

Data File : BF096970.D
Acq On : 22 Jul 2017 5:06
Operator : SJ/JU
Sample : I4274-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-COMB-4

Quant Time: Jul 22 05:50:57 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	110757	20.00	ng	-0.04
21) Naphthalene-d8	7.84	136	397000	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	110697	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	213755	20.00	ng	-0.05
75) Chrysene-d12	13.69	240	219004	20.00	ng	-0.04
86) Perylene-d12	15.06	264	194018	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	181872	24.69	ng	-0.04
7) Phenol-d6	6.21	99	132822	15.03	ng	-0.04
23) Nitrobenzene-d5	7.12	82	374813	58.48	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	56480	59.77	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	591227	84.38	ng	-0.05
78) Terphenyl-d14	12.65	244	422315	33.44	ng	-0.04

Target Compounds				Qvalue		
10) Phenol	6.23	94	114524	11.46	ng	89
15) Benzyl Alcohol	6.71	79	173614	30.00	ng	98
17) 2-Methylphenol	6.71	107	93434	15.12	ng	# 1
19) n-Nitroso-di-n-propylamine	6.98	70	17440	3.27	ng	# 62
20) 3+4-Methylphenols	6.99	107	622340	82.99	ng	# 57
25) Isophorone	7.12	82	363560	30.49	ng	# 67
27) 2,4-Dimethylphenol	7.31	122	98643	16.27	ng	# 5
32) Benzoic acid	7.73	122	47241	12.19	ng	96
49) Dimethylphthalate	9.31	163	64398	7.73	ng	98
53) 2,4-Dinitrophenol	9.58	184	1429	8.20	ng	# 49
59) Diethylphthalate	10.02	149	1292323	159.27	ng	99
61) 4-Nitroaniline	10.17	138	4922	2.45	ng	# 29
83) Bis(2-ethylhexyl)phthalate	13.69	149	51789	4.50	ng	96
85) Indeno(1,2,3-cd)pyrene	16.42	276	119	3.34	ng	# 44

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

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M-COMB-4

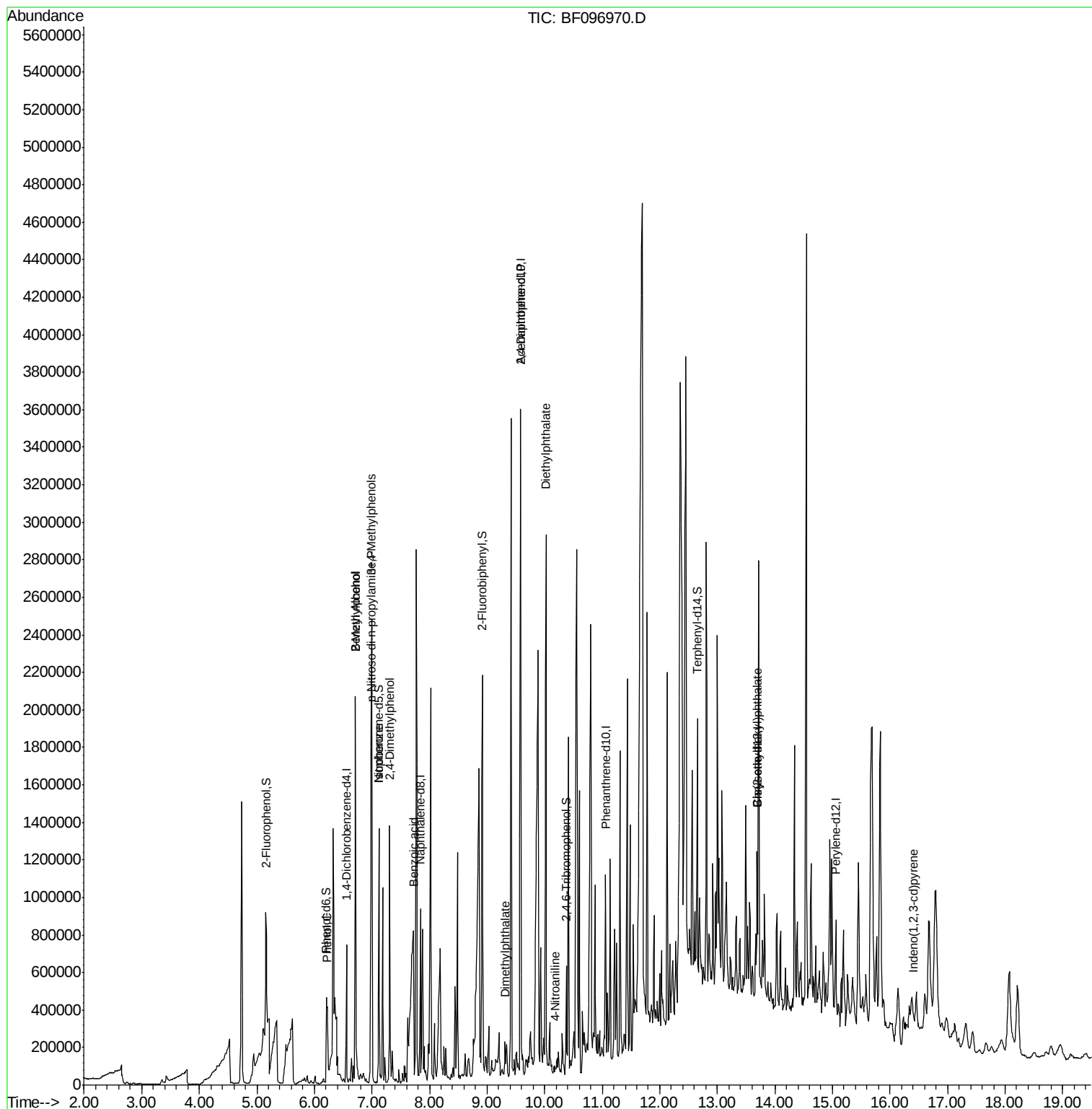
Quant Time: Jul 22 05:50:57 2017

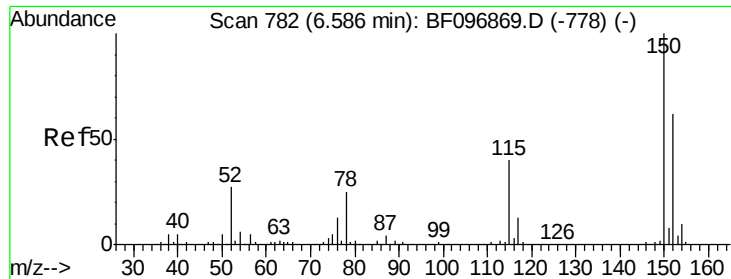
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M

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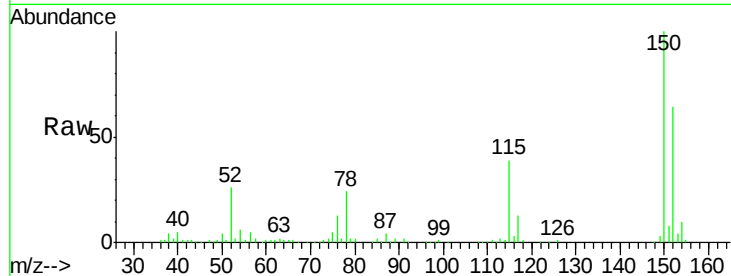




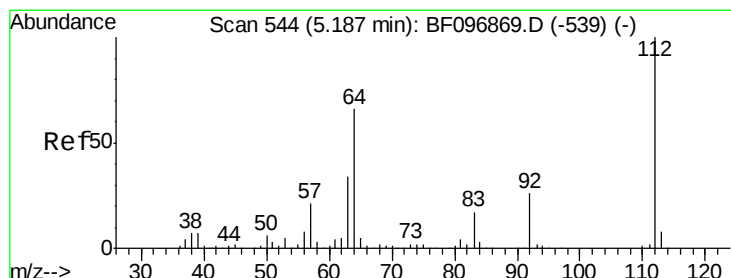
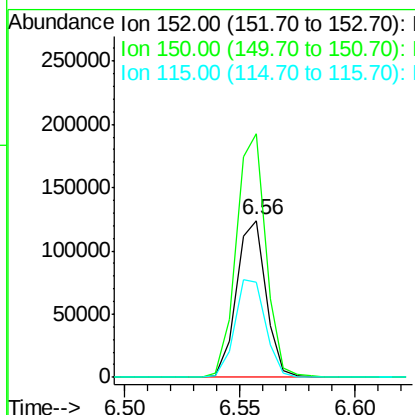
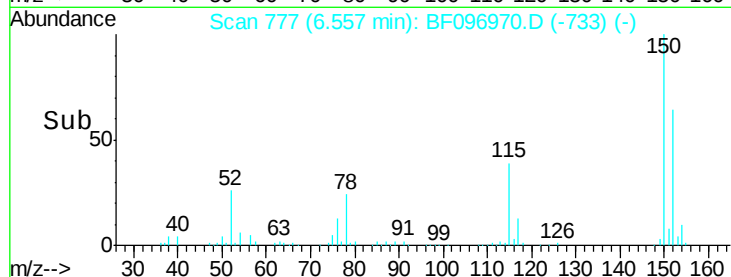
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.56 min Scan# 777
 Delta R.T. -0.04 min
 Lab File: BF096970.D
 Acq: 22 Jul 2017 5:06

Instrument :
 BNA_F
 ClientSampleId :
 M-COMB-4

Tgt Ion:152 Resp: 110757
 Ion Ratio Lower Upper
 152 100
 150 155.1 126.2 189.2
 115 60.8 52.2 78.2

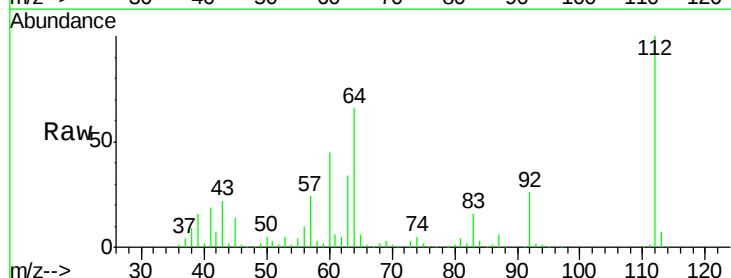


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

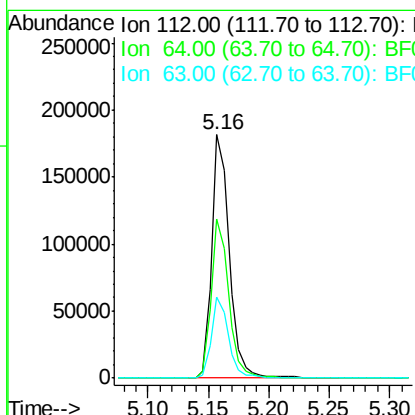
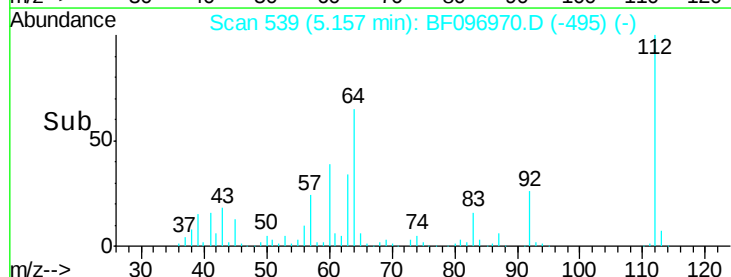


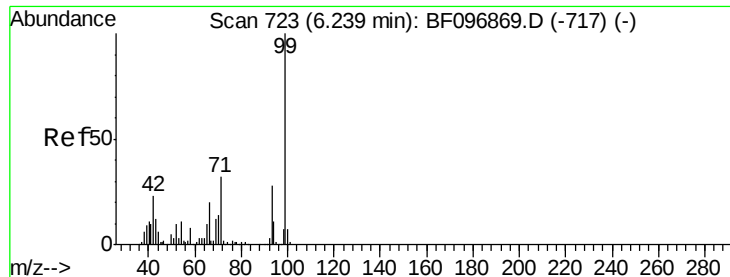
#5
 2-Fluorophenol
 Concen: 24.69 ng
 RT: 5.16 min Scan# 539
 Delta R.T. -0.04 min
 Lab File: BF096970.D
 Acq: 22 Jul 2017 5:06

Tgt Ion:112 Resp: 181872
 Ion Ratio Lower Upper
 112 100
 64 65.5 46.0 69.0
 63 33.5 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: 15.03 ng

RT: 6.21 min Scan# 718

Delta R.T. -0.04 min

Lab File: BF096970.D

Acq: 22 Jul 2017 5:06

Instrument :

BNA_F

ClientSampleId :

M-COMB-4

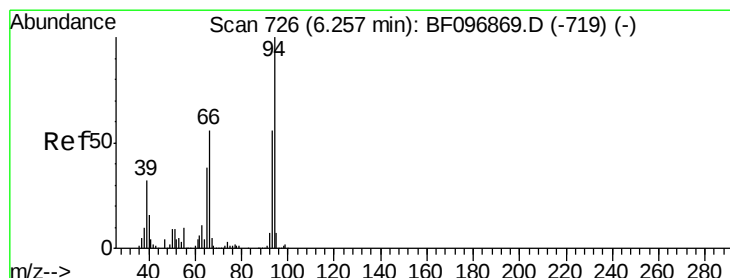
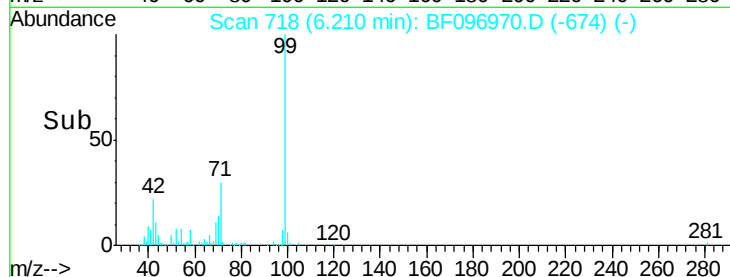
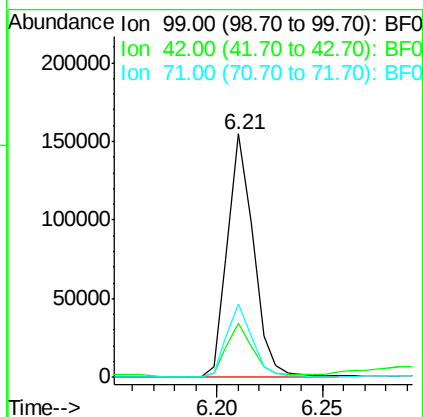
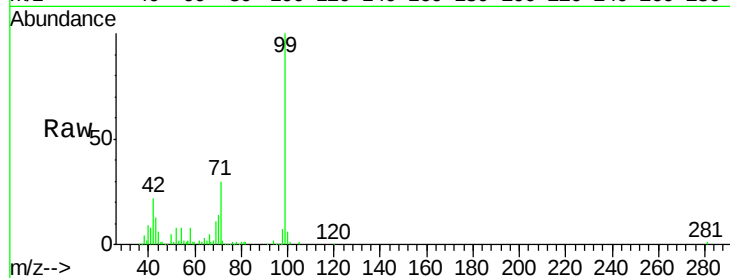
Tgt Ion: 99 Resp: 132822

Ion Ratio Lower Upper

99 100

42 22.0 13.5 20.3#

71 30.3 24.5 36.7



#10

Phenol

Concen: 11.46 ng

RT: 6.23 min Scan# 721

Delta R.T. -0.04 min

Lab File: BF096970.D

Acq: 22 Jul 2017 5:06

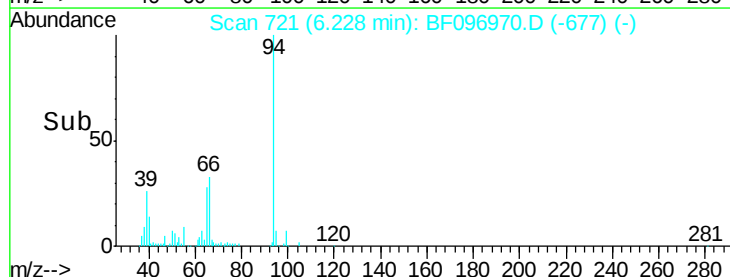
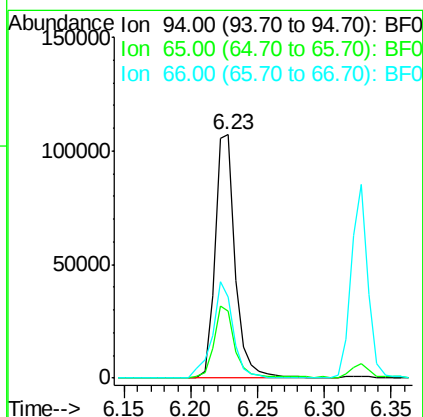
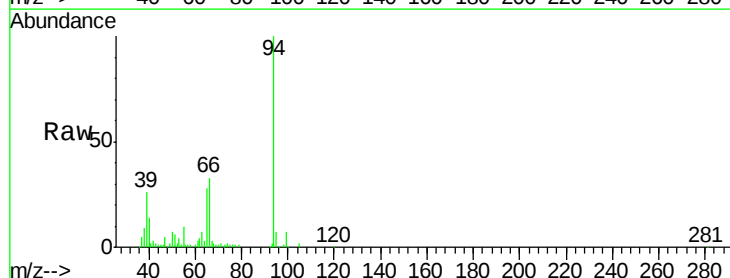
Tgt Ion: 94 Resp: 114524

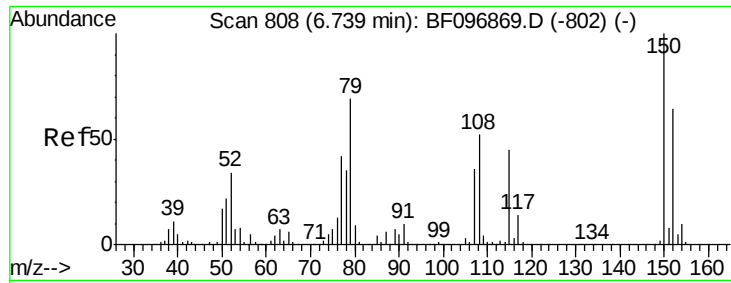
Ion Ratio Lower Upper

94 100

65 27.6 9.9 49.9

66 33.2 23.1 63.1

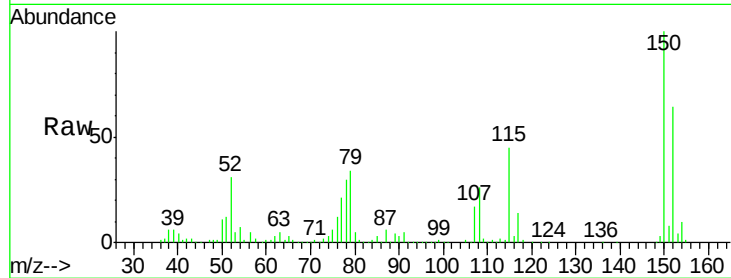




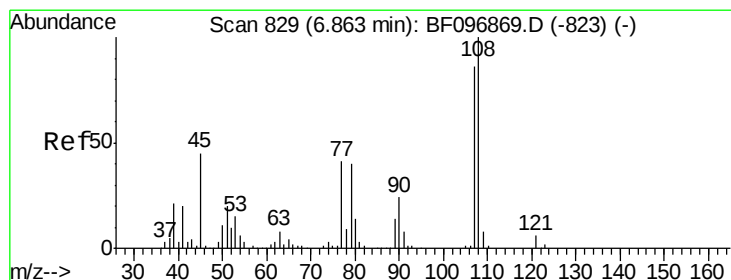
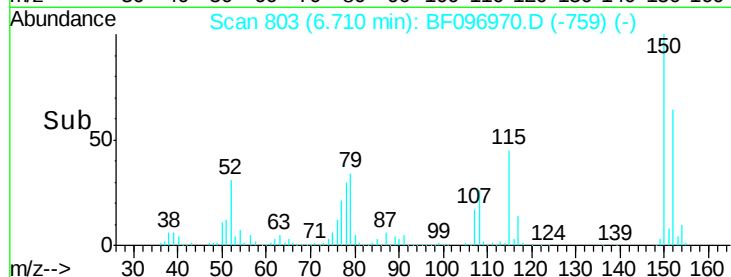
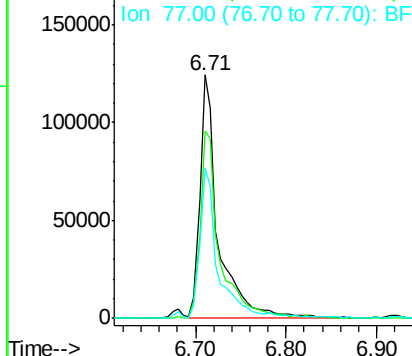
#15
Benzyl Alcohol
Concen: 30.00 ng
RT: 6.71 min Scan# 803
Delta R.T. -0.04 min
Lab File: BF096970.D
Acq: 22 Jul 2017 5:06

Instrument :
BNA_F
ClientSampleId :
M-COMB-4

Tgt Ion: 79 Resp: 173614
Ion Ratio Lower Upper
79 100
108 76.9 63.4 95.0
77 61.9 49.2 73.8

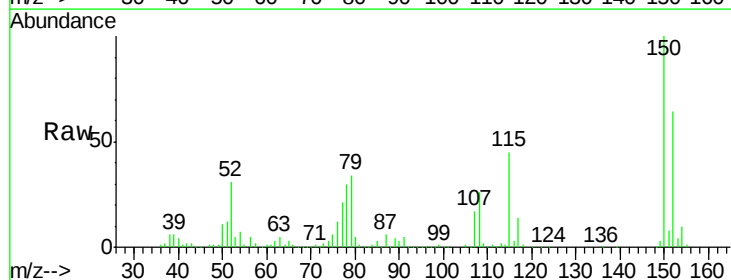


Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0

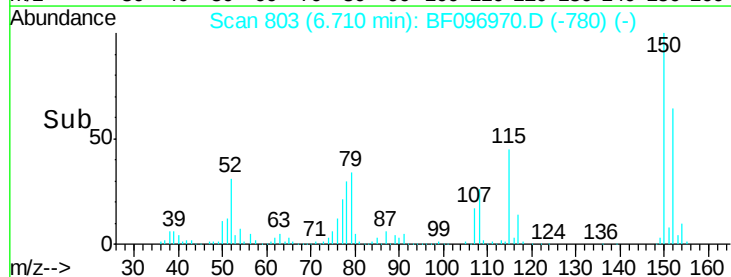
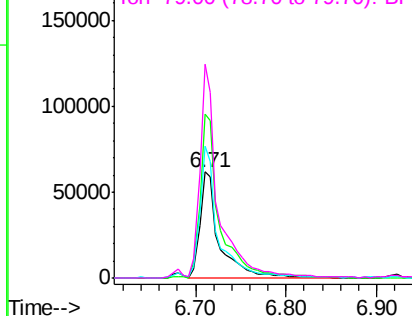


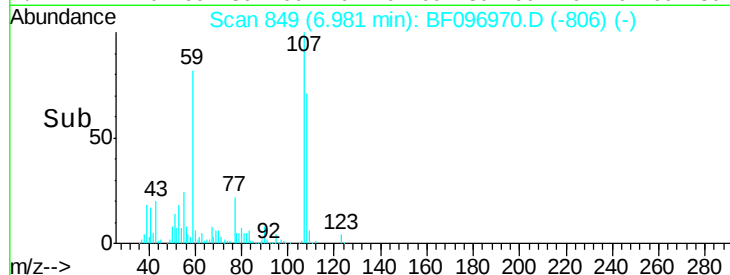
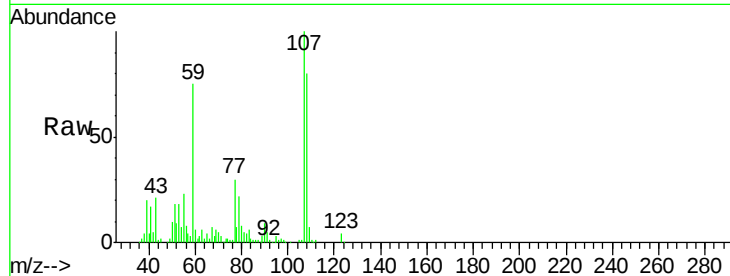
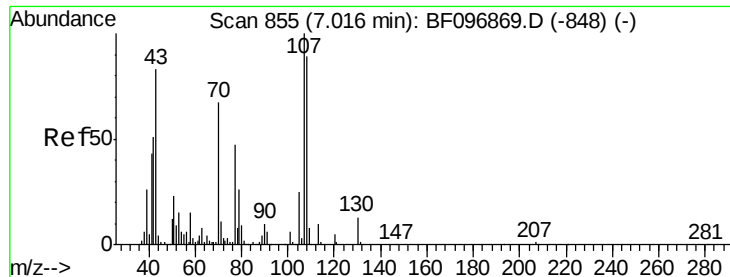
#17
2-Methylphenol
Concen: 15.12 ng
RT: 6.71 min Scan# 803
Delta R.T. -0.16 min
Lab File: BF096970.D
Acq: 22 Jul 2017 5:06

Tgt Ion: 107 Resp: 93434
Ion Ratio Lower Upper
107 100
108 155.5 93.4 140.0#
77 125.1 35.8 53.6#
79 202.0 34.8 52.2#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

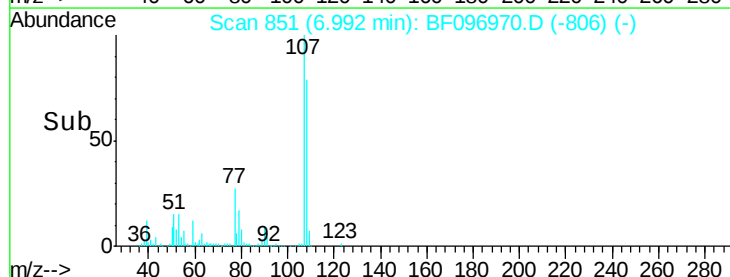
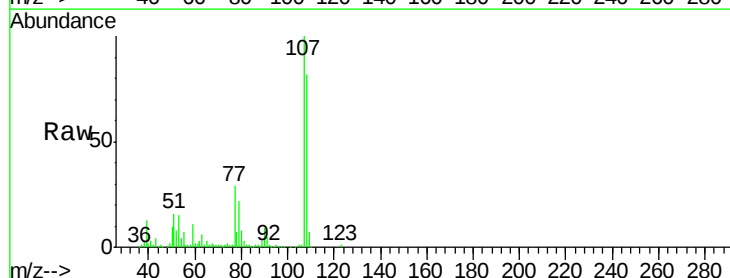
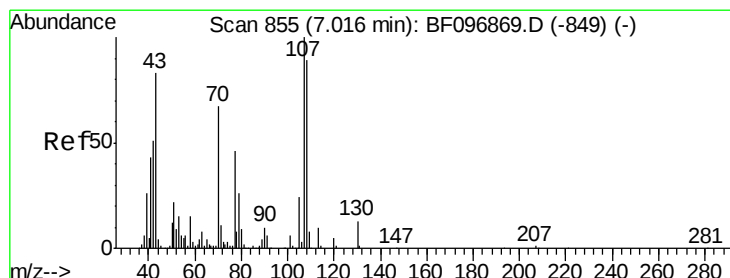
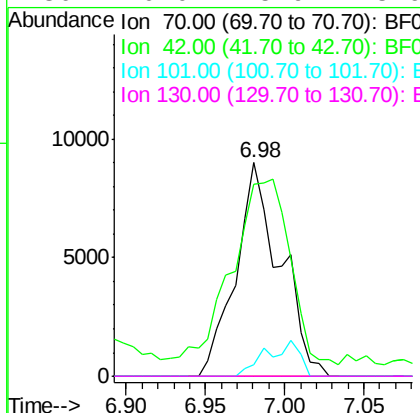




#19
n-Nitroso-di-n-propylamine
Concen: 3.27 ng
RT: 6.98 min Scan# 849
Delta R.T. -0.05 min
Lab File: BF096970.D
Acq: 22 Jul 2017 5:06

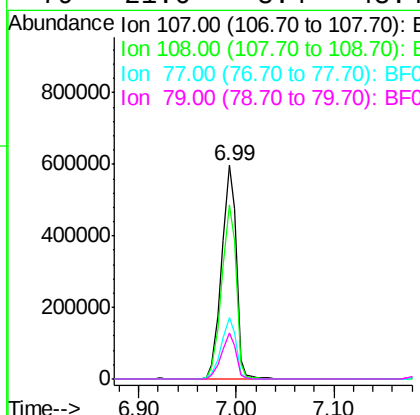
Instrument :
BNA_F
ClientSampleId :
M-COMB-4

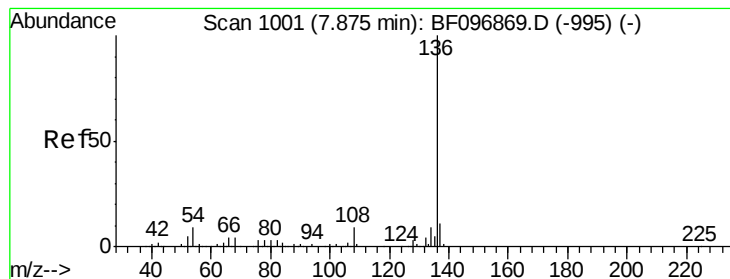
Tgt Ion:	70	Resp:	17440
Ion Ratio	Lower	Upper	
70	100		
42	89.9	47.2	70.8#
101	5.3	7.2	10.8#
130	0.0	15.9	23.9#



#20
3+4-Methylphenols
Concen: 82.99 ng
RT: 6.99 min Scan# 851
Delta R.T. -0.04 min
Lab File: BF096970.D
Acq: 22 Jul 2017 5:06

Tgt Ion:	107	Resp:	622340
Ion Ratio	Lower	Upper	
107	100		
108	81.5	71.0	111.0
77	28.9	90.5	130.5#
79	21.6	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: BF096970.D

Acq: 22 Jul 2017 5:06

Instrument :

BNA_F

ClientSampleId :

M-COMB-4

Tgt Ion: 136 Resp: 397000

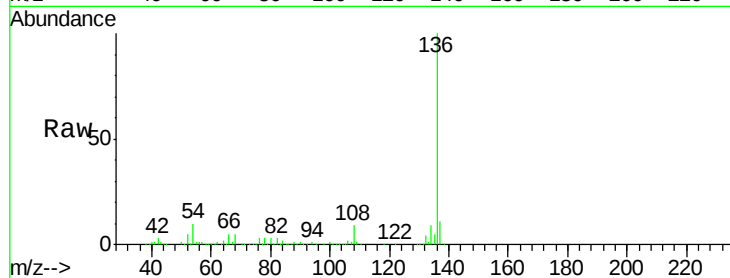
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 10.2 4.9 7.3#

68 4.9 4.1 6.1

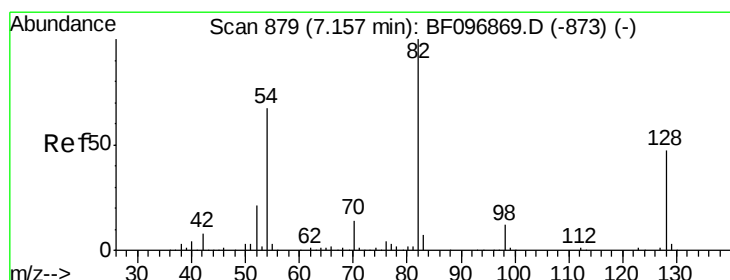
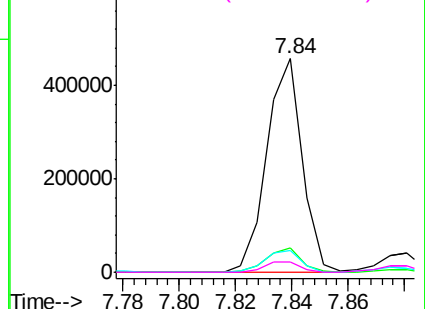
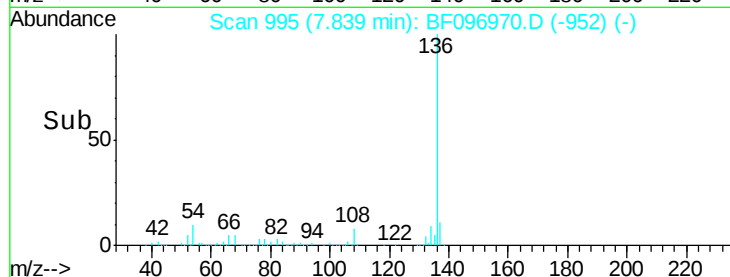


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.48 ng

RT: 7.12 min Scan# 873

Delta R.T. -0.05 min

Lab File: BF096970.D

Acq: 22 Jul 2017 5:06

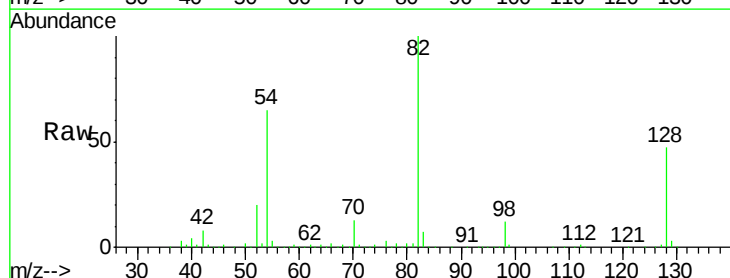
Tgt Ion: 82 Resp: 374813

Ion Ratio Lower Upper

82 100

128 46.8 34.0 51.0

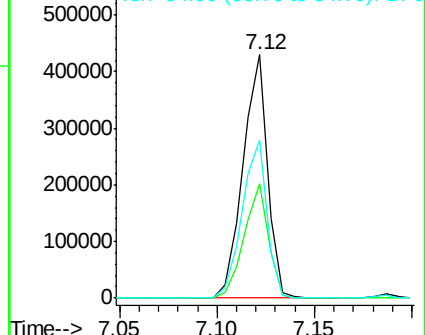
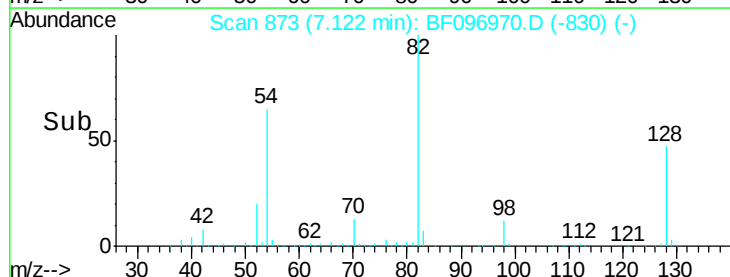
54 65.0 42.2 63.2#

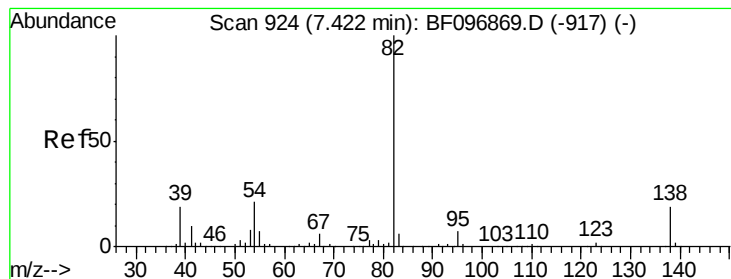


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 30.49 ng

RT: 7.12 min Scan# 873

Delta R.T. -0.31 min

Lab File: BF096970.D

Acq: 22 Jul 2017 5:06

Instrument :

BNA_F

ClientSampleId :

M-COMB-4

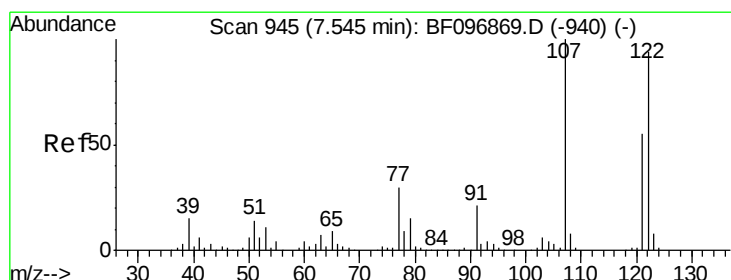
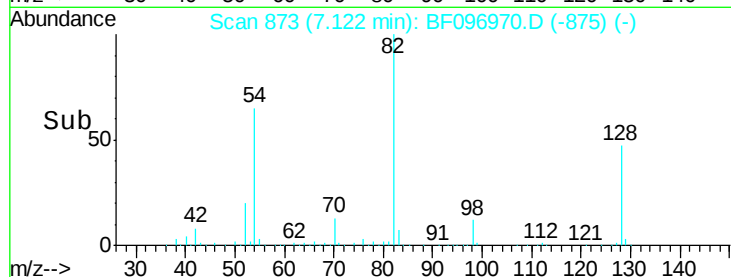
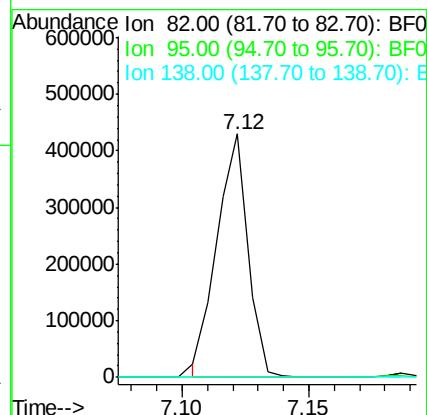
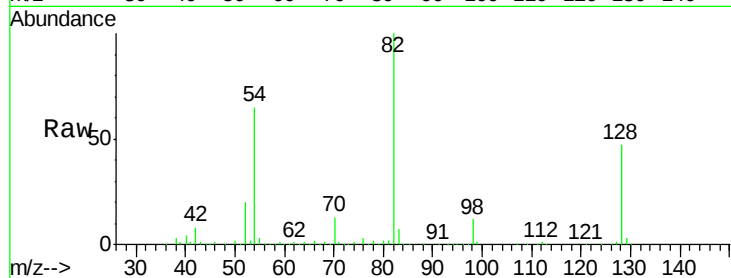
Tgt Ion: 82 Resp: 363560

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

138 0.0 13.1 19.7#



#27

2,4-Dimethylphenol

Concen: 16.27 ng

RT: 7.31 min Scan# 905

Delta R.T. -0.25 min

Lab File: BF096970.D

Acq: 22 Jul 2017 5:06

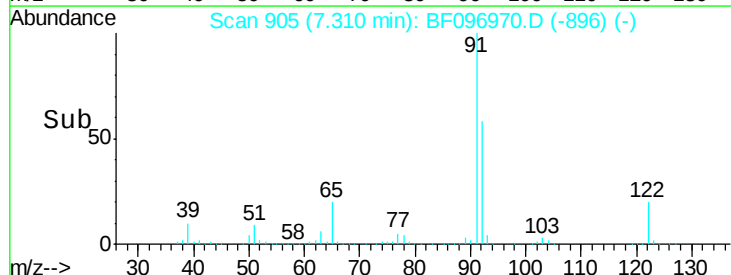
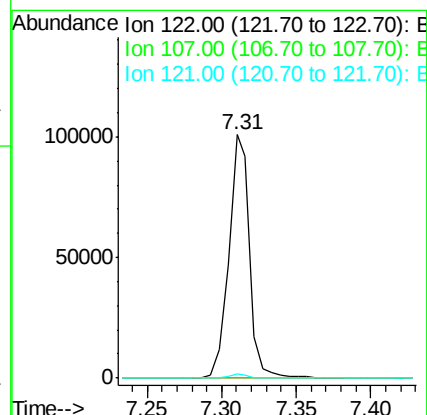
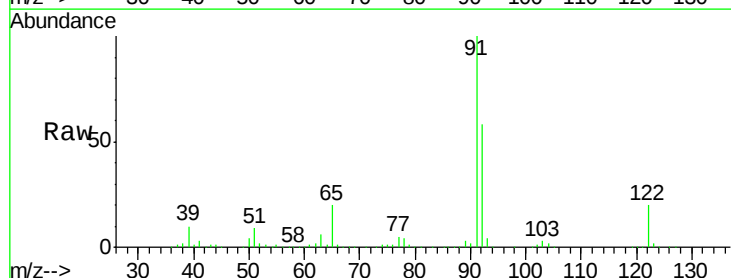
Tgt Ion: 122 Resp: 98643

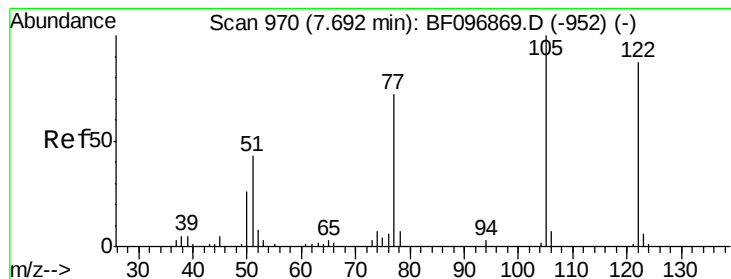
Ion Ratio Lower Upper

122 100

107 0.0 89.2 133.8#

121 1.6 45.2 67.8#





#32

Benzoic acid

Concen: 12.19 ng

RT: 7.73 min Scan# 976

Delta R.T. 0.02 min

Lab File: BF096970.D

Acq: 22 Jul 2017 5:06

Instrument :

BNA_F

ClientSampleId :

M-COMB-4

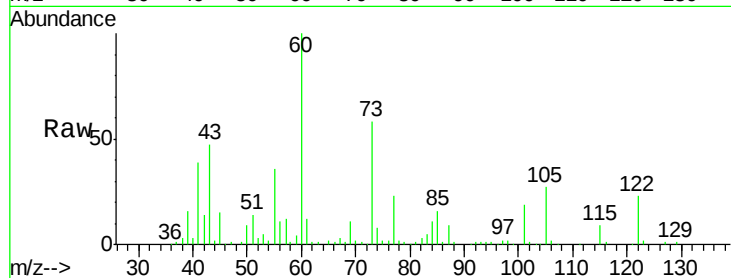
Tgt Ion:122 Resp: 47241

Ion Ratio Lower Upper

122 100

105 120.2 103.3 143.3

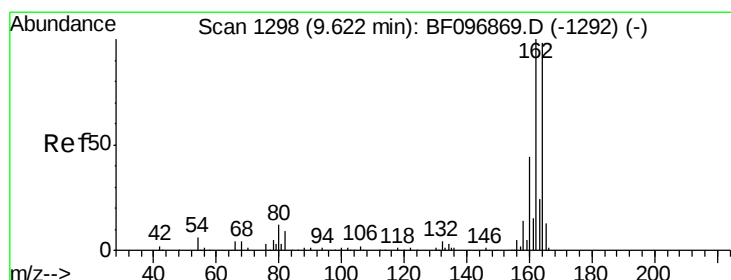
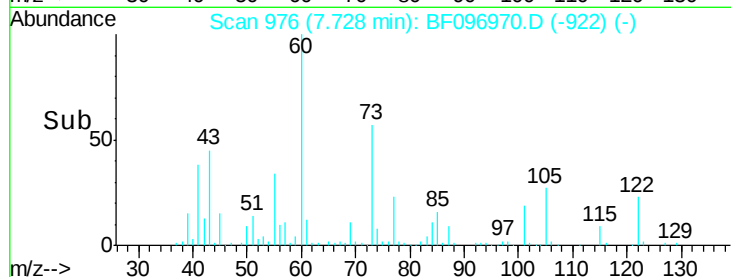
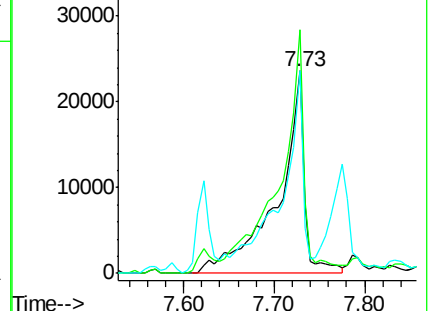
77 99.8 73.7 113.7



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 1292

Delta R.T. -0.05 min

Lab File: BF096970.D

Acq: 22 Jul 2017 5:06

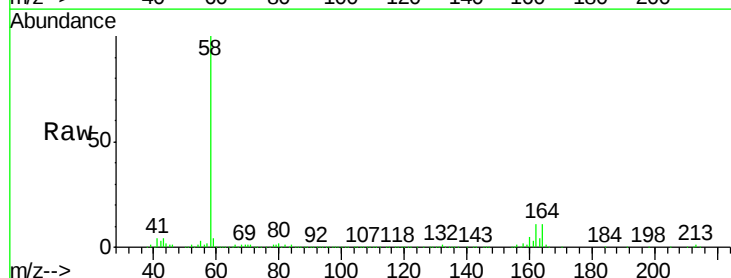
Tgt Ion:164 Resp: 110697

Ion Ratio Lower Upper

164 100

162 105.6 82.6 123.8

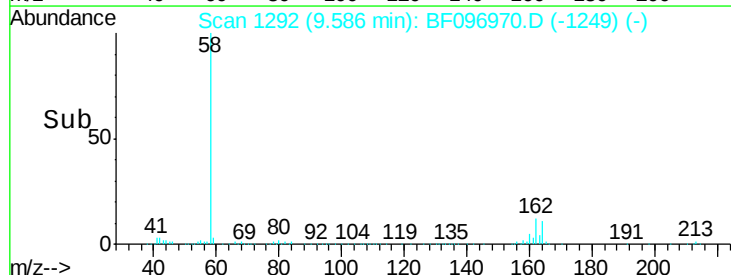
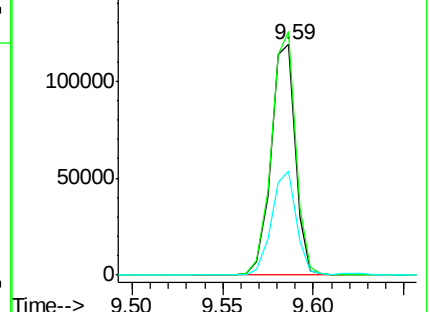
160 45.3 36.2 54.2

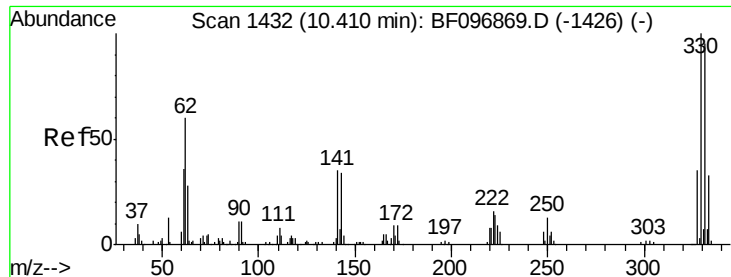


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

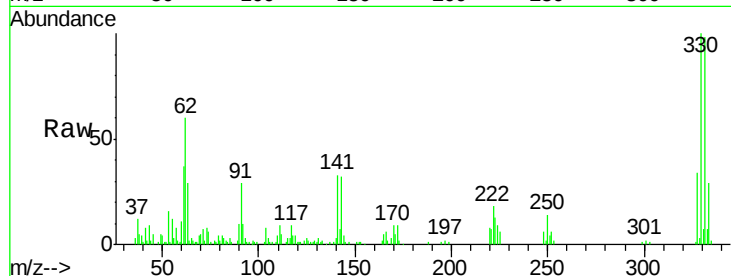




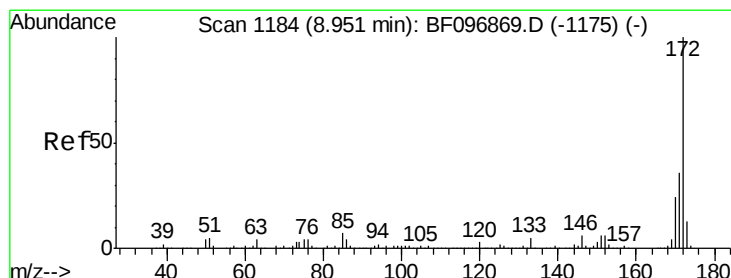
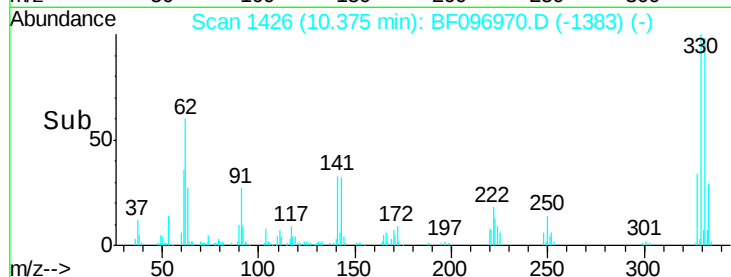
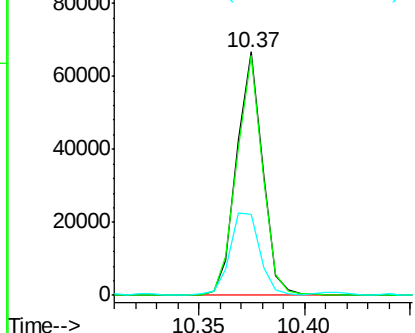
#41
 2,4,6-Tribromophenol
 Concen: 59.77 ng
 RT: 10.37 min Scan# 1426
 Delta R.T. -0.05 min
 Lab File: BF096970.D
 Acq: 22 Jul 2017 5:06

Instrument :
 BNA_F
 ClientSampleId :
 M-COMB-4

Tgt Ion:330 Resp: 56480
 Ion Ratio Lower Upper
 330 100
 332 98.3 76.6 115.0
 141 39.2 31.4 47.2

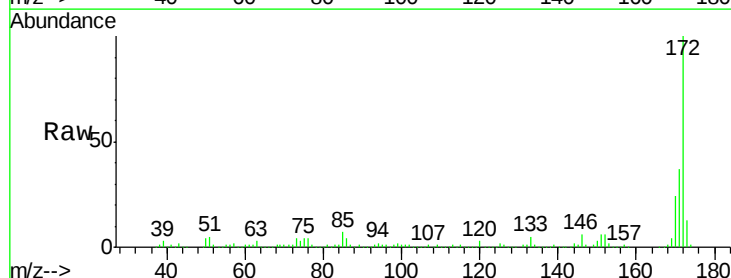


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

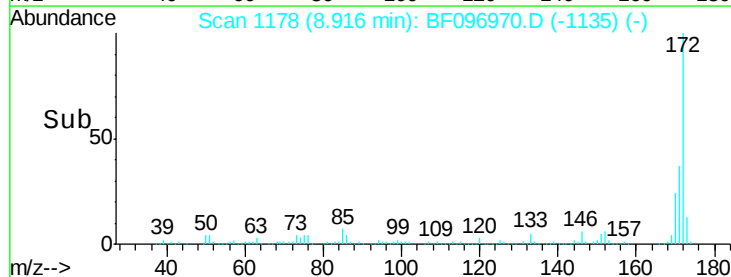
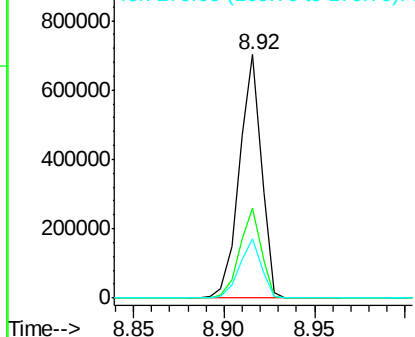


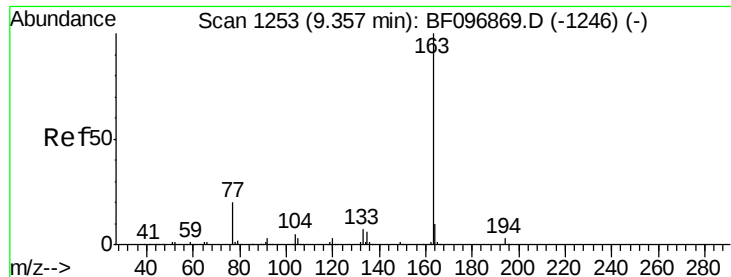
#44
 2-Fluorobiphenyl
 Concen: 84.38 ng
 RT: 8.92 min Scan# 1178
 Delta R.T. -0.05 min
 Lab File: BF096970.D
 Acq: 22 Jul 2017 5:06

Tgt Ion:172 Resp: 591227
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.6 44.4
 170 24.3 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

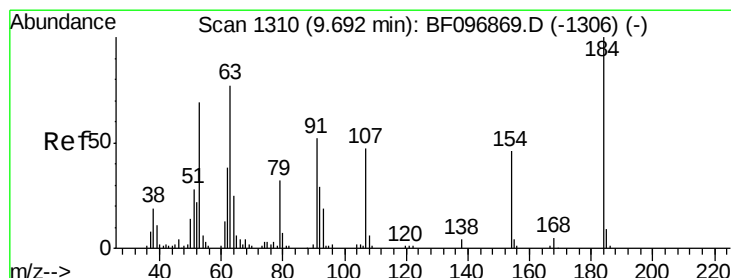
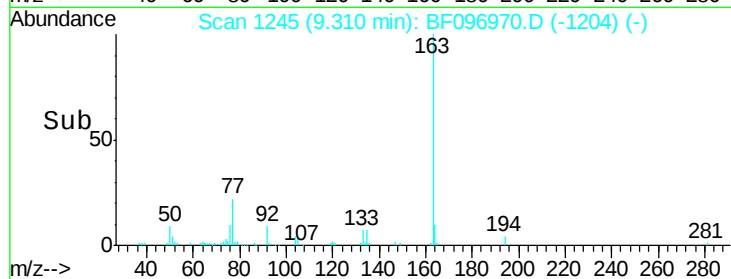
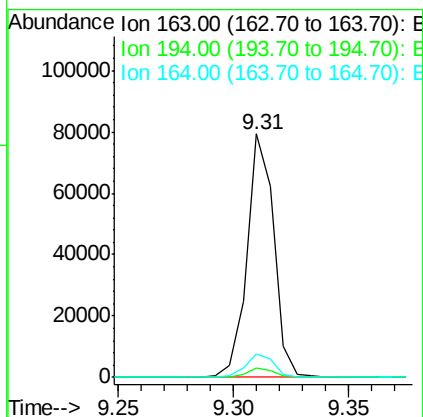
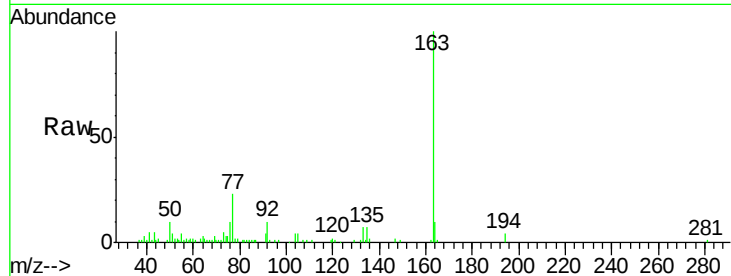




#49
Dimethylphthalate
Concen: 7.73 ng
RT: 9.31 min Scan# 1245
Delta R.T. -0.06 min
Lab File: BF096970.D
Acq: 22 Jul 2017 5:06

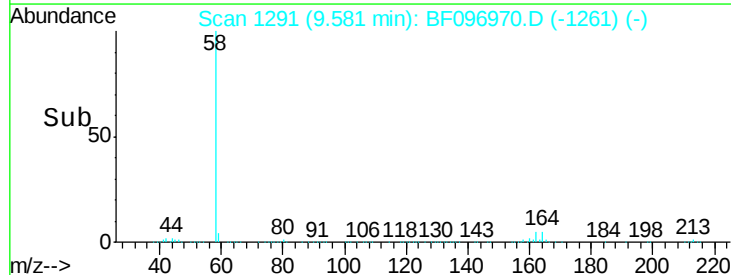
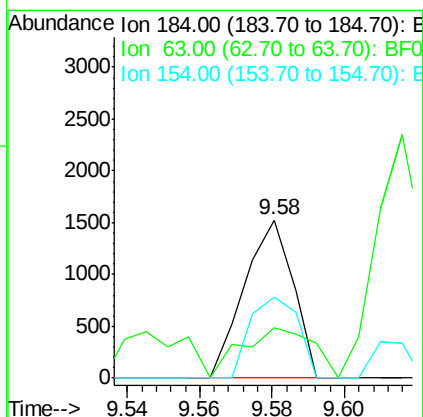
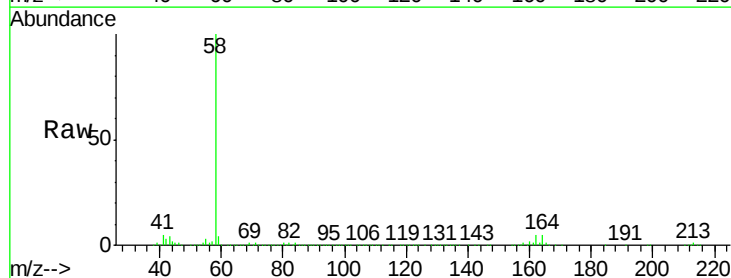
Instrument :
BNA_F
ClientSampleId :
M-COMB-4

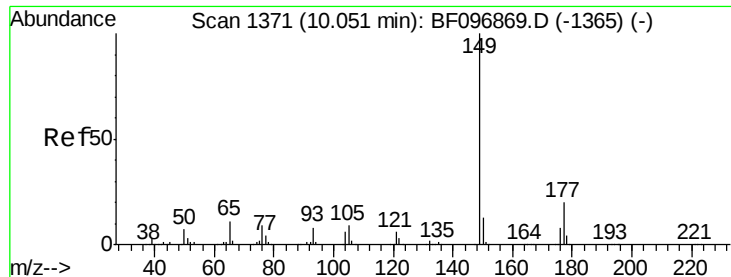
Tgt Ion:163 Resp: 64398
Ion Ratio Lower Upper
163 100
194 3.8 2.6 4.0
164 9.6 8.4 12.6



#53
2,4-Dinitrophenol
Concen: 8.20 ng
RT: 9.58 min Scan# 1291
Delta R.T. -0.12 min
Lab File: BF096970.D
Acq: 22 Jul 2017 5:06

Tgt Ion:184 Resp: 1429
Ion Ratio Lower Upper
184 100
63 31.9 62.7 94.1#
154 51.0 81.1 121.7#

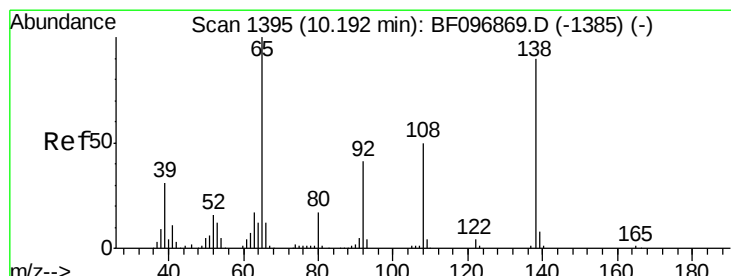
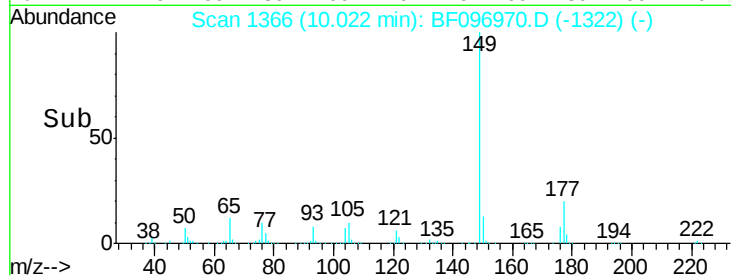
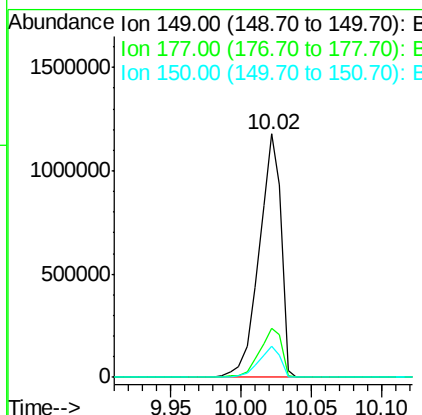
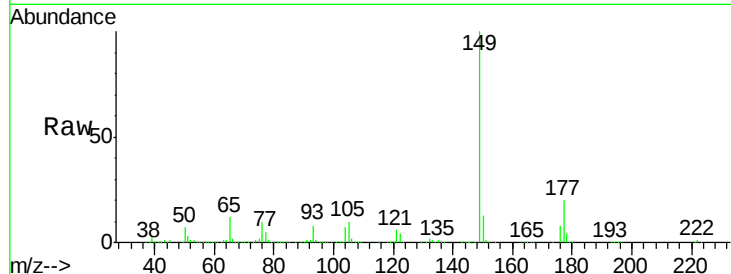




#59
Diethylphthalate
Concen: 159.27 ng
RT: 10.02 min Scan# 1366
Delta R.T. -0.04 min
Lab File: BF096970.D
Acq: 22 Jul 2017 5:06

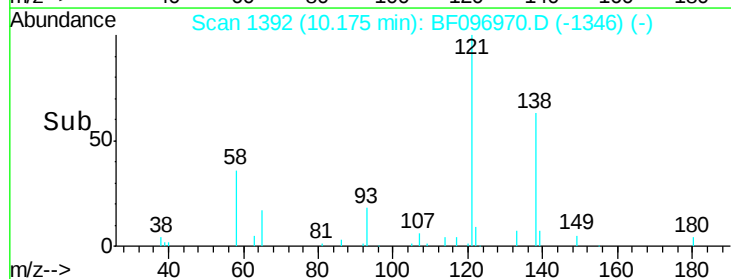
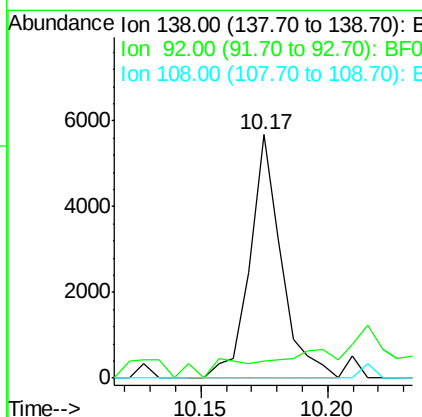
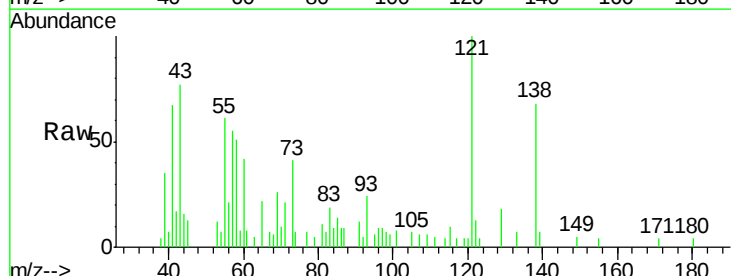
Instrument :
BNA_F
ClientSampleId :
M-COMB-4

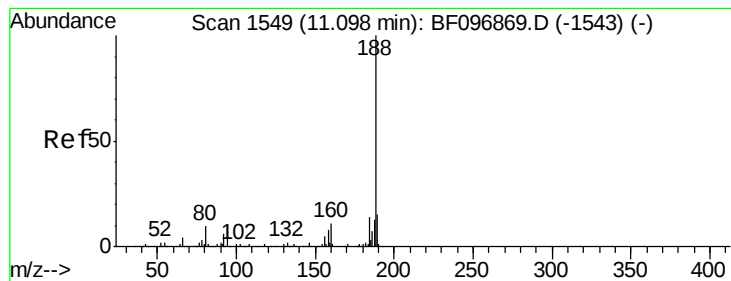
Tgt Ion:149 Resp: 1292323
Ion Ratio Lower Upper
149 100
177 20.3 16.7 25.1
150 12.8 10.2 15.2



#61
4-Nitroaniline
Concen: 2.45 ng
RT: 10.17 min Scan# 1392
Delta R.T. -0.03 min
Lab File: BF096970.D
Acq: 22 Jul 2017 5:06

Tgt Ion:138 Resp: 4922
Ion Ratio Lower Upper
138 100
92 6.9 21.8 61.8#
108 0.0 42.3 82.3#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.06 min Scan# 1542

Delta R.T. -0.05 min

Lab File: BF096970.D

Acq: 22 Jul 2017 5:06

Instrument :

BNA_F

ClientSampleId :

M-COMB-4

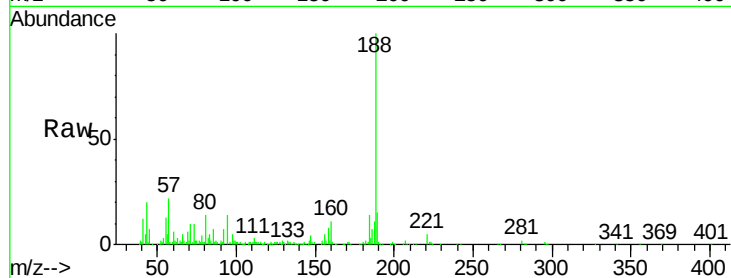
Tgt Ion:188 Resp: 213755

Ion Ratio Lower Upper

188 100

94 13.9 9.4 14.2

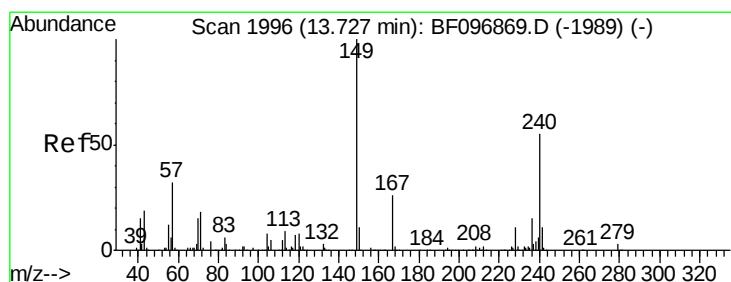
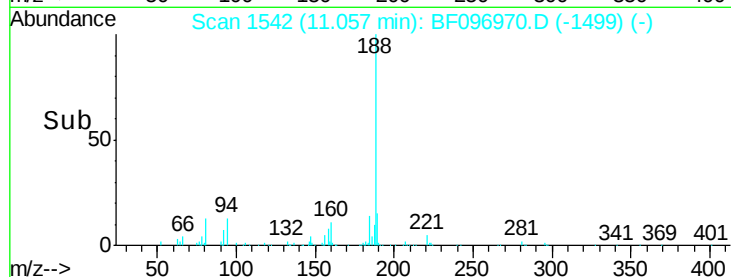
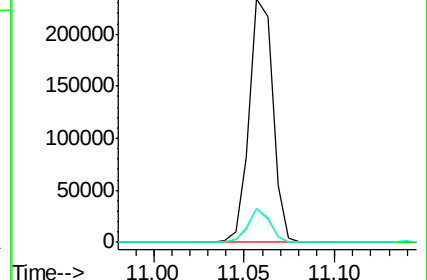
80 13.9 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.69 min Scan# 1990

Delta R.T. -0.04 min

Lab File: BF096970.D

Acq: 22 Jul 2017 5:06

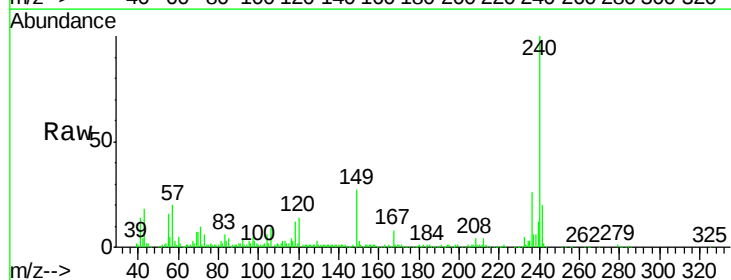
Tgt Ion:240 Resp: 219004

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

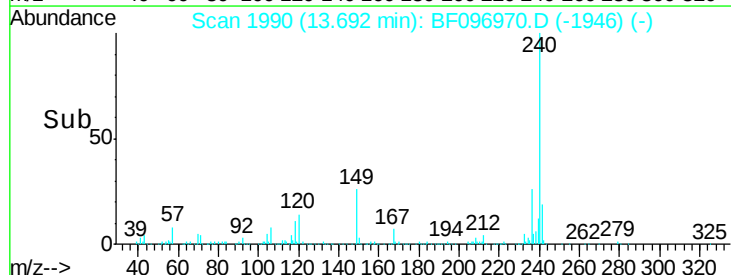
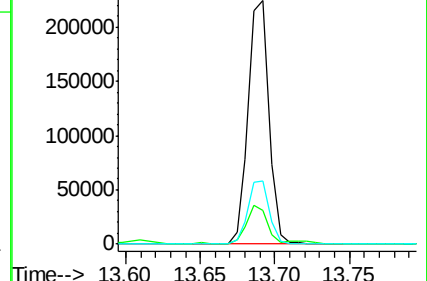
236 26.2 20.5 30.7

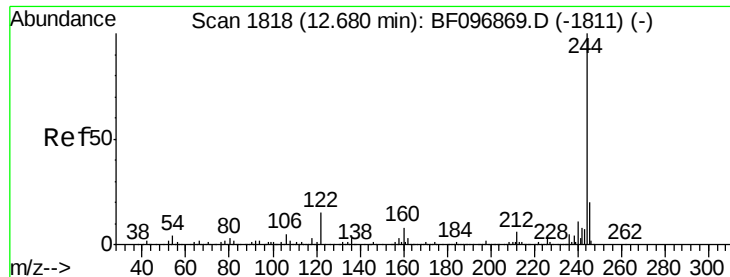


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 33.44 ng

RT: 12.65 min Scan# 1813

Delta R.T. -0.04 min

Lab File: BF096970.D

Acq: 22 Jul 2017 5:06

Instrument :

BNA_F

ClientSampleId :

M-COMB-4

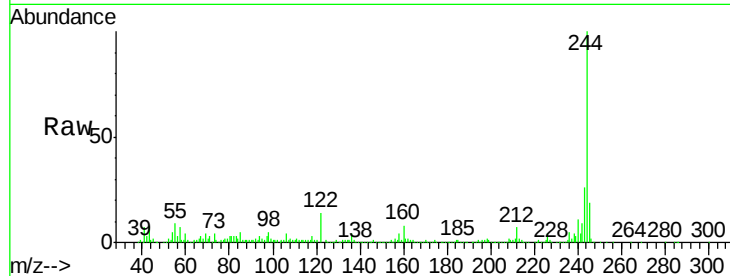
Tgt Ion:244 Resp: 422315

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

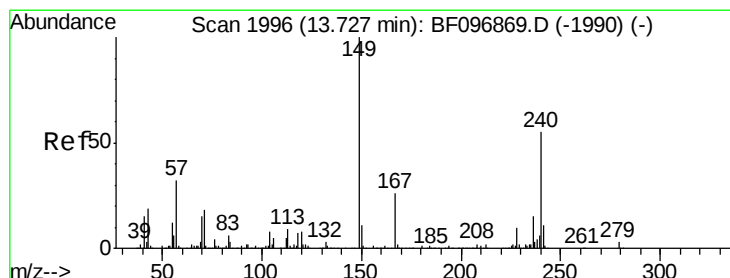
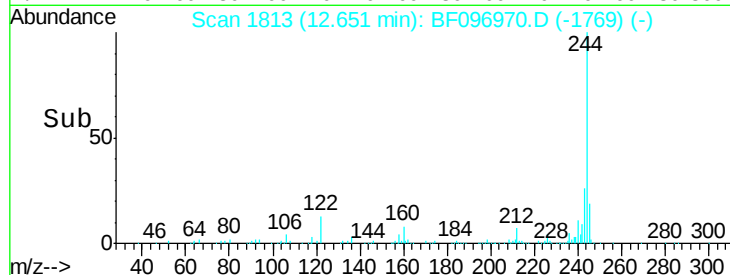
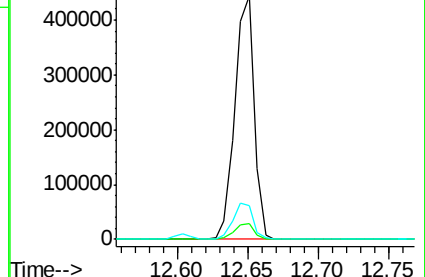
122 13.6 10.3 15.5



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: 4.50 ng

RT: 13.69 min Scan# 1990

Delta R.T. -0.04 min

Lab File: BF096970.D

Acq: 22 Jul 2017 5:06

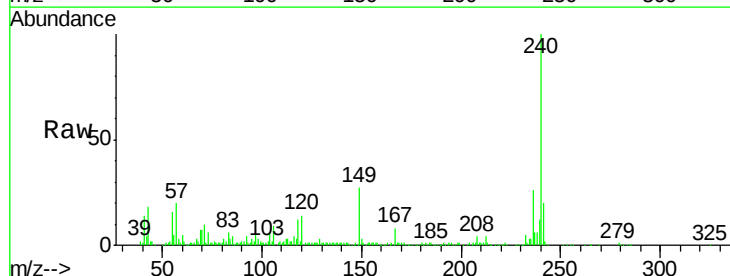
Tgt Ion:149 Resp: 51789

Ion Ratio Lower Upper

149 100

167 28.6 21.0 31.4

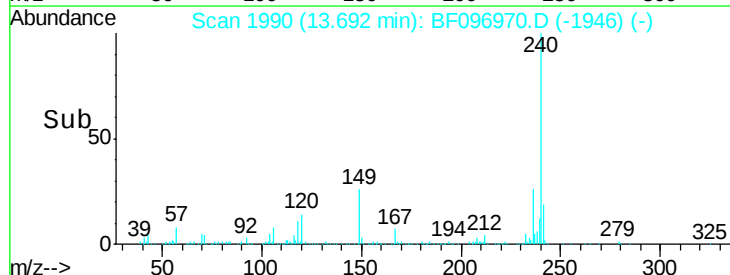
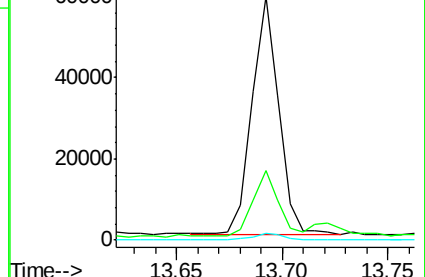
279 2.8 1.9 2.9

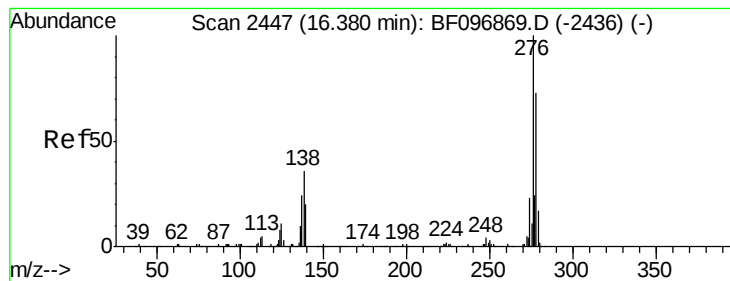


Abundance Ion 149.00 (148.70 to 149.70): E

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: 3.34 ng

RT: 16.42 min Scan# 2453

Delta R.T. 0.02 min

Lab File: BF096970.D

Acq: 22 Jul 2017 5:06

Instrument :

BNA_F

ClientSampleId :

M-COMB-4

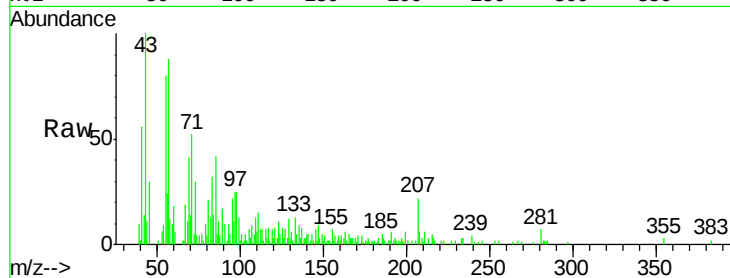
Tgt Ion:276 Resp: 119

Ion Ratio Lower Upper

276 100

138 0.0 27.8 41.6#

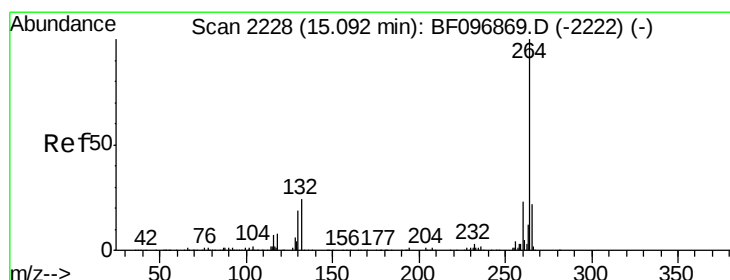
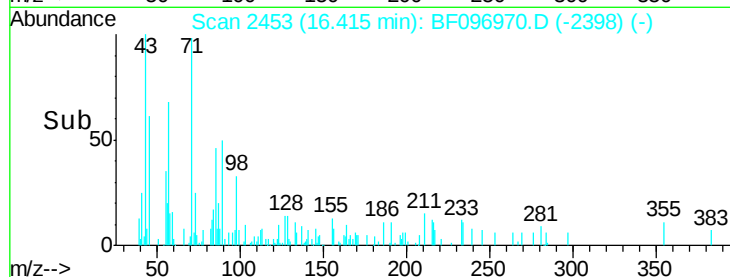
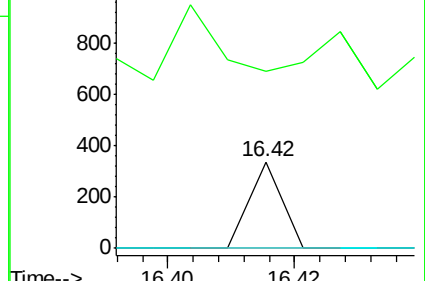
277 0.0 20.2 30.4#



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

Perylene-d12

Concen: 20.00 ng

RT: 15.06 min Scan# 2222

Delta R.T. -0.05 min

Lab File: BF096970.D

Acq: 22 Jul 2017 5:06

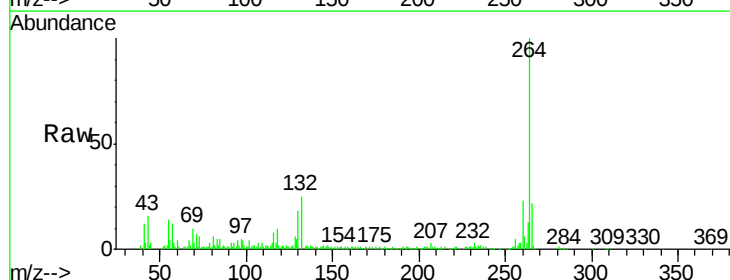
Tgt Ion:264 Resp: 194018

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 22.0 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

