

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF071717\
 Data File : BF096817.D
 Acq On : 17 Jul 2017 14:14
 Operator : SJ/JU
 Sample : I4030-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D1

Quant Time: Jul 17 15:52:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	115857	20.00	ng	-0.02
21) Naphthalene-d8	7.89	136	353318	20.00	ng	-0.03
38) Acenaphthene-d10	9.64	164	171498	20.00	ng	-0.03
63) Phenanthrene-d10	11.12	188	277847	20.00	ng	-0.03
75) Chrysene-d12	13.74	240	140123	20.00	ng	-0.04
86) Perylene-d12	15.12	264	172790	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	715679	92.88	ng	-0.01
7) Phenol-d6	6.26	99	960679	103.89	ng	-0.02
23) Nitrobenzene-d5	7.17	82	536709	94.09	ng	-0.03
41) 2,4,6-Tribromophenol	10.43	330	146452	100.04	ng	-0.03
44) 2-Fluorobiphenyl	8.97	172	758845	69.91	ng	-0.03
78) Terphenyl-d14	12.70	244	406014	50.25	ng	-0.04

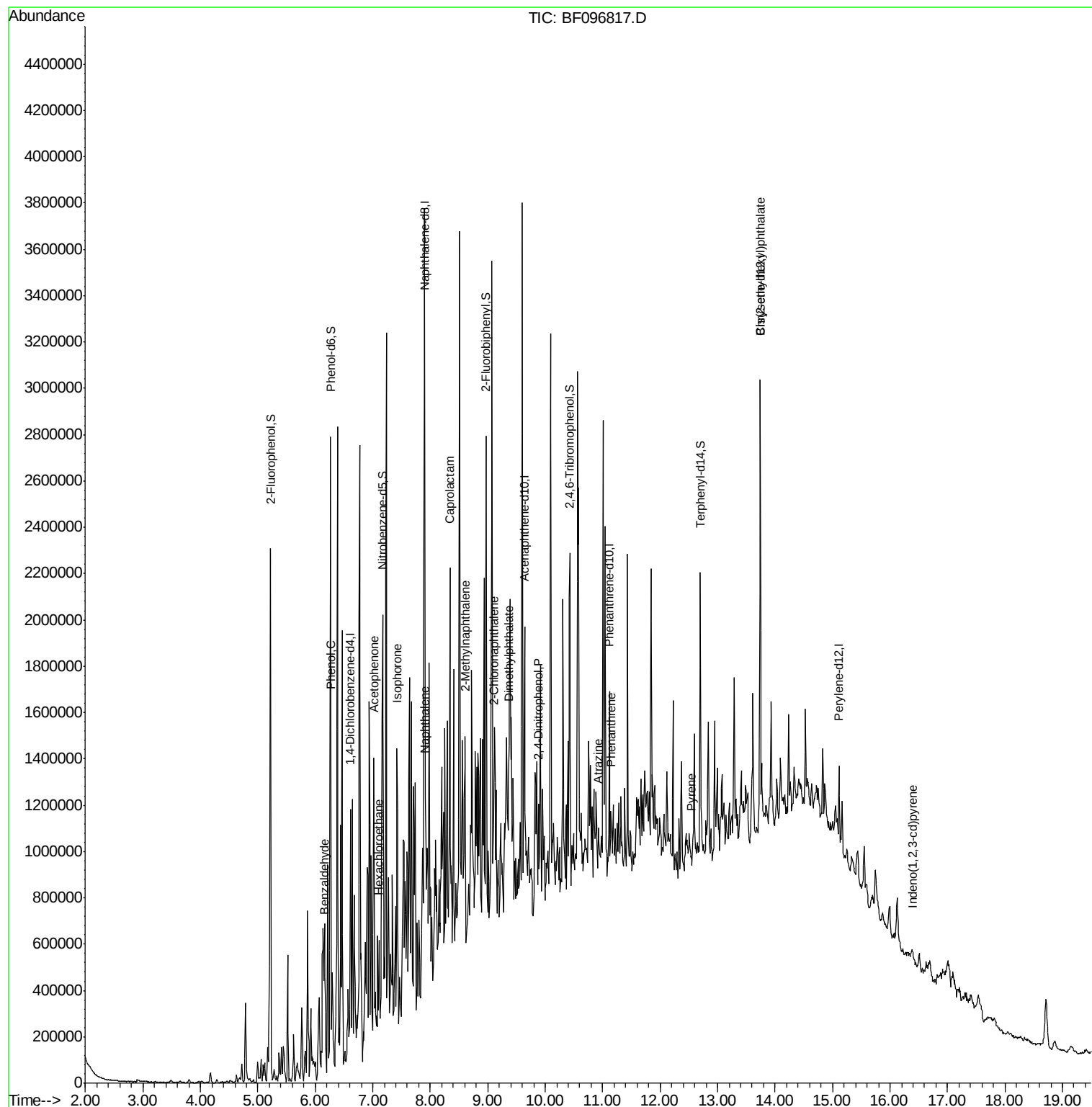
Target Compounds				Qvalue		
9) Benzaldehyde	6.17	77	13315	2.491	ng	# 1
10) Phenol	6.27	94	21979	2.103	ng	97
18) Hexachloroethane	7.11	117	9991	3.149	ng	# 1
22) Acetophenone	7.02	105	131118	16.604	ng	# 46
25) Isophorone	7.43	82	35717	3.366	ng	# 1
31) Naphthalene	7.92	128	103273	6.170	ng	# 93
35) Caprolactam	8.34	113	27167	17.357	ng	# 1
37) 2-Methylnaphthalene	8.60	142	92987	8.714	ng	99
46) 2-Chloronaphthalene	9.11	162	22657	2.092	ng	# 70
49) Dimethylphthalate	9.36	163	123943	9.598	ng	# 97
53) 2,4-Dinitrophenol	9.89	184	329	6.958	ng	# 1
60) 4-Chlorophenyl-phenylether	10.18	204	641	Below Cal		# 1
68) Atrazine	10.93	200	8511	3.008	ng	78
70) Phenanthrene	11.14	178	54543	3.610	ng	# 92
77) Pyrene	12.54	202	25957	2.041	ng	96
83) Bis(2-ethylhexyl)phthalate	13.74	149	707400	96.136	ng	99
85) Indeno(1,2,3-cd)pyrene	16.40	276	6195	4.078	ng	91

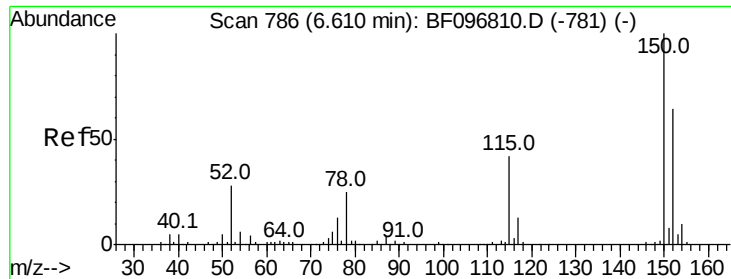
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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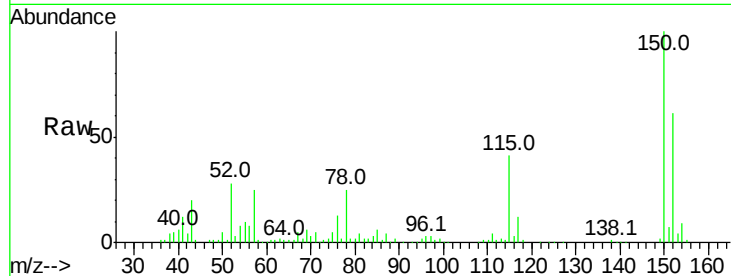


#1

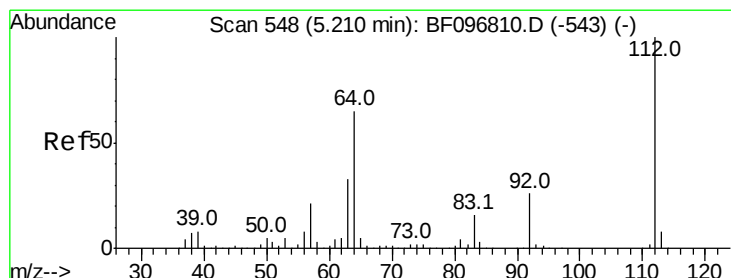
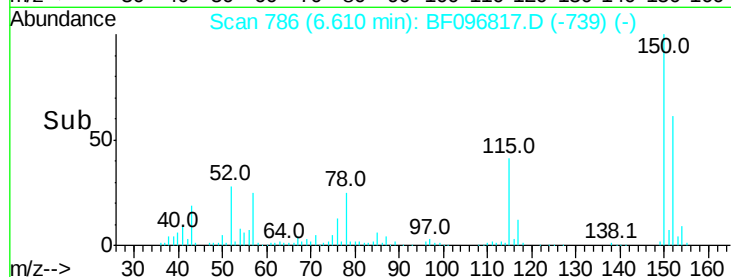
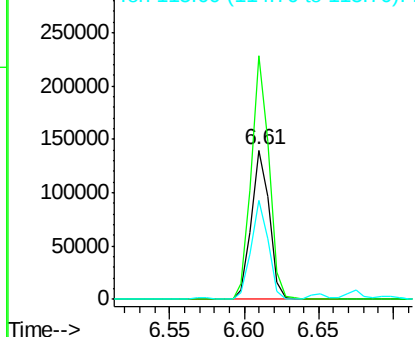
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF096817.D
Acq: 17 Jul 2017 14:14

Instrument :
BNA_F
ClientSampleId :
D1

Tot Ion:152 Resp: 115857
Ion Ratio Lower Upper
152 100
150 163.2 126.2 189.2
115 66.7 52.2 78.2



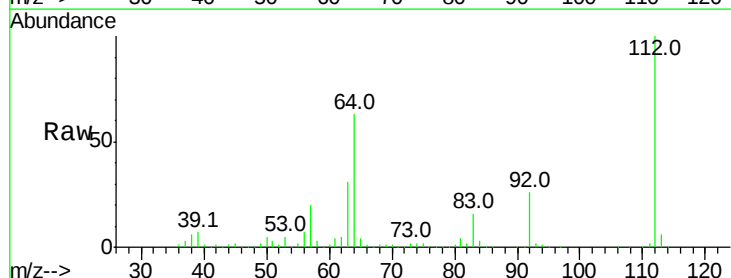
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



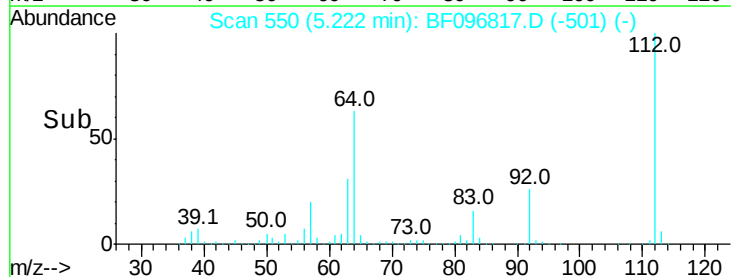
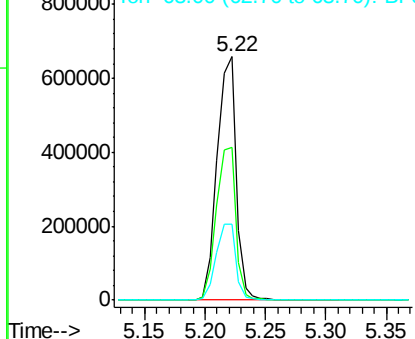
#5

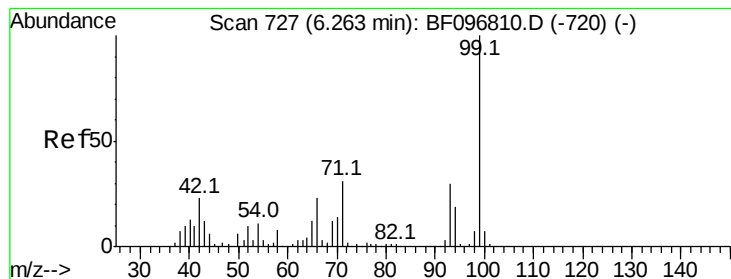
2-Fluorophenol
Concen: 92.880 ng
RT: 5.22 min Scan# 550
Delta R.T. -0.01 min
Lab File: BF096817.D
Acq: 17 Jul 2017 14:14

Tgt Ion:112 Resp: 715679
Ion Ratio Lower Upper
112 100
64 62.6 46.0 69.0
63 31.3 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: 103.894 ng

RT: 6.26 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF096817.D

Acq: 17 Jul 2017 14:14

Instrument :

BNA_F

ClientSampleId :

D1

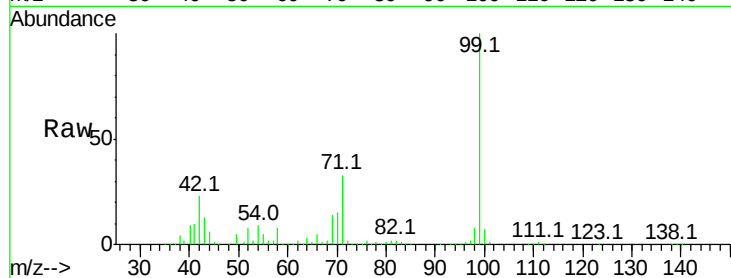
Tot Ion: 99 Resp: 960679

Ion Ratio Lower Upper

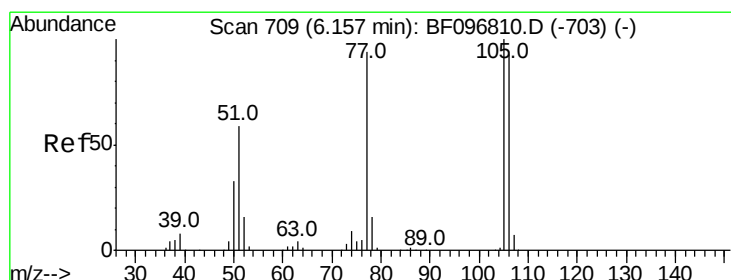
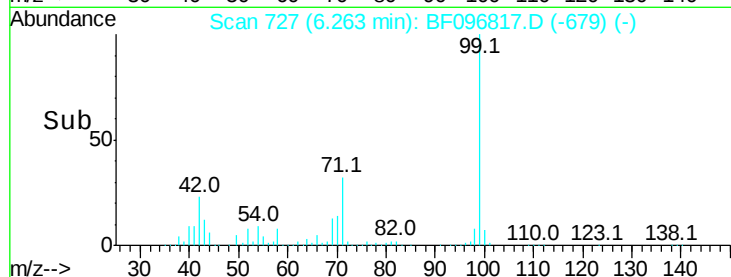
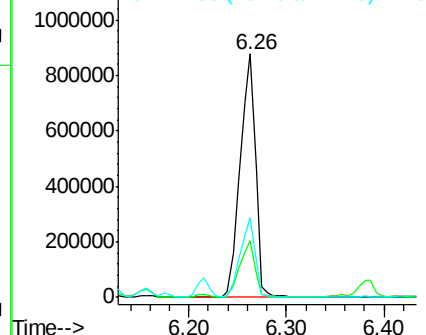
99 100

42 23.1 13.5 20.3#

71 32.6 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



#9

Benzaldehyde

Concen: 2.491 ng

RT: 6.17 min Scan# 711

Delta R.T. -0.01 min

Lab File: BF096817.D

Acq: 17 Jul 2017 14:14

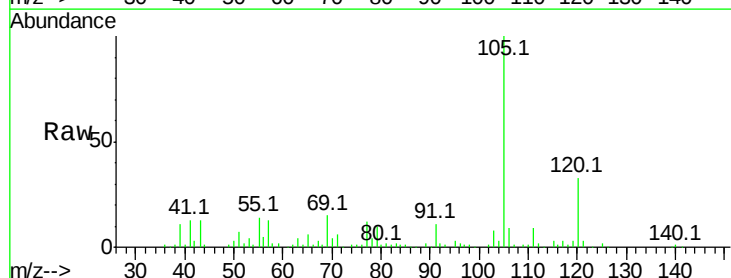
Tgt Ion: 77 Resp: 13315

Ion Ratio Lower Upper

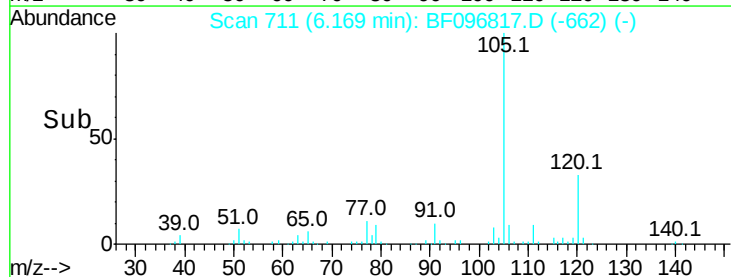
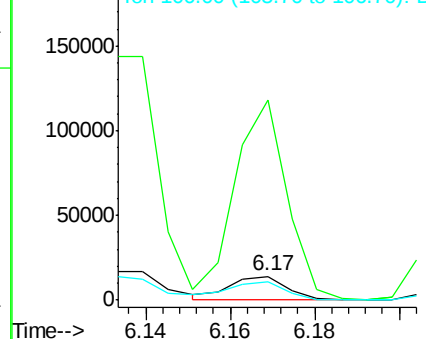
77 100

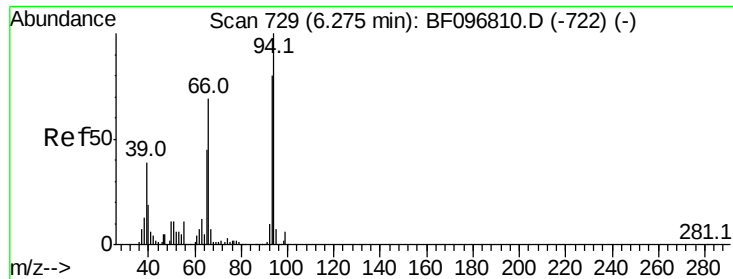
105 843.1 83.8 123.8#

106 79.1 79.1 119.1#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.103 ng

RT: 6.27 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF096817.D

Acq: 17 Jul 2017 14:14

Instrument :

BNA_F

ClientSampled :

D1

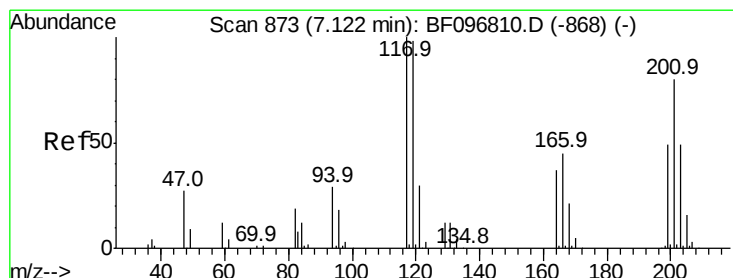
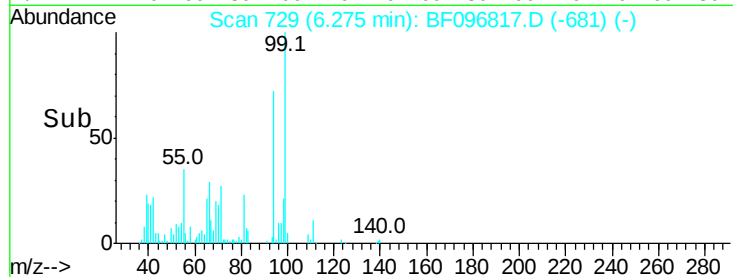
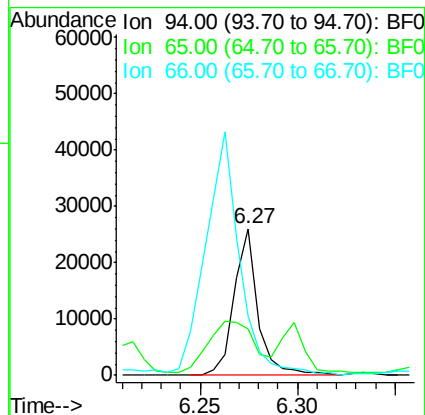
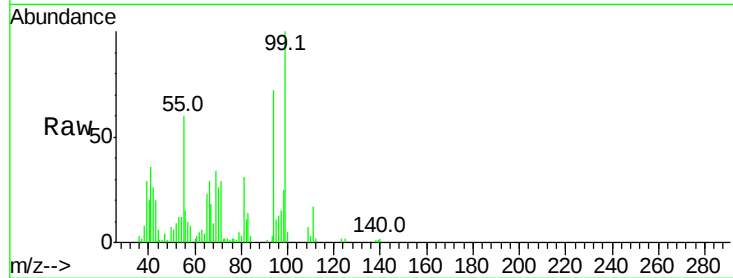
Tot Ion: 94 Resp: 21979

Ion Ratio Lower Upper

94 100

65 31.3 9.9 49.9

66 40.7 23.1 63.1



#18

Hexachloroethane

Concen: 3.149 ng

RT: 7.11 min Scan# 871

Delta R.T. -0.04 min

Lab File: BF096817.D

Acq: 17 Jul 2017 14:14

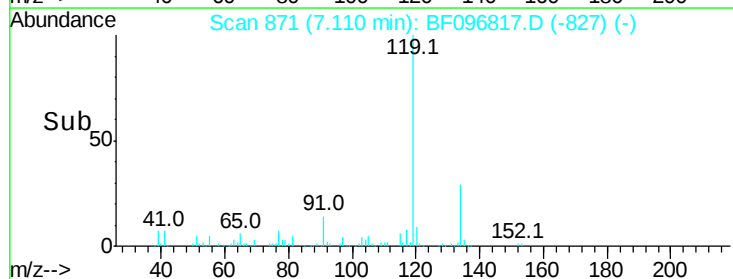
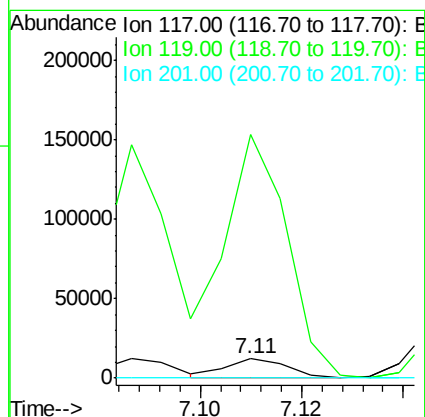
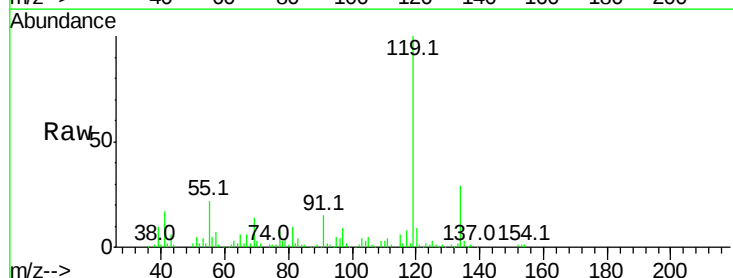
Tgt Ion: 117 Resp: 9991

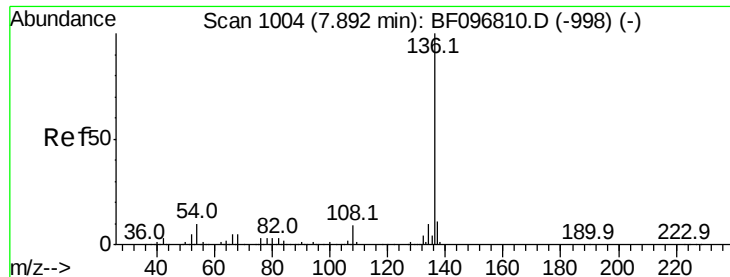
Ion Ratio Lower Upper

117 100

119 1278.3 77.4 116.0#

201 0.0 94.6 141.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 1004

Delta R.T. -0.03 min

Lab File: BF096817.D

Acq: 17 Jul 2017 14:14

Instrument :

BNA_F

ClientSampleId :

D1

Tot Ion:136 Resp: 353318

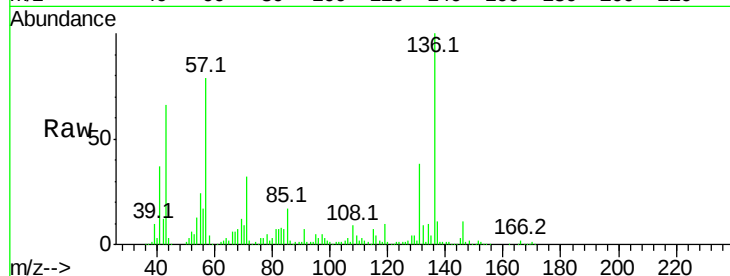
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 12.9 4.9 7.3#

68 7.4 4.1 6.1#

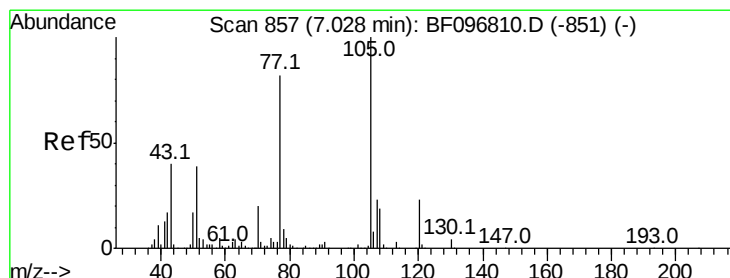
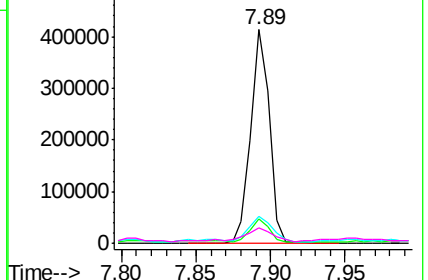
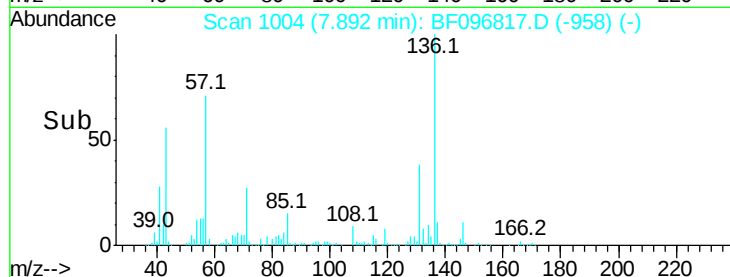


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 16.604 ng

RT: 7.02 min Scan# 855

Delta R.T. -0.04 min

Lab File: BF096817.D

Acq: 17 Jul 2017 14:14

Tgt Ion:105 Resp: 131118

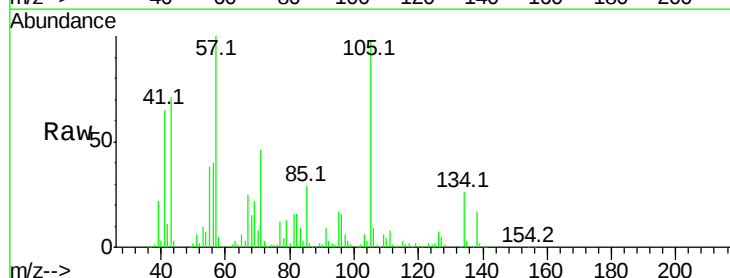
Ion Ratio Lower Upper

105 100

71 47.3 2.8 4.2#

51 6.6 30.7 46.1#

120 0.4 17.4 26.0#

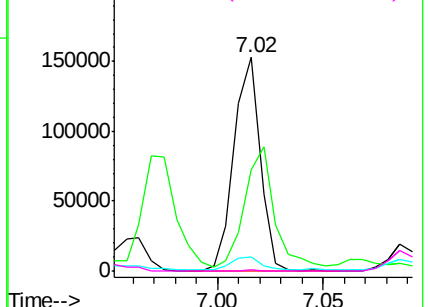
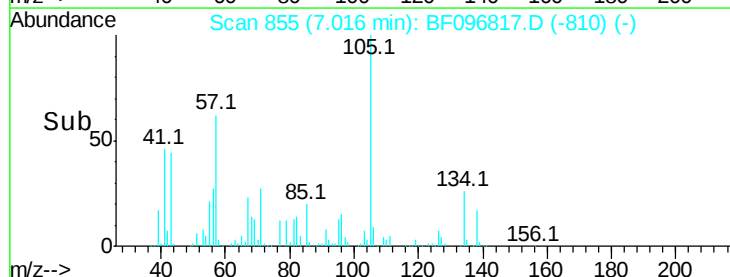


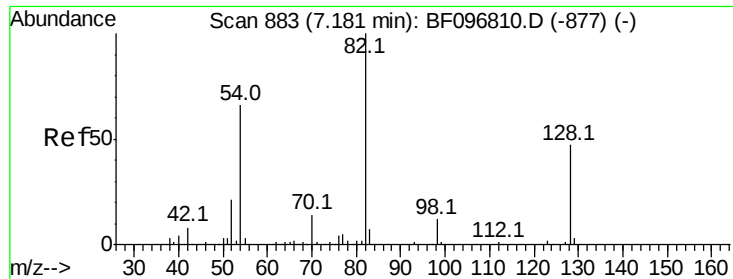
Abundance Ion 105.00 (104.70 to 105.70): E

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

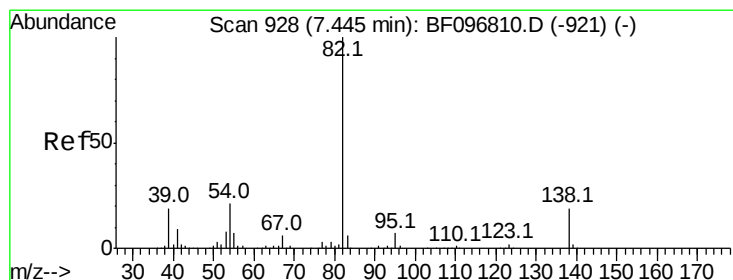
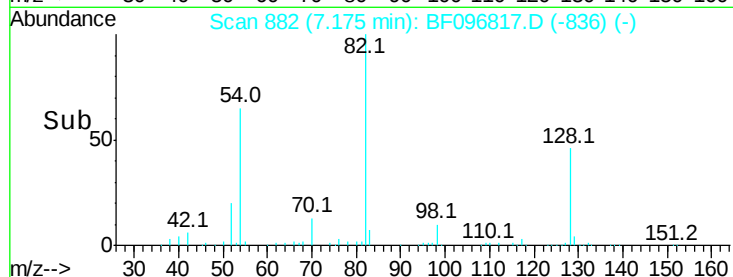
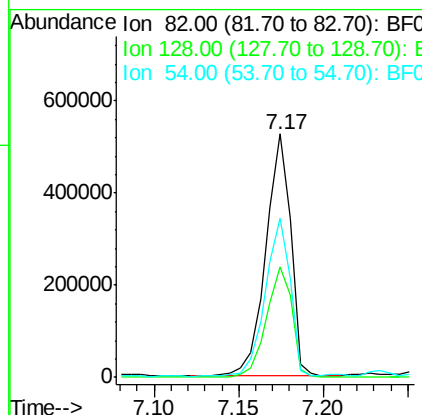
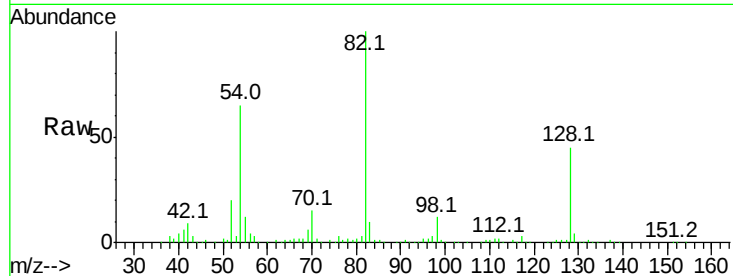




#23
 Nitrobenzene-d5
 Concen: 94.091 ng
 RT: 7.17 min Scan# 882
 Delta R.T. -0.03 min
 Lab File: BF096817.D
 Acq: 17 Jul 2017 14:14

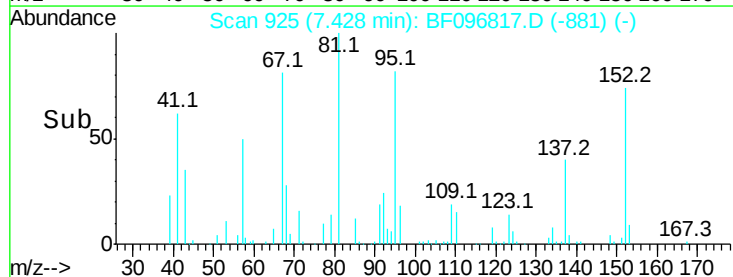
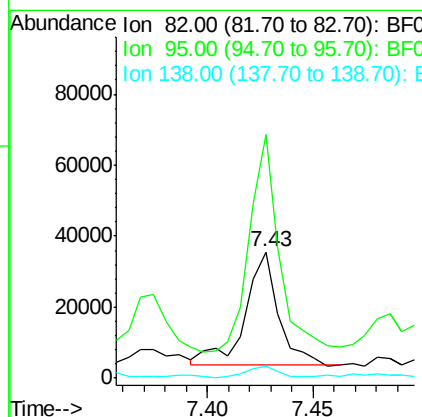
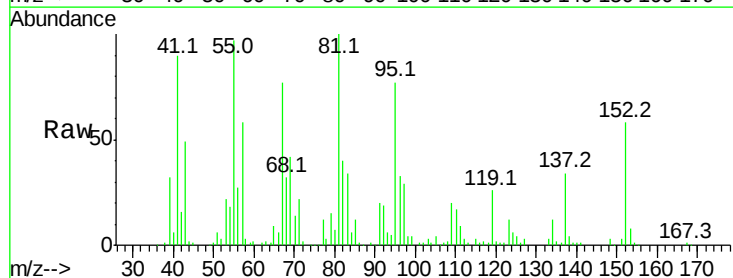
Instrument :
 BNA_F
 ClientSampleId :
 D1

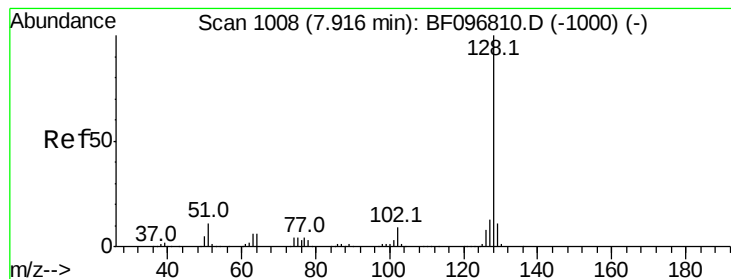
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.0	51.0
54	65.3	42.2	63.2#



#25
 Isophorone
 Concen: 3.366 ng
 RT: 7.43 min Scan# 925
 Delta R.T. -0.04 min
 Lab File: BF096817.D
 Acq: 17 Jul 2017 14:14

Tgt Ion	Ratio	Lower	Upper
82	100		
95	192.8	5.3	7.9#
138	9.4	13.1	19.7#





#31

Naphthalene

Concen: 6.170 ng

RT: 7.92 min Scan# 1008

Delta R.T. -0.03 min

Lab File: BF096817.D

Acq: 17 Jul 2017 14:14

Instrument :

BNA_F

ClientSampleId :

D1

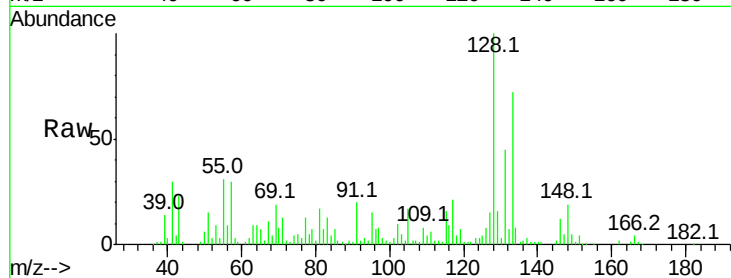
Tot Ion:128 Resp: 103273

Ion Ratio Lower Upper

128 100

129 15.8 9.0 13.6#

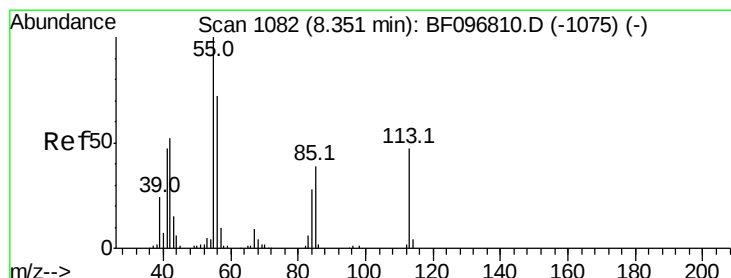
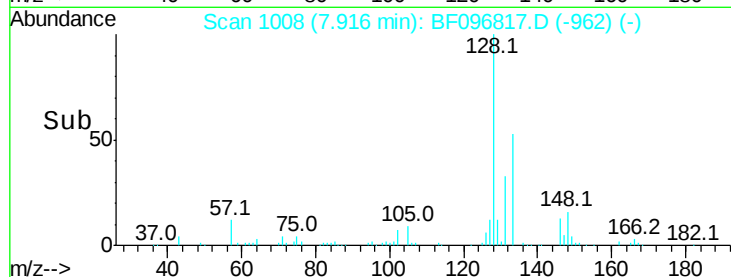
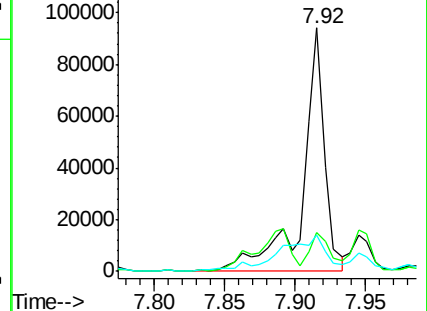
127 14.8 10.8 16.2



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



#35

Caprolactam

Concen: 17.357 ng

RT: 8.34 min Scan# 1080

Delta R.T. -0.03 min

Lab File: BF096817.D

Acq: 17 Jul 2017 14:14

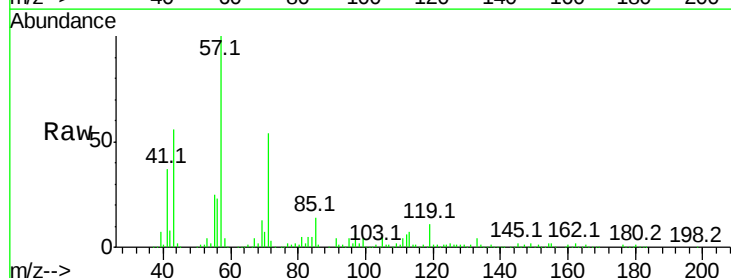
Tgt Ion:113 Resp: 27167

Ion Ratio Lower Upper

113 100

55 343.7 150.2 190.2#

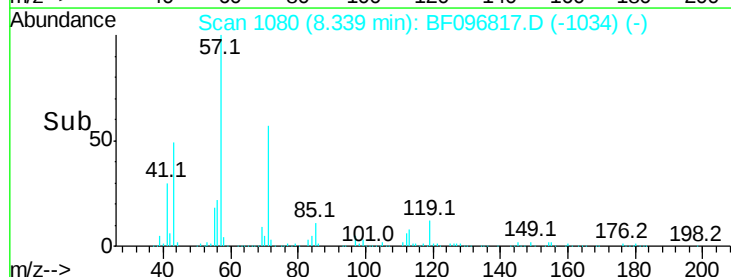
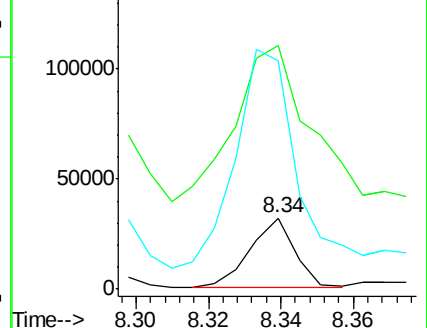
56 321.8 107.8 147.8#

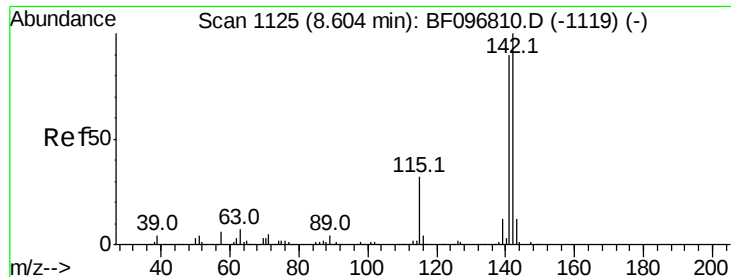


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

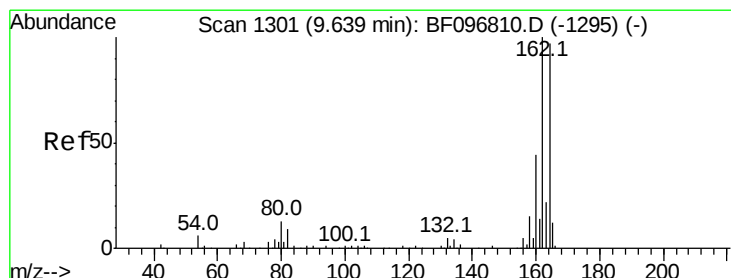
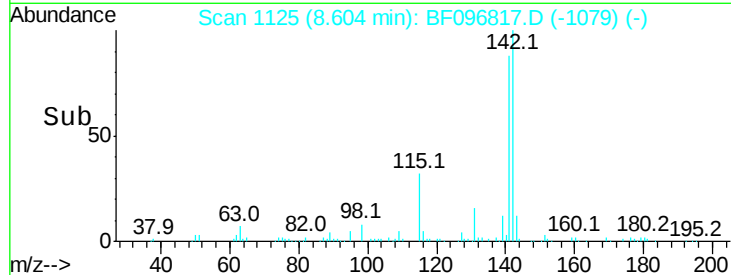
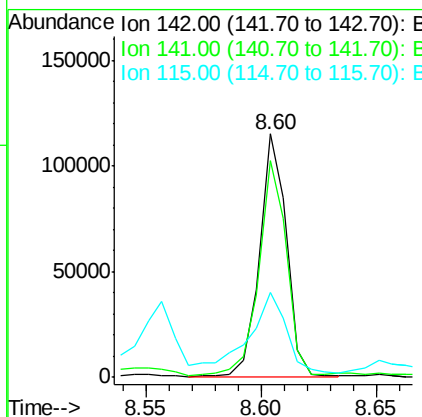
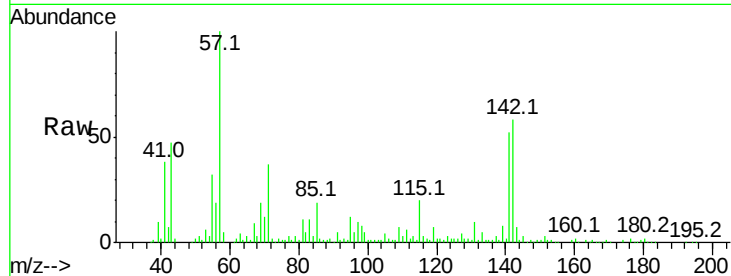




#37
 2-Methylnaphthalene
 Concen: 8.714 ng
 RT: 8.60 min Scan# 1125
 Delta R.T. -0.03 min
 Lab File: BF096817.D
 Acq: 17 Jul 2017 14:14

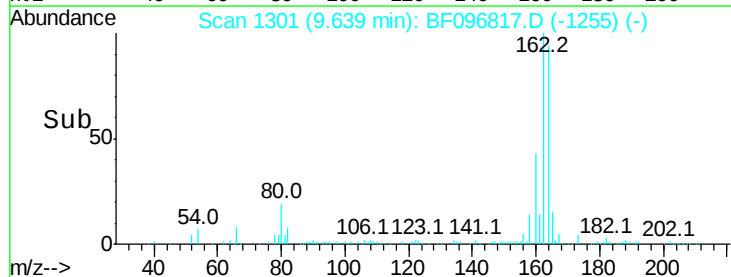
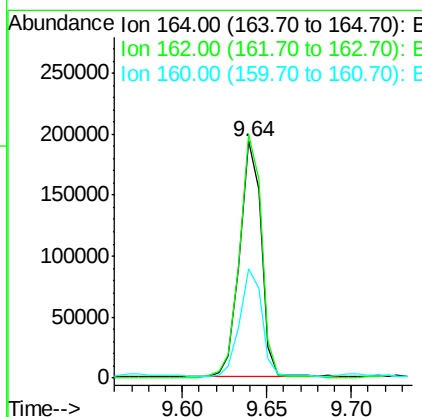
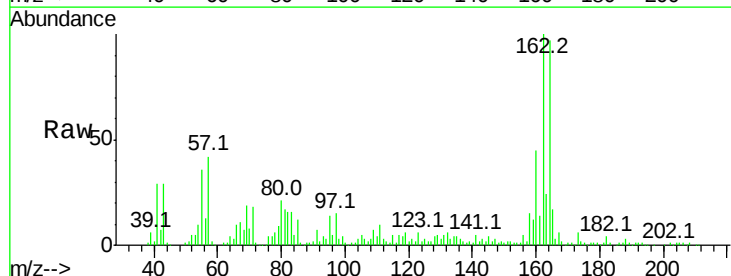
Instrument :
 BNA_F
 ClientSampleId :
 D1

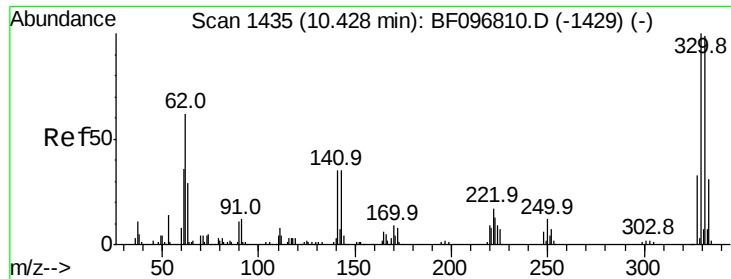
Tot Ion:142 Resp: 92987
 Ion Ratio Lower Upper
 142 100
 141 89.3 71.3 106.9
 115 35.0 27.1 40.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.64 min Scan# 1301
 Delta R.T. -0.03 min
 Lab File: BF096817.D
 Acq: 17 Jul 2017 14:14

Tgt Ion:164 Resp: 171498
 Ion Ratio Lower Upper
 164 100
 162 102.8 82.6 123.8
 160 46.1 36.2 54.2

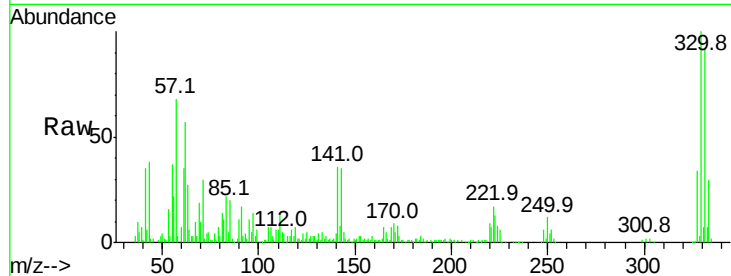




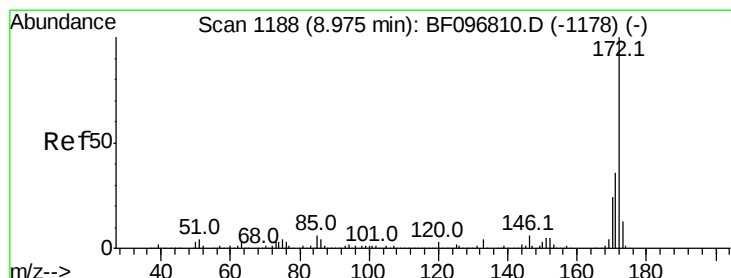
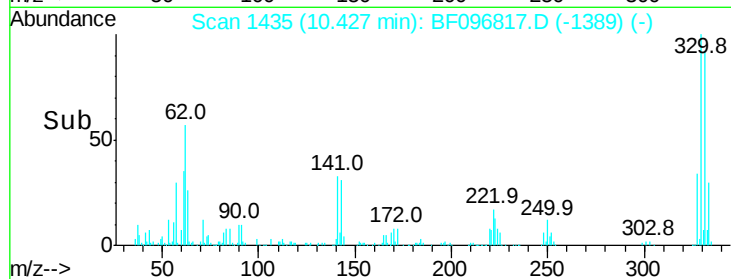
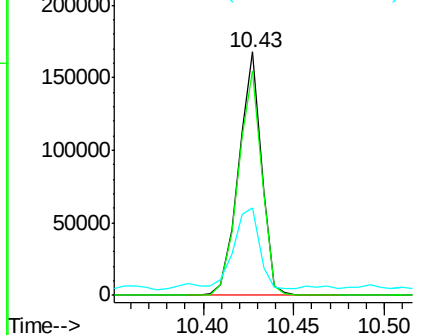
#41
 2,4,6-Tribromophenol
 Concen: 100.044 ng
 RT: 10.43 min Scan# 1435
 Delta R.T. -0.03 min
 Lab File: BF096817.D
 Acq: 17 Jul 2017 14:14

Instrument :
 BNA_F
 ClientSampled :
 D1

Tot Ion:330 Resp: 146452
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.6 115.0
 141 36.8 31.4 47.2

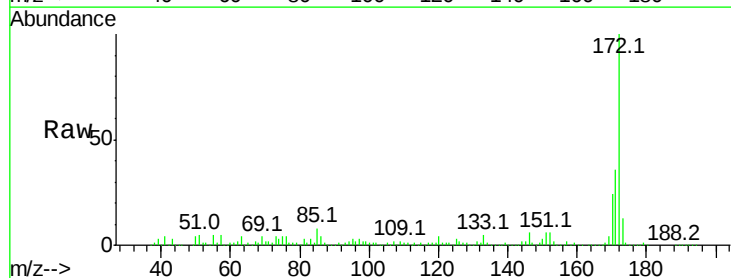


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

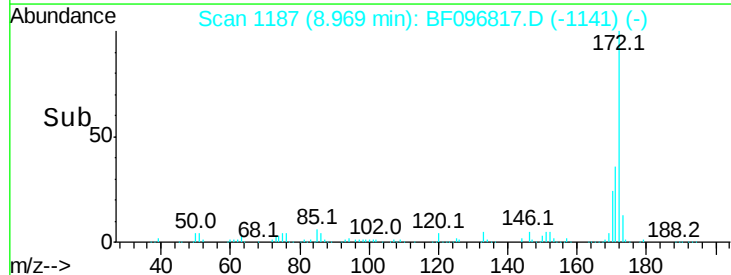
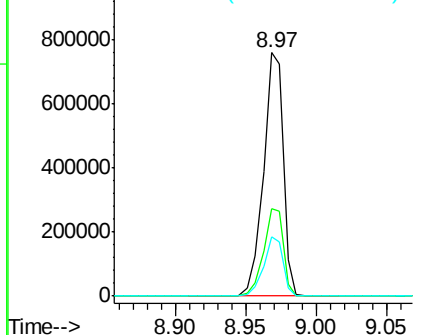


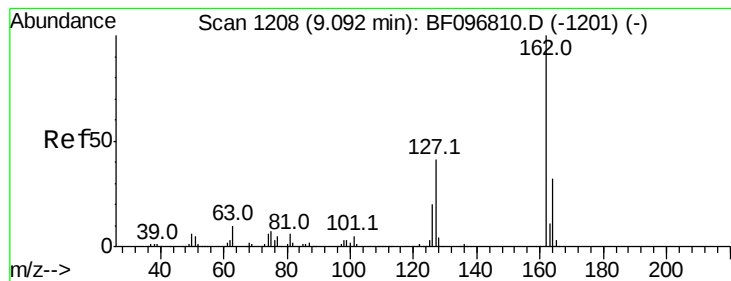
#44
 2-Fluorobiphenyl
 Concen: 69.908 ng
 RT: 8.97 min Scan# 1187
 Delta R.T. -0.03 min
 Lab File: BF096817.D
 Acq: 17 Jul 2017 14:14

Tgt Ion:172 Resp: 758845
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 24.4 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





#46

2-Chloronaphthalene

Concen: 2.092 ng

RT: 9.11 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF096817.D

Acq: 17 Jul 2017 14:14

Instrument :

BNA_F

ClientSampled :

D1

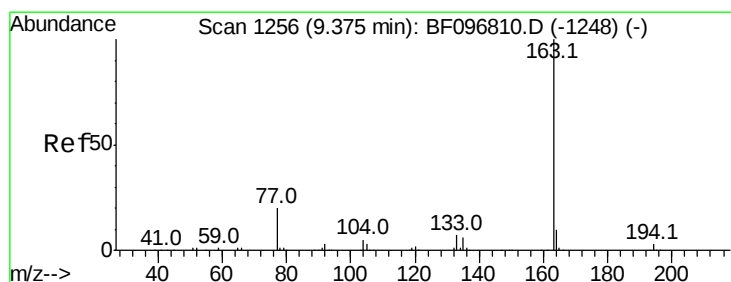
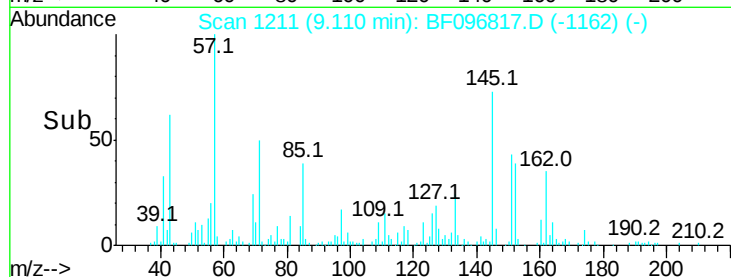
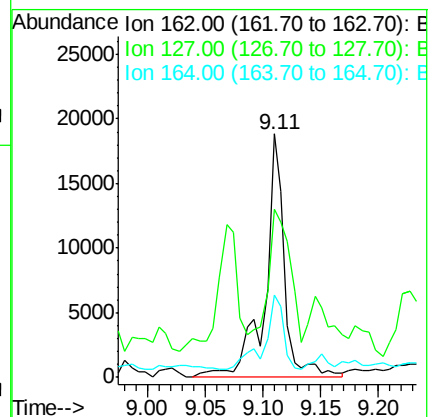
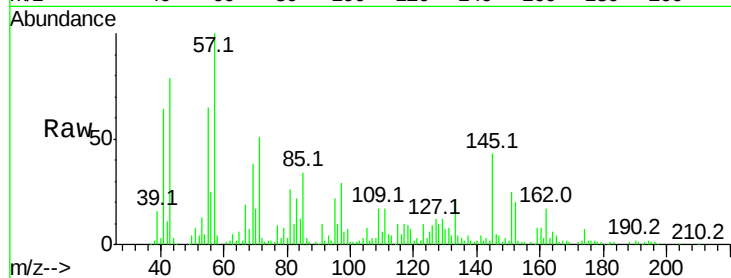
Tot Ion:162 Resp: 22657

Ion Ratio Lower Upper

162 100

127 69.2 28.3 42.5#

164 33.6 27.0 40.4



#49

Dimethylphthalate

Concen: 9.598 ng

RT: 9.36 min Scan# 1254

Delta R.T. -0.04 min

Lab File: BF096817.D

Acq: 17 Jul 2017 14:14

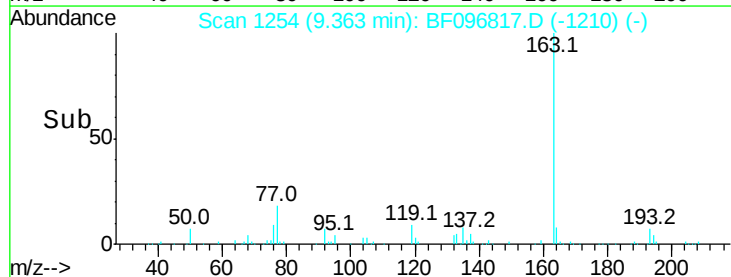
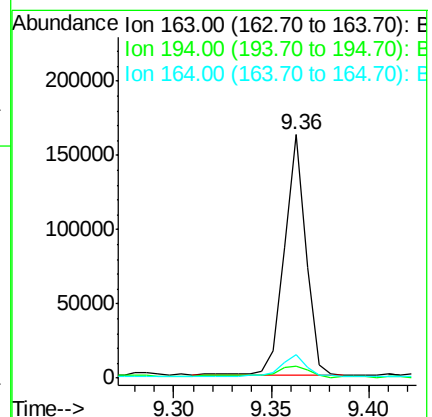
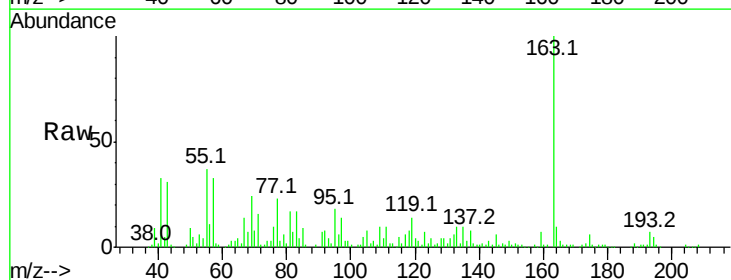
Tgt Ion:163 Resp: 123943

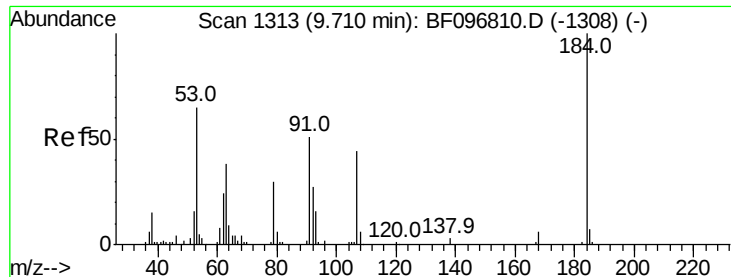
Ion Ratio Lower Upper

163 100

194 5.1 2.6 4.0#

164 9.8 8.4 12.6

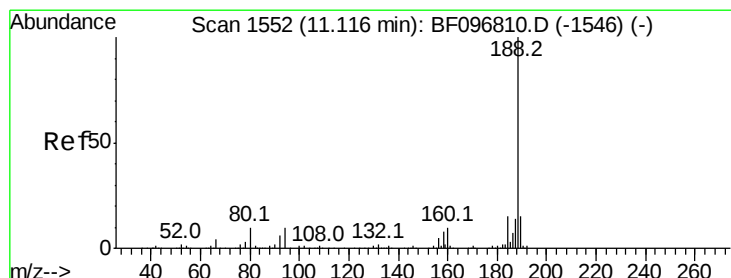
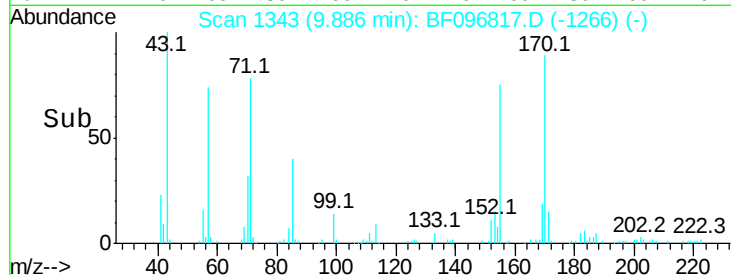
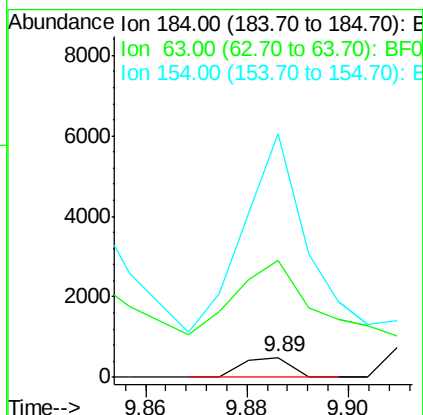
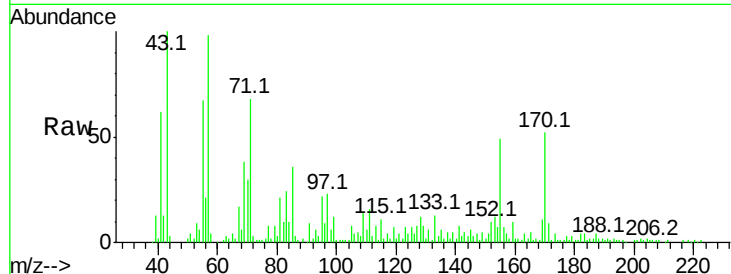




#53
2,4-Dinitrophenol
Concen: 6.958 ng
RT: 9.89 min Scan# 1343
Delta R.T. 0.15 min
Lab File: BF096817.D
Acq: 17 Jul 2017 14:14

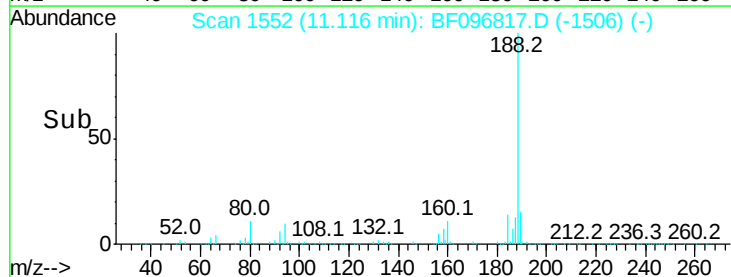
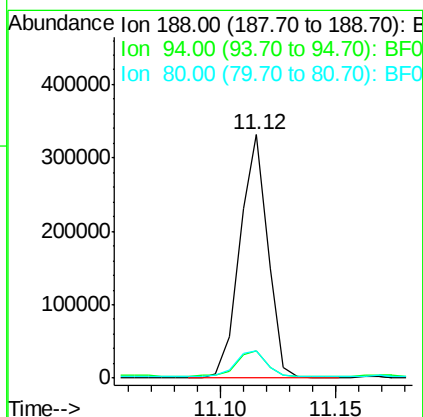
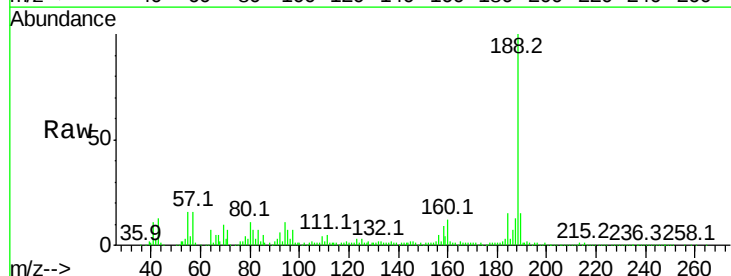
Instrument :
BNA_F
ClientSampleId :
D1

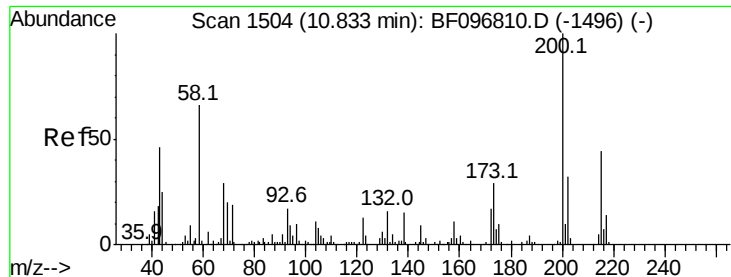
Tot Ion:184 Resp: 329
Ion Ratio Lower Upper
184 100
63 581.0 62.7 94.1#
154 1208.0 81.1 121.7#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.12 min Scan# 1552
Delta R.T. -0.03 min
Lab File: BF096817.D
Acq: 17 Jul 2017 14:14

Tgt Ion:188 Resp: 277847
Ion Ratio Lower Upper
188 100
94 11.2 9.4 14.2
80 11.4 10.2 15.2

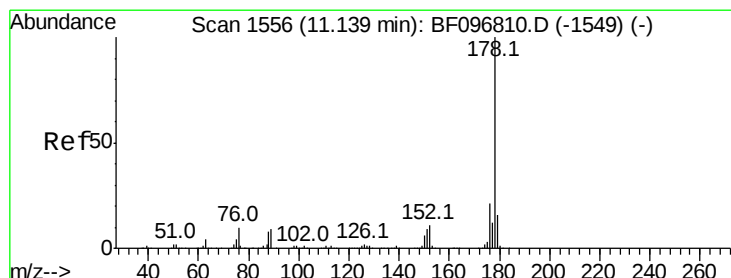
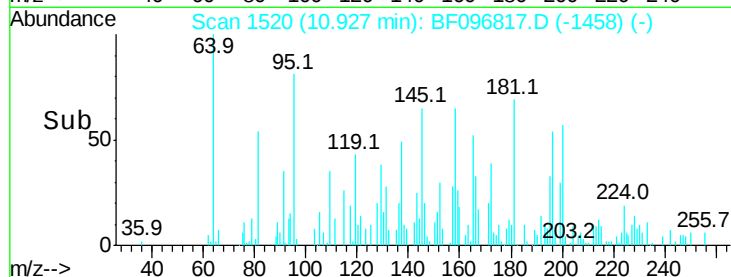
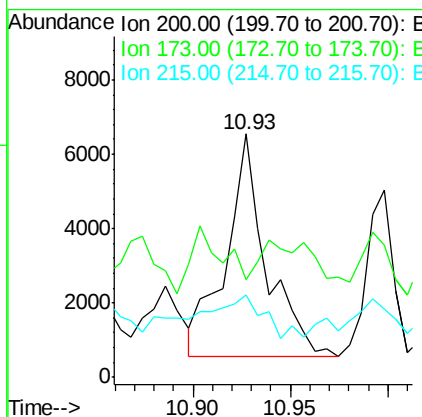
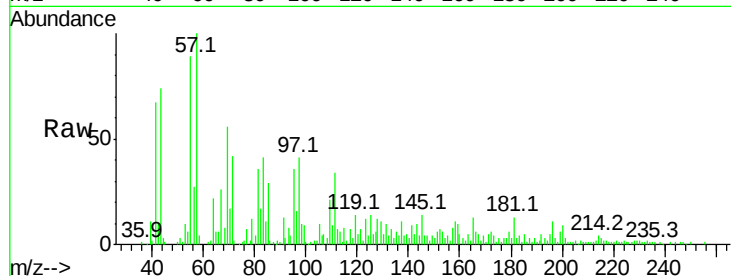




#68
Atrazine
Concen: 3.008 ng
RT: 10.93 min Scan# 1520
Delta R.T. 0.06 min
Lab File: BF096817.D
Acq: 17 Jul 2017 14:14

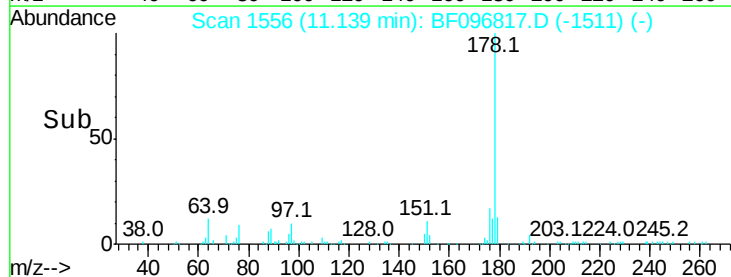
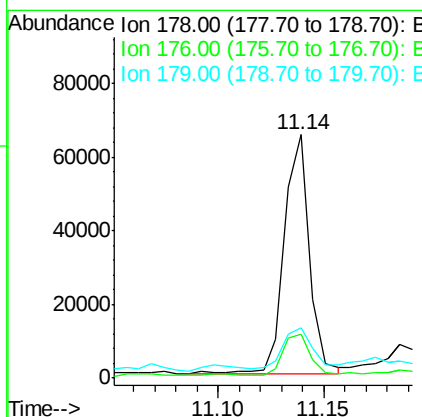
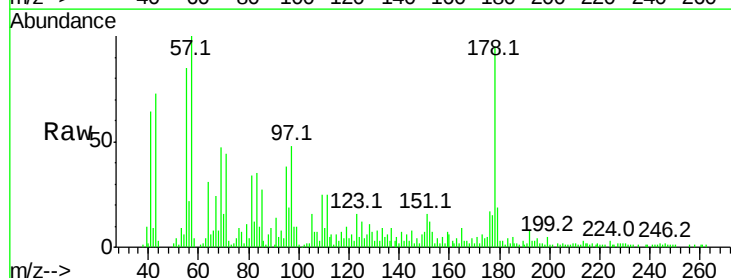
Instrument :
BNA_F
ClientSampled :
D1

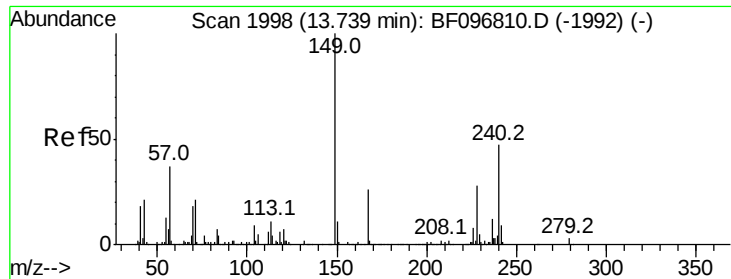
Tot Ion:200 Resp: 8511
Ion Ratio Lower Upper
200 100
173 40.1 6.3 46.3
215 33.8 27.2 67.2



#70
Phenanthrene
Concen: 3.610 ng
RT: 11.14 min Scan# 1556
Delta R.T. -0.04 min
Lab File: BF096817.D
Acq: 17 Jul 2017 14:14

Tgt Ion:178 Resp: 54543
Ion Ratio Lower Upper
178 100
176 17.9 16.2 24.4
179 20.4 12.6 19.0#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.74 min Scan# 1998

Delta R.T. -0.04 min

Lab File: BF096817.D

Acq: 17 Jul 2017 14:14

Instrument :

BNA_F

ClientSampleId :

D1

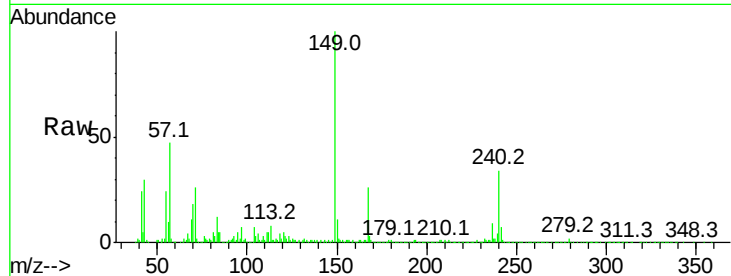
Tot Ion:240 Resp: 140123

Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

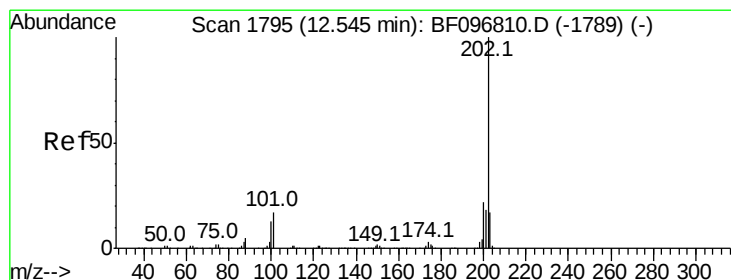
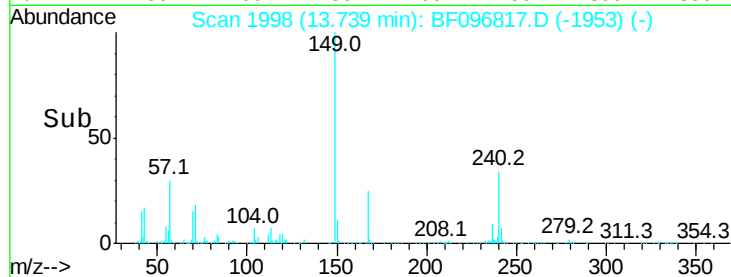
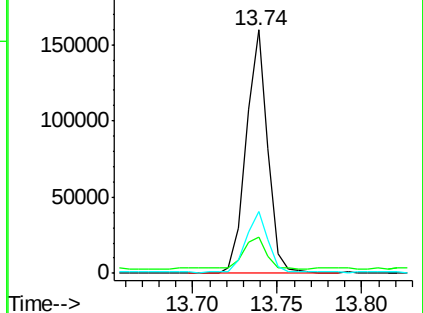
236 25.5 20.5 30.7



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



#77

Pyrene

Concen: 2.041 ng

RT: 12.54 min Scan# 1795

Delta R.T. -0.04 min

Lab File: BF096817.D

Acq: 17 Jul 2017 14:14

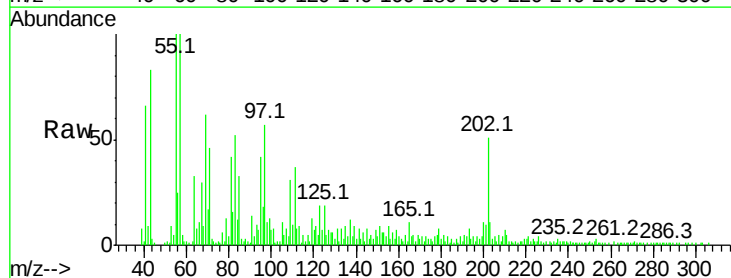
Tgt Ion:202 Resp: 25957

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

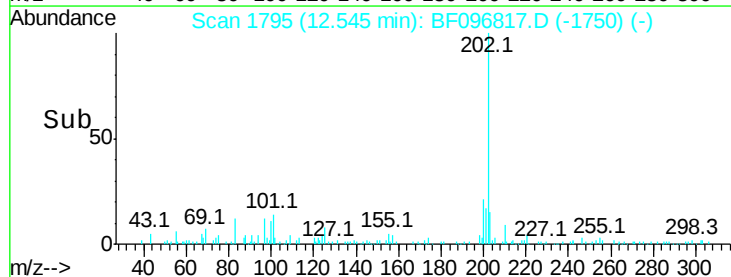
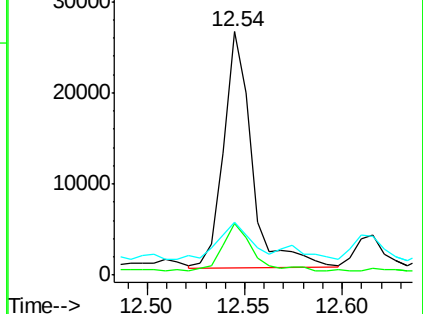
203 21.5 14.4 21.6

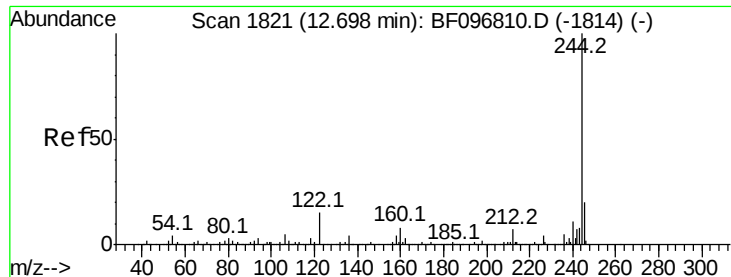


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 50.251 ng

RT: 12.70 min Scan# 1821

Delta R.T. -0.04 min

Lab File: BF096817.D

Acq: 17 Jul 2017 14:14

Instrument :

BNA_F

ClientSampleId :

D1

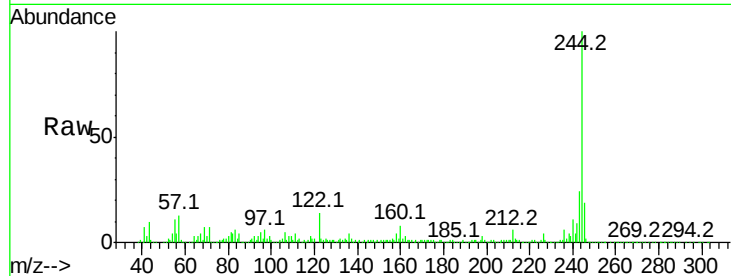
Tot Ion:244 Resp: 406014

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

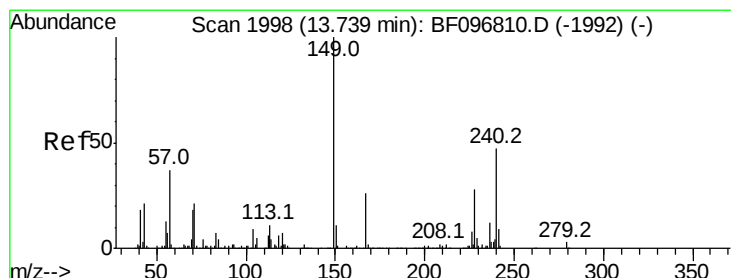
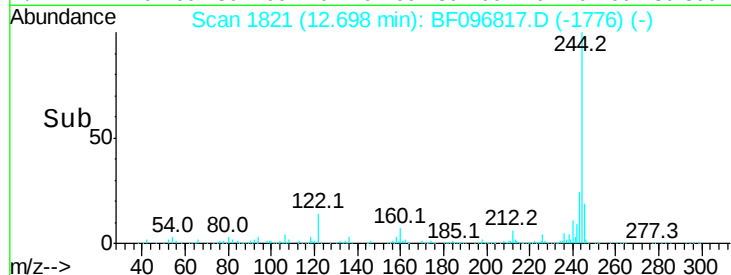
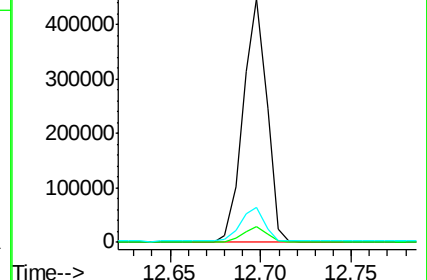
122 14.3 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 96.136 ng

RT: 13.74 min Scan# 1999

Delta R.T. -0.03 min

Lab File: BF096817.D

Acq: 17 Jul 2017 14:14

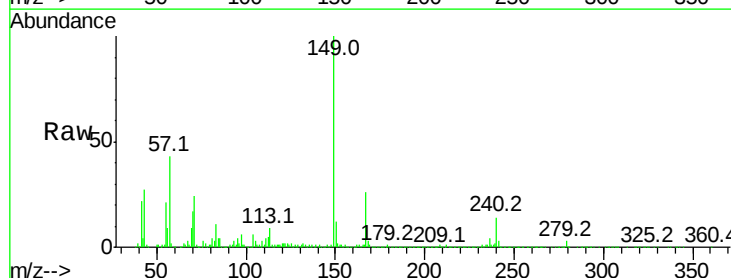
Tgt Ion:149 Resp: 707400

Ion Ratio Lower Upper

149 100

167 26.5 21.0 31.4

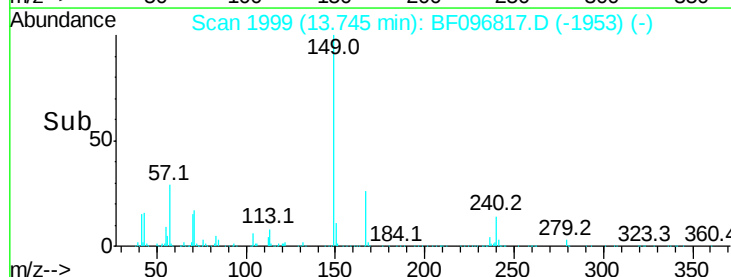
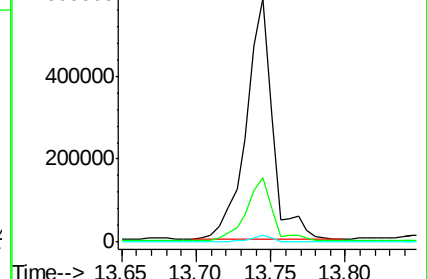
279 2.8 1.9 2.9

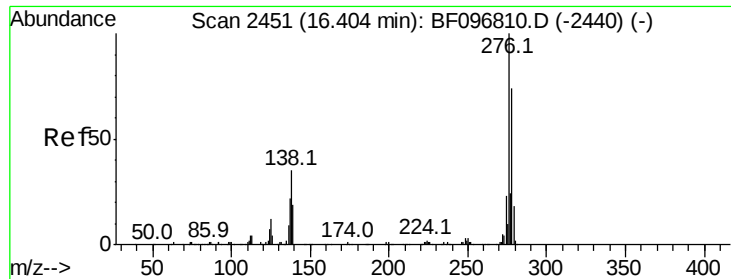


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

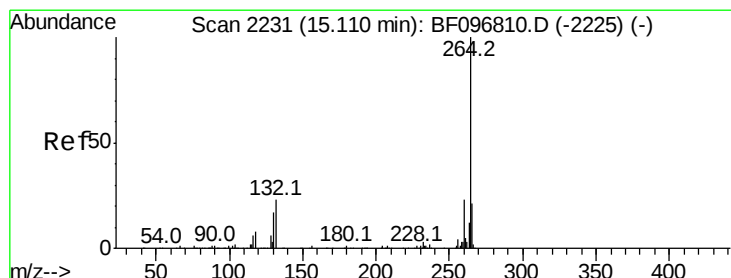
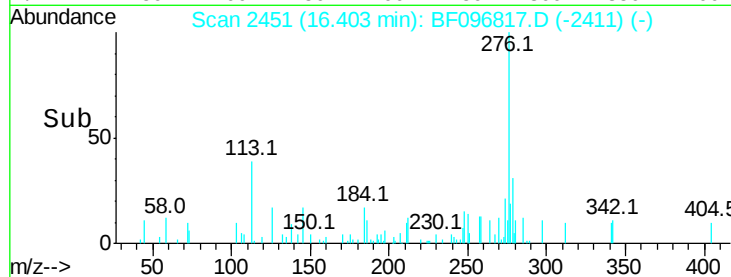
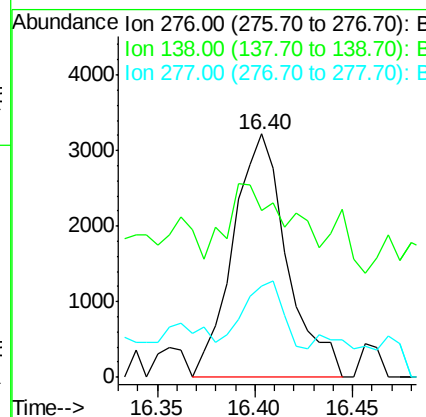
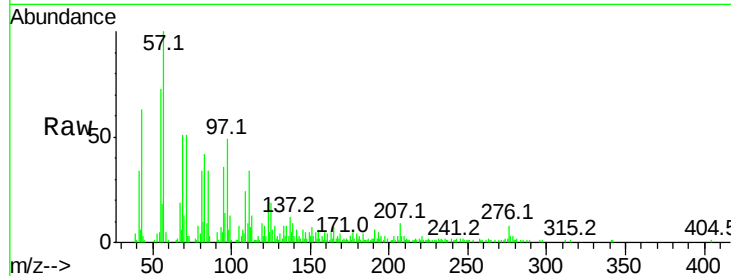




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.078 ng
 RT: 16.40 min Scan# 2451
 Delta R.T. -0.06 min
 Lab File: BF096817.D
 Acq: 17 Jul 2017 14:14

Instrument :
 BNA_F
 ClientSampleId :
 D1

Tot Ion:276 Resp: 6195
 Ion Ratio Lower Upper
 276 100
 138 39.7 27.8 41.6
 277 29.9 20.2 30.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.12 min Scan# 2232
 Delta R.T. -0.04 min
 Lab File: BF096817.D
 Acq: 17 Jul 2017 14:14

Tgt Ion:264 Resp: 172790
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 21.3 17.2 25.8

