

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060617\
 Data File : BF095710.D
 Acq On : 6 Jun 2017 15:40
 Operator : SJ/MA
 Sample : I3465-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 16:31:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	104496	20.00	ng	-0.01
21) Naphthalene-d8	9.42	136	358401	20.00	ng	-0.01
38) Acenaphthene-d10	12.26	164	146935	20.00	ng	0.00
63) Phenanthrene-d10	14.66	188	215499	20.00	ng	0.01
75) Chrysene-d12	18.36	240	161001	20.00	ng	0.00
86) Perylene-d12	20.01	264	143663	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	952349	145.22	ng	-0.01
7) Phenol-d6	6.95	99	1156953	147.37	ng	-0.01
23) Nitrobenzene-d5	8.30	82	649328	112.52	ng	-0.02
41) 2,4,6-Tribromophenol	13.56	330	171427	131.86	ng	0.00
44) 2-Fluorobiphenyl	11.21	172	839872	79.54	ng	0.00
78) Terphenyl-d14	17.02	244	576506	88.86	ng	0.00

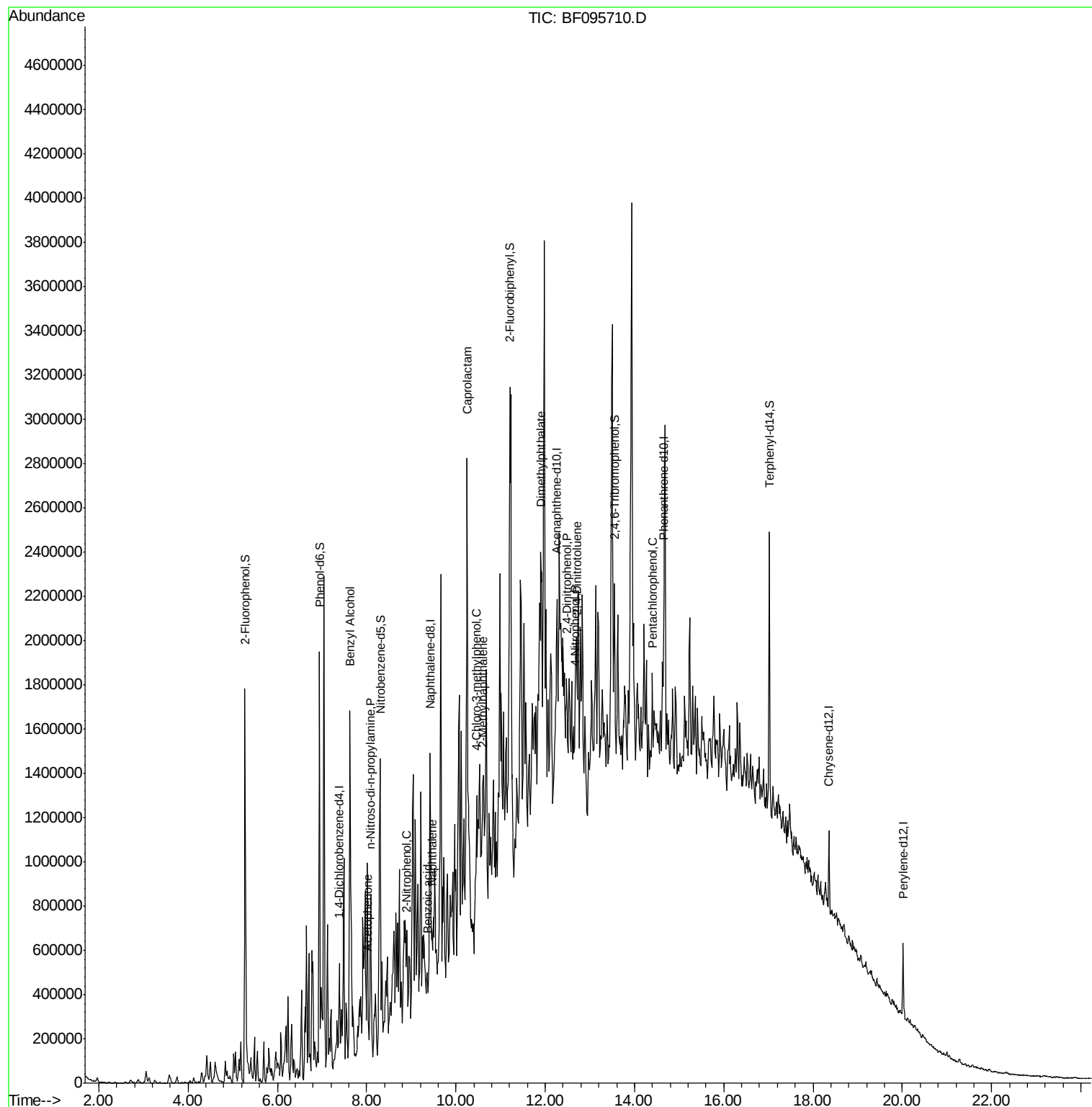
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.62	79	12769	2.37	ng	# 44
19) n-Nitroso-di-n-propylamine	8.09	70	21993	4.42	ng	# 43
22) Acetophenone	8.04	105	37260	4.44	ng	# 39
26) 2-Nitrophenol	8.89	139	9541	2.96	ng	# 61
31) Naphthalene	9.46	128	37562	2.09	ng	# 90
32) Benzoic acid	9.36	122	1195	5.46	ng	# 1
35) Caprolactam	10.26	113	97934	68.22	ng	# 68
36) 4-Chloro-3-methylphenol	10.47	107	11738	2.32	ng	# 19
37) 2-Methylnaphthalene	10.59	142	26853	2.21	ng	# 76
49) Dimethylphthalate	11.90	163	218314	19.57	ng	# 99
53) 2,4-Dinitrophenol	12.49	184	797	7.01	ng	# 1
55) 4-Nitrophenol	12.66	139	2650	6.14	ng	# 1
56) 2,4-Dinitrotoluene	12.71	165	7874	2.40	ng	# 46
69) Pentachlorophenol	14.41	266	250	6.88	ng	# 17

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

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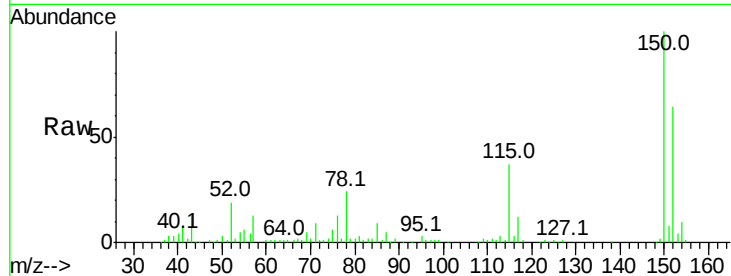


#1

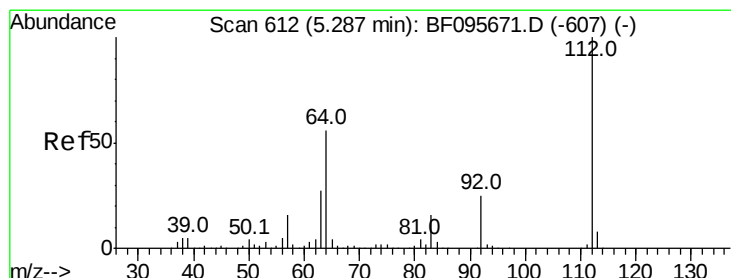
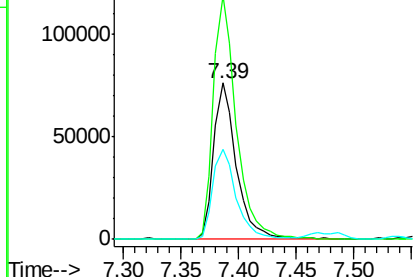
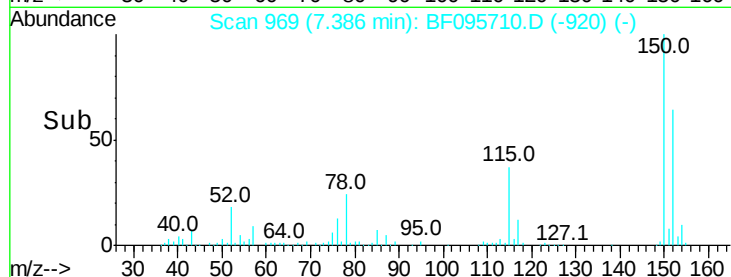
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.39 min Scan# 969
Delta R.T. -0.01 min
Lab File: BF095710.D
Acq: 6 Jun 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 104496
Ion Ratio Lower Upper
152 100
150 155.7 126.2 189.2
115 57.3 52.2 78.2



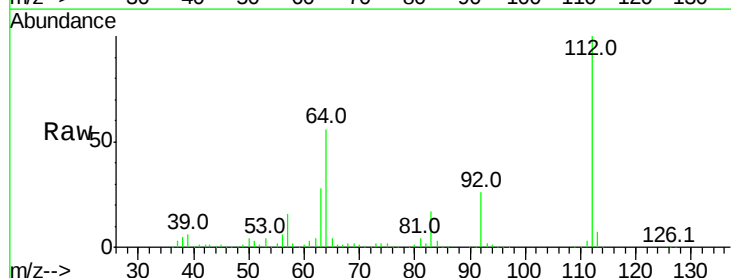
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



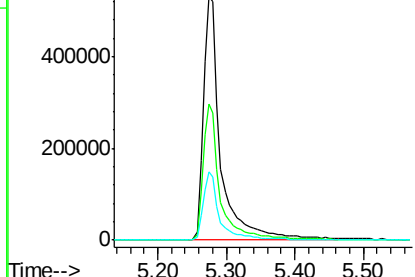
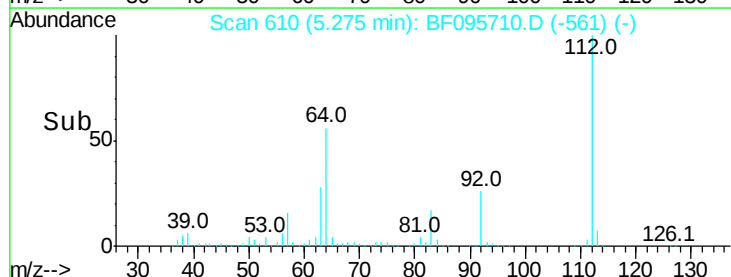
#5

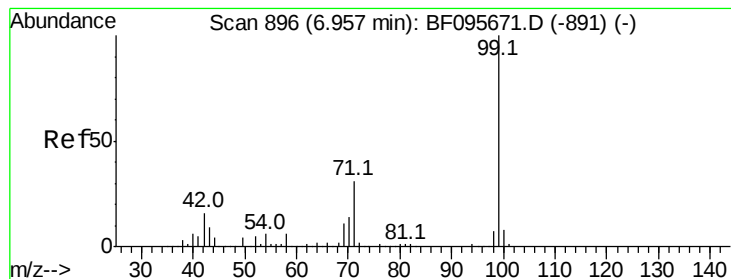
2-Fluorophenol
Concen: 145.22 ng
RT: 5.27 min Scan# 610
Delta R.T. -0.01 min
Lab File: BF095710.D
Acq: 6 Jun 2017 15:40

Tgt Ion:112 Resp: 952349
Ion Ratio Lower Upper
112 100
64 55.7 46.0 69.0
63 27.8 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: 147.37 ng

RT: 6.95 min Scan# 894

Delta R.T. -0.01 min

Lab File: BF095710.D

Acq: 6 Jun 2017 15:40

Instrument :

BNA_F

ClientSampleId :

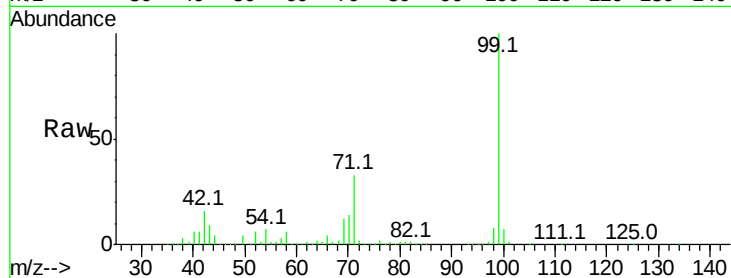
Tot Ion: 99 Resp: 1156953

Ion Ratio Lower Upper

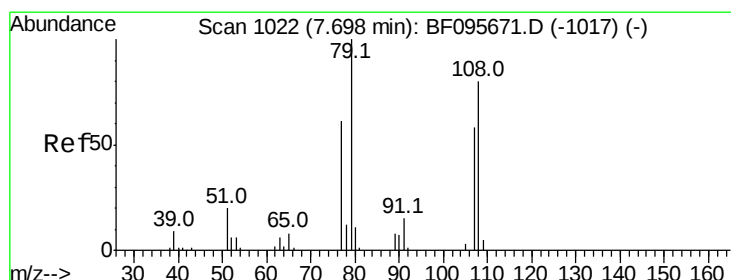
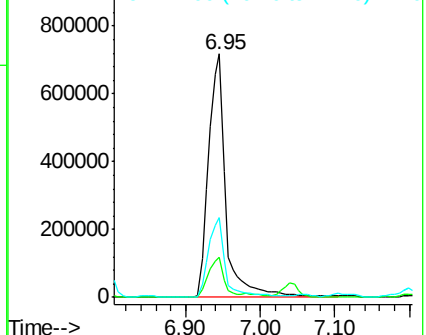
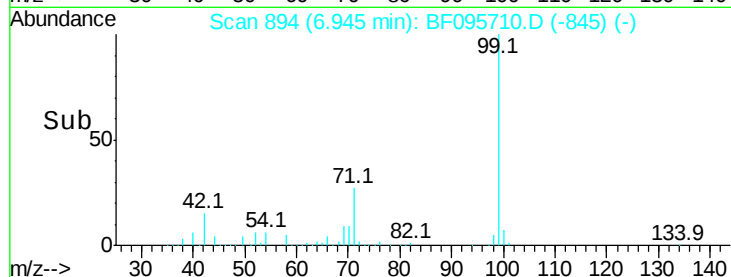
99 100

42 16.4 13.5 20.3

71 32.8 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: 2.37 ng

RT: 7.62 min Scan# 1009

Delta R.T. -0.08 min

Lab File: BF095710.D

Acq: 6 Jun 2017 15:40

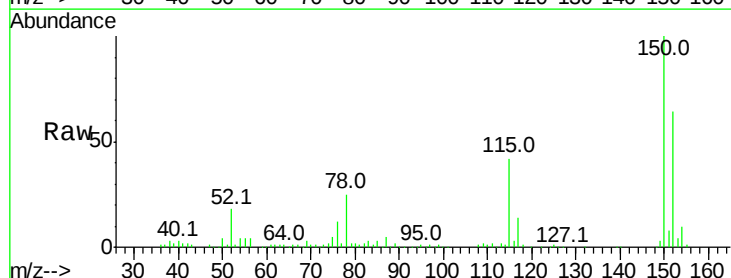
Tgt Ion: 79 Resp: 12769

Ion Ratio Lower Upper

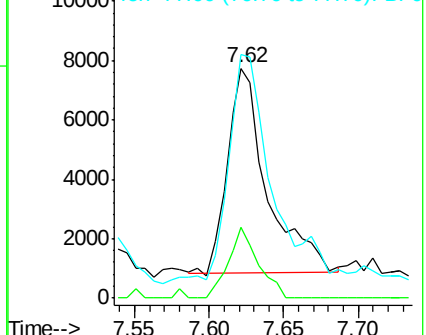
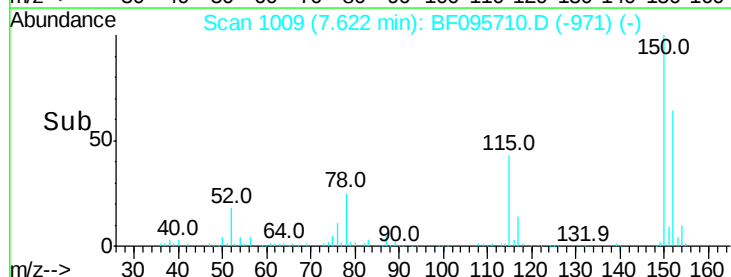
79 100

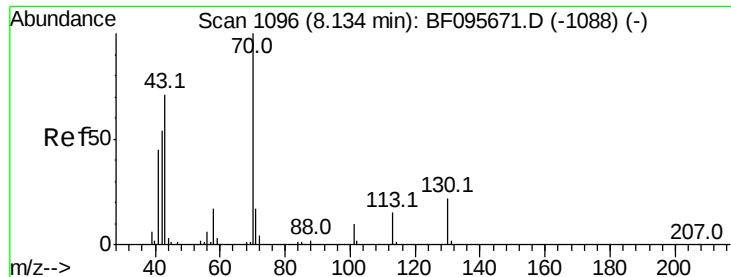
108 31.1 63.4 95.0#

77 106.1 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: 4.42 ng

RT: 8.09 min Scan# 1089

Delta R.T. -0.04 min

Lab File: BF095710.D

Acq: 6 Jun 2017 15:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 21993

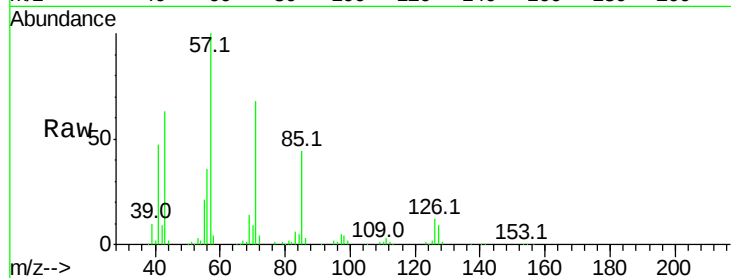
Ion Ratio Lower Upper

70 100

42 109.1 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

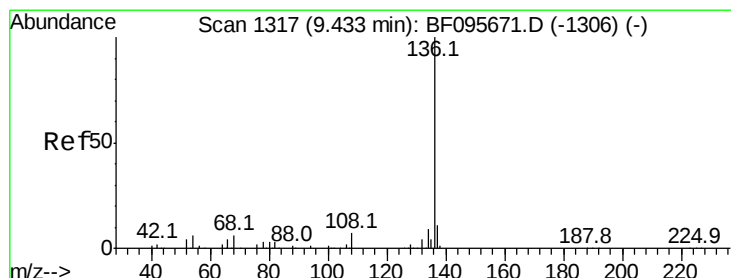
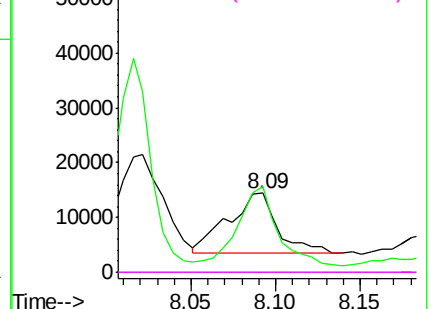
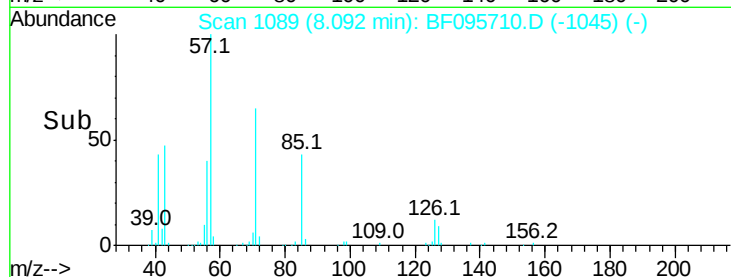


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.42 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF095710.D

Acq: 6 Jun 2017 15:40

Tgt Ion: 136 Resp: 358401

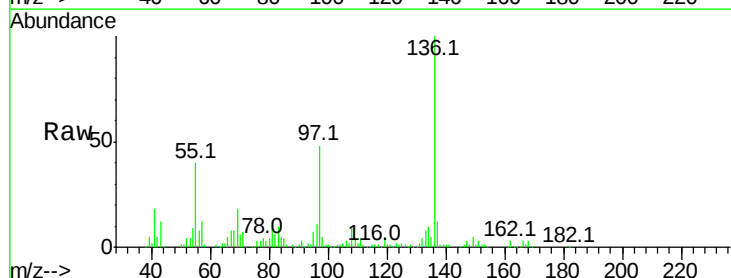
Ion Ratio Lower Upper

136 100

137 11.6 8.5 12.7

54 9.1 4.9 7.3#

68 8.0 4.1 6.1#

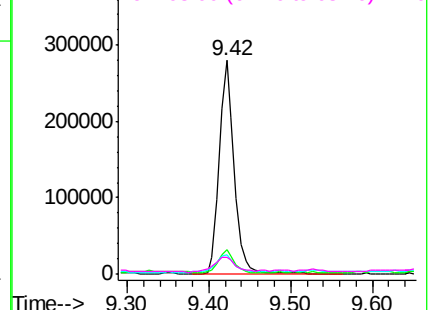
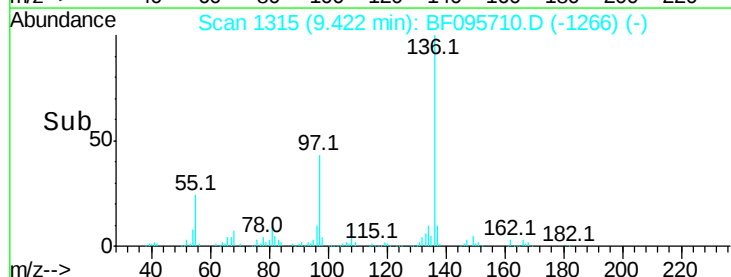


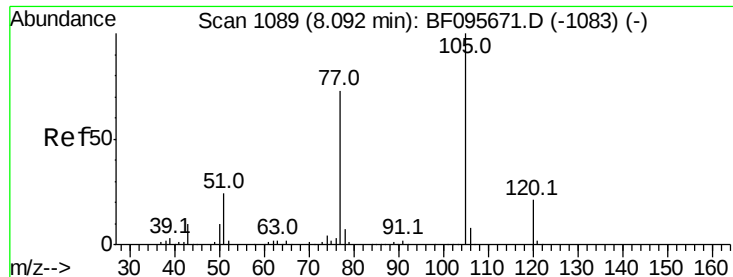
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 4.44 ng

RT: 8.04 min Scan# 1080

Delta R.T. -0.05 min

Lab File: BF095710.D

Acq: 6 Jun 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:105 Resp: 37260

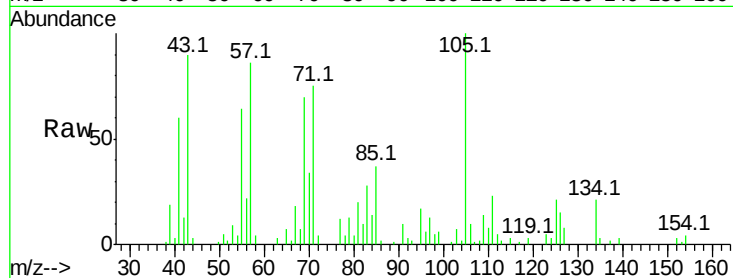
Ion Ratio Lower Upper

105 100

71 75.3 2.8 4.2#

51 4.9 30.7 46.1#

120 0.0 17.4 26.0#

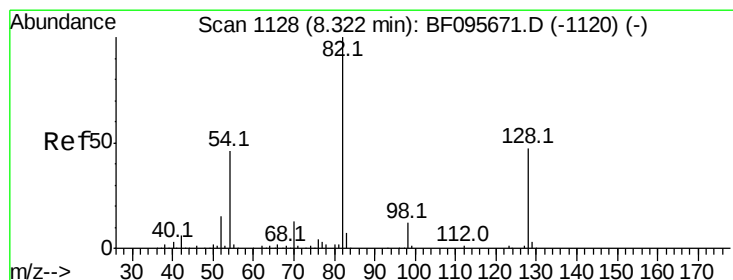
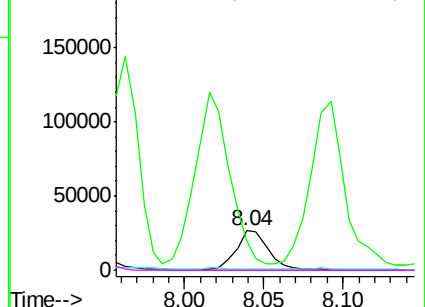
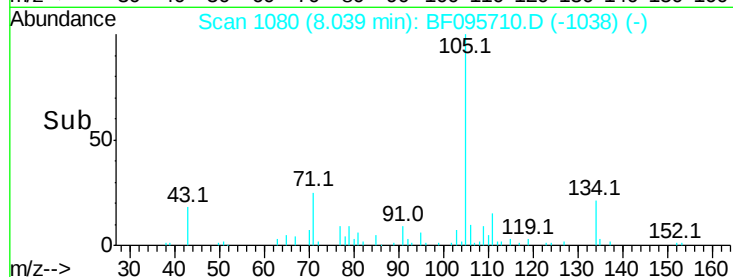


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 112.52 ng

RT: 8.30 min Scan# 1125

Delta R.T. -0.02 min

Lab File: BF095710.D

Acq: 6 Jun 2017 15:40

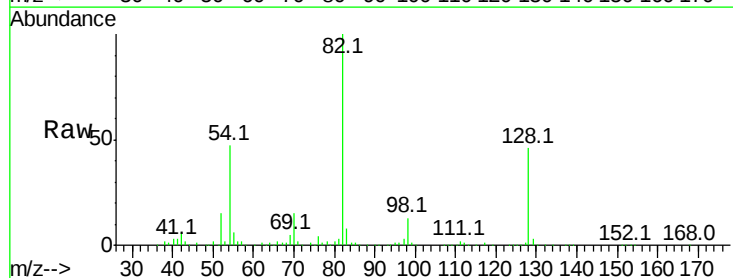
Tgt Ion: 82 Resp: 649328

Ion Ratio Lower Upper

82 100

128 46.5 34.0 51.0

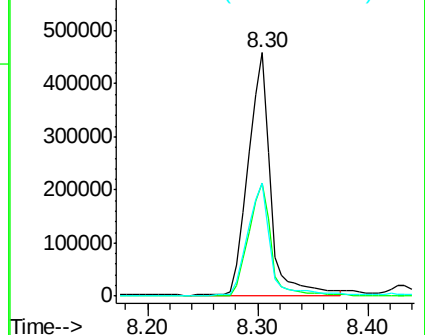
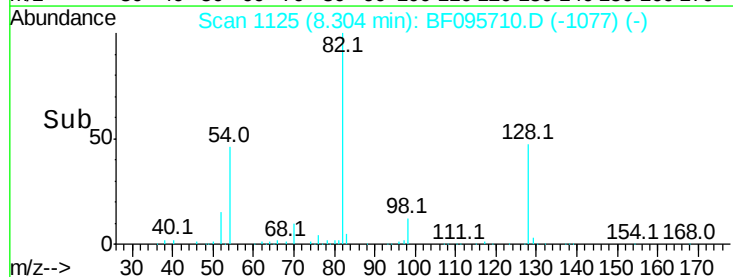
54 46.5 42.2 63.2

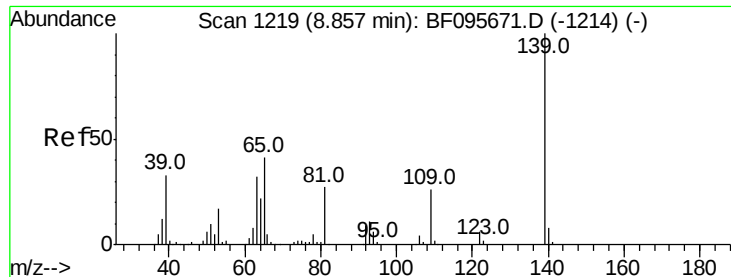


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#26

2-Nitrophenol

Concen: 2.96 ng

RT: 8.89 min Scan# 1224

Delta R.T. 0.03 min

Lab File: BF095710.D

Acq: 6 Jun 2017 15:40

Instrument :

BNA_F

ClientSampled :

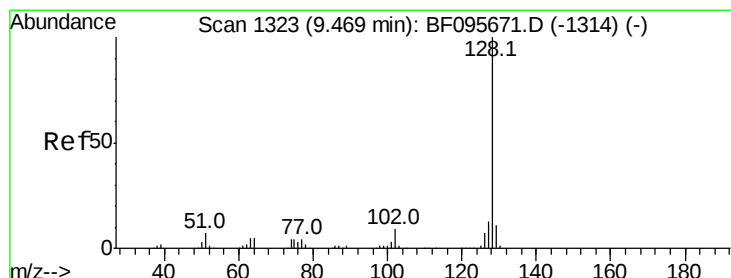
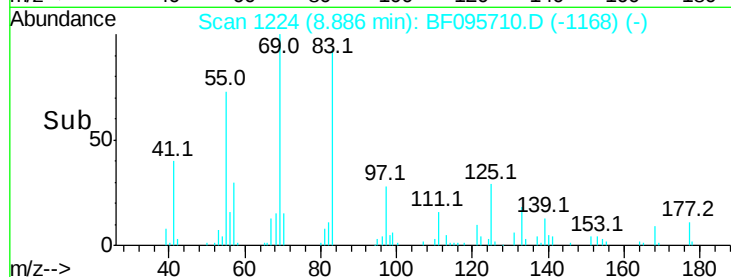
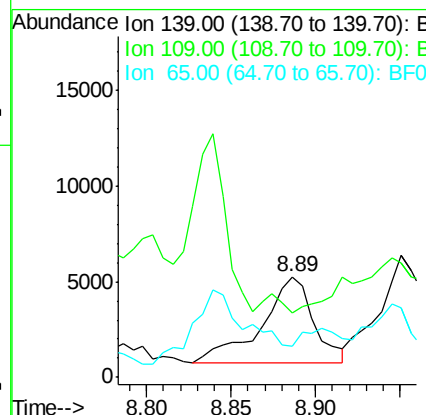
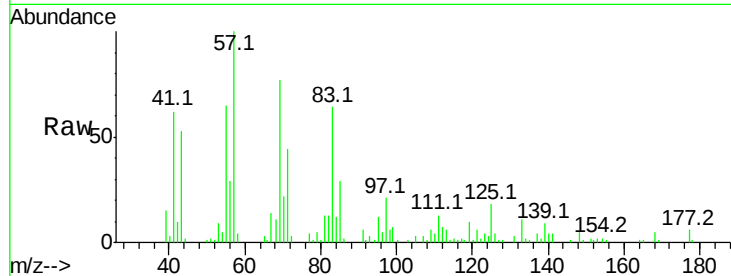
Tot Ion:139 Resp: 9541

Ion Ratio Lower Upper

139 100

109 64.5 21.0 31.6#

65 30.9 33.0 49.6#



#31

Naphthalene

Concen: 2.09 ng

RT: 9.46 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF095710.D

Acq: 6 Jun 2017 15:40

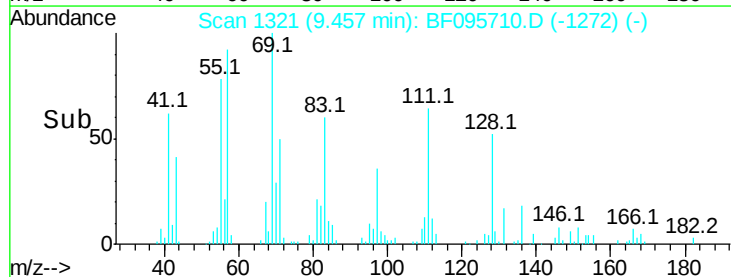
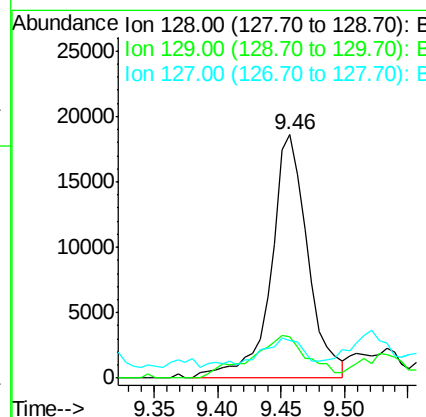
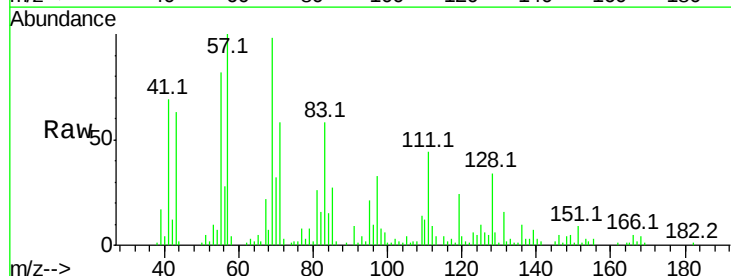
Tgt Ion:128 Resp: 37562

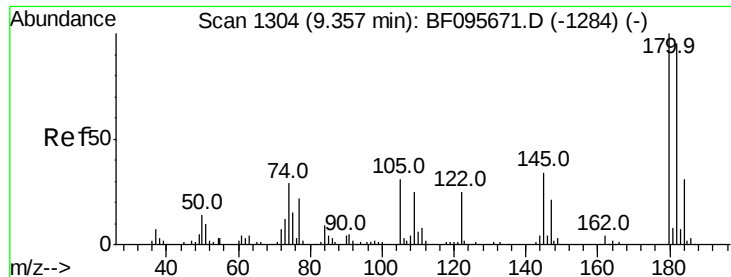
Ion Ratio Lower Upper

128 100

129 17.2 9.0 13.6#

127 15.4 10.8 16.2

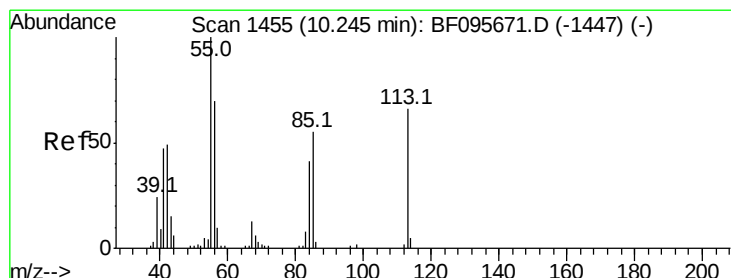
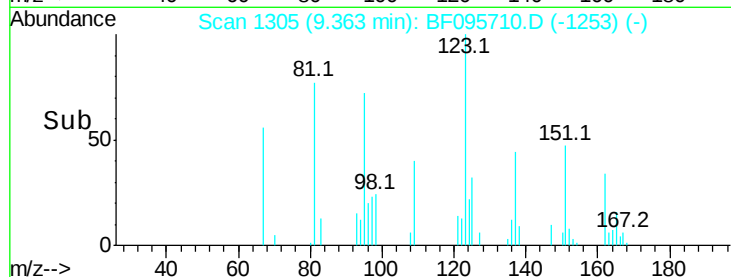
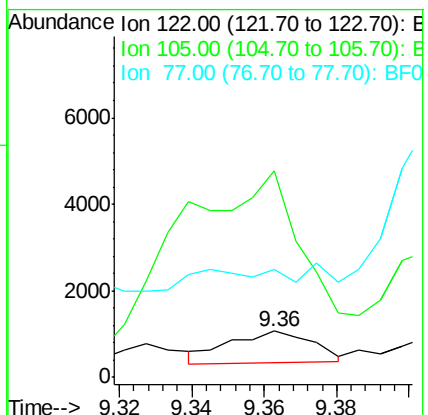
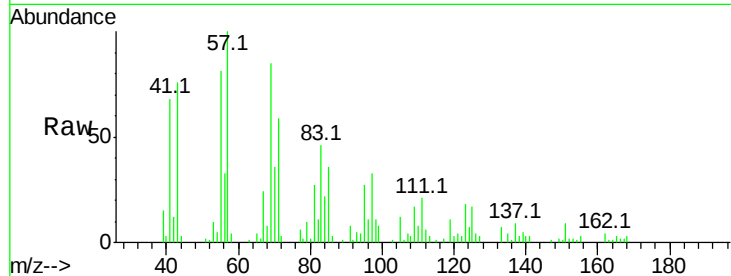




#32
Benzoic acid
Concen: 5.46 ng
RT: 9.36 min Scan# 1305
Delta R.T. 0.01 min
Lab File: BF095710.D
Acq: 6 Jun 2017 15:40

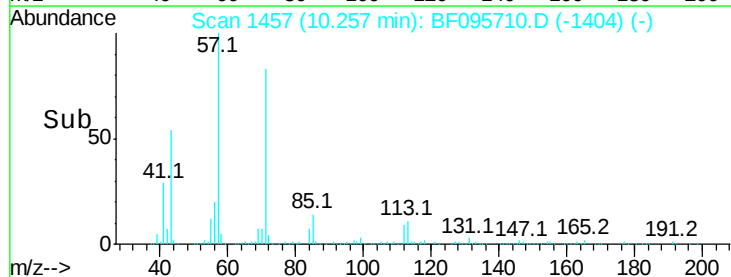
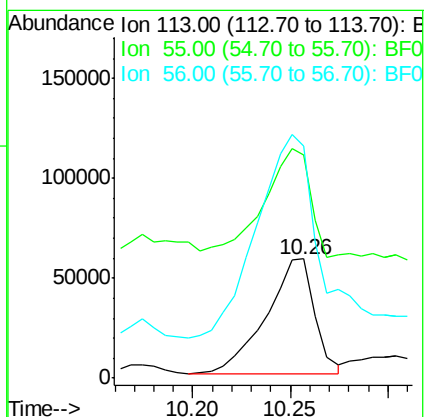
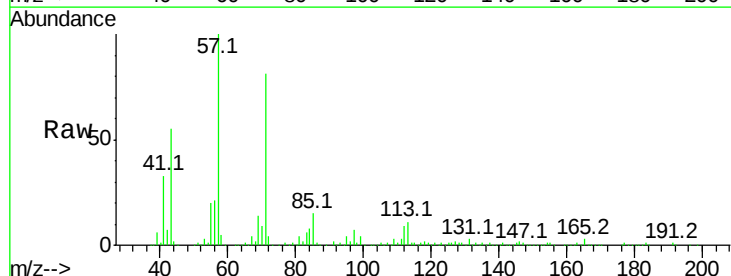
Instrument :
BNA_F
ClientSampleId :

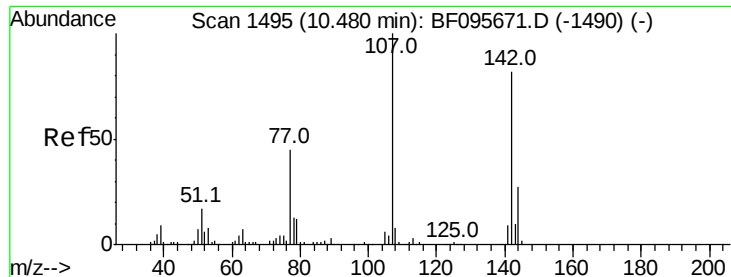
Tot Ion:122 Resp: 1195
Ion Ratio Lower Upper
122 100
105 445.8 103.3 143.3#
77 234.0 73.7 113.7#



#35
Caprolactam
Concen: 68.22 ng
RT: 10.26 min Scan# 1457
Delta R.T. 0.01 min
Lab File: BF095710.D
Acq: 6 Jun 2017 15:40

Tgt Ion:113 Resp: 97934
Ion Ratio Lower Upper
113 100
55 187.2 150.2 190.2
56 195.5 107.8 147.8#

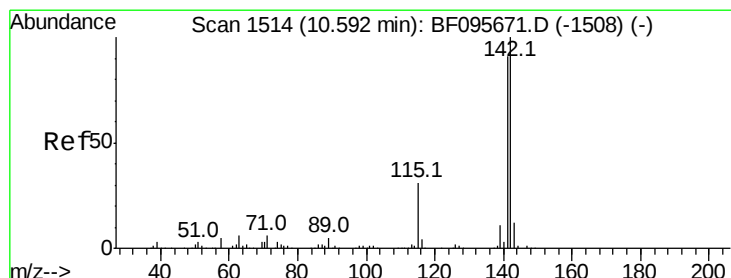
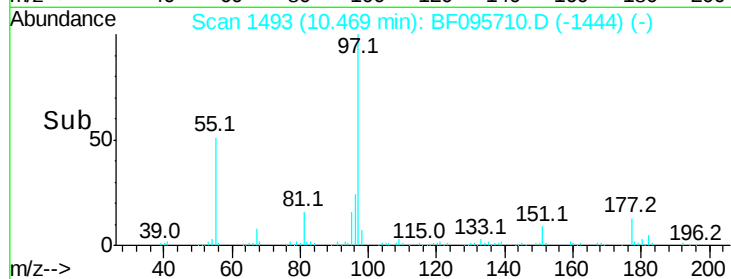
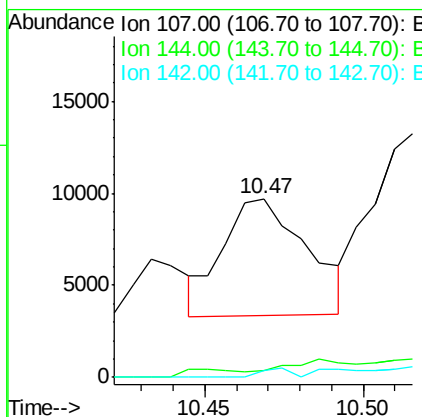
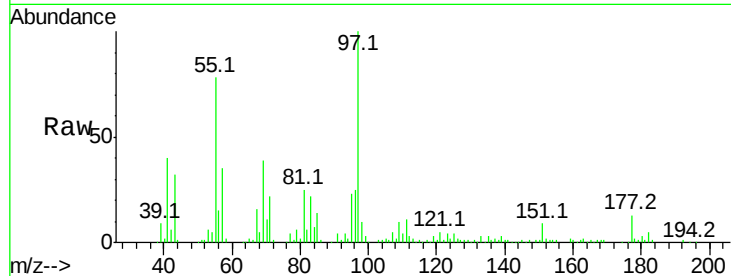




#36
 4-Chloro-3-methylphenol
 Concen: 2.32 ng
 RT: 10.47 min Scan# 1493
 Delta R.T. -0.01 min
 Lab File: BF095710.D
 Acq: 6 Jun 2017 15:40

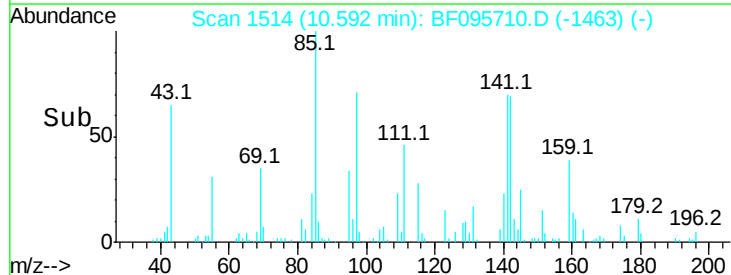
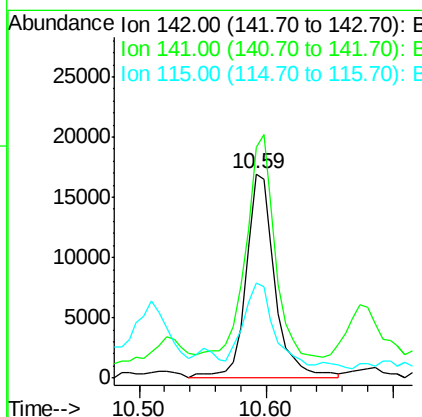
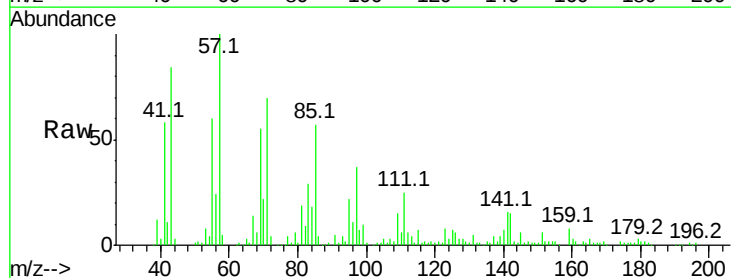
Instrument :
 BNA_F
 ClientSampleId :

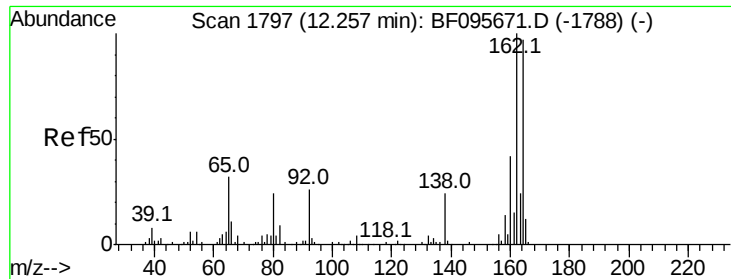
Tot Ion:107 Resp: 11738
 Ion Ratio Lower Upper
 107 100
 144 3.9 24.2 36.4#
 142 3.8 73.4 110.0#



#37
 2-Methylnaphthalene
 Concen: 2.21 ng
 RT: 10.59 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: BF095710.D
 Acq: 6 Jun 2017 15:40

Tgt Ion:142 Resp: 26853
 Ion Ratio Lower Upper
 142 100
 141 112.7 71.3 106.9#
 115 46.6 27.1 40.7#

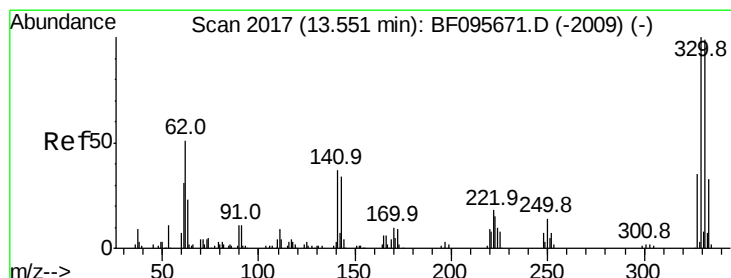
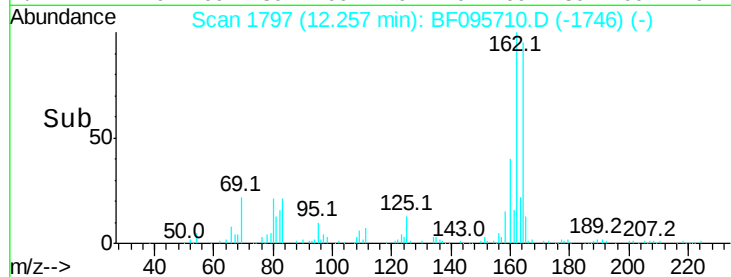
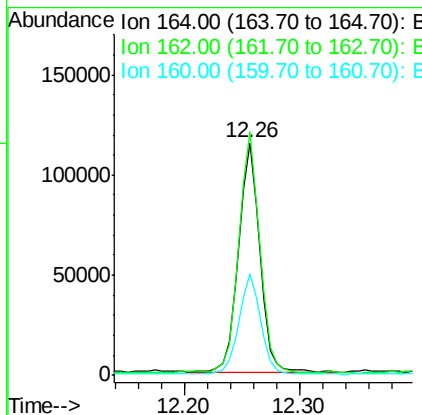
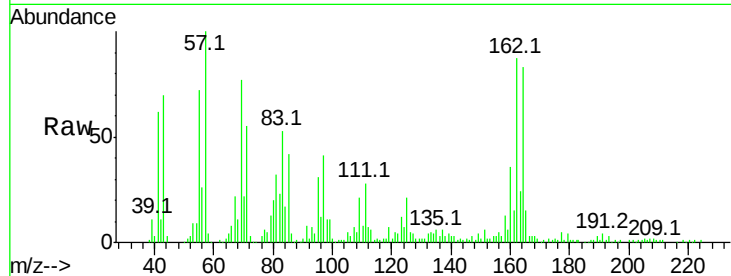




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.26 min Scan# 1797
Delta R.T. -0.00 min
Lab File: BF095710.D
Acq: 6 Jun 2017 15:40

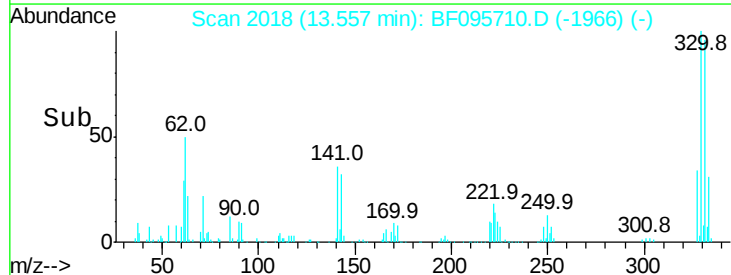
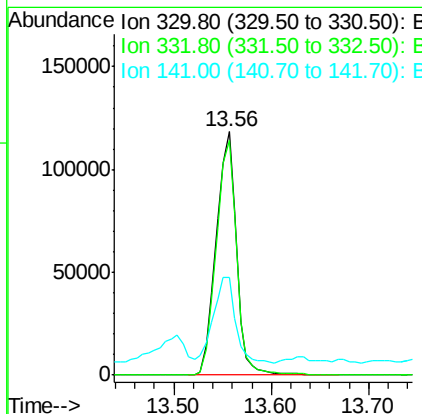
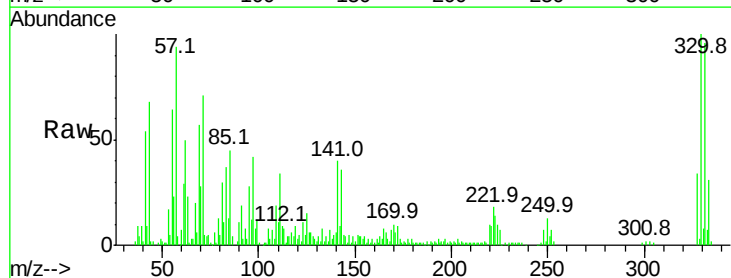
Instrument :
BNA_F
ClientSampleId :

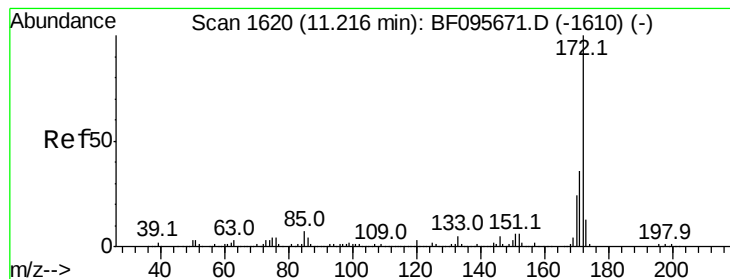
Tot Ion:164 Resp: 146935
Ion Ratio Lower Upper
164 100
162 104.7 82.6 123.8
160 43.6 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 131.86 ng
RT: 13.56 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF095710.D
Acq: 6 Jun 2017 15:40

Tgt Ion:330 Resp: 171427
Ion Ratio Lower Upper
330 100
332 96.9 76.6 115.0
141 38.0 31.4 47.2





#44

2-Fluorobiphenyl

Concen: 79.54 ng

RT: 11.21 min Scan# 1619

Delta R.T. -0.01 min

Lab File: BF095710.D

Acq: 6 Jun 2017 15:40

Instrument :

BNA_F

ClientSampleId :

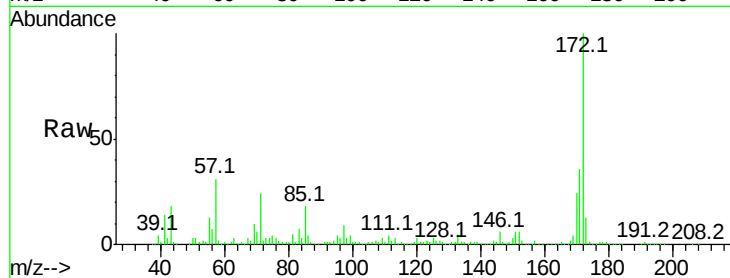
Tot Ion:172 Resp: 839872

Ion Ratio Lower Upper

172 100

171 35.8 29.6 44.4

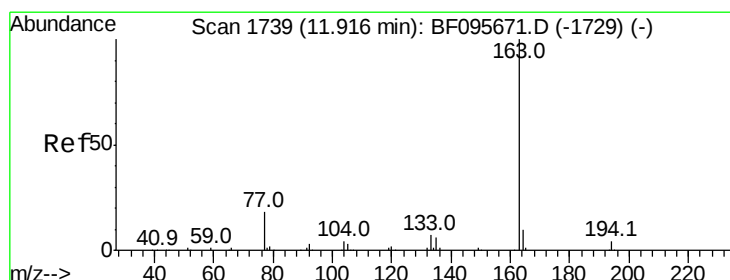
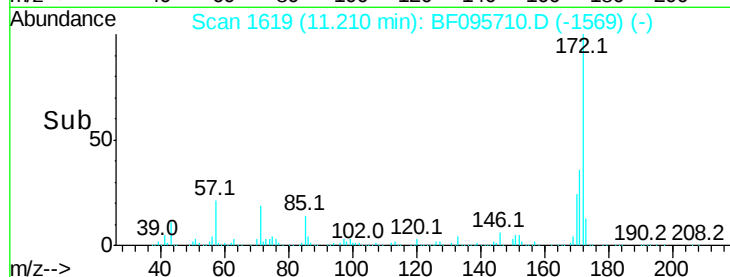
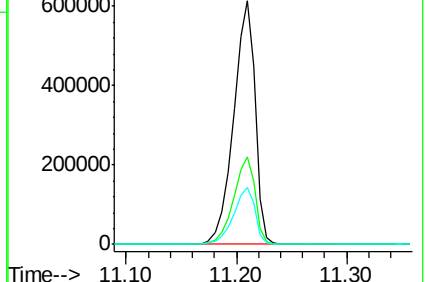
170 23.5 19.8 29.8



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: 19.57 ng

RT: 11.90 min Scan# 1736

Delta R.T. -0.02 min

Lab File: BF095710.D

Acq: 6 Jun 2017 15:40

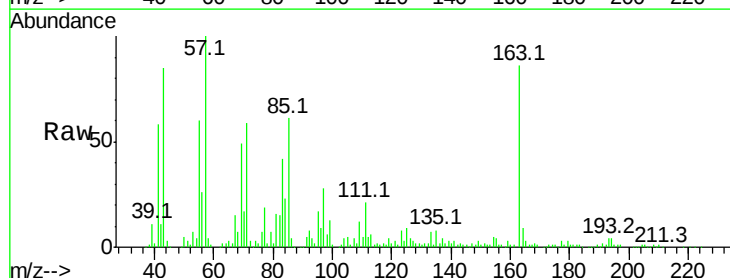
Tgt Ion:163 Resp: 218314

Ion Ratio Lower Upper

163 100

194 4.2 2.6 4.0#

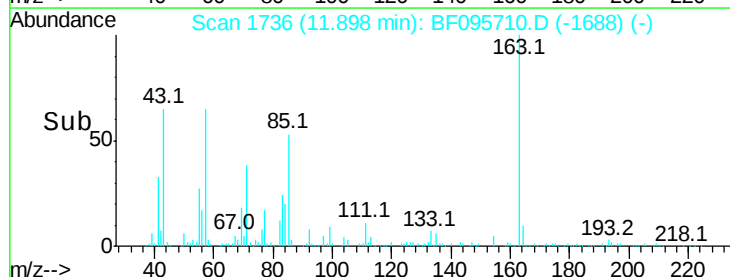
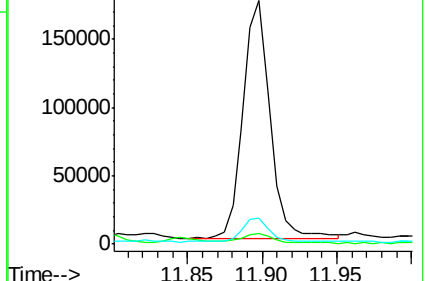
164 10.9 8.4 12.6

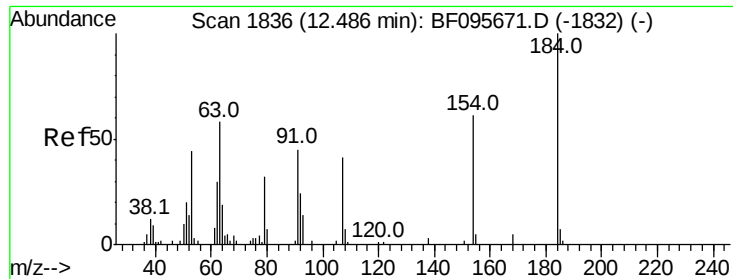


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

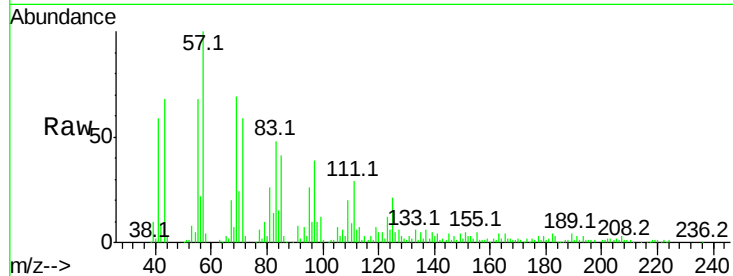




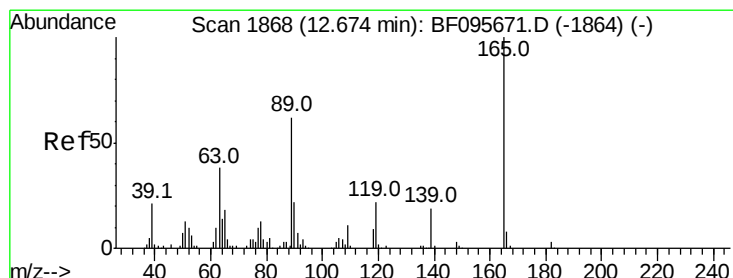
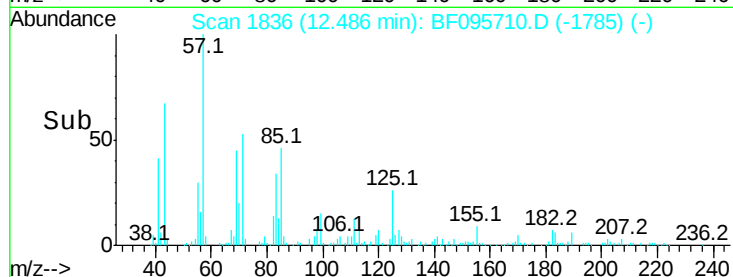
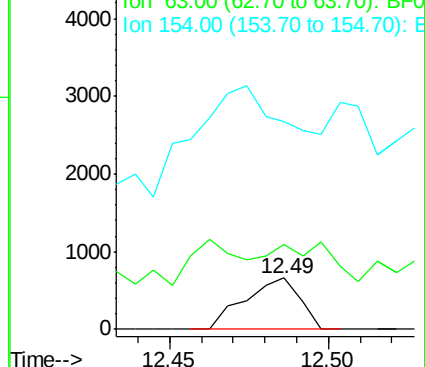
#53
2,4-Dinitrophenol
Concen: 7.01 ng
RT: 12.49 min Scan# 1836
Delta R.T. 0.00 min
Lab File: BF095710.D
Acq: 6 Jun 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 797
Ion Ratio Lower Upper
184 100
63 165.1 62.7 94.1#
154 406.1 81.1 121.7#

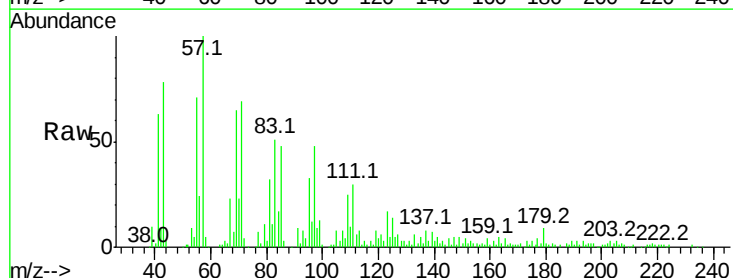


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

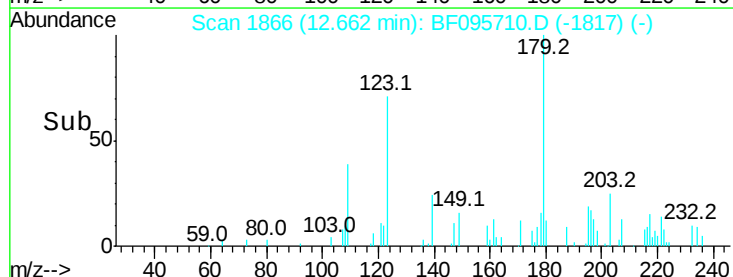
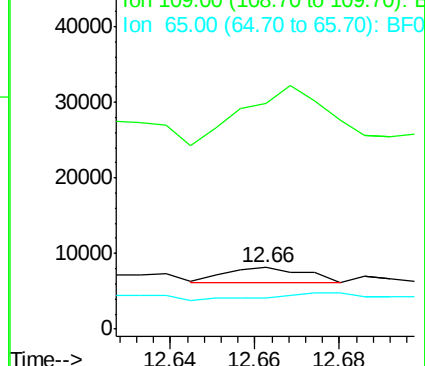


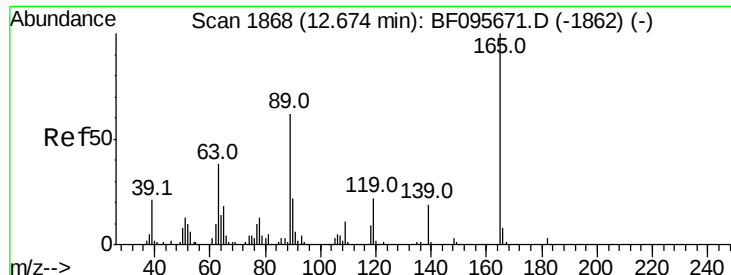
#55
4-Nitrophenol
Concen: 6.14 ng
RT: 12.66 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BF095710.D
Acq: 6 Jun 2017 15:40

Tgt Ion:139 Resp: 2650
Ion Ratio Lower Upper
139 100
109 365.4 34.1 74.1#
65 51.1 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

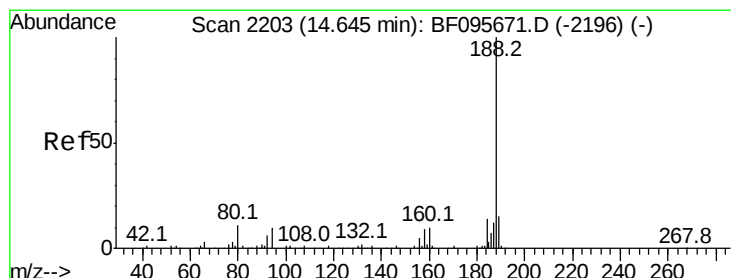
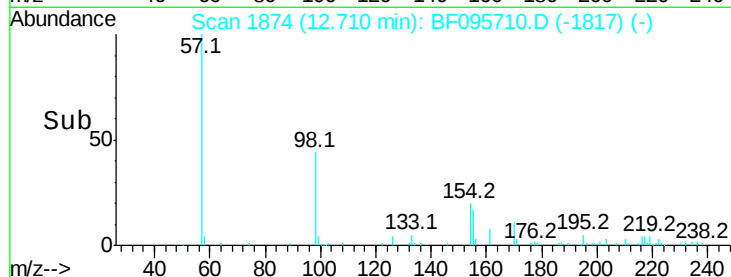
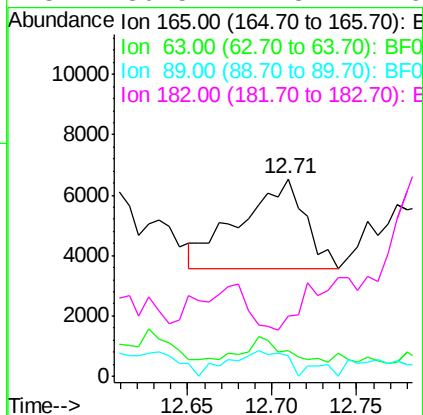
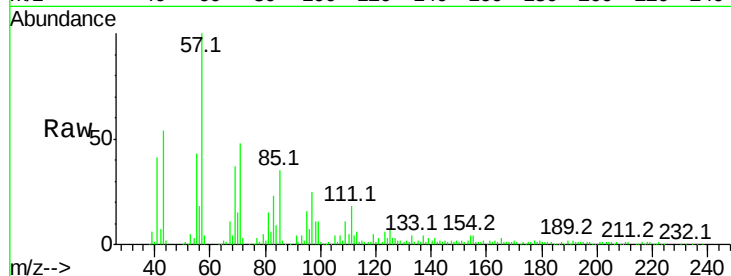




#56
2,4-Dinitrotoluene
Concen: 2.40 ng
RT: 12.71 min Scan# 1874
Delta R.T. 0.04 min
Lab File: BF095710.D
Acq: 6 Jun 2017 15:40

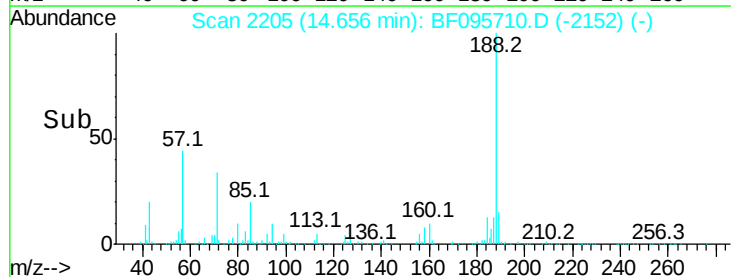
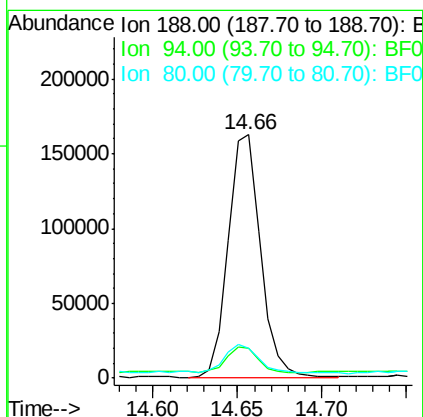
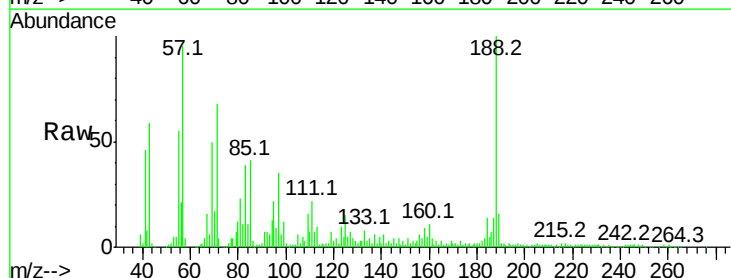
Instrument :
BNA_F
ClientSampleId :

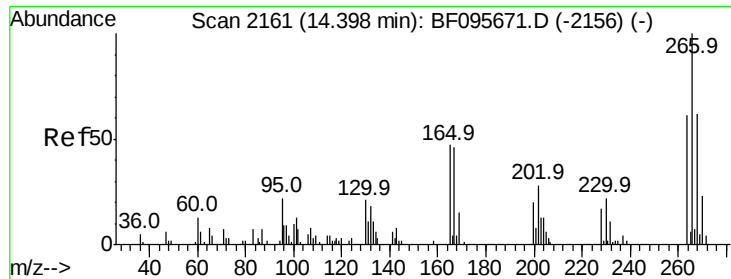
Tot Ion:165 Resp: 7874
Ion Ratio Lower Upper
165 100
63 13.1 25.4 38.0#
89 10.6 46.4 69.6#
182 30.5 1.8 2.6#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.66 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF095710.D
Acq: 6 Jun 2017 15:40

Tgt Ion:188 Resp: 215499
Ion Ratio Lower Upper
188 100
94 12.5 9.4 14.2
80 12.5 10.2 15.2

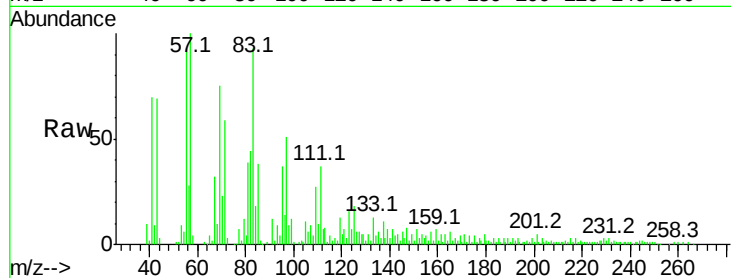




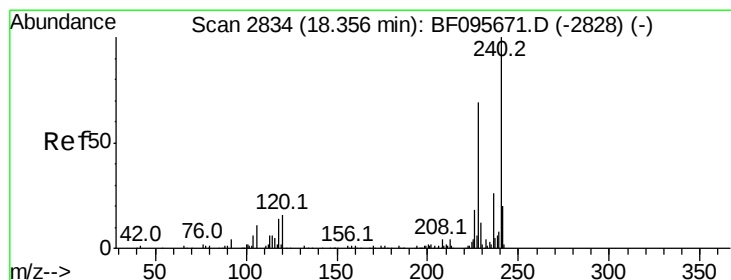
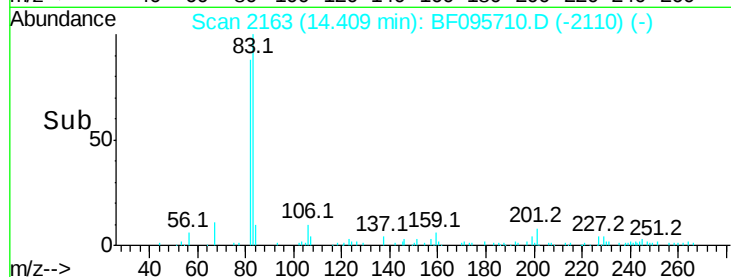
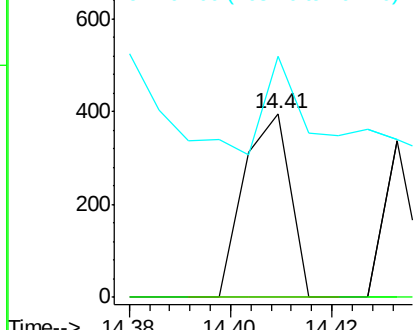
#69
 Pentachlorophenol
 Concen: 6.88 ng
 RT: 14.41 min Scan# 2163
 Delta R.T. 0.01 min
 Lab File: BF095710.D
 Acq: 6 Jun 2017 15:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:266 Resp: 250
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.1 76.7#
 264 131.3 51.7 77.5#

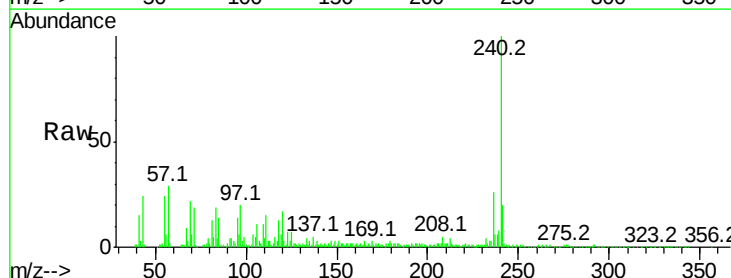


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

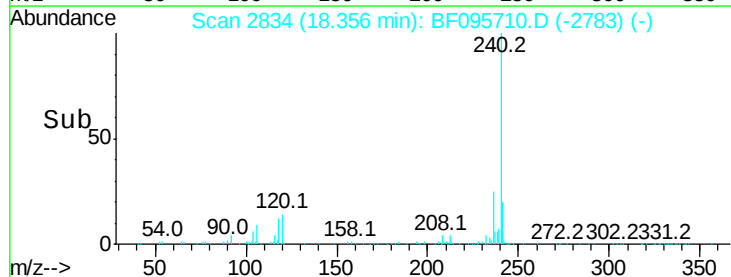
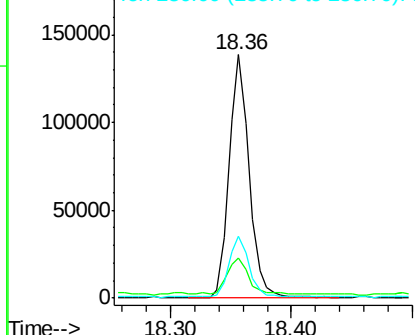


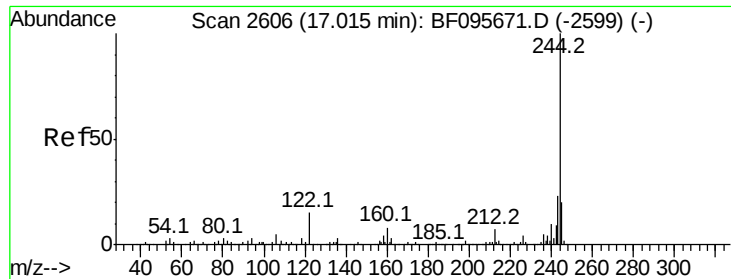
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.36 min Scan# 2834
 Delta R.T. -0.00 min
 Lab File: BF095710.D
 Acq: 6 Jun 2017 15:40

Tgt Ion:240 Resp: 161001
 Ion Ratio Lower Upper
 240 100
 120 16.6 5.8 8.8#
 236 25.6 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

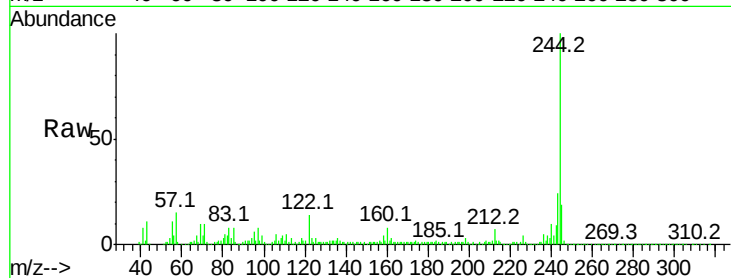




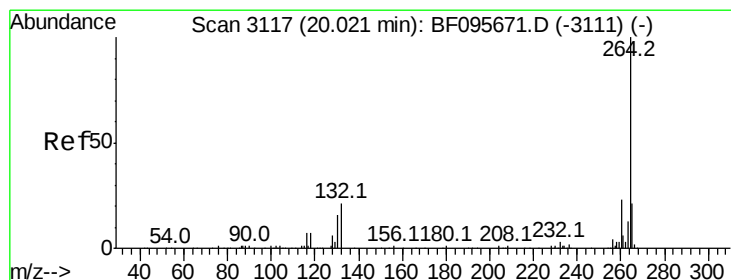
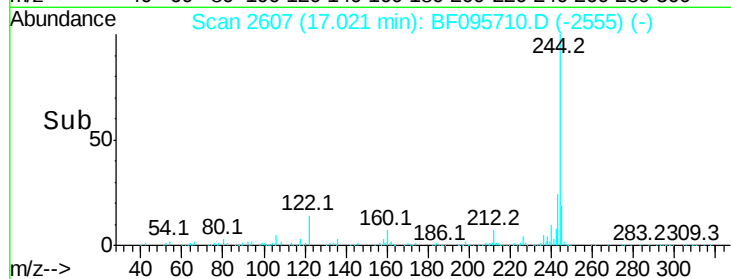
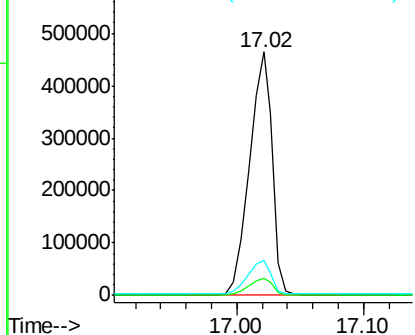
#78
 Terphenyl-d14
 Concen: 88.86 ng
 RT: 17.02 min Scan# 2607
 Delta R.T. 0.01 min
 Lab File: BF095710.D
 Acq: 6 Jun 2017 15:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 576506
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 14.5 10.3 15.5

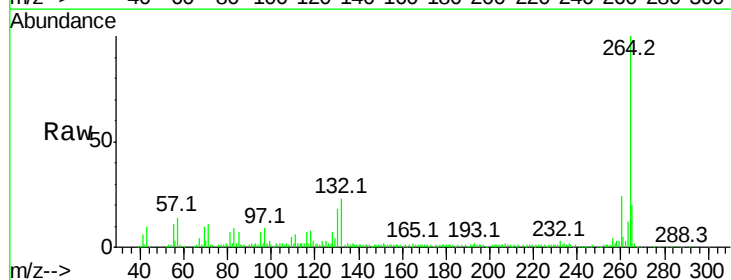


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.01 min Scan# 3116
 Delta R.T. -0.01 min
 Lab File: BF095710.D
 Acq: 6 Jun 2017 15:40

Tgt Ion:264 Resp: 143663
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.5 29.3
 265 20.5 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

