

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053017\
 Data File : BF095555.D
 Acq On : 31 May 2017 5:03
 Operator : SJ/MA
 Sample : I3388-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 08:37:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

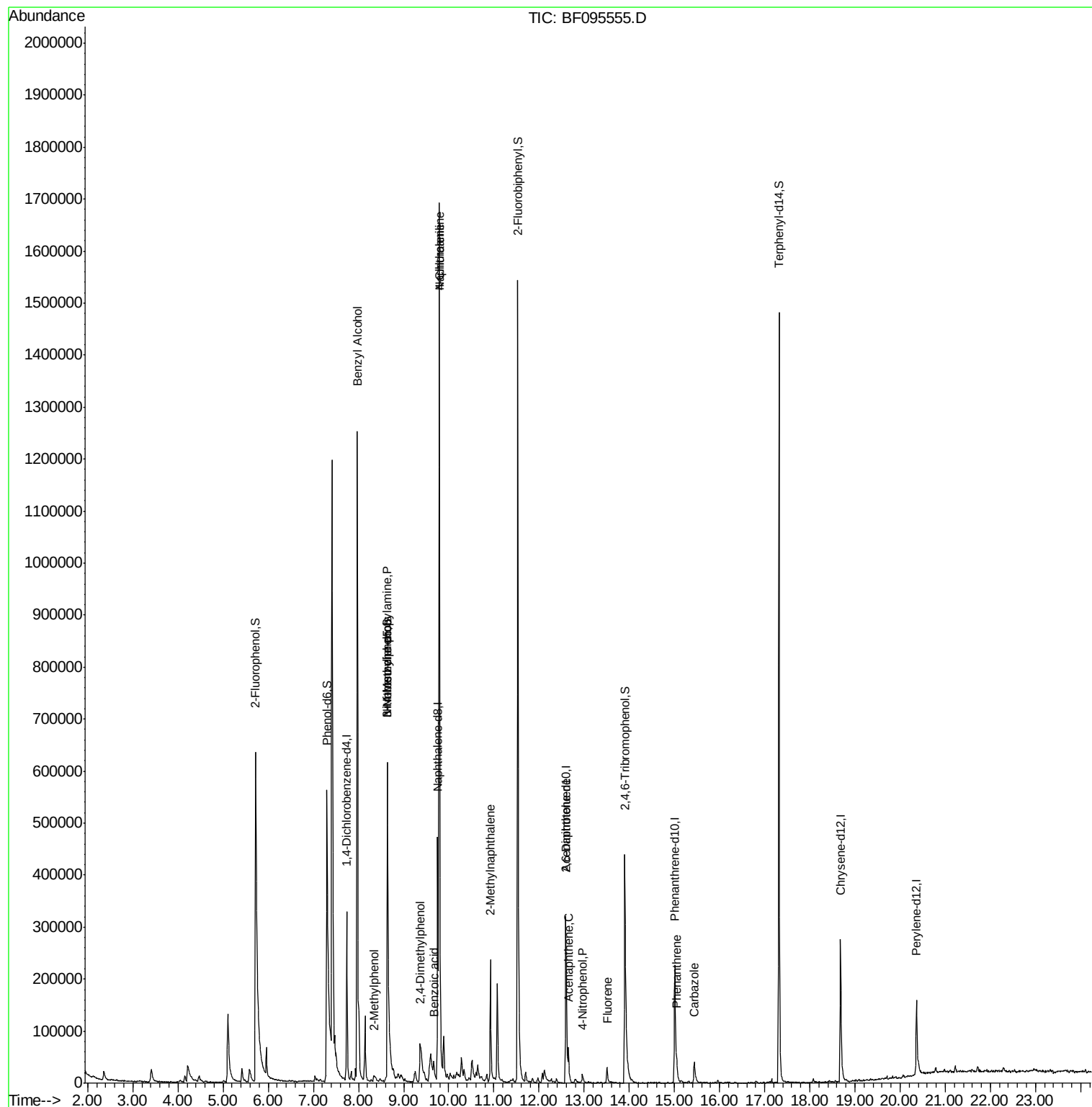
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	79539	20.00	ng	0.00
21) Naphthalene-d8	9.75	136	302755	20.00	ng	0.00
38) Acenaphthene-d10	12.60	164	119631	20.00	ng	0.00
63) Phenanthrene-d10	15.01	188	180106	20.00	ng	0.00
75) Chrysene-d12	18.68	240	176572	20.00	ng	0.00
86) Perylene-d12	20.37	264	100951	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	622958	130.58	ng	0.01
7) Phenol-d6	7.30	99	675486	118.01	ng	0.00
23) Nitrobenzene-d5	8.64	82	433277	90.24	ng	-0.01
41) 2,4,6-Tribromophenol	13.91	330	120287	122.77	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	846534	101.85	ng	0.00
78) Terphenyl-d14	17.32	244	654522	81.65	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	7.98	79	7621	2.07	ng	# 38
17) 2-Methylphenol	8.35	107	11769	2.65	ng	# 95
19) n-Nitroso-di-n-propylamine	8.64	70	50527	13.05	ng	# 76
20) 3+4-Methylphenols	8.65	107	16819	2.79	ng	# 59
27) 2,4-Dimethylphenol	9.38	122	40609	9.25	ng	97
31) Naphthalene	9.79	128	1256785	82.59	ng	100
32) Benzoic acid	9.67	122	13049	9.13	ng	# 17
33) 4-Chloroaniline	9.79	127	168024	29.63	ng	# 31
37) 2-Methylnaphthalene	10.92	142	112960	11.31	ng	96
50) 2,6-Dinitrotoluene	12.60	165	13323	6.65	ng	# 31
51) Acenaphthene	12.65	154	25419	3.34	ng	96
55) 4-Nitrophenol	12.97	139	5297	4.10	ng	# 25
57) Fluorene	13.50	166	18531	2.02	ng	# 85
70) Phenanthrene	15.05	178	23771	2.30	ng	97
72) Carbazole	15.44	167	52752	5.48	ng	97

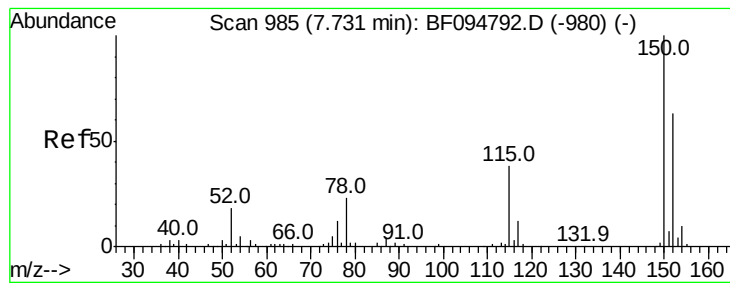
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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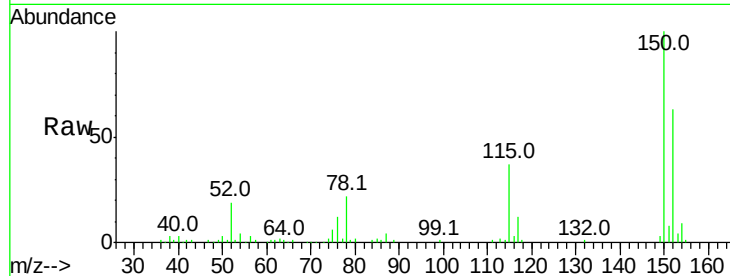


#1

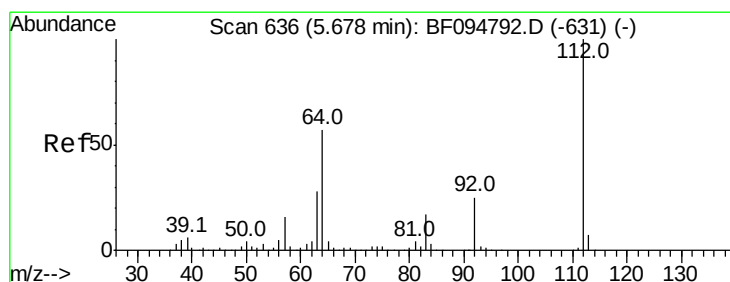
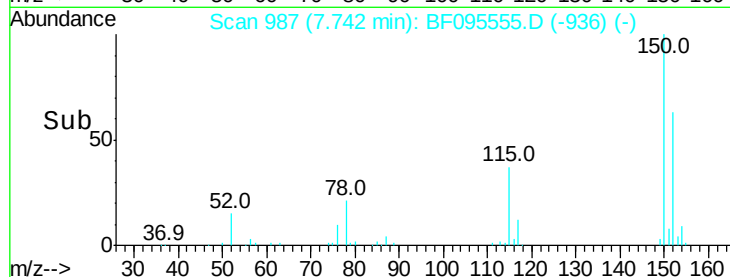
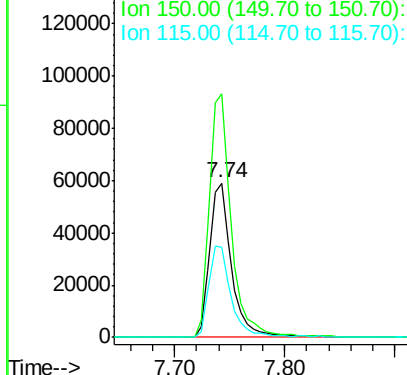
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF095555.D
Acq: 31 May 2017 5:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 79539
Ion Ratio Lower Upper
152 100
150 158.0 126.2 189.2
115 58.5 52.2 78.2



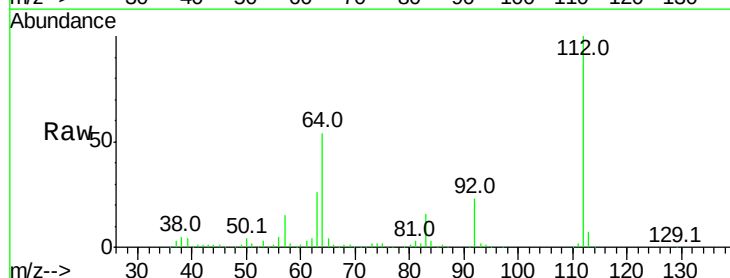
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



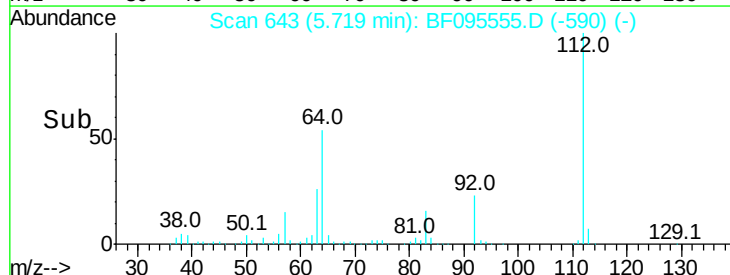
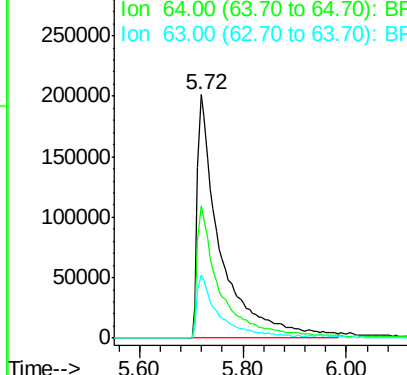
#5

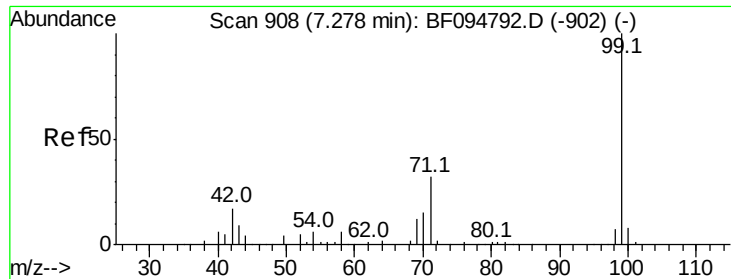
2-Fluorophenol
Concen: 130.58 ng
RT: 5.72 min Scan# 643
Delta R.T. 0.01 min
Lab File: BF095555.D
Acq: 31 May 2017 5:03

Tgt Ion:112 Resp: 622958
Ion Ratio Lower Upper
112 100
64 54.1 46.0 69.0
63 25.7 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: 118.01 ng

RT: 7.30 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF095555.D

Acq: 31 May 2017 5:03

Instrument :

BNA_F

ClientSampled :

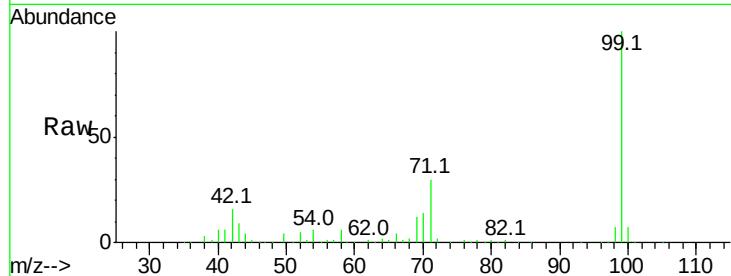
Tot Ion: 99 Resp: 675486

Ion Ratio Lower Upper

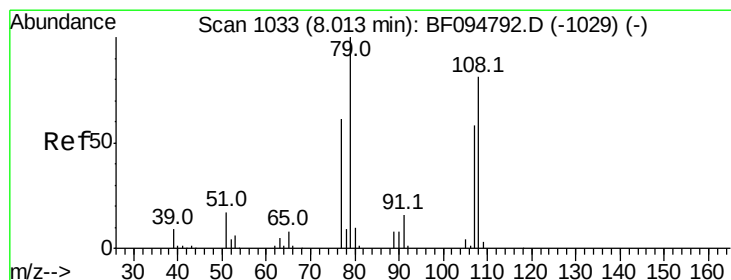
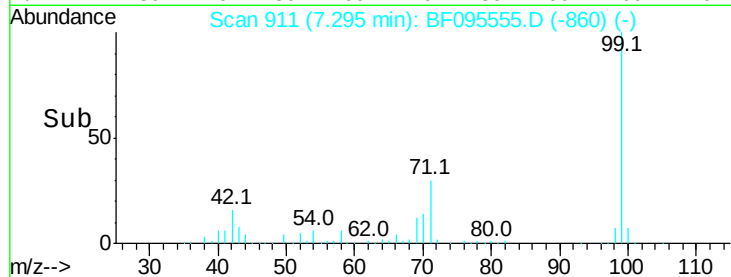
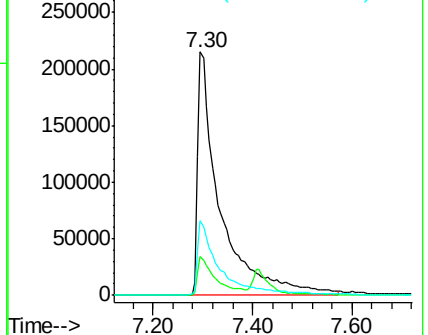
99 100

42 15.9 13.5 20.3

71 30.4 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: 2.07 ng

RT: 7.98 min Scan# 1027

Delta R.T. -0.06 min

Lab File: BF095555.D

Acq: 31 May 2017 5:03

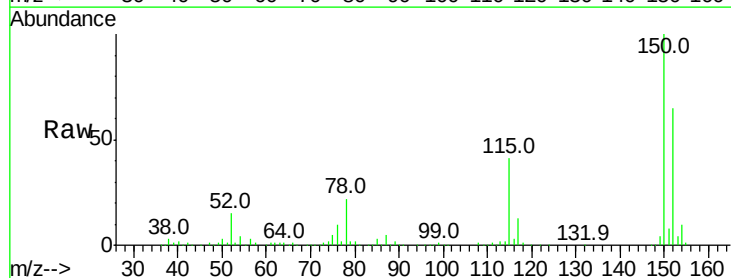
Tgt Ion: 79 Resp: 7621

Ion Ratio Lower Upper

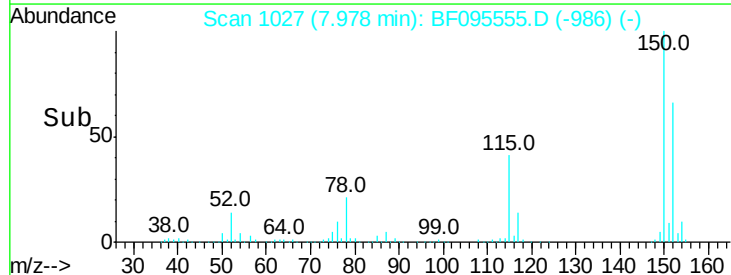
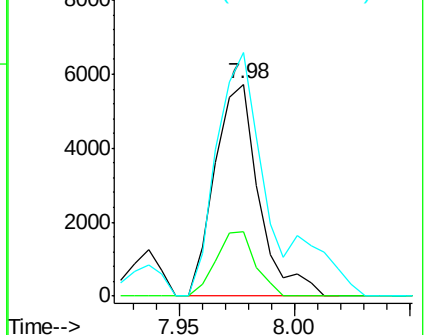
79 100

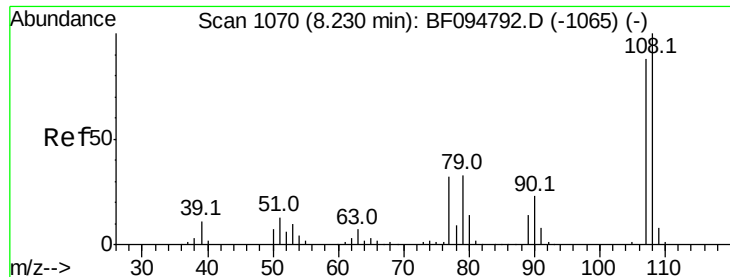
108 30.6 63.4 95.0#

77 114.7 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





#17

2-Methylphenol

Concen: 2.65 ng

RT: 8.35 min Scan# 1090

Delta R.T. 0.11 min

Lab File: BF095555.D

Acq: 31 May 2017 5:03

Instrument :

BNA_F

ClientSampled :

Tot Ion:107 Resp: 11769

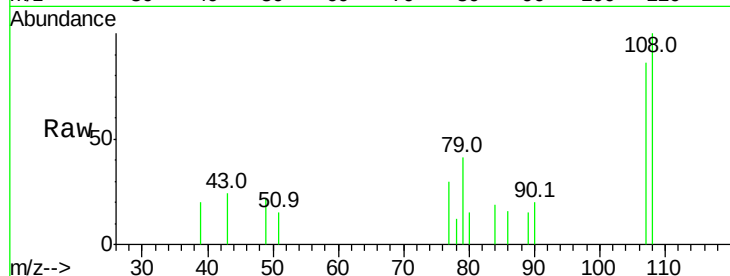
Ion Ratio Lower Upper

107 100

108 115.8 93.4 140.0

77 34.7 35.8 53.6#

79 47.4 34.8 52.2

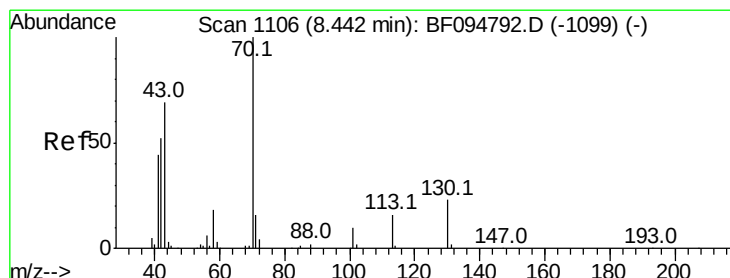
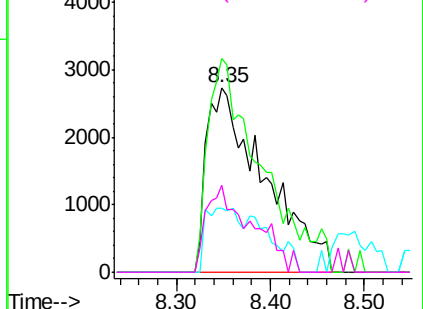
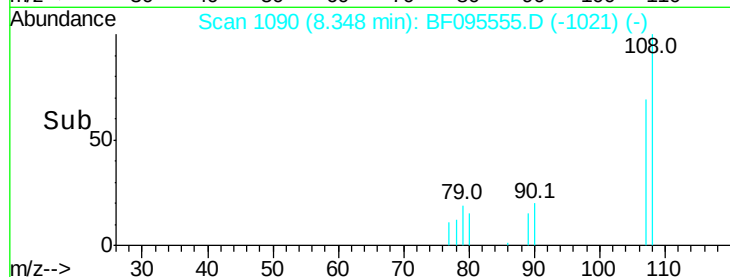


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.05 ng

RT: 8.64 min Scan# 1140

Delta R.T. 0.18 min

Lab File: BF095555.D

Acq: 31 May 2017 5:03

Tgt Ion: 70 Resp: 50527

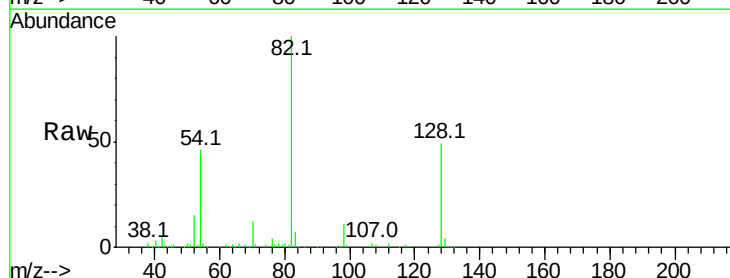
Ion Ratio Lower Upper

70 100

42 44.1 47.2 70.8#

101 0.0 7.2 10.8#

130 3.3 15.9 23.9#

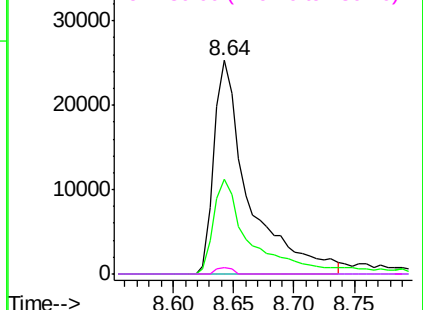
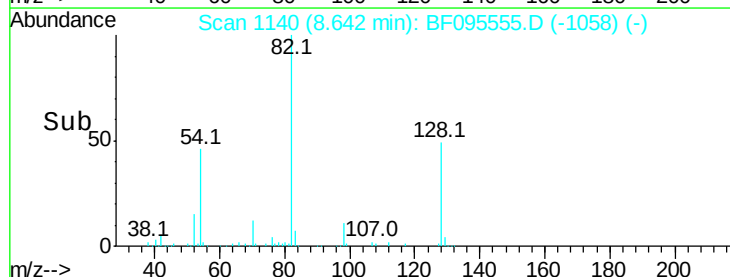


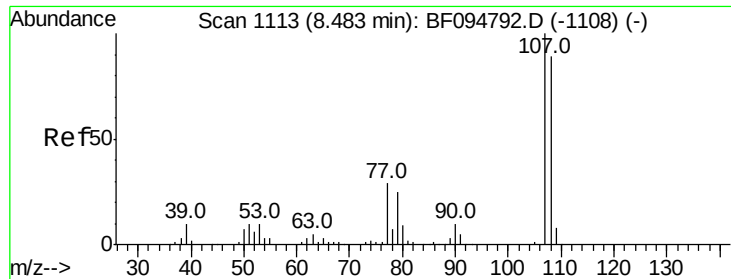
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

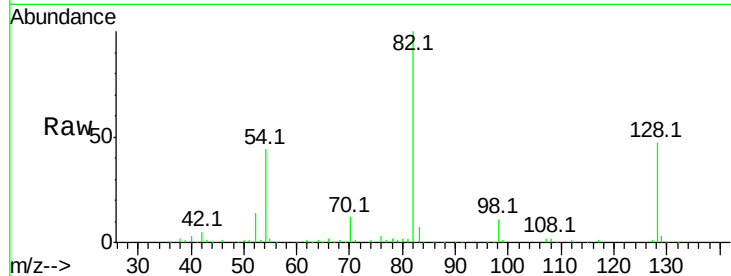




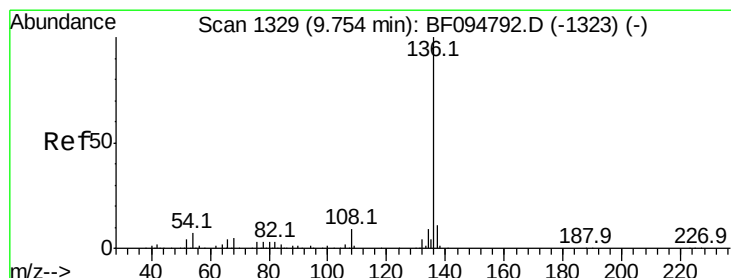
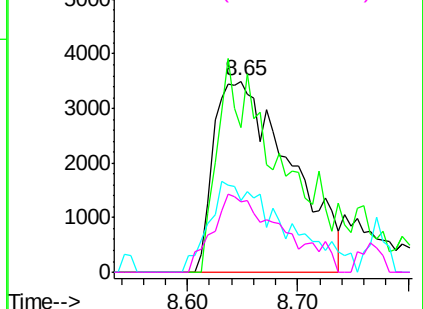
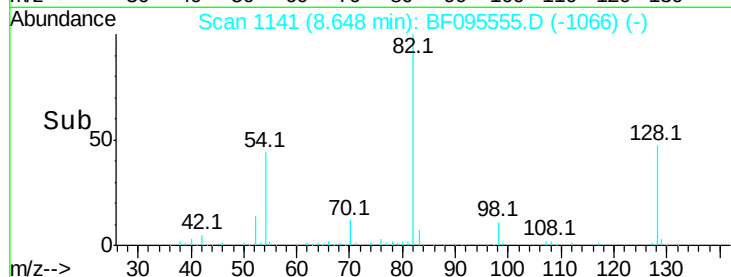
#20
 3+4-Methylphenols
 Concen: 2.79 ng
 RT: 8.65 min Scan# 1141
 Delta R.T. 0.14 min
 Lab File: BF095555.D
 Acq: 31 May 2017 5:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:107 Resp: 16819
 Ion Ratio Lower Upper
 107 100
 108 75.9 71.0 111.0
 77 37.7 90.5 130.5#
 79 36.9 8.4 48.4

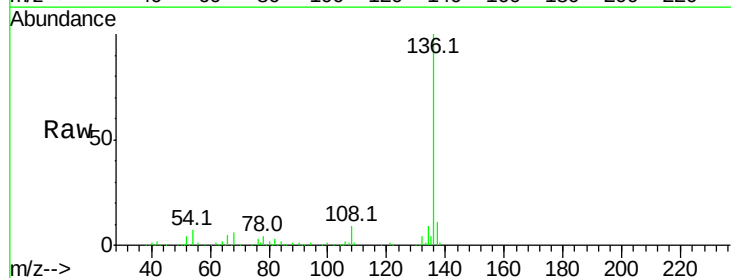


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BF0
 Ion 79.00 (78.70 to 79.70): BF0

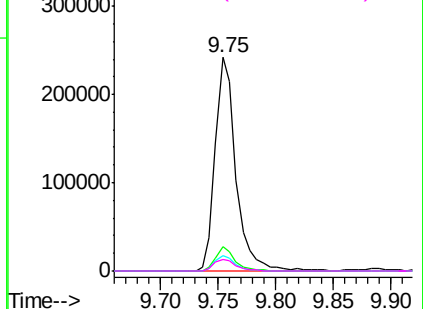
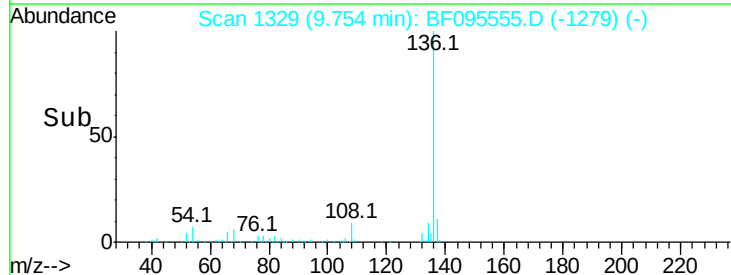


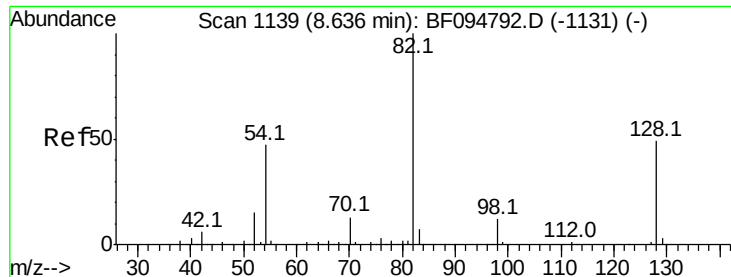
#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 9.75 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: BF095555.D
 Acq: 31 May 2017 5:03

Tgt Ion:136 Resp: 302755
 Ion Ratio Lower Upper
 136 100
 137 11.1 8.5 12.7
 54 7.0 4.9 7.3
 68 5.5 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

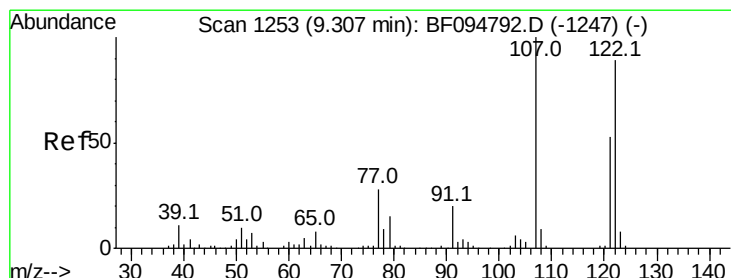
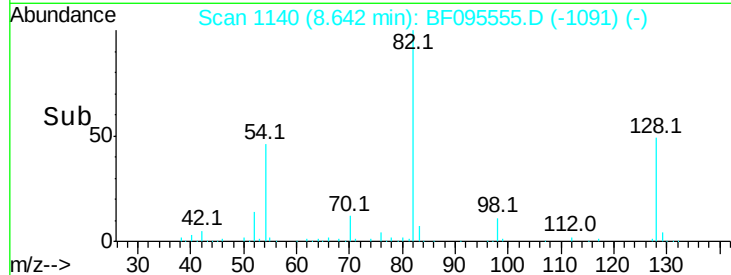
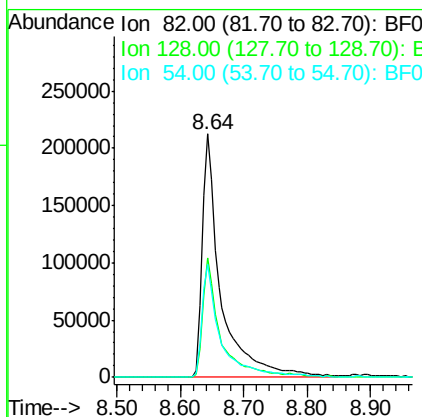
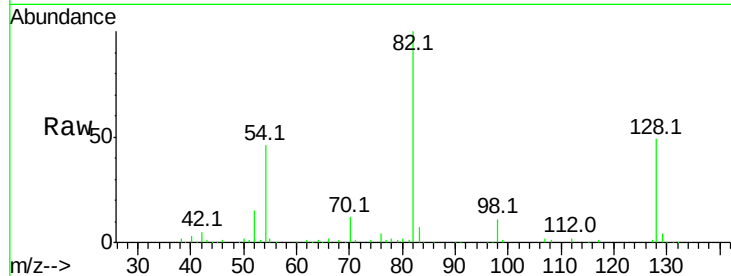




#23
 Nitrobenzene-d5
 Concen: 90.24 ng
 RT: 8.64 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: BF095555.D
 Acq: 31 May 2017 5:03

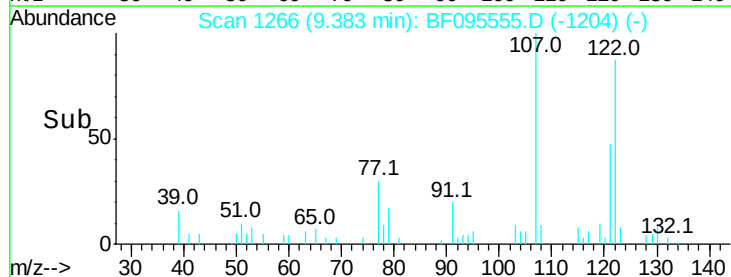
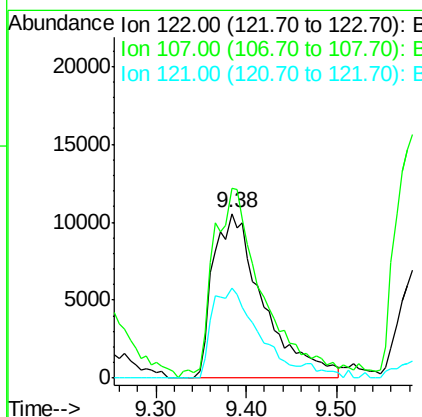
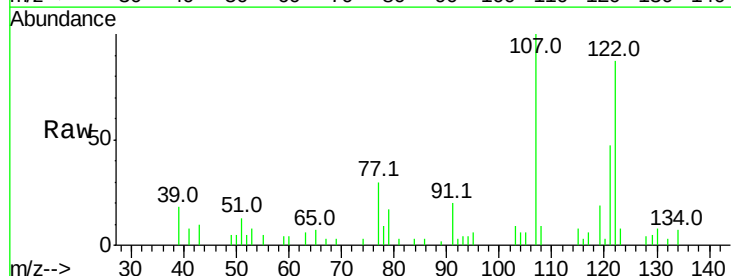
Instrument :
 BNA_F
 ClientSampleId :

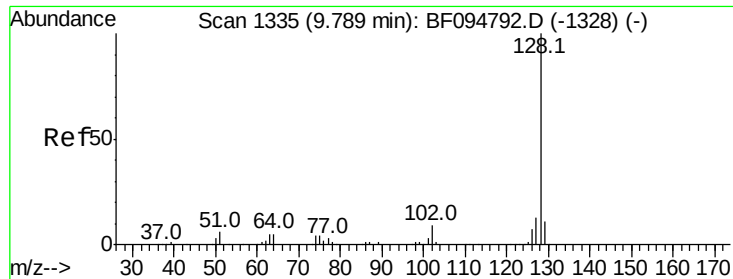
Tot Ion: 82 Resp: 433277
 Ion Ratio Lower Upper
 82 100
 128 49.0 34.0 51.0
 54 46.4 42.2 63.2



#27
 2,4-Dimethylphenol
 Concen: 9.25 ng
 RT: 9.38 min Scan# 1266
 Delta R.T. 0.06 min
 Lab File: BF095555.D
 Acq: 31 May 2017 5:03

Tgt Ion:122 Resp: 40609
 Ion Ratio Lower Upper
 122 100
 107 115.0 89.2 133.8
 121 54.6 45.2 67.8

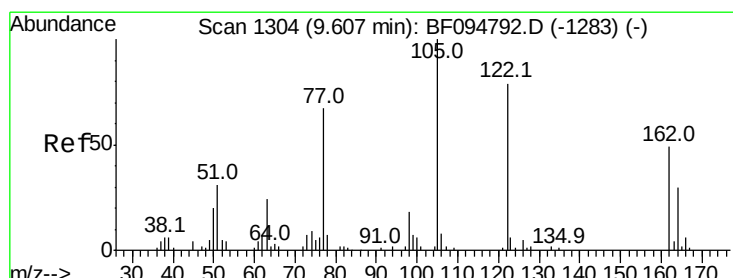
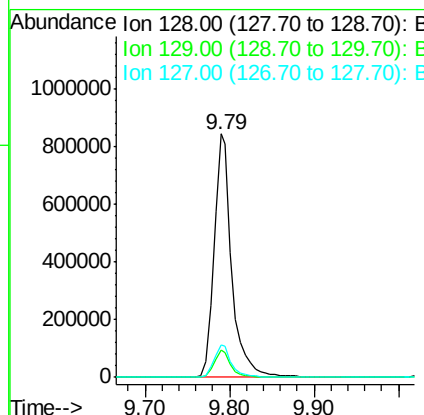
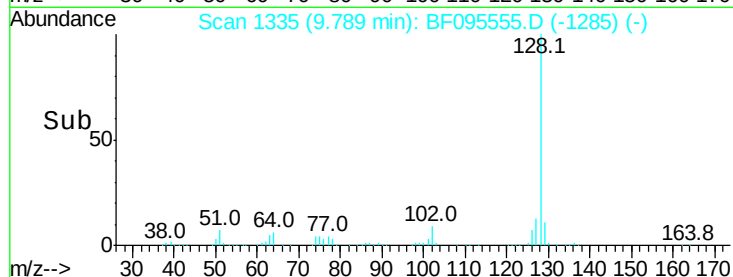
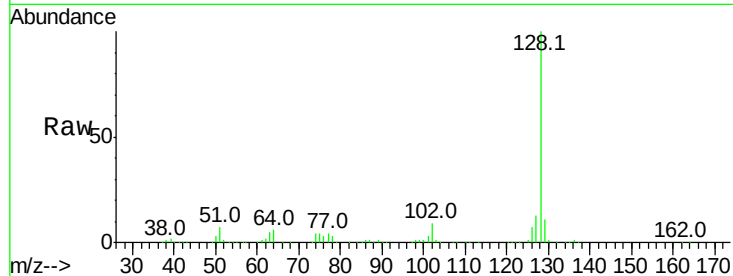




#31
Naphthalene
Concen: 82.59 ng
RT: 9.79 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF095555.D
Acq: 31 May 2017 5:03

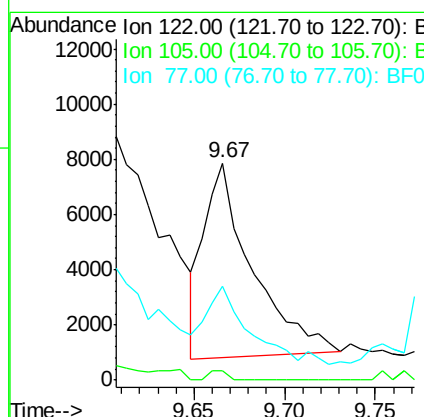
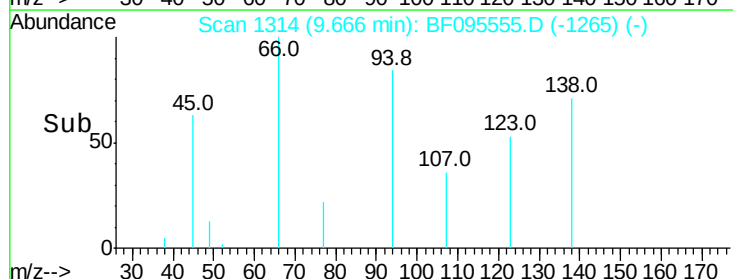
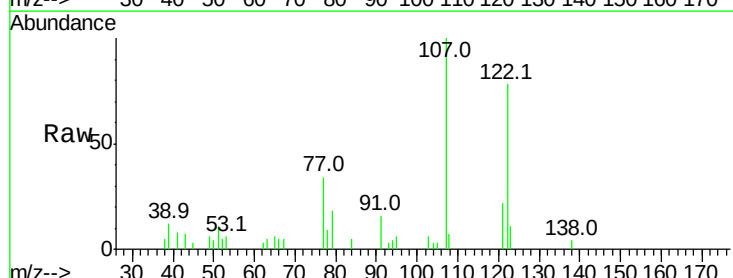
Instrument :
BNA_F
ClientSampleId :

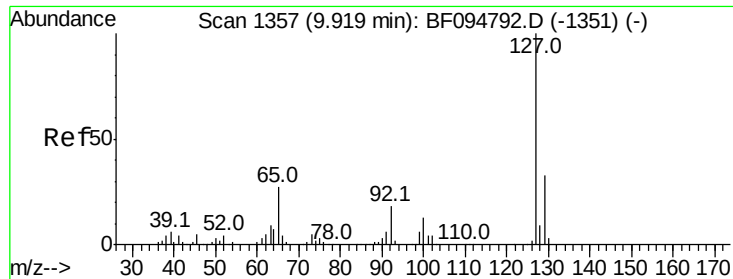
Tot Ion:128 Resp: 1256785
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.3 10.8 16.2



#32
Benzoic acid
Concen: 9.13 ng
RT: 9.67 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF095555.D
Acq: 31 May 2017 5:03

Tgt Ion:122 Resp: 13049
Ion Ratio Lower Upper
122 100
105 4.1 103.3 143.3#
77 43.3 73.7 113.7#

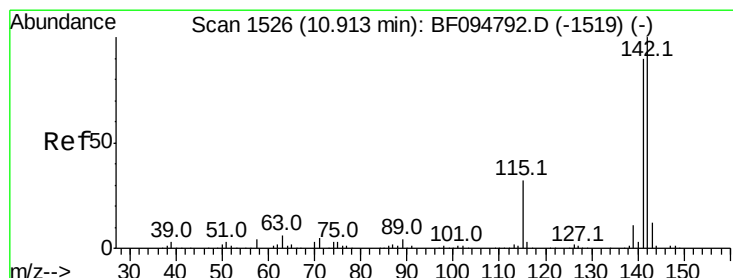
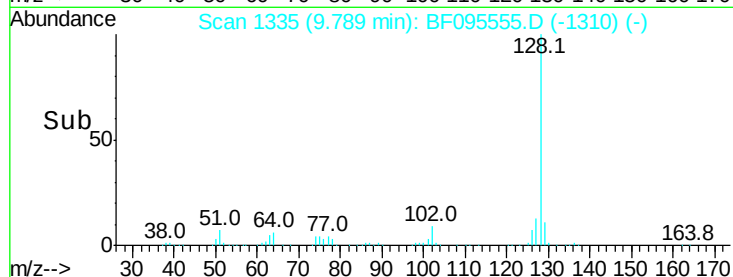
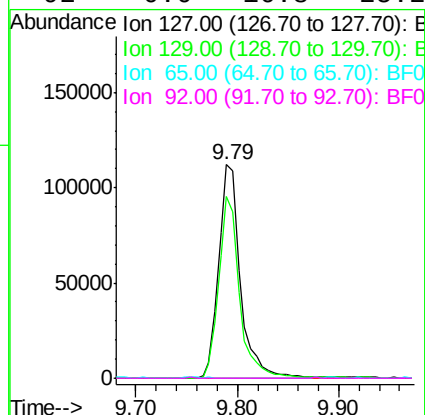
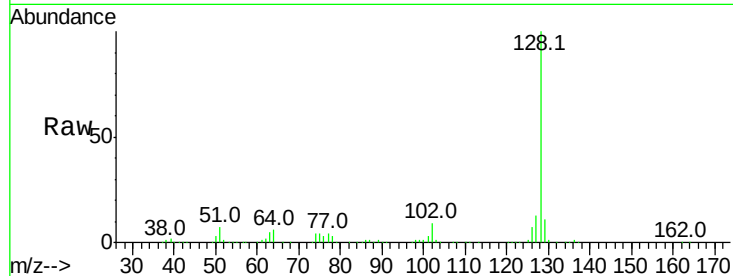




#33
4-Chloroaniline
Concen: 29.63 ng
RT: 9.79 min Scan# 1335
Delta R.T. -0.15 min
Lab File: BF095555.D
Acq: 31 May 2017 5:03

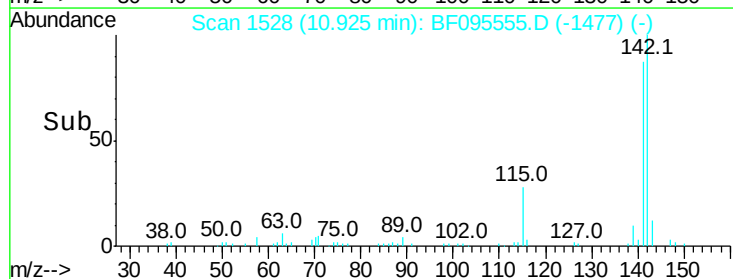
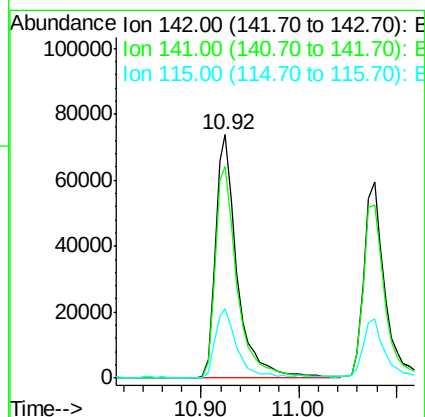
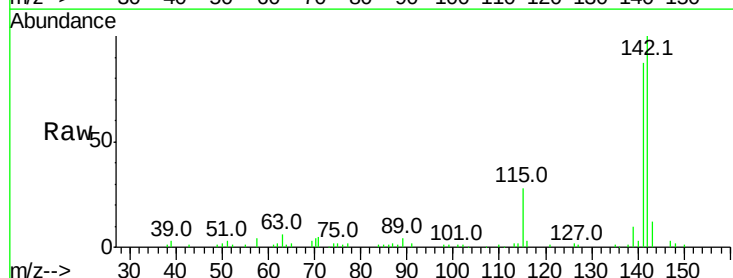
Instrument :
BNA_F
ClientSampleId :

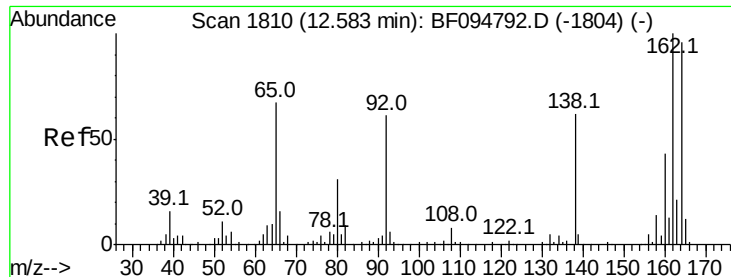
Tot Ion:	127	Resp:	168024
Ion	Ratio	Lower	Upper
127	100		
129	85.3	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#37
2-Methylnaphthalene
Concen: 11.31 ng
RT: 10.92 min Scan# 1528
Delta R.T. 0.00 min
Lab File: BF095555.D
Acq: 31 May 2017 5:03

Tgt Ion:	142	Resp:	112960
Ion	Ratio	Lower	Upper
142	100		
141	87.0	71.3	106.9
115	28.4	27.1	40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.60 min Scan# 1812

Delta R.T. 0.00 min

Lab File: BF095555.D

Acq: 31 May 2017 5:03

Instrument :

BNA_F

ClientSampled :

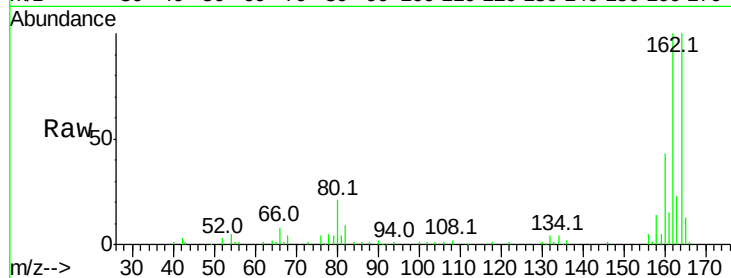
Tot Ion:164 Resp: 119631

Ion Ratio Lower Upper

164 100

162 100.1 82.6 123.8

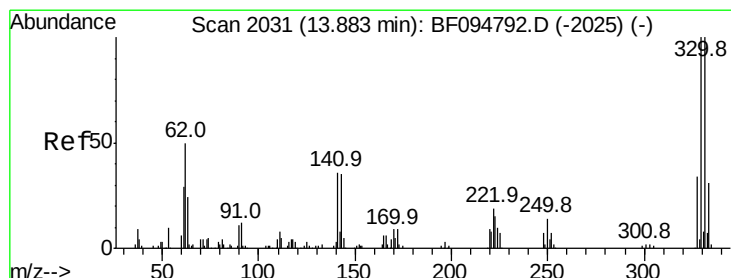
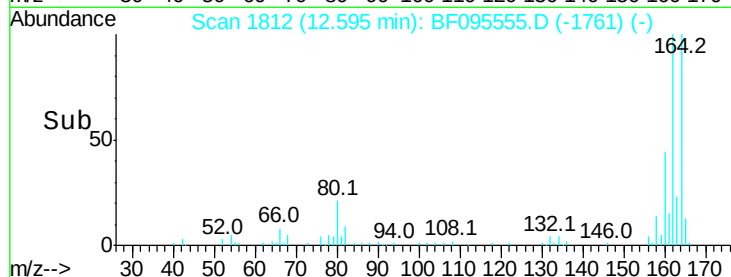
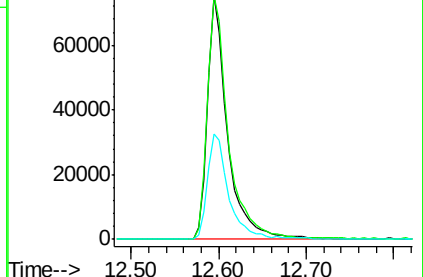
160 43.5 36.2 54.2



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: 122.77 ng

RT: 13.91 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF095555.D

Acq: 31 May 2017 5:03

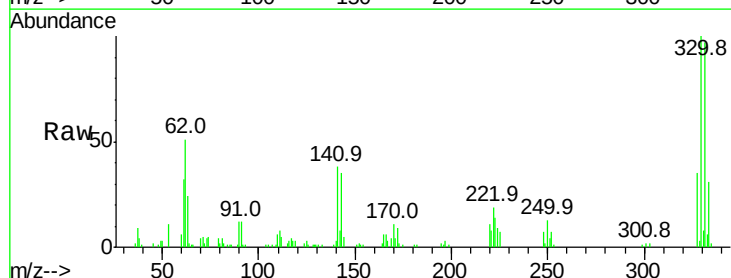
Tgt Ion:330 Resp: 120287

Ion Ratio Lower Upper

330 100

332 98.8 76.6 115.0

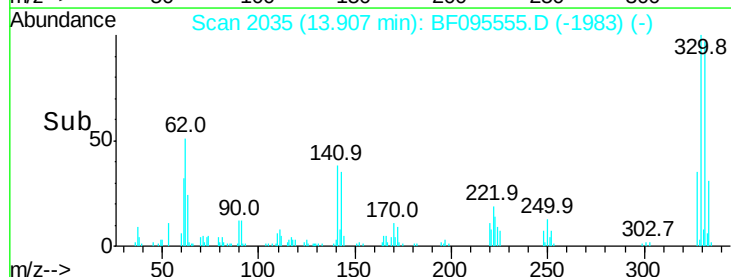
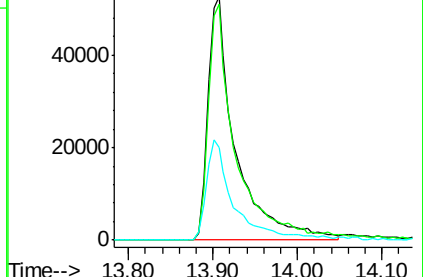
141 41.0 31.4 47.2

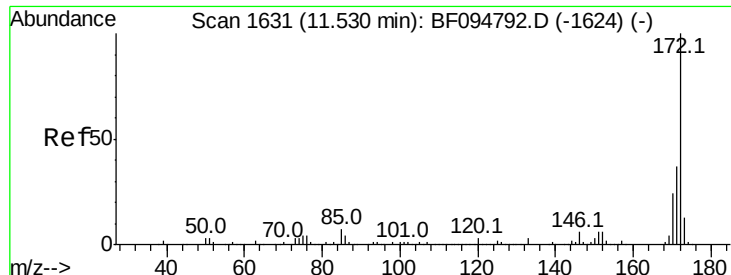


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

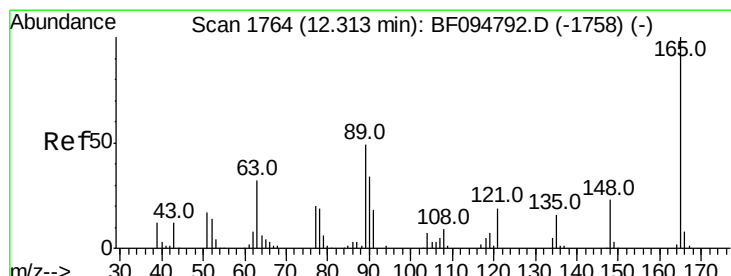
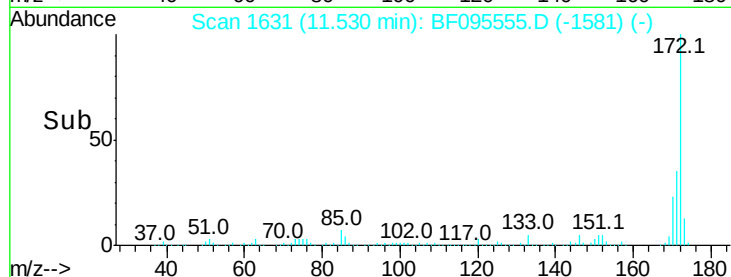
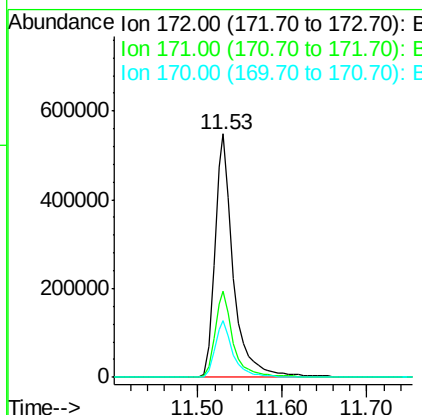
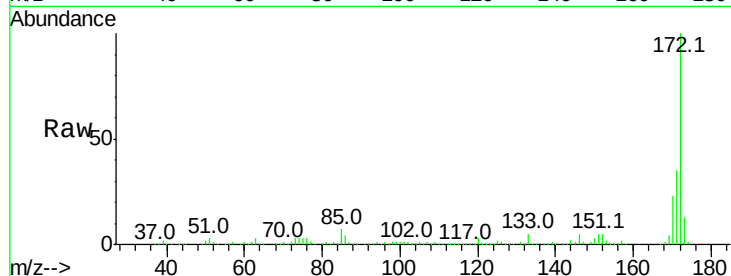




#44
 2-Fluorobiphenyl
 Concen: 101.85 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BF095555.D
 Acq: 31 May 2017 5:03

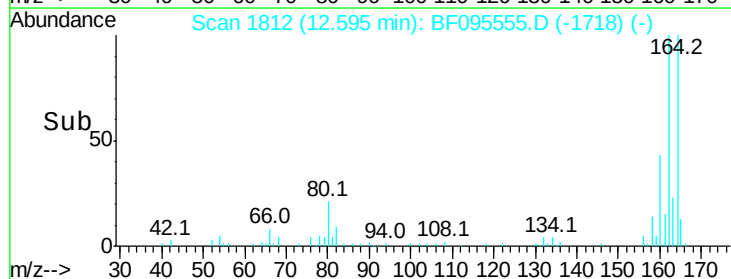
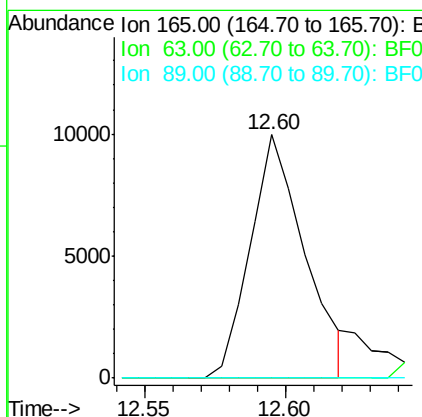
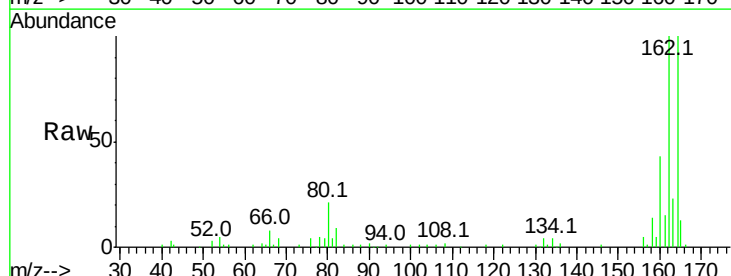
Instrument :
 BNA_F
 ClientSampleId :

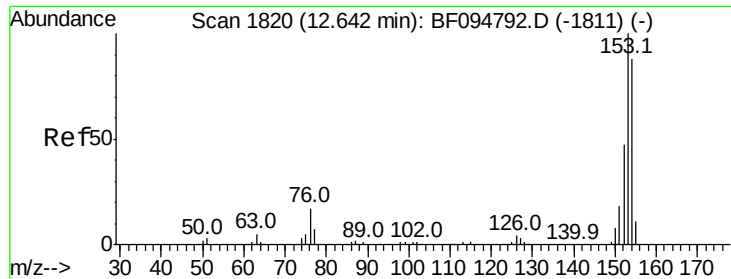
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	23.2	19.8	29.8



#50
 2,6-Dinitrotoluene
 Concen: 6.65 ng
 RT: 12.60 min Scan# 1812
 Delta R.T. 0.25 min
 Lab File: BF095555.D
 Acq: 31 May 2017 5:03

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





#51

Acenaphthene

Concen: 3.34 ng

RT: 12.65 min Scan# 1822

Delta R.T. 0.01 min

Lab File: BF095555.D

Acq: 31 May 2017 5:03

Instrument :

BNA_F

ClientSampled :

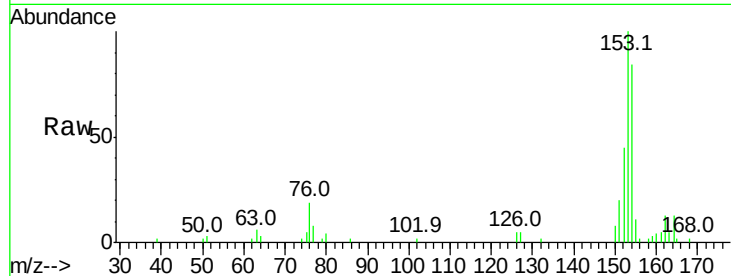
Tot Ion:154 Resp: 25419

Ion Ratio Lower Upper

154 100

153 119.1 90.5 135.7

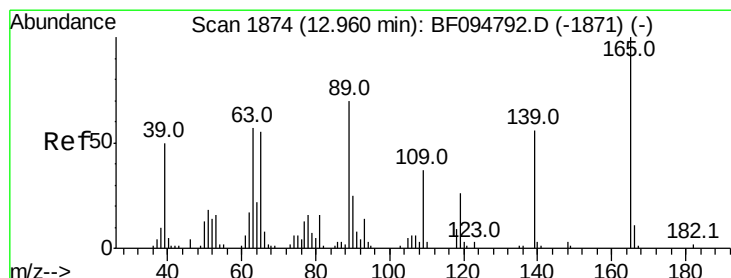
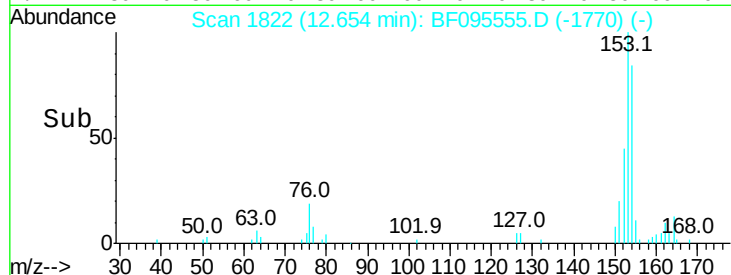
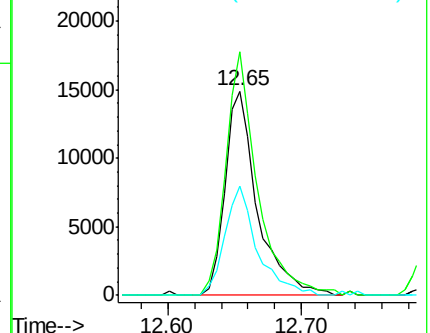
152 53.6 43.6 65.4



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



#55

4-Nitrophenol

Concen: 4.10 ng

RT: 12.97 min Scan# 1875

Delta R.T. -0.08 min

Lab File: BF095555.D

Acq: 31 May 2017 5:03

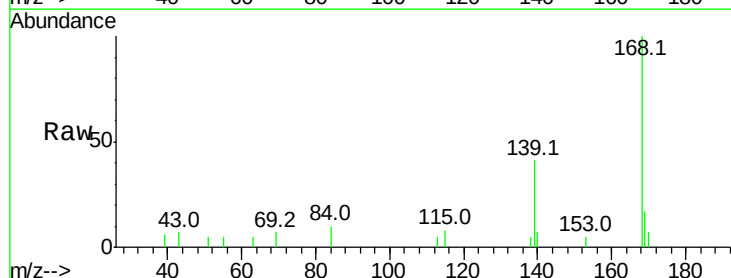
Tgt Ion:139 Resp: 5297

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

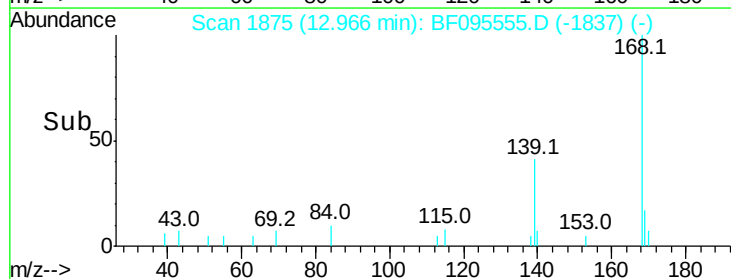
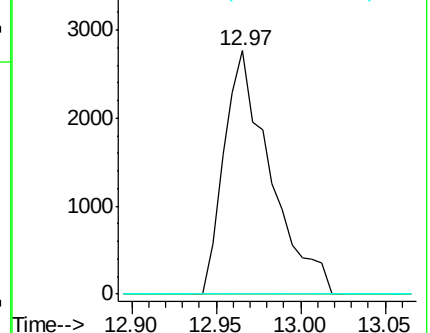
65 0.0 31.4 71.4#

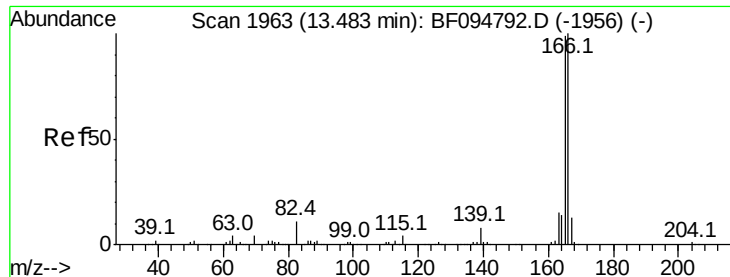


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

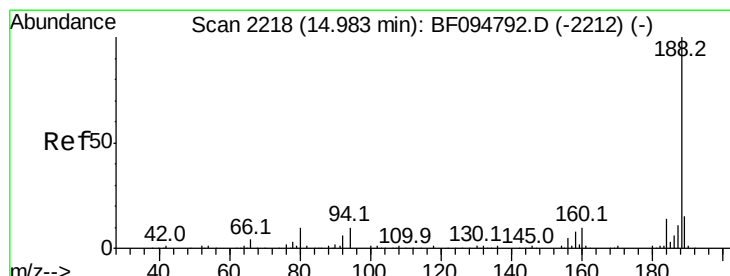
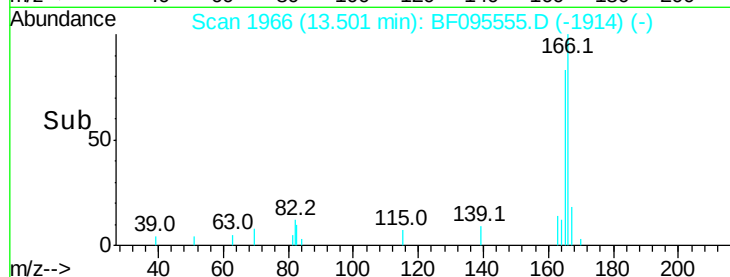
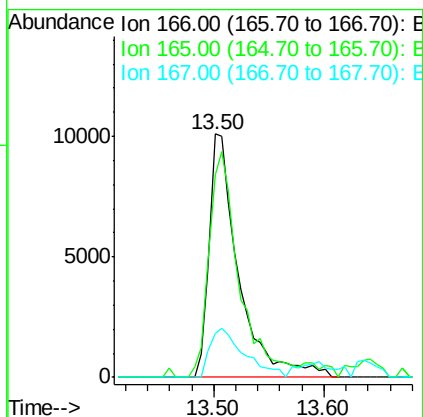
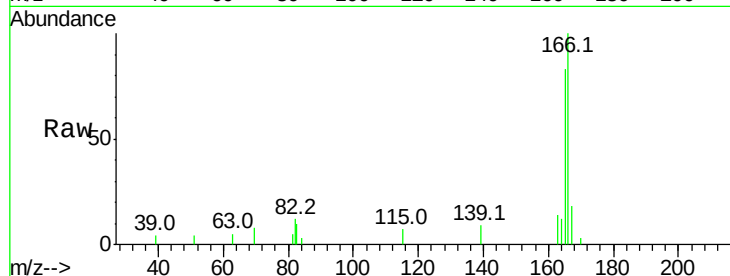




#57
 Fluorene
 Concen: 2.02 ng
 RT: 13.50 min Scan# 1966
 Delta R.T. 0.01 min
 Lab File: BF095555.D
 Acq: 31 May 2017 5:03

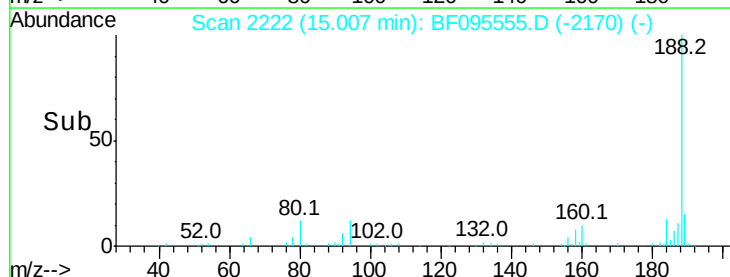
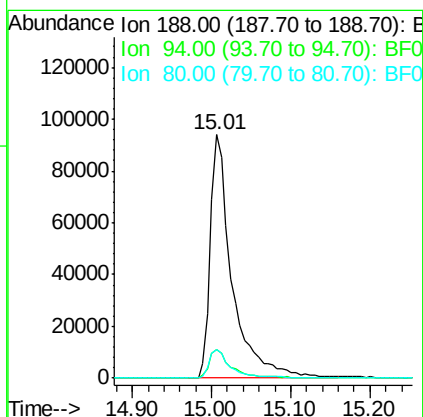
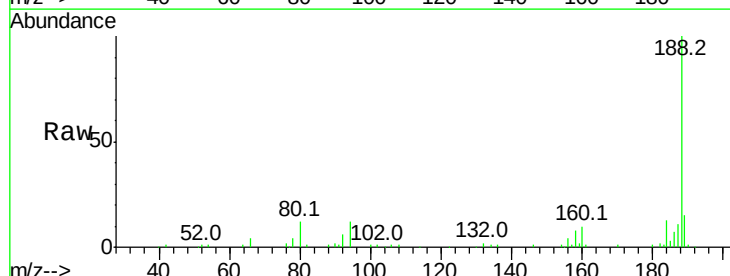
Instrument :
 BNA_F
 ClientSampleId :

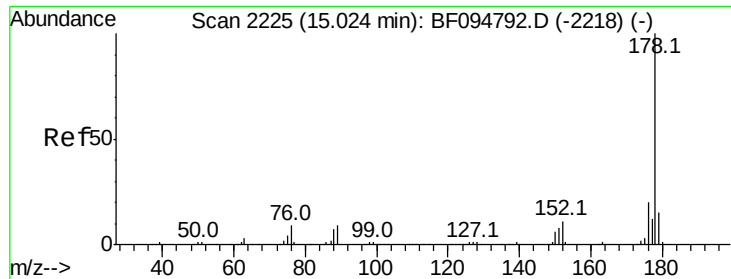
Tot Ion:166 Resp: 18531
 Ion Ratio Lower Upper
 166 100
 165 83.5 78.8 118.2
 167 17.8 10.6 16.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.01 min Scan# 2222
 Delta R.T. 0.01 min
 Lab File: BF095555.D
 Acq: 31 May 2017 5:03

Tgt Ion:188 Resp: 180106
 Ion Ratio Lower Upper
 188 100
 94 12.0 9.4 14.2
 80 11.8 10.2 15.2

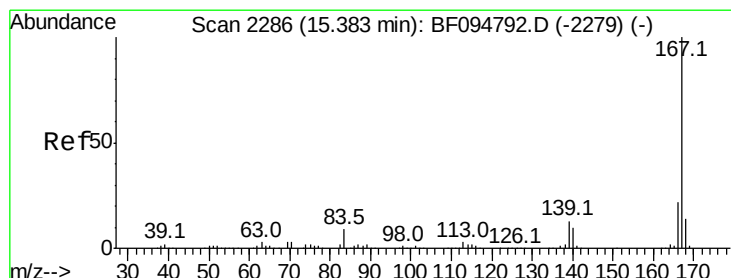
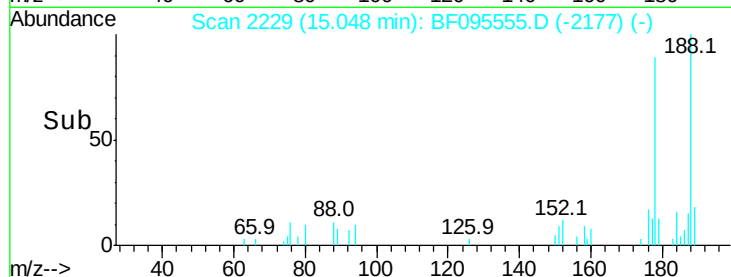
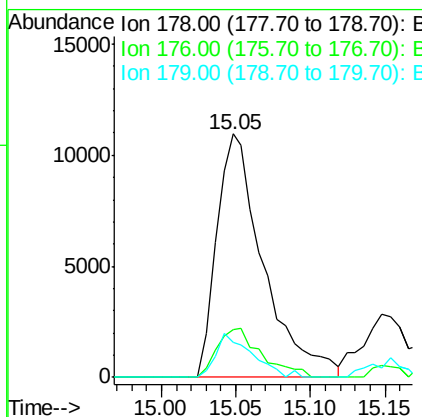
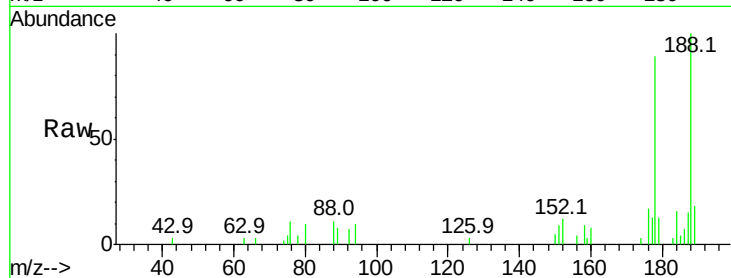




#70
 Phenanthrene
 Concen: 2.30 ng
 RT: 15.05 min Scan# 2229
 Delta R.T. 0.01 min
 Lab File: BF095555.D
 Acq: 31 May 2017 5:03

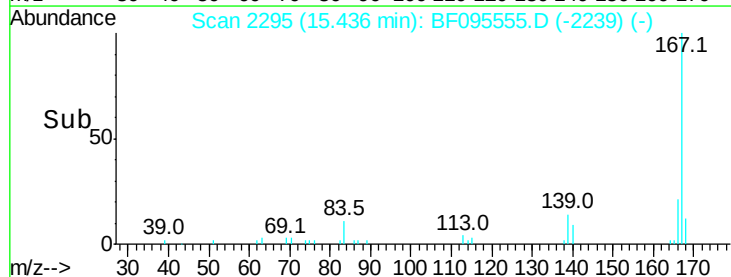
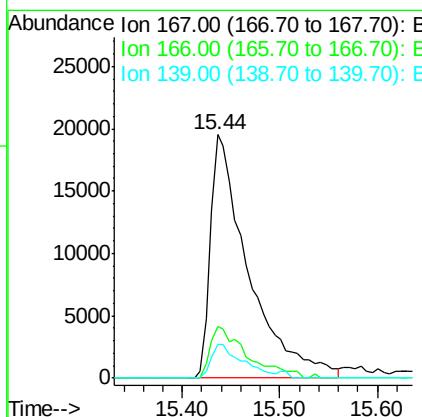
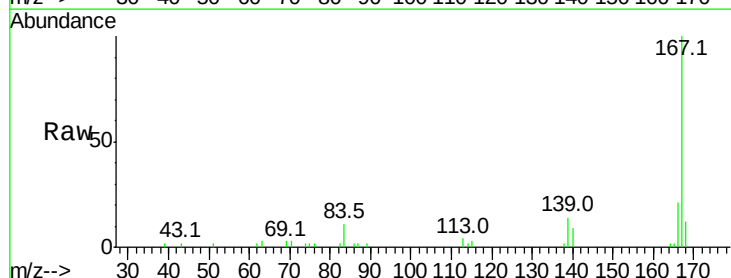
Instrument :
 BNA_F
 ClientSampled :

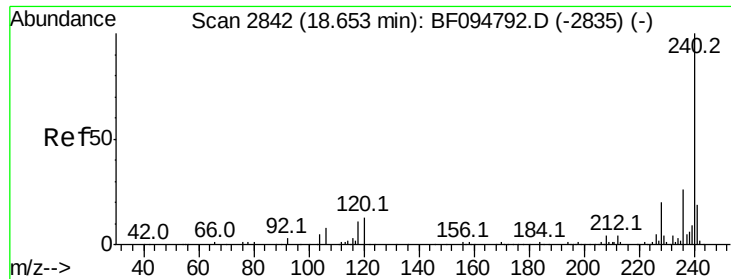
Tot Ion:178 Resp: 23771
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.2 24.4
 179 14.2 12.6 19.0



#72
 Carbazole
 Concen: 5.48 ng
 RT: 15.44 min Scan# 2295
 Delta R.T. 0.03 min
 Lab File: BF095555.D
 Acq: 31 May 2017 5:03

Tgt Ion:167 Resp: 52752
 Ion Ratio Lower Upper
 167 100
 166 21.3 18.1 27.1
 139 13.8 11.7 17.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.68 min Scan# 2846

Delta R.T. 0.00 min

Lab File: BF095555.D

Acq: 31 May 2017 5:03

Instrument :

BNA_F

ClientSampleId :

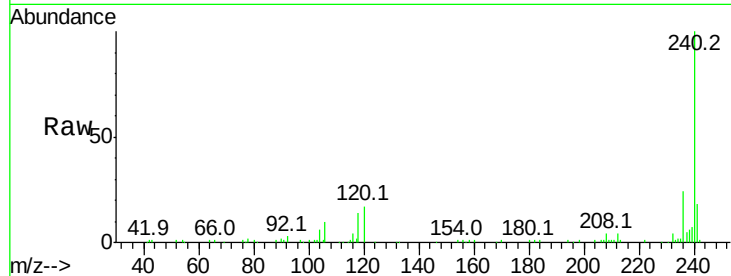
Tot Ion:240 Resp: 176572

Ion Ratio Lower Upper

240 100

120 17.4 5.8 8.8#

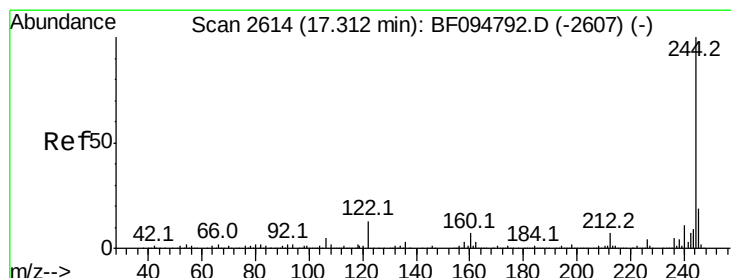
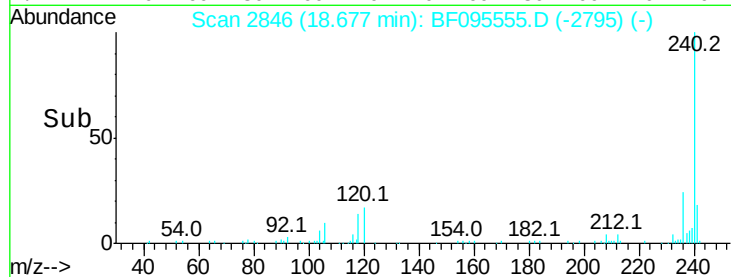
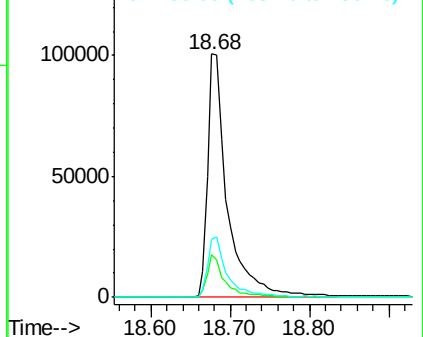
236 23.9 20.5 30.7



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: 81.65 ng

RT: 17.32 min Scan# 2615

Delta R.T. -0.01 min

Lab File: BF095555.D

Acq: 31 May 2017 5:03

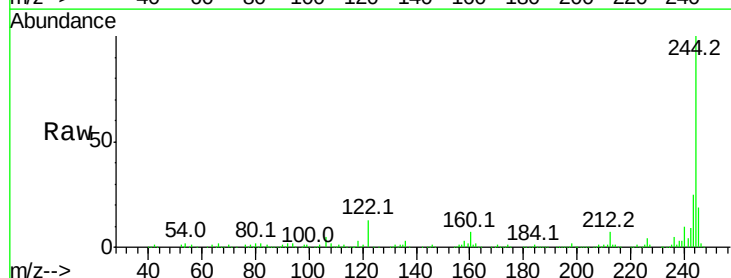
Tgt Ion:244 Resp: 654522

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

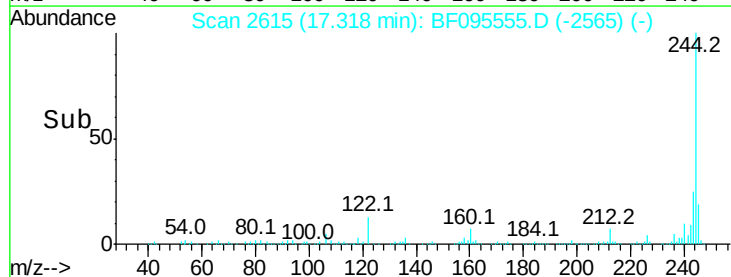
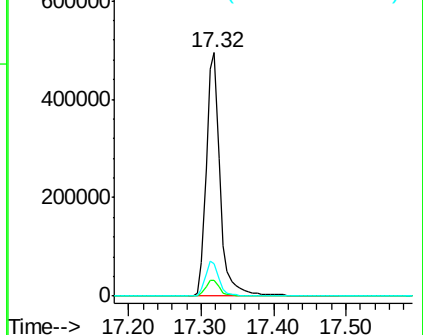
122 13.4 10.3 15.5

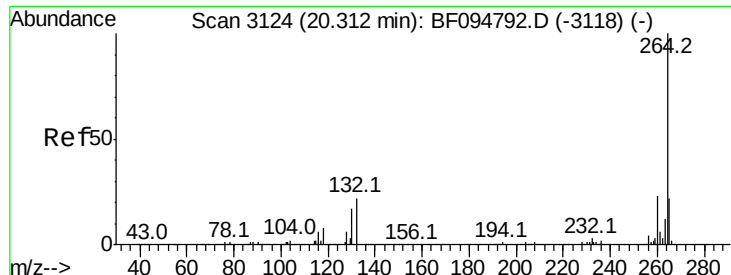


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

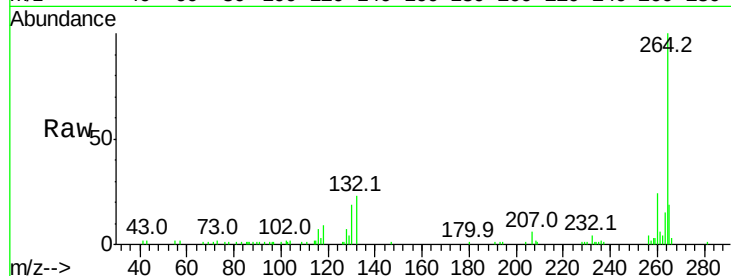




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3133
Delta R.T. 0.01 min
Lab File: BF095555.D
Acq: 31 May 2017 5:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	18.9	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

