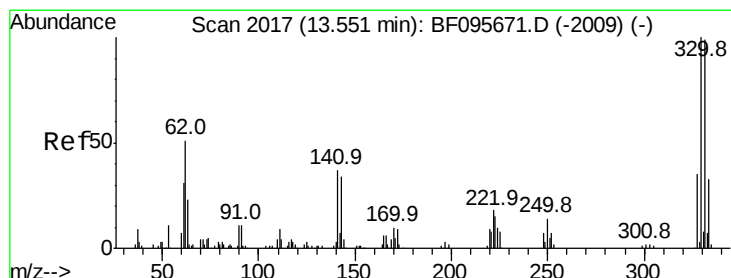
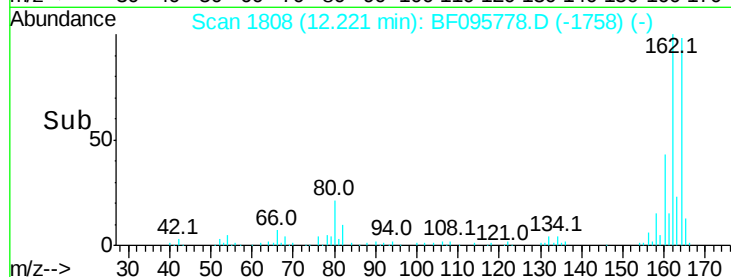
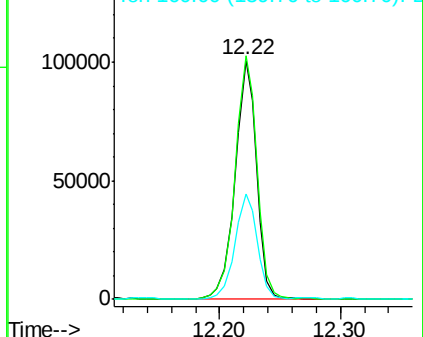
160 44.2 36.2 54.2



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: 143.14 ng

RT: 13.52 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF095778.D

Acq: 8 Jun 2017 12:20

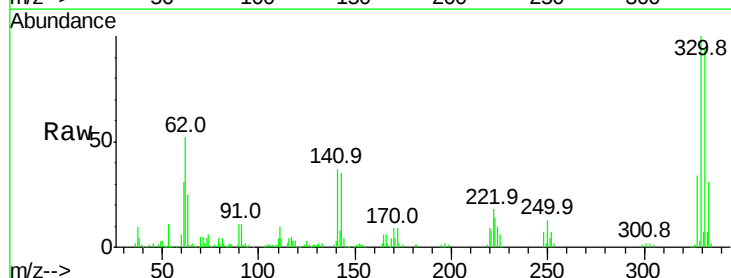
Tgt Ion:330 Resp: 158223

Ion Ratio Lower Upper

330 100

332 94.4 76.6 115.0

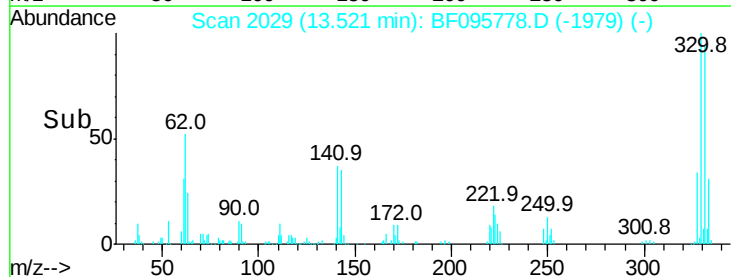
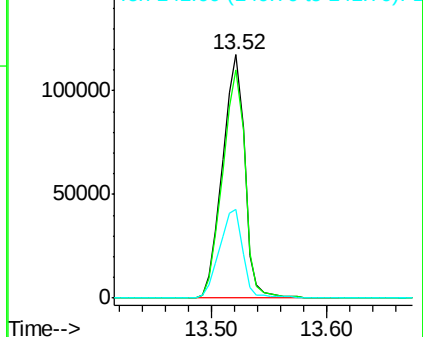
141 38.1 31.4 47.2

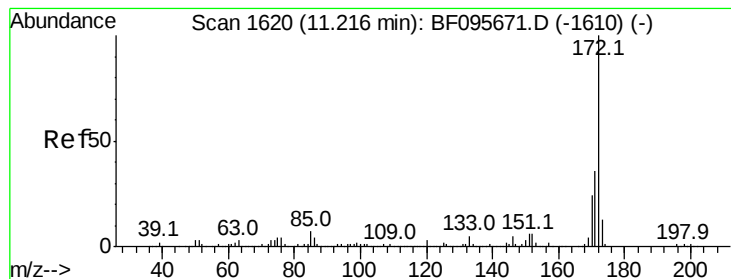


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 90.14 ng

RT: 11.19 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BF095778.D

Acq: 8 Jun 2017 12:20

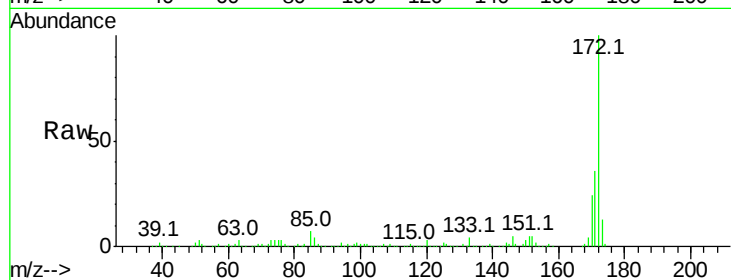
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 809229

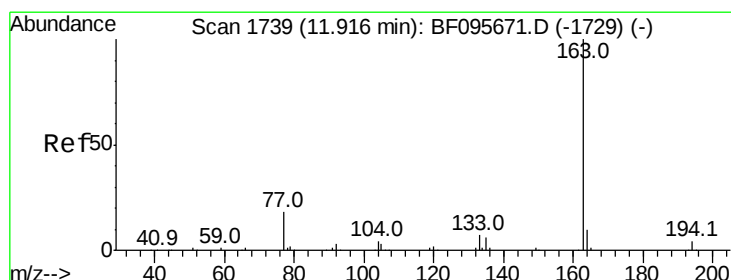
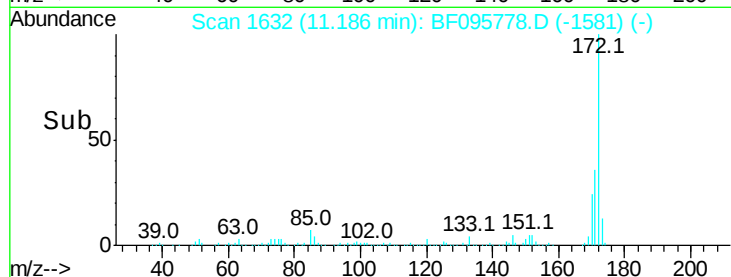
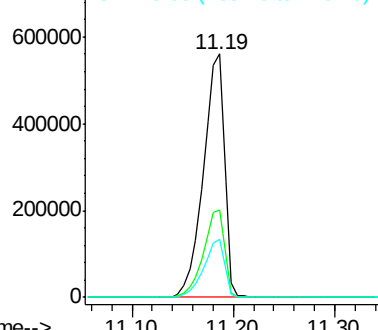
Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	24.0	19.8	29.8



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: 3.49 ng

RT: 11.87 min Scan# 1749

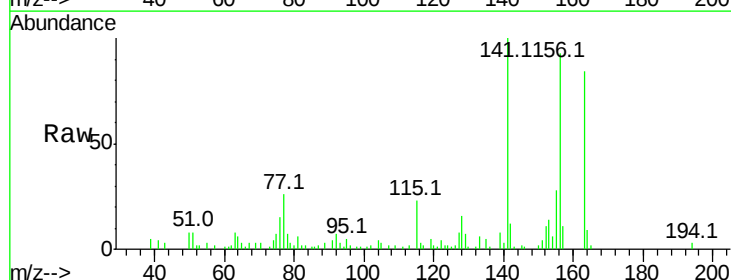
Delta R.T. -0.02 min

Lab File: BF095778.D

Acq: 8 Jun 2017 12:20

Tgt Ion:163 Resp: 33112

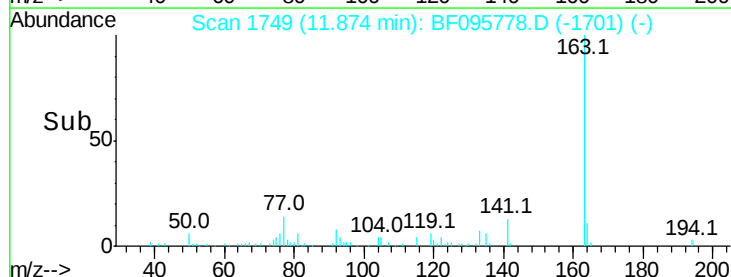
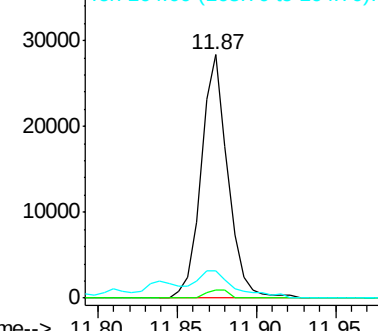
Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	11.3	8.4	12.6

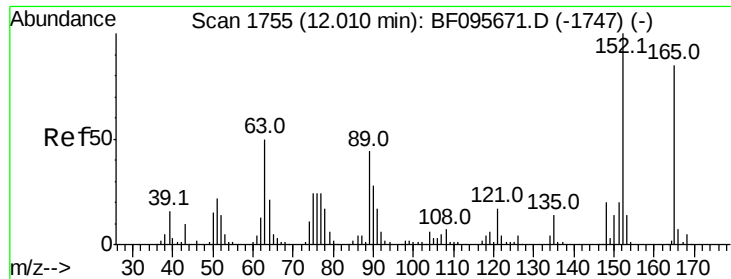


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

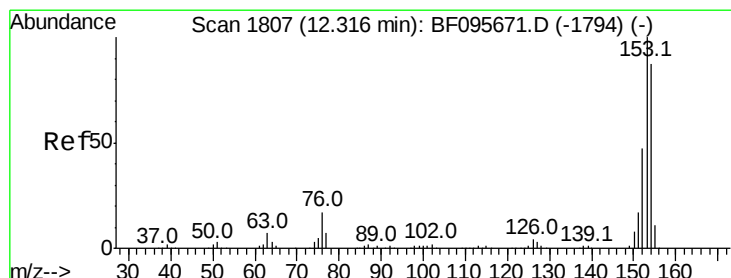
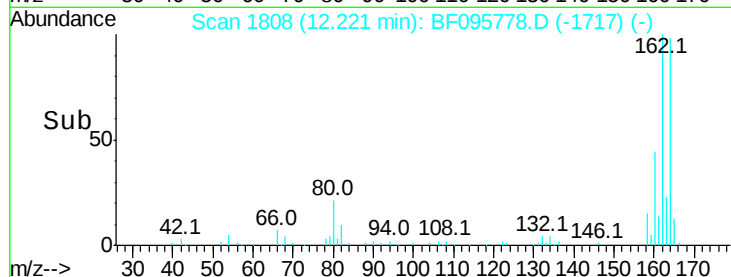
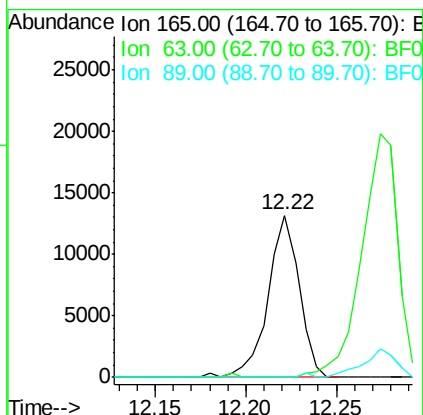
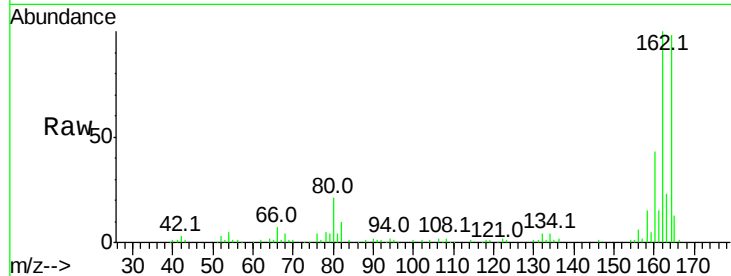




#50
2,6-Dinitrotoluene
Concen: 7.66 ng
RT: 12.22 min Scan# 1808
Delta R.T. 0.24 min
Lab File: BF095778.D
Acq: 8 Jun 2017 12:20

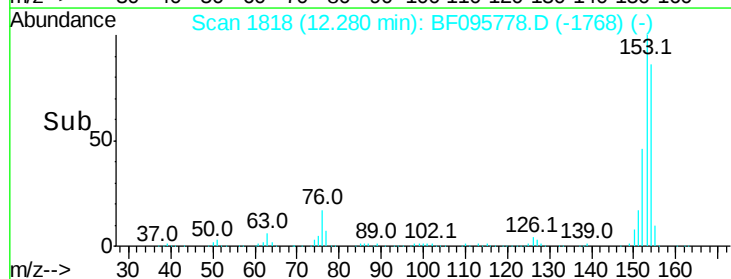
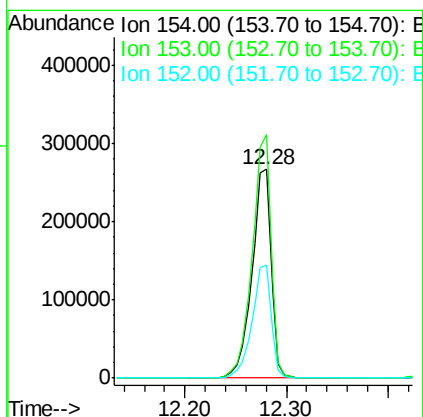
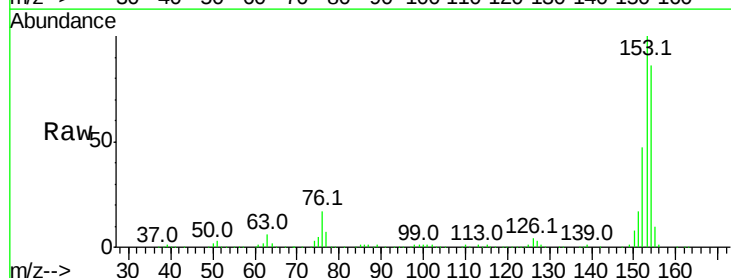
Instrument :
BNA_F
ClientSampleId :

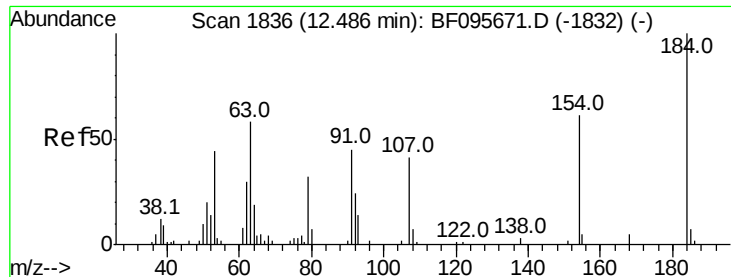
Tot Ion:165 Resp: 15842
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 0.0 37.1 55.7#



#51
Acenaphthene
Concen: 44.35 ng
RT: 12.28 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF095778.D
Acq: 8 Jun 2017 12:20

Tgt Ion:154 Resp: 352387
Ion Ratio Lower Upper
154 100
153 116.6 90.5 135.7
152 54.3 43.6 65.4

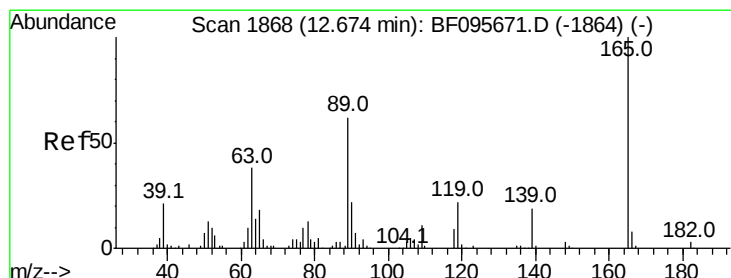
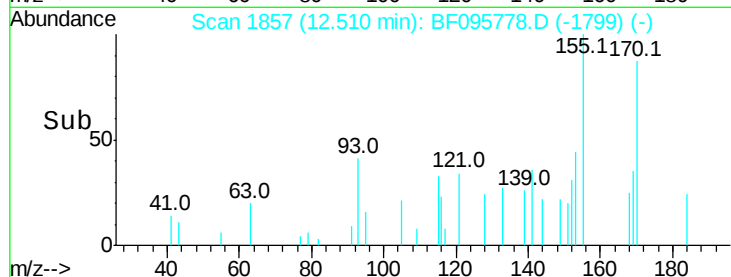
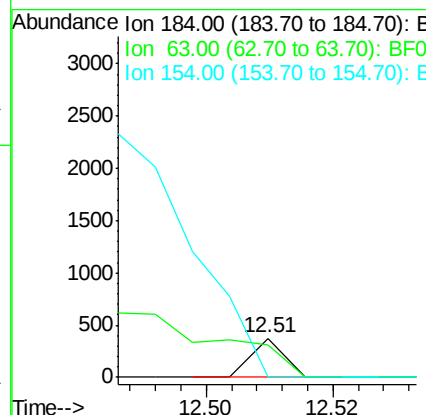
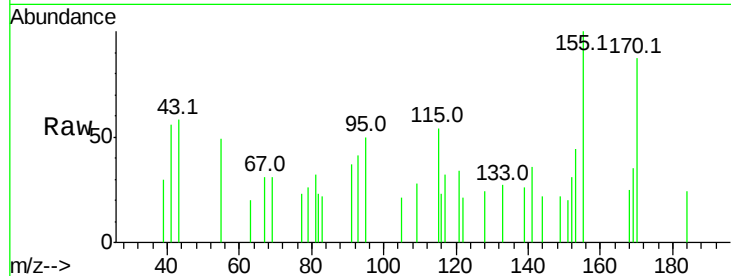




#53
 2,4-Dinitrophenol
 Concen: 6.58 ng
 RT: 12.51 min Scan# 1857
 Delta R.T. 0.04 min
 Lab File: BF095778.D
 Acq: 8 Jun 2017 12:20

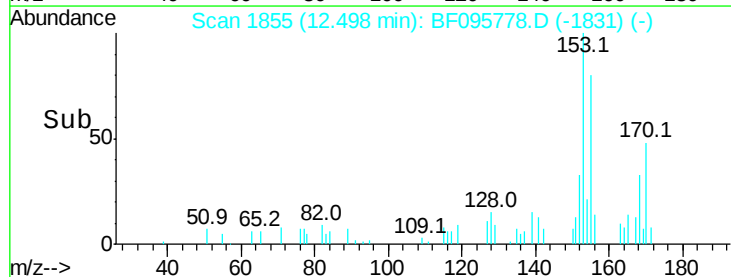
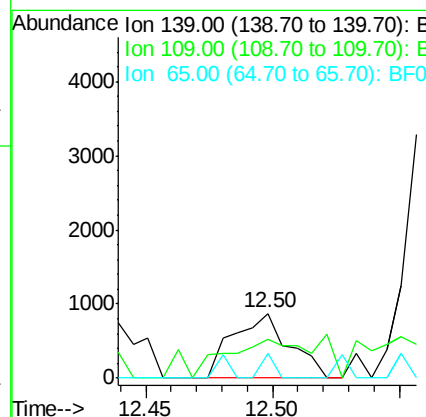
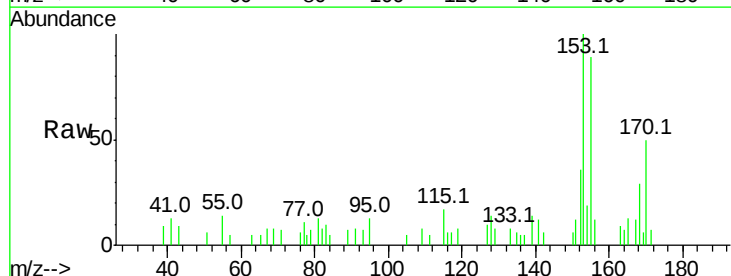
Instrument :
 BNA_F
 ClientSampleId :

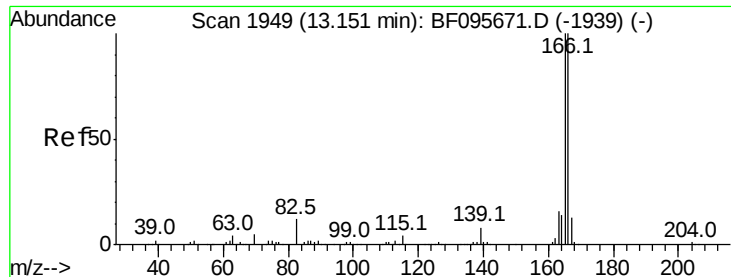
Tot Ion:184 Resp: 133
 Ion Ratio Lower Upper
 184 100
 63 83.0 62.7 94.1
 154 0.0 81.1 121.7#



#55
 4-Nitrophenol
 Concen: 5.54 ng
 RT: 12.50 min Scan# 1855
 Delta R.T. -0.16 min
 Lab File: BF095778.D
 Acq: 8 Jun 2017 12:20

Tgt Ion:139 Resp: 1357
 Ion Ratio Lower Upper
 139 100
 109 59.4 34.1 74.1
 65 38.1 31.4 71.4





#57

Fluorene

Concen: 8.17 ng

RT: 13.11 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BF095778.D

Acq: 8 Jun 2017 12:20

Instrument :

BNA_F

ClientSampleId :

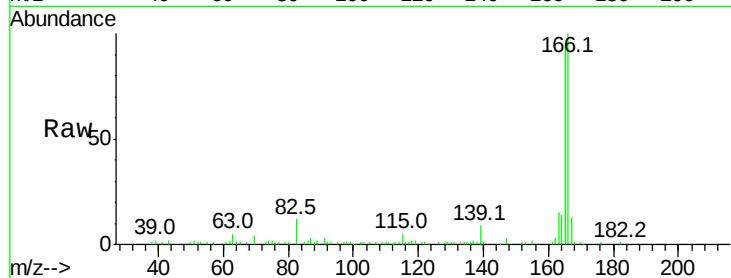
Tot Ion:166 Resp: 79524

Ion Ratio Lower Upper

166 100

165 94.5 78.8 118.2

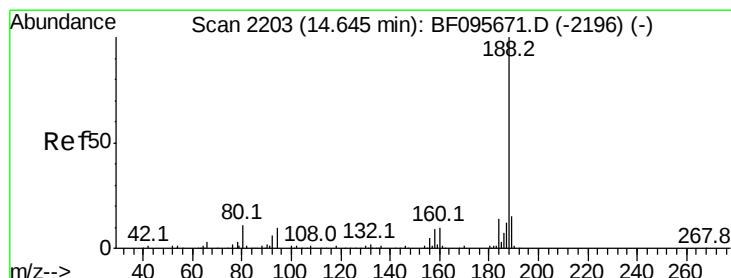
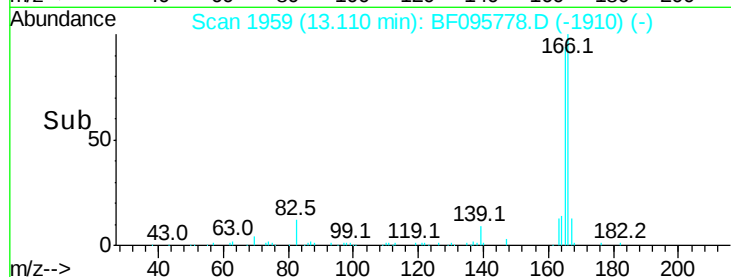
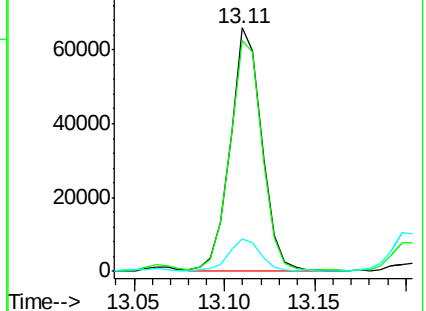
167 13.5 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.62 min Scan# 2215

Delta R.T. -0.01 min

Lab File: BF095778.D

Acq: 8 Jun 2017 12:20

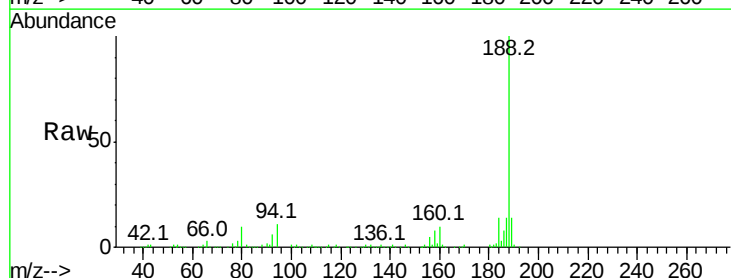
Tgt Ion:188 Resp: 218419

Ion Ratio Lower Upper

188 100

94 10.6 9.4 14.2

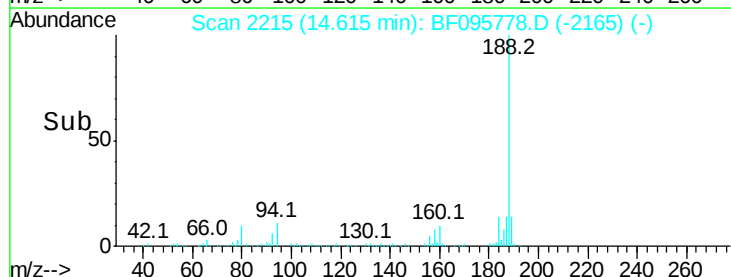
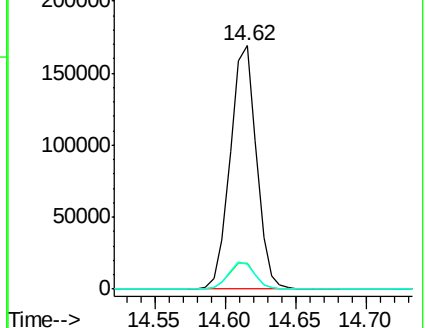
80 10.1 10.2 15.2#

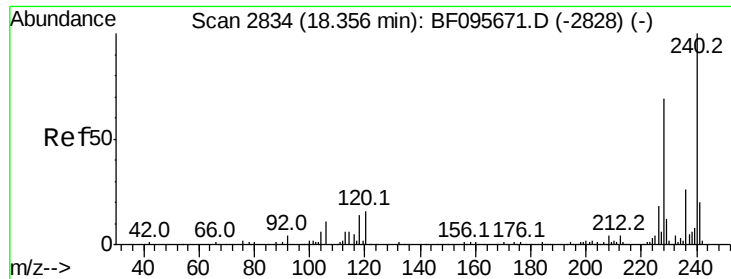


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.33 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BF095778.D

Acq: 8 Jun 2017 12:20

Instrument :

BNA_F

ClientSampleId :

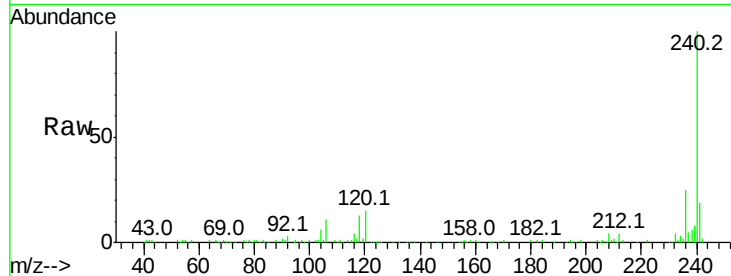
Tot Ion:240 Resp: 176562

Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

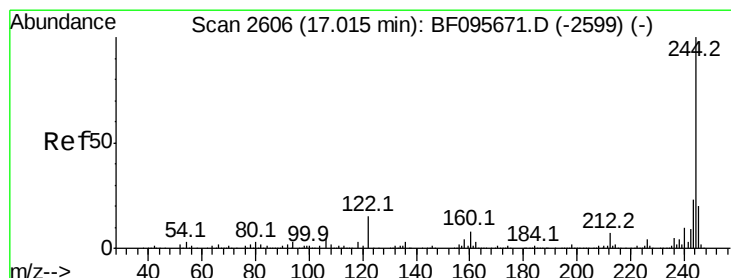
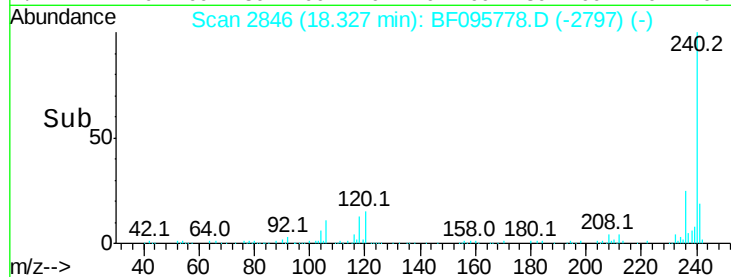
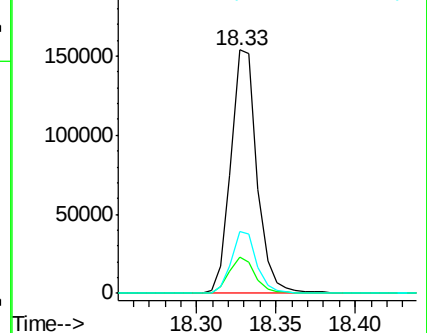
236 25.4 20.5 30.7



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: 95.13 ng

RT: 17.00 min Scan# 2620

Delta R.T. 0.00 min

Lab File: BF095778.D

Acq: 8 Jun 2017 12:20

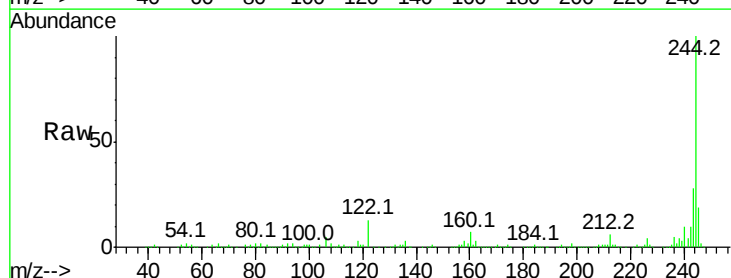
Tgt Ion:244 Resp: 676777

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

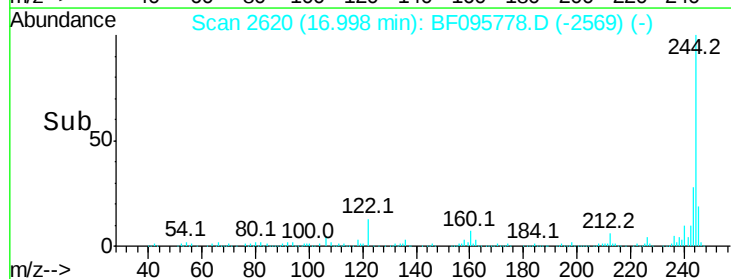
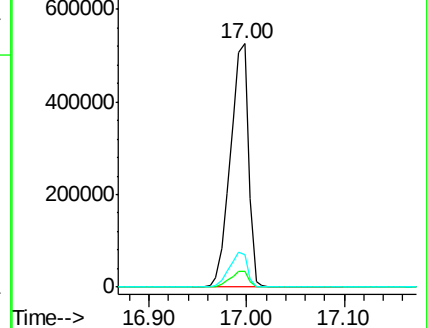
122 13.3 10.3 15.5

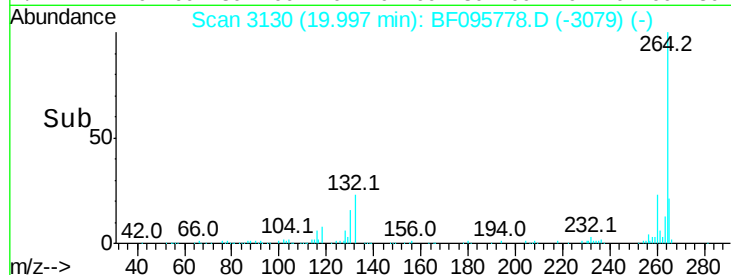
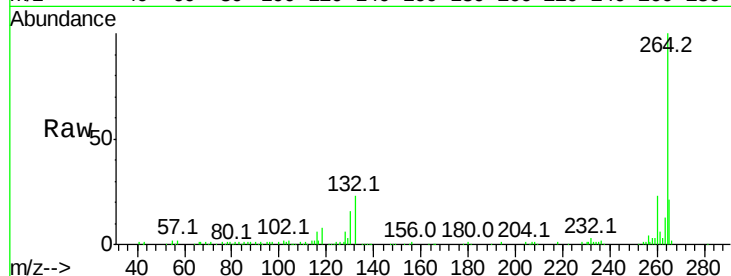
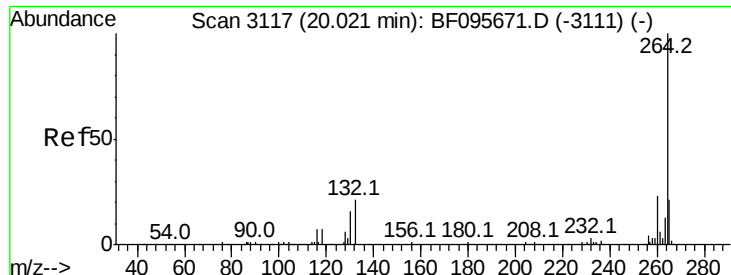


Abundance Ion 244.00 (243.70 to 244.70): E

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: 20.00 min Scan# 3130
Delta R.T. 0.00 min
Lab File: BF095778.D
Acq: 8 Jun 2017 12:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	130154
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	20.9	17.2	25.8

