

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060117\
 Data File : BF095613.D
 Acq On : 2 Jun 2017 2:18
 Operator : SJ/MA
 Sample : I3409-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 02 04:52:32 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

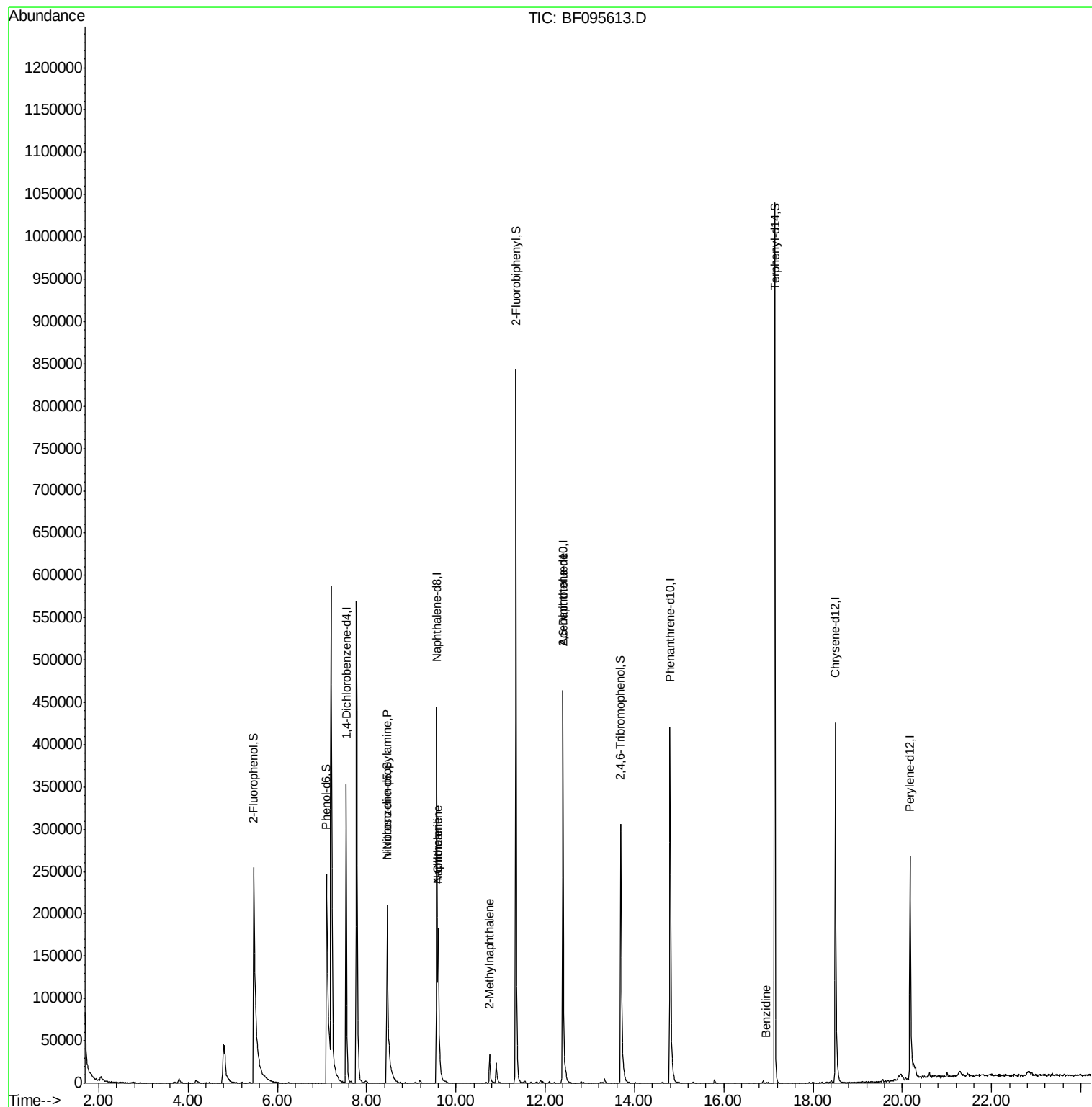
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	92296	20.00	ng	0.00
21) Naphthalene-d8	9.57	136	321548	20.00	ng	0.00
38) Acenaphthene-d10	12.40	164	150941	20.00	ng	0.00
63) Phenanthrene-d10	14.80	188	296289	20.00	ng	0.00
75) Chrysene-d12	18.50	240	256290	20.00	ng	0.00
86) Perylene-d12	20.17	264	176049	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	279506	50.49	ng	0.02
7) Phenol-d6	7.10	99	329429	49.60	ng	0.00
23) Nitrobenzene-d5	8.46	82	196198	38.48	ng	0.00
41) 2,4,6-Tribromophenol	13.70	330	77754	62.90	ng	0.00
44) 2-Fluorobiphenyl	11.35	172	421954	40.24	ng	0.00
78) Terphenyl-d14	17.14	244	424793	36.51	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.46	70	22737	5.06	ng	# 74
31) Naphthalene	9.60	128	175162	10.84	ng	99
33) 4-Chloroaniline	9.60	127	22484	3.73	ng	# 36
37) 2-Methylnaphthalene	10.76	142	22359	2.11	ng	96
50) 2,6-Dinitrotoluene	12.39	165	18537	7.33	ng	# 31
76) Benzidine	16.96	184	114	6.60	ng	# 62

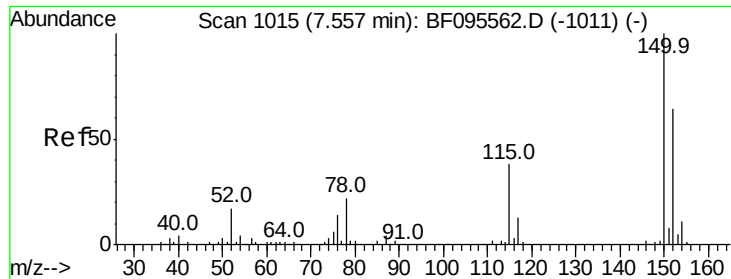
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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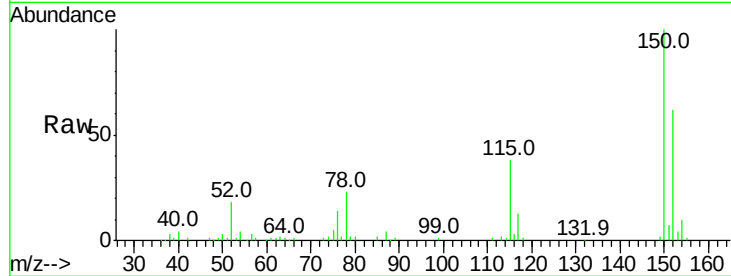


#1

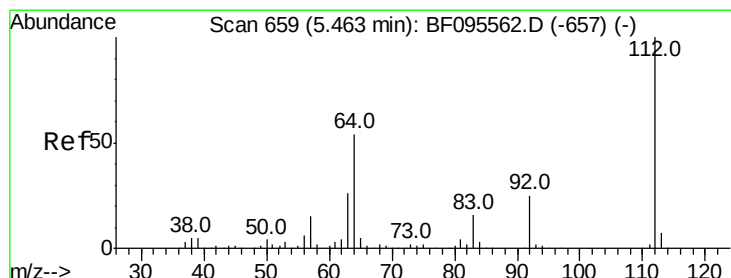
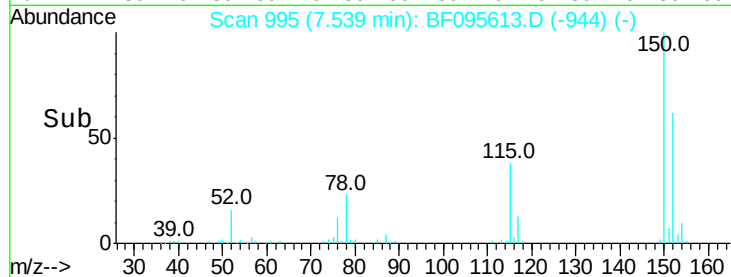
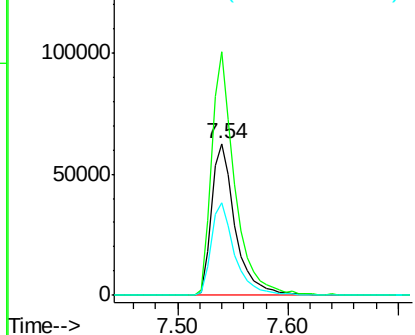
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.54 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: BF095613.D
 Acq: 2 Jun 2017 2:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 92296
 Ion Ratio Lower Upper
 152 100
 150 160.3 126.2 189.2
 115 61.0 52.2 78.2



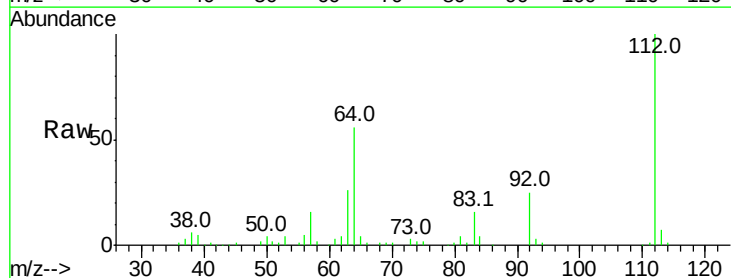
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



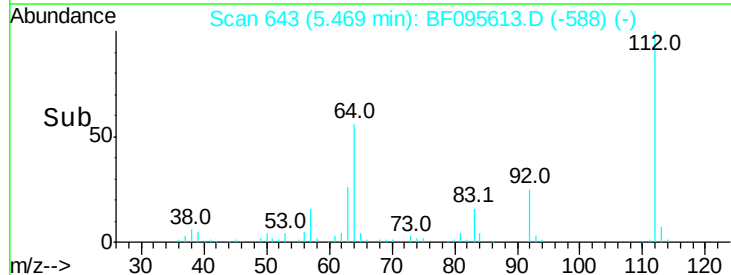
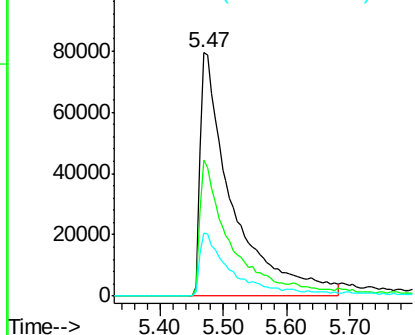
#5

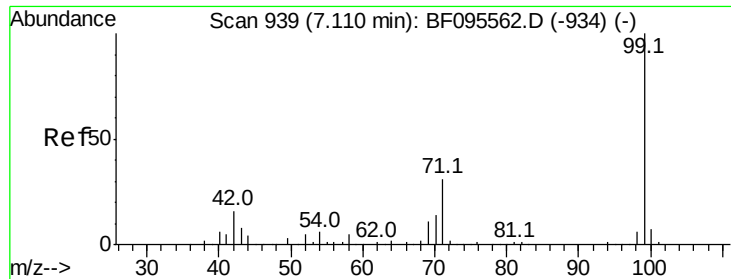
2-Fluorophenol
 Concen: 50.49 ng
 RT: 5.47 min Scan# 643
 Delta R.T. 0.02 min
 Lab File: BF095613.D
 Acq: 2 Jun 2017 2:18

Tgt Ion:112 Resp: 279506
 Ion Ratio Lower Upper
 112 100
 64 56.1 46.0 69.0
 63 26.1 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: 49.60 ng

RT: 7.10 min Scan# 921

Delta R.T. 0.01 min

Lab File: BF095613.D

Acq: 2 Jun 2017 2:18

Instrument :

BNA_F

ClientSampleId :

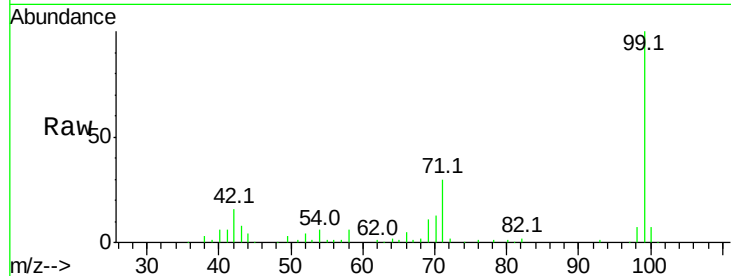
Tot Ion: 99 Resp: 329429

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

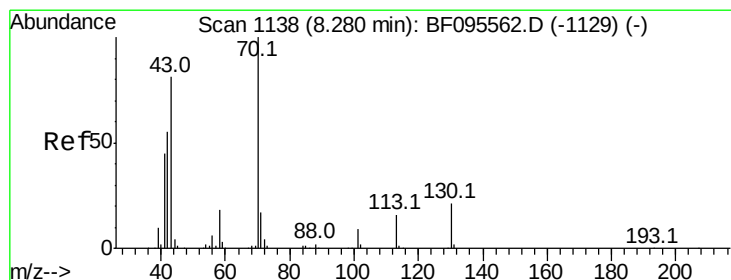
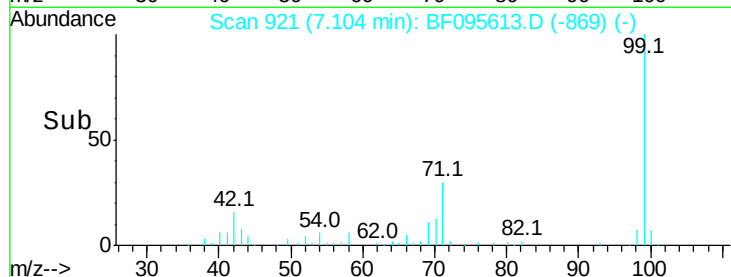
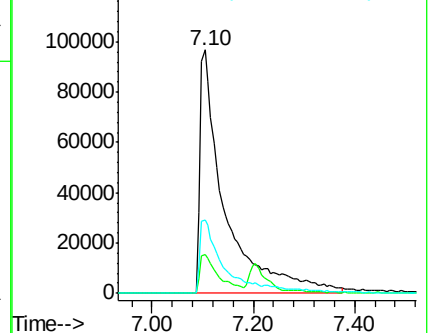
71 30.3 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.06 ng

RT: 8.46 min Scan# 1151

Delta R.T. 0.19 min

Lab File: BF095613.D

Acq: 2 Jun 2017 2:18

Tgt Ion: 70 Resp: 22737

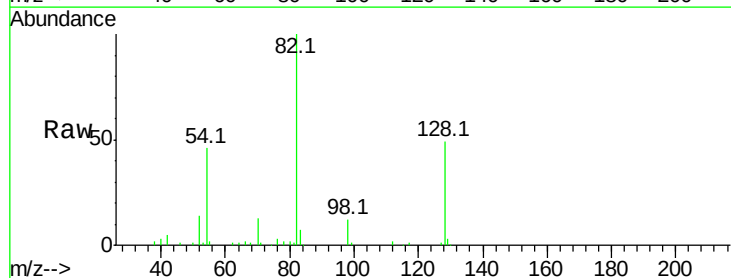
Ion Ratio Lower Upper

70 100

42 41.4 47.2 70.8#

101 0.0 7.2 10.8#

130 3.3 15.9 23.9#

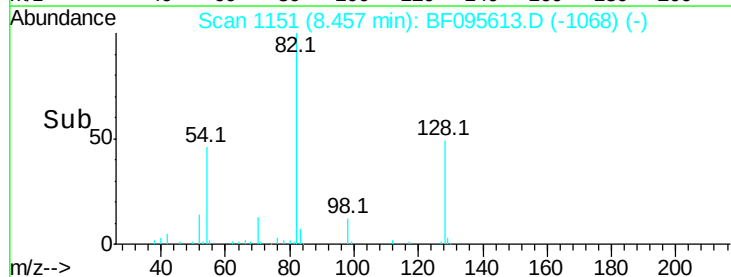
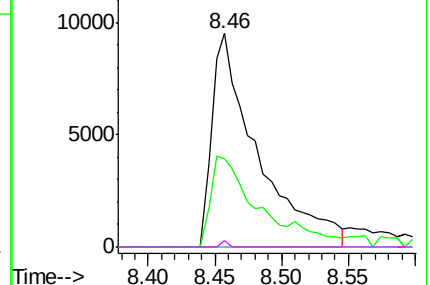


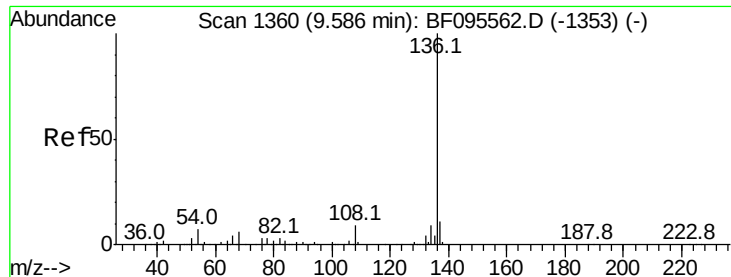
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

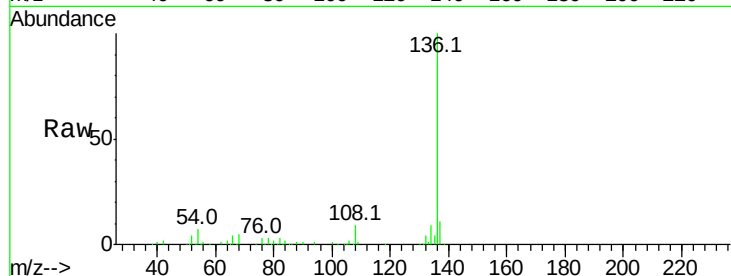




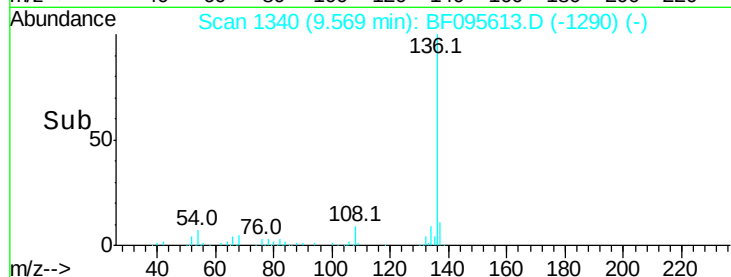
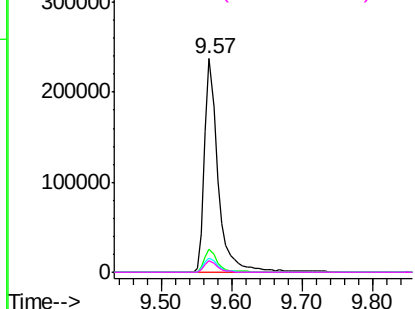
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.57 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF095613.D
Acq: 2 Jun 2017 2:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	321548
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.5 12.7
54	6.7	4.9 7.3
68	5.3	4.1 6.1

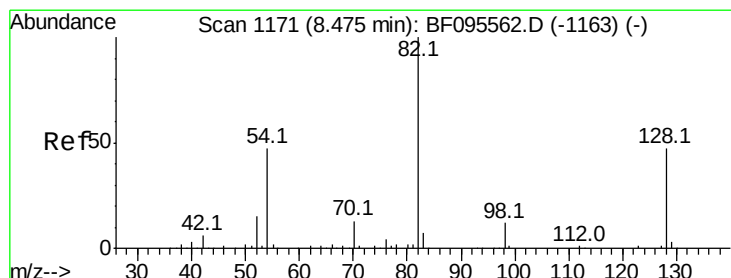


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

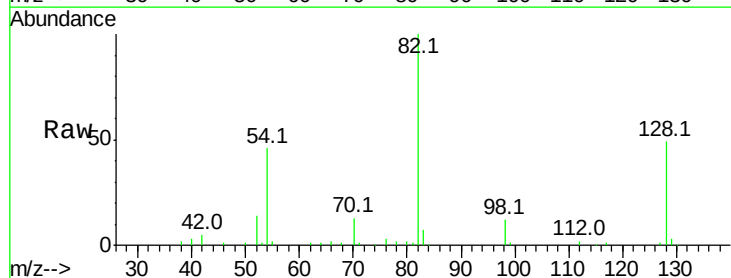
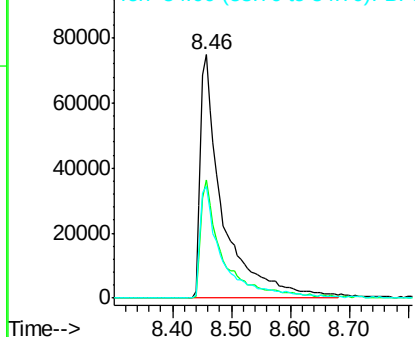


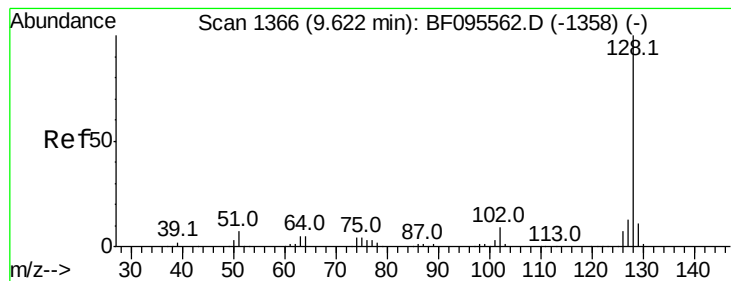
#23
Nitrobenzene-d5
Concen: 38.48 ng
RT: 8.46 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF095613.D
Acq: 2 Jun 2017 2:18

Tgt Ion: 82	Resp:	196198
Ion Ratio	Lower	Upper
82	100	
128	48.7	34.0 51.0
54	46.1	42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 10.84 ng

RT: 9.60 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BF095613.D

Acq: 2 Jun 2017 2:18

Instrument :

BNA_F

ClientSampled :

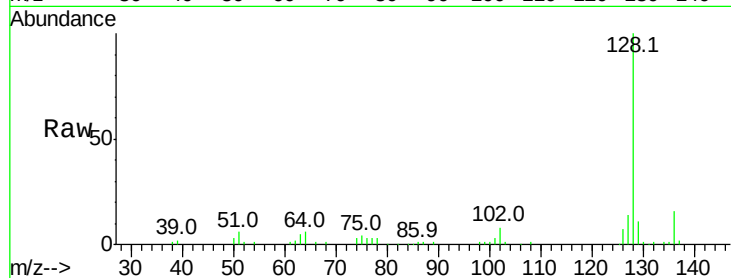
Tot Ion:128 Resp: 175162

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

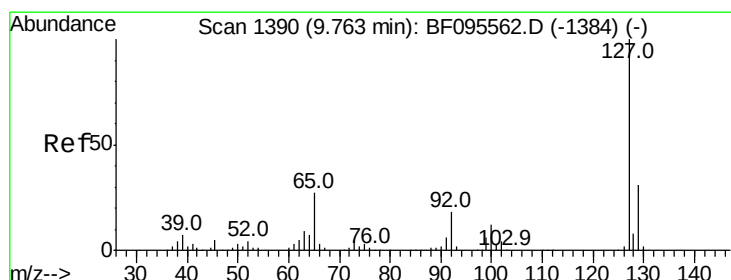
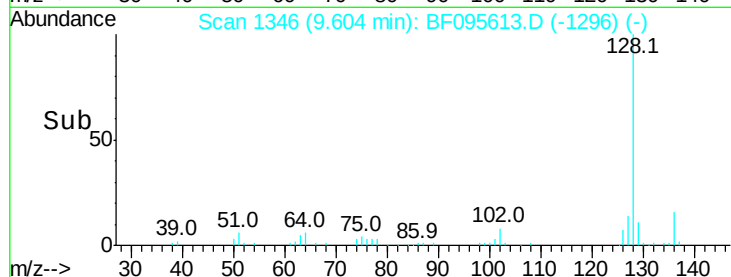
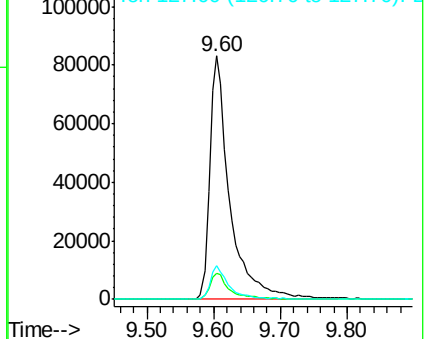
127 13.6 10.8 16.2



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



#33

4-Chloroaniline

Concen: 3.73 ng

RT: 9.60 min Scan# 1346

Delta R.T. -0.15 min

Lab File: BF095613.D

Acq: 2 Jun 2017 2:18

Tgt Ion:127 Resp: 22484

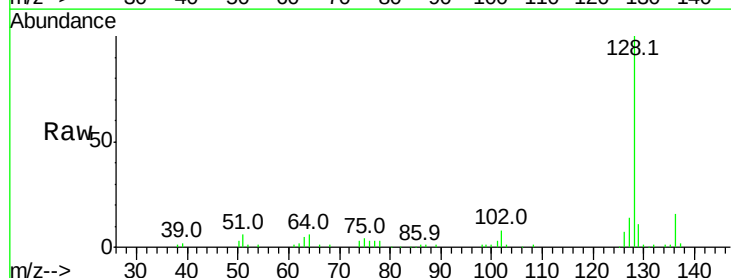
Ion Ratio Lower Upper

127 100

129 78.7 26.2 39.2#

65 0.0 27.8 41.8#

92 0.0 16.8 25.2#

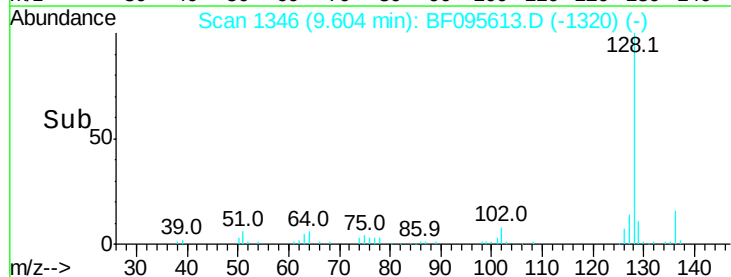
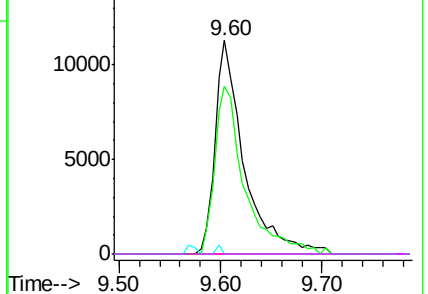


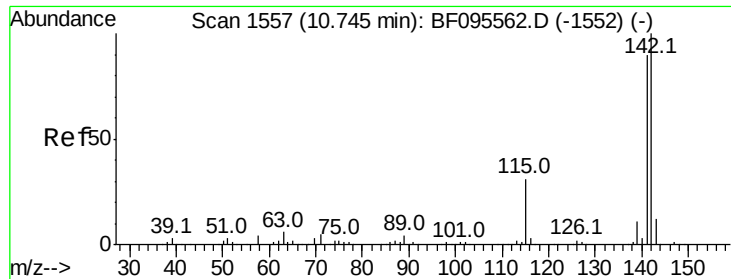
Abundance Ion 127.00 (126.70 to 127.70): E

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

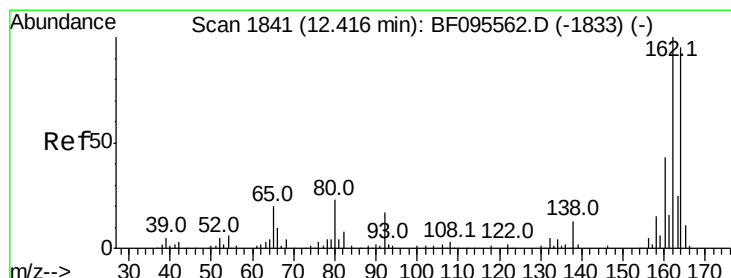
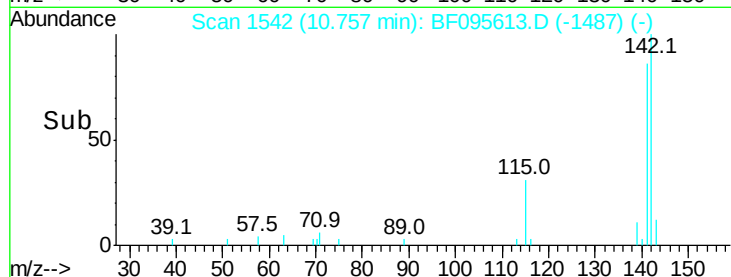
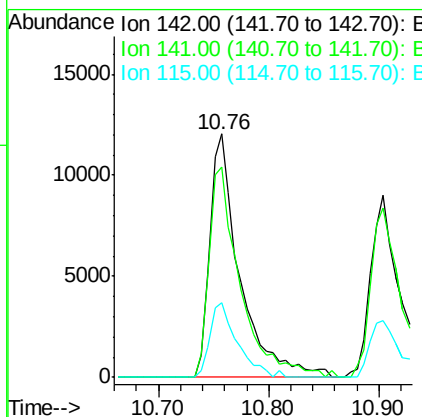
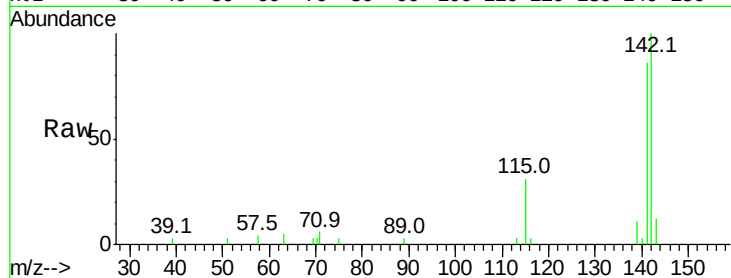




#37
2-Methylnaphthalene
Concen: 2.11 ng
RT: 10.76 min Scan# 1542
Delta R.T. 0.02 min
Lab File: BF095613.D
Acq: 2 Jun 2017 2:18

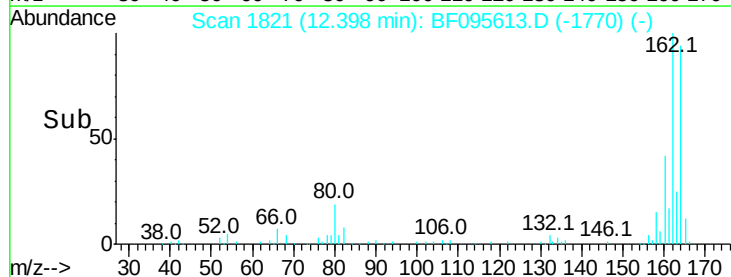
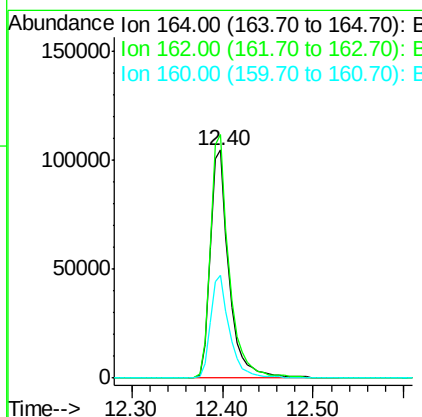
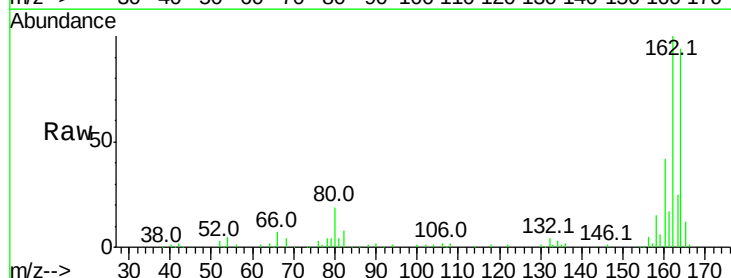
Instrument :
BNA_F
ClientSampleId :

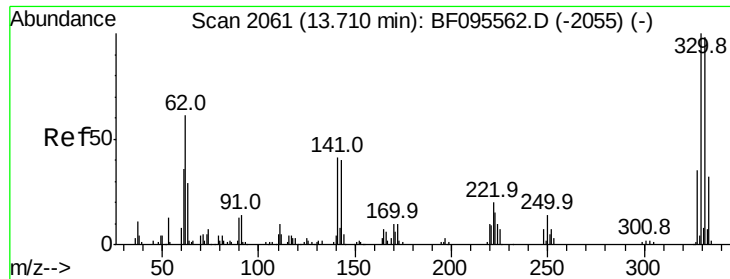
Tot Ion:142 Resp: 22359
Ion Ratio Lower Upper
142 100
141 86.3 71.3 106.9
115 30.5 27.1 40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.40 min Scan# 1821
Delta R.T. -0.00 min
Lab File: BF095613.D
Acq: 2 Jun 2017 2:18

Tgt Ion:164 Resp: 150941
Ion Ratio Lower Upper
164 100
162 106.9 82.6 123.8
160 45.3 36.2 54.2

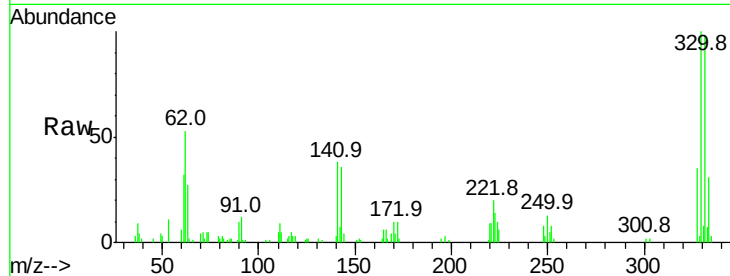




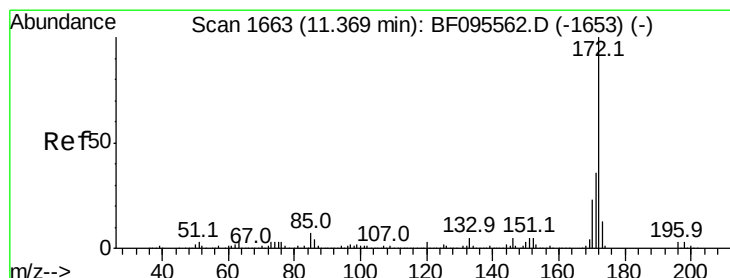
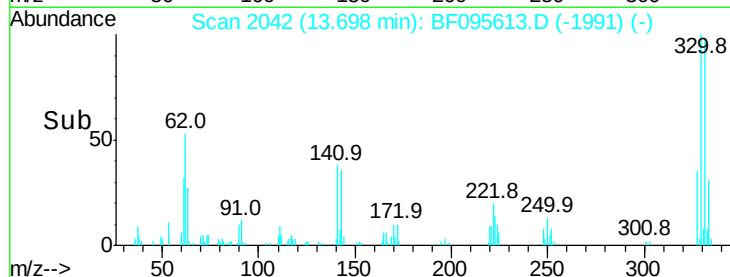
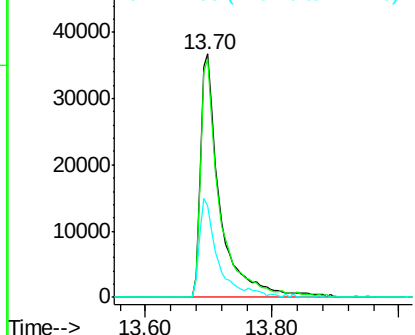
#41
 2,4,6-Tribromophenol
 Concen: 62.90 ng
 RT: 13.70 min Scan# 2042
 Delta R.T. -0.00 min
 Lab File: BF095613.D
 Acq: 2 Jun 2017 2:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 77754
 Ion Ratio Lower Upper
 330 100
 332 93.2 76.6 115.0
 141 38.2 31.4 47.2

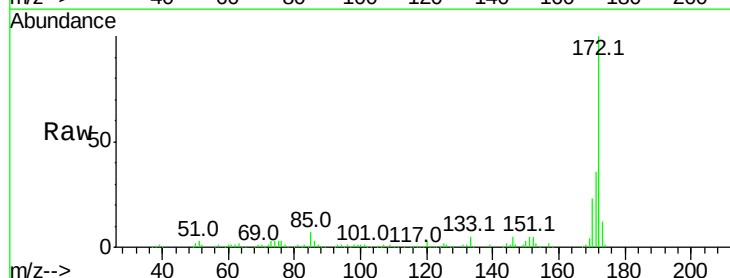


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

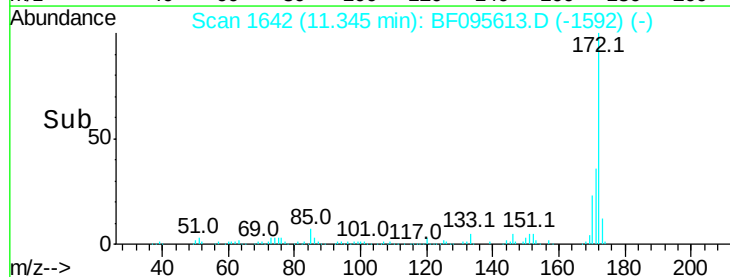
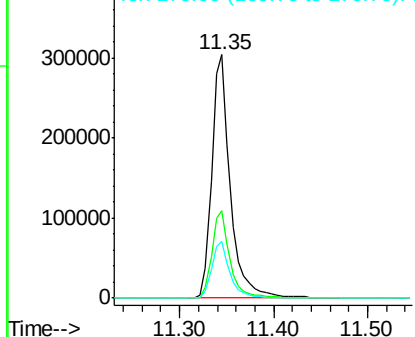


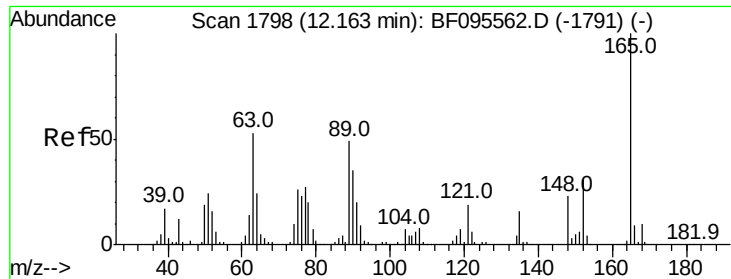
#44
 2-Fluorobiphenyl
 Concen: 40.24 ng
 RT: 11.35 min Scan# 1642
 Delta R.T. -0.01 min
 Lab File: BF095613.D
 Acq: 2 Jun 2017 2:18

Tgt Ion:172 Resp: 421954
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 23.1 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

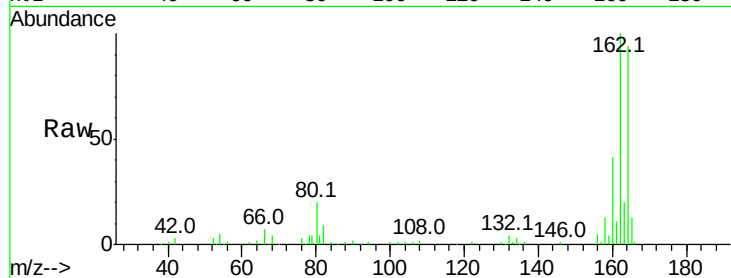




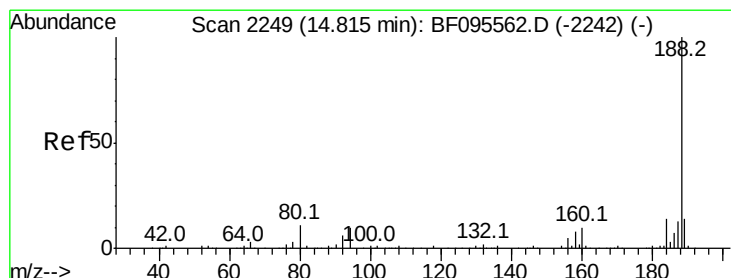
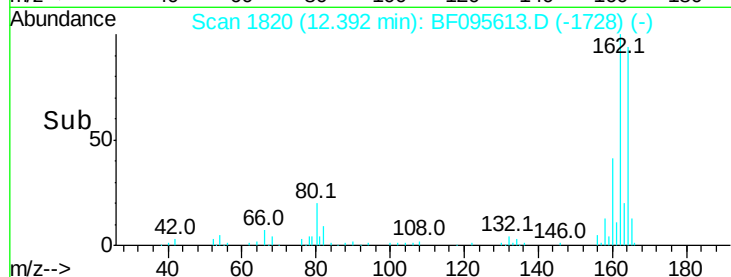
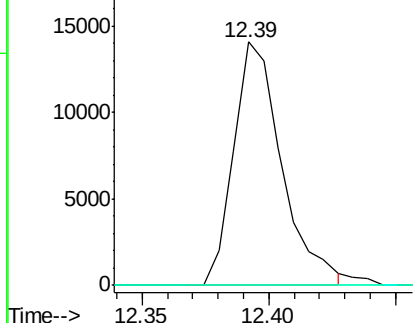
#50
 2,6-Dinitrotoluene
 Concen: 7.33 ng
 RT: 12.39 min Scan# 1820
 Delta R.T. 0.24 min
 Lab File: BF095613.D
 Acq: 2 Jun 2017 2:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 18537
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#



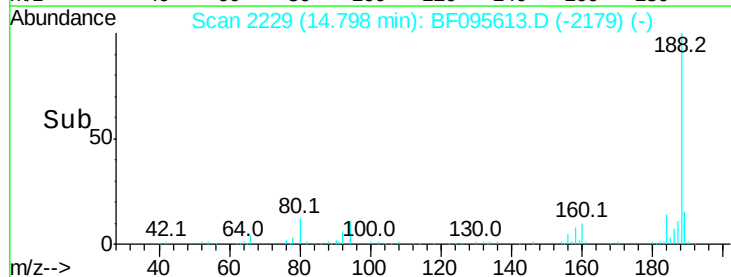
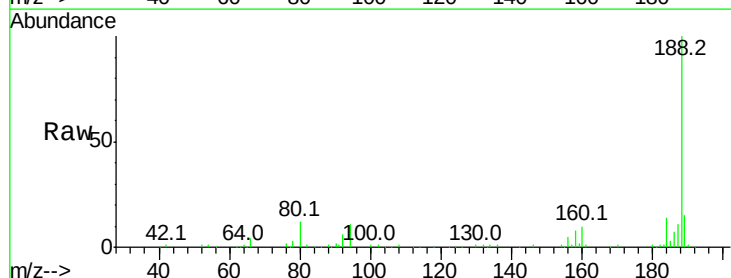
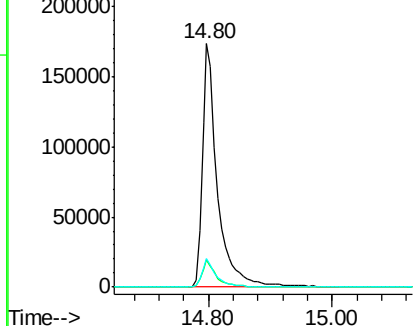
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

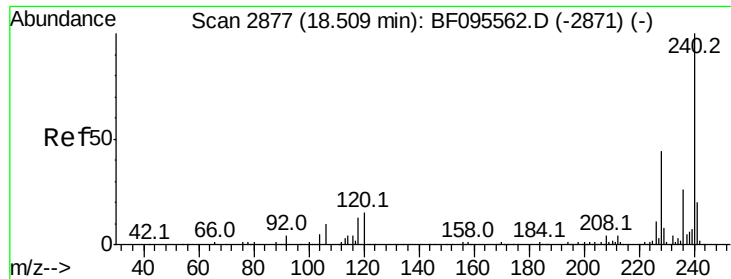


#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.80 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BF095613.D
 Acq: 2 Jun 2017 2:18

Tgt Ion:188 Resp: 296289
 Ion Ratio Lower Upper
 188 100
 94 11.1 9.4 14.2
 80 11.6 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: 18.50 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BF095613.D

Acq: 2 Jun 2017 2:18

Instrument :

BNA_F

ClientSampleId :

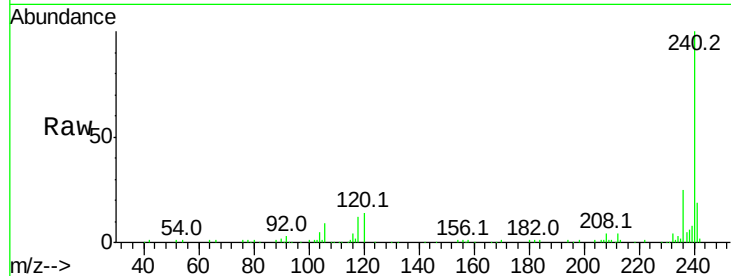
Tot Ion:240 Resp: 256290

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

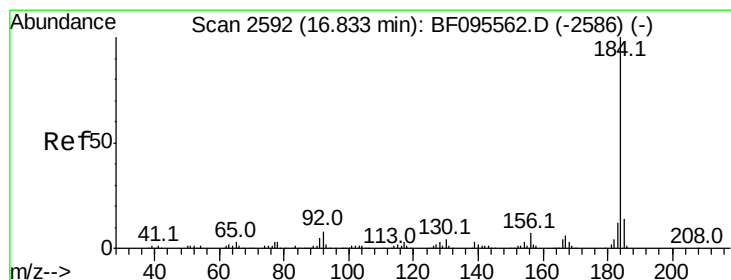
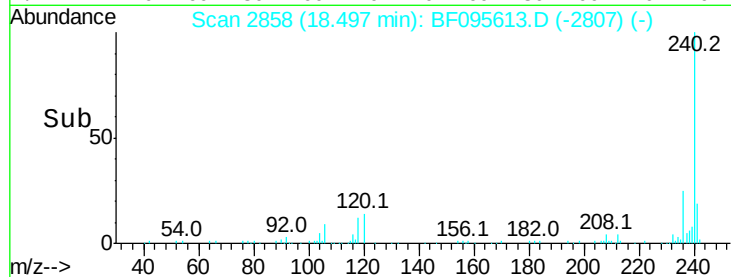
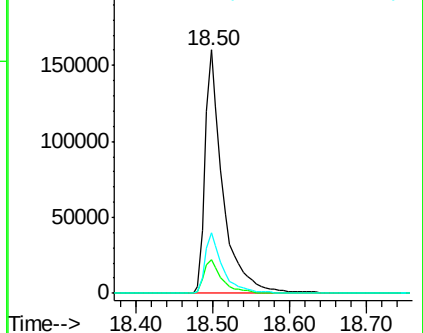
236 24.8 20.5 30.7



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: 6.60 ng

RT: 16.96 min Scan# 2597

Delta R.T. 0.14 min

Lab File: BF095613.D

Acq: 2 Jun 2017 2:18

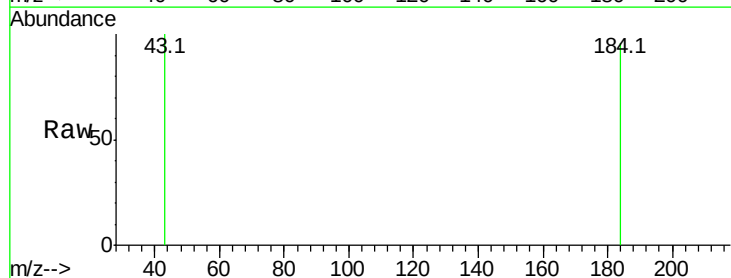
Tgt Ion:184 Resp: 114

Ion Ratio Lower Upper

184 100

185 0.0 15.5 23.3#

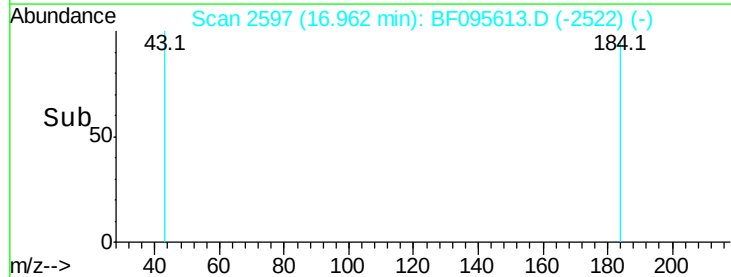
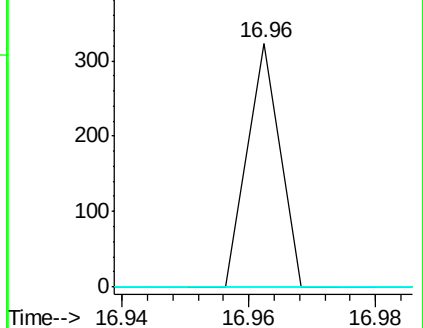
183 0.0 9.8 14.6#

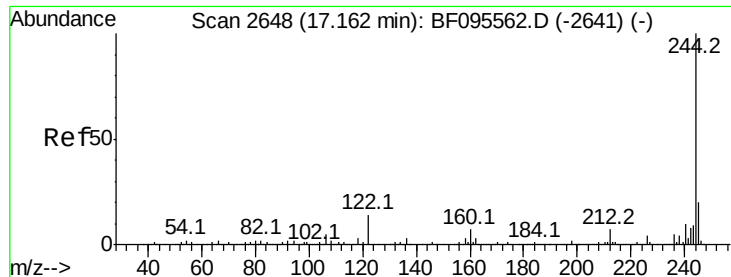


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

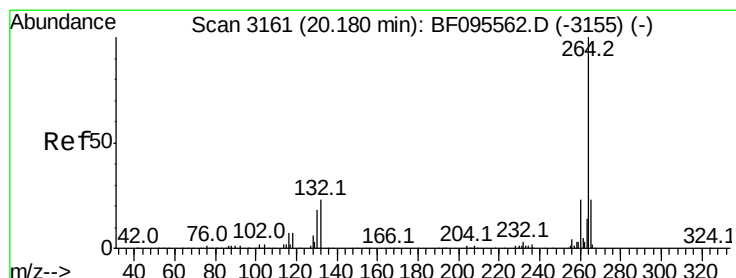
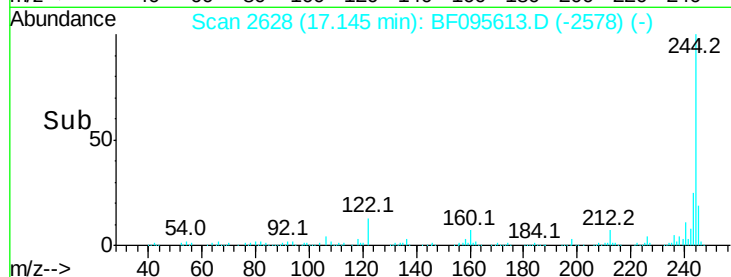
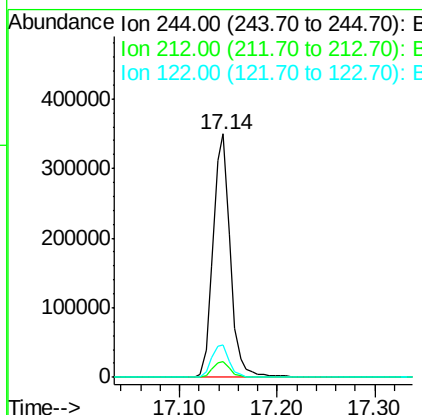
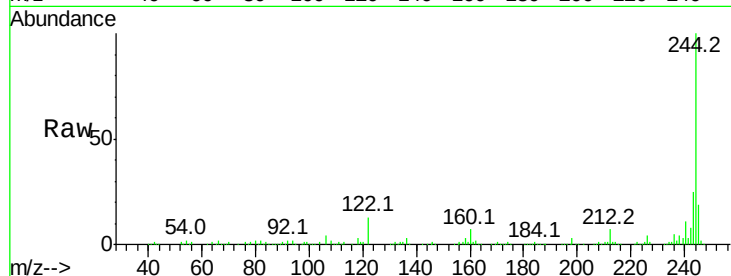




#78
 Terphenyl-d14
 Concen: 36.51 ng
 RT: 17.14 min Scan# 2628
 Delta R.T. -0.01 min
 Lab File: BF095613.D
 Acq: 2 Jun 2017 2:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 424793
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 13.1 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.17 min Scan# 3143
 Delta R.T. 0.01 min
 Lab File: BF095613.D
 Acq: 2 Jun 2017 2:18

Tgt Ion:264 Resp: 176049
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.5 29.3
 265 21.7 17.2 25.8

