

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
 Data File : BF096977.D
 Acq On : 22 Jul 2017 8:19
 Operator : SJ/JU
 Sample : I4363-02
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-COMB-4

Quant Time: Jul 24 04:14:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

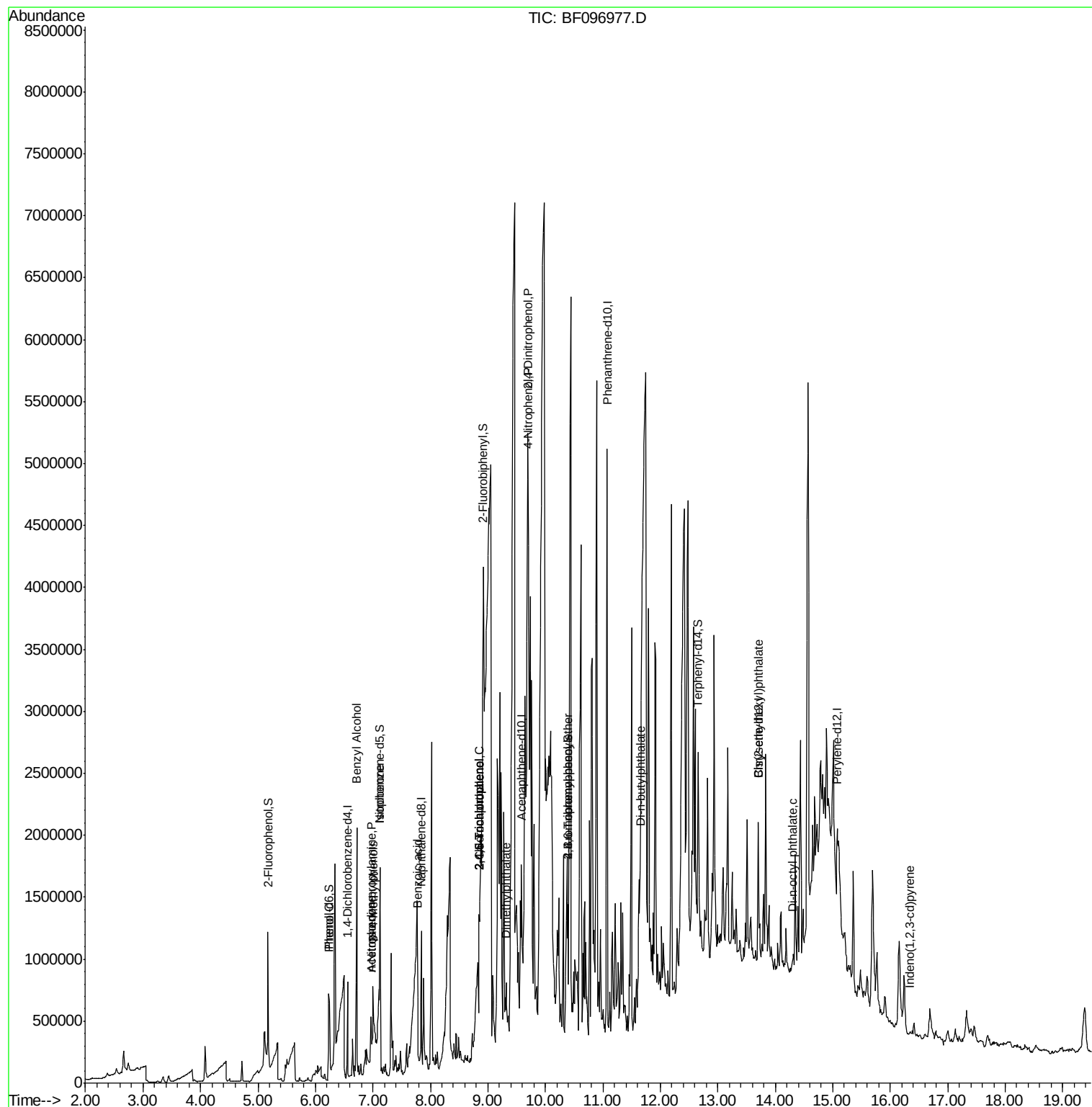
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	107627	20.00	ng	-0.04
21) Naphthalene-d8	7.84	136	372153	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	153199	20.00	ng	-0.04
63) Phenanthrene-d10	11.07	188	143449	20.00	ng	-0.04
75) Chrysene-d12	13.70	240	193663	20.00	ng	-0.04
86) Perylene-d12	15.07	264	140089	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	270566	37.80	ng	-0.02
7) Phenol-d6	6.23	99	211791	24.66	ng	-0.02
23) Nitrobenzene-d5	7.12	82	473613	78.83	ng	-0.05
41) 2,4,6-Tribromophenol	10.39	330	89912	68.76	ng	-0.03
44) 2-Fluorobiphenyl	8.92	172	765283	78.92	ng	-0.04
78) Terphenyl-d14	12.66	244	495920	44.41	ng	-0.04
Target Compounds						Qvalue
10) Phenol	6.25	94	184502	19.00	ng	94
15) Benzyl Alcohol	6.72	79	25878	4.60	ng	# 79
19) n-Nitroso-di-n-propylamine	6.96	70	18147	3.51	ng	# 1
20) 3+4-Methylphenols	7.00	107	53751	7.38	ng	# 60
22) Acetophenone	6.97	105	17460	2.10	ng	# 95
25) Isophorone	7.12	82	460782	41.23	ng	# 68
32) Benzoic acid	7.78	122	56993	15.69	ng	99
42) 2,4,6-Trichlorophenol	8.85	196	8933	2.92	ng	94
43) 2,4,5-Trichlorophenol	8.85	196	8933	2.90	ng	# 52
46) 2-Chloronaphthalene	8.85	162	36353	3.76	ng	# 45
49) Dimethylphthalate	9.32	163	94749	8.21	ng	99
53) 2,4-Dinitrophenol	9.69	184	2766	8.79	ng	95
55) 4-Nitrophenol	9.70	139	29003	13.41	ng	# 72
60) 4-Chlorophenyl-phenylether	10.27	204	357	Below Cal	#	1
66) 4-Bromophenyl-phenylether	10.39	248	6114	4.17	ng	# 1
73) Di-n-butylphthalate	11.65	149	20907	2.20	ng	# 93
83) Bis(2-ethylhexyl)phthalate	13.70	149	196586	19.33	ng	# 100
84) Di-n-octyl phthalate	14.30	149	75102	4.47	ng	# 3
85) Indeno(1,2,3-cd)pyrene	16.33	276	812	3.40	ng	# 67

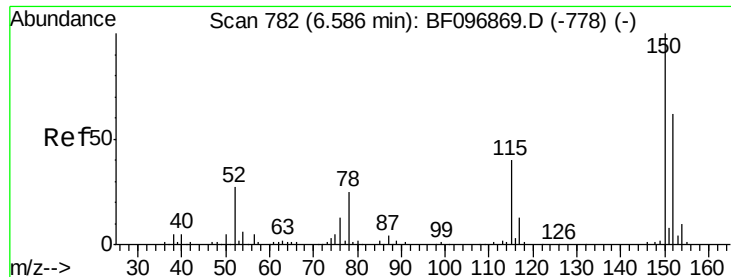
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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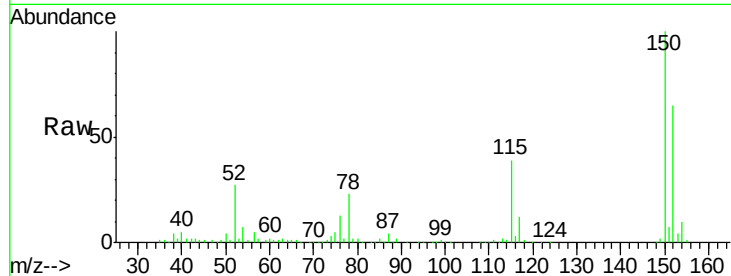


#1

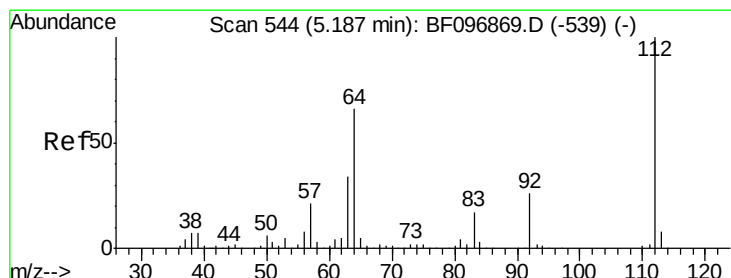
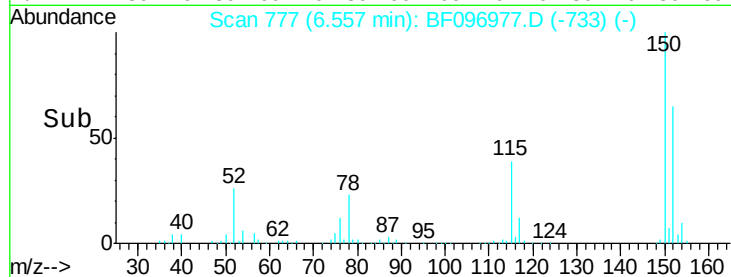
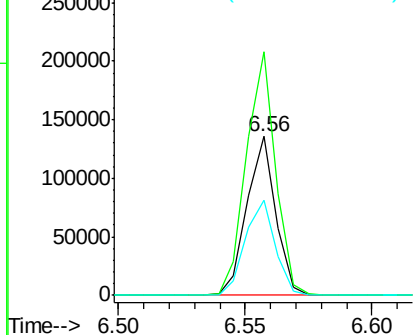
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.56 min Scan# 777
Delta R.T. -0.04 min
Lab File: BF096977.D
Acq: 22 Jul 2017 8:19

Instrument :
BNA_F
ClientSampled :
B-COMB-4

Tot Ion:152 Resp: 107627
Ion Ratio Lower Upper
152 100
150 153.6 126.2 189.2
115 59.8 52.2 78.2



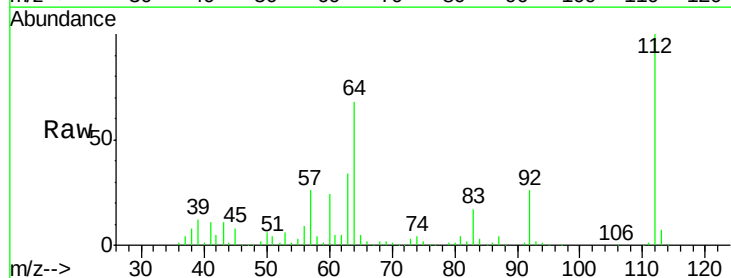
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



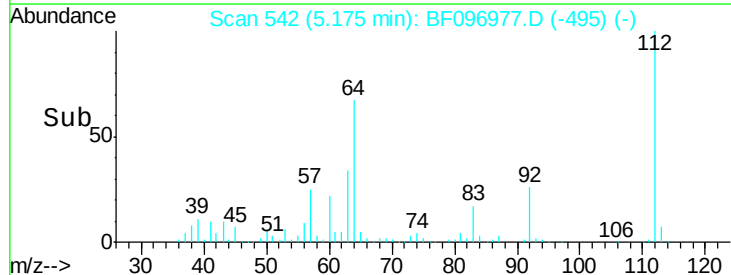
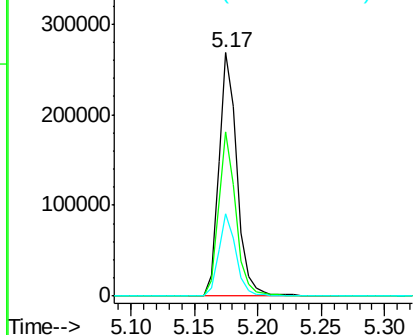
#5

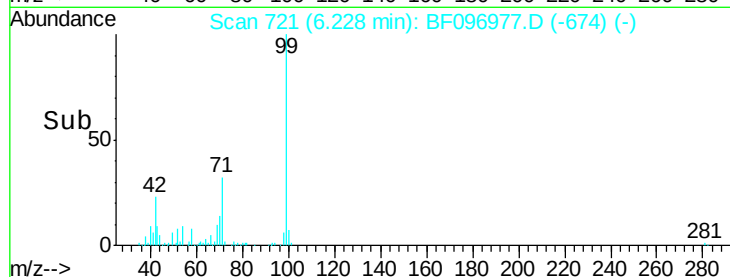
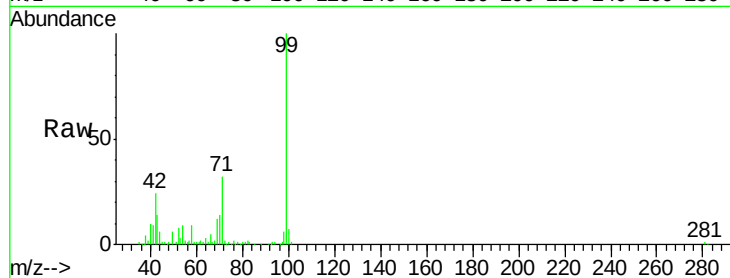
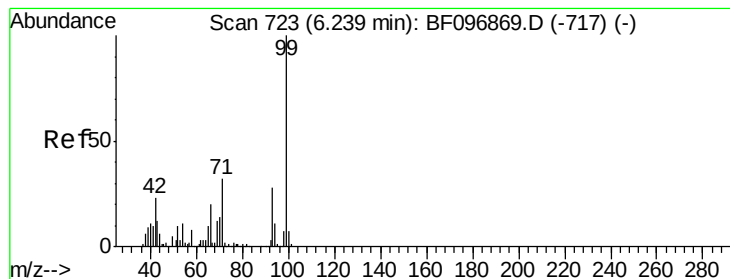
2-Fluorophenol
Concen: 37.80 ng
RT: 5.17 min Scan# 542
Delta R.T. -0.02 min
Lab File: BF096977.D
Acq: 22 Jul 2017 8:19

Tgt Ion:112 Resp: 270566
Ion Ratio Lower Upper
112 100
64 67.6 46.0 69.0
63 33.9 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: 24.66 ng

RT: 6.23 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096977.D

Acq: 22 Jul 2017 8:19

Instrument :

BNA_F

ClientSampleId :

B-COMB-4

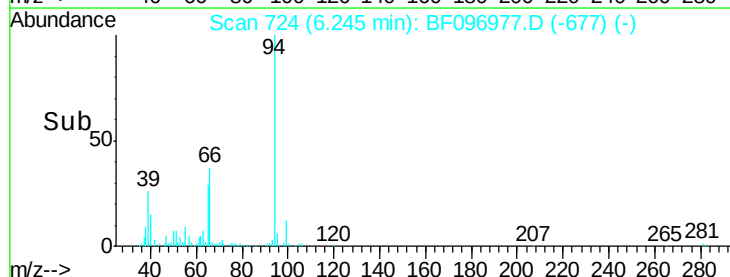
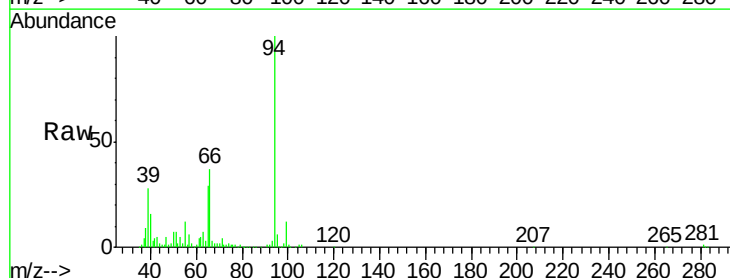
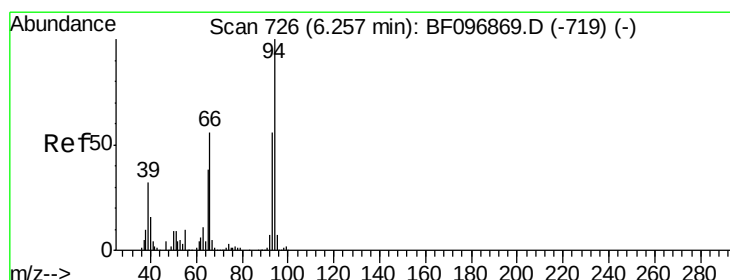
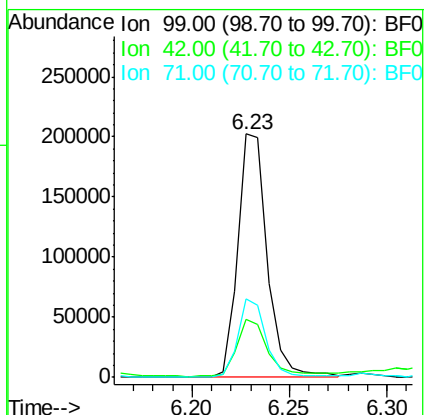
Tot Ion: 99 Resp: 211791

Ion Ratio Lower Upper

99 100

42 24.0 13.5 20.3#

71 32.0 24.5 36.7



#10

Phenol

Concen: 19.00 ng

RT: 6.25 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF096977.D

Acq: 22 Jul 2017 8:19

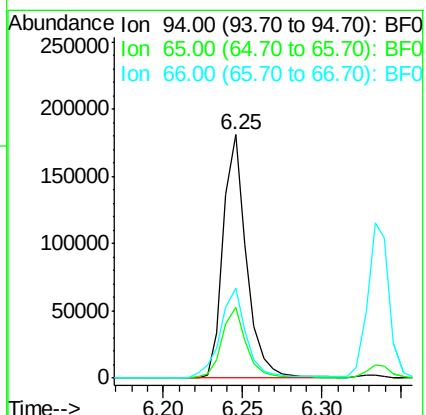
Tgt Ion: 94 Resp: 184502

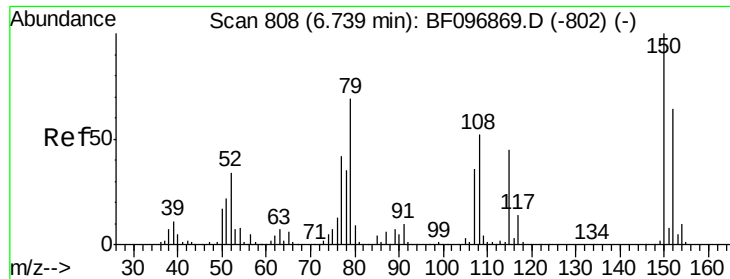
Ion Ratio Lower Upper

94 100

65 28.9 9.9 49.9

66 36.9 23.1 63.1





#15

Benzyl Alcohol

Concen: 4.60 ng

RT: 6.72 min Scan# 804

Delta R.T. -0.04 min

Lab File: BF096977.D

Acq: 22 Jul 2017 8:19

Instrument :

BNA_F

ClientSampled :

B-COMB-4

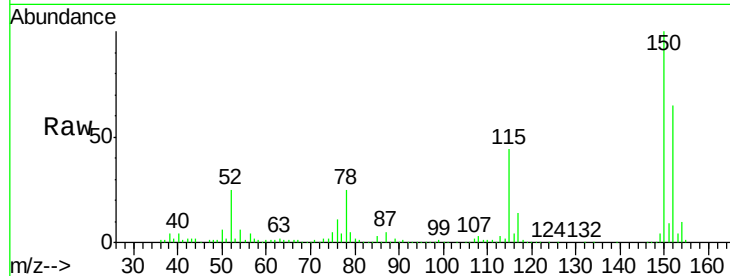
Tot Ion: 79 Resp: 25878

Ion Ratio Lower Upper

79 100

108 57.5 63.4 95.0#

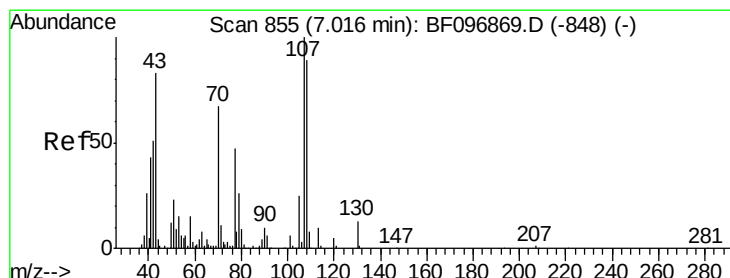
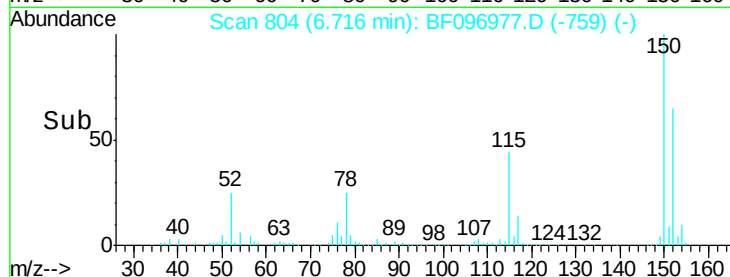
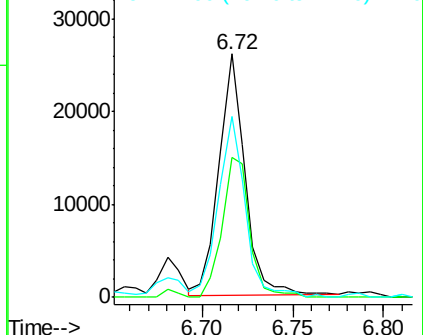
77 74.2 49.2 73.8#



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: 3.51 ng

RT: 6.96 min Scan# 846

Delta R.T. -0.06 min

Lab File: BF096977.D

Acq: 22 Jul 2017 8:19

Tgt Ion: 70 Resp: 18147

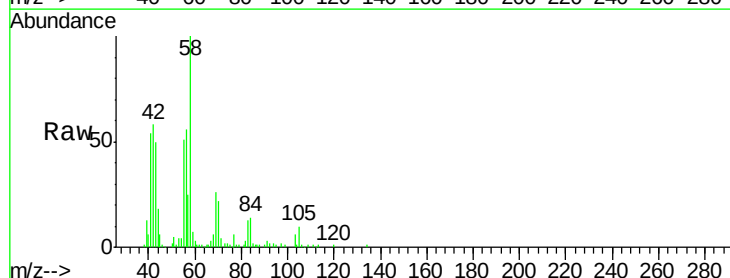
Ion Ratio Lower Upper

70 100

42 266.5 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

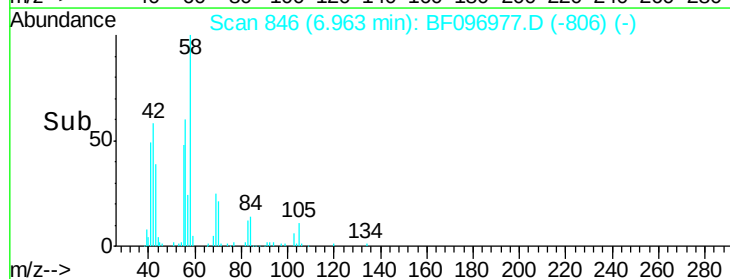
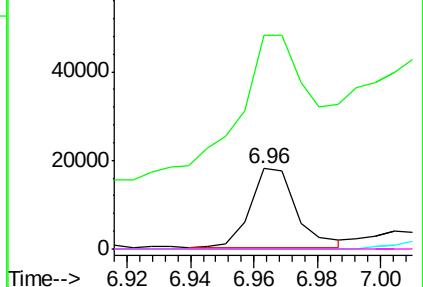


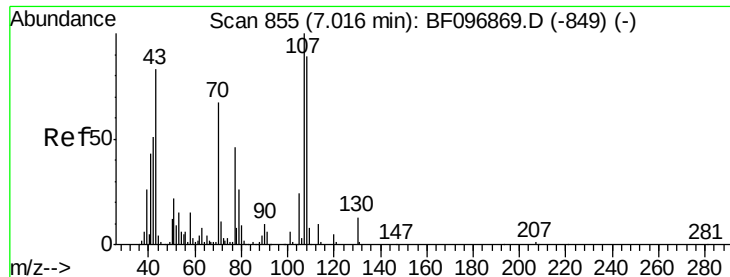
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

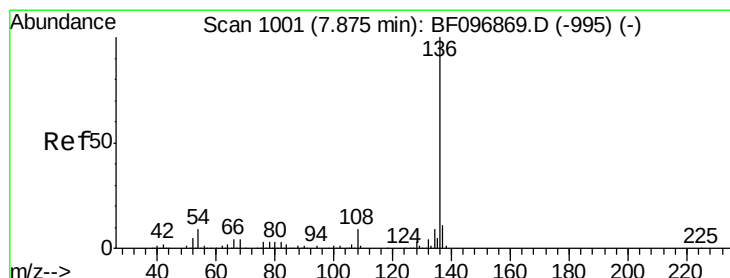
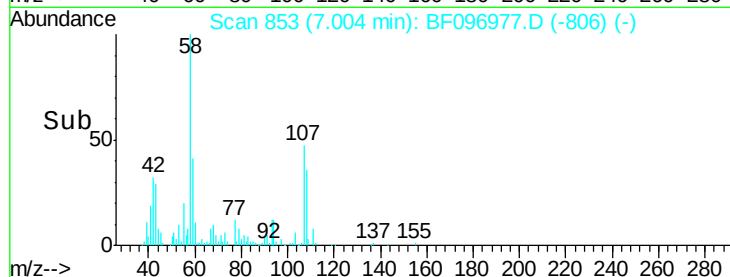
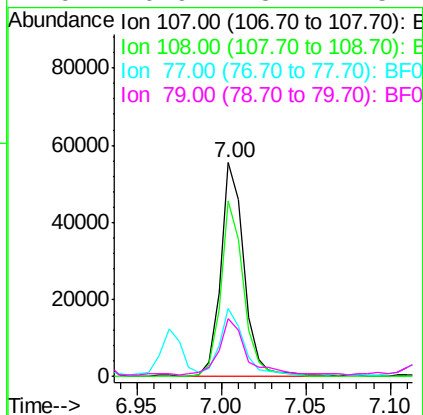
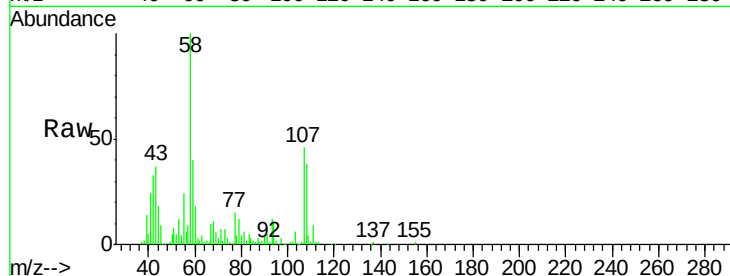




#20
 3+4-Methylphenols
 Concen: 7.38 ng
 RT: 7.00 min Scan# 853
 Delta R.T. -0.02 min
 Lab File: BF096977.D
 Acq: 22 Jul 2017 8:19

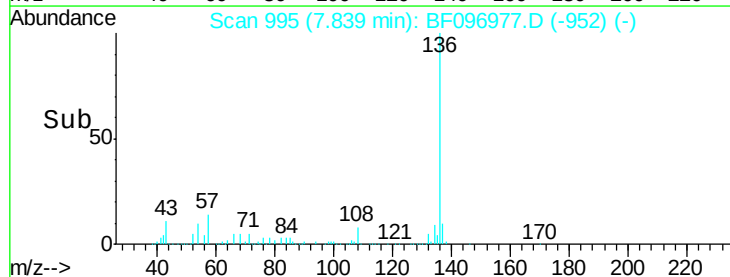
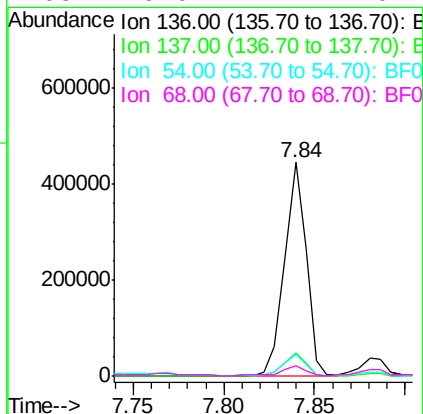
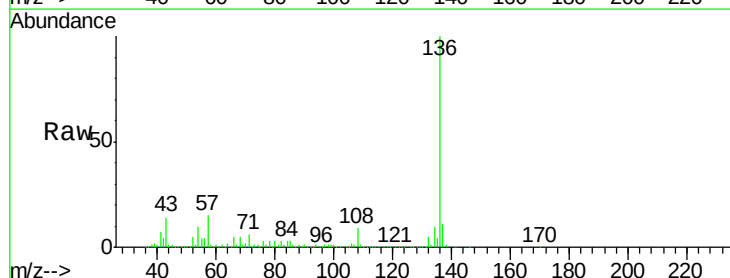
Instrument :
 BNA_F
 ClientSampleId :
 B-COMB-4

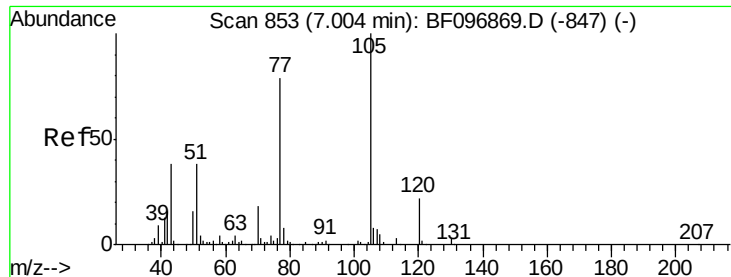
Tot Ion:	107	Resp:	53751
Ion	Ratio	Lower	Upper
107	100		
108	82.4	71.0	111.0
77	31.9	90.5	130.5#
79	26.9	8.4	48.4



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 7.84 min Scan# 995
 Delta R.T. -0.05 min
 Lab File: BF096977.D
 Acq: 22 Jul 2017 8:19

Tgt Ion:	136	Resp:	372153
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	10.3	4.9	7.3#
68	5.0	4.1	6.1





#22

Acetophenone

Concen: 2.10 ng

RT: 6.97 min Scan# 847

Delta R.T. -0.05 min

Lab File: BF096977.D

Acq: 22 Jul 2017 8:19

Instrument :

BNA_F

ClientSampleId :

B-COMB-4

Tot Ion:105 Resp: 17460

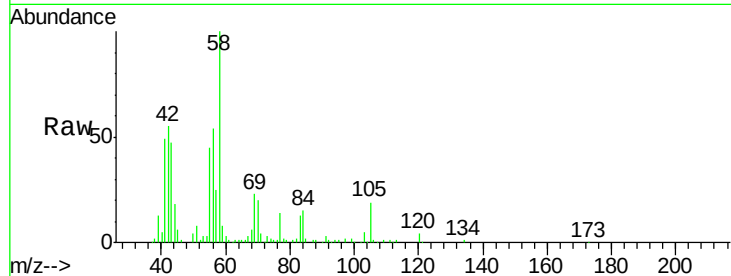
Ion Ratio Lower Upper

105 100

71 20.9 2.8 4.2#

51 39.8 30.7 46.1

120 20.6 17.4 26.0

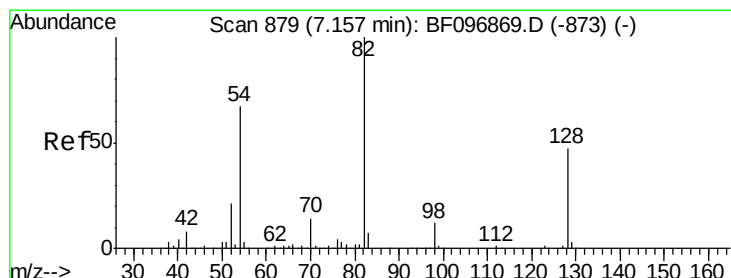
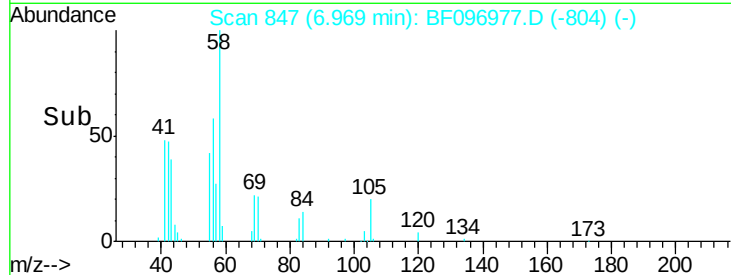
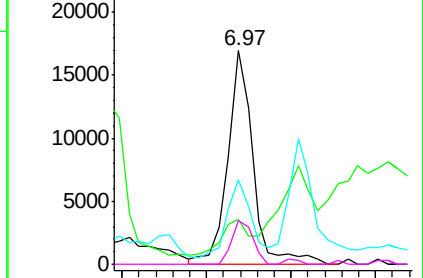


Abundance Ion 105.00 (104.70 to 105.70): E

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: 78.83 ng

RT: 7.12 min Scan# 873

Delta R.T. -0.05 min

Lab File: BF096977.D

Acq: 22 Jul 2017 8:19

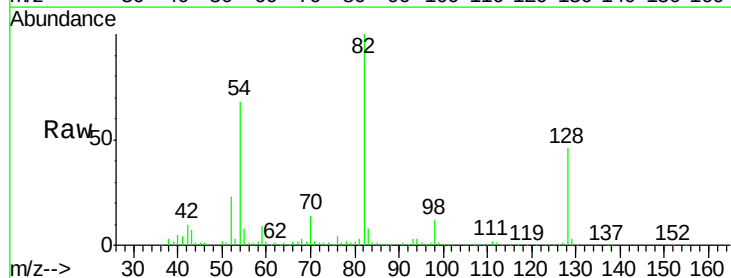
Tgt Ion: 82 Resp: 473613

Ion Ratio Lower Upper

82 100

128 46.1 34.0 51.0

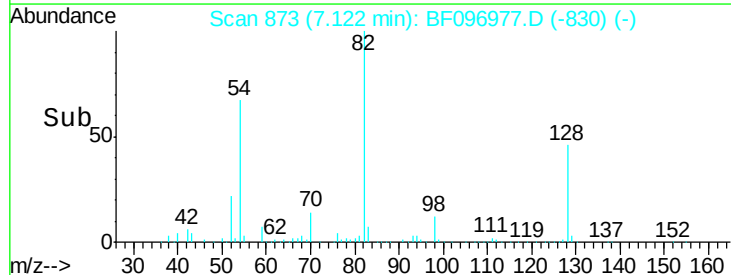
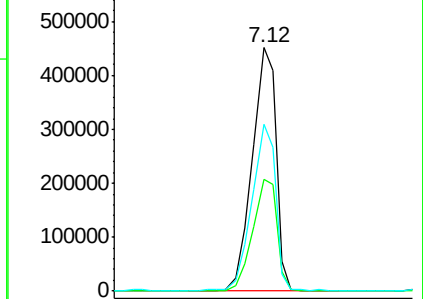
54 68.5 42.2 63.2#

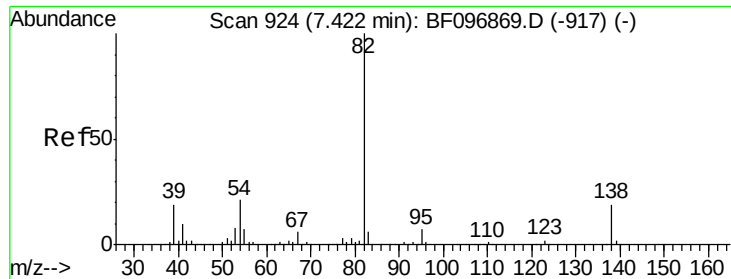


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 41.23 ng

RT: 7.12 min Scan# 873

Delta R.T. -0.31 min

Lab File: BF096977.D

Acq: 22 Jul 2017 8:19

Instrument :

BNA_F

ClientSampleId :

B-COMB-4

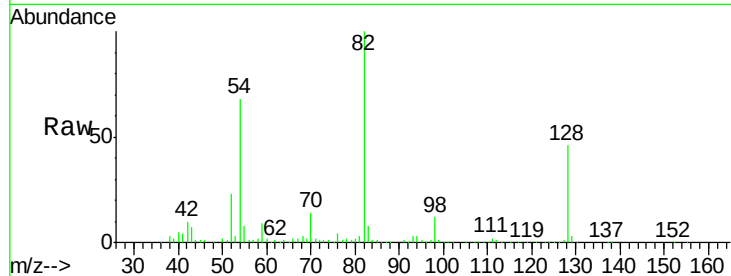
Tot Ion: 82 Resp: 460782

Ion Ratio Lower Upper

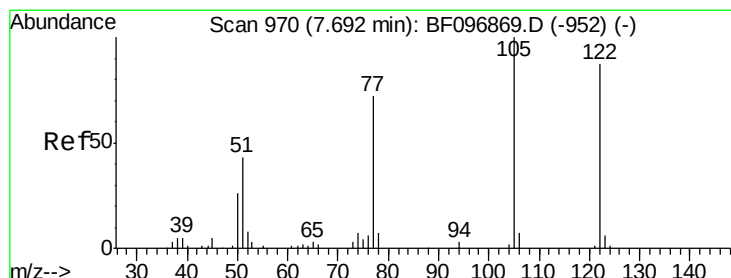
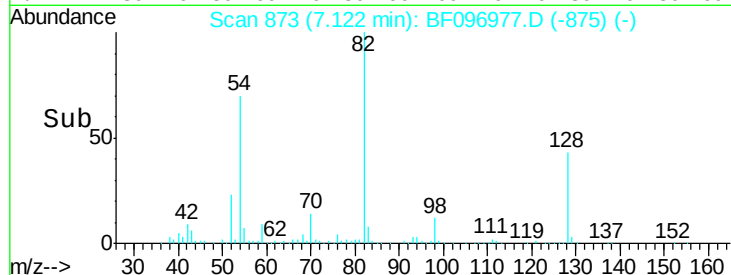
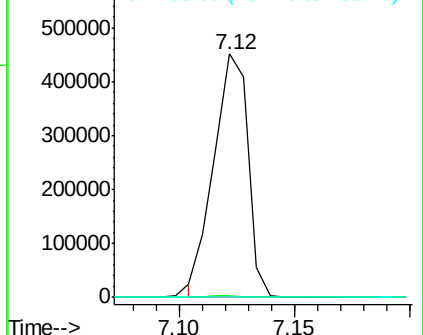
82 100

95 0.7 5.3 7.9#

138 0.1 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#32

Benzoic acid

Concen: 15.69 ng

RT: 7.78 min Scan# 985

Delta R.T. 0.07 min

Lab File: BF096977.D

Acq: 22 Jul 2017 8:19

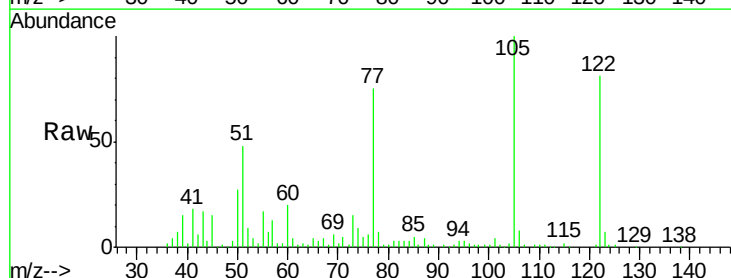
Tgt Ion:122 Resp: 56993

Ion Ratio Lower Upper

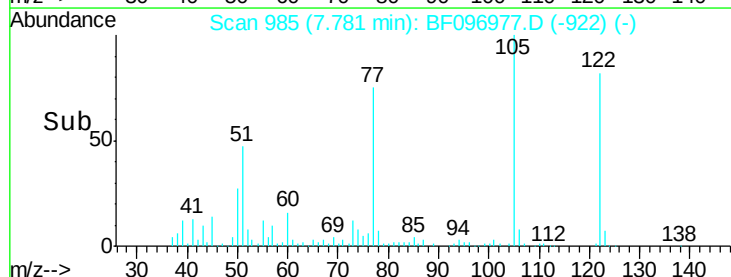
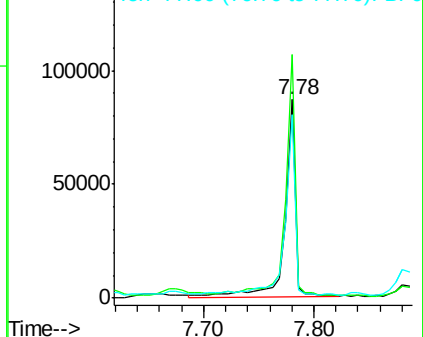
122 100

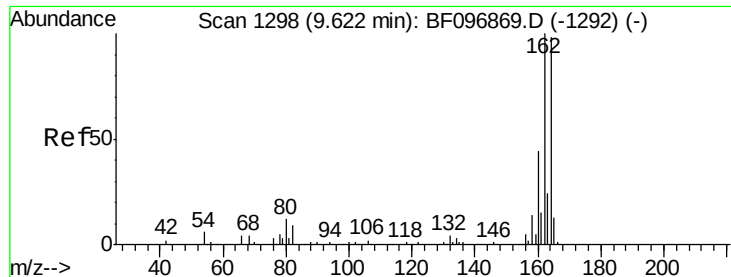
105 122.8 103.3 143.3

77 92.7 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 1293

Delta R.T. -0.04 min

Lab File: BF096977.D

Acq: 22 Jul 2017 8:19

Instrument :

BNA_F

ClientSampleId :

B-COMB-4

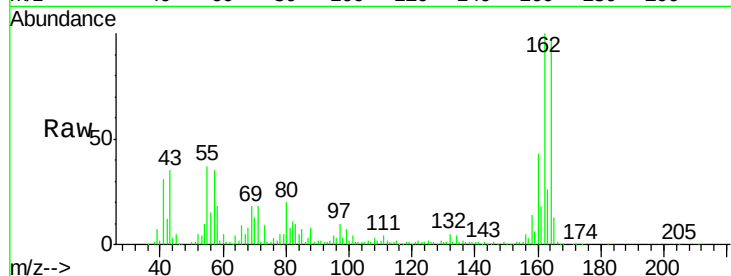
Tot Ion:164 Resp: 153199

Ion Ratio Lower Upper

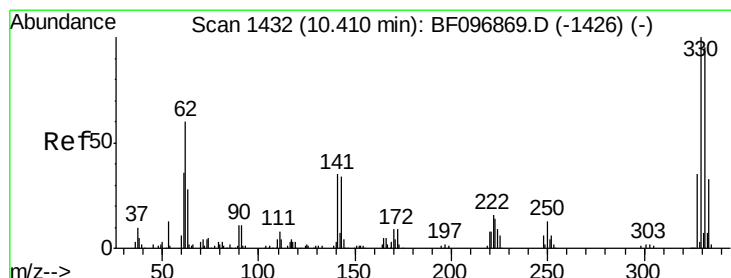
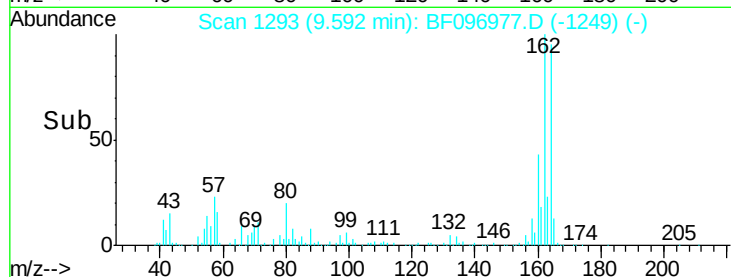
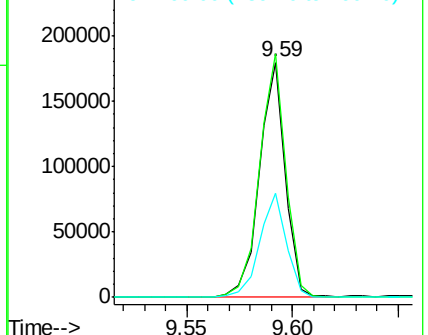
164 100

162 103.6 82.6 123.8

160 44.5 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: 68.76 ng

RT: 10.39 min Scan# 1429

Delta R.T. -0.03 min

Lab File: BF096977.D

Acq: 22 Jul 2017 8:19

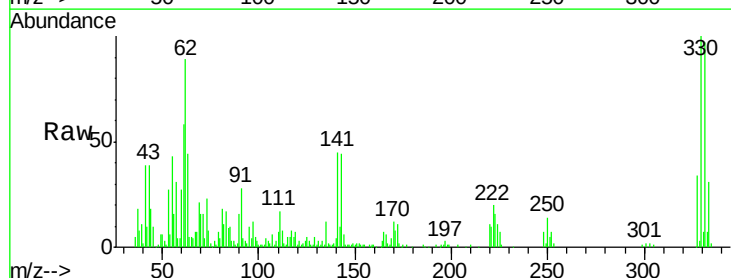
Tgt Ion:330 Resp: 89912

Ion Ratio Lower Upper

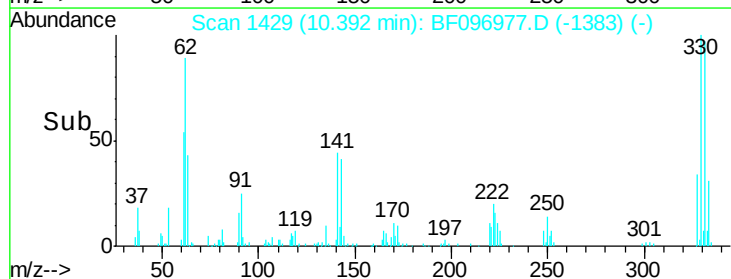
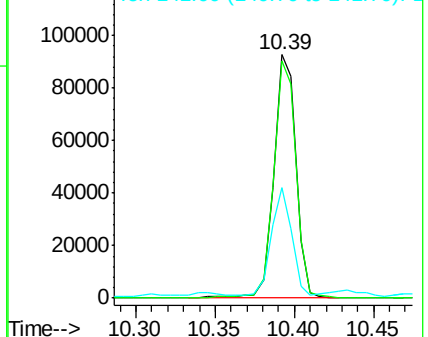
330 100

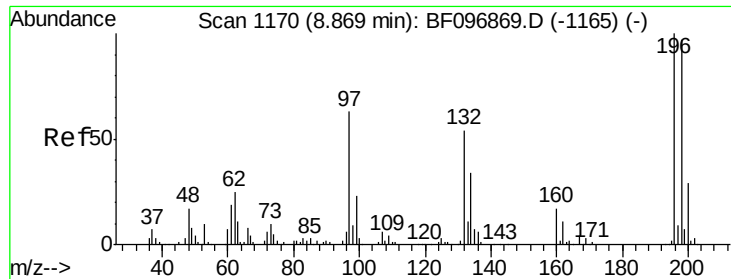
332 98.6 76.6 115.0

141 41.9 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

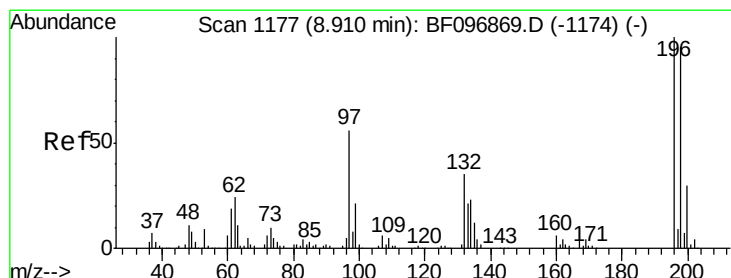
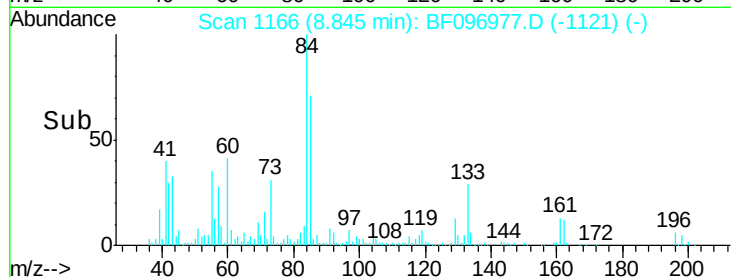
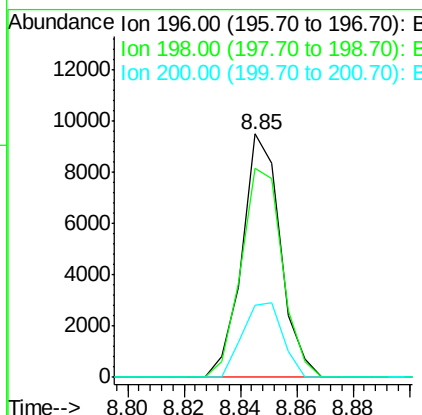
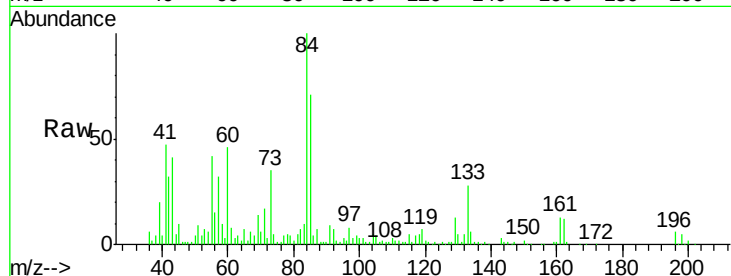




#42
 2,4,6-Trichlorophenol
 Concen: 2.92 ng
 RT: 8.85 min Scan# 1166
 Delta R.T. -0.04 min
 Lab File: BF096977.D
 Acq: 22 Jul 2017 8:19

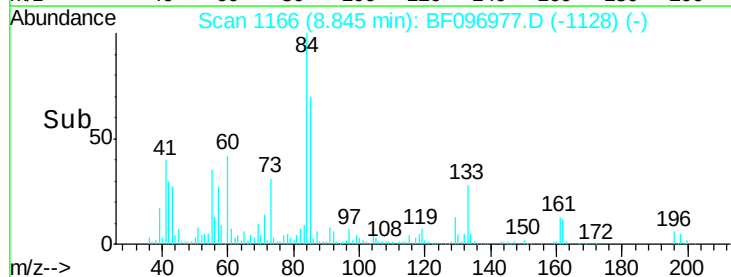
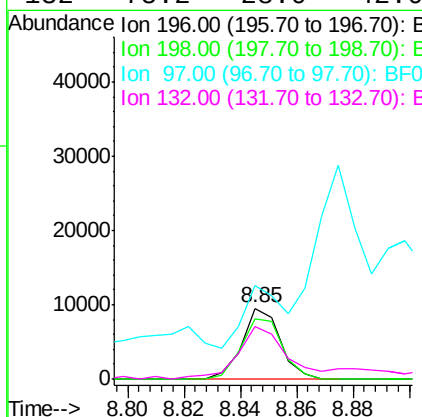
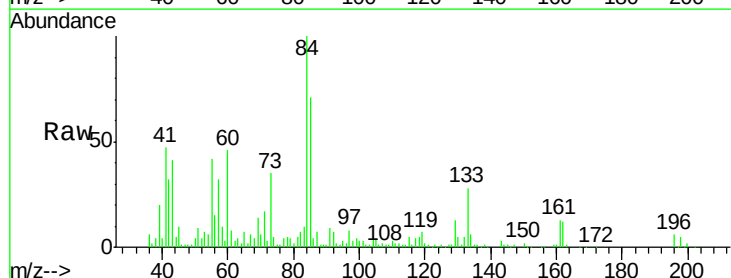
Instrument :
 BNA_F
 ClientSampleId :
 B-COMB-4

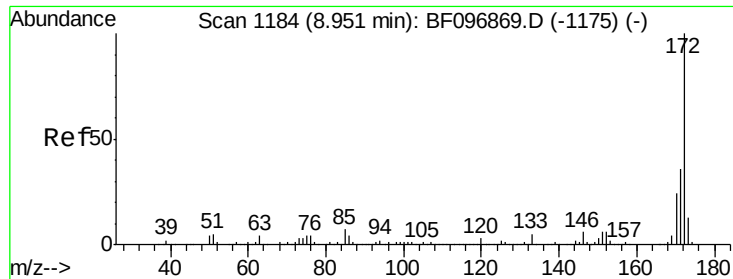
Tot Ion:196 Resp: 8933
 Ion Ratio Lower Upper
 196 100
 198 85.9 74.2 111.4
 200 29.4 24.0 36.0



#43
 2,4,5-Trichlorophenol
 Concen: 2.90 ng
 RT: 8.85 min Scan# 1166
 Delta R.T. -0.08 min
 Lab File: BF096977.D
 Acq: 22 Jul 2017 8:19

Tgt Ion:196 Resp: 8933
 Ion Ratio Lower Upper
 196 100
 198 85.9 75.7 113.5
 97 132.3 47.7 71.5#
 132 75.2 28.0 42.0#

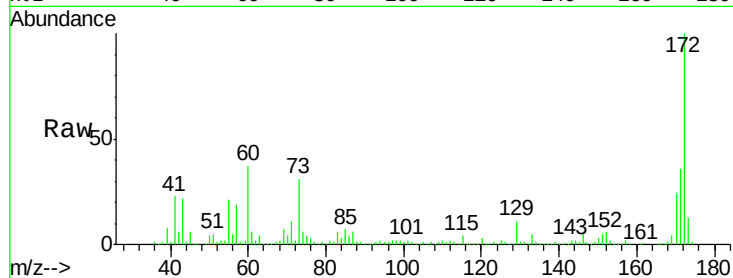




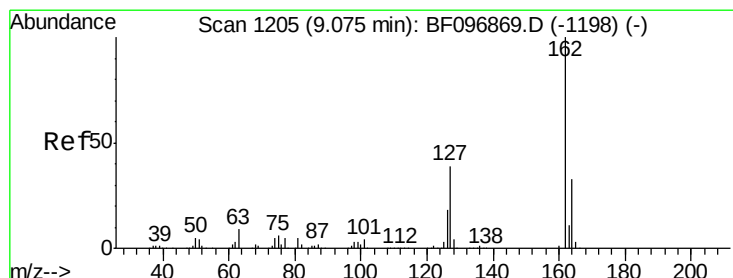
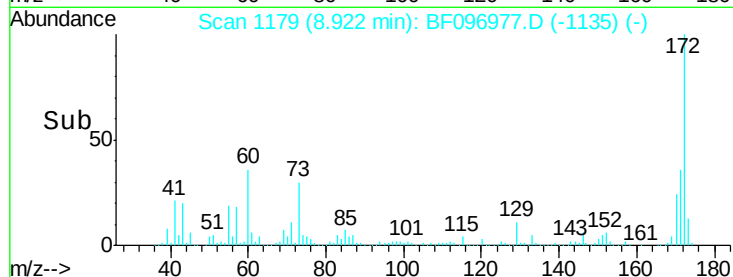
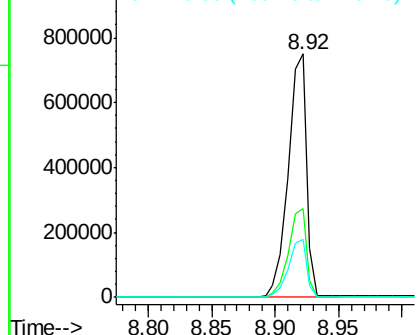
#44
 2-Fluorobiphenyl
 Concen: 78.92 ng
 RT: 8.92 min Scan# 1179
 Delta R.T. -0.04 min
 Lab File: BF096977.D
 Acq: 22 Jul 2017 8:19

Instrument :
 BNA_F
 ClientSampleId :
 B-COMB-4

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.9	19.8	29.8

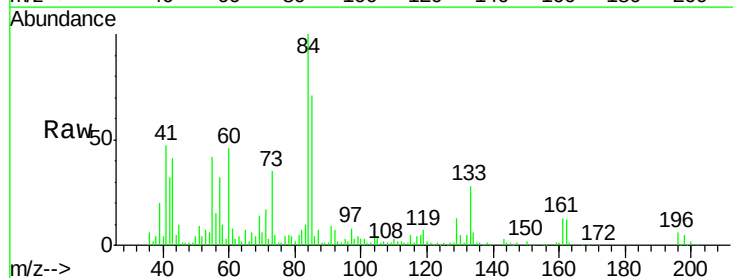


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

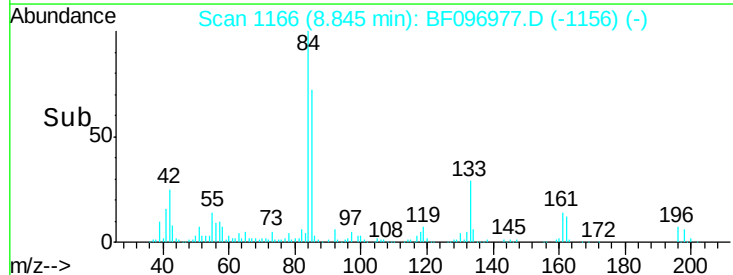
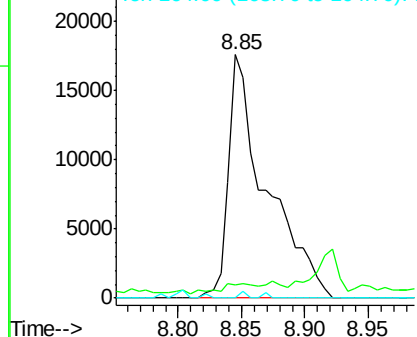


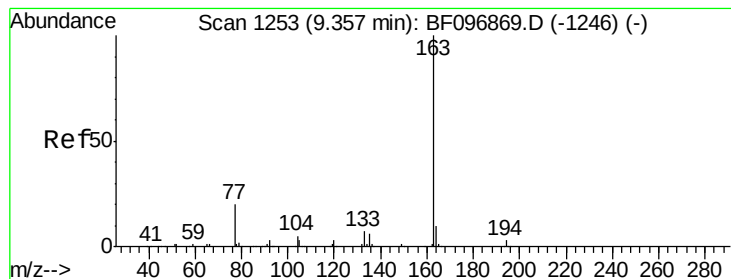
#46
 2-Chloronaphthalene
 Concen: 3.76 ng
 RT: 8.85 min Scan# 1166
 Delta R.T. -0.24 min
 Lab File: BF096977.D
 Acq: 22 Jul 2017 8:19

Tgt Ion	Ratio	Lower	Upper
162	100		
127	5.4	28.3	42.5#
164	0.0	27.0	40.4#



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





#49

Dimethylphthalate

Concen: 8.21 ng

RT: 9.32 min Scan# 1247

Delta R.T. -0.05 min

Lab File: BF096977.D

Acq: 22 Jul 2017 8:19

Instrument :

BNA_F

ClientSampleId :

B-COMB-4

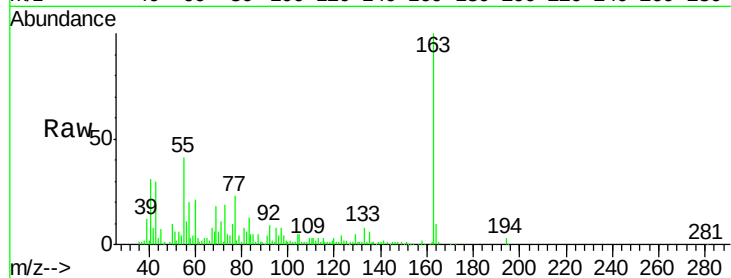
Tot Ion:163 Resp: 94749

Ion Ratio Lower Upper

163 100

194 2.9 2.6 4.0

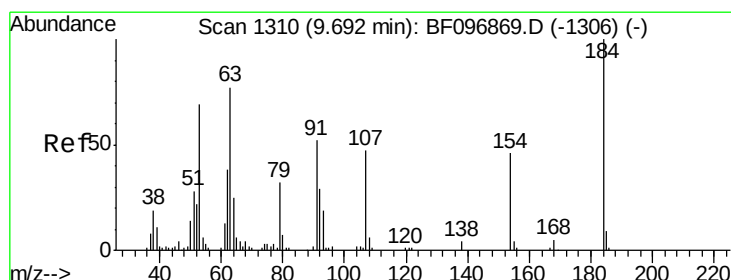
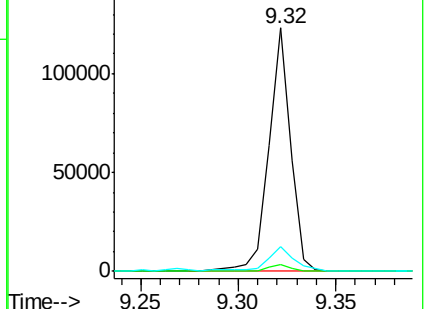
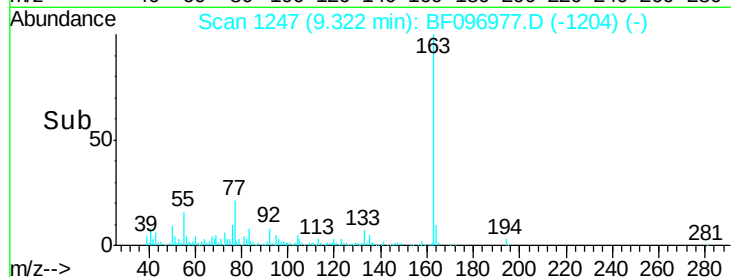
164 10.4 8.4 12.6



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: 8.79 ng

RT: 9.69 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF096977.D

Acq: 22 Jul 2017 8:19

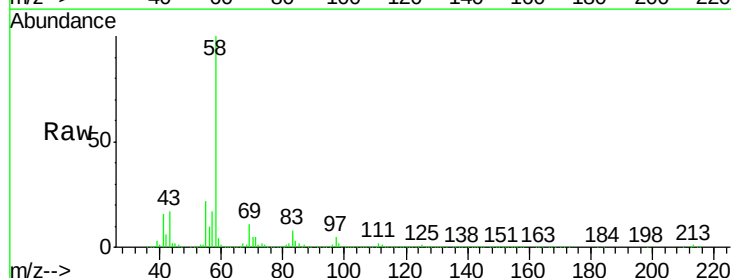
Tgt Ion:184 Resp: 2766

Ion Ratio Lower Upper

184 100

63 72.6 62.7 94.1

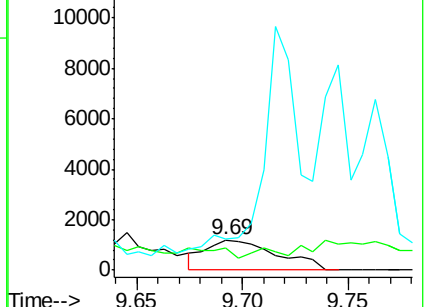
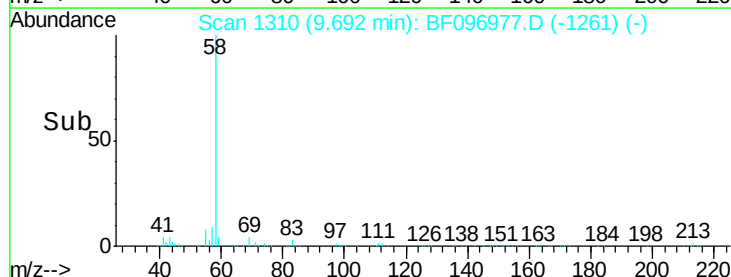
154 104.3 81.1 121.7

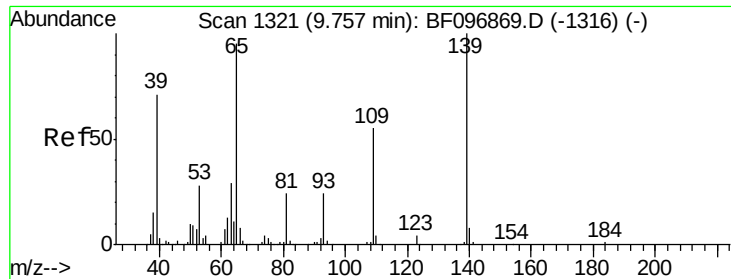


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

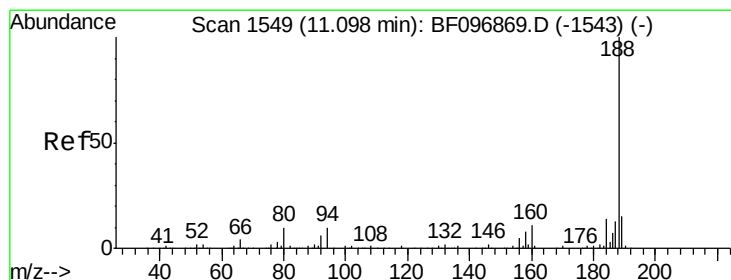
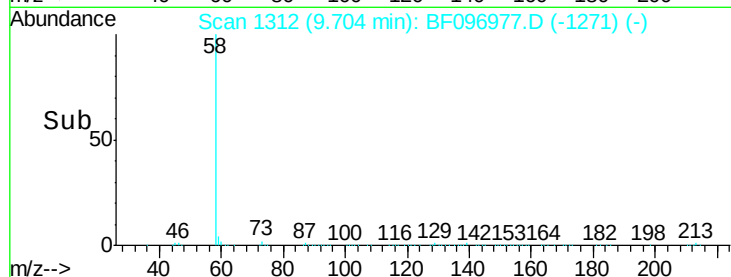
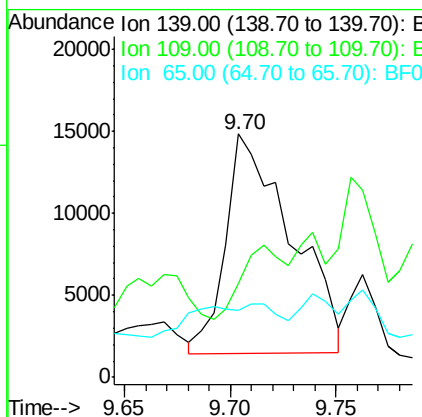
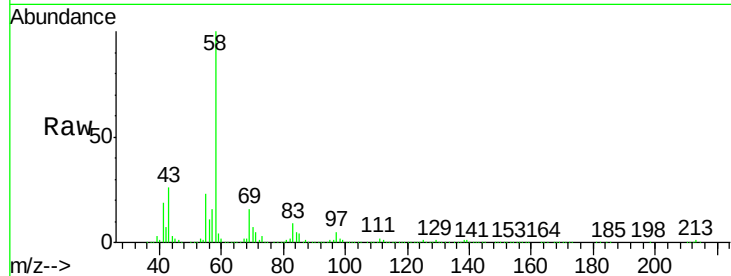




#55
4-Nitrophenol
Concen: 13.41 ng
RT: 9.70 min Scan# 1312
Delta R.T. -0.06 min
Lab File: BF096977.D
Acq: 22 Jul 2017 8:19

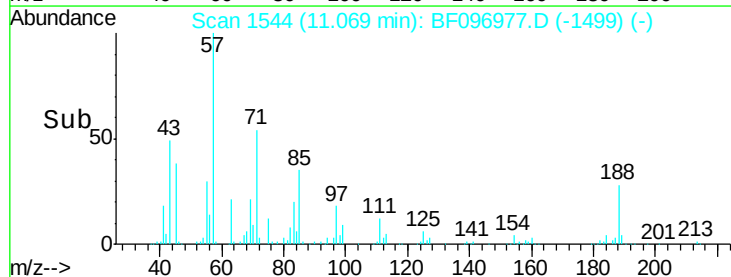
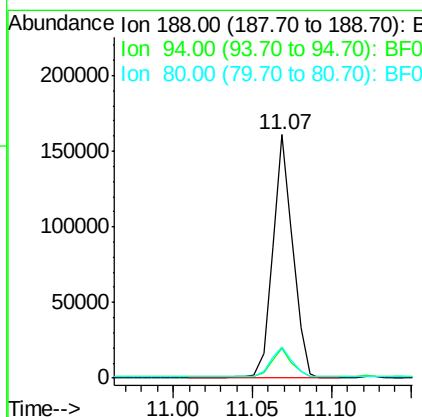
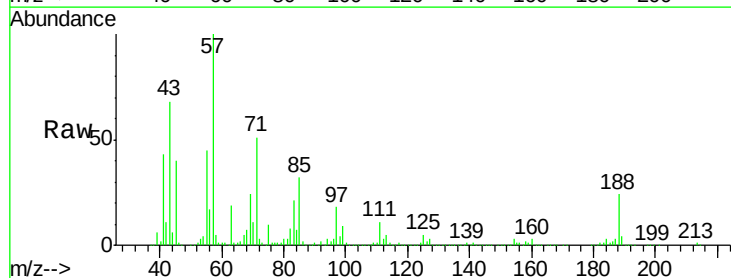
Instrument :
BNA_F
ClientSampleId :
B-COMB-4

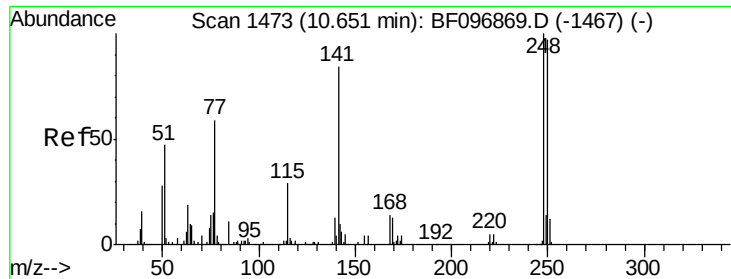
Tot Ion:139 Resp: 29003
Ion Ratio Lower Upper
139 100
109 38.4 34.1 74.1
65 27.5 31.4 71.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 1544
Delta R.T. -0.04 min
Lab File: BF096977.D
Acq: 22 Jul 2017 8:19

Tgt Ion:188 Resp: 143449
Ion Ratio Lower Upper
188 100
94 12.2 9.4 14.2
80 12.7 10.2 15.2

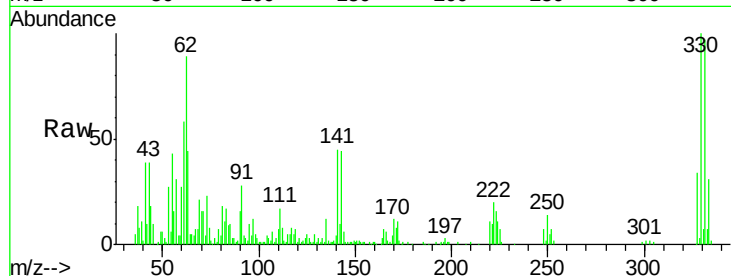




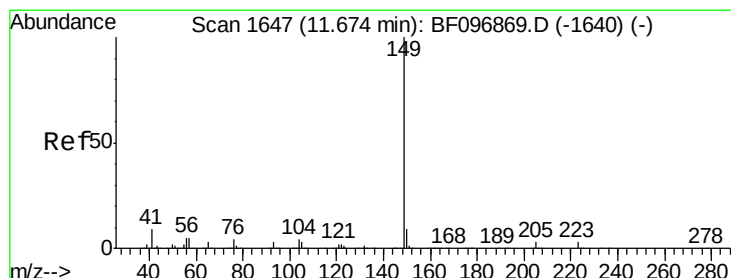
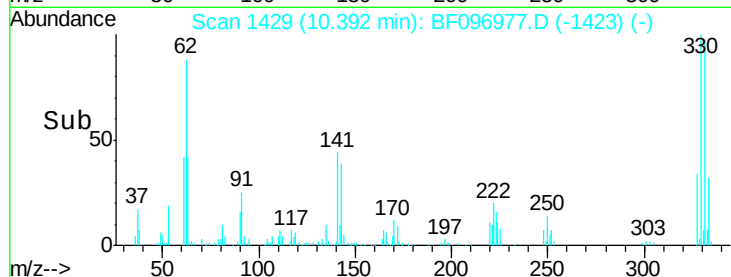
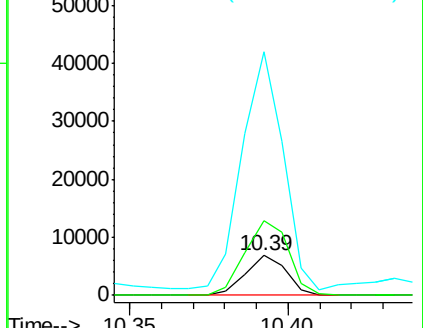
#66
4-Bromophenyl-phenylether
Concen: 4.17 ng
RT: 10.39 min Scan# 1429
Delta R.T. -0.26 min
Lab File: BF096977.D
Acq: 22 Jul 2017 8:19

Instrument :
BNA_F
ClientSampleId :
B-COMB-4

Tot Ion:248 Resp: 6114
Ion Ratio Lower Upper
248 100
250 185.9 76.8 115.2#
141 608.8 68.6 103.0#

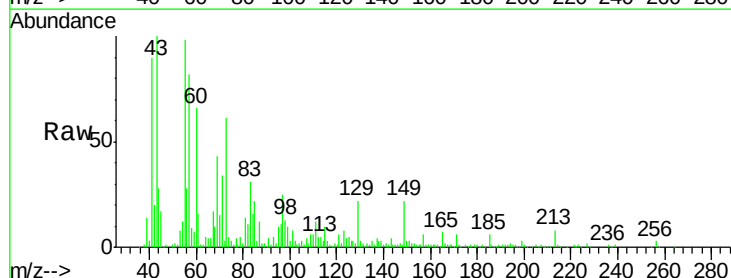


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

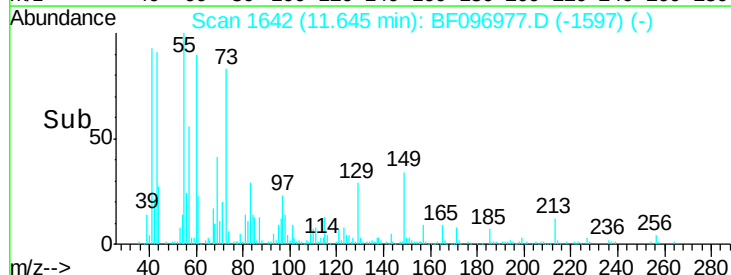
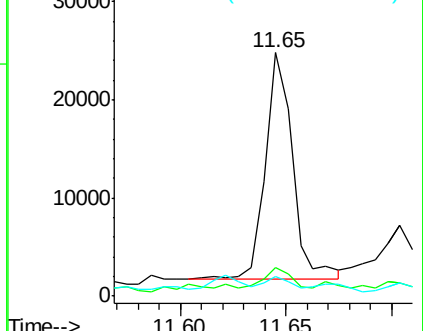


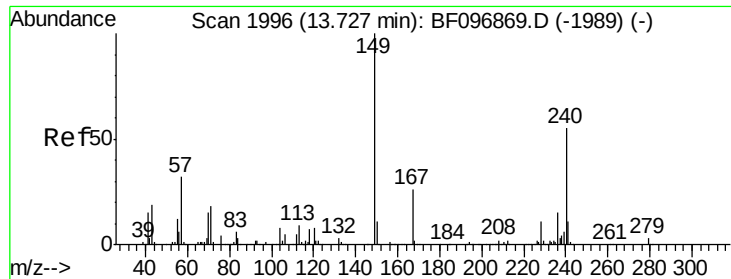
#73
Di-n-butylphthalate
Concen: 2.20 ng
RT: 11.65 min Scan# 1642
Delta R.T. -0.04 min
Lab File: BF096977.D
Acq: 22 Jul 2017 8:19

Tgt Ion:149 Resp: 20907
Ion Ratio Lower Upper
149 100
150 11.5 7.7 11.5
104 8.2 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.70 min Scan# 1991

Delta R.T. -0.04 min

Lab File: BF096977.D

Acq: 22 Jul 2017 8:19

Instrument :

BNA_F

ClientSampleId :

B-COMB-4

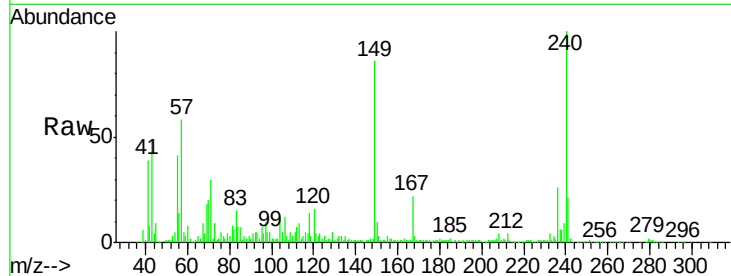
Tot Ion:240 Resp: 193663

Ion Ratio Lower Upper

240 100

120 16.1 5.8 8.8#

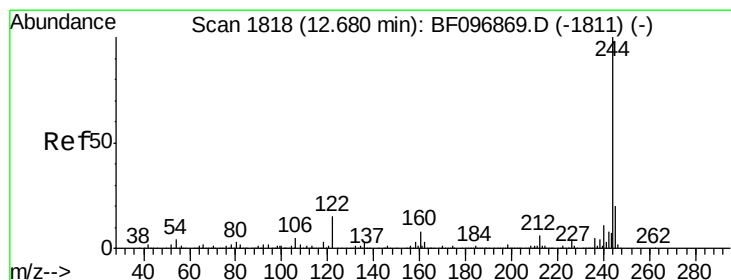
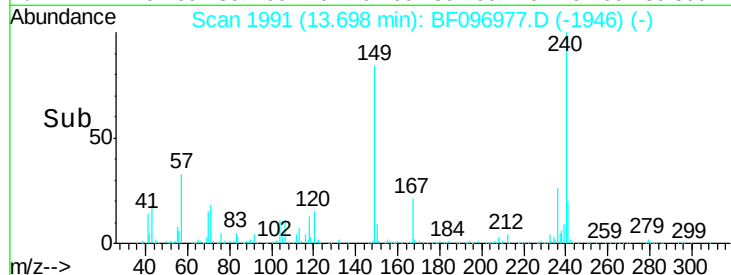
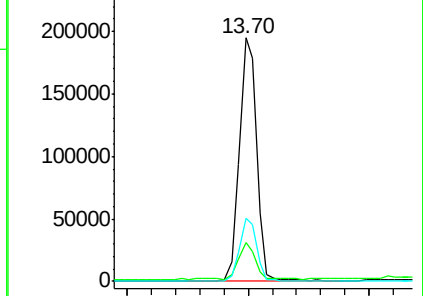
236 26.2 20.5 30.7



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: 44.41 ng

RT: 12.66 min Scan# 1814

Delta R.T. -0.04 min

Lab File: BF096977.D

Acq: 22 Jul 2017 8:19

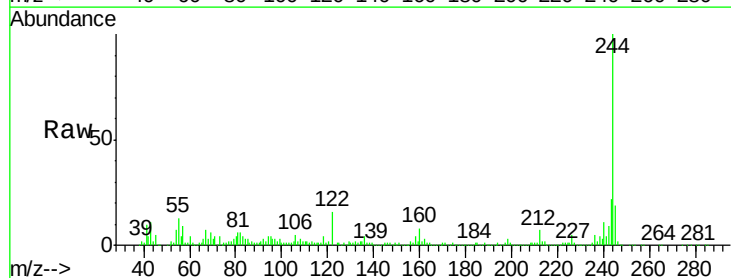
Tgt Ion:244 Resp: 495920

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

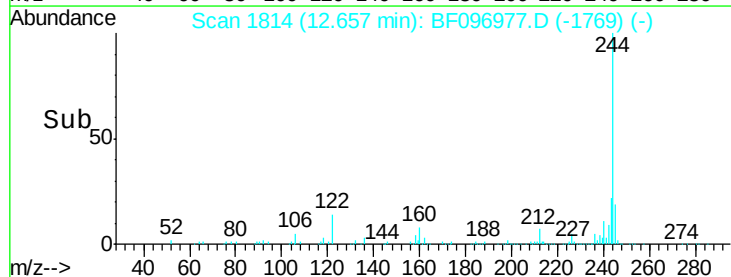
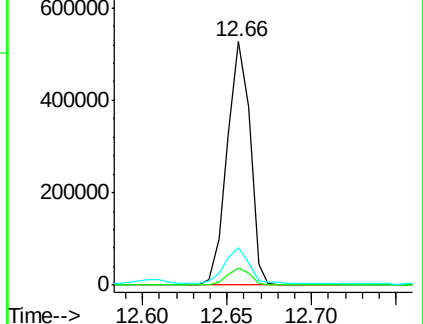
122 15.6 10.3 15.5#

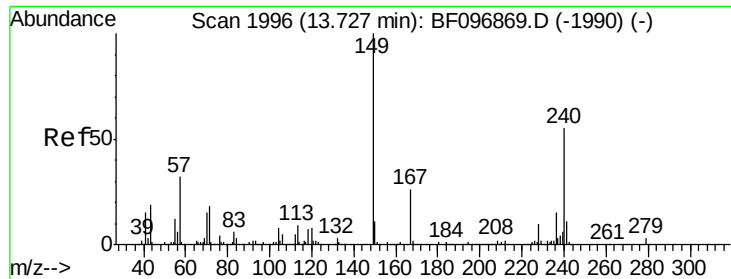


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 19.33 ng

RT: 13.70 min Scan# 1992

Delta R.T. -0.03 min

Lab File: BF096977.D

Acq: 22 Jul 2017 8:19

Instrument :

BNA_F

ClientSampleId :

B-COMB-4

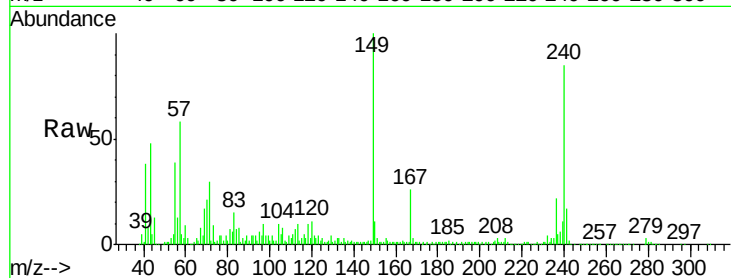
Tot Ion:149 Resp: 196586

Ion Ratio Lower Upper

149 100

167 26.2 21.0 31.4

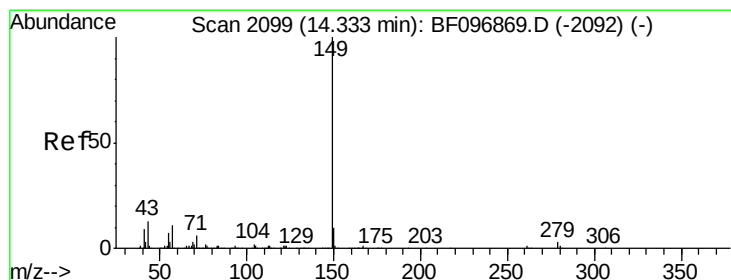
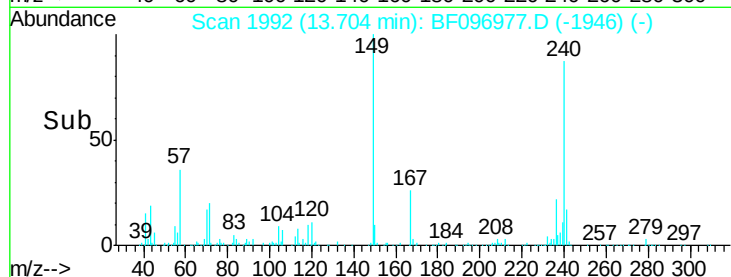
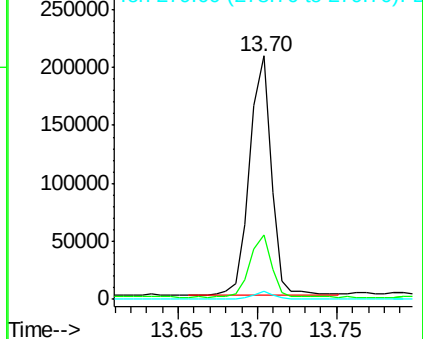
279 3.1 1.9 2.9#



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



#84

Di-n-octyl phthalate

Concen: 4.47 ng

RT: 14.30 min Scan# 2093

Delta R.T. -0.04 min

Lab File: BF096977.D

Acq: 22 Jul 2017 8:19

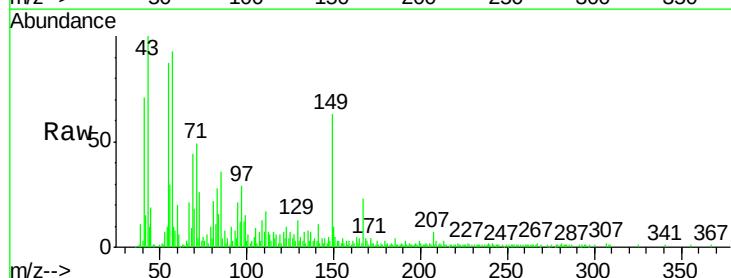
Tgt Ion:149 Resp: 75102

Ion Ratio Lower Upper

149 100

167 36.4 1.2 1.8#

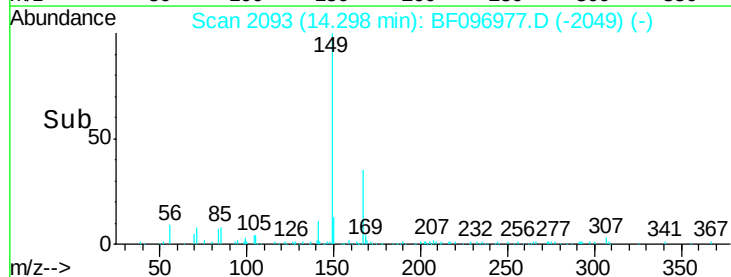
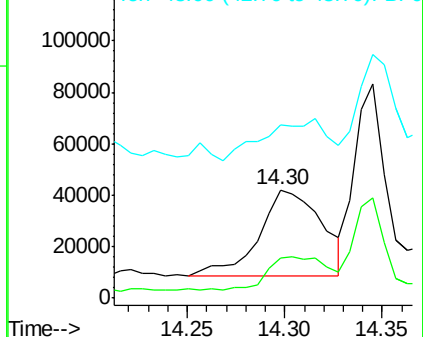
43 47.2 8.5 12.7#

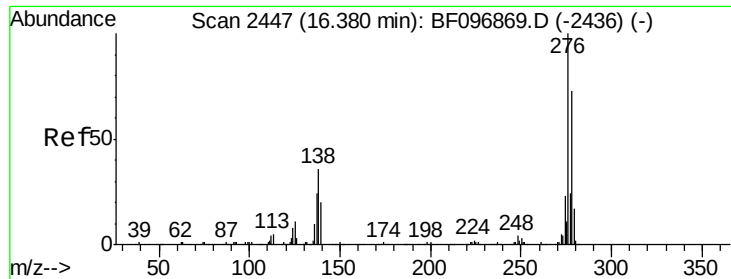


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

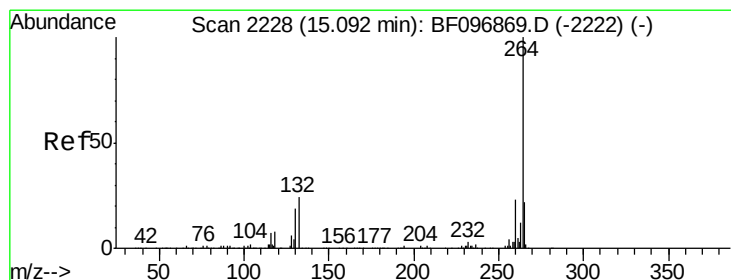
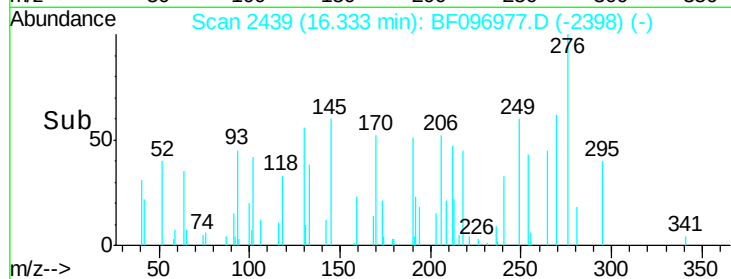
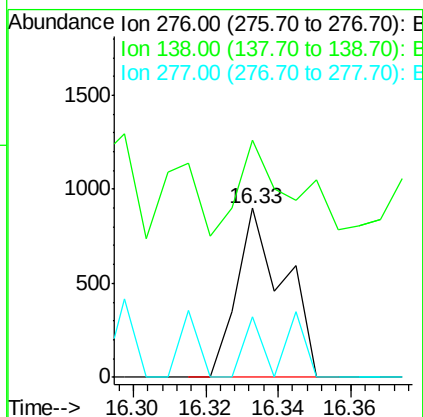
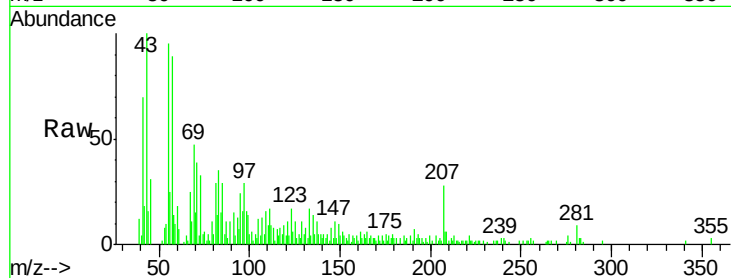




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.40 ng
RT: 16.33 min Scan# 2439
Delta R.T. -0.06 min
Lab File: BF096977.D
Acq: 22 Jul 2017 8:19

Instrument :
BNA_F
ClientSampleId :
B-COMB-4

Tot Ion:276 Resp: 812
Ion Ratio Lower Upper
276 100
138 64.7 27.8 41.6#
277 29.3 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.07 min Scan# 2225
Delta R.T. -0.03 min
Lab File: BF096977.D
Acq: 22 Jul 2017 8:19

Tgt Ion:264 Resp: 140089
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 21.4 17.2 25.8

