

Data File : BF096971.D
Acq On : 22 Jul 2017 5:34
Operator : SJ/JU
Sample : I4274-04
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-COMB-05

Quant Time: Jul 22 07:03:44 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	122512	20.00	ng	-0.04
21) Naphthalene-d8	7.84	136	479847	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	173827	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	226469	20.00	ng	-0.04
75) Chrysene-d12	13.69	240	223030	20.00	ng	-0.04
86) Perylene-d12	15.05	264	205528	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	259016	31.79	ng	-0.04
7) Phenol-d6	6.22	99	142781	14.60	ng	-0.04
23) Nitrobenzene-d5	7.12	82	515143	66.50	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	84527	56.97	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	839966	76.34	ng	-0.05
78) Terphenyl-d14	12.65	244	499186	38.82	ng	-0.04

Target Compounds				Qvalue		
10) Phenol	6.23	94	106172	9.61	ng	95
15) Benzyl Alcohol	6.71	79	52887	8.26	ng	89
17) 2-Methylphenol	6.71	107	24330	3.56	ng	# 1
19) n-Nitroso-di-n-propylamine	6.98	70	16262	2.76	ng	# 69
20) 3+4-Methylphenols	6.99	107	336251	40.54	ng	# 56
25) Isophorone	7.12	82	496317	34.44	ng	# 67
27) 2,4-Dimethylphenol	7.31	122	18812	2.57	ng	# 6
32) Benzoic acid	7.72	122	142302	30.38	ng	98
49) Dimethylphthalate	9.31	163	81566	6.23	ng	98
53) 2,4-Dinitrophenol	9.60	184	639	7.16	ng	# 28
56) 2,4-Dinitrotoluene	9.59	165	22015	6.04	ng	# 35
59) Diethylphthalate	10.01	149	87424	6.86	ng	98
66) 4-Bromophenyl-phenylether	10.37	248	5465	2.36	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.69	149	42809	3.66	ng	100
85) Indeno(1,2,3-cd)pyrene	16.32	276	139	3.34	ng	# 1

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

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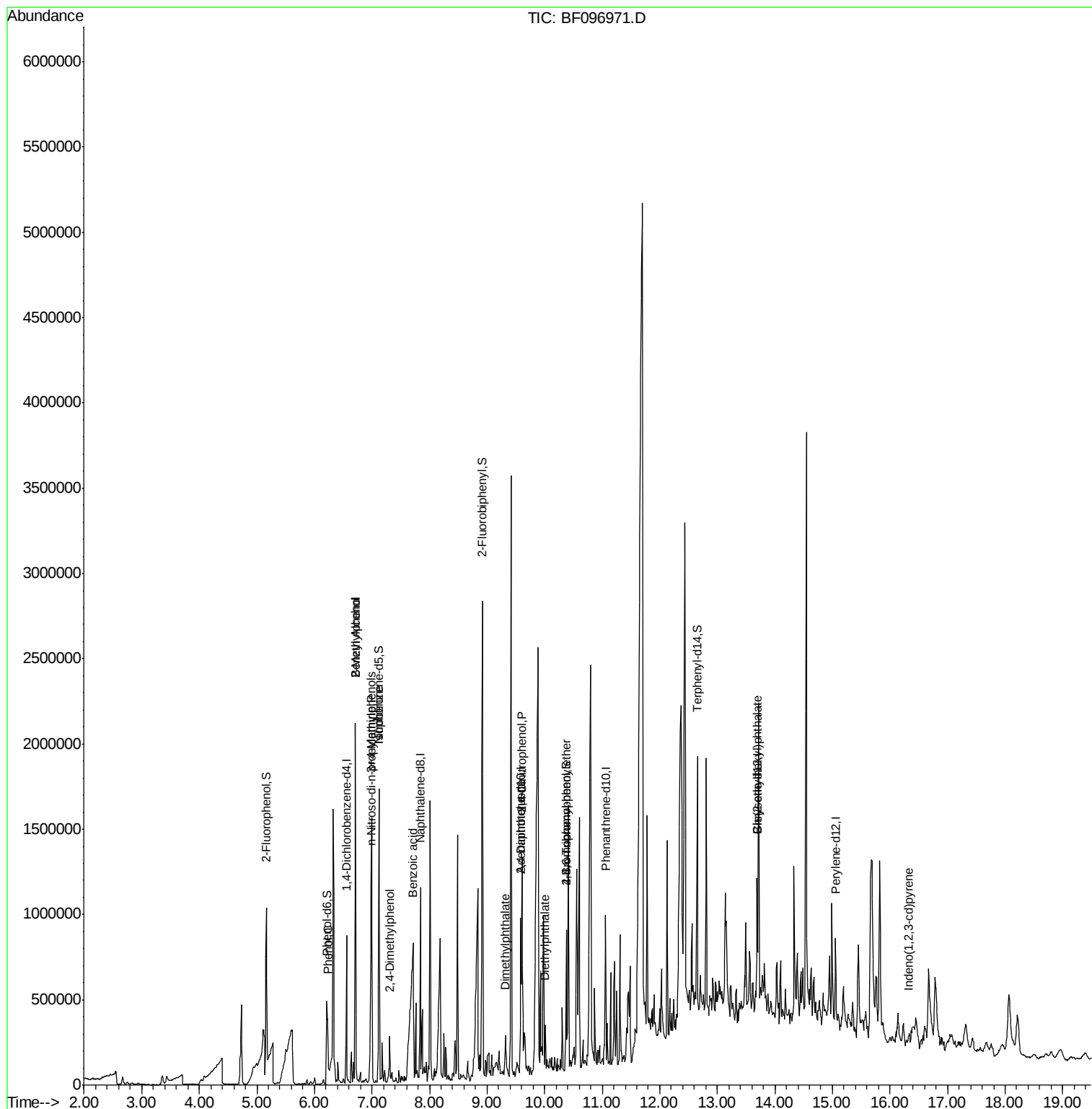
Quant Time: Jul 22 07:03:44 2017

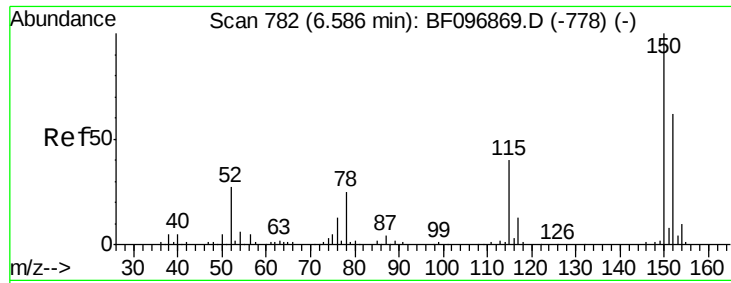
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M

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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: BF096971.D

Acq: 22 Jul 2017 5:34

Instrument :

BNA_F

ClientSampleId :

M-COMB-05

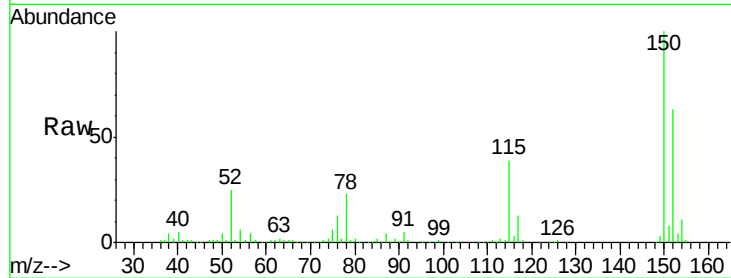
Tgt Ion:152 Resp: 122512

Ion Ratio Lower Upper

152 100

150 159.3 126.2 189.2

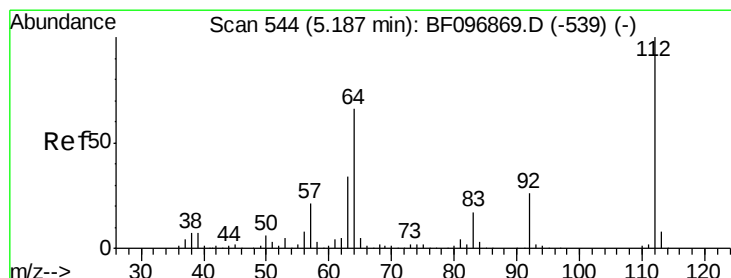
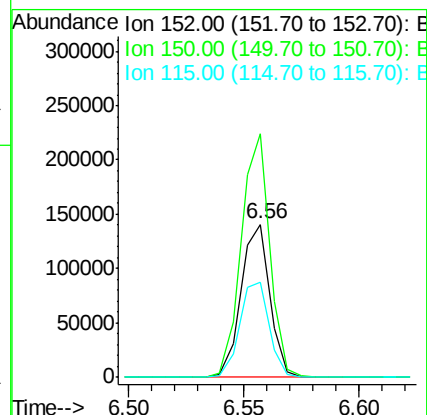
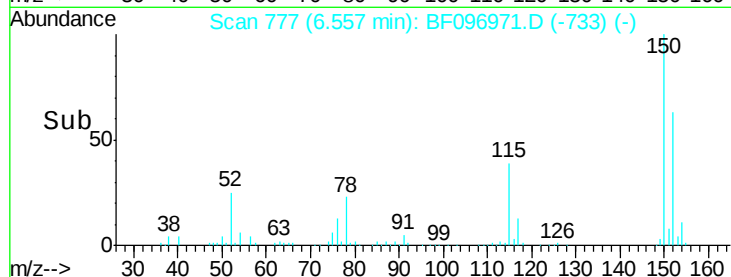
115 62.2 52.2 78.2



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: 31.79 ng

RT: 5.16 min Scan# 540

Delta R.T. -0.04 min

Lab File: BF096971.D

Acq: 22 Jul 2017 5:34

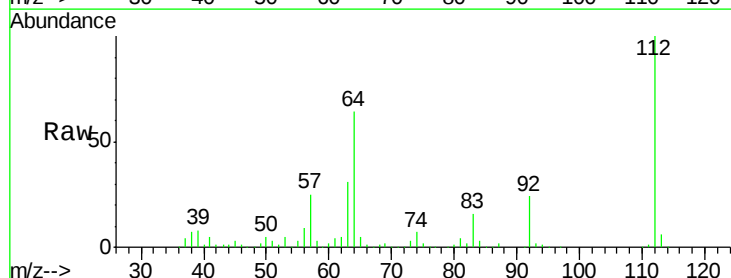
Tgt Ion:112 Resp: 259016

Ion Ratio Lower Upper

112 100

64 64.0 46.0 69.0

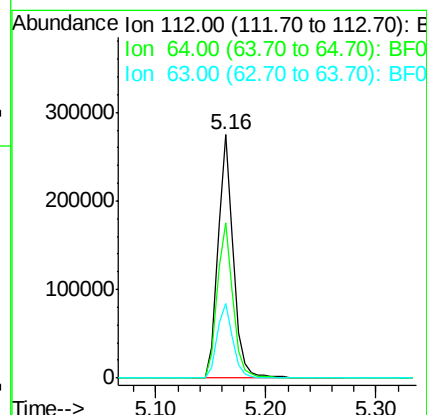
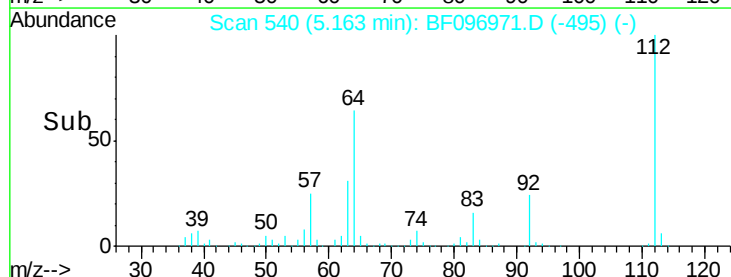
63 30.8 23.4 35.0

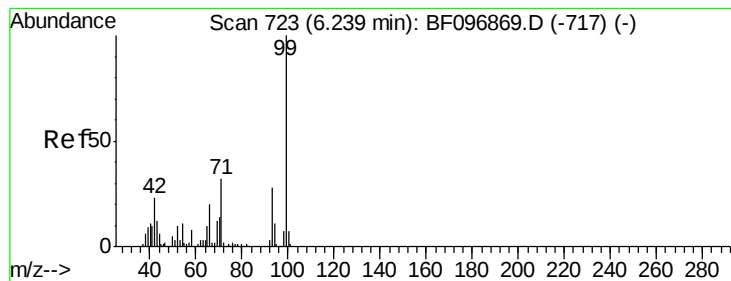


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 14.60 ng

RT: 6.22 min Scan# 719

Delta R.T. -0.04 min

Lab File: BF096971.D

Acq: 22 Jul 2017 5:34

Instrument :

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ClientSampleId :

M-COMB-05

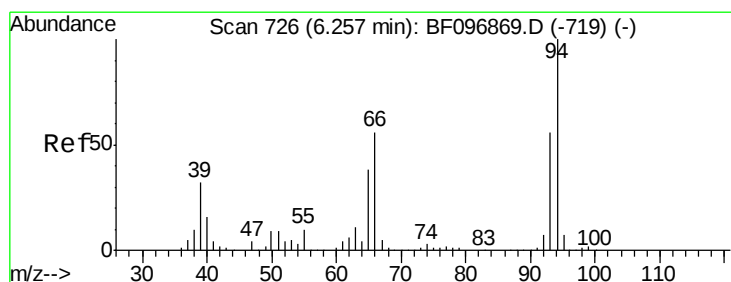
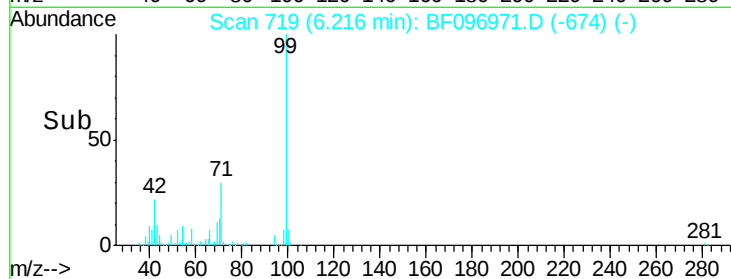
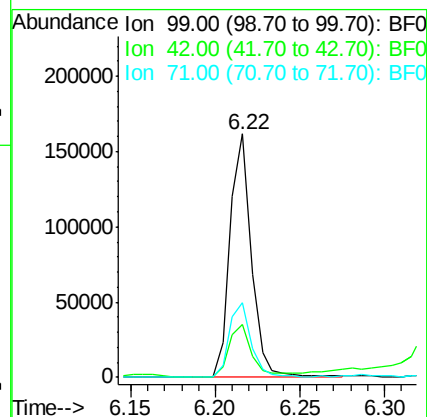
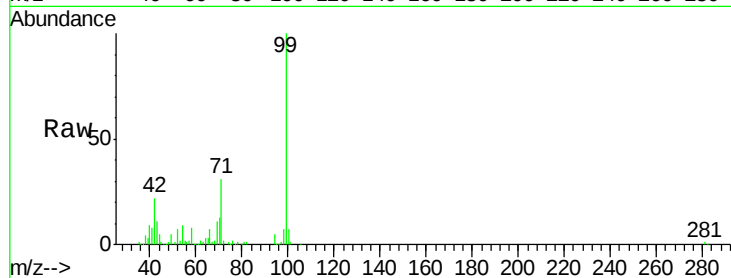
Tgt Ion: 99 Resp: 142781

Ion Ratio Lower Upper

99 100

42 21.8 13.5 20.3#

71 30.5 24.5 36.7



#10

Phenol

Concen: 9.61 ng

RT: 6.23 min Scan# 721

Delta R.T. -0.04 min

Lab File: BF096971.D

Acq: 22 Jul 2017 5:34

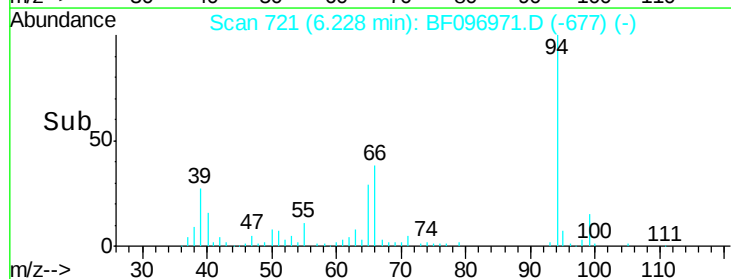
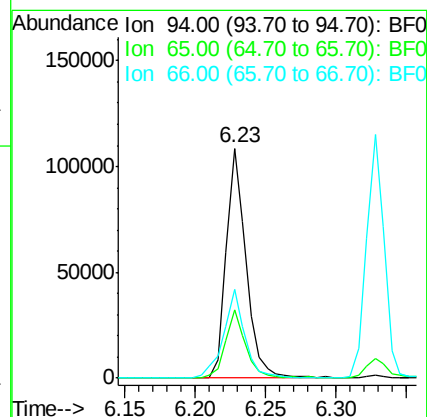
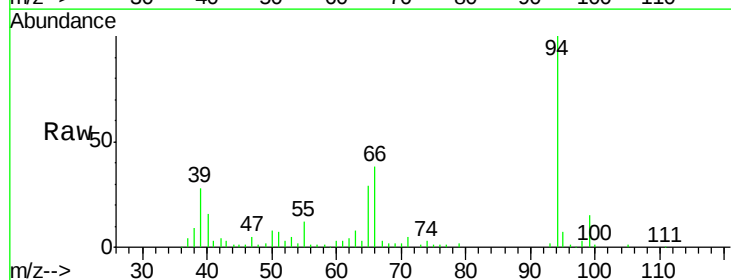
Tgt Ion: 94 Resp: 106172

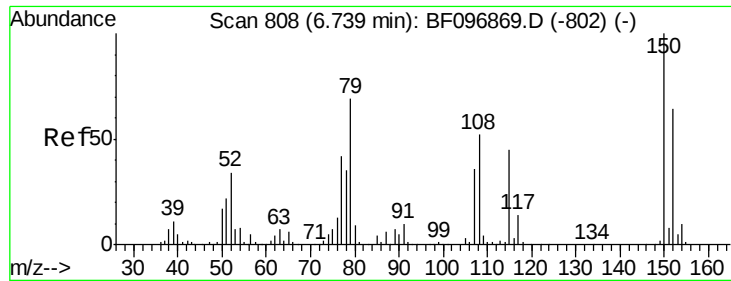
Ion Ratio Lower Upper

94 100

65 29.4 9.9 49.9

66 38.5 23.1 63.1





#15

Benzyl Alcohol

Concen: 8.26 ng

RT: 6.71 min Scan# 803

Delta R.T. -0.04 min

Lab File: BF096971.D

Acq: 22 Jul 2017 5:34

Instrument :

BNA_F

ClientSampleId :

M-COMB-05

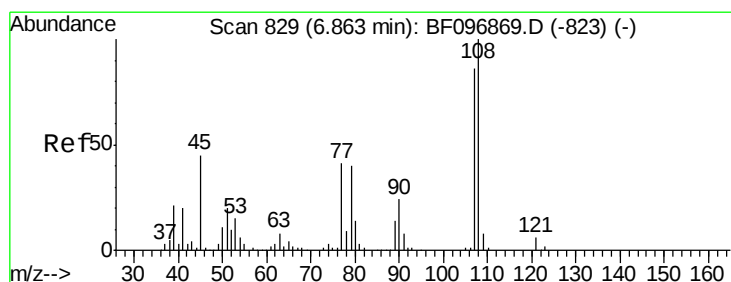
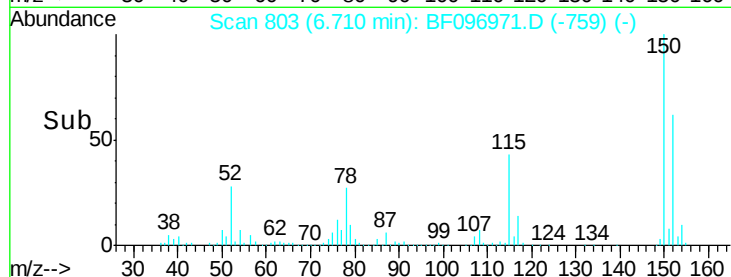
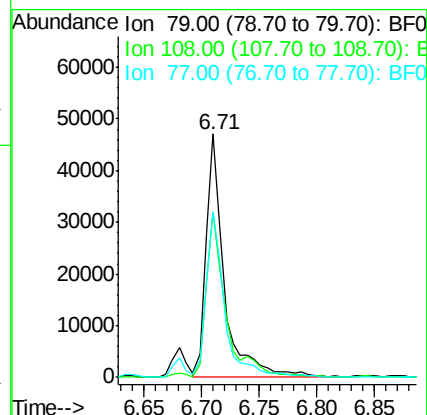
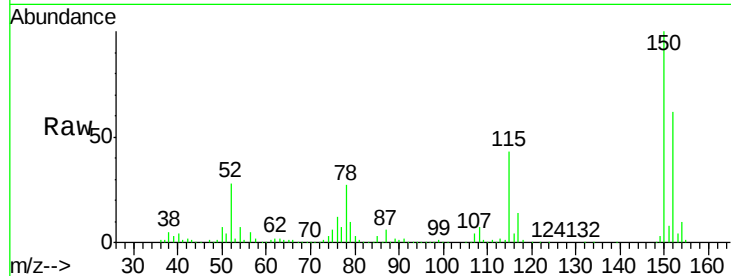
Tgt Ion: 79 Resp: 52887

Ion Ratio Lower Upper

79 100

108 67.8 63.4 95.0

77 68.2 49.2 73.8



#17

2-Methylphenol

Concen: 3.56 ng

RT: 6.71 min Scan# 803

Delta R.T. -0.16 min

Lab File: BF096971.D

Acq: 22 Jul 2017 5:34

Tgt Ion: 107 Resp: 24330

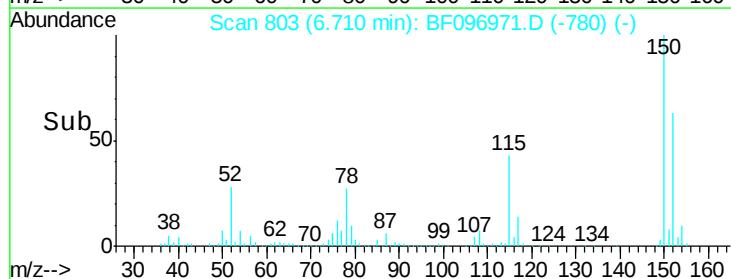
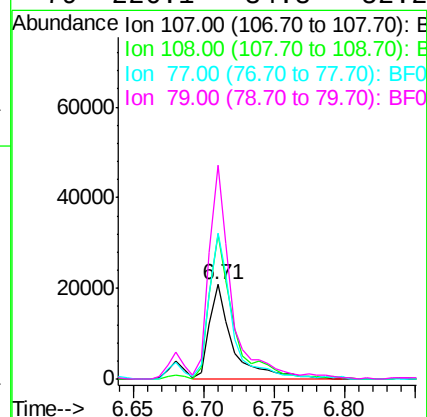
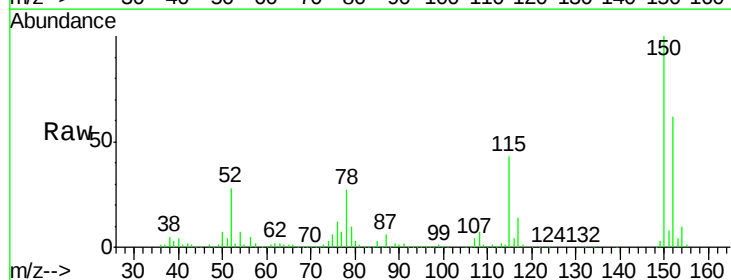
Ion Ratio Lower Upper

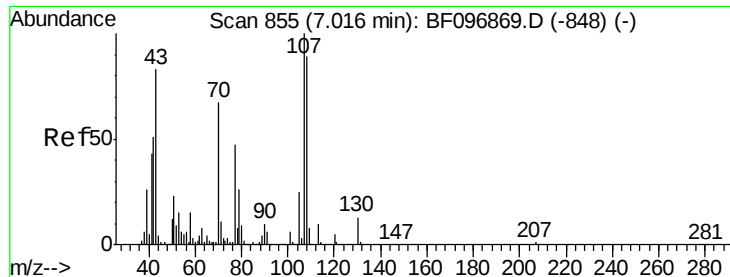
107 100

108 153.2 93.4 140.0#

77 154.3 35.8 53.6#

79 226.1 34.8 52.2#

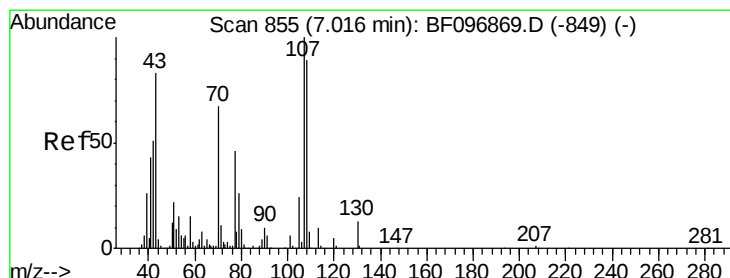
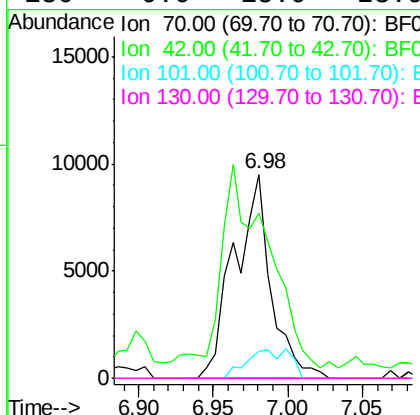
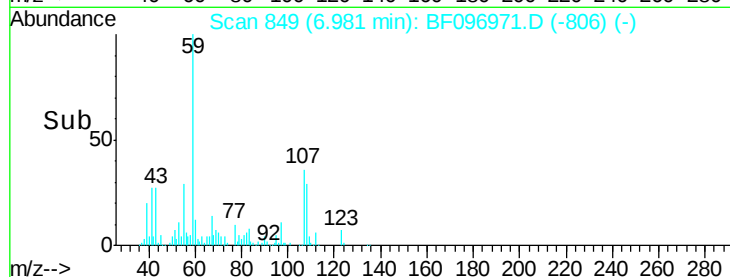
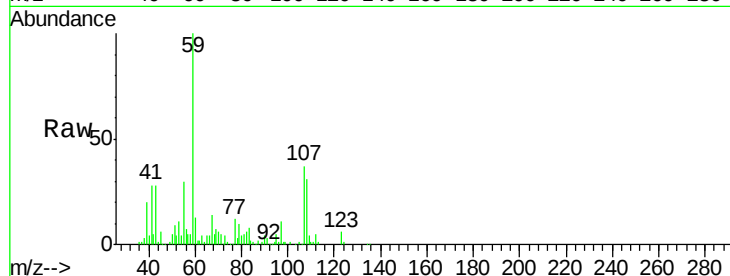




#19
n-Nitroso-di-n-propylamine
Concen: 2.76 ng
RT: 6.98 min Scan# 849
Delta R.T. -0.05 min
Lab File: BF096971.D
Acq: 22 Jul 2017 5:34

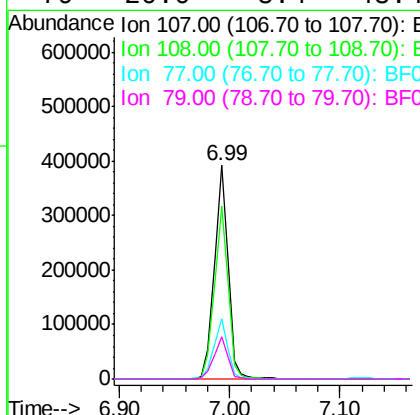
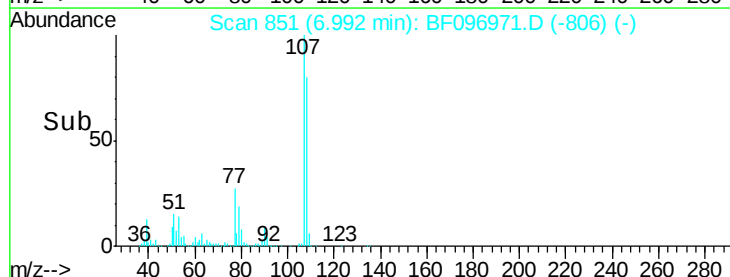
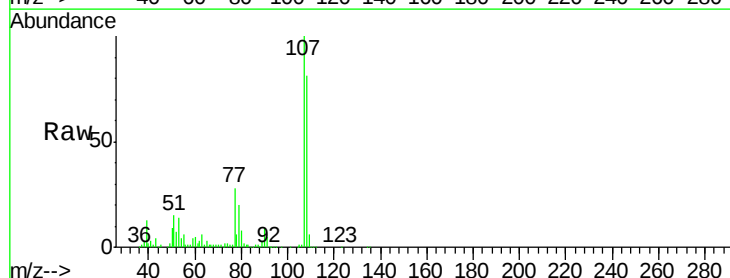
Instrument :
BNA_F
ClientSampleId :
M-COMB-05

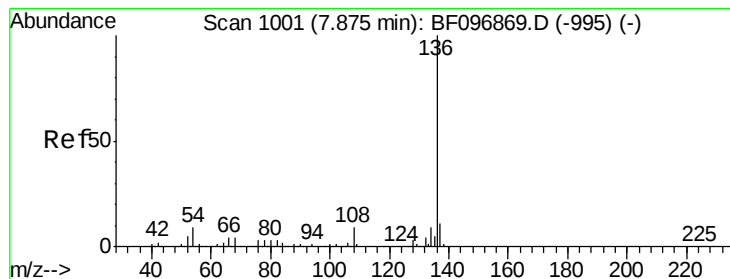
Tgt Ion: 70 Resp: 16262
Ion Ratio Lower Upper
70 100
42 81.2 47.2 70.8#
101 13.1 7.2 10.8#
130 0.0 15.9 23.9#



#20
3+4-Methylphenols
Concen: 40.54 ng
RT: 6.99 min Scan# 851
Delta R.T. -0.04 min
Lab File: BF096971.D
Acq: 22 Jul 2017 5:34

Tgt Ion: 107 Resp: 336251
Ion Ratio Lower Upper
107 100
108 80.7 71.0 111.0
77 28.3 90.5 130.5#
79 20.0 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: BF096971.D

Acq: 22 Jul 2017 5:34

Instrument :

BNA_F

ClientSampleId :

M-COMB-05

Tgt Ion: 136 Resp: 479847

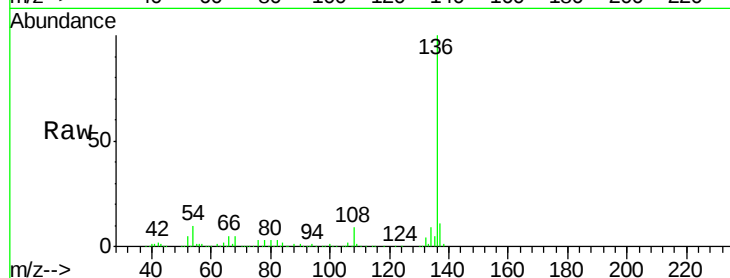
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 9.8 4.9 7.3#

68 5.3 4.1 6.1

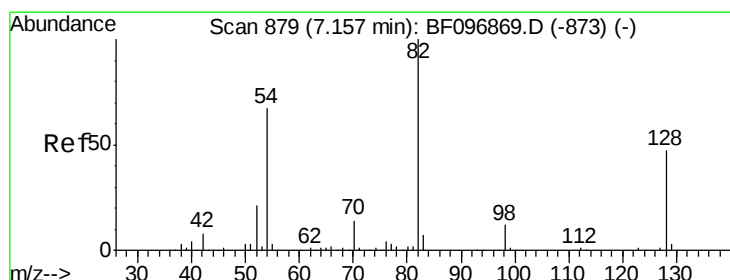
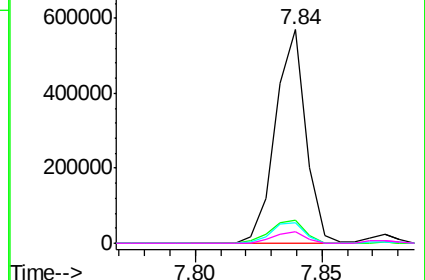
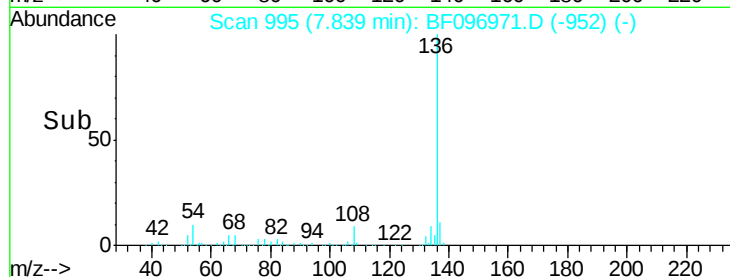


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.50 ng

RT: 7.12 min Scan# 873

Delta R.T. -0.05 min

Lab File: BF096971.D

Acq: 22 Jul 2017 5:34

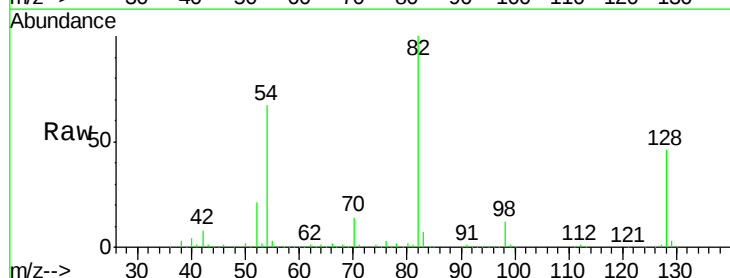
Tgt Ion: 82 Resp: 515143

Ion Ratio Lower Upper

82 100

128 46.5 34.0 51.0

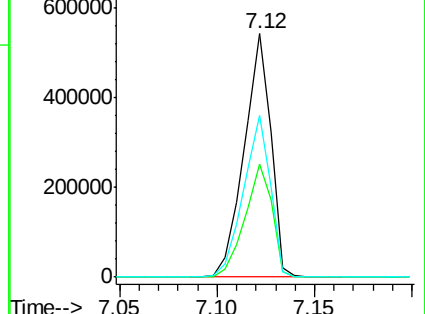
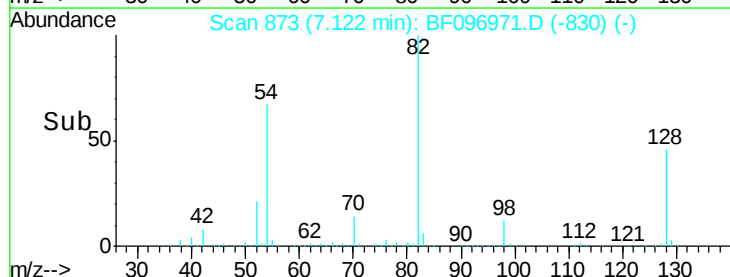
54 66.7 42.2 63.2#

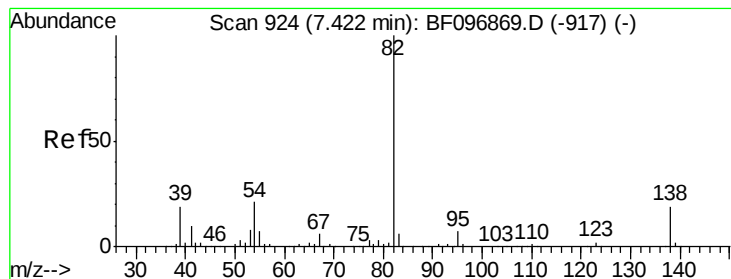


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 34.44 ng

RT: 7.12 min Scan# 873

Delta R.T. -0.31 min

Lab File: BF096971.D

Acq: 22 Jul 2017 5:34

Instrument :

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ClientSampleId :

M-COMB-05

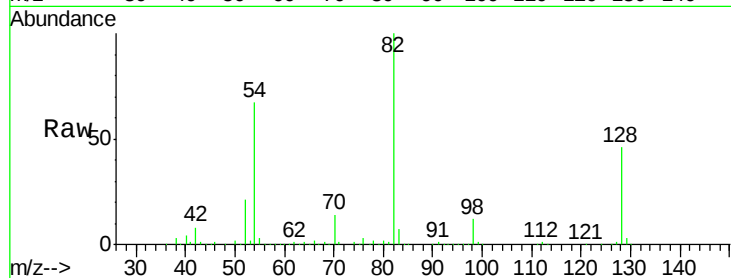
Tgt Ion: 82 Resp: 496317

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

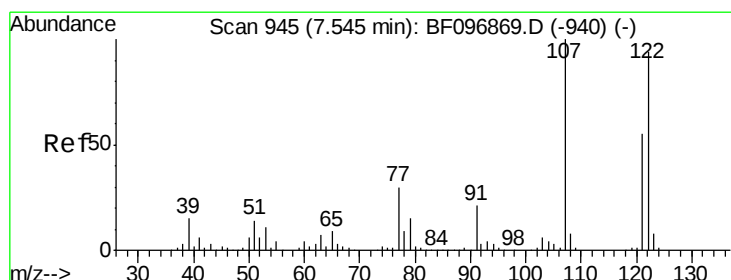
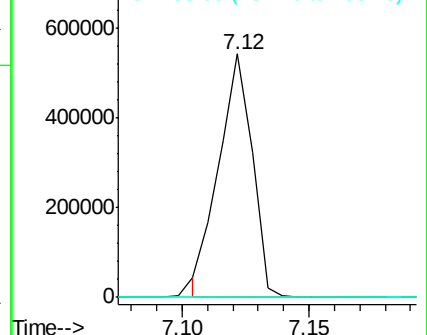
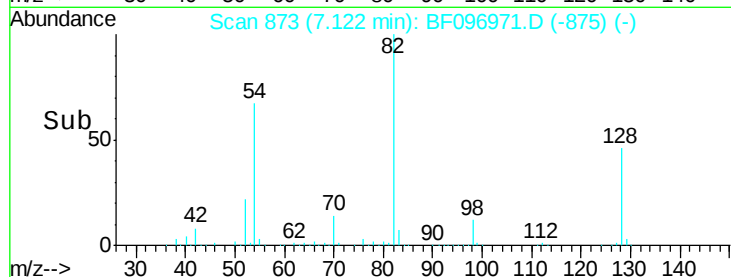
138 0.0 13.1 19.7#



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



#27

2,4-Dimethylphenol

Concen: 2.57 ng

RT: 7.31 min Scan# 905

Delta R.T. -0.25 min

Lab File: BF096971.D

Acq: 22 Jul 2017 5:34

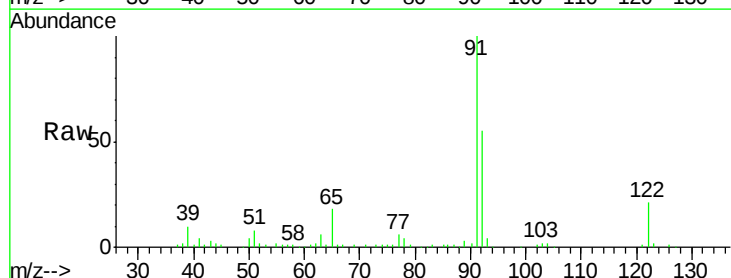
Tgt Ion: 122 Resp: 18812

Ion Ratio Lower Upper

122 100

107 0.0 89.2 133.8#

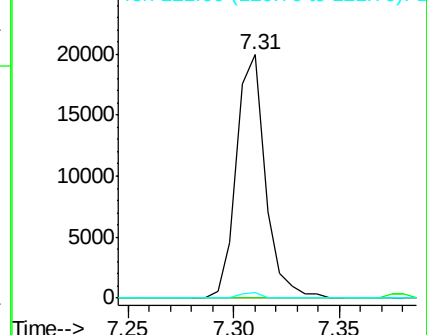
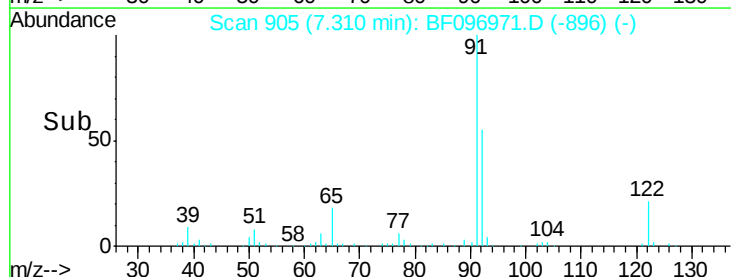
121 2.4 45.2 67.8#

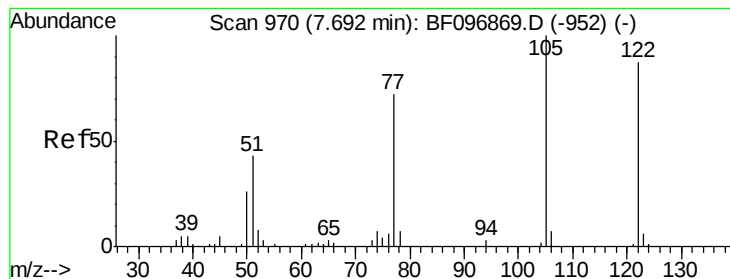


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#32

Benzoic acid

Concen: 30.38 ng

RT: 7.72 min Scan# 975

Delta R.T. 0.01 min

Lab File: BF096971.D

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Instrument :

BNA_F

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M-COMB-05

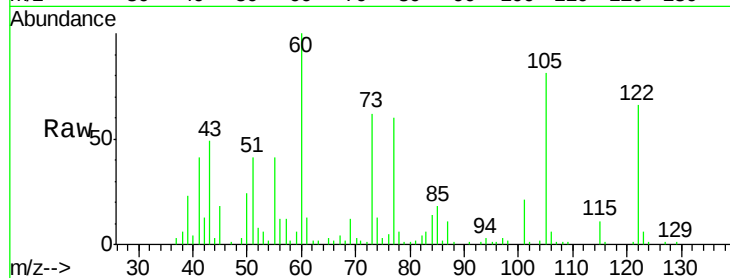
Tgt Ion:122 Resp: 142302

Ion Ratio Lower Upper

122 100

105 122.7 103.3 143.3

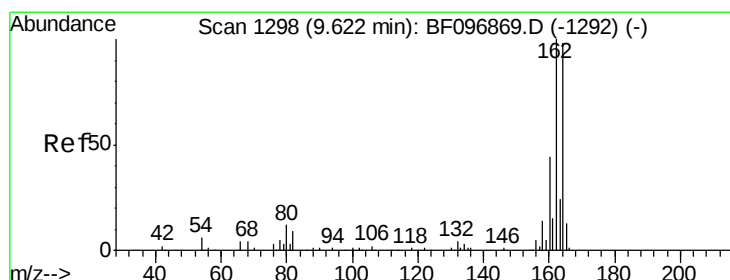
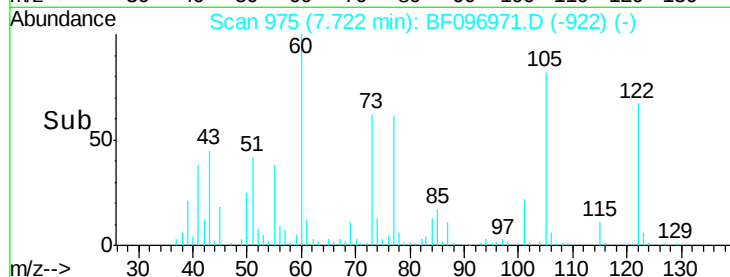
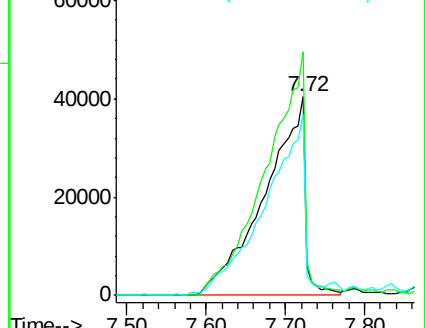
77 91.0 73.7 113.7



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: BF096971.D

Acq: 22 Jul 2017 5:34

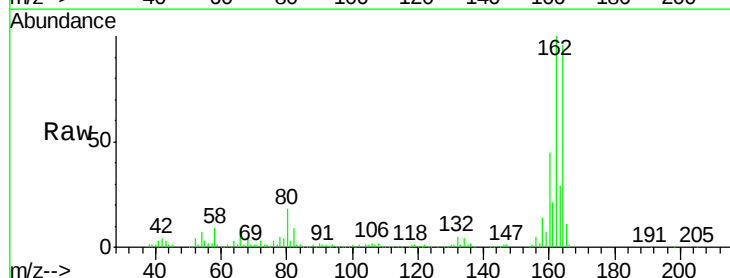
Tgt Ion:164 Resp: 173827

Ion Ratio Lower Upper

164 100

162 104.4 82.6 123.8

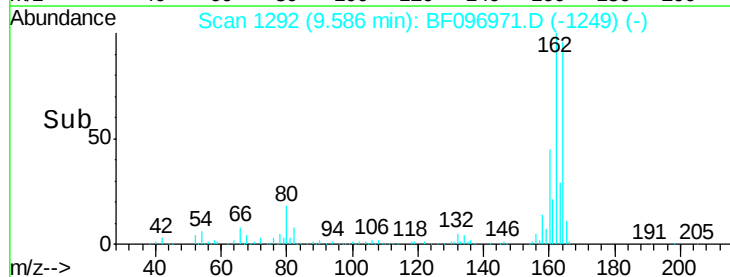
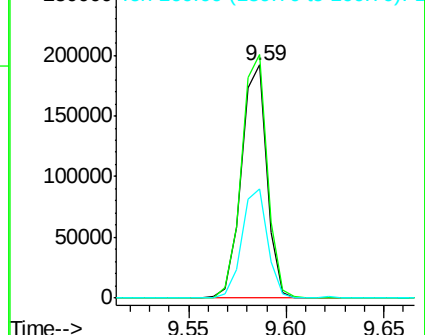
160 46.7 36.2 54.2

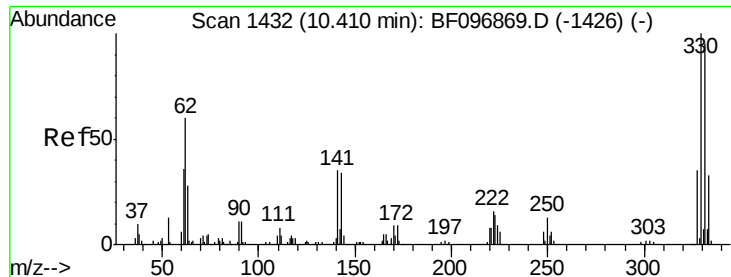


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

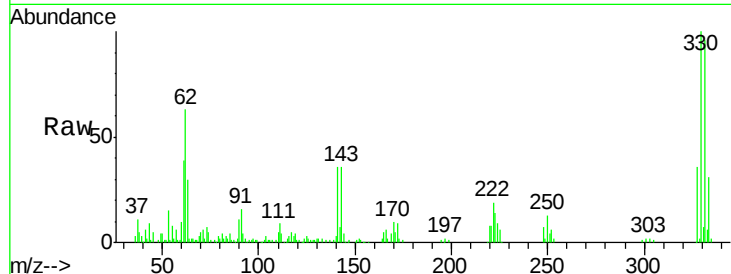




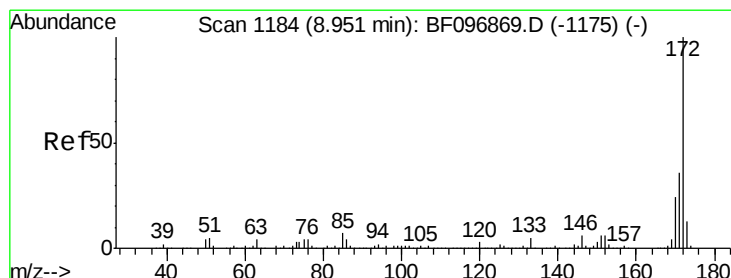
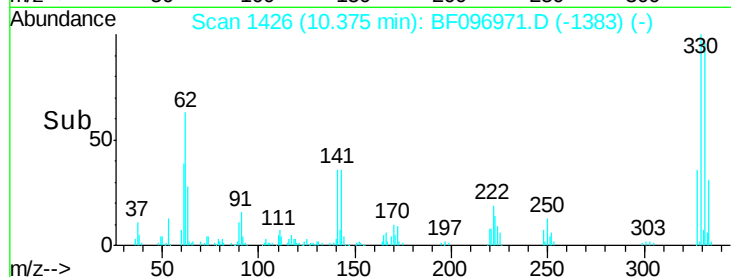
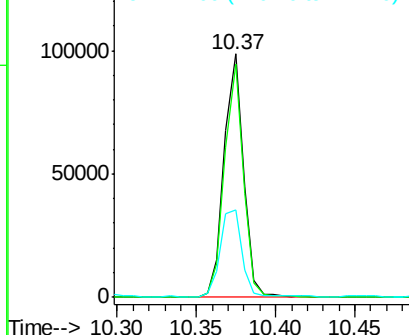
#41
 2,4,6-Tribromophenol
 Concen: 56.97 ng
 RT: 10.37 min Scan# 1426
 Delta R.T. -0.05 min
 Lab File: BF096971.D
 Acq: 22 Jul 2017 5:34

Instrument :
 BNA_F
 ClientSampled :
 M-COMB-05

Tgt Ion: 330 Resp: 84527
 Ion Ratio Lower Upper
 330 100
 332 93.2 76.6 115.0
 141 40.0 31.4 47.2

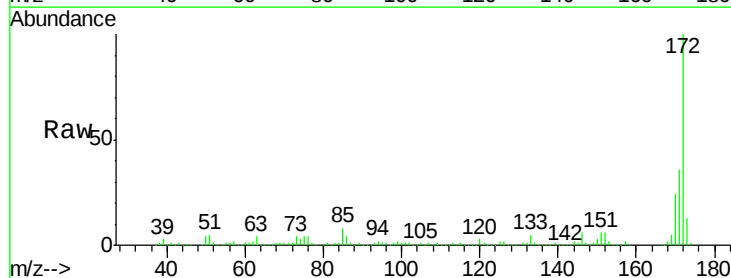


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

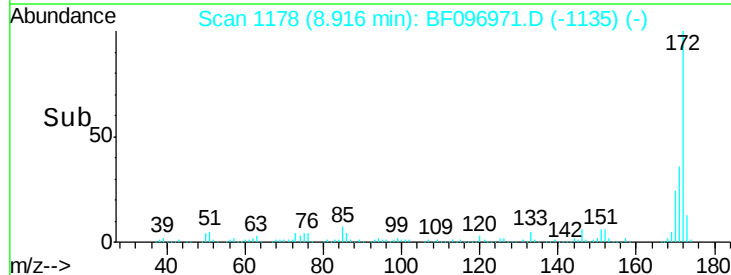
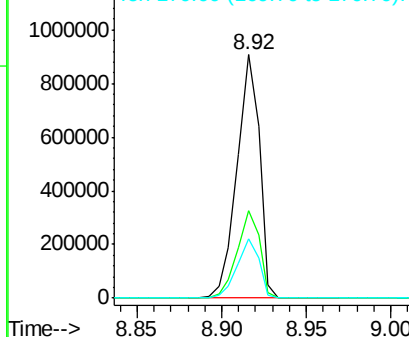


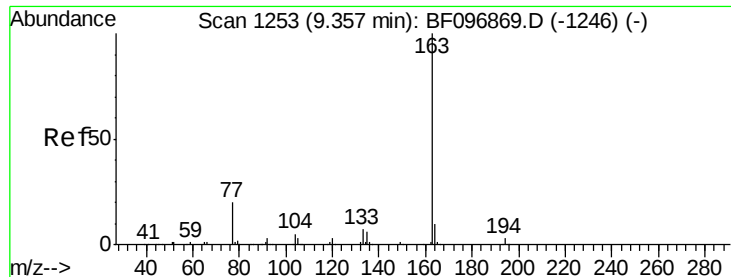
#44
 2-Fluorobiphenyl
 Concen: 76.34 ng
 RT: 8.92 min Scan# 1178
 Delta R.T. -0.05 min
 Lab File: BF096971.D
 Acq: 22 Jul 2017 5:34

Tgt Ion: 172 Resp: 839966
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 24.1 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

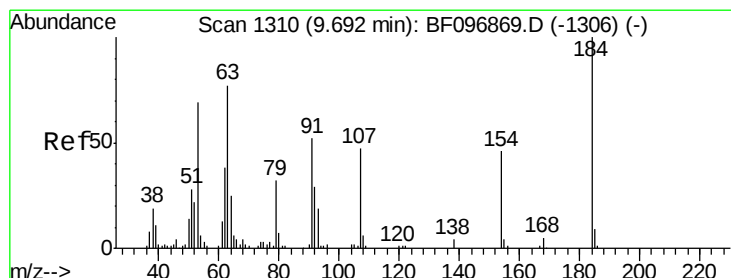
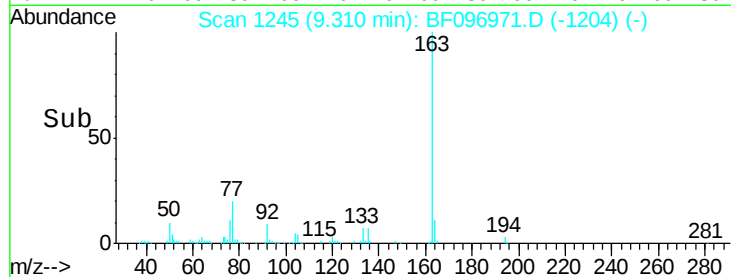
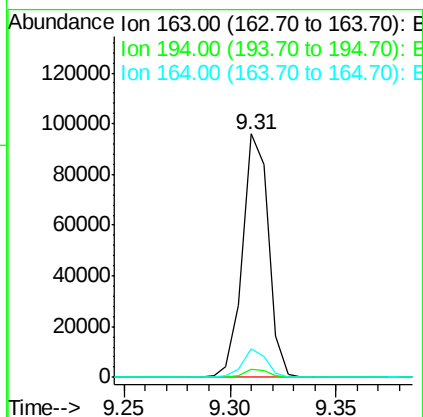
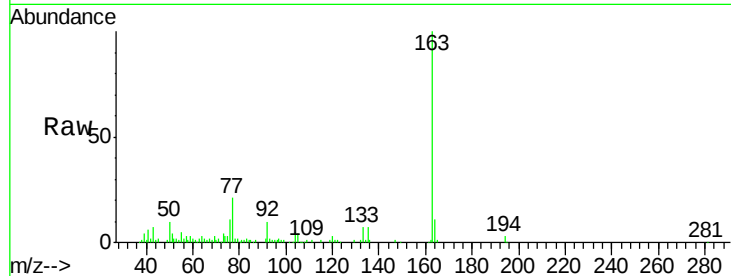




#49
Dimethylphthalate
Concen: 6.23 ng
RT: 9.31 min Scan# 1245
Delta R.T. -0.06 min
Lab File: BF096971.D
Acq: 22 Jul 2017 5:34

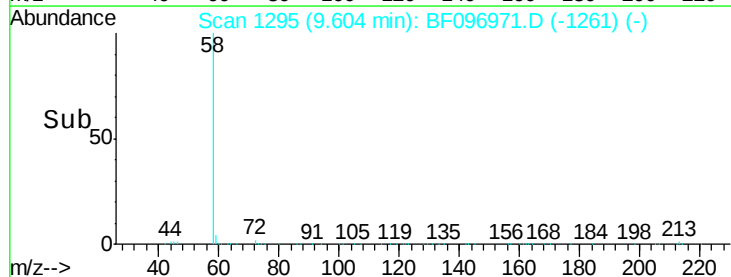
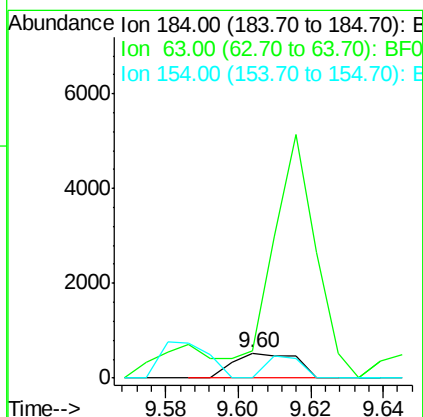
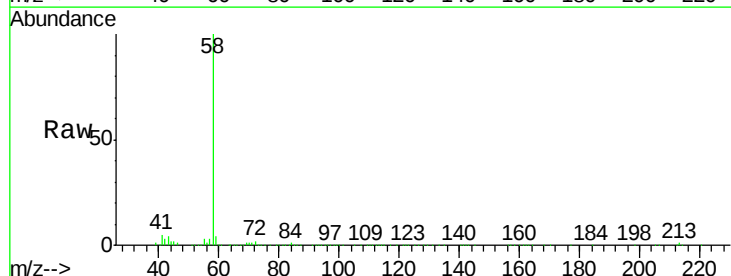
Instrument :
BNA_F
ClientSampleId :
M-COMB-05

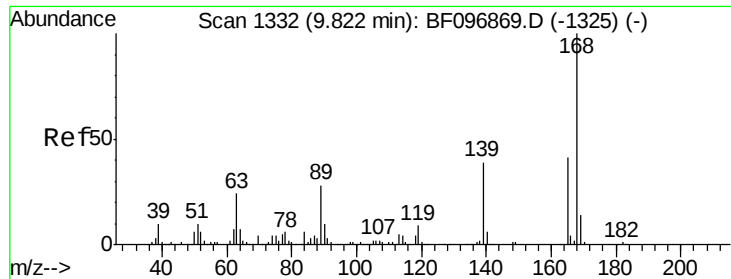
Tgt Ion:163 Resp: 81566
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 11.5 8.4 12.6



#53
2,4-Dinitrophenol
Concen: 7.16 ng
RT: 9.60 min Scan# 1295
Delta R.T. -0.10 min
Lab File: BF096971.D
Acq: 22 Jul 2017 5:34

Tgt Ion:184 Resp: 639
Ion Ratio Lower Upper
184 100
63 109.1 62.7 94.1#
154 0.0 81.1 121.7#





#56

2,4-Dinitrotoluene

Concen: 6.04 ng

RT: 9.59 min Scan# 1292

Delta R.T. -0.24 min

Lab File: BF096971.D

Acq: 22 Jul 2017 5:34

Instrument :

BNA_F

ClientSampleId :

M-COMB-05

Tgt Ion:165 Resp: 22015

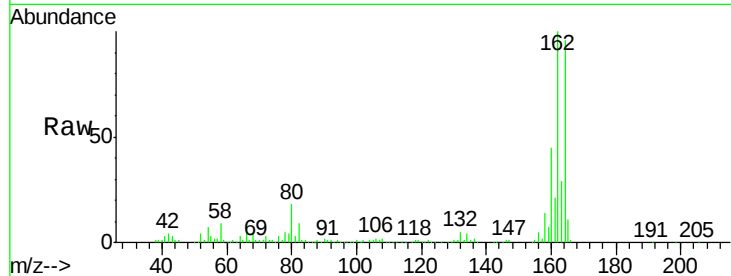
Ion Ratio Lower Upper

165 100

63 3.1 25.4 38.0#

89 2.4 46.4 69.6#

182 0.0 1.8 2.6#

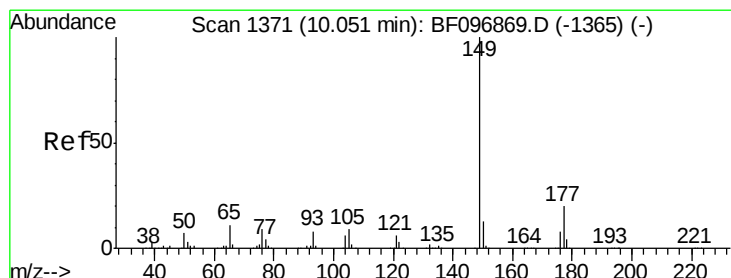
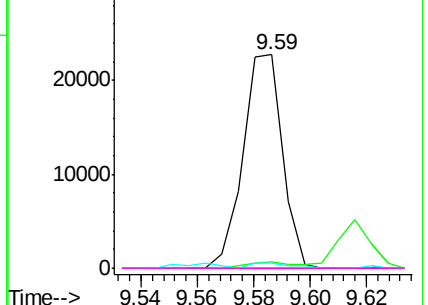
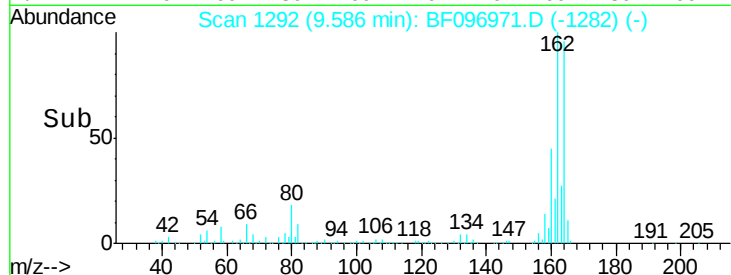


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#59

Diethylphthalate

Concen: 6.86 ng

RT: 10.01 min Scan# 1364

Delta R.T. -0.05 min

Lab File: BF096971.D

Acq: 22 Jul 2017 5:34

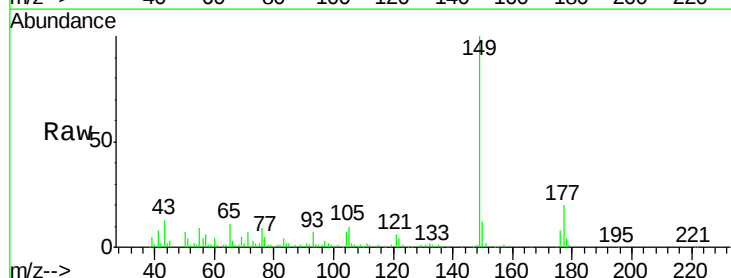
Tgt Ion:149 Resp: 87424

Ion Ratio Lower Upper

149 100

177 19.8 16.7 25.1

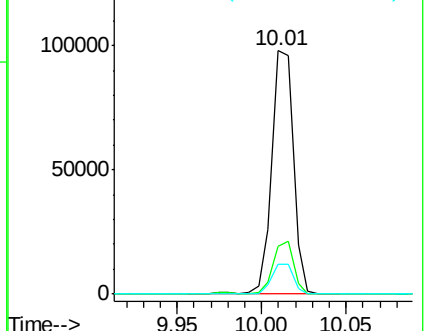
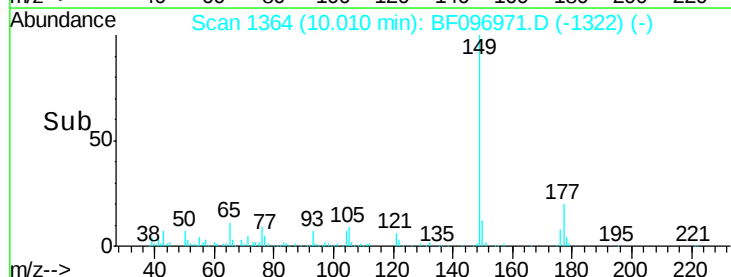
150 12.4 10.2 15.2

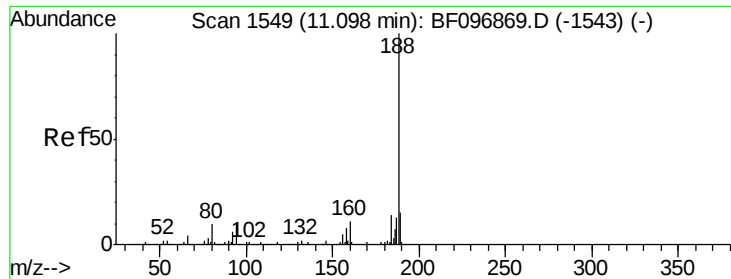


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

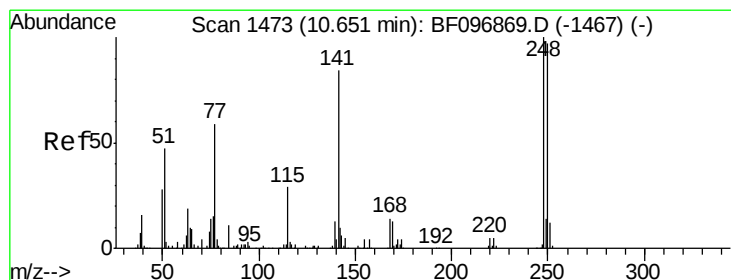
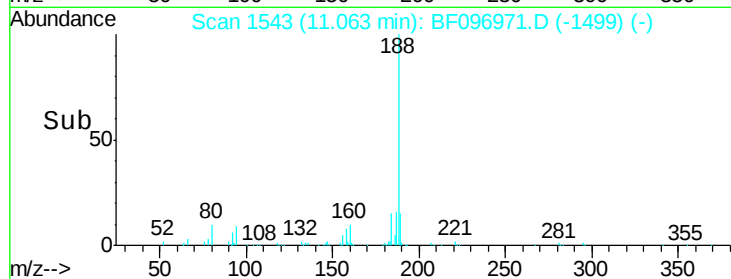
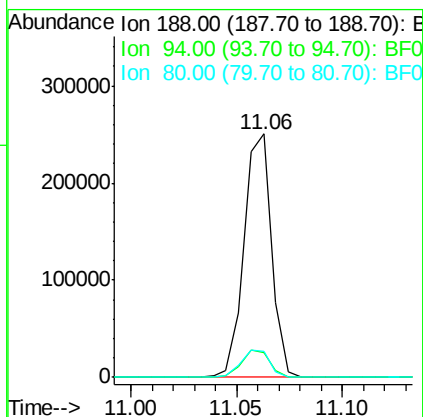
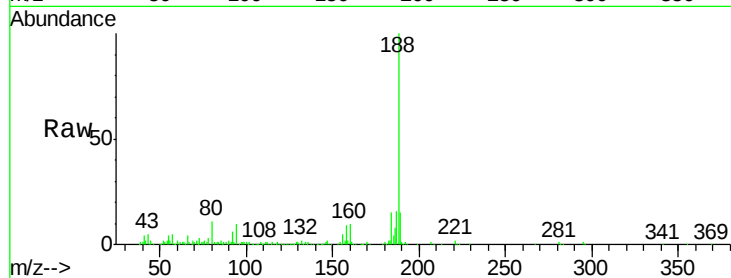




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 1543
Delta R.T. -0.04 min
Lab File: BF096971.D
Acq: 22 Jul 2017 5:34

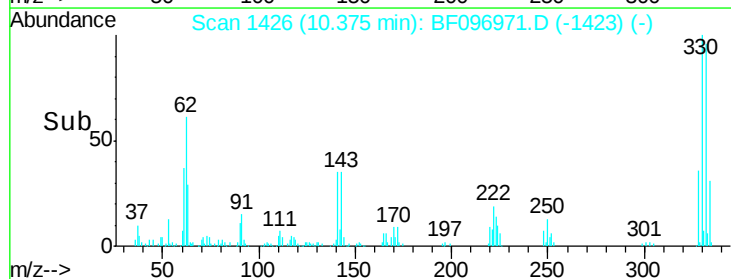
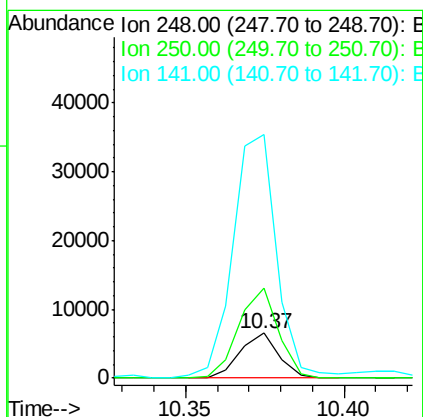
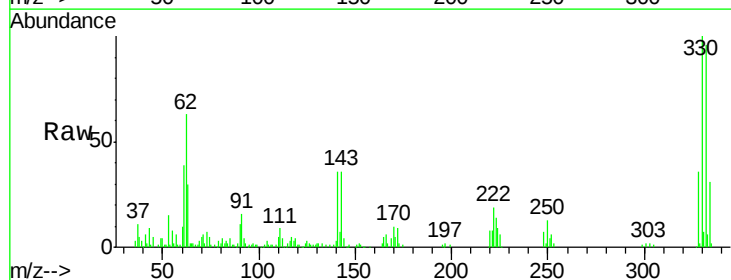
Instrument :
BNA_F
ClientSampleId :
M-COMB-05

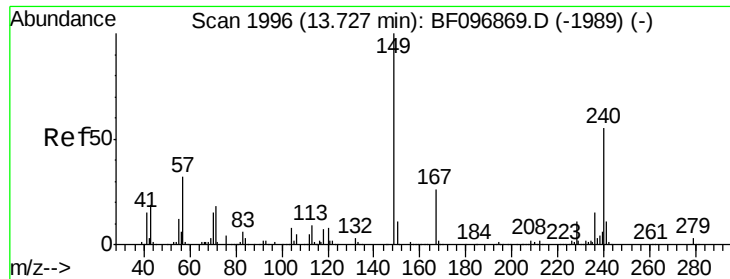
Tgt Ion:188 Resp: 226469
Ion Ratio Lower Upper
188 100
94 10.2 9.4 14.2
80 10.8 10.2 15.2



#66
4-Bromophenyl-phenylether
Concen: 2.36 ng
RT: 10.37 min Scan# 1426
Delta R.T. -0.28 min
Lab File: BF096971.D
Acq: 22 Jul 2017 5:34

Tgt Ion:248 Resp: 5465
Ion Ratio Lower Upper
248 100
250 201.4 76.8 115.2#
141 543.5 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: BF096971.D

Acq: 22 Jul 2017 5:34

Instrument :

BNA_F

ClientSampleId :

M-COMB-05

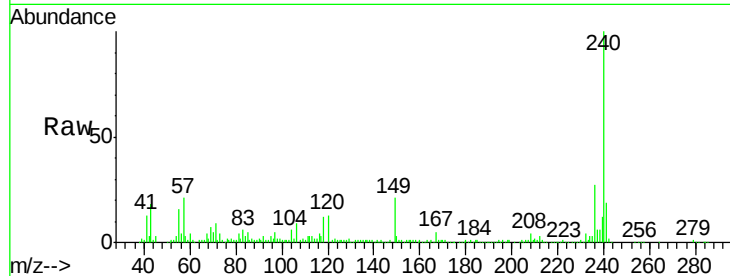
Tgt Ion:240 Resp: 223030

Ion Ratio Lower Upper

240 100

120 12.9 5.8 8.8#

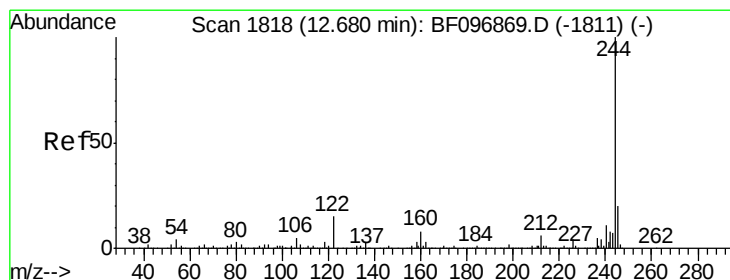
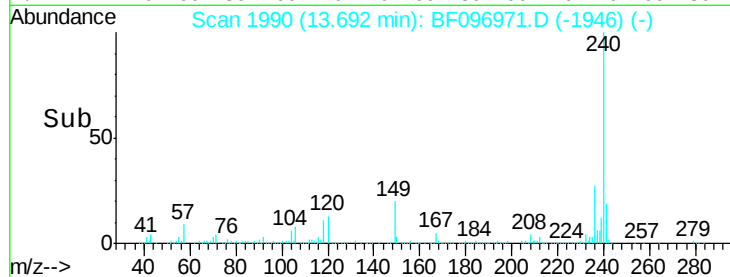
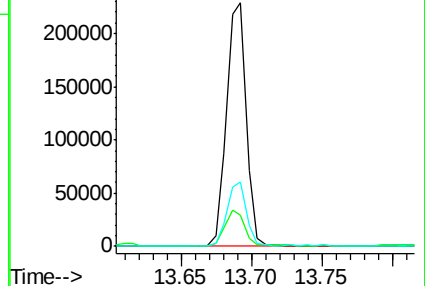
236 26.5 20.5 30.7



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



#78

Terphenyl-d14

Concen: 38.82 ng

RT: 12.65 min Scan# 1813

Delta R.T. -0.04 min

Lab File: BF096971.D

Acq: 22 Jul 2017 5:34

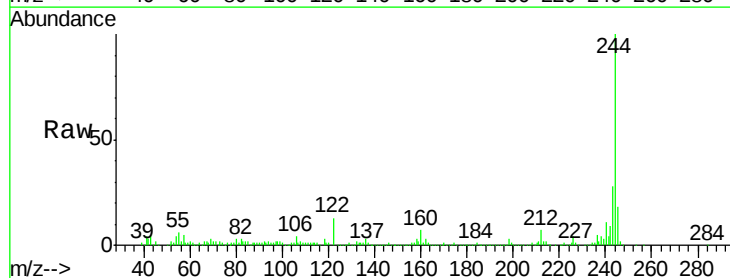
Tgt Ion:244 Resp: 499186

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

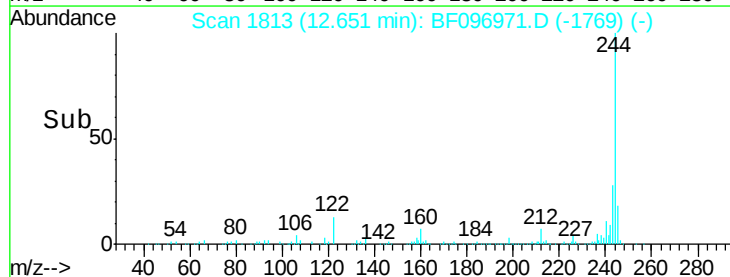
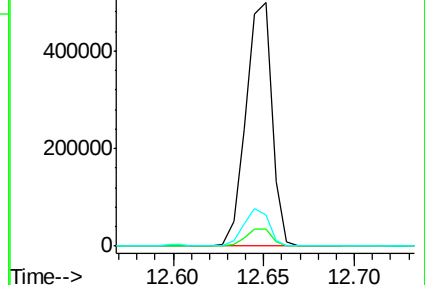
122 12.9 10.3 15.5

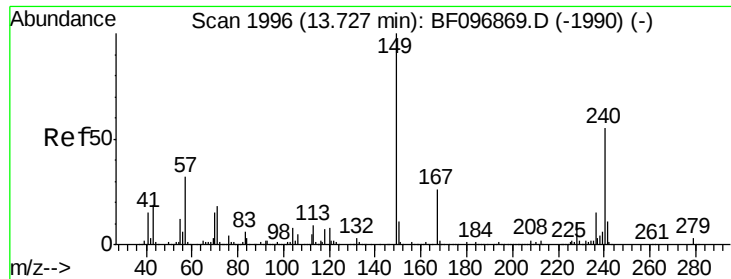


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

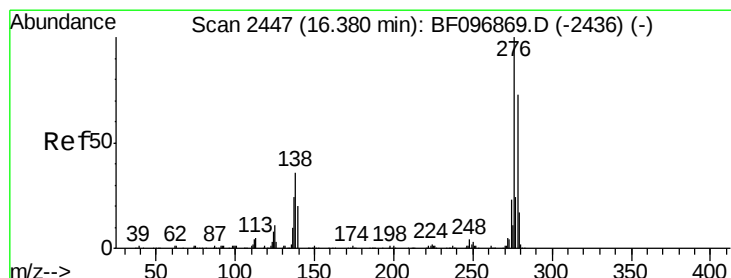
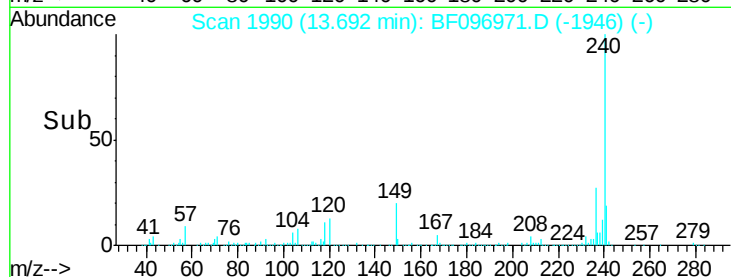
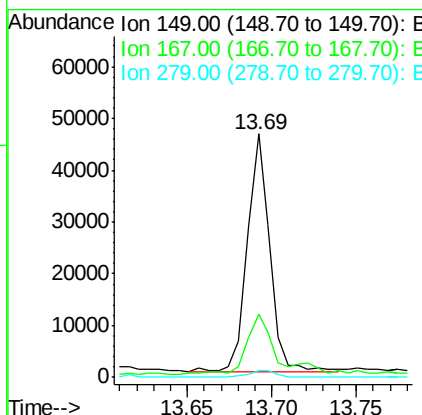
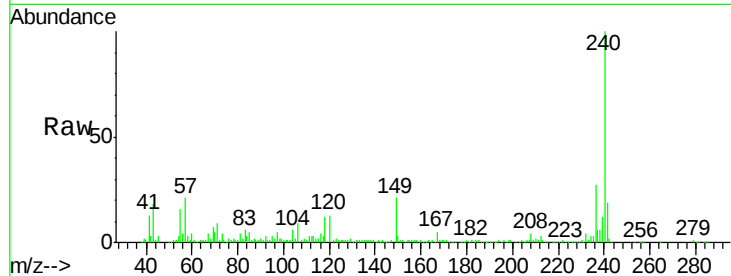




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.66 ng
 RT: 13.69 min Scan# 1990
 Delta R.T. -0.04 min
 Lab File: BF096971.D
 Acq: 22 Jul 2017 5:34

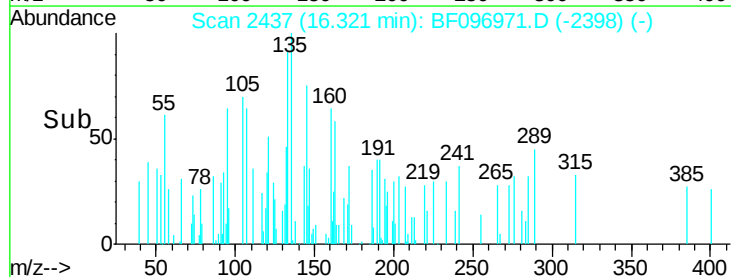
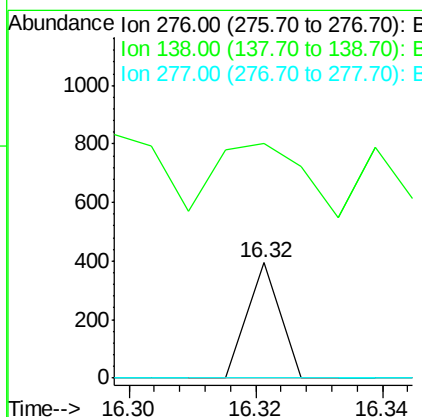
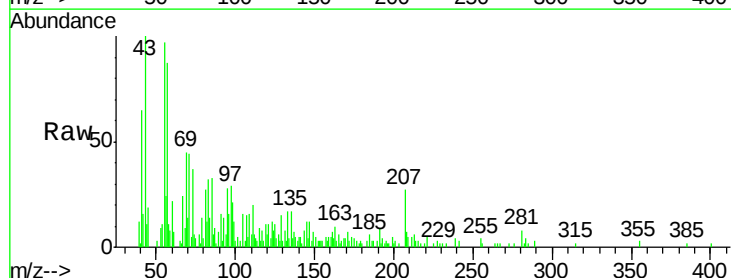
Instrument :
 BNA_F
 ClientSampleId :
 M-COMB-05

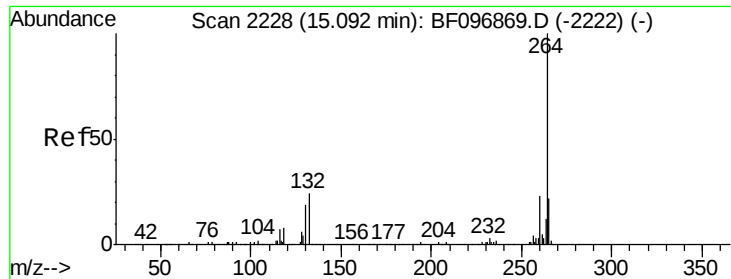
Tgt Ion:149 Resp: 42809
 Ion Ratio Lower Upper
 149 100
 167 26.0 21.0 31.4
 279 2.8 1.9 2.9



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.34 ng
 RT: 16.32 min Scan# 2437
 Delta R.T. -0.07 min
 Lab File: BF096971.D
 Acq: 22 Jul 2017 5:34

Tgt Ion:276 Resp: 139
 Ion Ratio Lower Upper
 276 100
 138 169.1 27.8 41.6#
 277 0.0 20.2 30.4#

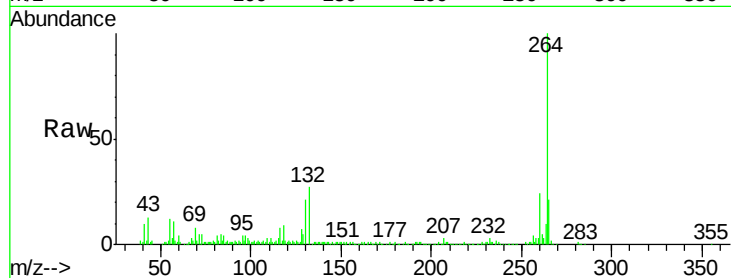




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 2221
Delta R.T. -0.05 min
Lab File: BF096971.D
Acq: 22 Jul 2017 5:34

Instrument :
BNA_F
ClientSampleId :
M-COMB-05

Tgt Ion: 264 Resp: 205528
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 20.9 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

