

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
 Data File : BF096972.D
 Acq On : 22 Jul 2017 6:02
 Operator : SJ/JU
 Sample : I4274-06
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-COMB-6

Quant Time: Jul 24 04:12:37 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

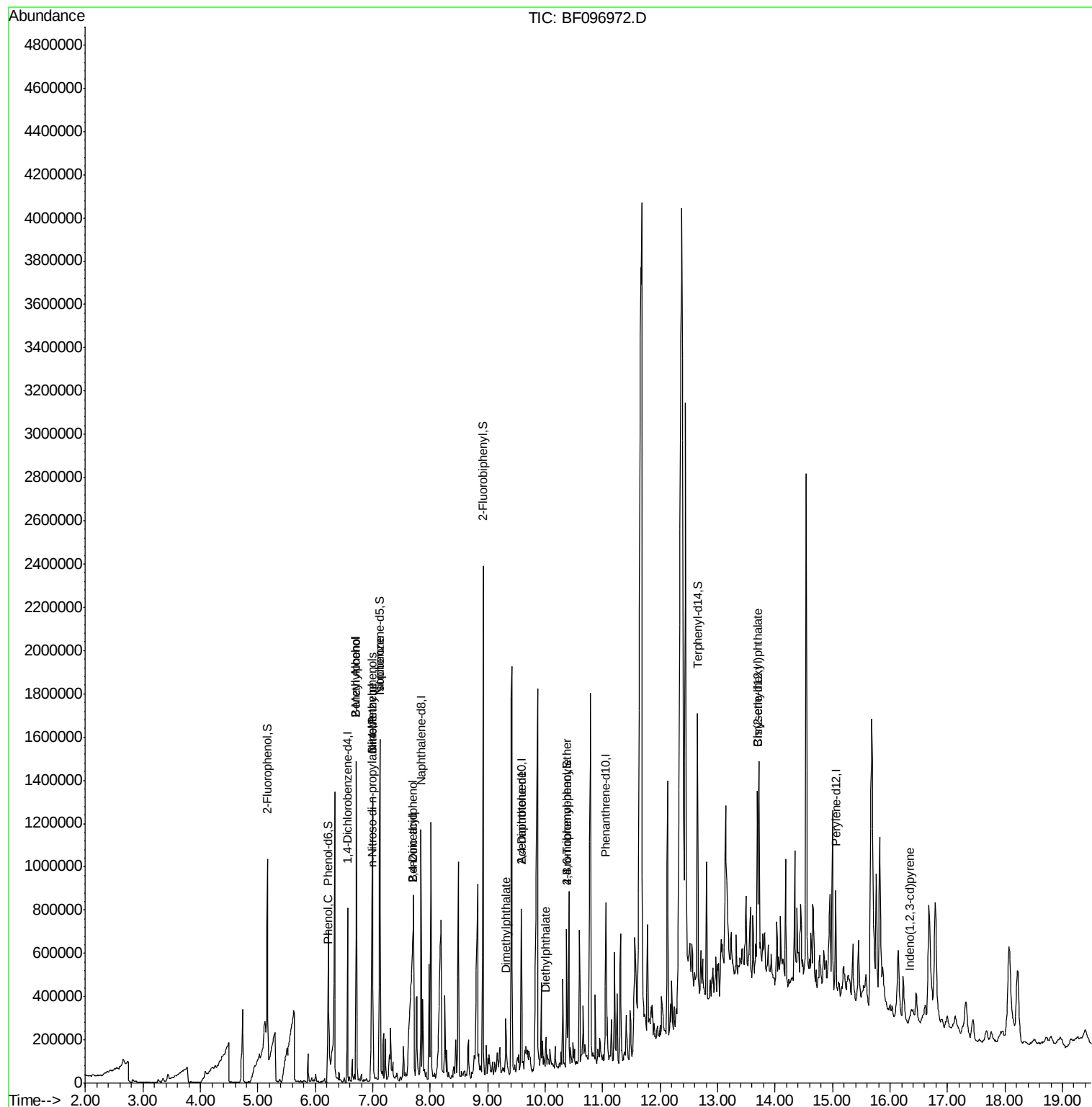
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	110121	20.00	ng	-0.04
21) Naphthalene-d8	7.84	136	477168	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	148464	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	198184	20.00	ng	-0.04
75) Chrysene-d12	13.69	240	231689	20.00	ng	-0.04
86) Perylene-d12	15.06	264	197865	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	260993	35.64	ng	-0.04
7) Phenol-d6	6.22	99	221413	25.19	ng	-0.03
23) Nitrobenzene-d5	7.12	82	432982	56.21	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	68416	53.99	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	652211	69.41	ng	-0.05
78) Terphenyl-d14	12.65	244	386428	28.93	ng	-0.04
Target Compounds						Qvalue
10) Phenol	6.23	94	83212	8.38	ng	92
15) Benzyl Alcohol	6.71	79	50298	8.74	ng	92
17) 2-Methylphenol	6.71	107	23786	3.87	ng	# 1
19) n-Nitroso-di-n-propylamine	6.98	70	19382	3.66	ng	# 86
20) 3+4-Methylphenols	7.00	107	307966	41.31	ng	# 57
24) Nitrobenzene	7.00	77	87017	10.92	ng	# 45
25) Isophorone	7.12	82	420933	29.37	ng	# 67
27) 2,4-Dimethylphenol	7.70	122	216519	29.71	ng	# 6
32) Benzoic acid	7.70	122	216519	46.48	ng	94
49) Dimethylphthalate	9.31	163	64765	5.79	ng	99
56) 2,4-Dinitrotoluene	9.59	165	19400	6.24	ng	# 34
59) Diethylphthalate	10.01	149	42889	3.94	ng	99
66) 4-Bromophenyl-phenylether	10.37	248	4539	2.24	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.69	149	44786	3.68	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.34	276	244	3.35	ng	# 14

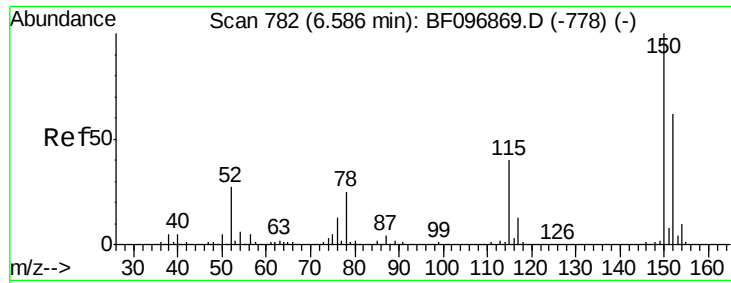
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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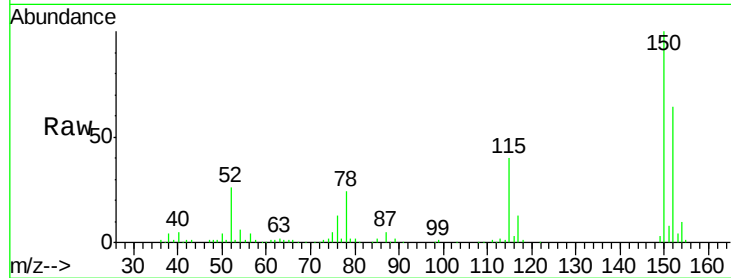


#1

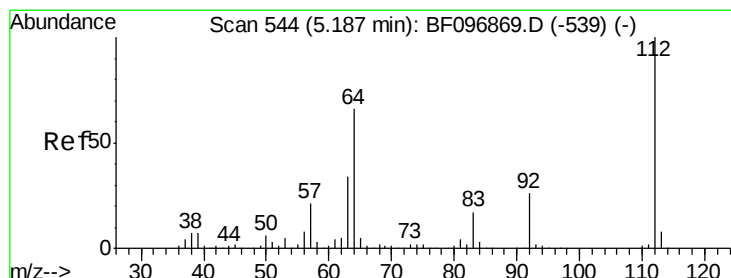
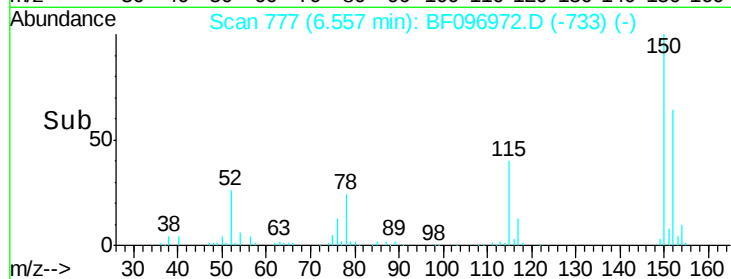
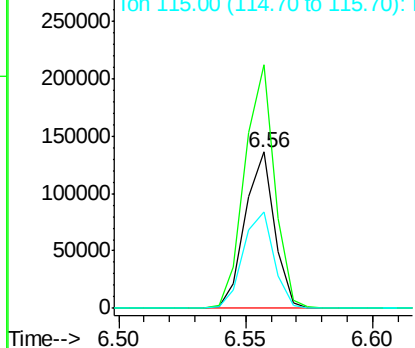
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.56 min Scan# 777
 Delta R.T. -0.04 min
 Lab File: BF096972.D
 Acq: 22 Jul 2017 6:02

Instrument :
 BNA_F
 ClientSampled :
 M-COMB-6

Tot Ion:152 Resp: 110121
 Ion Ratio Lower Upper
 152 100
 150 155.7 126.2 189.2
 115 61.7 52.2 78.2



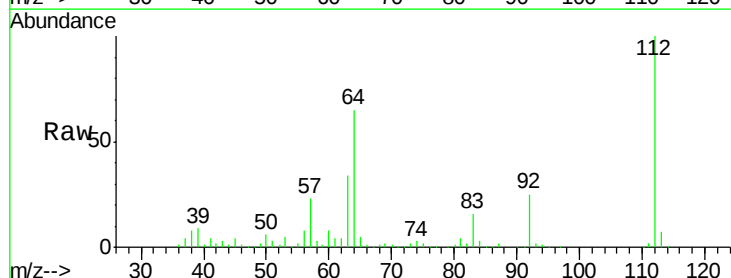
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



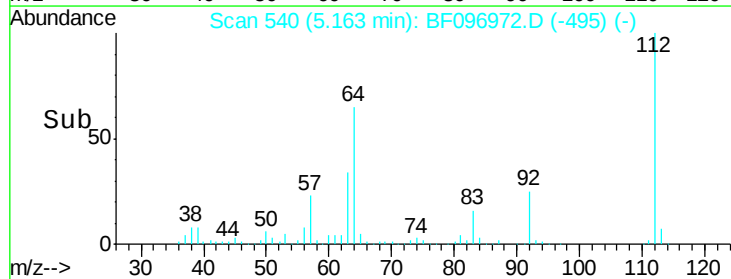
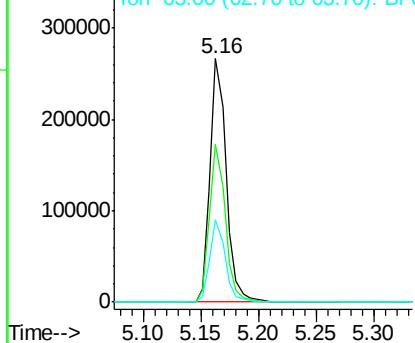
#5

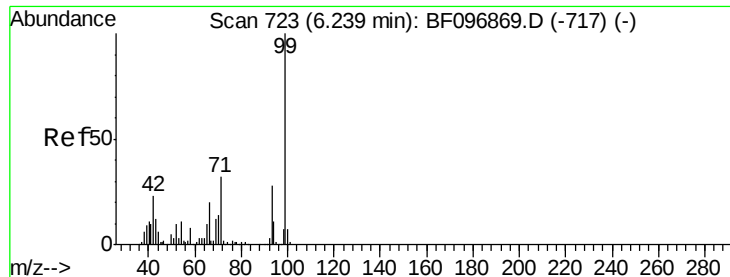
2-Fluorophenol
 Concen: 35.64 ng
 RT: 5.16 min Scan# 540
 Delta R.T. -0.04 min
 Lab File: BF096972.D
 Acq: 22 Jul 2017 6:02

Tgt Ion:112 Resp: 260993
 Ion Ratio Lower Upper
 112 100
 64 64.8 46.0 69.0
 63 33.6 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: 25.19 ng

RT: 6.22 min Scan# 720

Delta R.T. -0.03 min

Lab File: BF096972.D

Acq: 22 Jul 2017 6:02

Instrument :

BNA_F

ClientSampleId :

M-COMB-6

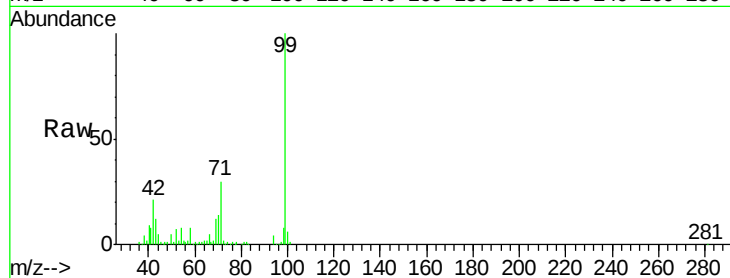
Tot Ion: 99 Resp: 221413

Ion Ratio Lower Upper

99 100

42 20.9 13.5 20.3#

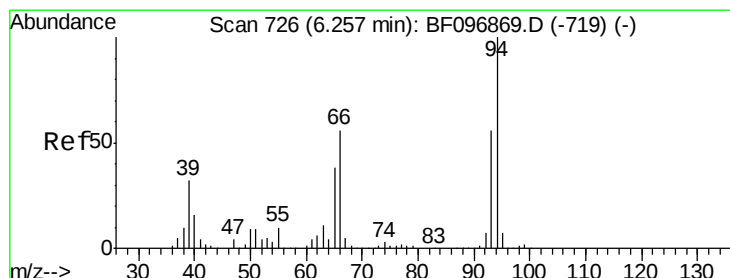
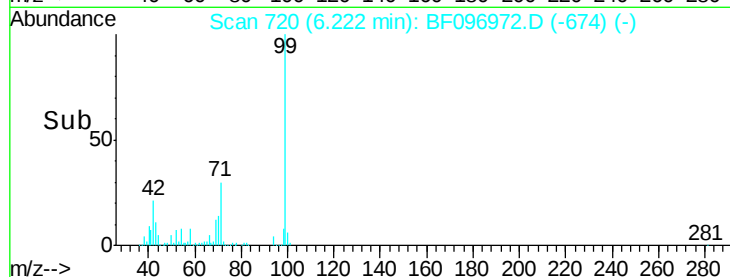
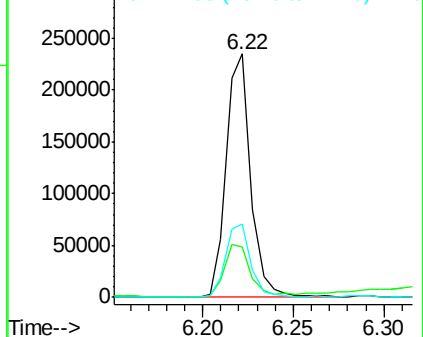
71 30.2 24.5 36.7



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



#10

Phenol

Concen: 8.38 ng

RT: 6.23 min Scan# 722

Delta R.T. -0.04 min

Lab File: BF096972.D

Acq: 22 Jul 2017 6:02

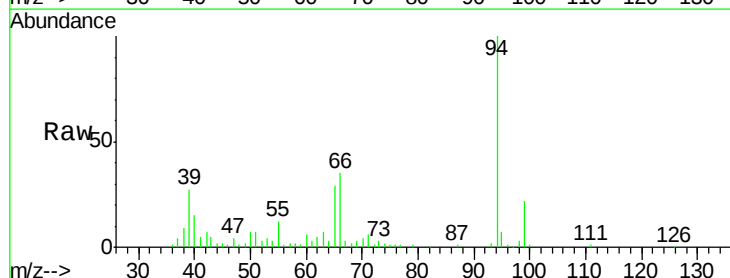
Tgt Ion: 94 Resp: 83212

Ion Ratio Lower Upper

94 100

65 29.0 9.9 49.9

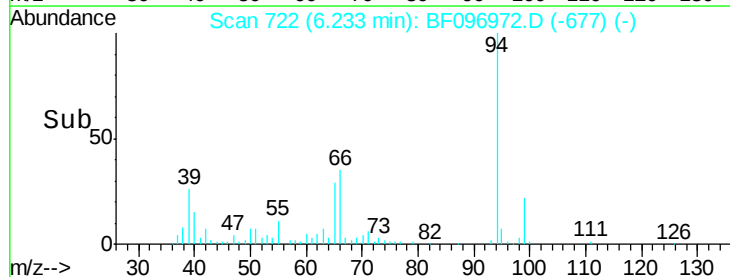
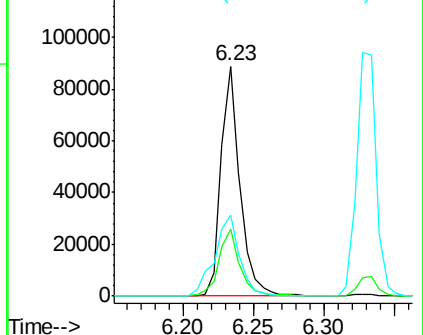
66 35.2 23.1 63.1

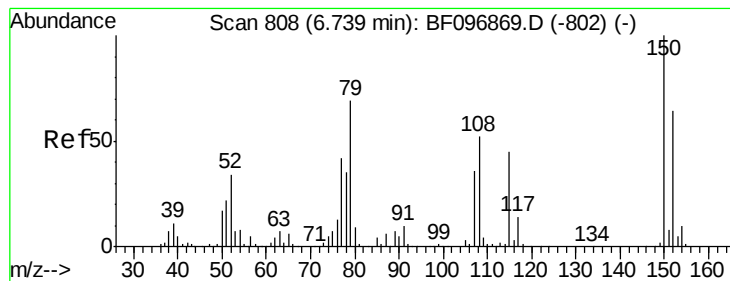


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 8.74 ng

RT: 6.71 min Scan# 803

Delta R.T. -0.04 min

Lab File: BF096972.D

Acq: 22 Jul 2017 6:02

Instrument :

BNA_F

ClientSampled :

M-COMB-6

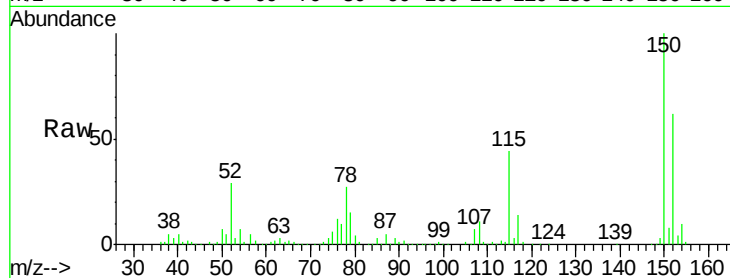
Tot Ion: 79 Resp: 50298

Ion Ratio Lower Upper

79 100

108 73.9 63.4 95.0

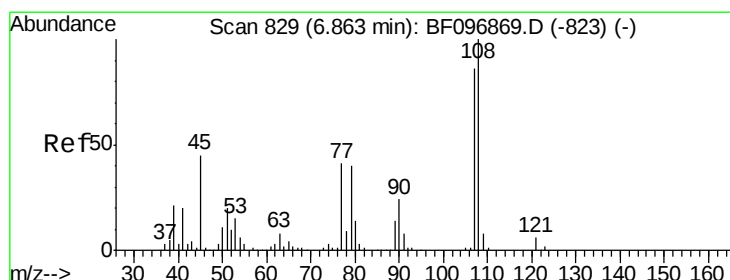
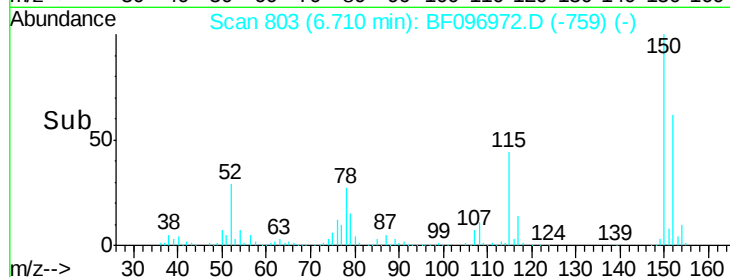
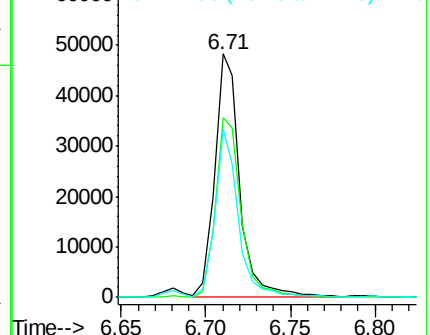
77 68.8 49.2 73.8



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#17

2-Methylphenol

Concen: 3.87 ng

RT: 6.71 min Scan# 803

Delta R.T. -0.16 min

Lab File: BF096972.D

Acq: 22 Jul 2017 6:02

Tgt Ion: 107 Resp: 23786

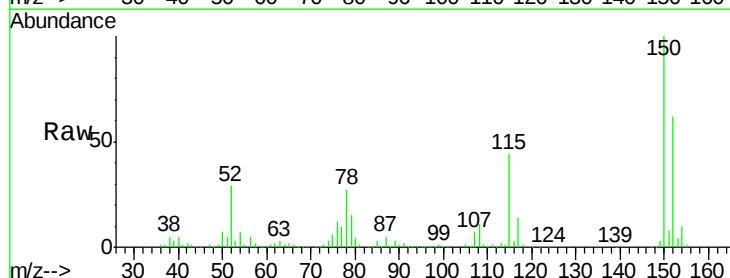
Ion Ratio Lower Upper

107 100

108 157.0 93.4 140.0#

77 146.2 35.8 53.6#

79 212.6 34.8 52.2#

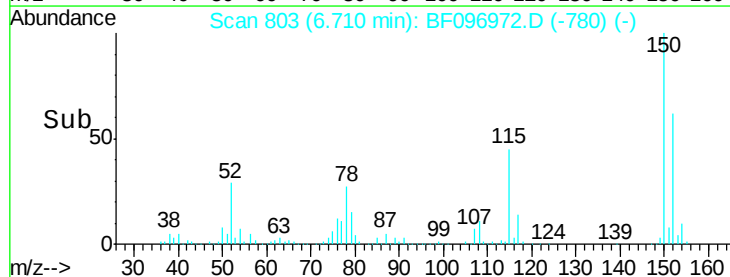
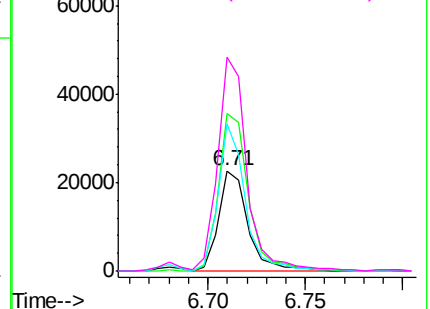


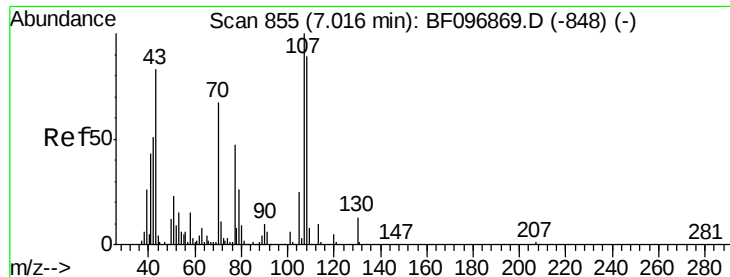
Abundance Ion 107.00 (106.70 to 107.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

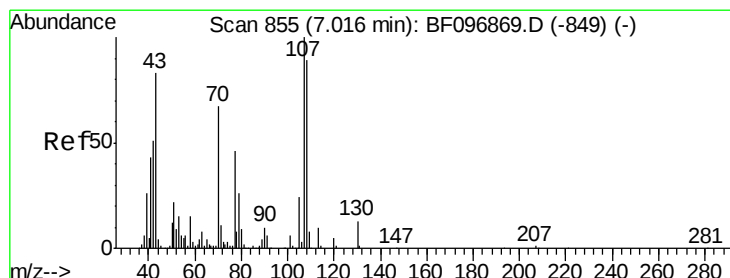
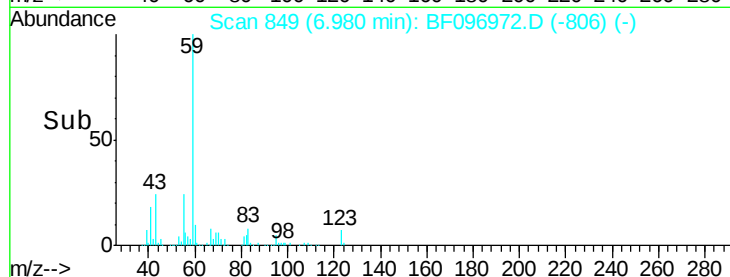
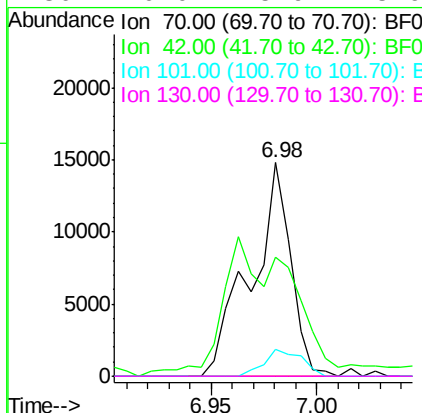
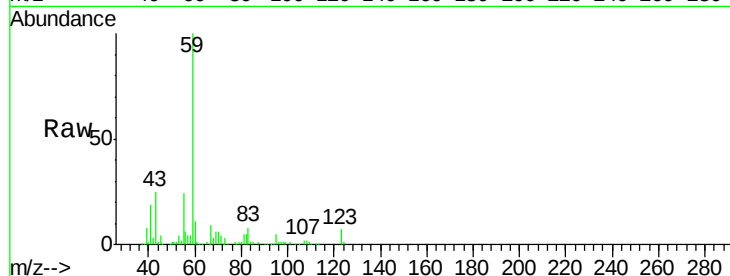




#19
n-Nitroso-di-n-propylamine
Concen: 3.66 ng
RT: 6.98 min Scan# 849
Delta R.T. -0.05 min
Lab File: BF096972.D
Acq: 22 Jul 2017 6:02

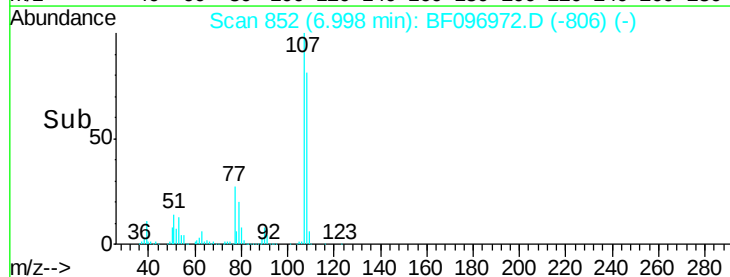
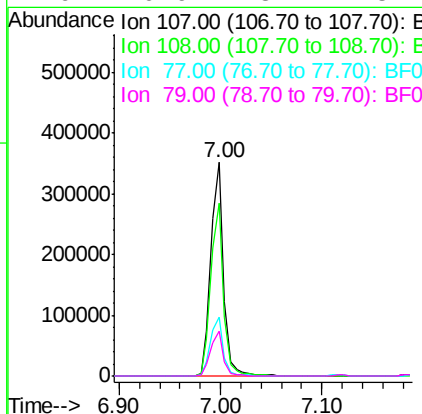
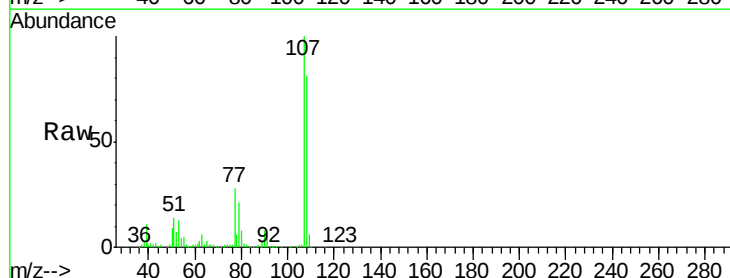
Instrument :
BNA_F
ClientSampleId :
M-COMB-6

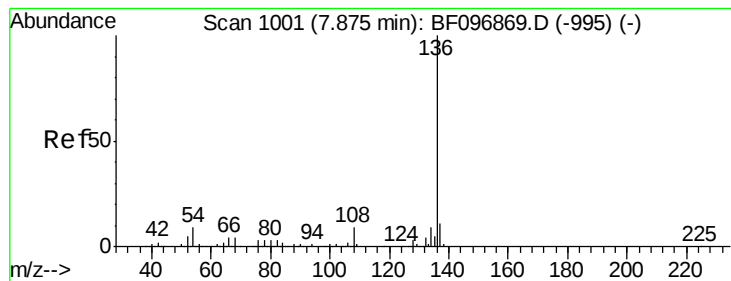
Tot Ion	Ratio	Lower	Upper
70	100		
42	55.5	47.2	70.8
101	12.3	7.2	10.8#
130	0.0	15.9	23.9#



#20
3+4-Methylphenols
Concen: 41.31 ng
RT: 7.00 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF096972.D
Acq: 22 Jul 2017 6:02

Tgt Ion	Ratio	Lower	Upper
107	100		
108	81.2	71.0	111.0
77	27.6	90.5	130.5#
79	20.9	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: BF096972.D

Acq: 22 Jul 2017 6:02

Instrument :

BNA_F

ClientSampleId :

M-COMB-6

Tot Ion:136 Resp: 477168

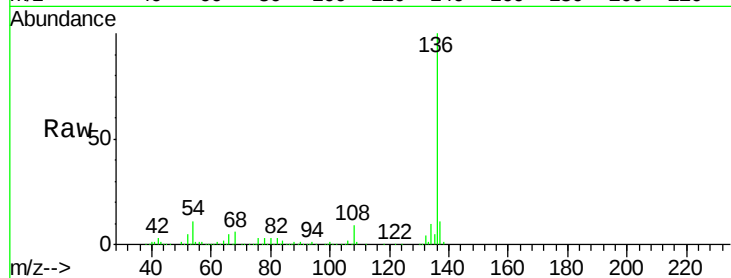
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 10.9 4.9 7.3#

68 6.1 4.1 6.1#

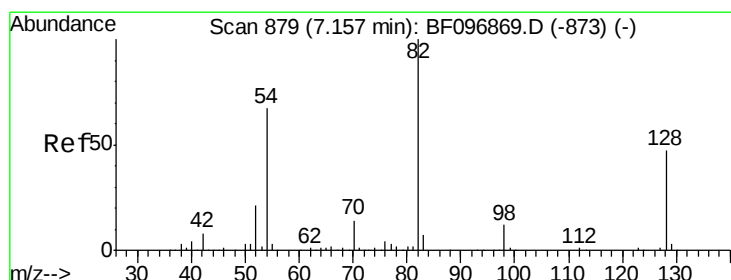
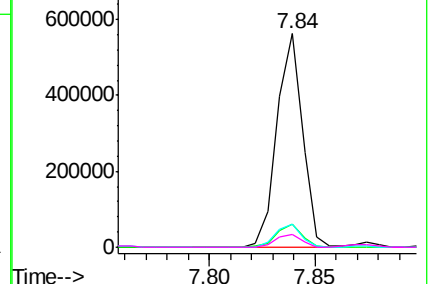
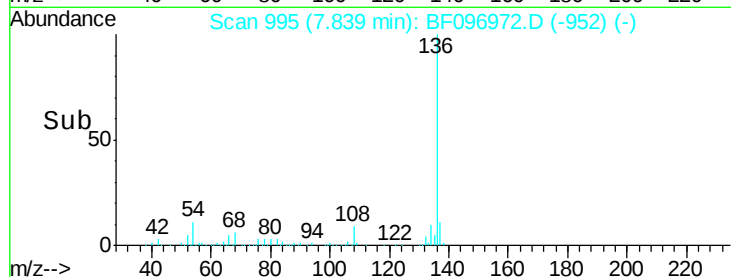


Abundance Ion 136.00 (135.70 to 136.70): E

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: 56.21 ng

RT: 7.12 min Scan# 873

Delta R.T. -0.05 min

Lab File: BF096972.D

Acq: 22 Jul 2017 6:02

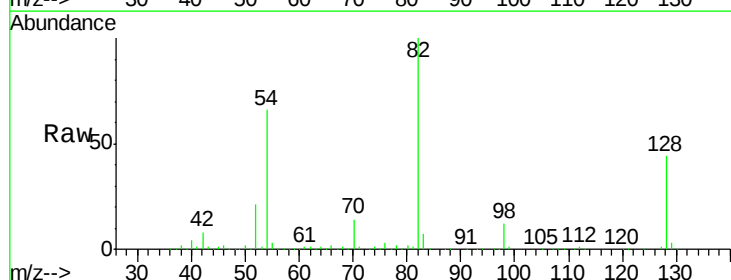
Tgt Ion: 82 Resp: 432982

Ion Ratio Lower Upper

82 100

128 44.5 34.0 51.0

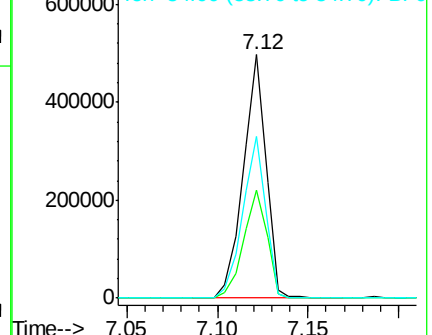
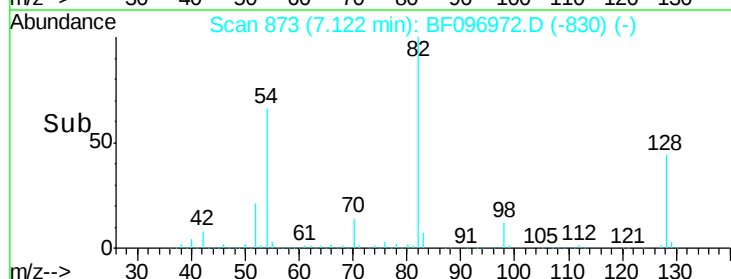
54 66.2 42.2 63.2#

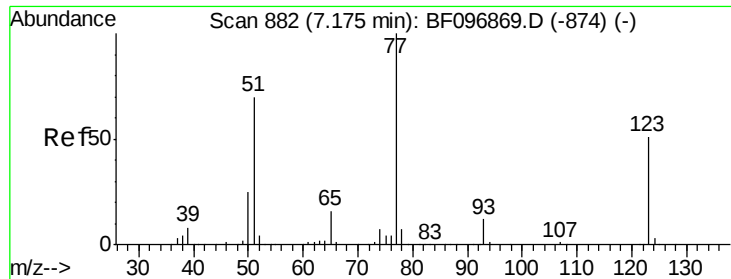


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

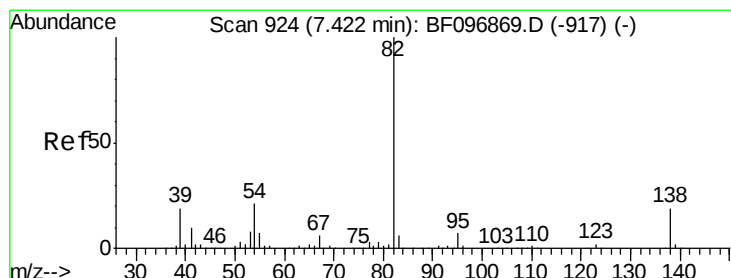
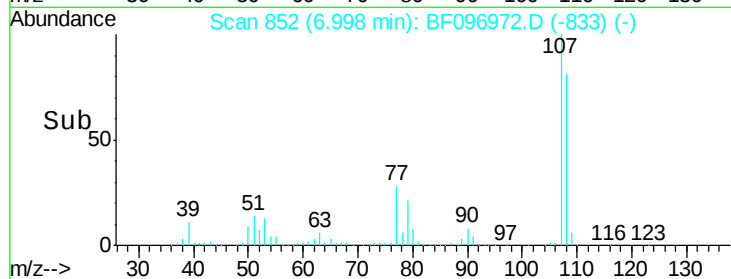
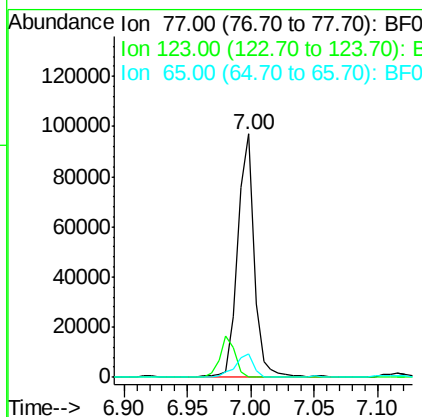
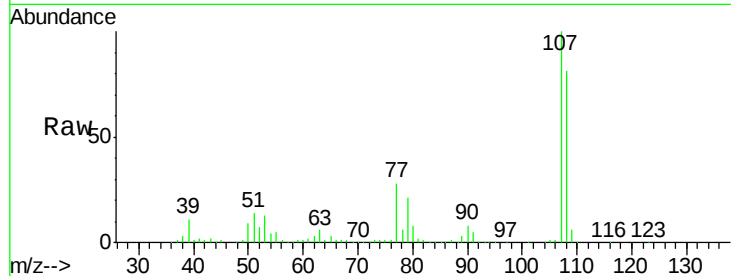




#24
 Nitrobenzene
 Concen: 10.92 ng
 RT: 7.00 min Scan# 852
 Delta R.T. -0.19 min
 Lab File: BF096972.D
 Acq: 22 Jul 2017 6:02

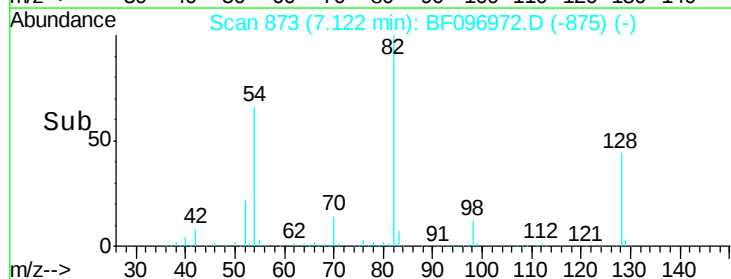
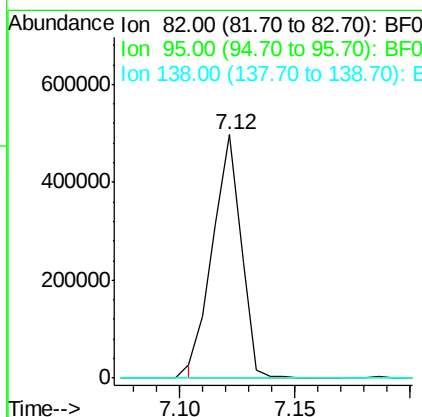
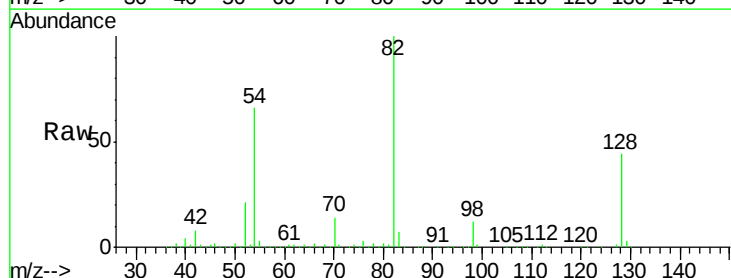
Instrument :
 BNA_F
 ClientSampleId :
 M-COMB-6

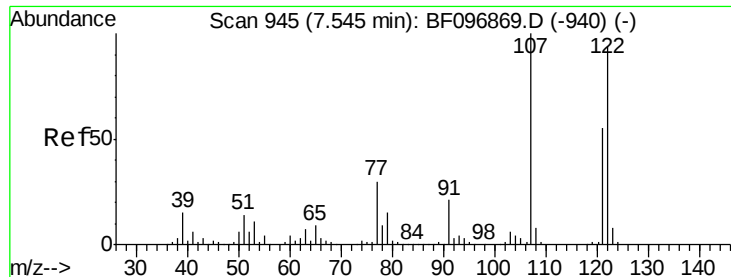
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.4	35.8	53.8#
65	9.4	10.6	15.8#



#25
 Isophorone
 Concen: 29.37 ng
 RT: 7.12 min Scan# 873
 Delta R.T. -0.31 min
 Lab File: BF096972.D
 Acq: 22 Jul 2017 6:02

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#





#27

2,4-Dimethylphenol

Concen: 29.71 ng

RT: 7.70 min Scan# 971

Delta R.T. 0.14 min

Lab File: BF096972.D

Acq: 22 Jul 2017 6:02

Instrument :

BNA_F

ClientSampled :

M-COMB-6

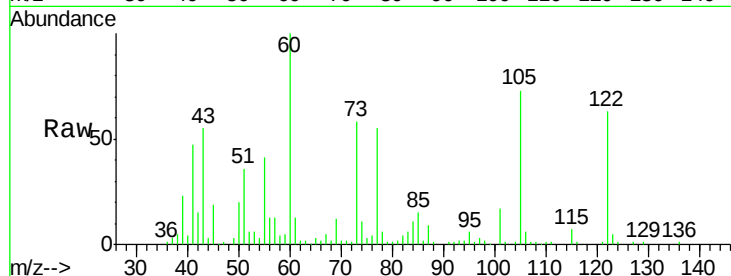
Tot Ion:122 Resp: 216519

Ion Ratio Lower Upper

122 100

107 1.2 89.2 133.8#

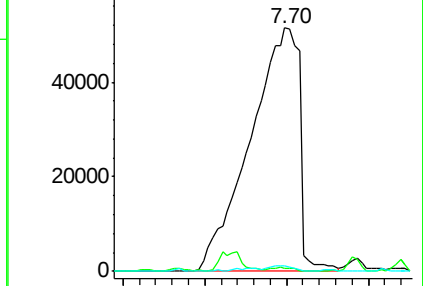
121 2.0 45.2 67.8#



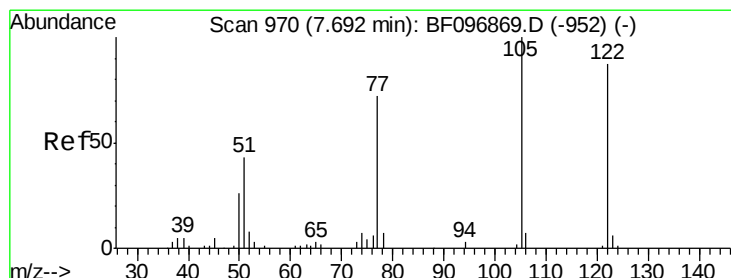
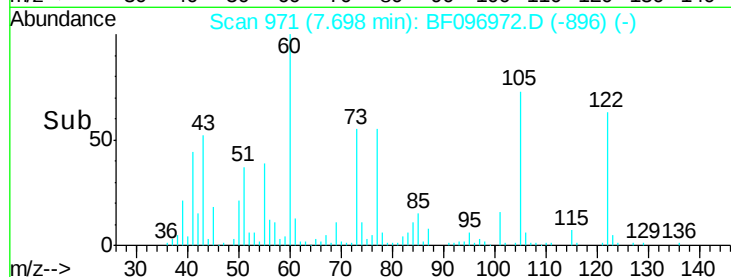
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



Time-->



#32

Benzoic acid

Concen: 46.48 ng

RT: 7.70 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF096972.D

Acq: 22 Jul 2017 6:02

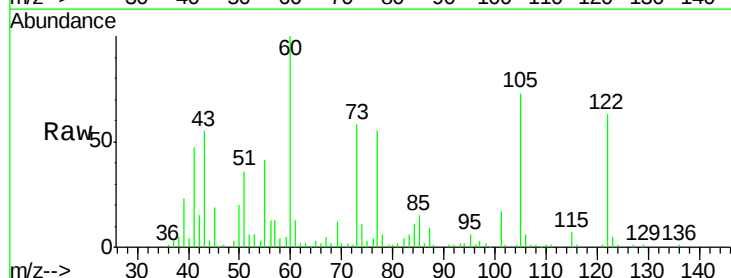
Tgt Ion:122 Resp: 216519

Ion Ratio Lower Upper

122 100

105 116.2 103.3 143.3

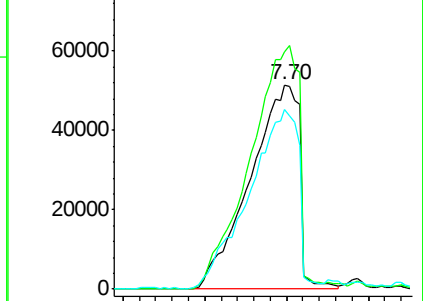
77 88.1 73.7 113.7



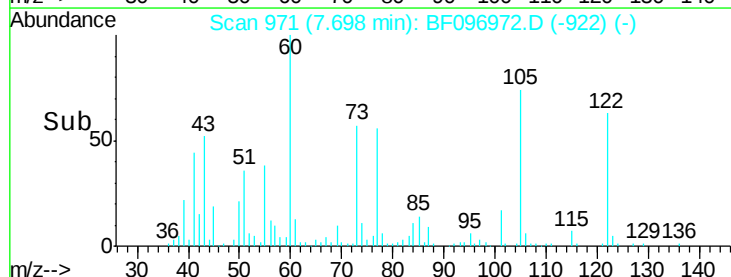
Abundance Ion 122.00 (121.70 to 122.70): E

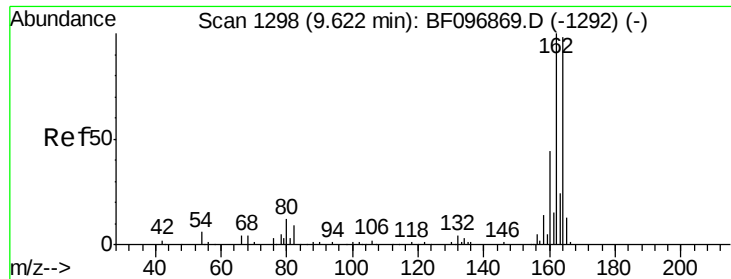
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



Time-->

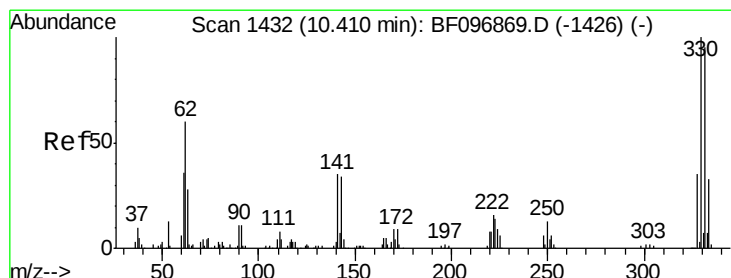
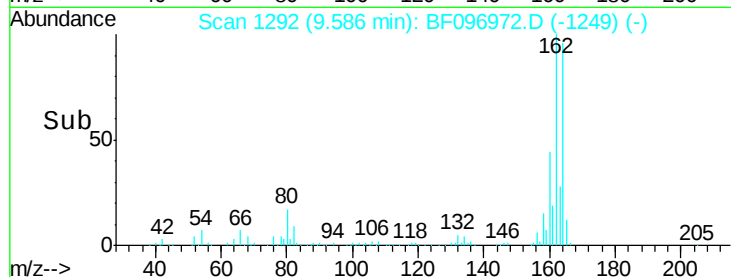
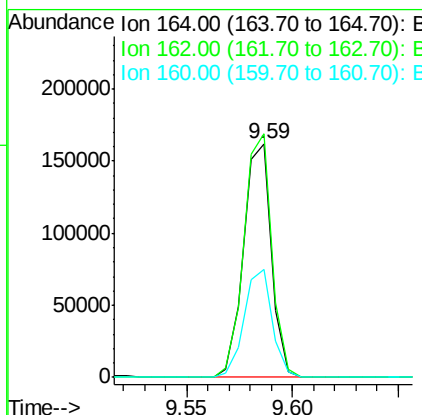
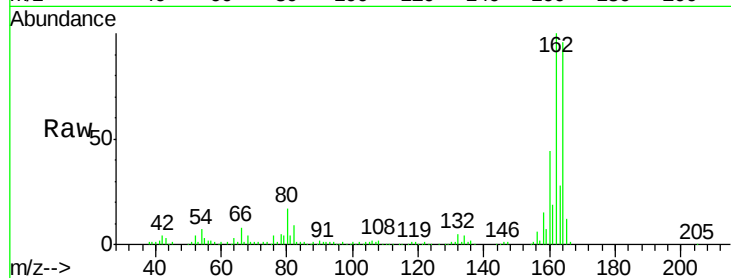




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 1292
 Delta R.T. -0.05 min
 Lab File: BF096972.D
 Acq: 22 Jul 2017 6:02

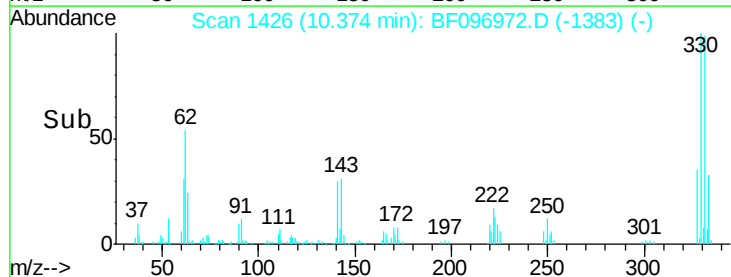
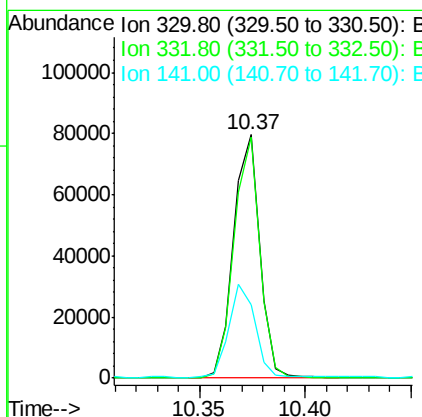
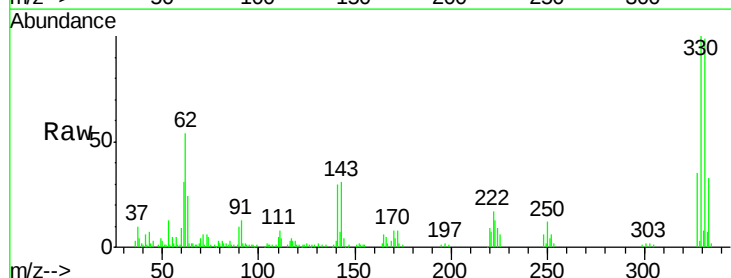
Instrument :
 BNA_F
 ClientSampleId :
 M-COMB-6

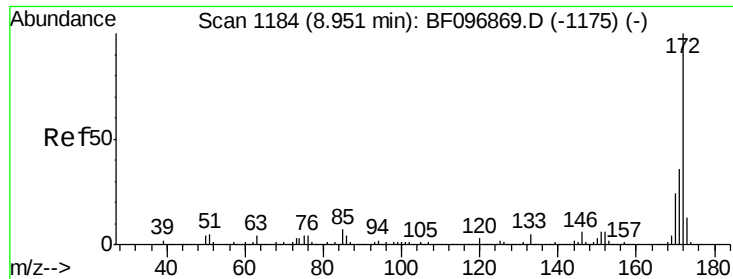
Tot Ion:164 Resp: 148464
 Ion Ratio Lower Upper
 164 100
 162 104.3 82.6 123.8
 160 46.1 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 53.99 ng
 RT: 10.37 min Scan# 1426
 Delta R.T. -0.05 min
 Lab File: BF096972.D
 Acq: 22 Jul 2017 6:02

Tgt Ion:330 Resp: 68416
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 115.0
 141 39.5 31.4 47.2

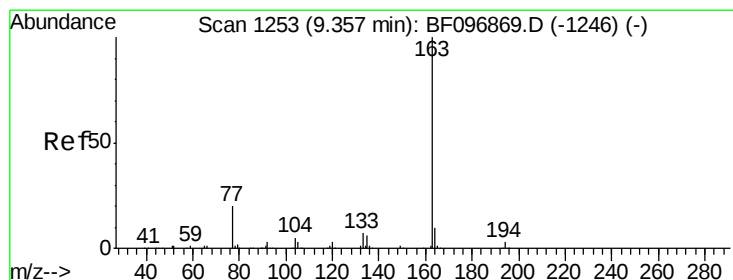
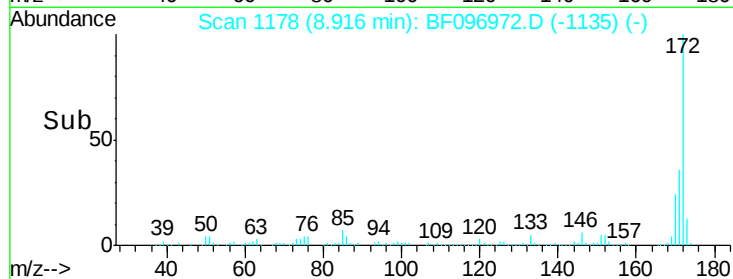
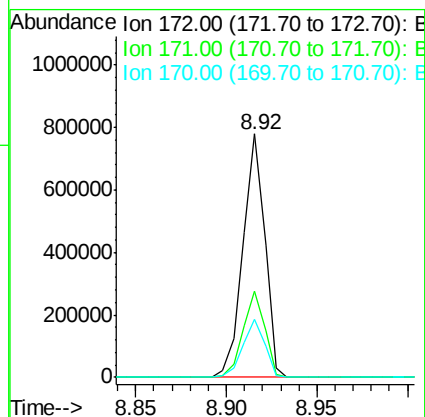
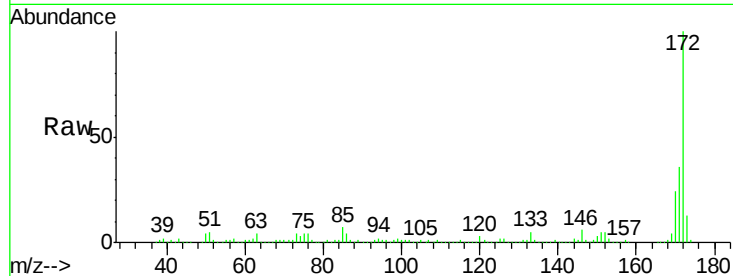




#44
2-Fluorobiphenyl
Concen: 69.41 ng
RT: 8.92 min Scan# 1178
Delta R.T. -0.05 min
Lab File: BF096972.D
Acq: 22 Jul 2017 6:02

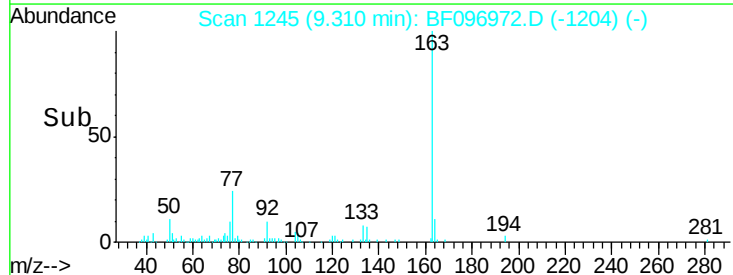
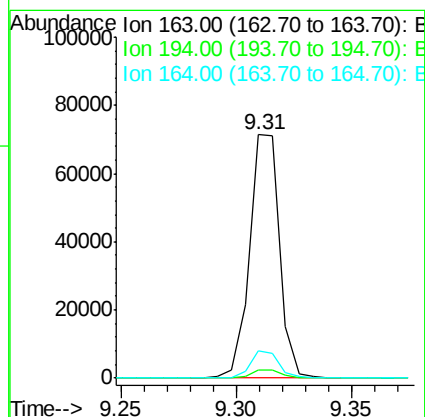
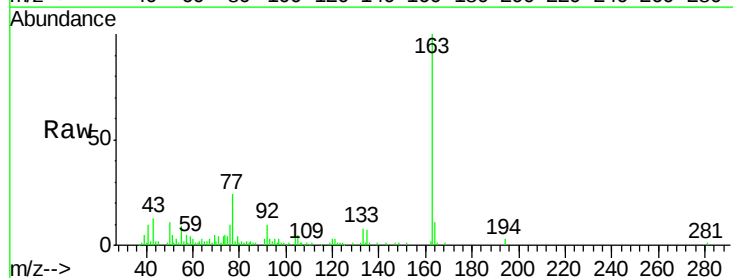
Instrument :
BNA_F
ClientSampled :
M-COMB-6

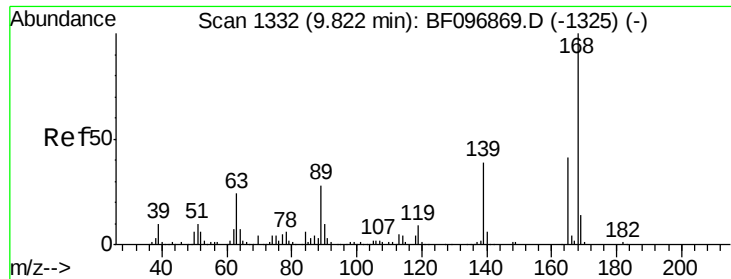
Tot Ion:172 Resp: 652211
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 23.8 19.8 29.8



#49
Dimethylphthalate
Concen: 5.79 ng
RT: 9.31 min Scan# 1245
Delta R.T. -0.06 min
Lab File: BF096972.D
Acq: 22 Jul 2017 6:02

Tgt Ion:163 Resp: 64765
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 11.0 8.4 12.6

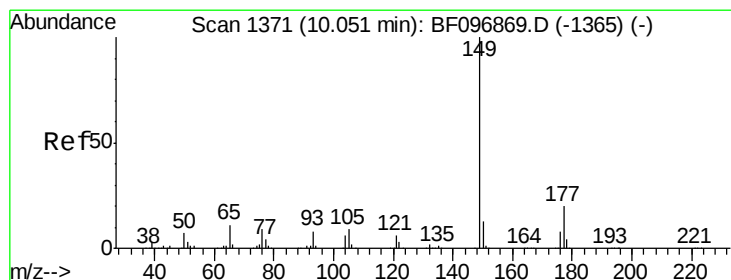
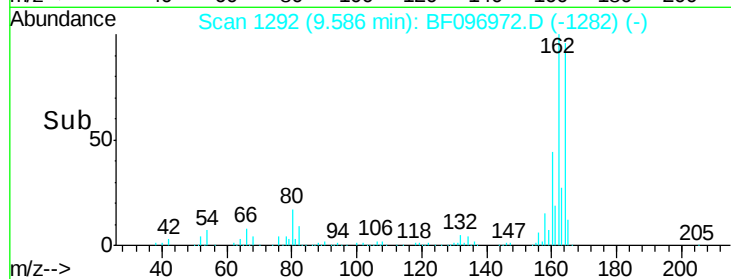
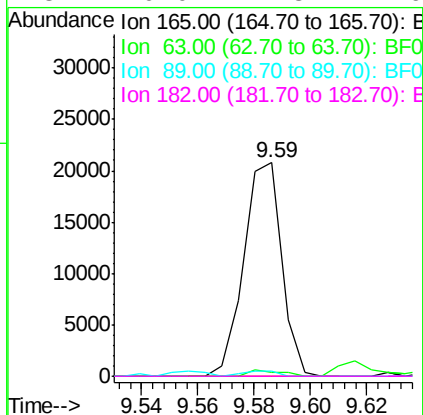
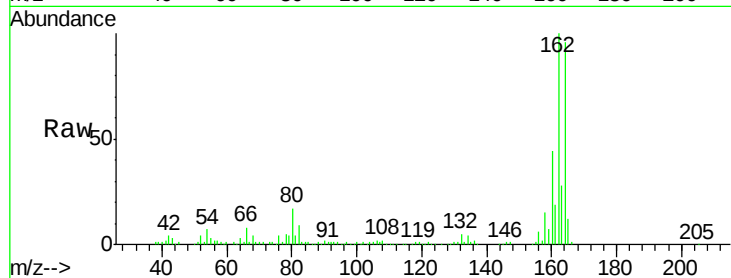




#56
 2,4-Dinitrotoluene
 Concen: 6.24 ng
 RT: 9.59 min Scan# 1292
 Delta R.T. -0.24 min
 Lab File: BF096972.D
 Acq: 22 Jul 2017 6:02

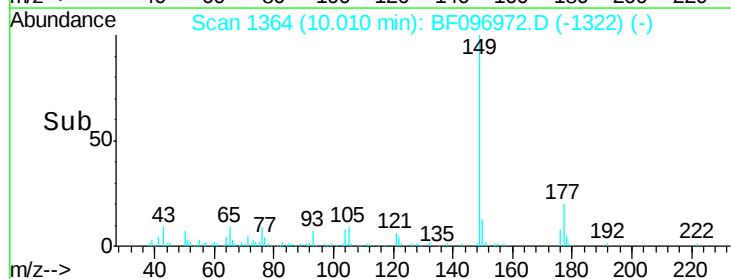
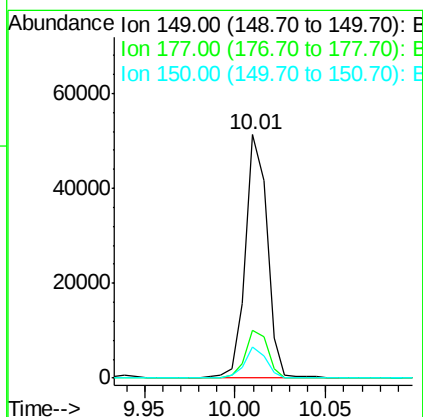
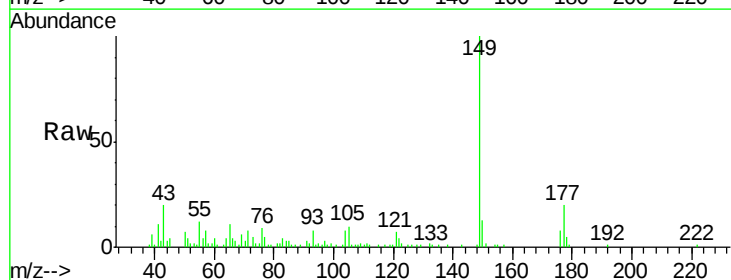
Instrument :
 BNA_F
 ClientSampleId :
 M-COMB-6

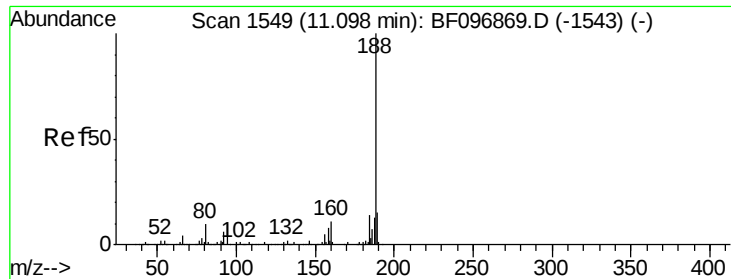
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	25.4	38.0#
89	2.2	46.4	69.6#
182	0.0	1.8	2.6#



#59
 Diethylphthalate
 Concen: 3.94 ng
 RT: 10.01 min Scan# 1364
 Delta R.T. -0.05 min
 Lab File: BF096972.D
 Acq: 22 Jul 2017 6:02

Tgt Ion	Ratio	Lower	Upper
149	100		
177	19.9	16.7	25.1
150	12.7	10.2	15.2

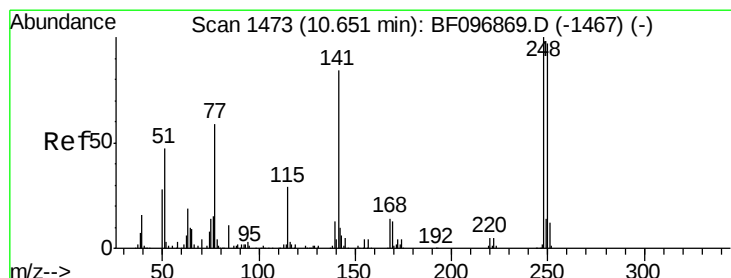
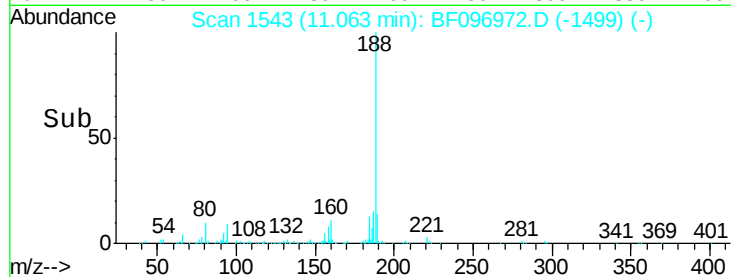
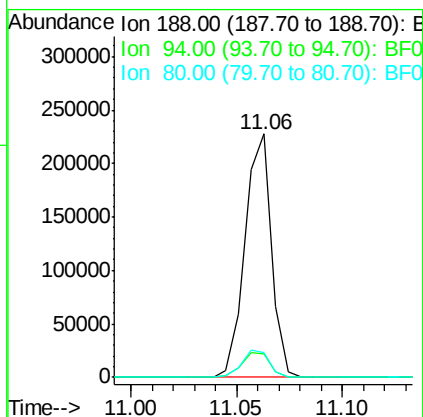
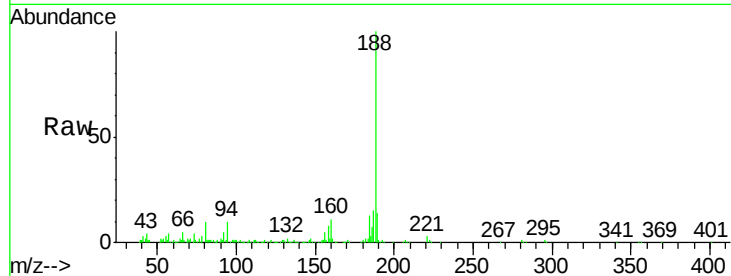




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 1543
Delta R.T. -0.04 min
Lab File: BF096972.D
Acq: 22 Jul 2017 6:02

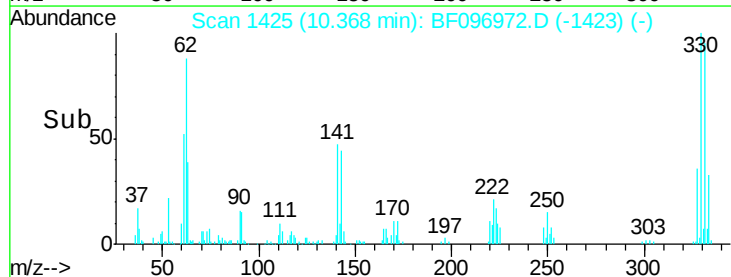
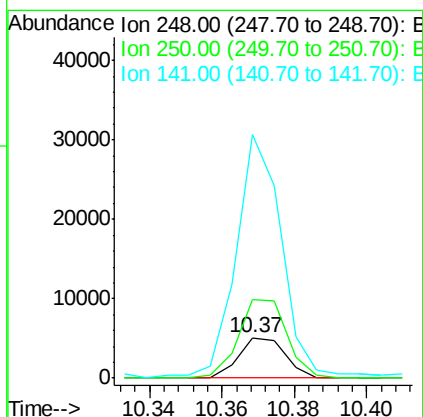
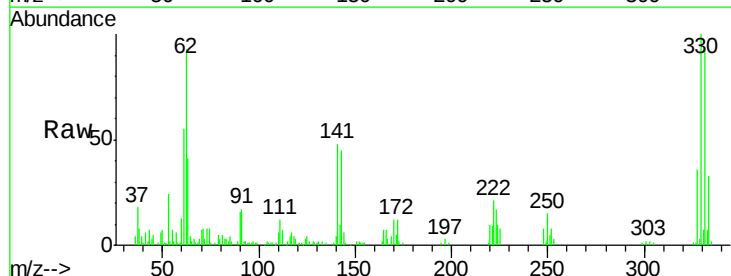
Instrument :
BNA_F
ClientSampleId :
M-COMB-6

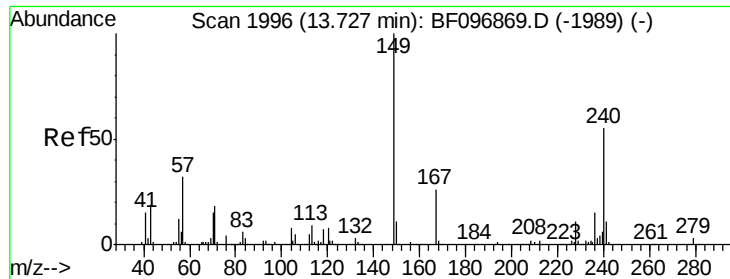
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.5	9.4	14.2
80	10.2	10.2	15.2



#66
4-Bromophenyl-phenylether
Concen: 2.24 ng
RT: 10.37 min Scan# 1425
Delta R.T. -0.29 min
Lab File: BF096972.D
Acq: 22 Jul 2017 6:02

Tgt Ion	Ratio	Lower	Upper
248	100		
250	195.2	76.8	115.2#
141	605.3	68.6	103.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.69 min Scan# 1990

Delta R.T. -0.04 min

Lab File: BF096972.D

Acq: 22 Jul 2017 6:02

Instrument :

BNA_F

ClientSampleId :

M-COMB-6

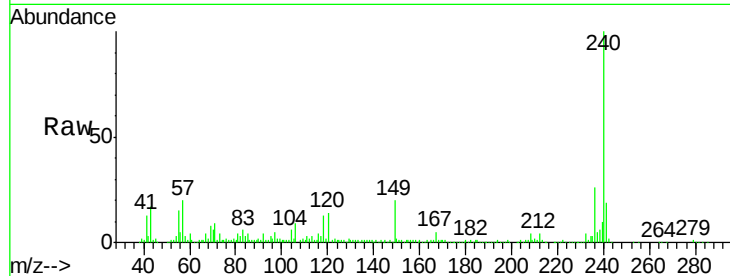
Tot Ion:240 Resp: 231689

Ion Ratio Lower Upper

240 100

120 13.6 5.8 8.8#

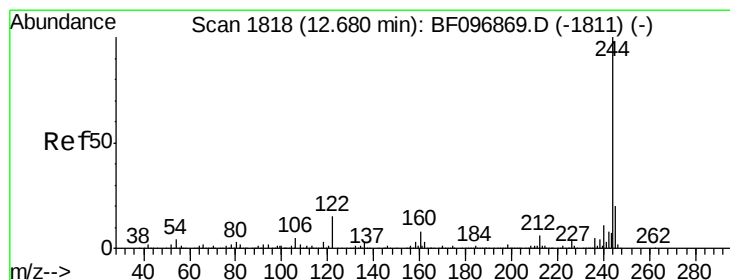
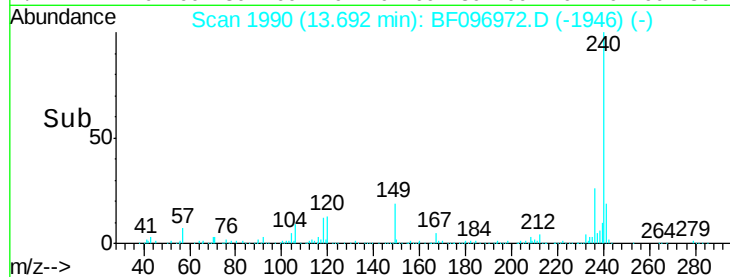
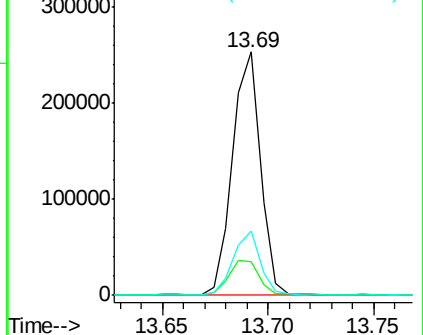
236 26.4 20.5 30.7



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: 28.93 ng

RT: 12.65 min Scan# 1813

Delta R.T. -0.04 min

Lab File: BF096972.D

Acq: 22 Jul 2017 6:02

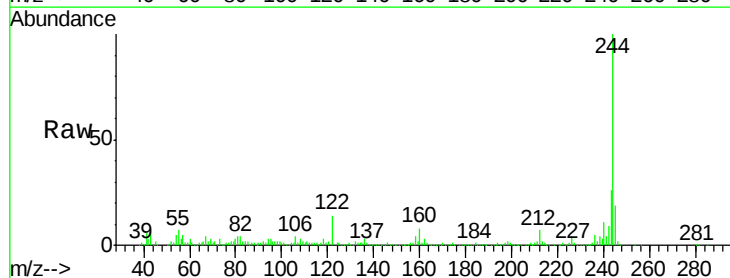
Tgt Ion:244 Resp: 386428

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

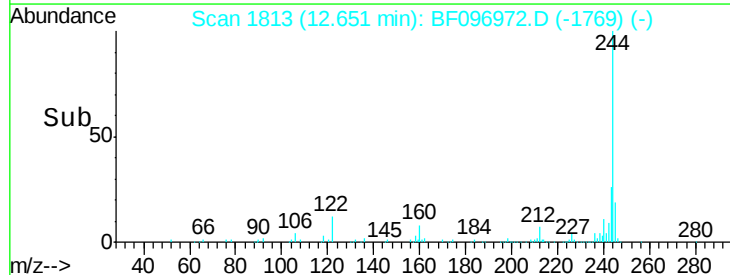
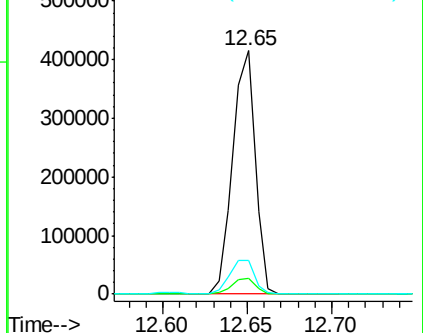
122 13.7 10.3 15.5

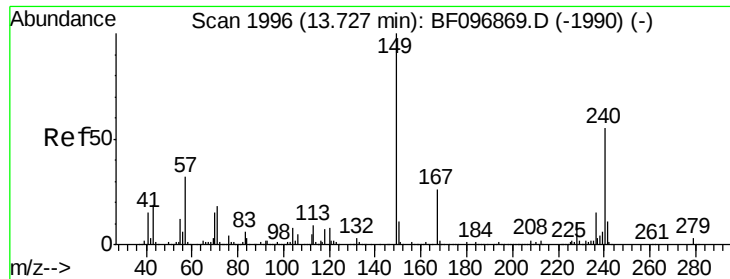


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

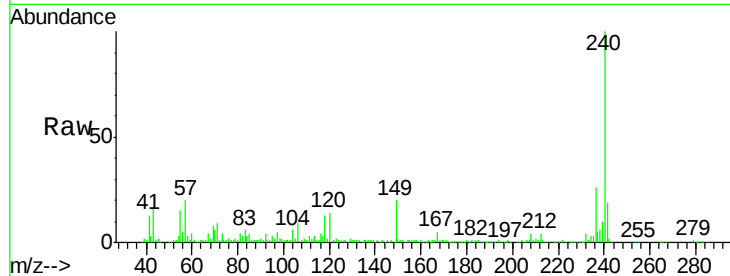




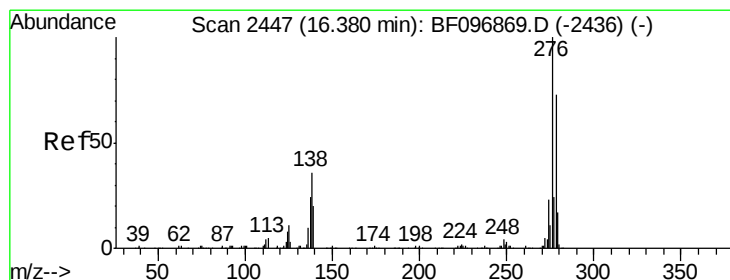
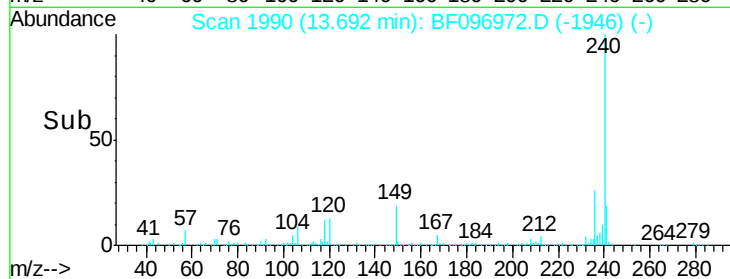
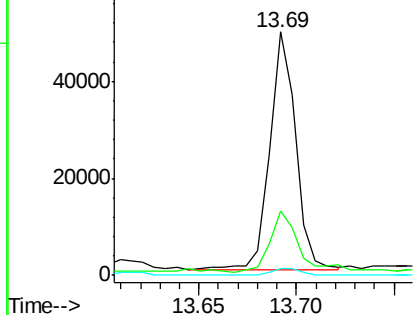
#83
Bis(2-ethylhexyl)phthalate
Concen: 3.68 ng
RT: 13.69 min Scan# 1990
Delta R.T. -0.04 min
Lab File: BF096972.D
Acq: 22 Jul 2017 6:02

Instrument :
BNA_F
ClientSampleId :
M-COMB-6

Tot Ion:149 Resp: 44786
Ion Ratio Lower Upper
149 100
167 26.6 21.0 31.4
279 3.0 1.9 2.9#

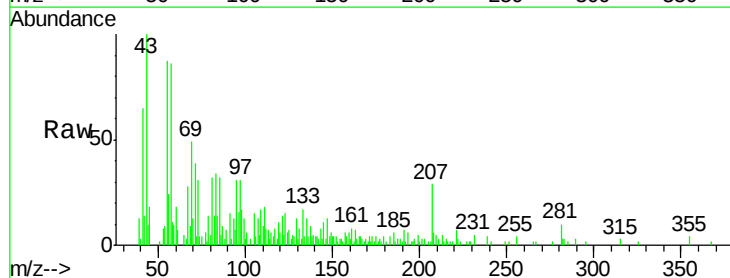


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

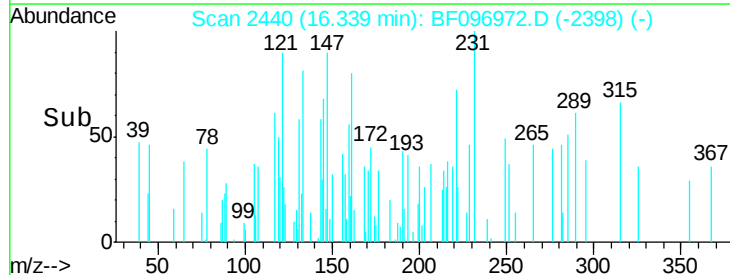
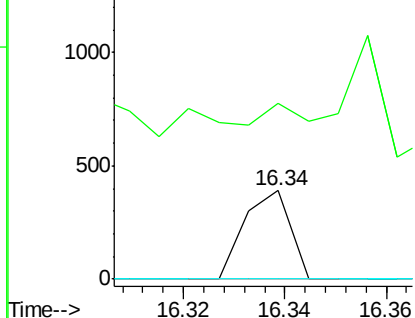


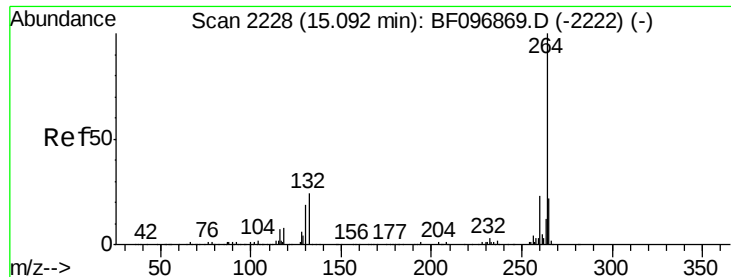
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.35 ng
RT: 16.34 min Scan# 2440
Delta R.T. -0.05 min
Lab File: BF096972.D
Acq: 22 Jul 2017 6:02

Tgt Ion:276 Resp: 244
Ion Ratio Lower Upper
276 100
138 100.0 27.8 41.6#
277 0.0 20.2 30.4#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

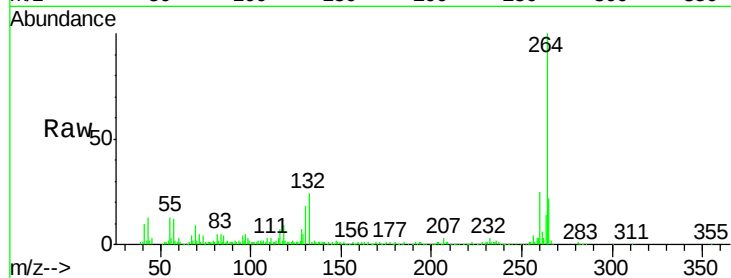




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.06 min Scan# 2222
 Delta R.T. -0.05 min
 Lab File: BF096972.D
 Acq: 22 Jul 2017 6:02

Instrument :
 BNA_F
 ClientSampleId :
 M-COMB-6

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.5	29.3
265	22.2	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

