

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
 Data File : BF095589.D
 Acq On : 1 Jun 2017 6:29
 Operator : SJ/MA
 Sample : I3388-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 01 07:42:45 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 04:09:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	77562	20.00	ng	0.00
21) Naphthalene-d8	9.58	136	331383	20.00	ng	0.00
38) Acenaphthene-d10	12.41	164	139128	20.00	ng	0.00
63) Phenanthrene-d10	14.81	188	191187	20.00	ng	0.00
75) Chrysene-d12	18.51	240	169933	20.00	ng	0.00
86) Perylene-d12	20.18	264	135129	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	648063	139.30	ng	0.03
7) Phenol-d6	7.11	99	725531	129.98	ng	0.00
23) Nitrobenzene-d5	8.47	82	532399	101.31	ng	0.00
41) 2,4,6-Tribromophenol	13.71	330	157079	137.86	ng	0.00
44) 2-Fluorobiphenyl	11.36	172	1009881	104.48	ng	0.00
78) Terphenyl-d14	17.16	244	658900	85.40	ng	0.00

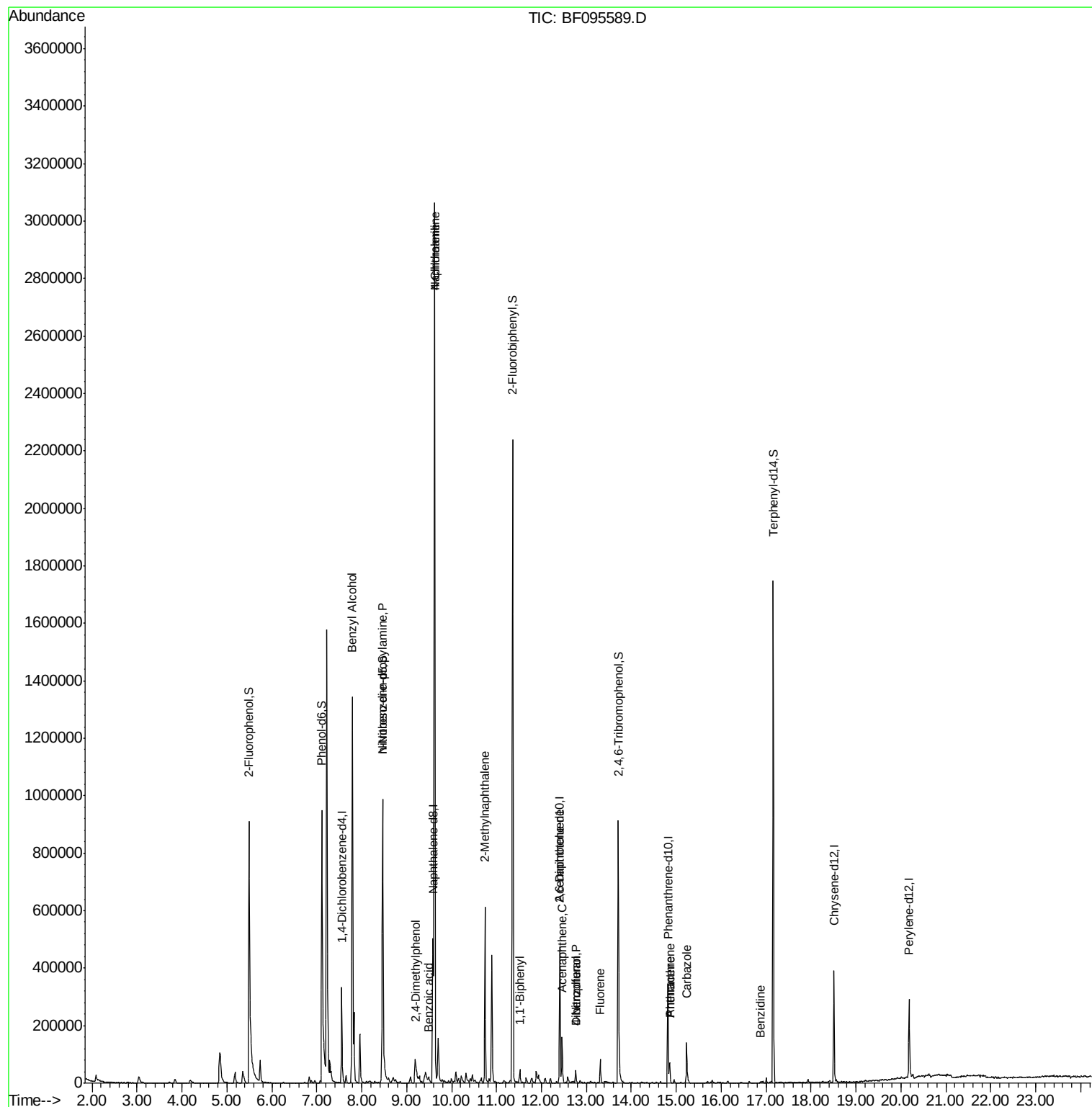
Target Compounds						Qvalue
15) Benzyl Alcohol	7.79	79	8319	2.32	ng	# 38
19) n-Nitroso-di-n-propylamine	8.47	70	66152	17.52	ng	# 74
27) 2,4-Dimethylphenol	9.21	122	25525	5.31	ng	92
31) Naphthalene	9.62	128	2229414	133.86	ng	100
32) Benzoic acid	9.49	122	8254	7.42	ng	# 20
33) 4-Chloroaniline	9.62	127	300887	48.48	ng	# 33
37) 2-Methylnaphthalene	10.74	142	230025	21.04	ng	98
45) 1,1'-Biphenyl	11.52	154	25599	2.19	ng	94
50) 2,6-Dinitrotoluene	12.41	165	17746	7.62	ng	# 31
51) Acenaphthene	12.46	154	55465	6.27	ng	98
54) Dibenzofuran	12.76	168	27760	2.27	ng	# 95
55) 4-Nitrophenol	12.76	139	10318	6.87	ng	# 25
57) Fluorene	13.31	166	34984	3.29	ng	# 94
70) Phenanthrene	14.85	178	46712	4.25	ng	98
71) Anthracene	14.85	178	46712	4.16	ng	98
72) Carbazole	15.23	167	98312	9.63	ng	95
76) Benzdine	16.87	184	4299	7.40	ng	# 85

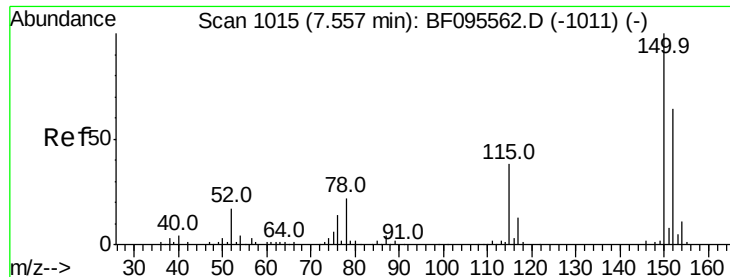
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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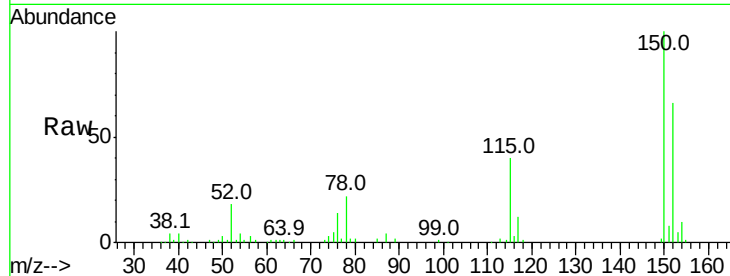


#1

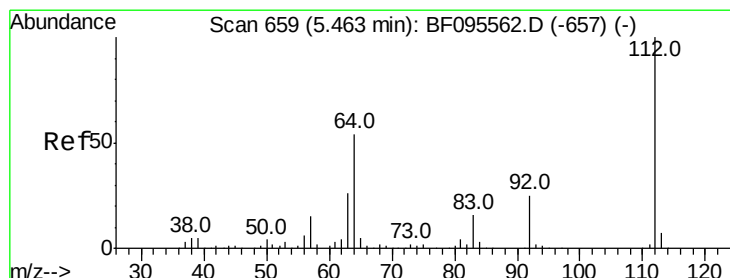
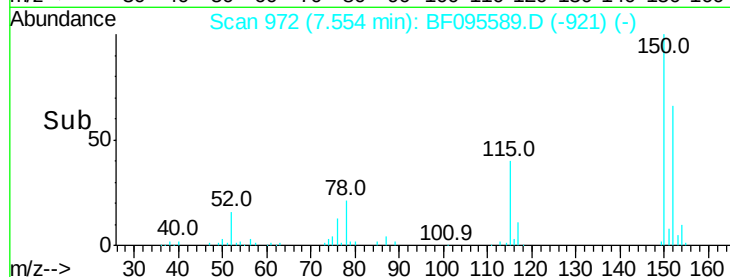
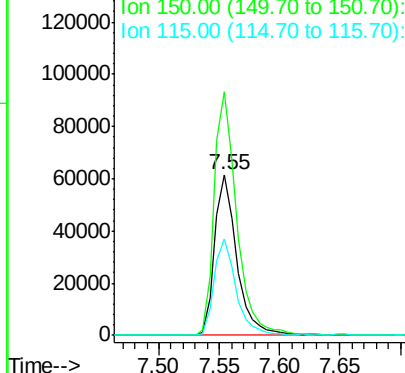
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.55 min Scan# 972
Delta R.T. -0.00 min
Lab File: BF095589.D
Acq: 1 Jun 2017 6:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 77562
Ion Ratio Lower Upper
152 100
150 151.5 126.2 189.2
115 60.4 52.2 78.2



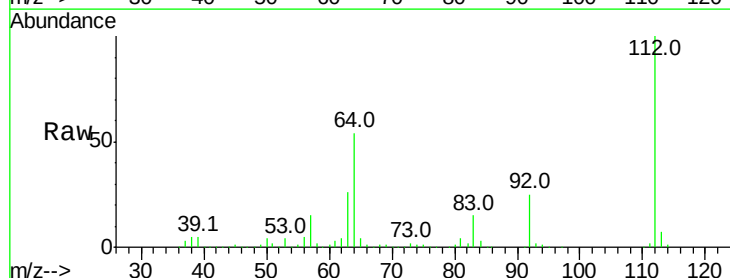
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



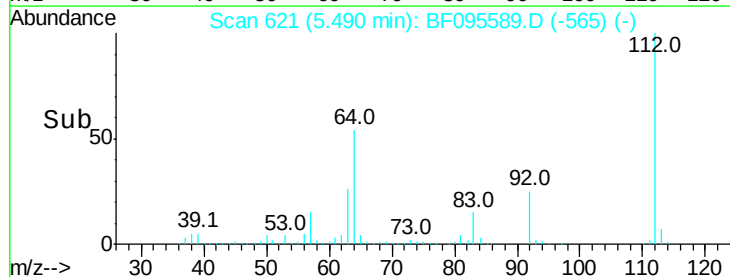
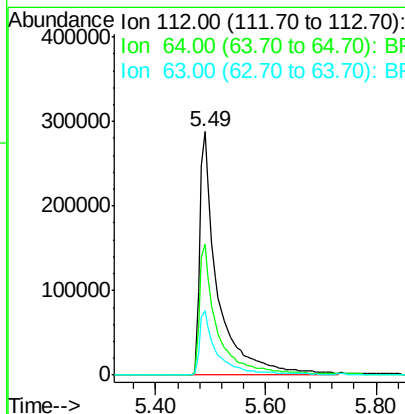
#5

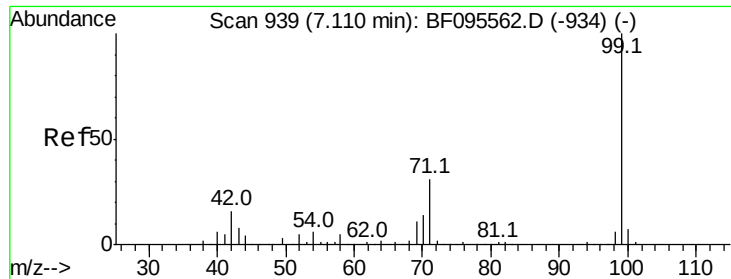
2-Fluorophenol
Concen: 139.30 ng
RT: 5.49 min Scan# 621
Delta R.T. 0.03 min
Lab File: BF095589.D
Acq: 1 Jun 2017 6:29

Tgt Ion:112 Resp: 648063
Ion Ratio Lower Upper
112 100
64 53.8 46.0 69.0
63 26.3 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: 129.98 ng

RT: 7.11 min Scan# 897

Delta R.T. 0.00 min

Lab File: BF095589.D

Acq: 1 Jun 2017 6:29

Instrument :

BNA_F

ClientSampled :

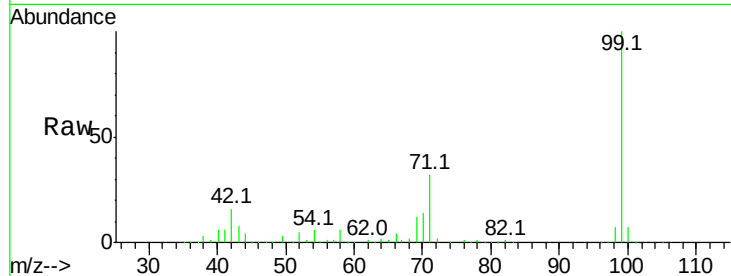
Tot Ion: 99 Resp: 72531

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

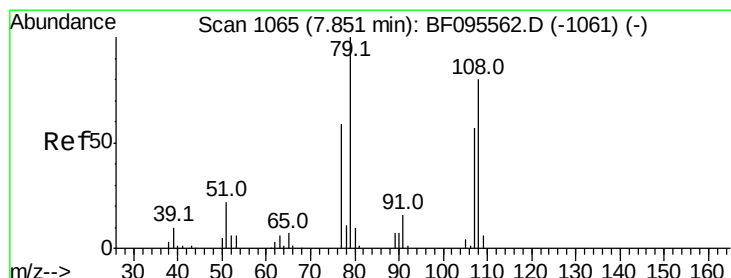
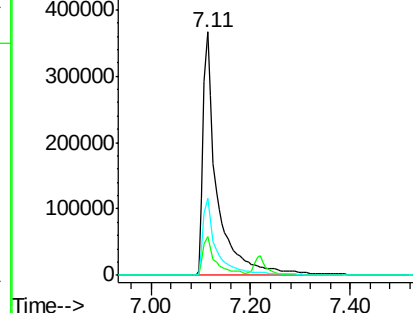
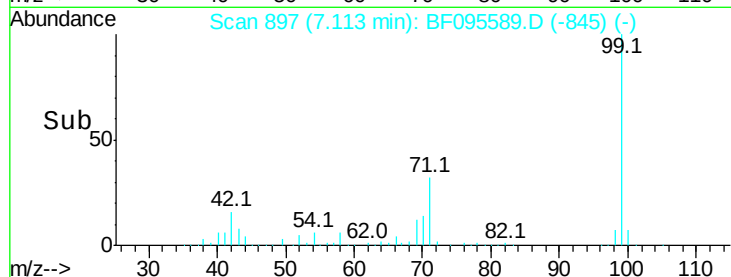
71 31.8 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 2.32 ng

RT: 7.79 min Scan# 1012

Delta R.T. -0.06 min

Lab File: BF095589.D

Acq: 1 Jun 2017 6:29

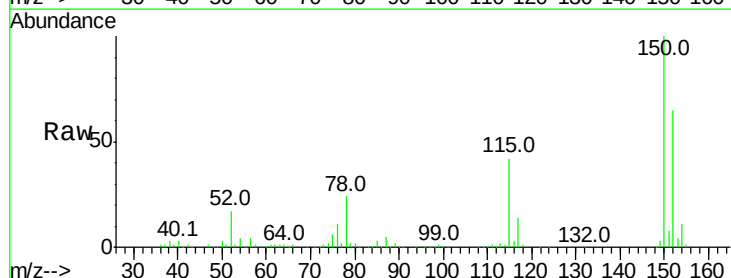
Tgt Ion: 79 Resp: 8319

Ion Ratio Lower Upper

79 100

108 24.9 63.4 95.0#

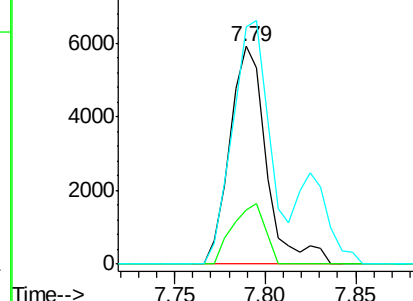
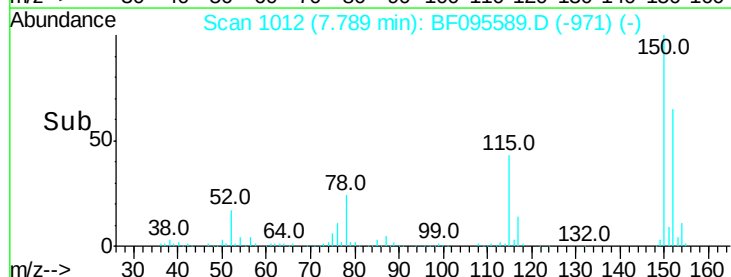
77 108.8 49.2 73.8#

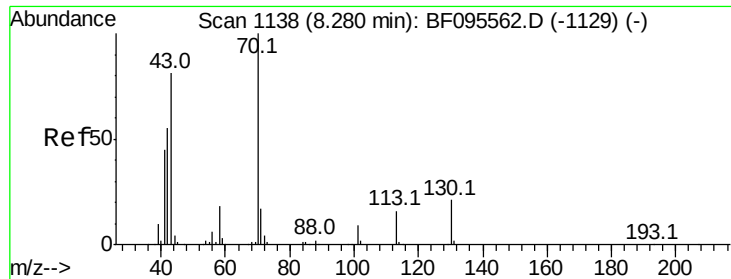


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

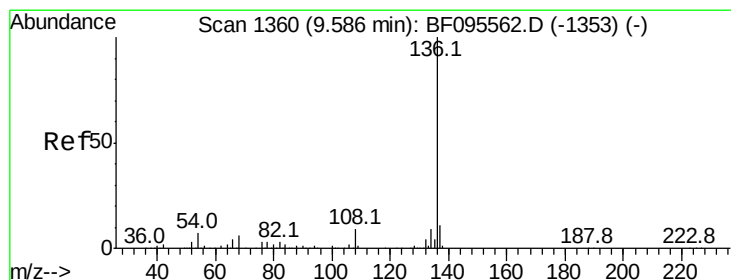
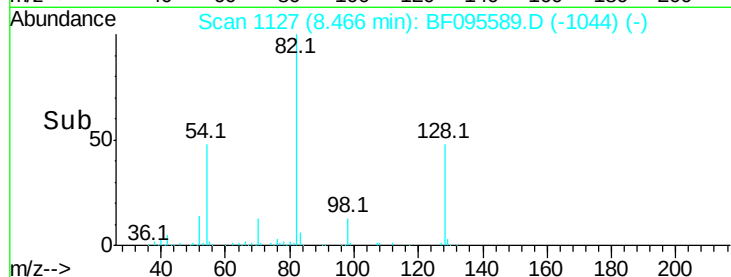
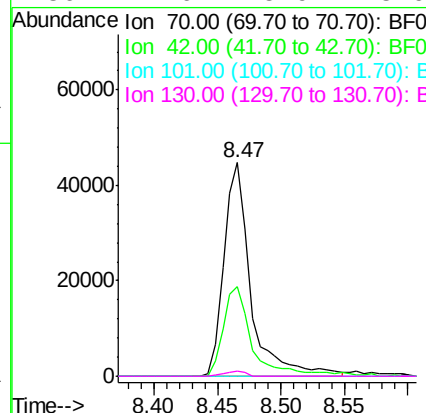
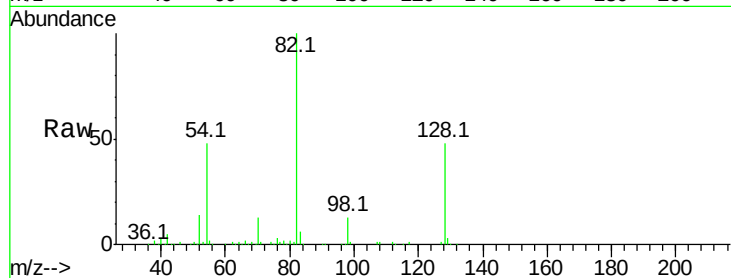




#19
n-Nitroso-di-n-propylamine
Concen: 17.52 ng
RT: 8.47 min Scan# 1127
Delta R.T. 0.19 min
Lab File: BF095589.D
Acq: 1 Jun 2017 6:29

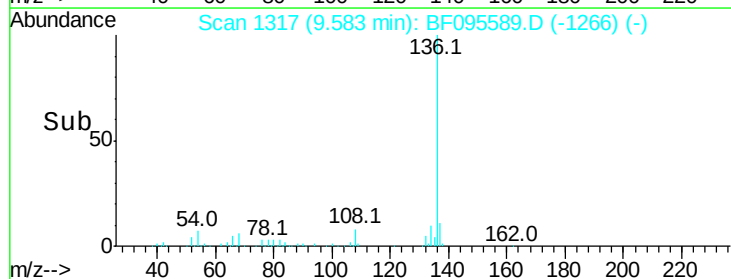
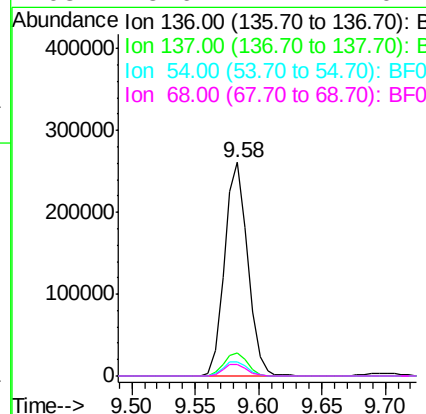
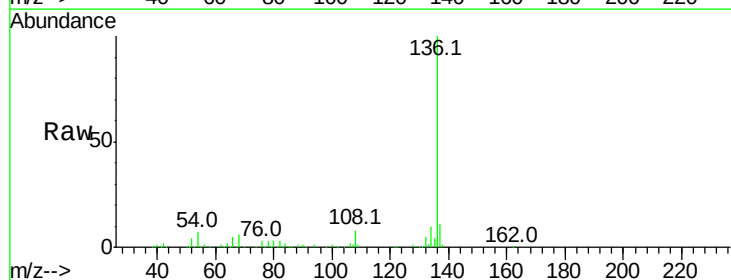
Instrument :
BNA_F
ClientSampleId :

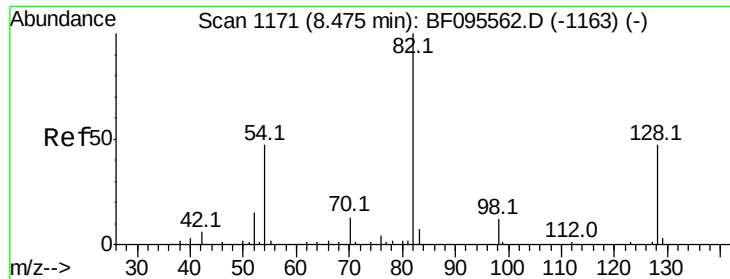
Tot Ion: 70 Resp: 66152
Ion Ratio Lower Upper
70 100
42 42.1 47.2 70.8#
101 0.0 7.2 10.8#
130 2.6 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.58 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BF095589.D
Acq: 1 Jun 2017 6:29

Tgt Ion: 136 Resp: 331383
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 6.7 4.9 7.3
68 5.6 4.1 6.1

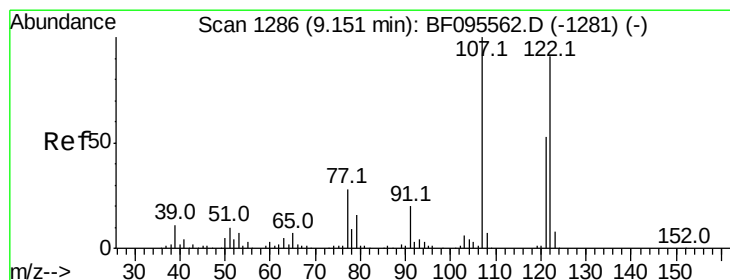
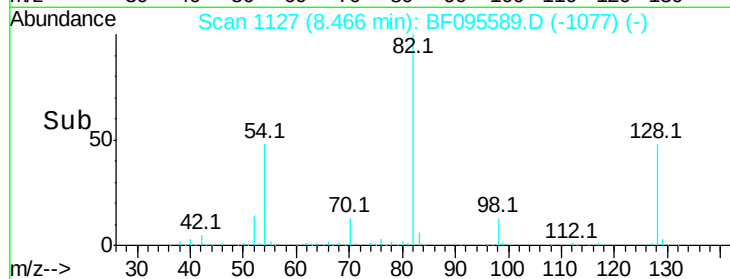
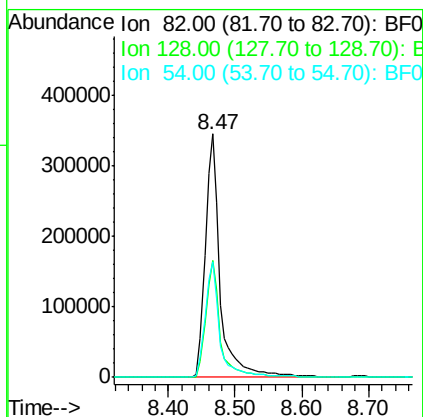
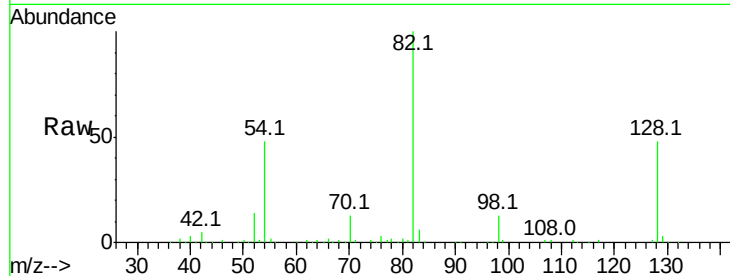




#23
 Nitrobenzene-d5
 Concen: 101.31 ng
 RT: 8.47 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BF095589.D
 Acq: 1 Jun 2017 6:29

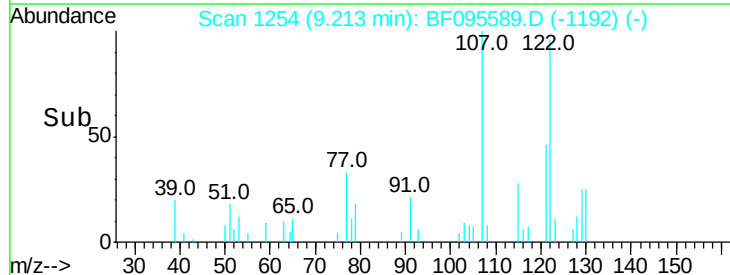
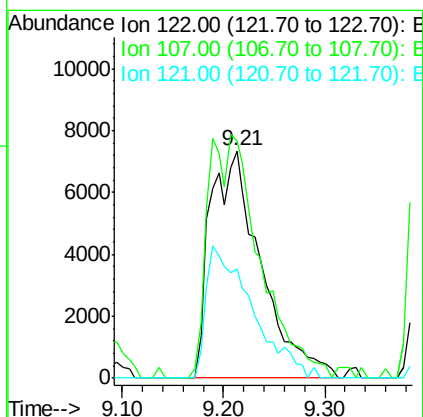
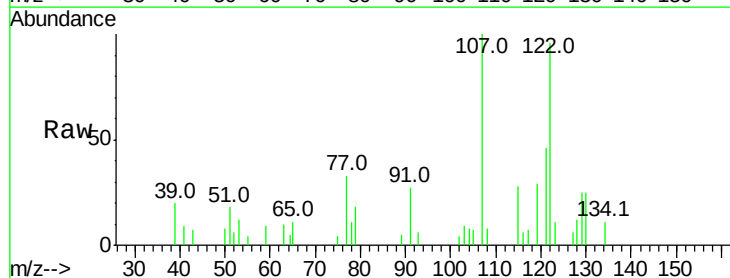
Instrument :
 BNA_F
 ClientSampleID :

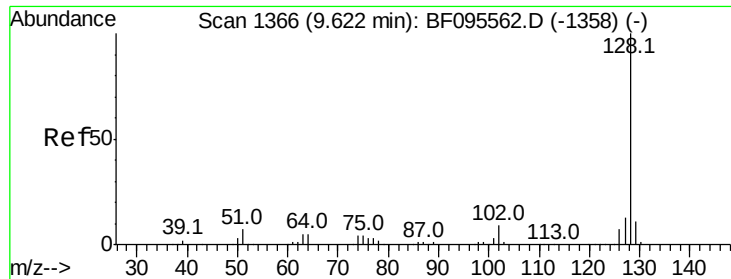
Tot Ion: 82 Resp: 532399
 Ion Ratio Lower Upper
 82 100
 128 48.0 34.0 51.0
 54 47.6 42.2 63.2



#27
 2,4-Dimethylphenol
 Concen: 5.31 ng
 RT: 9.21 min Scan# 1254
 Delta R.T. 0.06 min
 Lab File: BF095589.D
 Acq: 1 Jun 2017 6:29

Tgt Ion:122 Resp: 25525
 Ion Ratio Lower Upper
 122 100
 107 104.5 89.2 133.8
 121 48.2 45.2 67.8

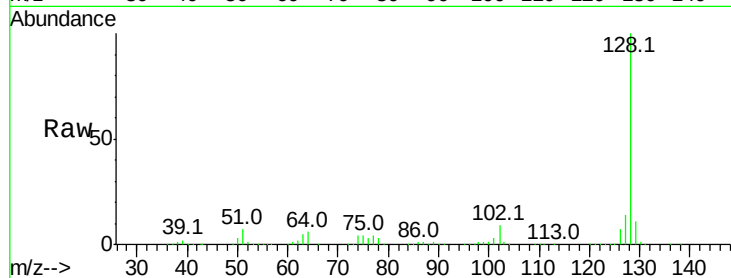




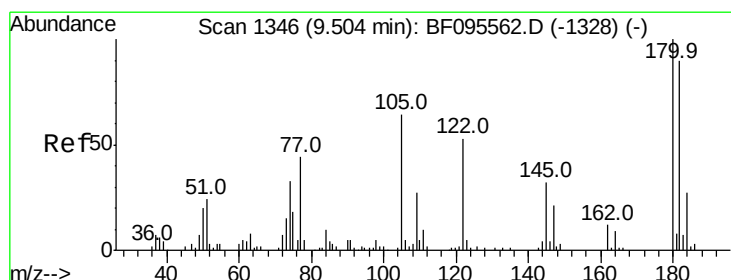
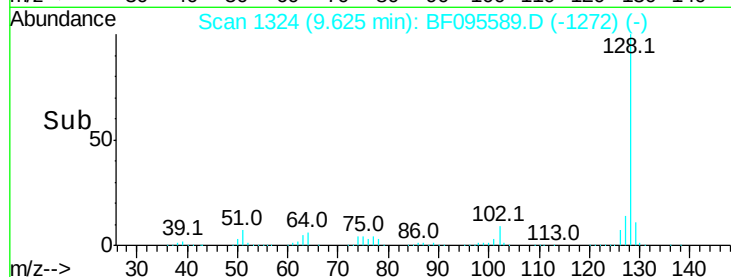
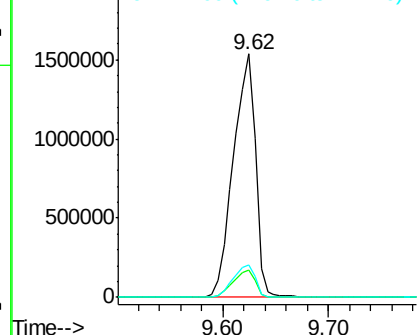
#31
Naphthalene
Concen: 133.86 ng
RT: 9.62 min Scan# 1324
Delta R.T. 0.00 min
Lab File: BF095589.D
Acq: 1 Jun 2017 6:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 2229414
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.5 10.8 16.2

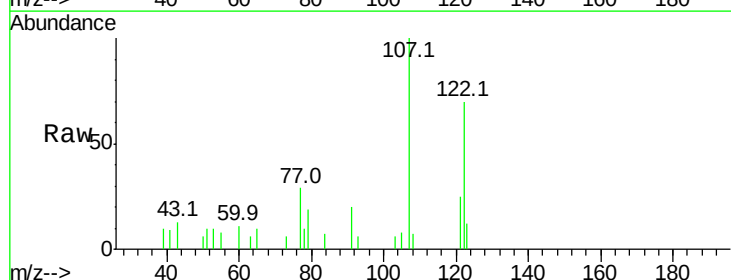


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

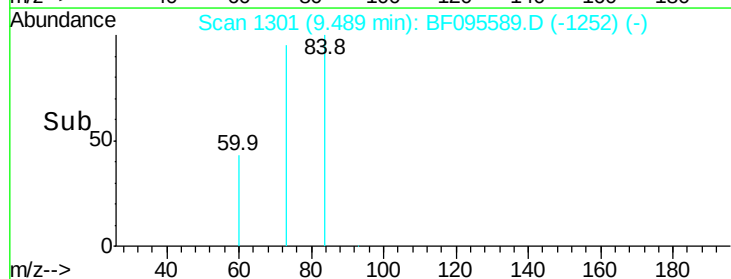
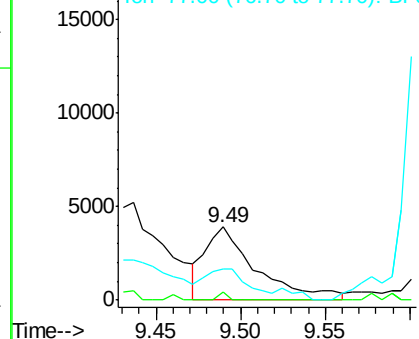


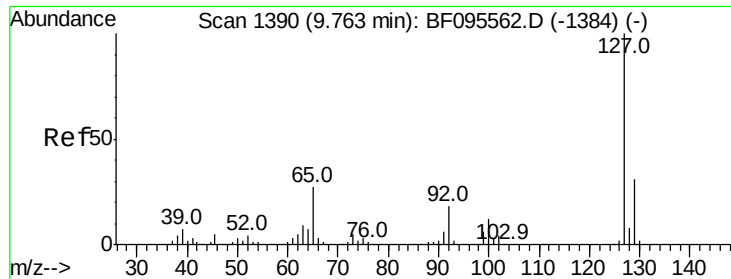
#32
Benzoic acid
Concen: 7.42 ng
RT: 9.49 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF095589.D
Acq: 1 Jun 2017 6:29

Tgt Ion:122 Resp: 8254
Ion Ratio Lower Upper
122 100
105 11.0 103.3 143.3#
77 42.3 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

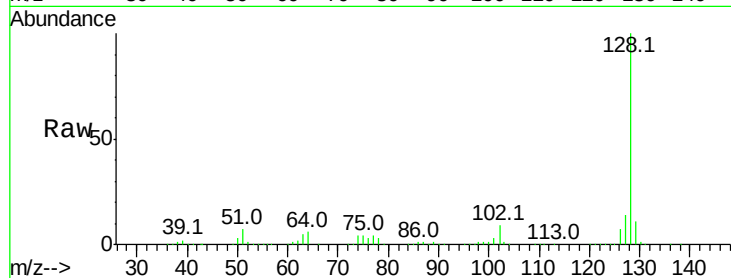




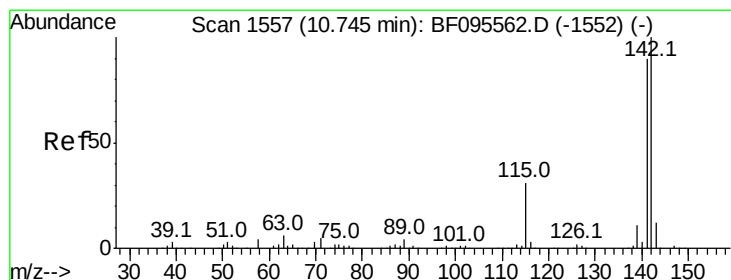
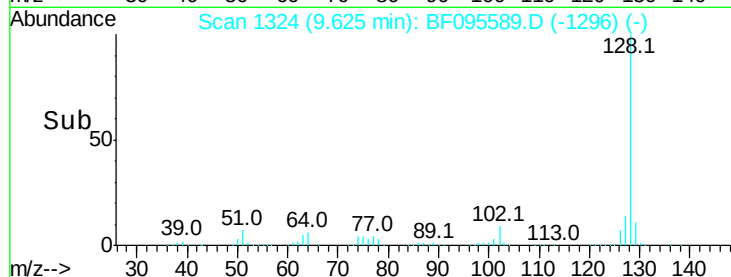
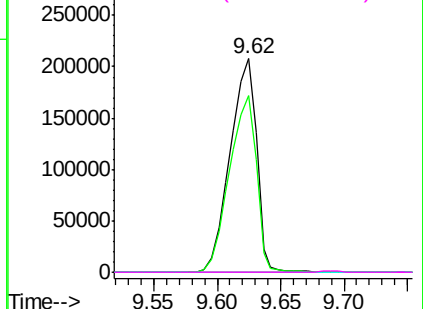
#33
4-Chloroaniline
Concen: 48.48 ng
RT: 9.62 min Scan# 1324
Delta R.T. -0.14 min
Lab File: BF095589.D
Acq: 1 Jun 2017 6:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:127 Resp: 300887
Ion Ratio Lower Upper
127 100
129 82.5 26.2 39.2#
65 0.0 27.8 41.8#
92 0.0 16.8 25.2#

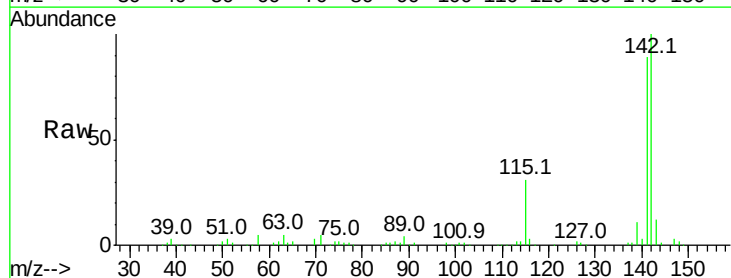


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

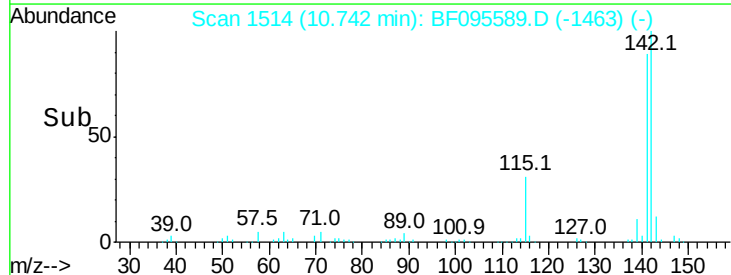
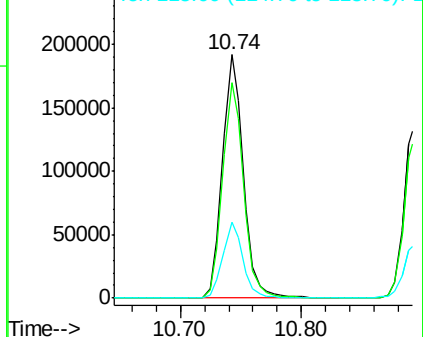


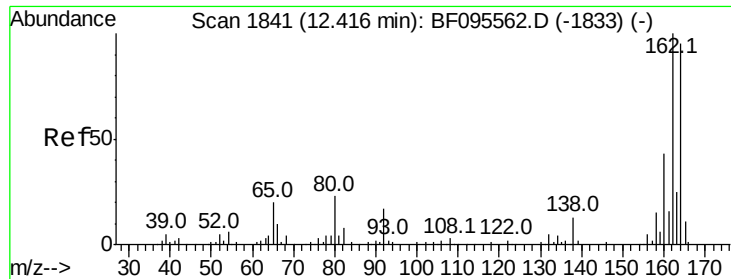
#37
2-Methylnaphthalene
Concen: 21.04 ng
RT: 10.74 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF095589.D
Acq: 1 Jun 2017 6:29

Tgt Ion:142 Resp: 230025
Ion Ratio Lower Upper
142 100
141 88.5 71.3 106.9
115 31.1 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: 12.41 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF095589.D

Acq: 1 Jun 2017 6:29

Instrument :

BNA_F

ClientSampleId :

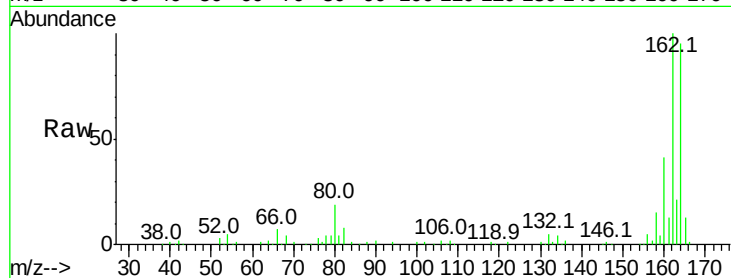
Tot Ion:164 Resp: 139128

Ion Ratio Lower Upper

164 100

162 105.0 82.6 123.8

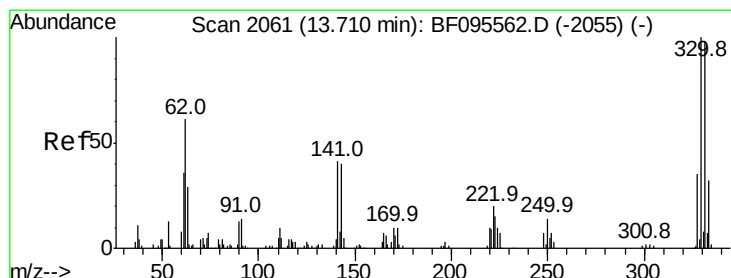
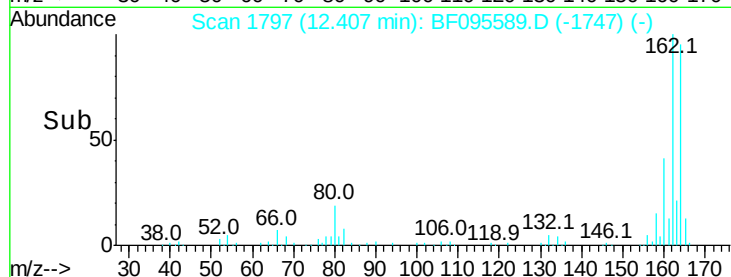
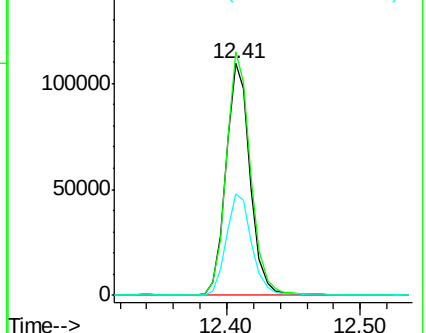
160 43.6 36.2 54.2



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: 137.86 ng

RT: 13.71 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF095589.D

Acq: 1 Jun 2017 6:29

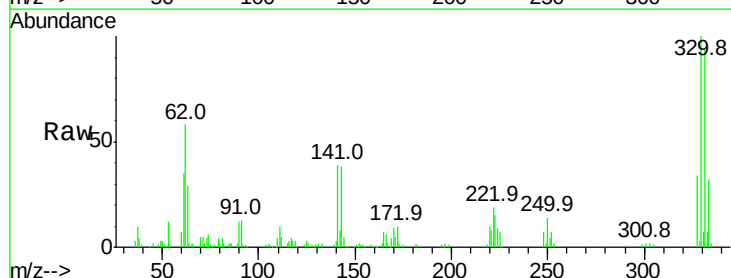
Tgt Ion:330 Resp: 157079

Ion Ratio Lower Upper

330 100

332 96.2 76.6 115.0

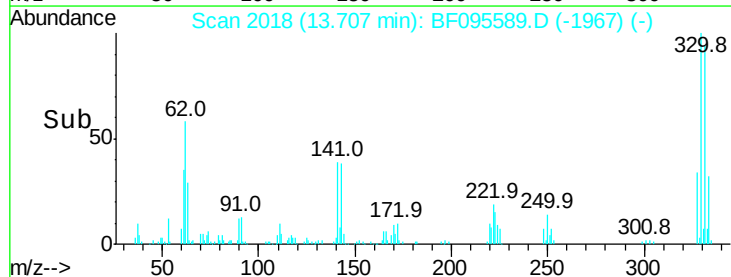
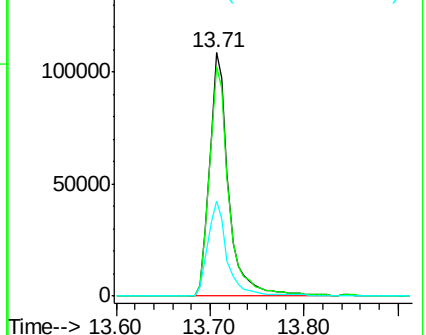
141 39.8 31.4 47.2

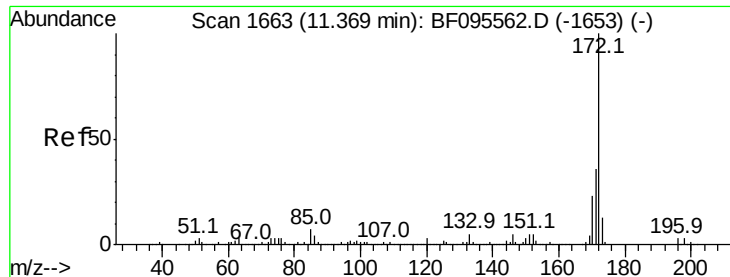


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

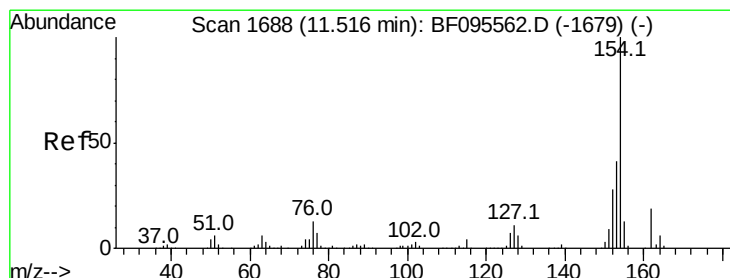
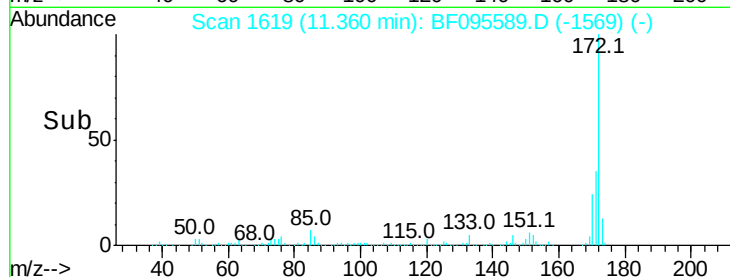
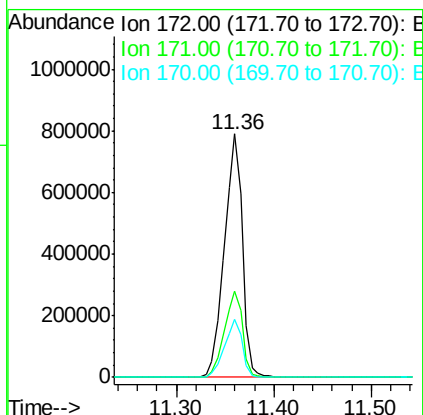
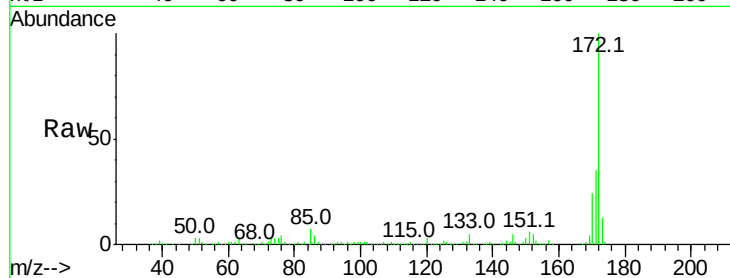




#44
2-Fluorobiphenyl
Concen: 104.48 ng
RT: 11.36 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BF095589.D
Acq: 1 Jun 2017 6:29

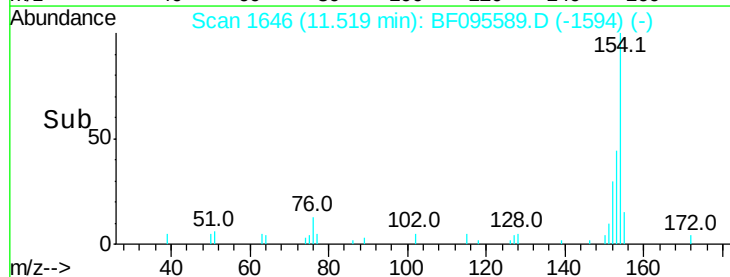
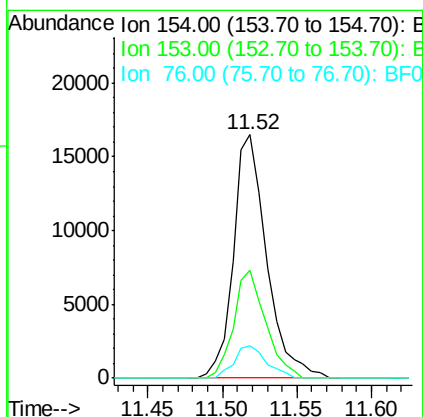
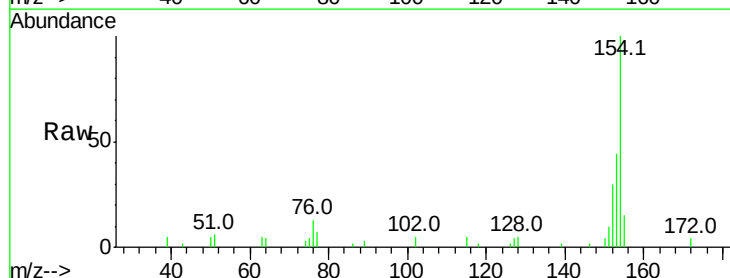
Instrument :
BNA_F
ClientSampleId :

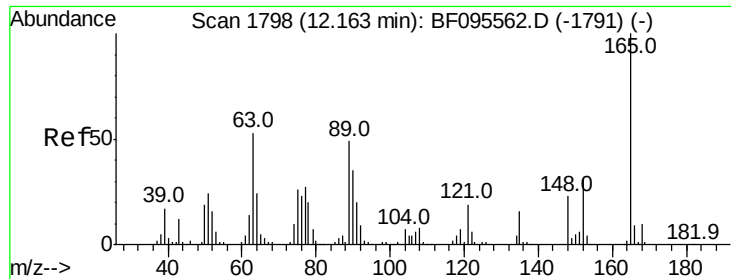
Tot Ion:172 Resp: 1009881
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 23.7 19.8 29.8



#45
1,1'-Biphenyl
Concen: 2.19 ng
RT: 11.52 min Scan# 1646
Delta R.T. 0.00 min
Lab File: BF095589.D
Acq: 1 Jun 2017 6:29

Tgt Ion:154 Resp: 25599
Ion Ratio Lower Upper
154 100
153 44.4 21.2 61.2
76 13.3 0.0 29.9

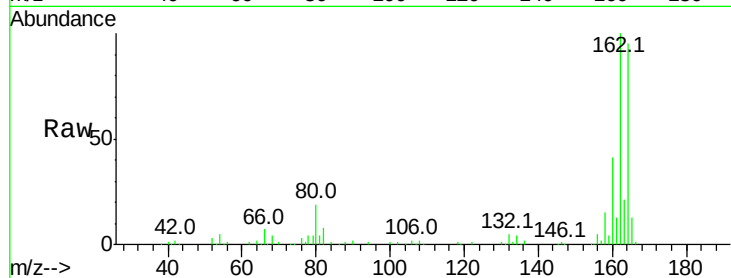




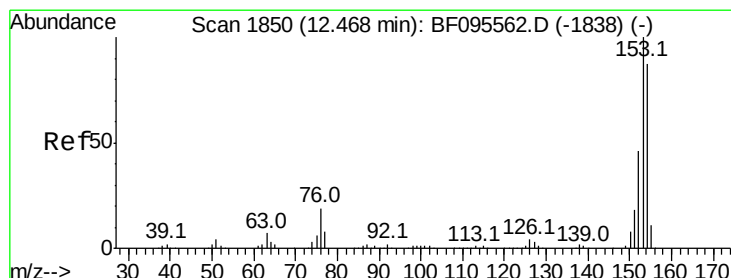
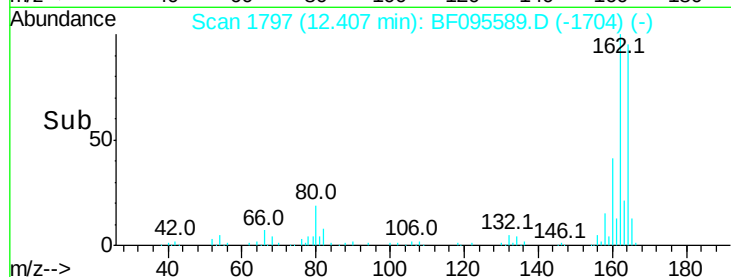
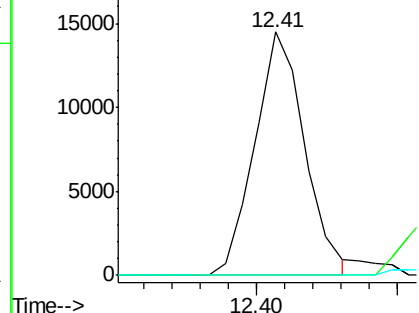
#50
2,6-Dinitrotoluene
Concen: 7.62 ng
RT: 12.41 min Scan# 1797
Delta R.T. 0.24 min
Lab File: BF095589.D
Acq: 1 Jun 2017 6:29

Instrument :
BNA_F
ClientSampleId :

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

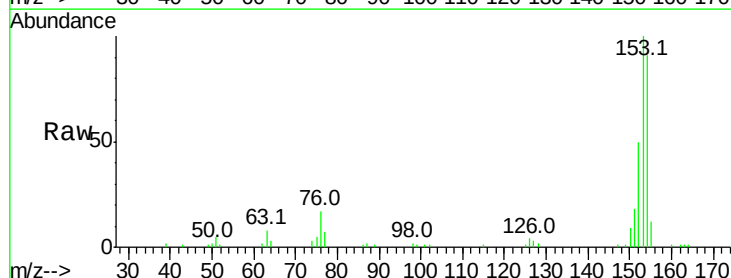


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

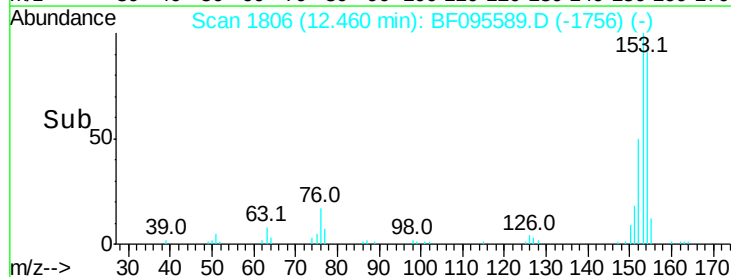
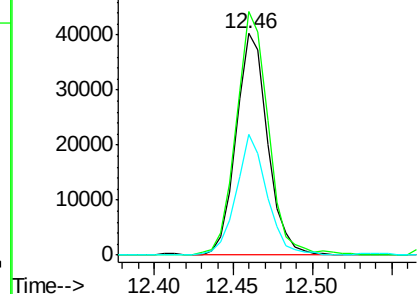


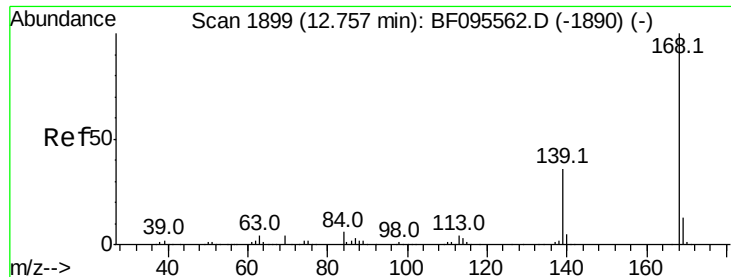
#51
Acenaphthene
Concen: 6.27 ng
RT: 12.46 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF095589.D
Acq: 1 Jun 2017 6:29

Tgt Ion	Ratio	Lower	Upper
154	100		
153	109.8	90.5	135.7
152	54.7	43.6	65.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 2.27 ng

RT: 12.76 min Scan# 1857

Delta R.T. 0.00 min

Lab File: BF095589.D

Acq: 1 Jun 2017 6:29

Instrument :

BNA_F

ClientSampleId :

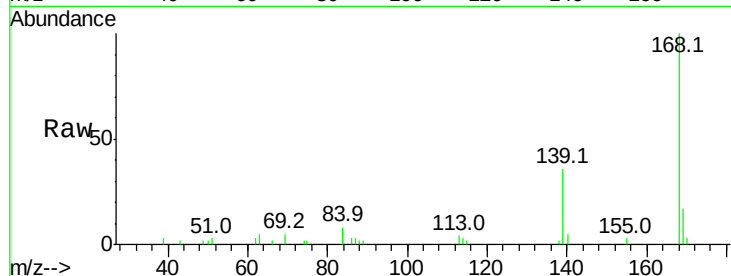
Tot Ion:168 Resp: 27760

Ion Ratio Lower Upper

168 100

139 36.2 30.6 45.8

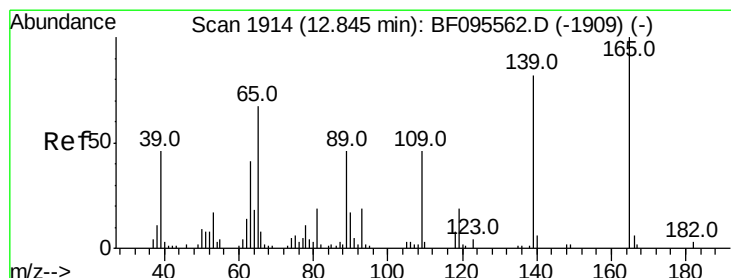
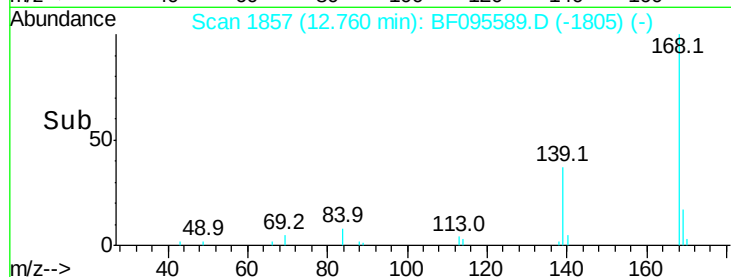
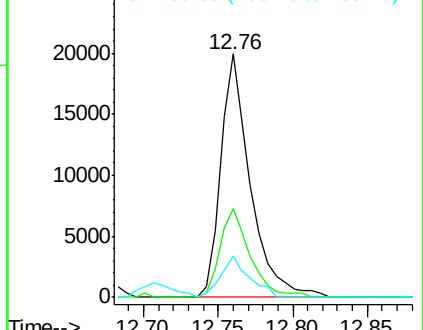
169 16.9 10.8 16.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 6.87 ng

RT: 12.76 min Scan# 1857

Delta R.T. -0.09 min

Lab File: BF095589.D

Acq: 1 Jun 2017 6:29

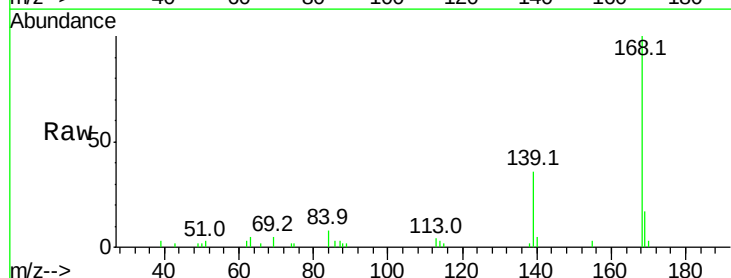
Tgt Ion:139 Resp: 10318

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

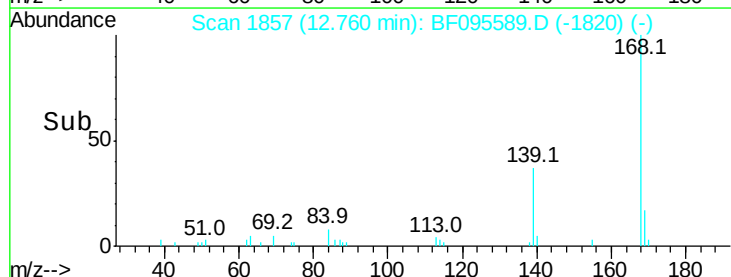
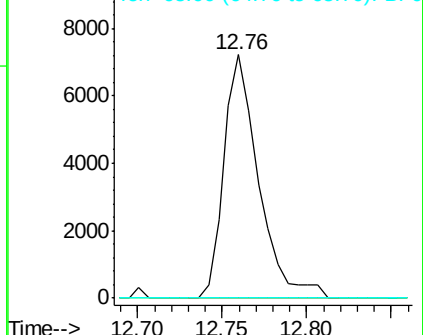
65 0.0 31.4 71.4#

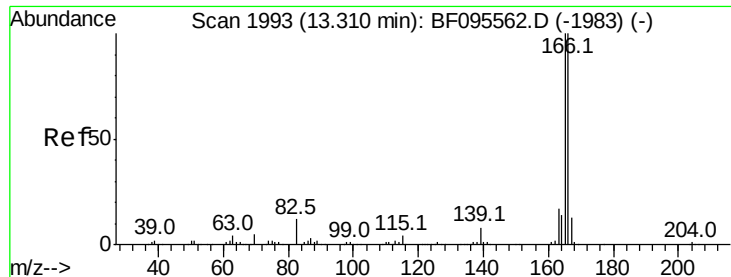


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#57

Fluorene

Concen: 3.29 ng

RT: 13.31 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BF095589.D

Acq: 1 Jun 2017 6:29

Instrument :

BNA_F

ClientSampleId :

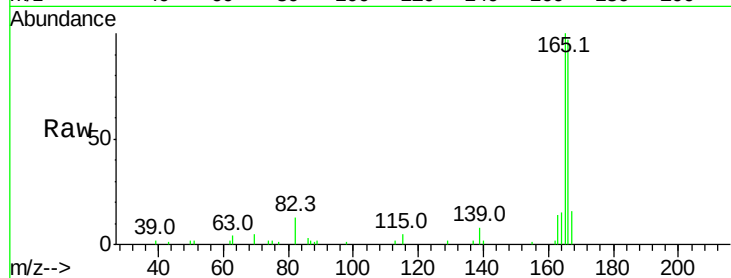
Tot Ion:166 Resp: 34984

Ion Ratio Lower Upper

166 100

165 103.6 78.8 118.2

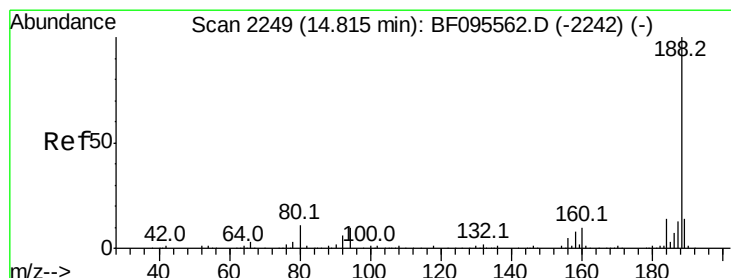
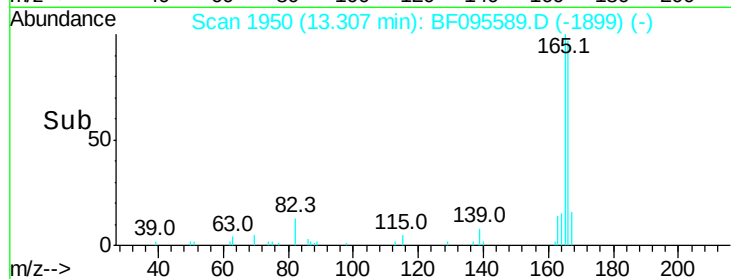
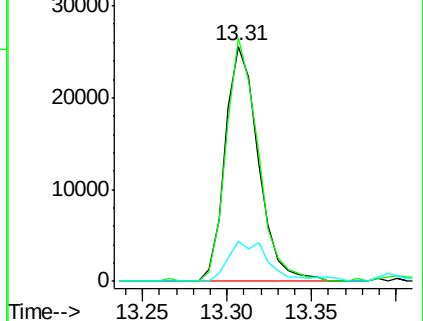
167 16.9 10.6 16.0#



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: 14.81 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BF095589.D

Acq: 1 Jun 2017 6:29

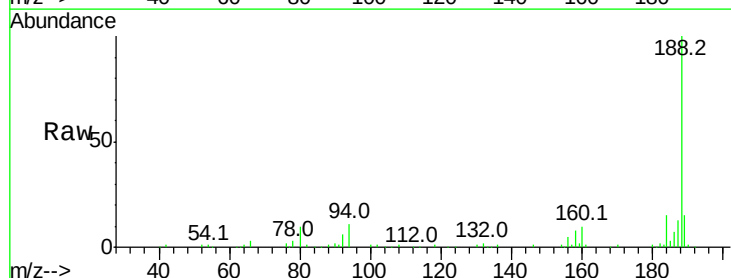
Tgt Ion:188 Resp: 191187

Ion Ratio Lower Upper

188 100

94 10.9 9.4 14.2

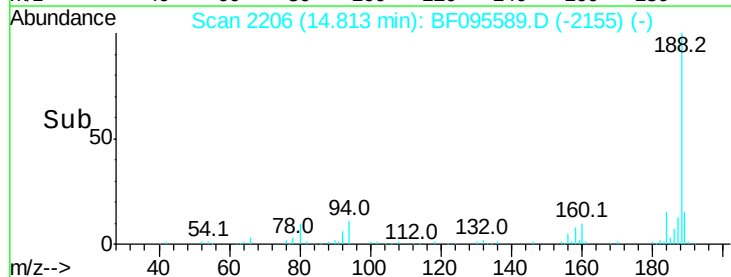
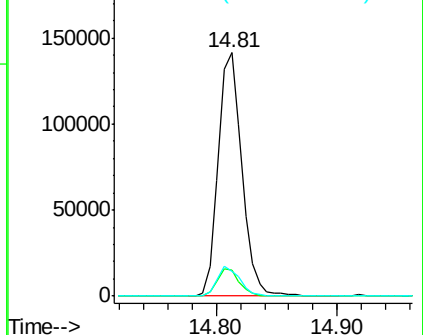
80 10.0 10.2 15.2#

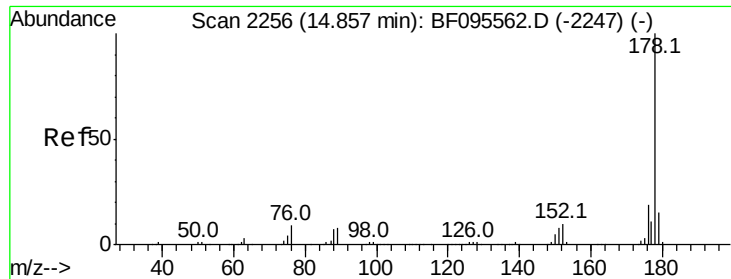


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

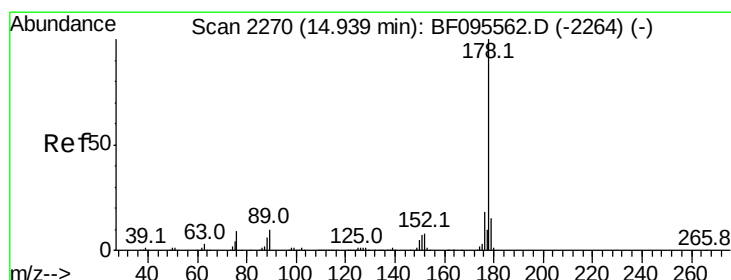
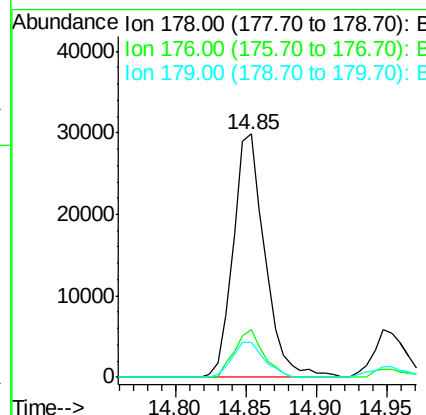
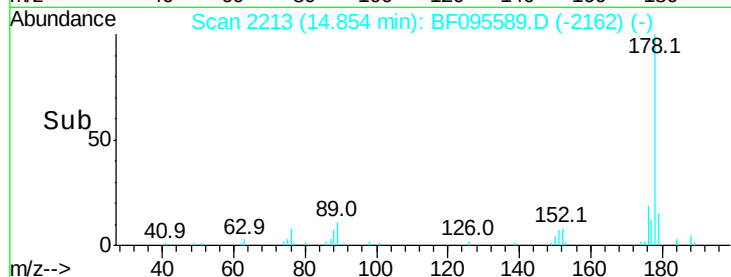
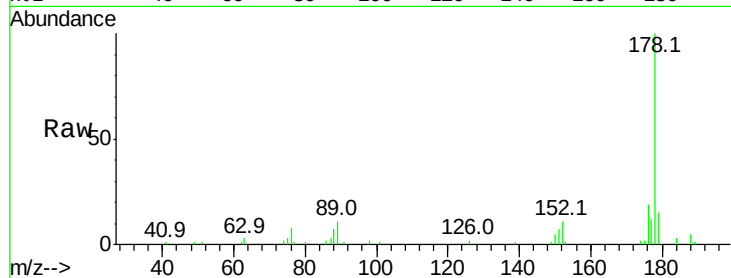




#70
 Phenanthrene
 Concen: 4.25 ng
 RT: 14.85 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: BF095589.D
 Acq: 1 Jun 2017 6:29

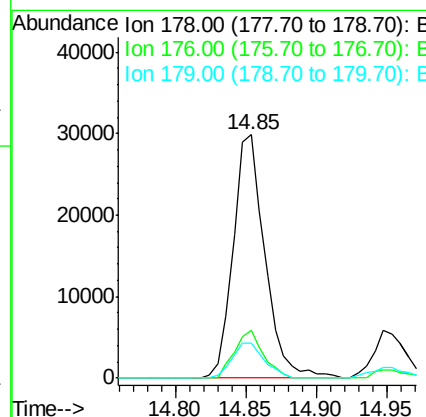
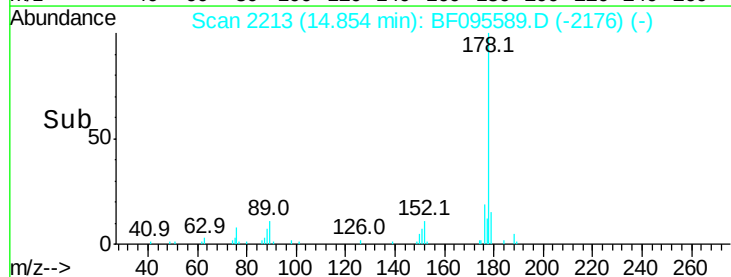
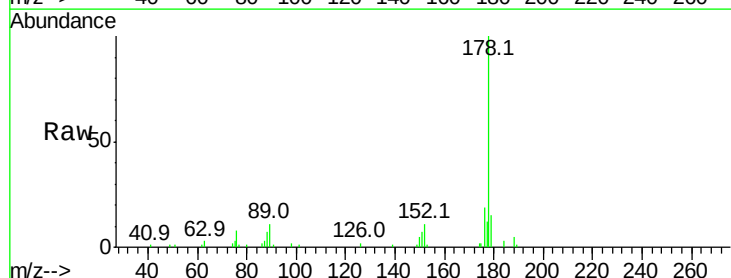
Instrument :
 BNA_F
 ClientSampleId :

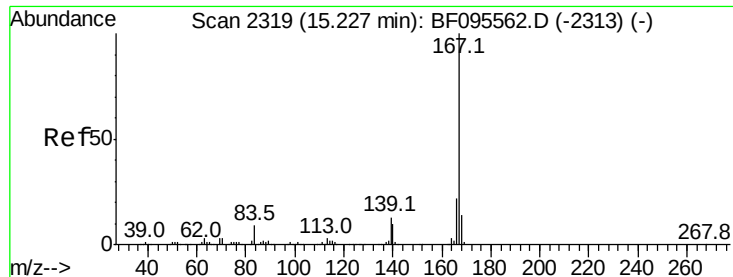
Tot Ion:178 Resp: 46712
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.2 24.4
 179 14.5 12.6 19.0



#71
 Anthracene
 Concen: 4.16 ng
 RT: 14.85 min Scan# 2213
 Delta R.T. -0.09 min
 Lab File: BF095589.D
 Acq: 1 Jun 2017 6:29

Tgt Ion:178 Resp: 46712
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 14.5 12.7 19.1





#72

Carbazole

Concen: 9.63 ng

RT: 15.23 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BF095589.D

Acq: 1 Jun 2017 6:29

Instrument :

BNA_F

ClientSampleId :

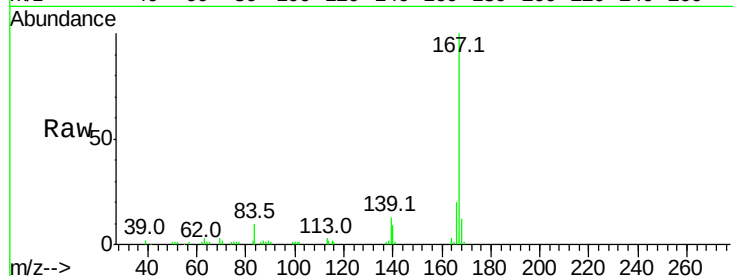
Tot Ion:167 Resp: 98312

Ion Ratio Lower Upper

167 100

166 20.3 18.1 27.1

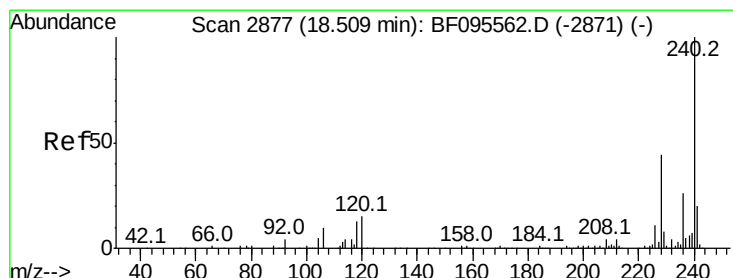
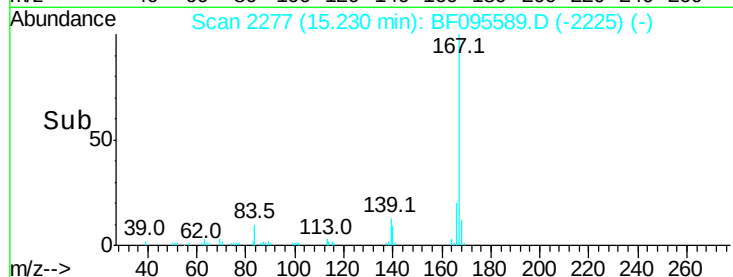
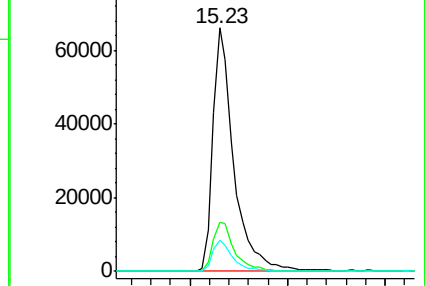
139 12.6 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.51 min Scan# 2834

Delta R.T. -0.00 min

Lab File: BF095589.D

Acq: 1 Jun 2017 6:29

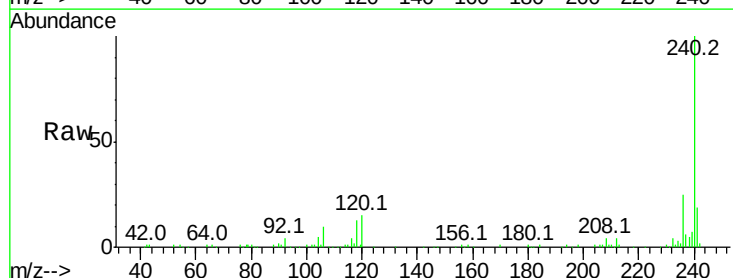
Tgt Ion:240 Resp: 169933

Ion Ratio Lower Upper

240 100

120 15.4 5.8 8.8#

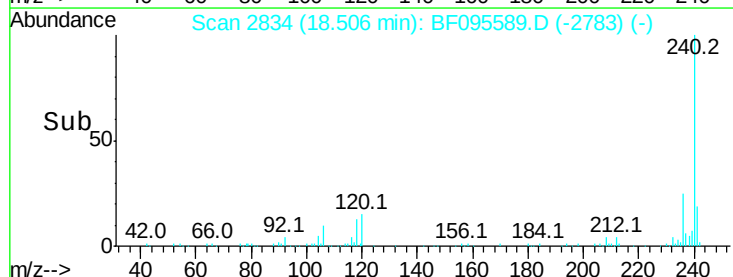
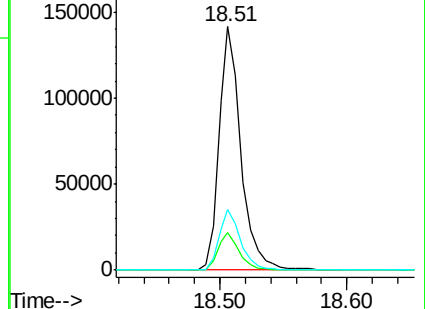
236 25.0 20.5 30.7

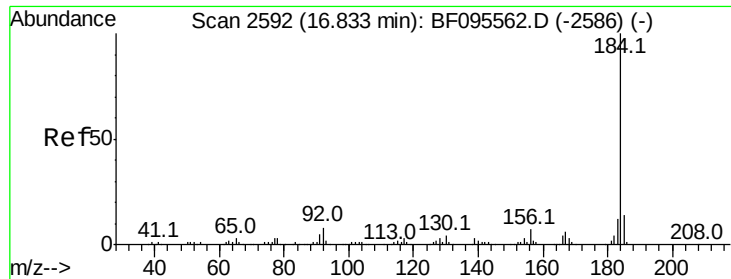


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 7.40 ng

RT: 16.87 min Scan# 2556

Delta R.T. 0.04 min

Lab File: BF095589.D

Acq: 1 Jun 2017 6:29

Instrument :

BNA_F

ClientSampleId :

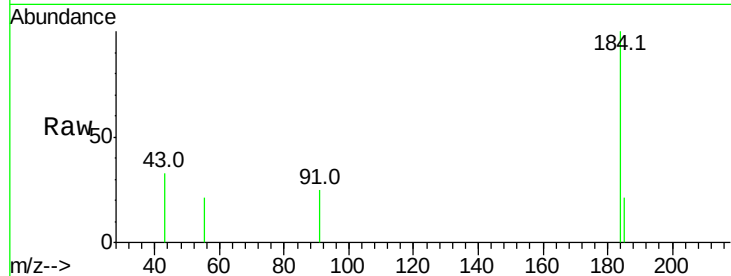
Tot Ion:184 Resp: 4299

Ion Ratio Lower Upper

184 100

185 21.3 15.5 23.3

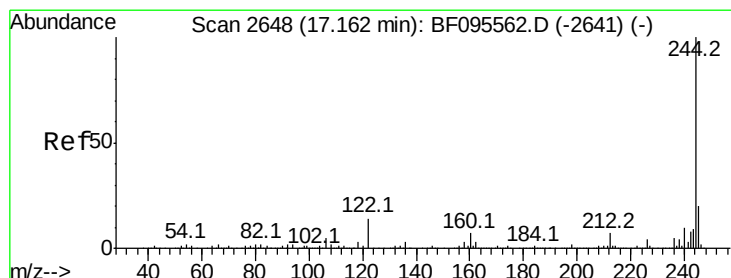
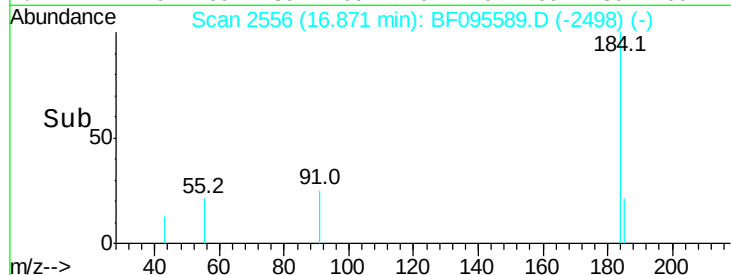
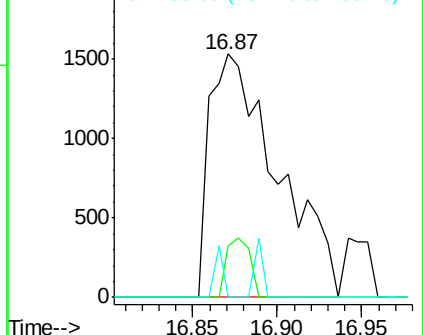
183 0.0 9.8 14.6#



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: 85.40 ng

RT: 17.16 min Scan# 2605

Delta R.T. -0.00 min

Lab File: BF095589.D

Acq: 1 Jun 2017 6:29

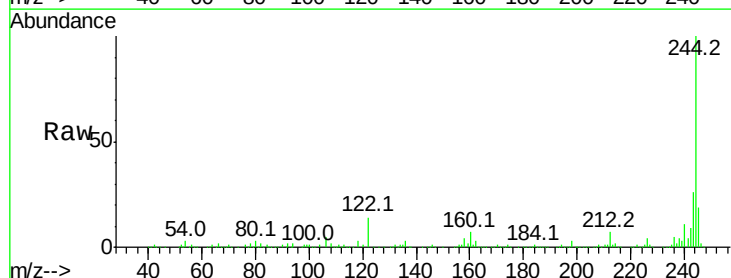
Tgt Ion:244 Resp: 658900

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

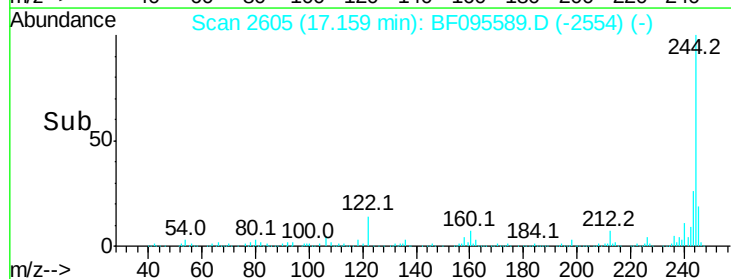
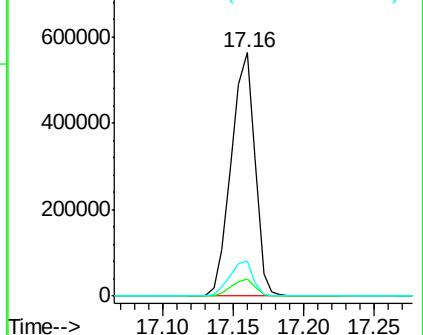
122 14.4 10.3 15.5

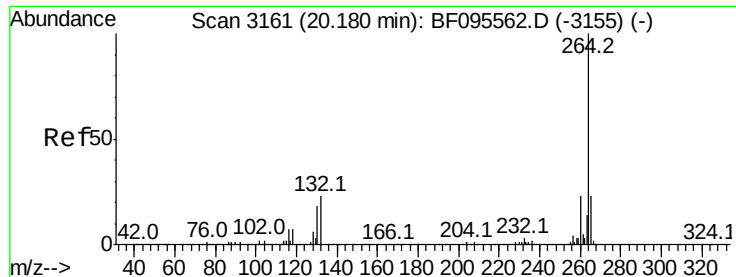


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

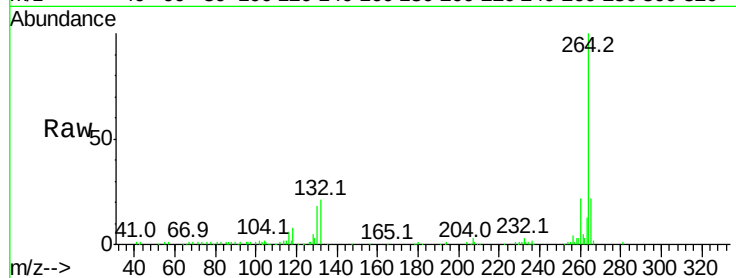




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.18 min Scan# 3119
Delta R.T. 0.00 min
Lab File: BF095589.D
Acq: 1 Jun 2017 6:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.5	19.5	29.3
265	21.6	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

