

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
 Data File : BF096864.D
 Acq On : 19 Jul 2017 00:44
 Operator : SJ/JU
 Sample : I4234-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-COMB-07

Quant Time: Jul 19 04:06:04 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	6.60	152	93400	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	352122	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	125566	20.00	ng	0.00
63) Phenanthrene-d10	11.10	188	208891	20.00	ng	0.00
75) Chrysene-d12	13.73	240	192067	20.00	ng	0.00
86) Perylene-d12	15.10	264	117047	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	64700	10.42	ng	0.00
7) Phenol-d6	6.25	99	55523	7.45	ng	0.00
23) Nitrobenzene-d5	7.16	82	310317	54.59	ng	0.00
41) 2,4,6-Tribromophenol	10.42	330	24139	22.52	ng	0.00
44) 2-Fluorobiphenyl	8.96	172	603445	75.93	ng	0.00
78) Terphenyl-d14	12.69	244	451030	40.73	ng	0.00

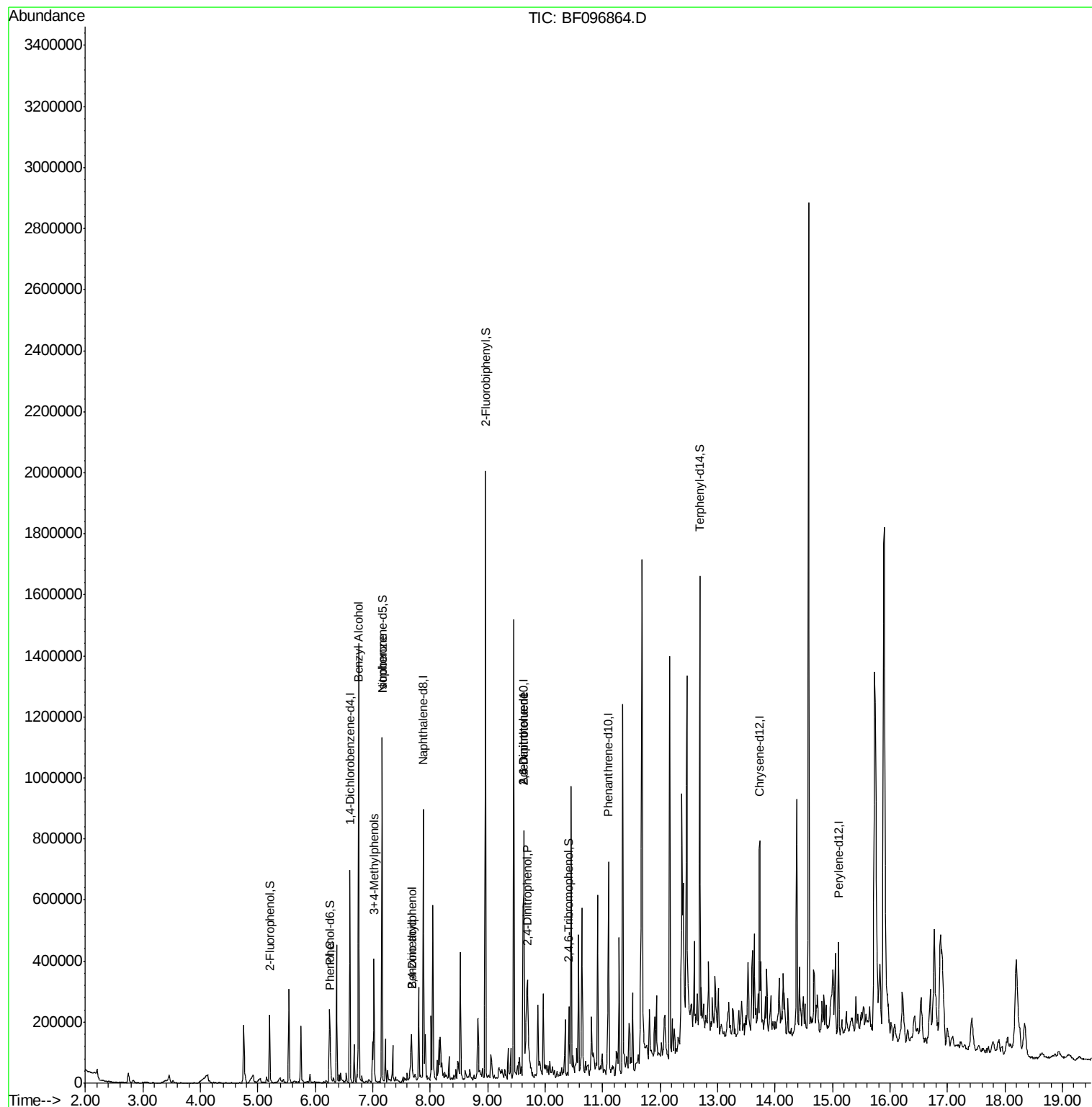
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.26	94	33819	4.01	ng	97
15) Benzyl Alcohol	6.75	79	22375	4.58	ng	94
20) 3+4-Methylphenols	7.02	107	45743	7.23	ng	# 58
25) Isophorone	7.16	82	307543	29.08	ng	# 67
27) 2,4-Dimethylphenol	7.67	122	12064	2.24	ng	# 22
32) Benzoic acid	7.67	122	12064	3.51	ng	97
50) 2,6-Dinitrotoluene	9.63	165	15645	7.64	ng	# 33
53) 2,4-Dinitrophenol	9.67	184	659	7.34	ng	# 4
56) 2,4-Dinitrotoluene	9.63	165	15645	5.95	ng	# 33

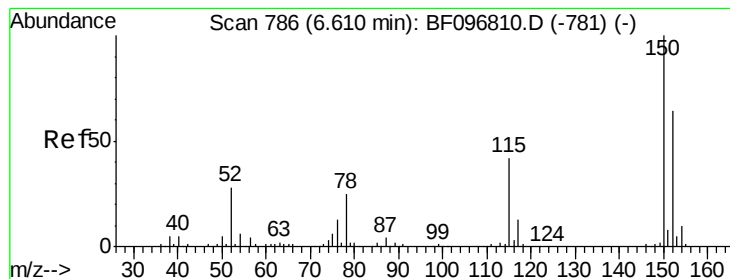
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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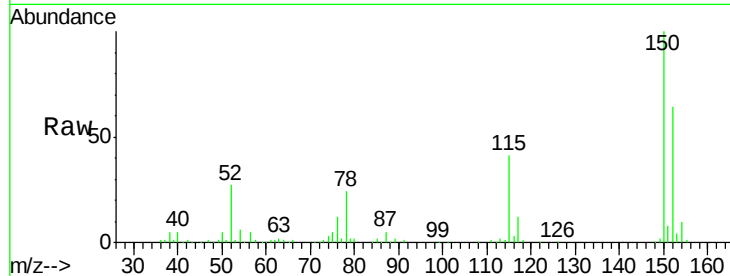




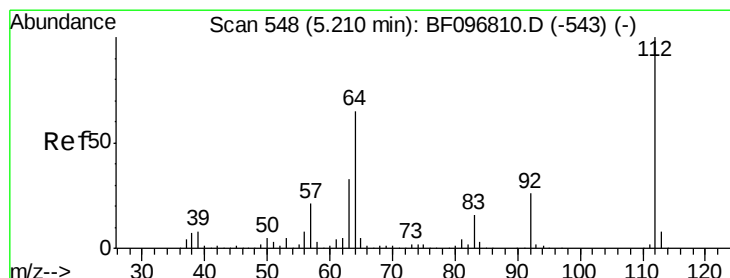
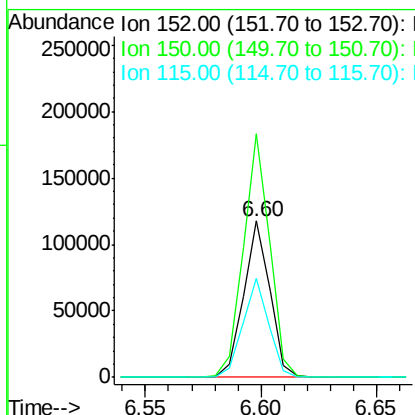
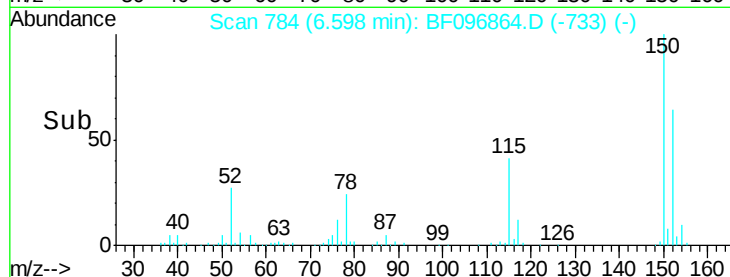
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.60 min Scan# 784
 Delta R.T. -0.00 min
 Lab File: BF096864.D
 Acq: 19 Jul 2017 00:44

Instrument :
 BNA_F
 ClientSampleId :
 M-COMB-07

Tot Ion:152 Resp: 93400
 Ion Ratio Lower Upper
 152 100
 150 156.1 126.2 189.2
 115 63.4 52.2 78.2

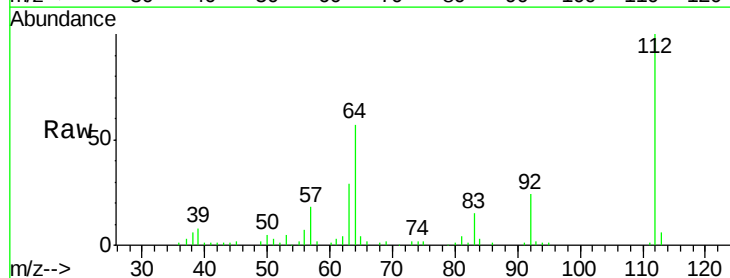


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

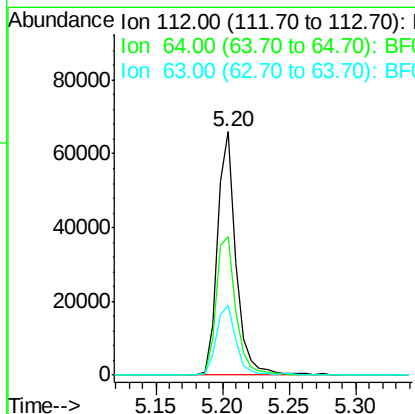
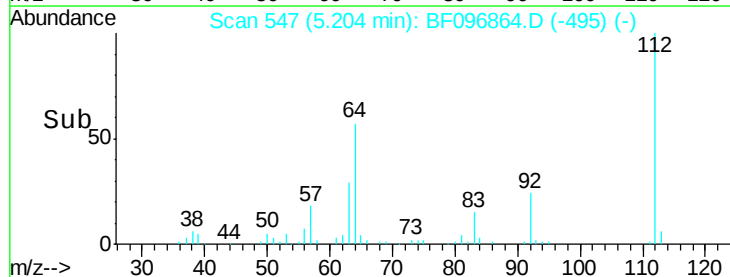


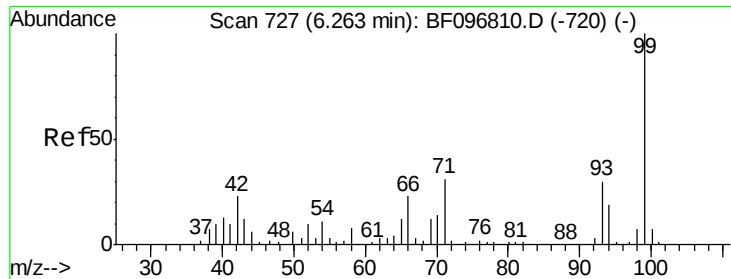
#5
 2-Fluorophenol
 Concen: 10.42 ng
 RT: 5.20 min Scan# 547
 Delta R.T. 0.01 min
 Lab File: BF096864.D
 Acq: 19 Jul 2017 00:44

Tgt Ion:112 Resp: 64700
 Ion Ratio Lower Upper
 112 100
 64 56.9 46.0 69.0
 63 28.7 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: 7.45 ng

RT: 6.25 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF096864.D

Acq: 19 Jul 2017 00:44

Instrument :

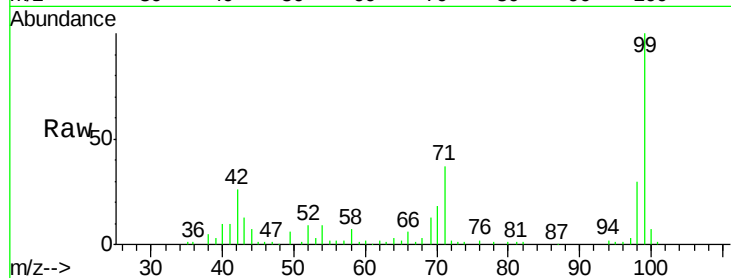
BNA_F

ClientSampleId :

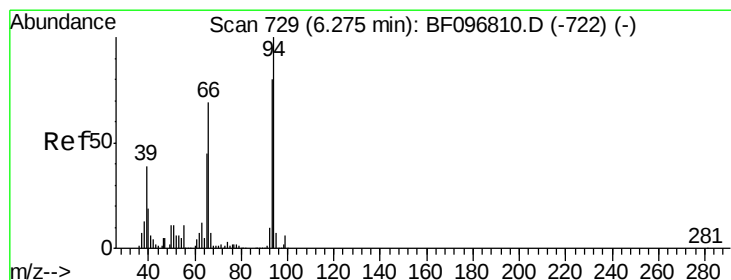
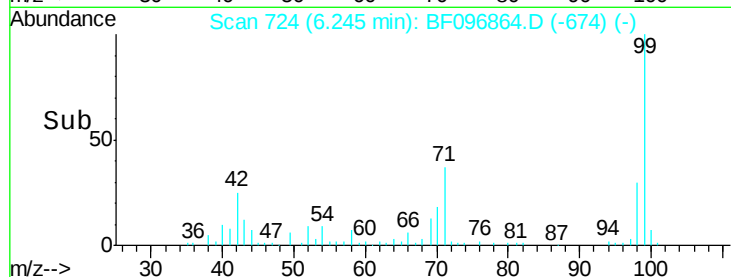
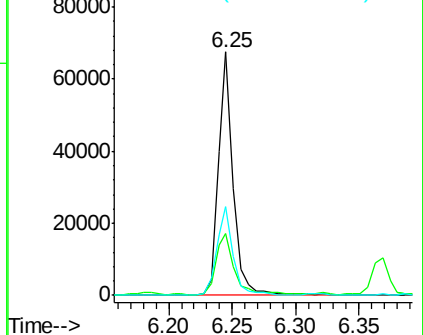
M-COMB-07

Tot Ion: 99 Resp: 55523

Ion	Ratio	Lower	Upper
99	100		
42	25.6	13.5	20.3#
71	36.7	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: 4.01 ng

RT: 6.26 min Scan# 726

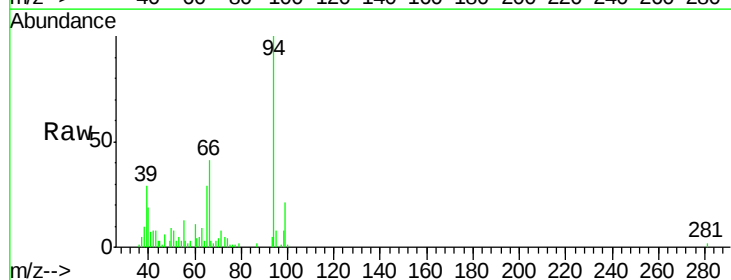
Delta R.T. -0.01 min

Lab File: BF096864.D

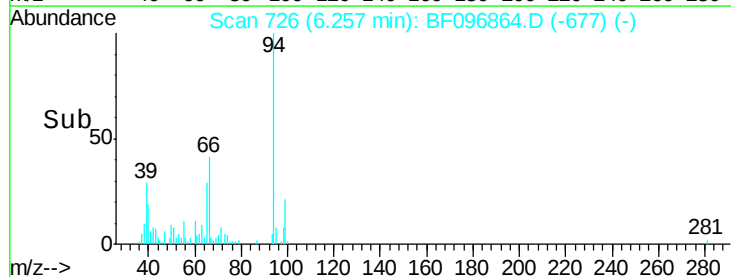
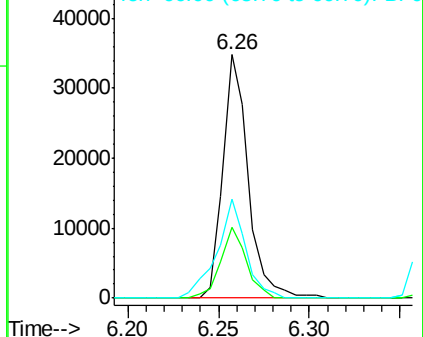
Acq: 19 Jul 2017 00:44

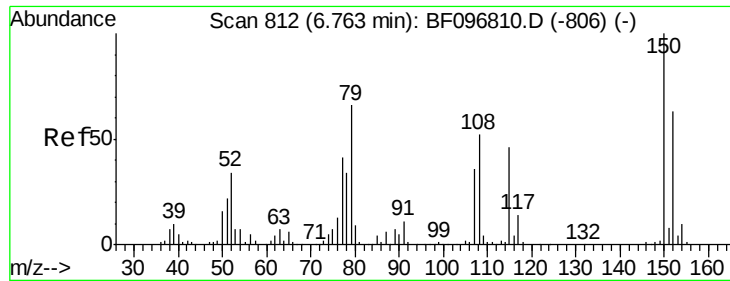
Tgt Ion: 94 Resp: 33819

Ion	Ratio	Lower	Upper
94	100		
65	28.9	9.9	49.9
66	40.5	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

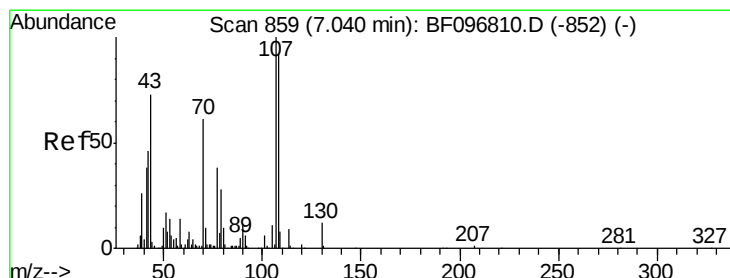
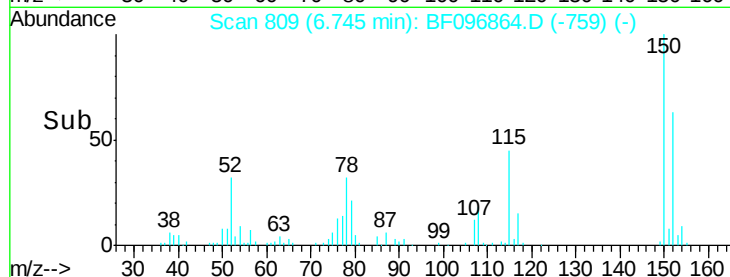
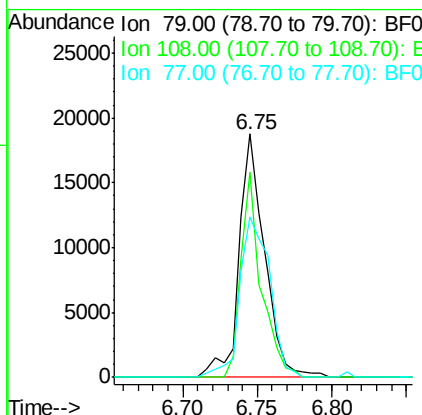
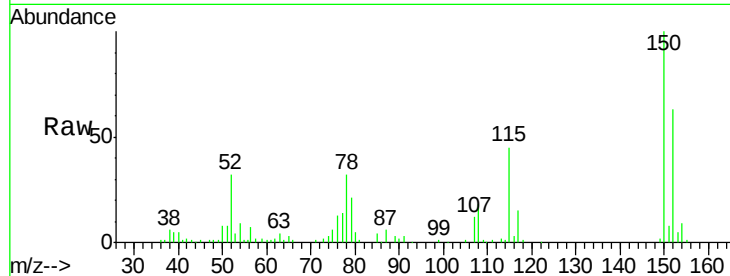




#15
Benzyl Alcohol
Concen: 4.58 ng
RT: 6.75 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF096864.D
Acq: 19 Jul 2017 00:44

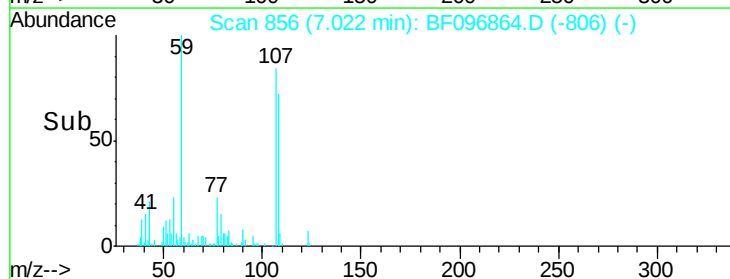
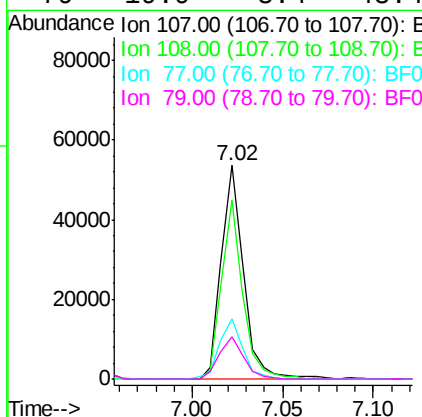
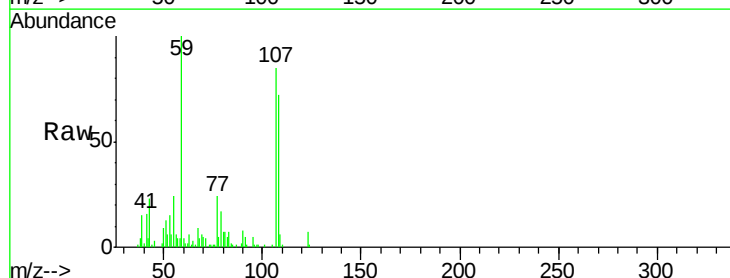
Instrument :
BNA_F
ClientSampleId :
M-COMB-07

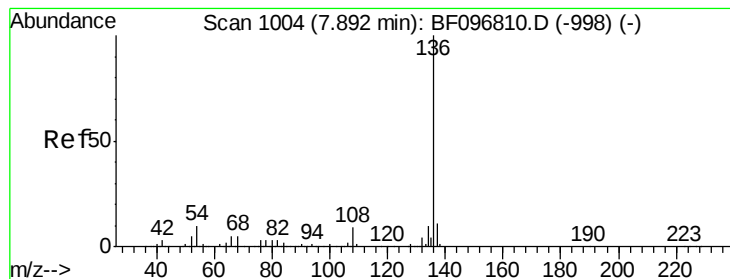
Tot Ion: 79 Resp: 22375
Ion Ratio Lower Upper
79 100
108 84.4 63.4 95.0
77 65.8 49.2 73.8



#20
3+4-Methylphenols
Concen: 7.23 ng
RT: 7.02 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF096864.D
Acq: 19 Jul 2017 00:44

Tgt Ion: 107 Resp: 45743
Ion Ratio Lower Upper
107 100
108 84.1 71.0 111.0
77 28.4 90.5 130.5#
79 19.9 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF096864.D

Acq: 19 Jul 2017 00:44

Instrument :

BNA_F

ClientSampleId :

M-COMB-07

Tot Ion:136 Resp: 352122

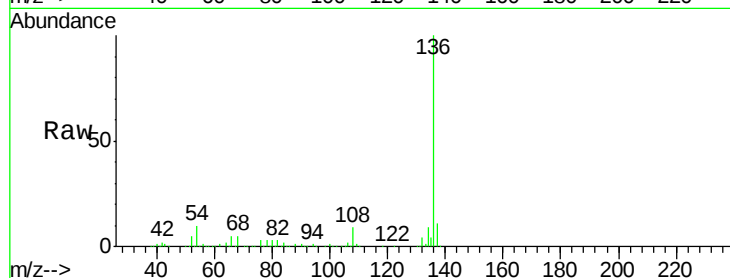
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 9.9 4.9 7.3#

68 4.7 4.1 6.1

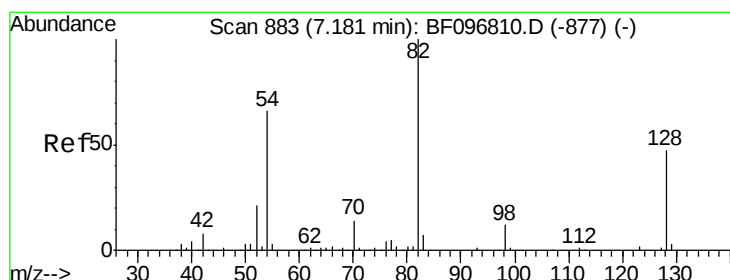
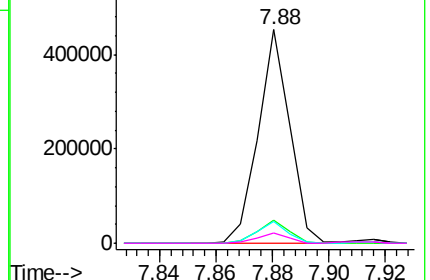
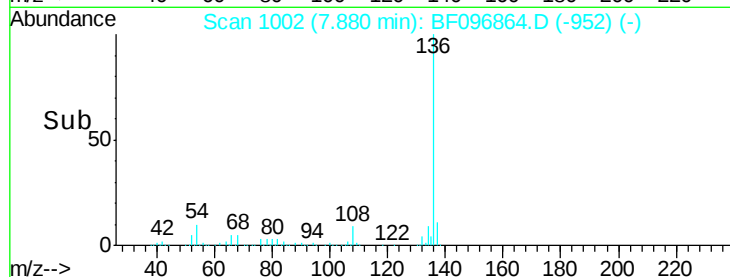


Abundance Ion 136.00 (135.70 to 136.70): E

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: 54.59 ng

RT: 7.16 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF096864.D

Acq: 19 Jul 2017 00:44

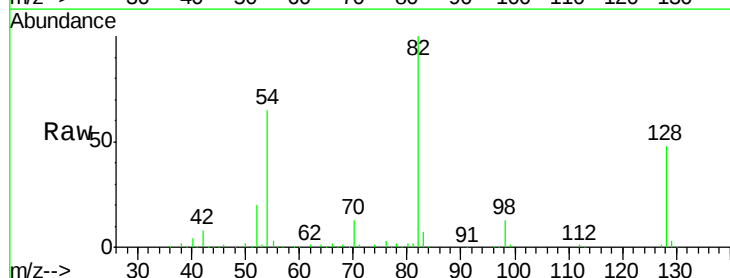
Tgt Ion: 82 Resp: 310317

Ion Ratio Lower Upper

82 100

128 48.1 34.0 51.0

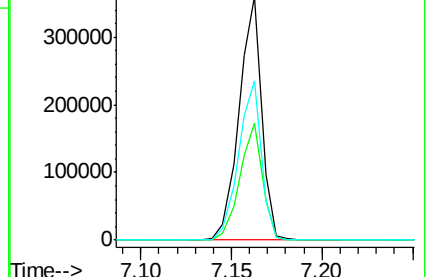
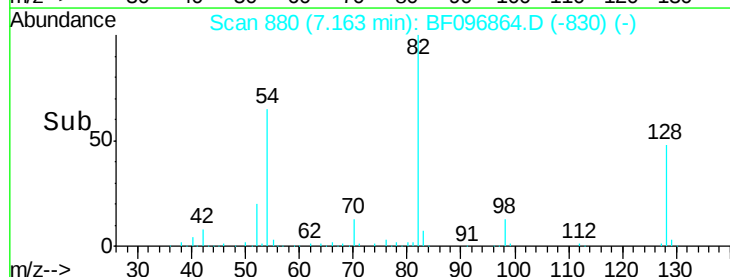
54 65.4 42.2 63.2#

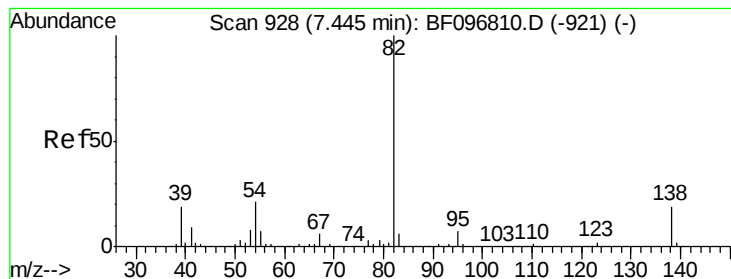


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 29.08 ng

RT: 7.16 min Scan# 880

Delta R.T. -0.27 min

Lab File: BF096864.D

Acq: 19 Jul 2017 00:44

Instrument :

BNA_F

ClientSampleId :

M-COMB-07

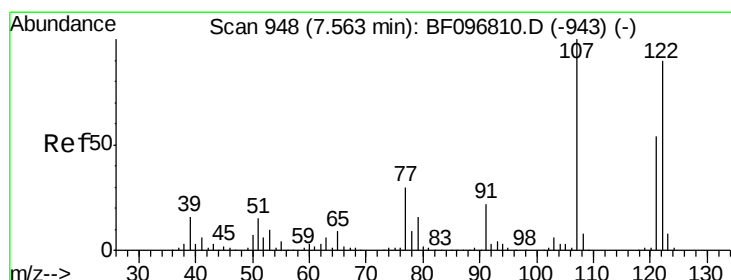
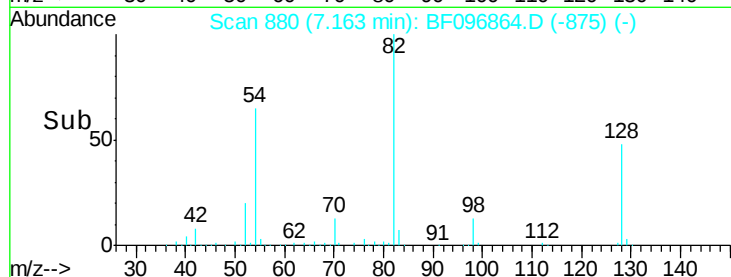
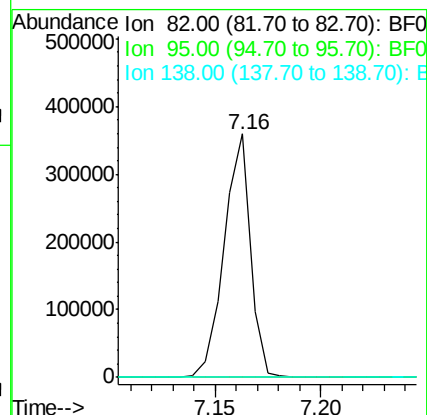
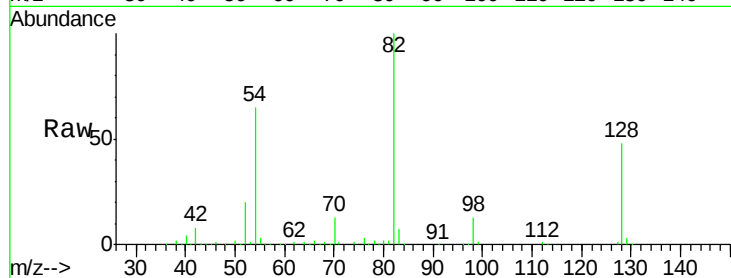
Tot Ion: 82 Resp: 307543

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: 2.24 ng

RT: 7.67 min Scan# 966

Delta R.T. 0.11 min

Lab File: BF096864.D

Acq: 19 Jul 2017 00:44

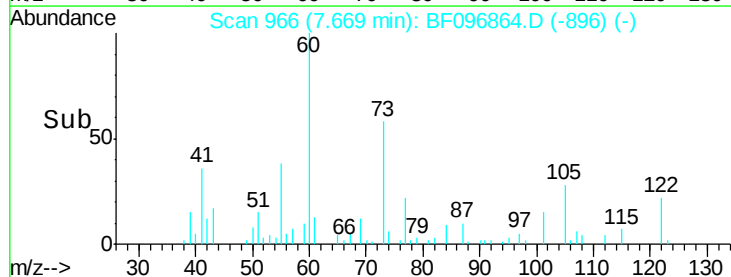
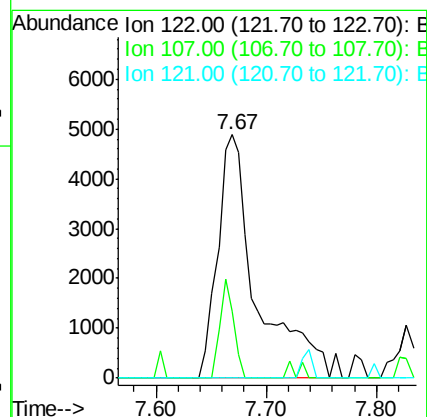
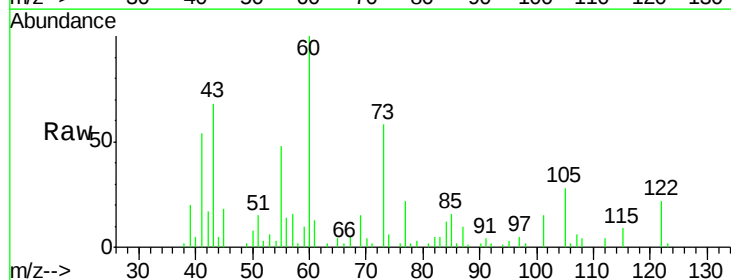
Tgt Ion: 122 Resp: 12064

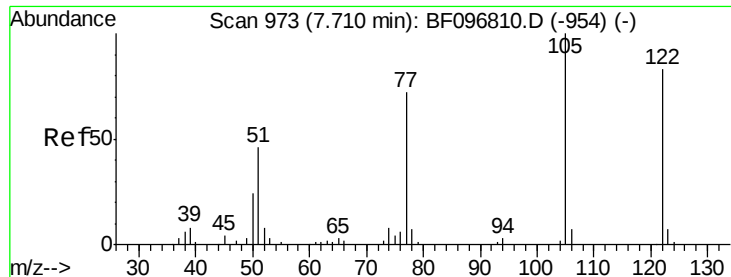
Ion Ratio Lower Upper

122 100

107 27.5 89.2 133.8#

121 0.0 45.2 67.8#

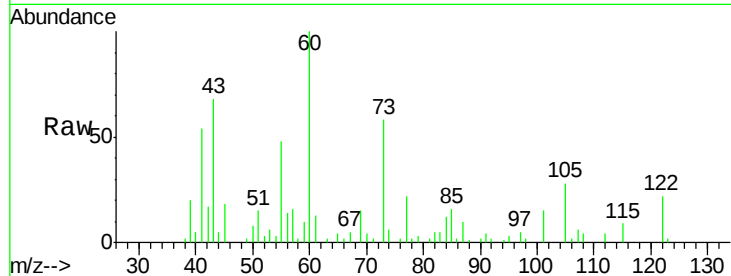




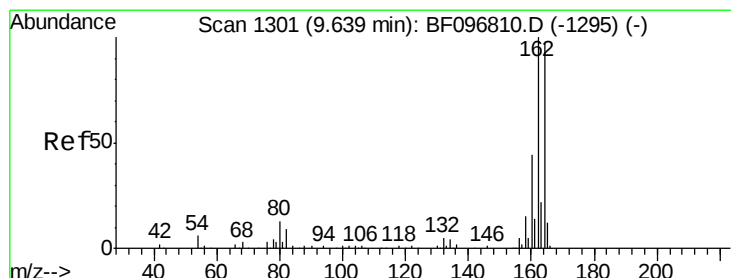
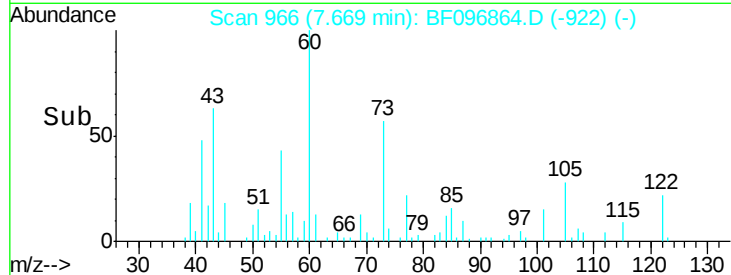
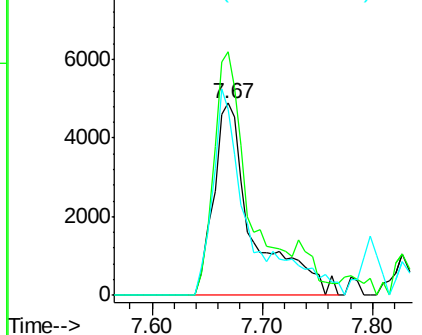
#32
Benzoic acid
Concen: 3.51 ng
RT: 7.67 min Scan# 966
Delta R.T. -0.04 min
Lab File: BF096864.D
Acq: 19 Jul 2017 00:44

Instrument :
BNA_F
ClientSampleId :
M-COMB-07

Tot Ion:122 Resp: 12064
Ion Ratio Lower Upper
122 100
105 126.7 103.3 143.3
77 97.1 73.7 113.7

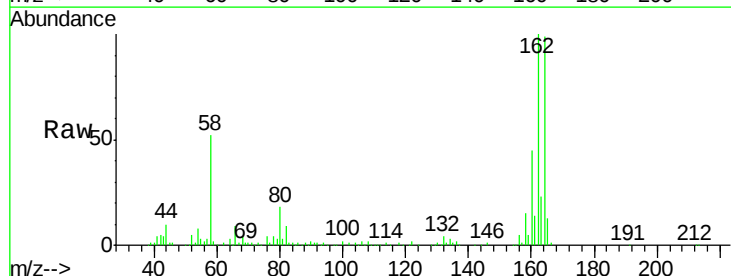


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

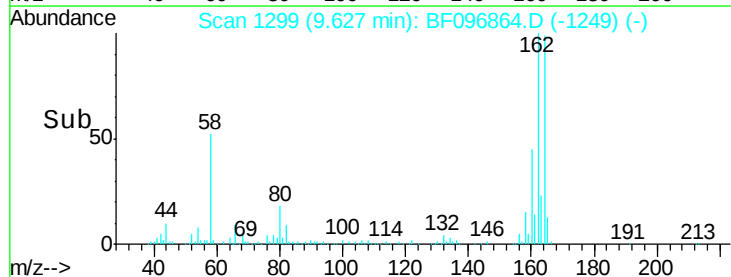
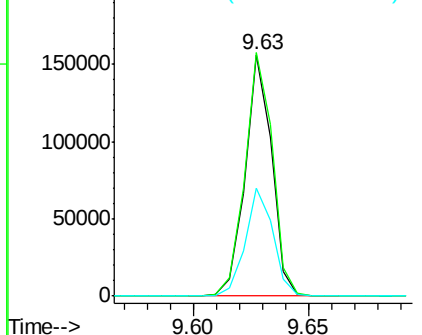


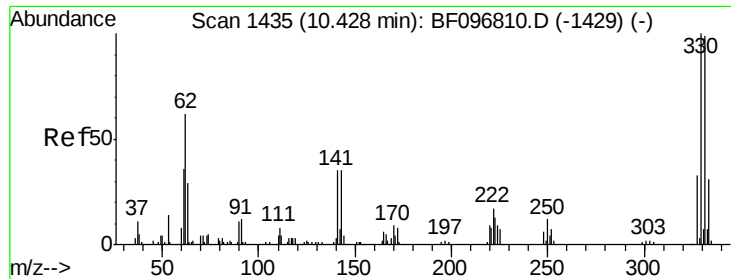
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF096864.D
Acq: 19 Jul 2017 00:44

Tgt Ion:164 Resp: 125566
Ion Ratio Lower Upper
164 100
162 100.9 82.6 123.8
160 45.0 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

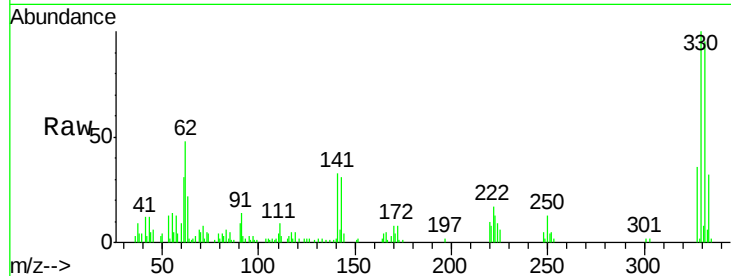




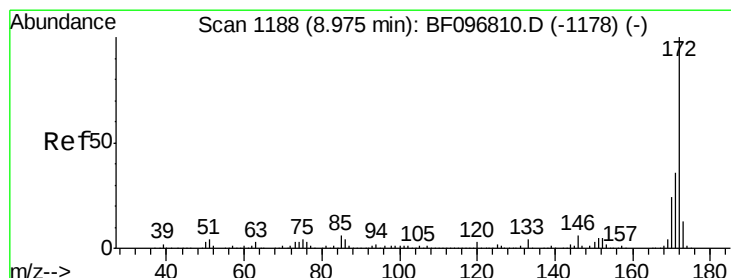
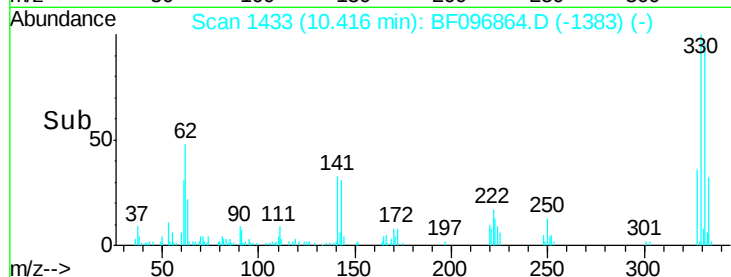
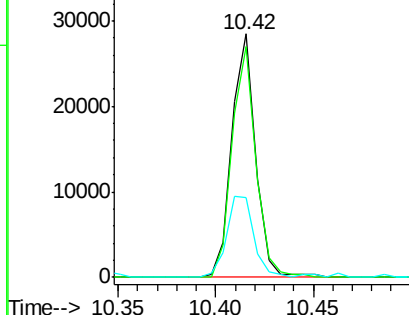
#41
 2,4,6-Tribromophenol
 Concen: 22.52 ng
 RT: 10.42 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF096864.D
 Acq: 19 Jul 2017 00:44

Instrument :
 BNA_F
 ClientSampleId :
 M-COMB-07

Tot Ion:330 Resp: 24139
 Ion Ratio Lower Upper
 330 100
 332 94.8 76.6 115.0
 141 38.1 31.4 47.2

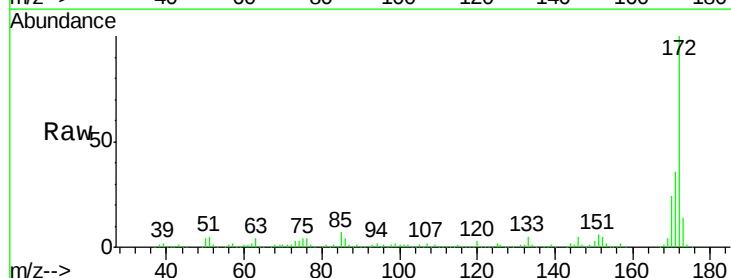


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

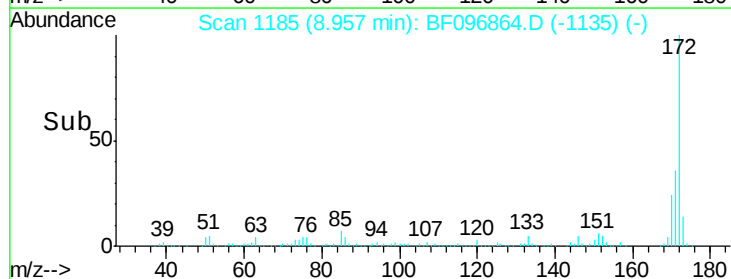
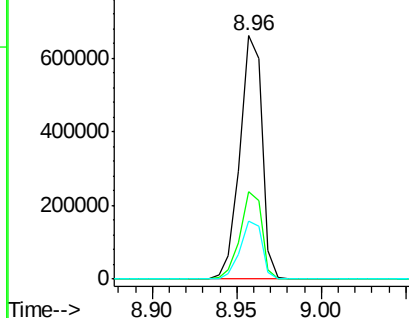


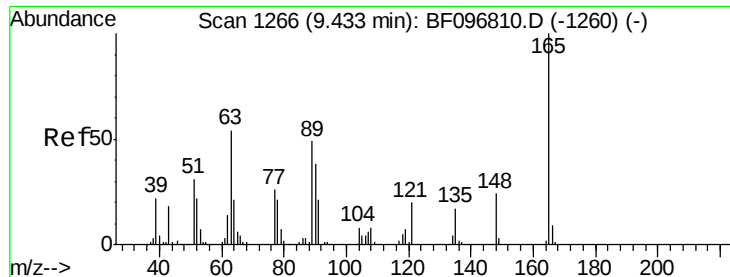
#44
 2-Fluorobiphenyl
 Concen: 75.93 ng
 RT: 8.96 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF096864.D
 Acq: 19 Jul 2017 00:44

Tgt Ion:172 Resp: 603445
 Ion Ratio Lower Upper
 172 100
 171 35.9 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





#50

2,6-Dinitrotoluene

Concen: 7.64 ng

RT: 9.63 min Scan# 1299

Delta R.T. 0.20 min

Lab File: BF096864.D

Acq: 19 Jul 2017 00:44

Instrument :

BNA_F

ClientSampleId :

M-COMB-07

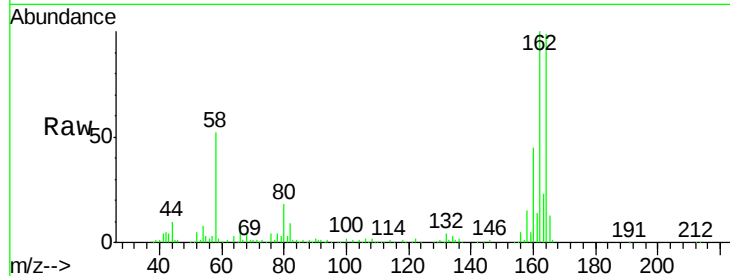
Tot Ion:165 Resp: 15645

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

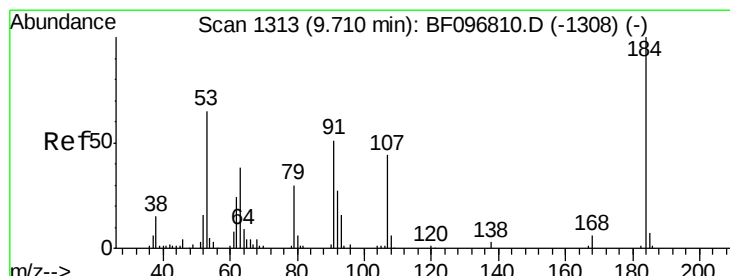
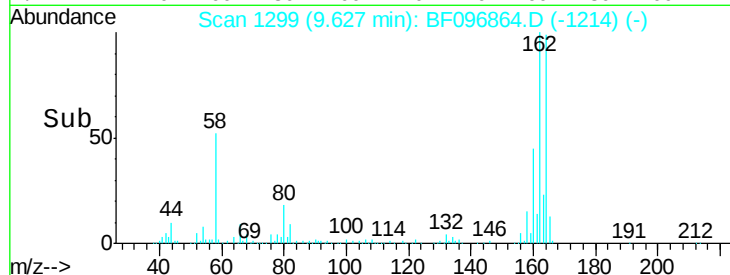
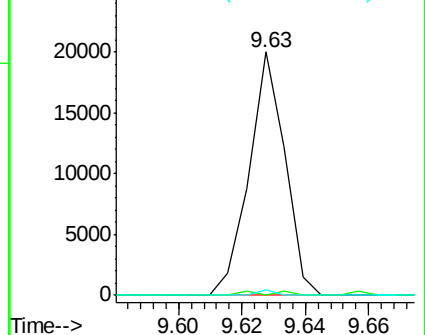
89 2.1 37.1 55.7#



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



#53

2,4-Dinitrophenol

Concen: 7.34 ng

RT: 9.67 min Scan# 1307

Delta R.T. -0.03 min

Lab File: BF096864.D

Acq: 19 Jul 2017 00:44

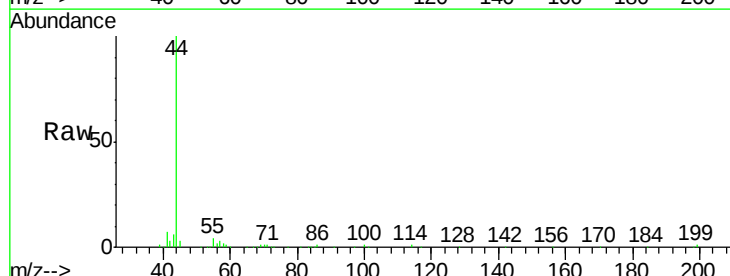
Tgt Ion:184 Resp: 659

Ion Ratio Lower Upper

184 100

63 0.0 62.7 94.1#

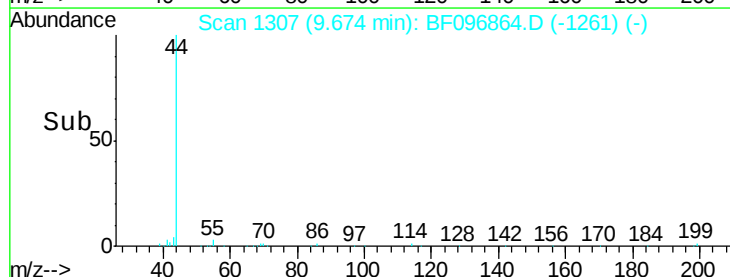
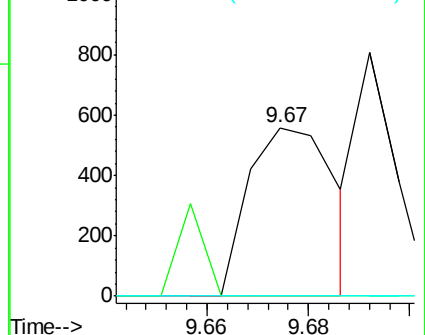
154 0.0 81.1 121.7#

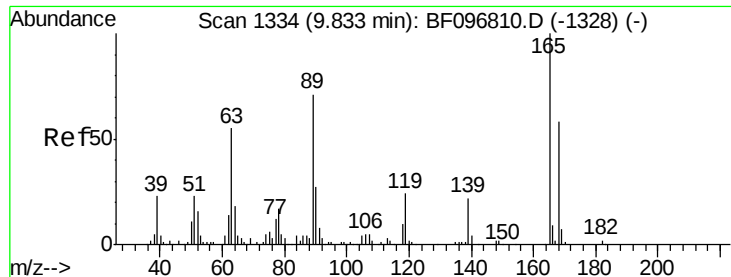


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

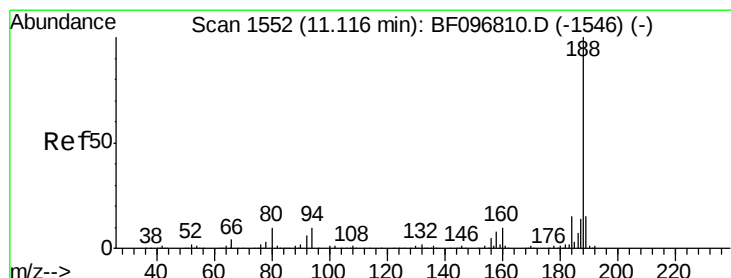
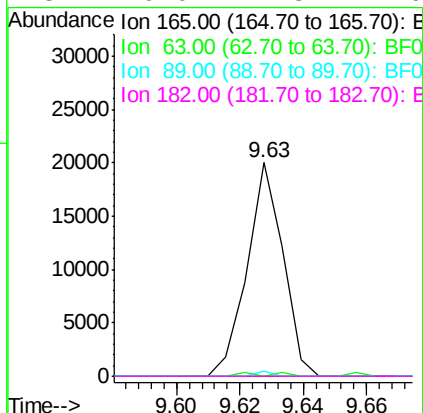
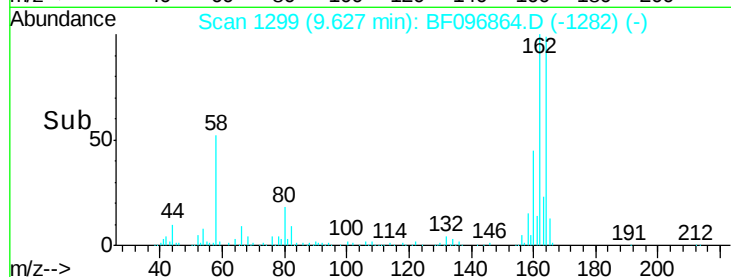
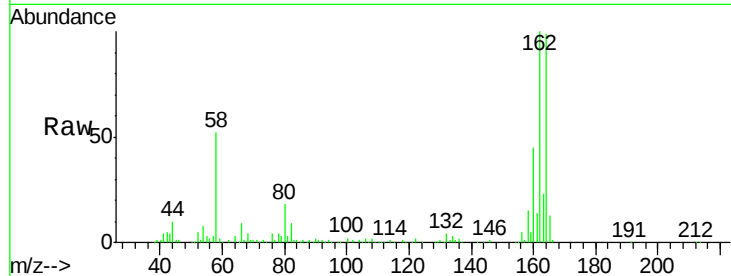




#56
2,4-Dinitrotoluene
Concen: 5.95 ng
RT: 9.63 min Scan# 1299
Delta R.T. -0.20 min
Lab File: BF096864.D
Acq: 19 Jul 2017 00:44

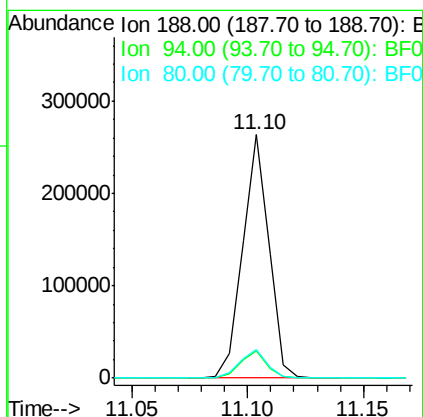
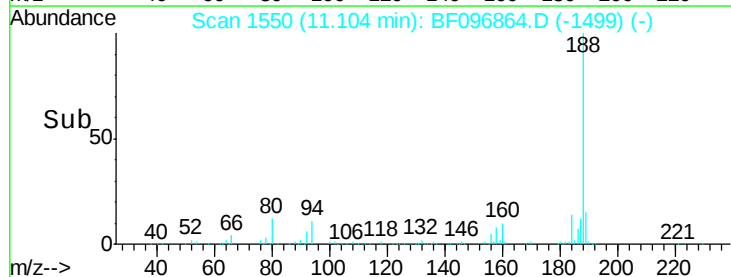
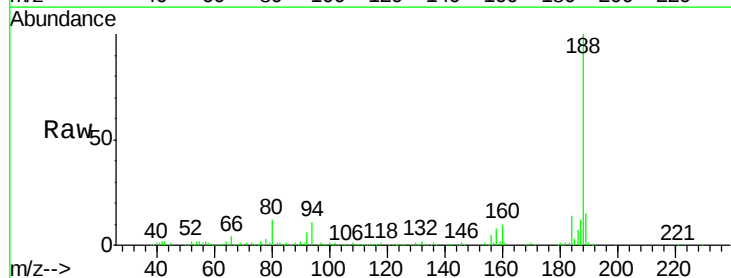
Instrument :
BNA_F
ClientSampleId :
M-COMB-07

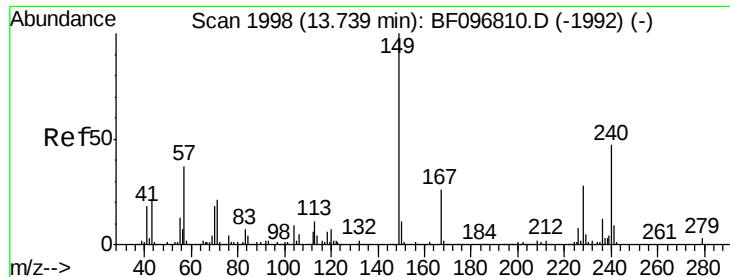
Tot Ion:165 Resp: 15645
Ion Ratio Lower Upper
165 100
63 0.0 25.4 38.0#
89 2.1 46.4 69.6#
182 0.0 1.8 2.6#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 1550
Delta R.T. -0.00 min
Lab File: BF096864.D
Acq: 19 Jul 2017 00:44

Tgt Ion:188 Resp: 208891
Ion Ratio Lower Upper
188 100
94 11.4 9.4 14.2
80 11.8 10.2 15.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BF096864.D

Acq: 19 Jul 2017 00:44

Instrument :

BNA_F

ClientSampleId :

M-COMB-07

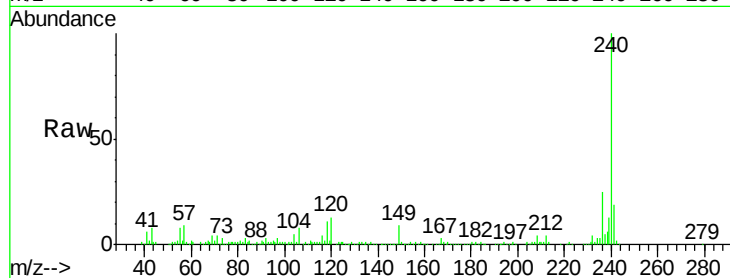
Tot Ion:240 Resp: 192067

Ion Ratio Lower Upper

240 100

120 12.7 5.8 8.8#

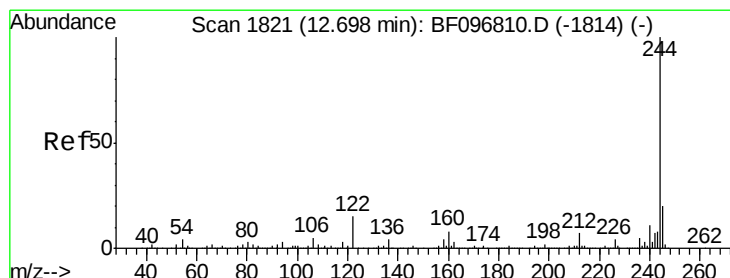
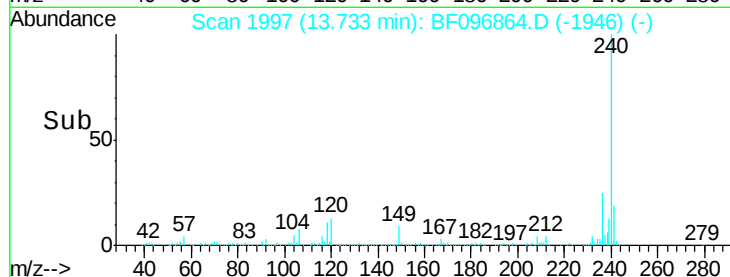
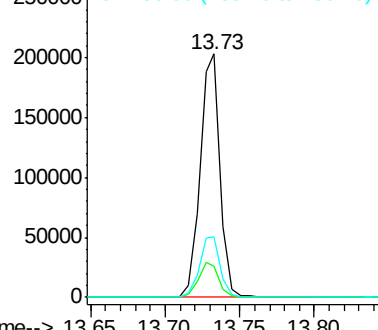
236 25.0 20.5 30.7



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: 40.73 ng

RT: 12.69 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BF096864.D

Acq: 19 Jul 2017 00:44

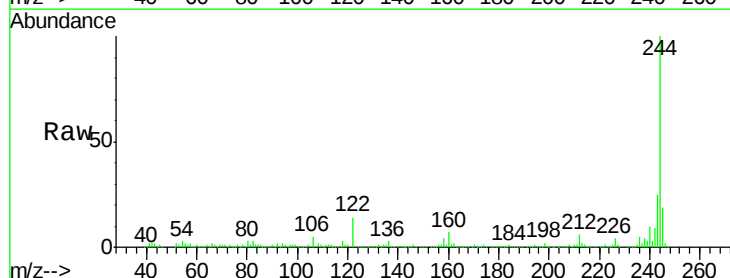
Tgt Ion:244 Resp: 451030

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

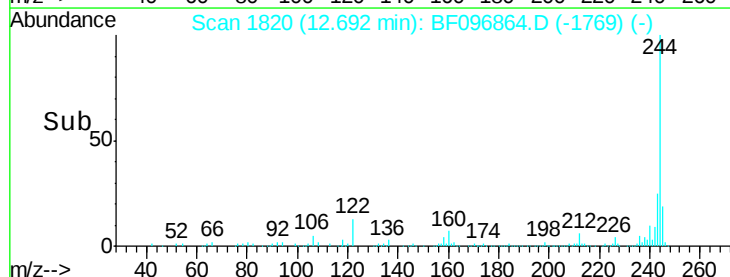
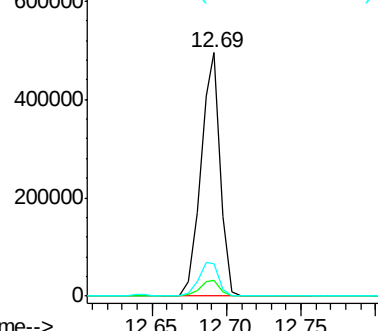
122 13.6 10.3 15.5

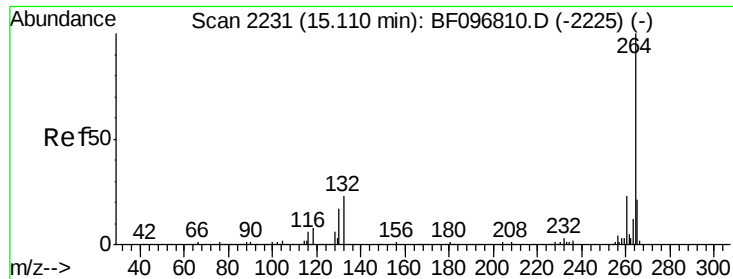


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

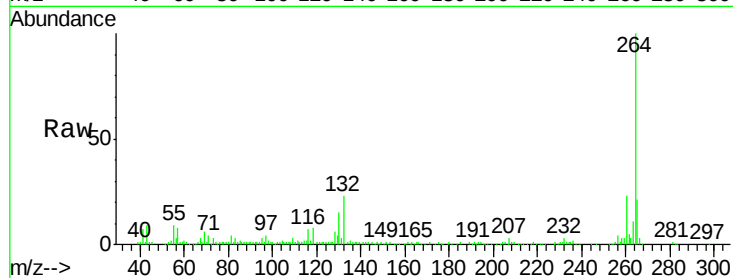




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.10 min Scan# 2230
 Delta R.T. -0.00 min
 Lab File: BF096864.D
 Acq: 19 Jul 2017 00:44

Instrument :
 BNA_F
 ClientSampleId :
 M-COMB-07

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	21.4	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

