

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 :
 DFTPP

Quant Time: Jul 19 04:01:50 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

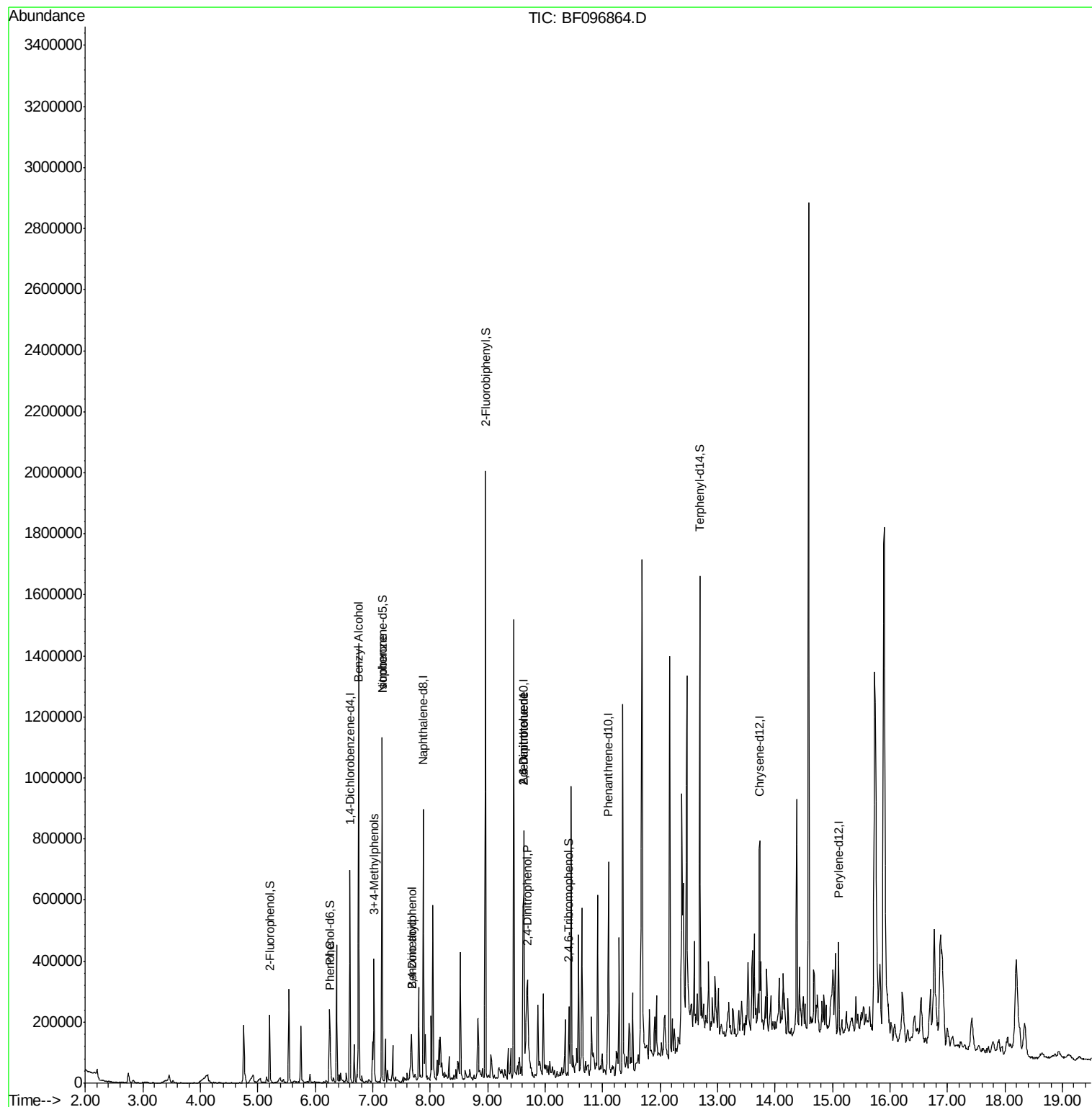
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.26	94	33819	4.01	ng	97
15) Benzyl Alcohol	6.75	79	22375	4.58	ng	94
20) 3+4-Methylphenols	7.02	107	45743	7.23	ng	# 58
25) Isophorone	7.16	82	307543	29.08	ng	# 67
27) 2,4-Dimethylphenol	7.67	122	12064	2.24	ng	# 22
32) Benzoic acid	7.67	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

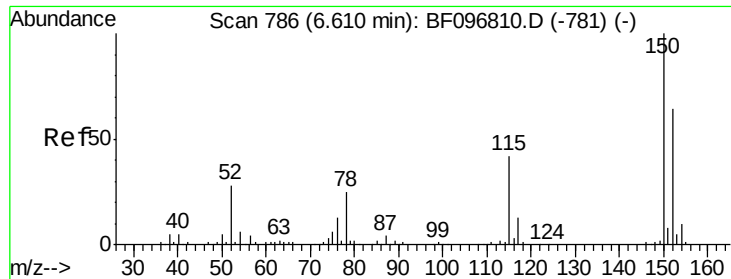
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#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 :

DFTPP

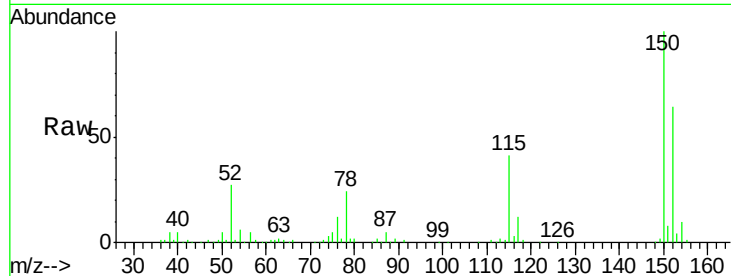
Tot Ion:152 Resp: 93400

Ion Ratio Lower Upper

152 100

150 156.1 126.2 189.2

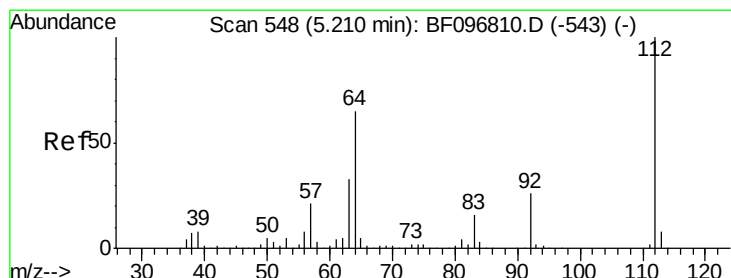
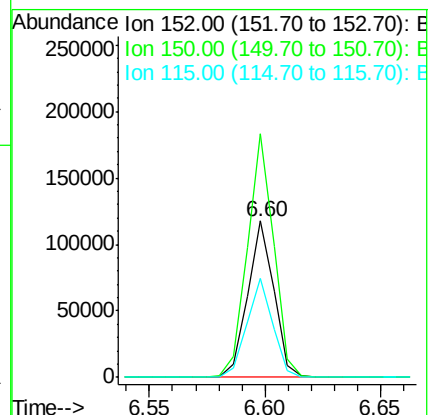
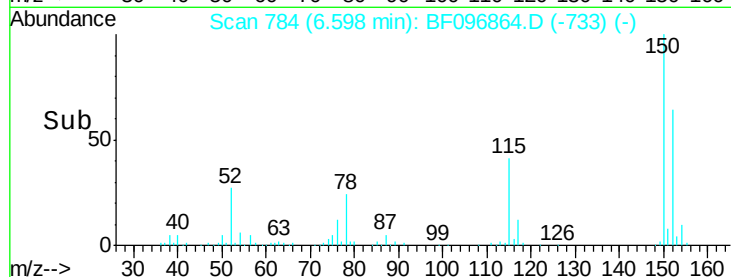
115 63.4 52.2 78.2



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

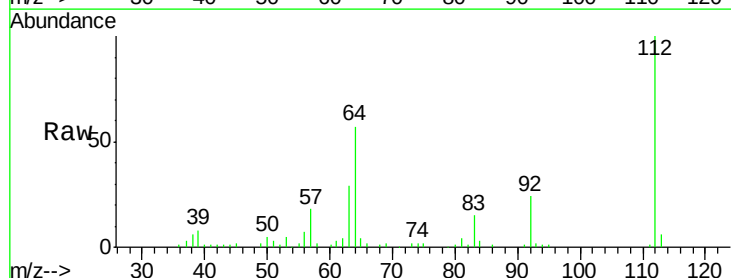
Tgt Ion:112 Resp: 64700

Ion Ratio Lower Upper

112 100

64 56.9 46.0 69.0

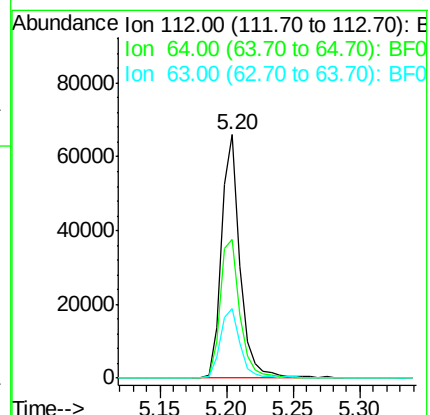
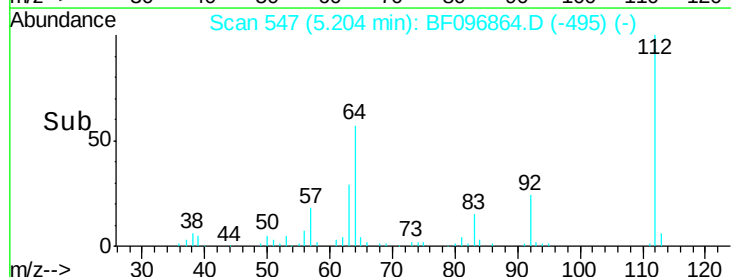
63 28.7 23.4 35.0

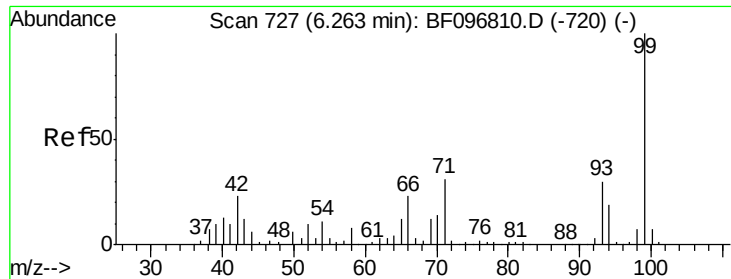


Abundance Ion 112.00 (111.70 to 112.70): E

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 :

DFTPP

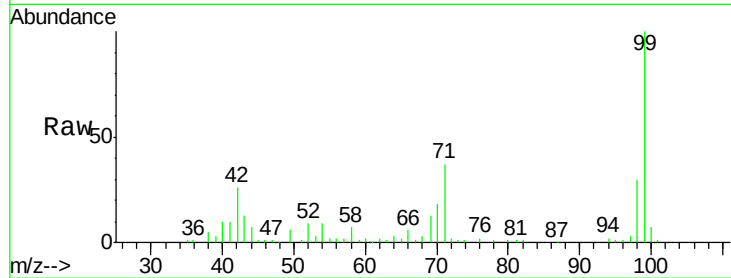
Tot Ion: 99 Resp: 55523

Ion Ratio Lower Upper

99 100

42 25.6 13.5 20.3#

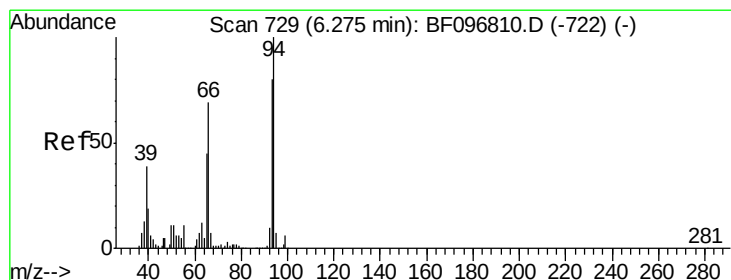
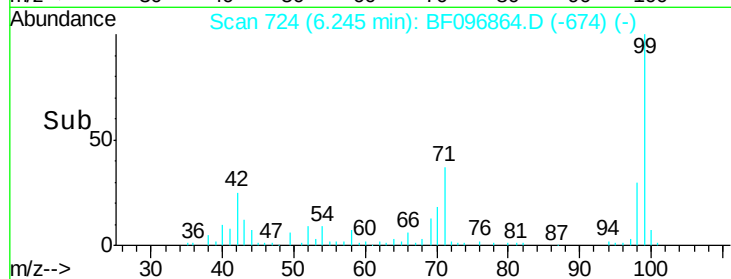
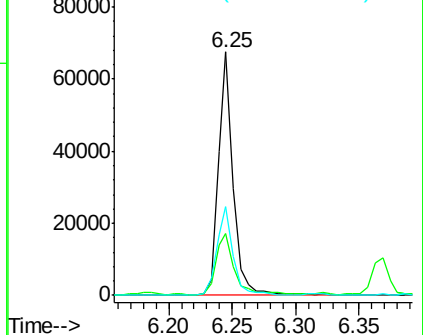
71 36.7 24.5 36.7



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

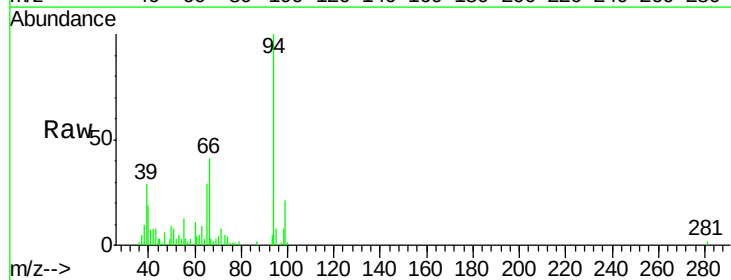
Tgt Ion: 94 Resp: 33819

Ion Ratio Lower Upper

94 100

65 28.9 9.9 49.9

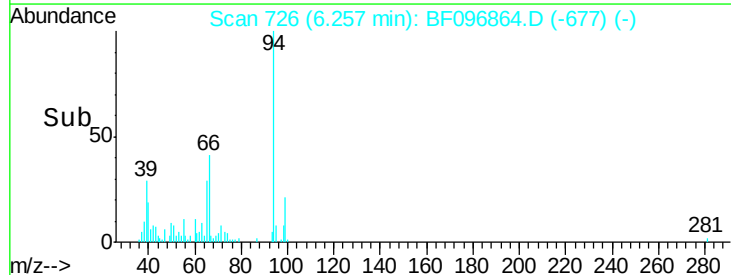
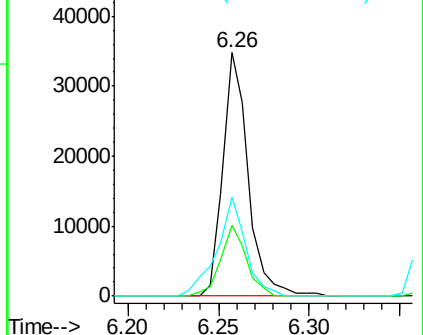
66 40.5 23.1 63.1

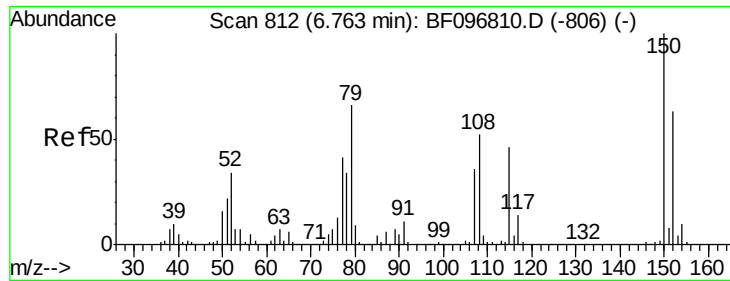


Abundance Ion 94.00 (93.70 to 94.70): BF0

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

ClientSampled :

DFTPP

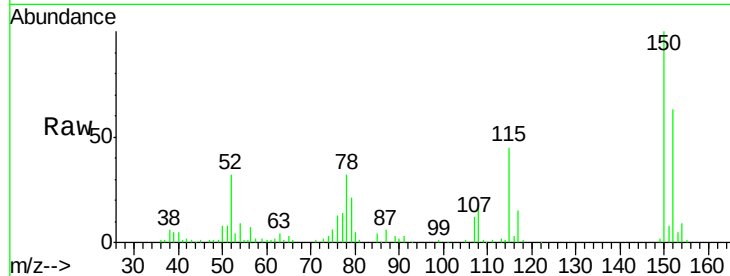
Tot Ion: 79 Resp: 22375

Ion Ratio Lower Upper

79 100

108 84.4 63.4 95.0

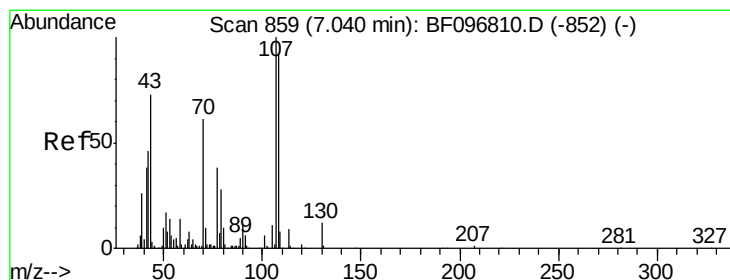
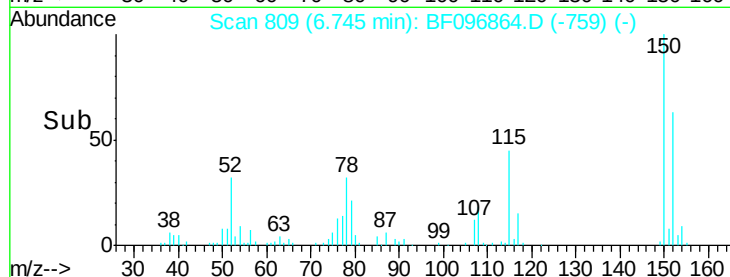
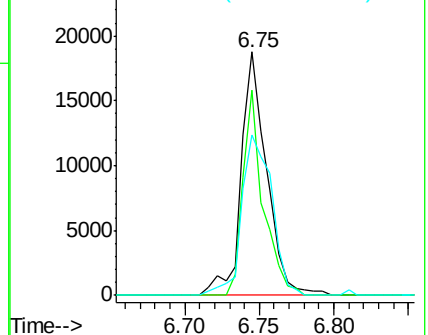
77 65.8 49.2 73.8



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



#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

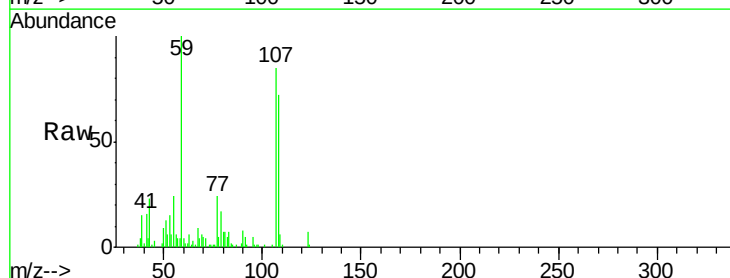
Ion Ratio Lower Upper

107 100

108 84.1 71.0 111.0

77 28.4 90.5 130.5#

79 19.9 8.4 48.4

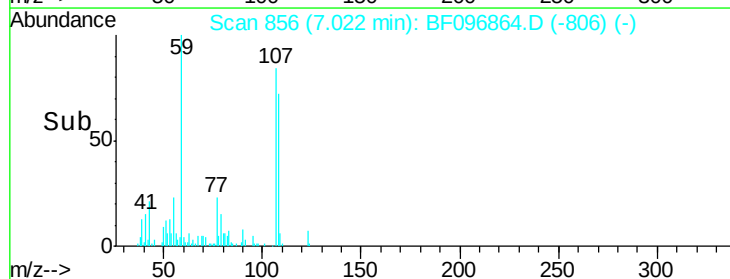
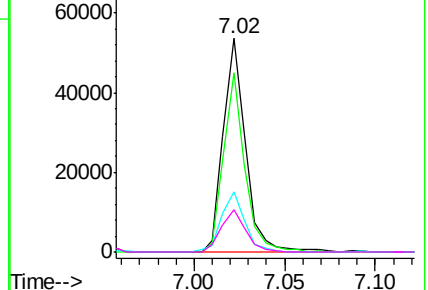


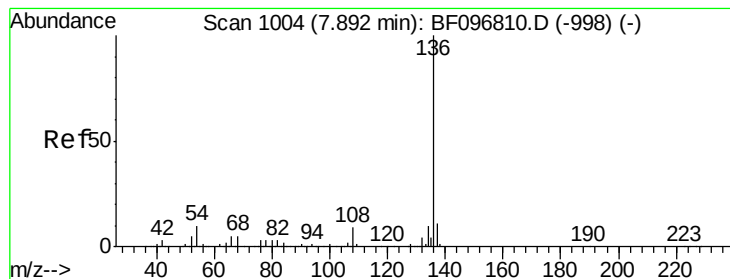
Abundance Ion 107.00 (106.70 to 107.70): BF0

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





#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 :

DFTPP

Tot Ion:136 Resp: 352122

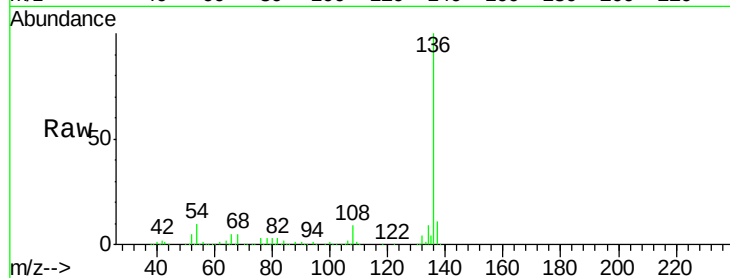
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 9.9 4.9 7.3#

68 4.7 4.1 6.1

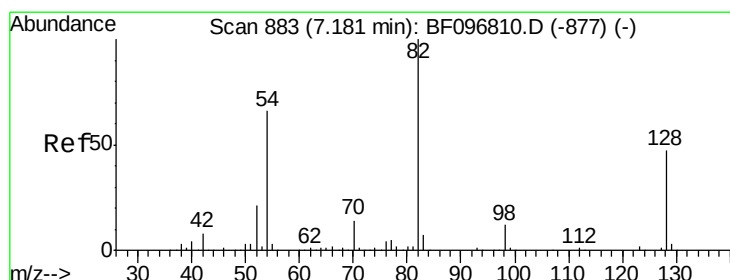
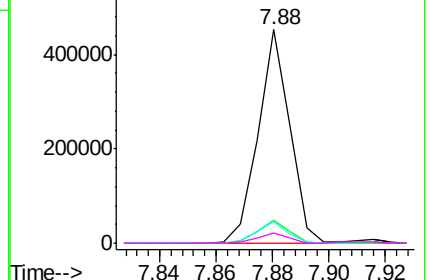
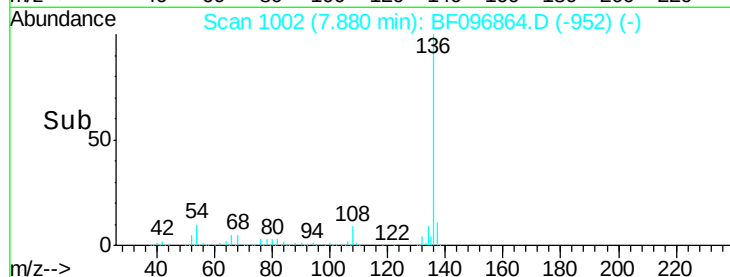


Abundance Ion 136.00 (135.70 to 136.70): E

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

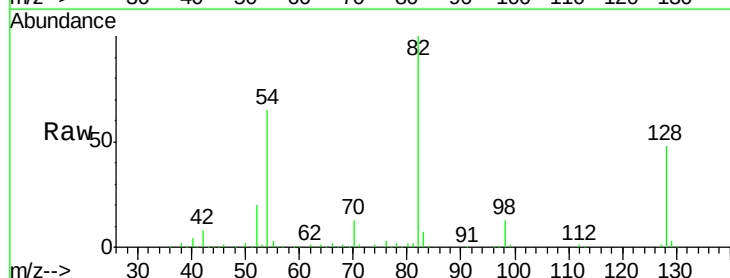
Tgt Ion: 82 Resp: 310317

Ion Ratio Lower Upper

82 100

128 48.1 34.0 51.0

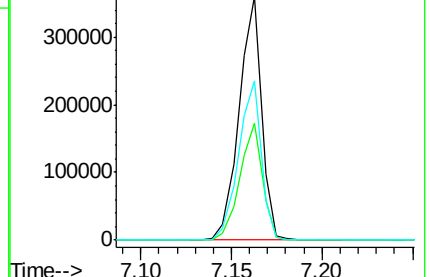
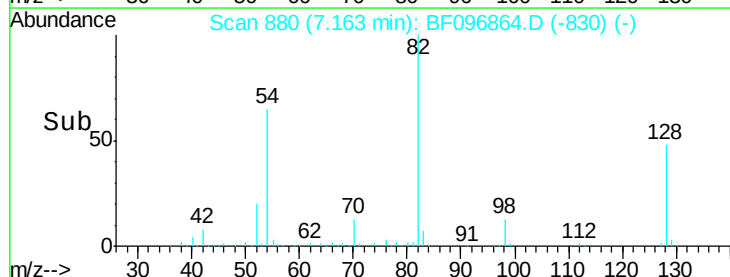
54 65.4 42.2 63.2#

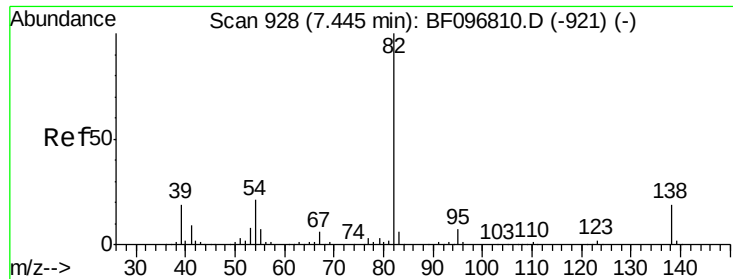


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

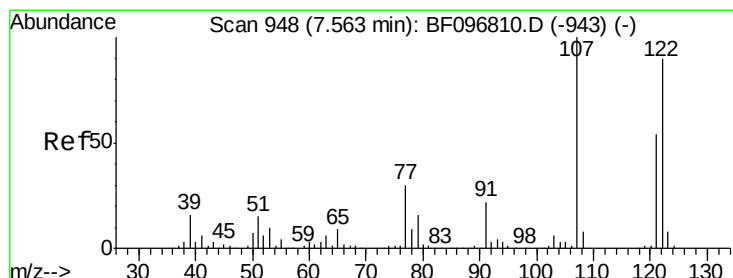
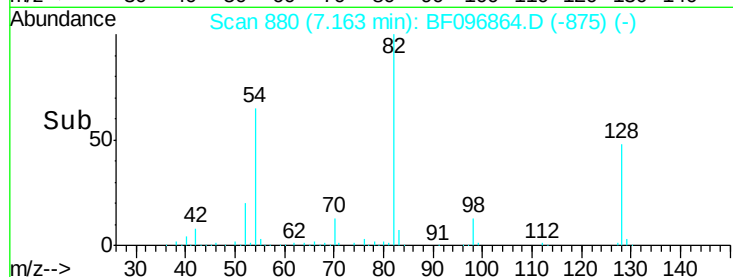
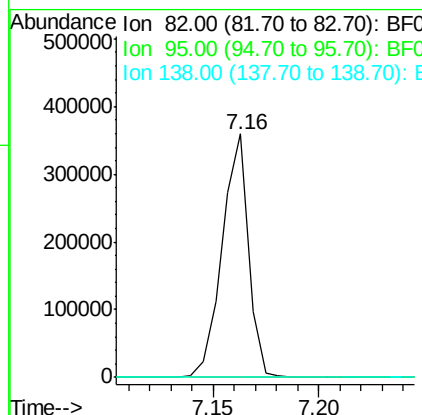
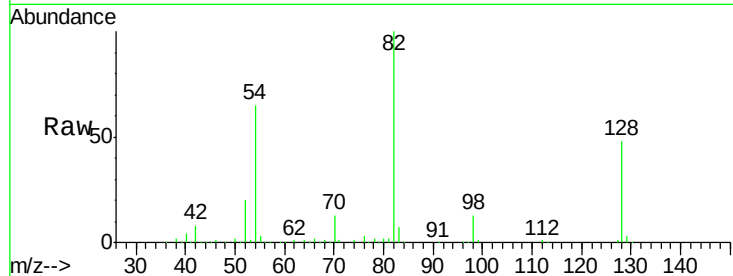




#25
Isophorone
Concen: 29.08 ng
RT: 7.16 min Scan# 880
Delta R.T. -0.27 min
Lab File: BF096864.D
Acq: 19 Jul 2017 00:44

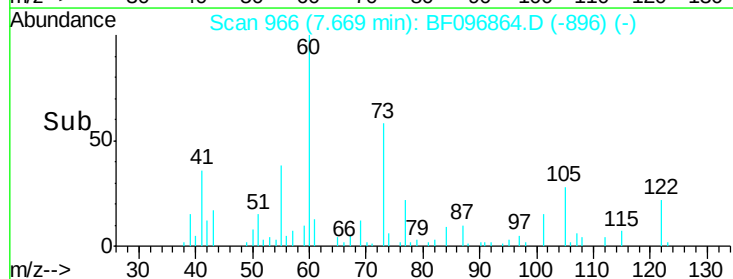
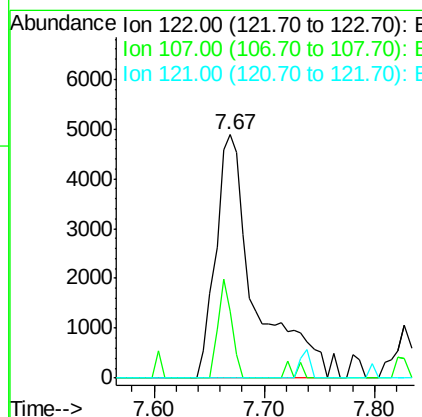
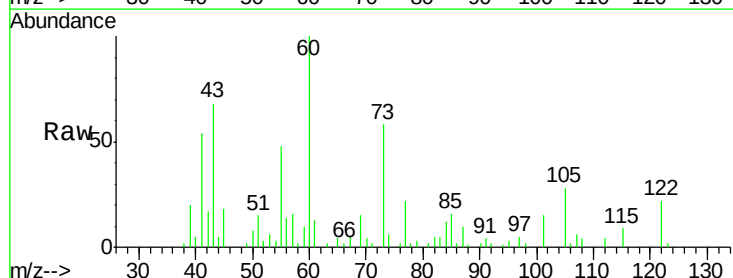
Instrument :
BNA_F
ClientSampled :
DFTPP

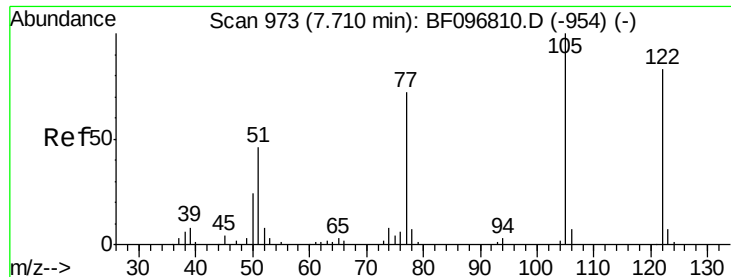
Tot Ion: 82 Resp: 307543
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#



#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 :

DFTPP

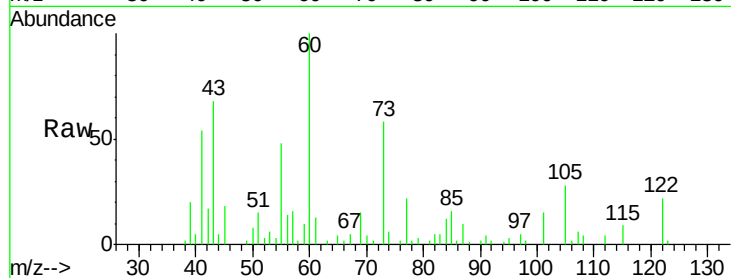
Tot Ion:122 Resp: 12064

Ion Ratio Lower Upper

122 100

105 126.7 103.3 143.3

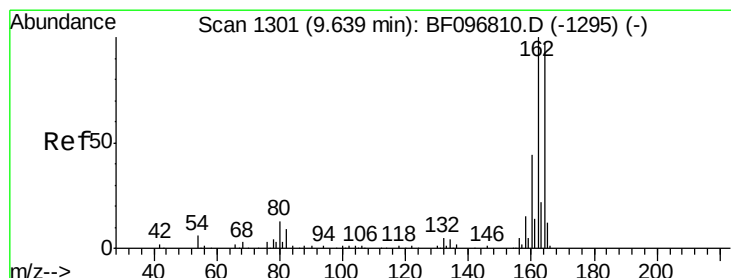
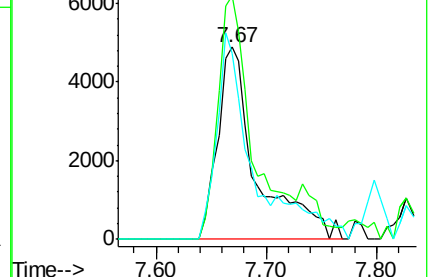
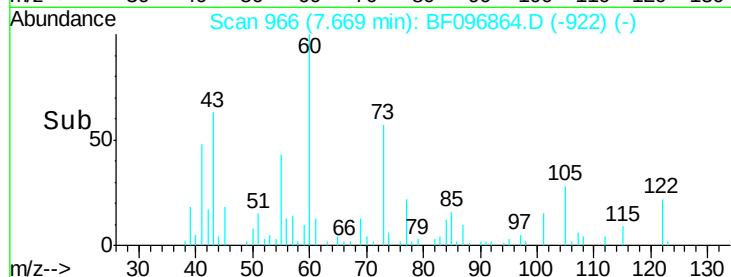
77 97.1 73.7 113.7



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

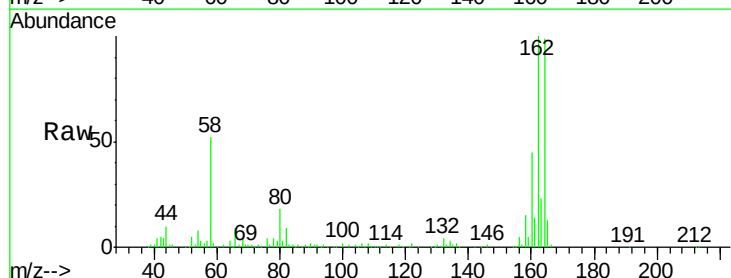
Tgt Ion:164 Resp: 125566

Ion Ratio Lower Upper

164 100

162 100.9 82.6 123.8

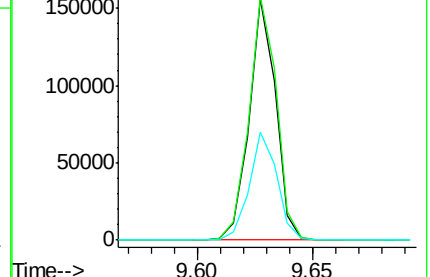
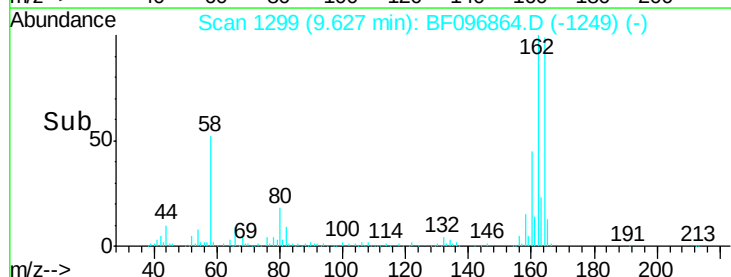
160 45.0 36.2 54.2

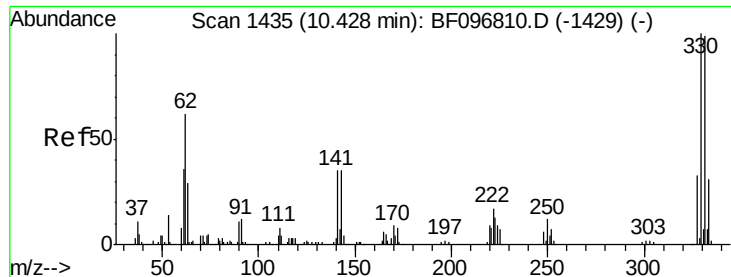


Abundance Ion 164.00 (163.70 to 164.70): E

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 :

DFTPP

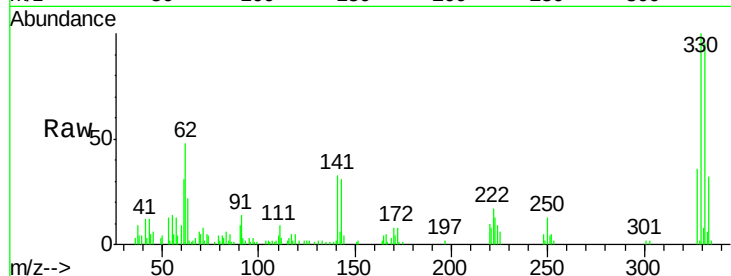
Tot Ion:330 Resp: 24139

Ion Ratio Lower Upper

330 100

332 94.8 76.6 115.0

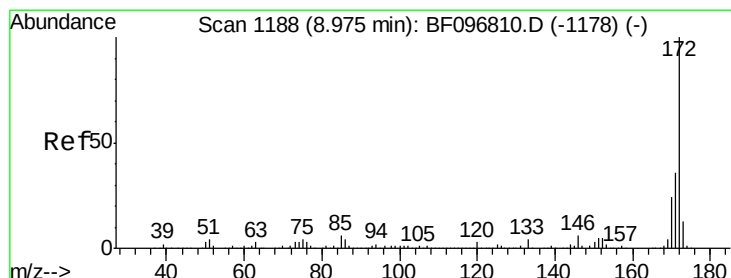
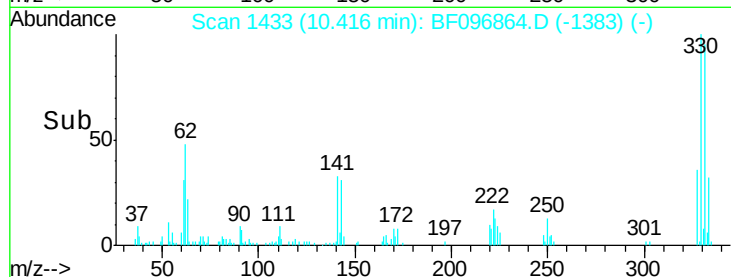
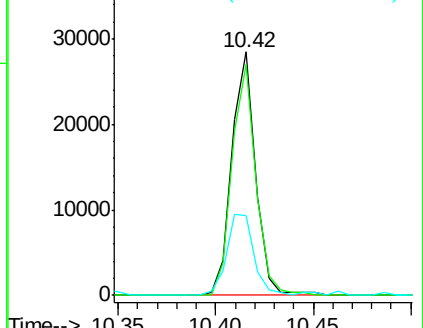
141 38.1 31.4 47.2



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

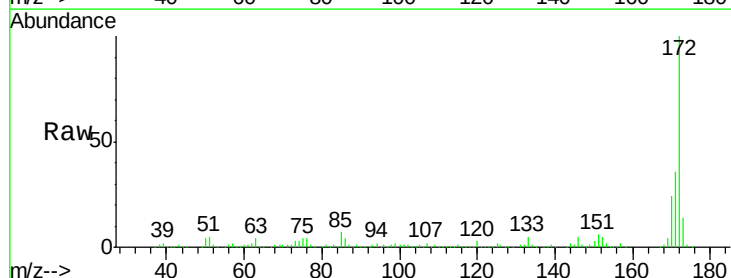
Tgt Ion:172 Resp: 603445

Ion Ratio Lower Upper

172 100

171 35.9 29.6 44.4

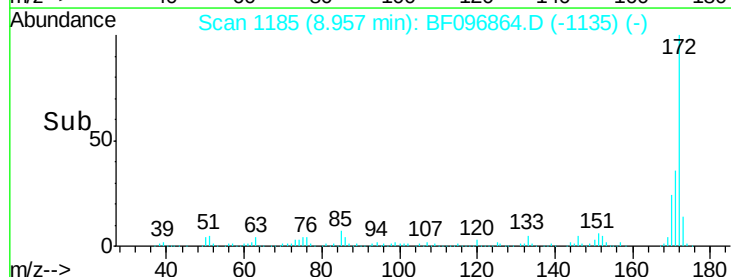
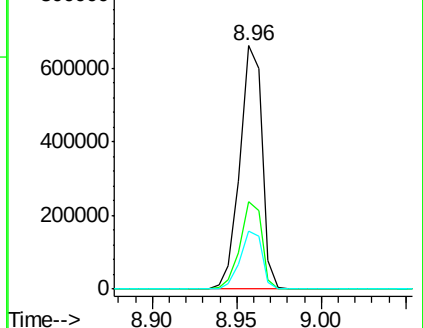
170 23.9 19.8 29.8

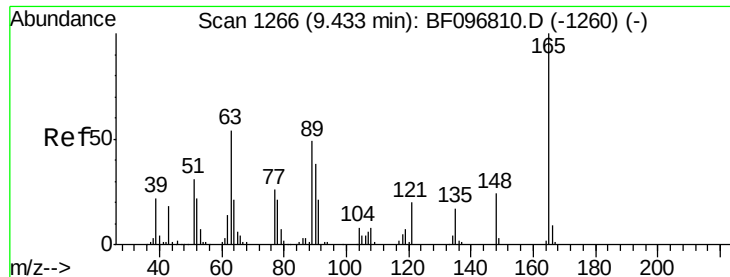


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

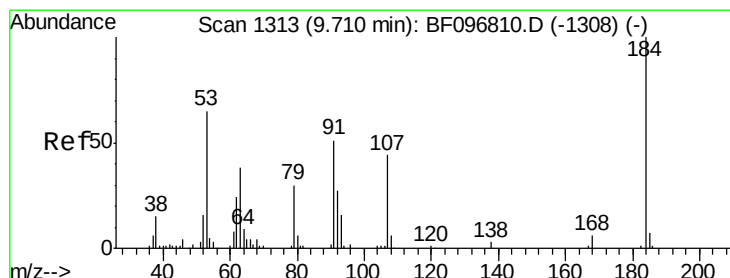
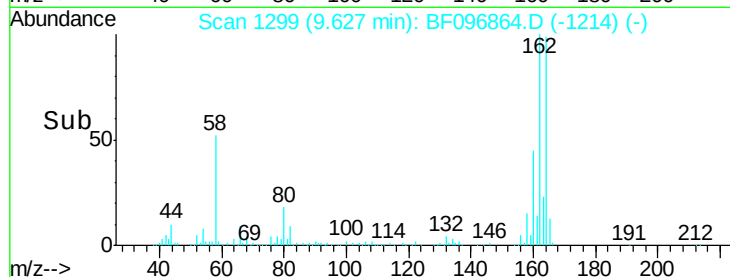
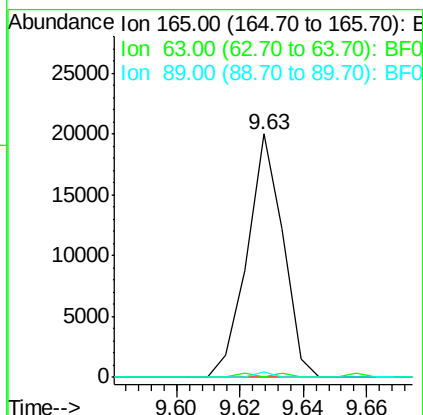
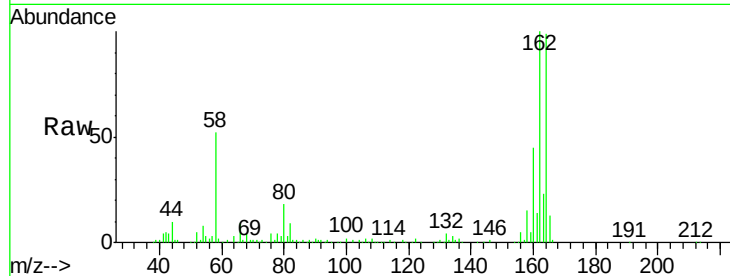




#50
 2,6-Dinitrotoluene
 Concen: 7.64 ng
 RT: 9.63 min Scan# 1299
 Delta R.T. 0.20 min
 Lab File: BF096864.D
 Acq: 19 Jul 2017 00:44

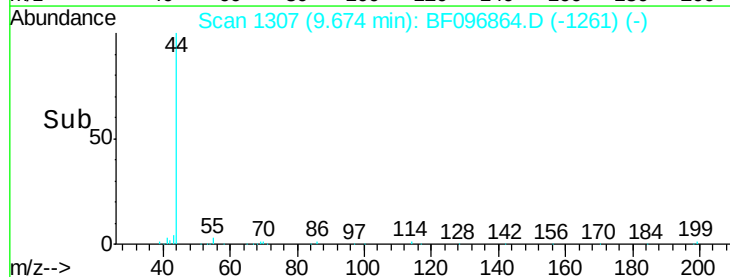
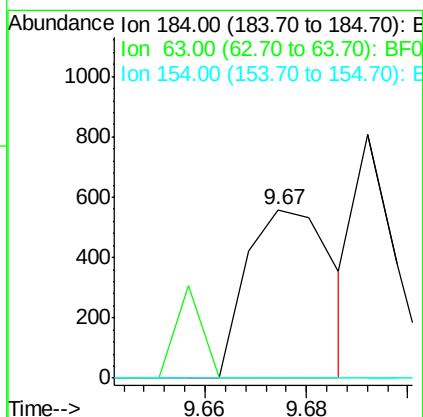
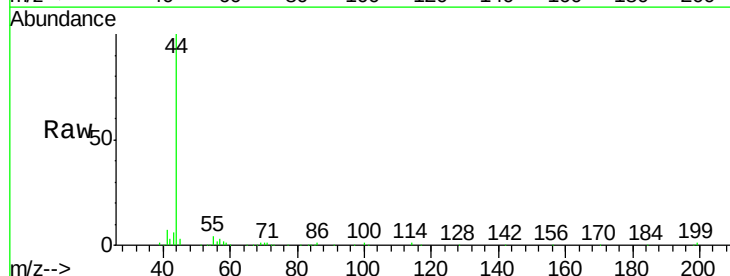
Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

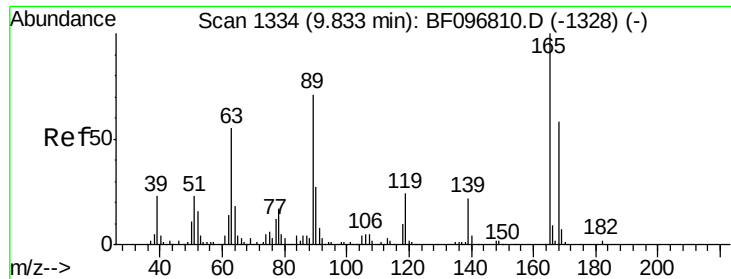
Tot Ion:165 Resp: 15645
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 2.1 37.1 55.7#



#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#

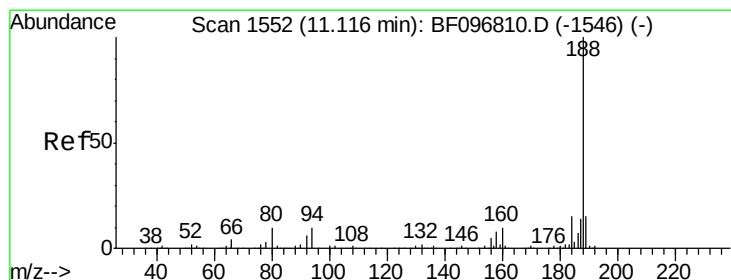
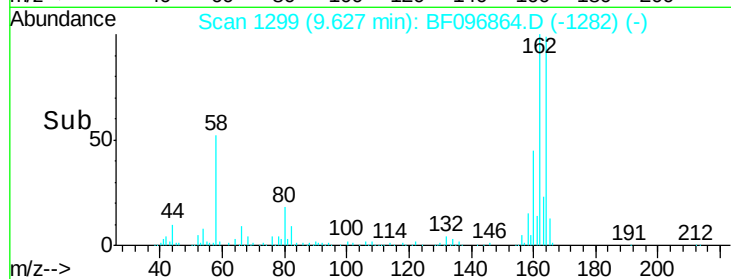
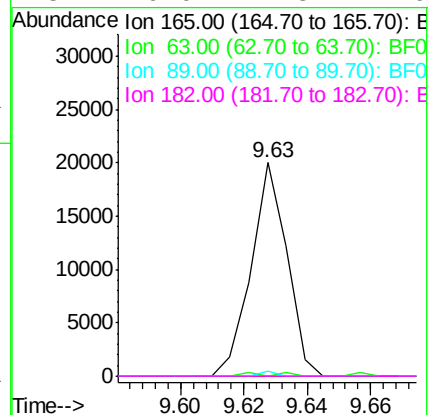
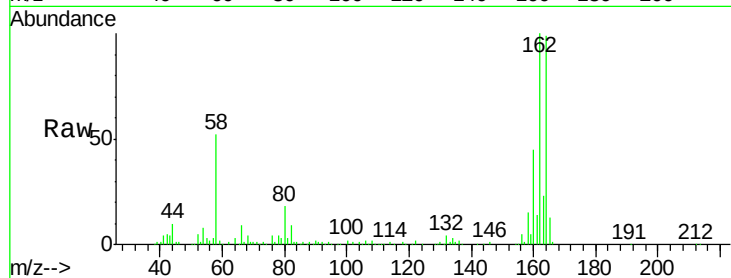




#56
2,4-Dinitrotoluene
Concen: 5.95 ng
RT: 9.63 min Scan# 1299
Delta R.T. -0.20 min
Lab File: BF096864.D
Acq: 19 Jul 2017 00:44

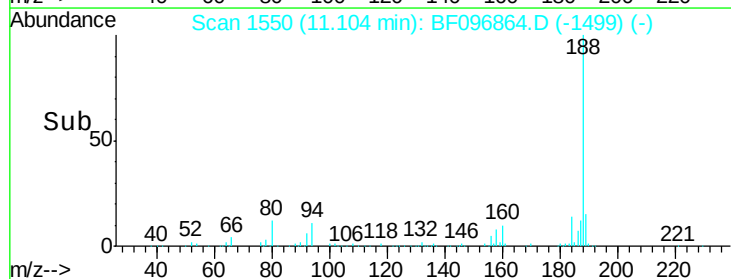
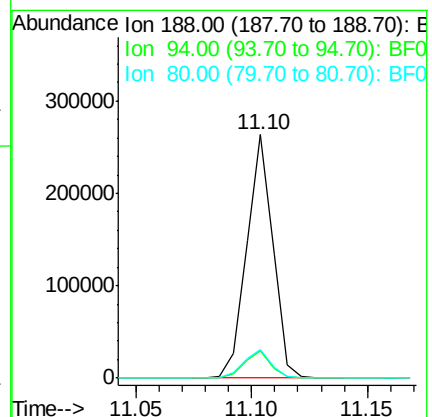
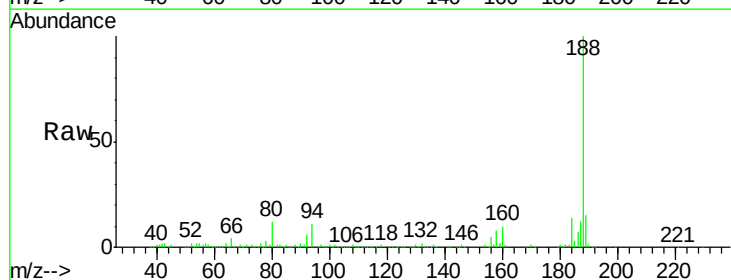
Instrument :
BNA_F
ClientSampleId :
DFTPP

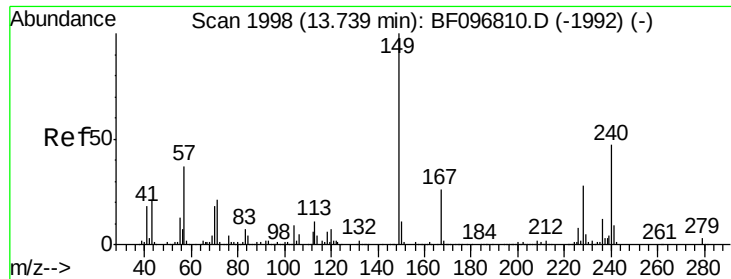
Tot Ion:165 Resp: 15645
Ion Ratio Lower Upper
165 100
63 0.0 25.4 38.0#
89 2.1 46.4 69.6#
182 0.0 1.8 2.6#



#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 :

DFTPP

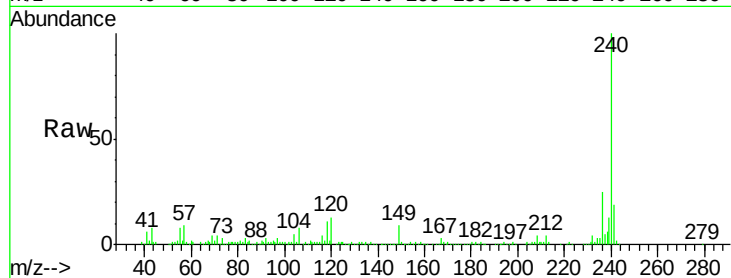
Tot Ion:240 Resp: 192067

Ion Ratio Lower Upper

240 100

120 12.7 5.8 8.8#

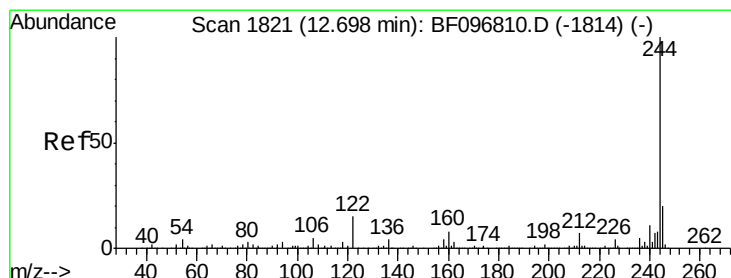
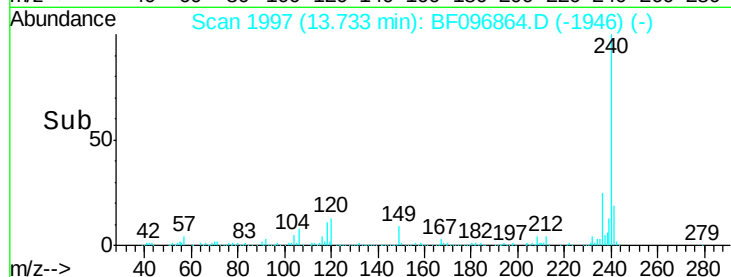
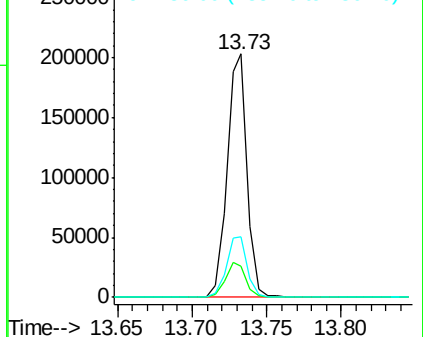
236 25.0 20.5 30.7



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

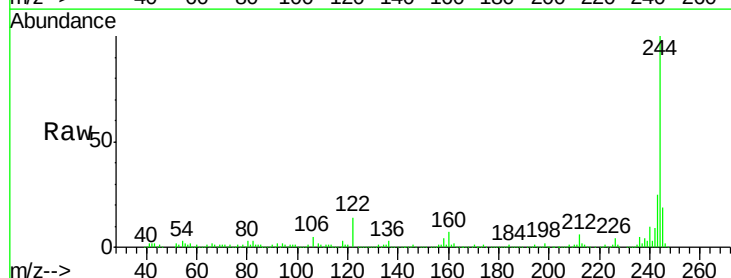
Tgt Ion:244 Resp: 451030

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

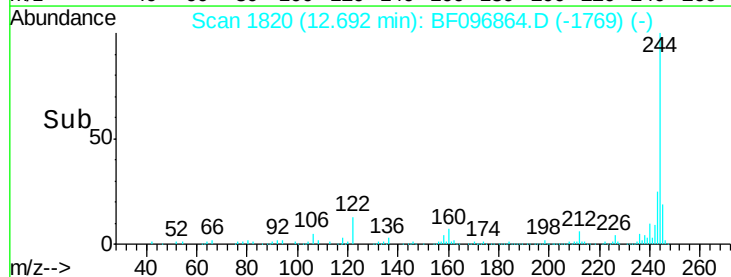
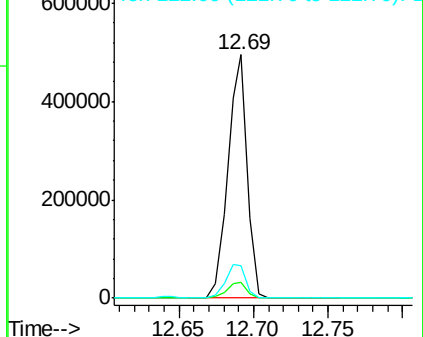
122 13.6 10.3 15.5

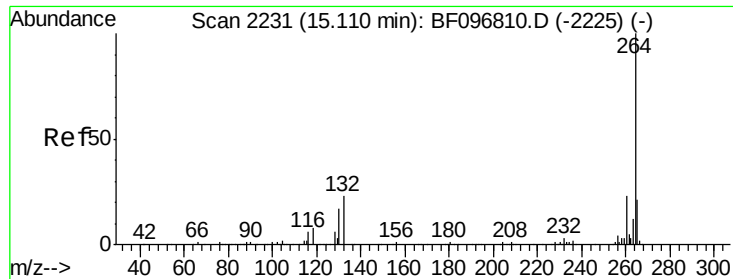


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

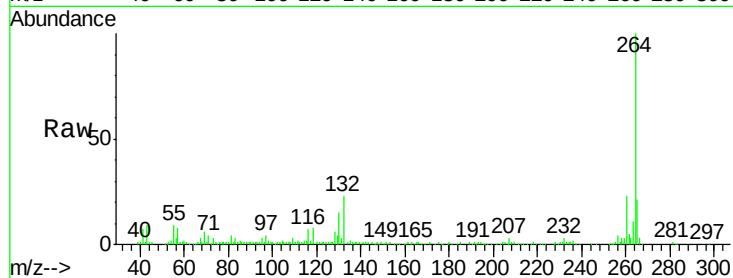




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.10 min Scan# 2230
 Delta R.T. -0.00 min
 Lab File: BF096864.D
 Acq: 19 Jul 2017 00:44

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

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

