

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
 Data File : BF096844.D
 Acq On : 18 Jul 2017 13:30
 Operator : SJ/JU
 Sample : I4223-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC071417-1NE

Quant Time: Jul 18 16:44:25 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

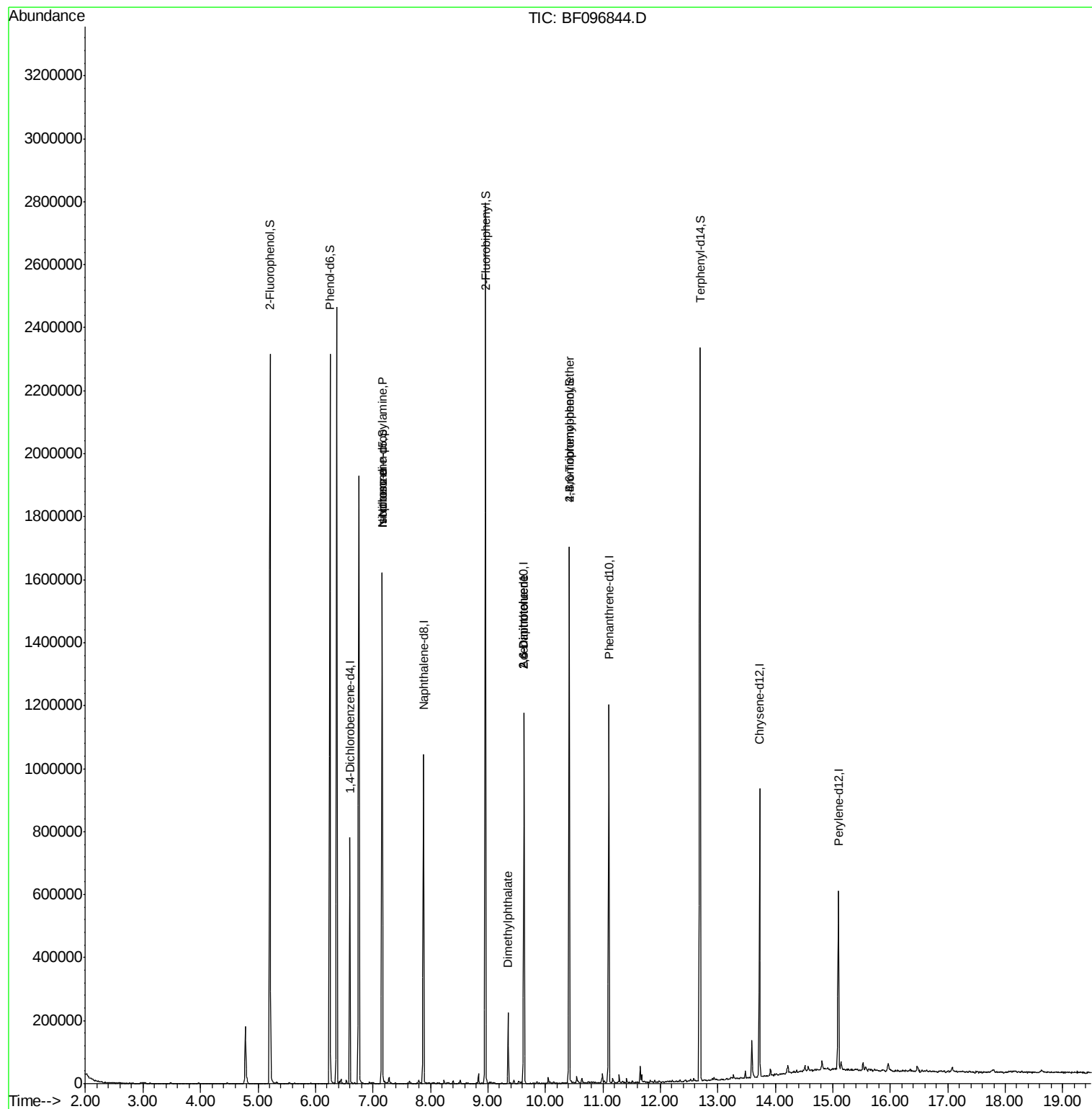
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	110833	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	494779	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	233175	20.00	ng	0.00
63) Phenanthrene-d10	11.10	188	415725	20.00	ng	0.00
75) Chrysene-d12	13.73	240	298699	20.00	ng	0.00
86) Perylene-d12	15.10	264	215288	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	710756	96.42	ng	0.01
7) Phenol-d6	6.25	99	863302	97.60	ng	0.00
23) Nitrobenzene-d5	7.16	82	506184	63.37	ng	0.00
41) 2,4,6-Tribromophenol	10.42	330	197364	99.16	ng	0.00
44) 2-Fluorobiphenyl	8.96	172	959794	65.03	ng	0.00
78) Terphenyl-d14	12.69	244	824784	47.89	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.16	70	68889	12.927	ng	# 86
25) Isophorone	7.16	82	499805	33.635	ng	# 67
49) Dimethylphthalate	9.35	163	83201	4.739	ng	100
50) 2,6-Dinitrotoluene	9.63	165	29707	7.812	ng	# 33
56) 2,4-Dinitrotoluene	9.63	165	29707	6.079	ng	# 33
66) 4-Bromophenyl-phenylether	10.42	248	12900	3.039	ng	# 1

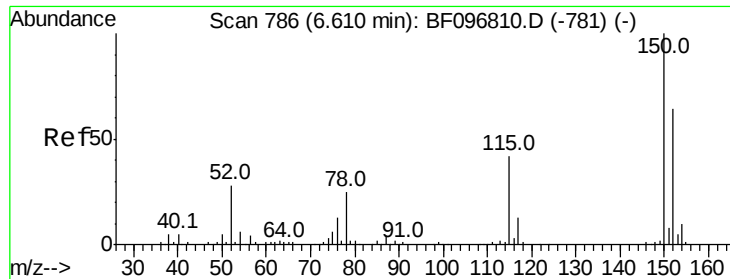
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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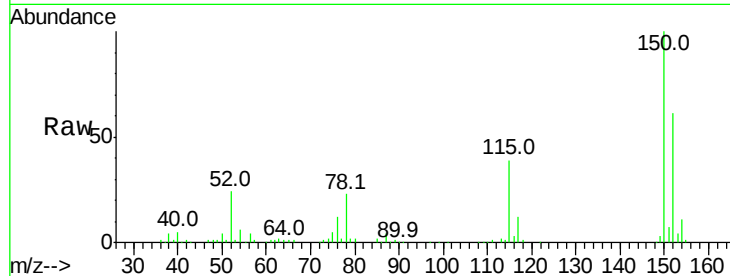


#1

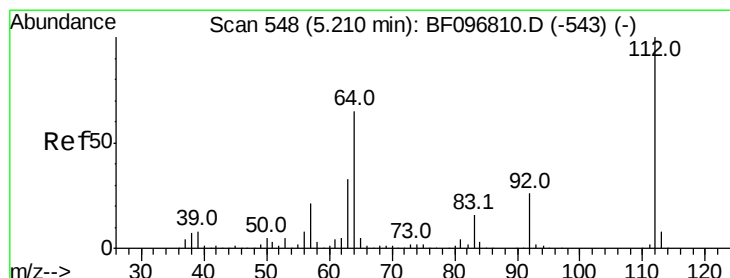
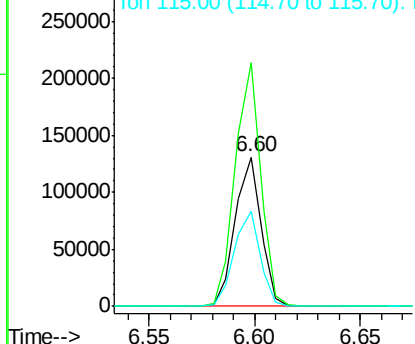
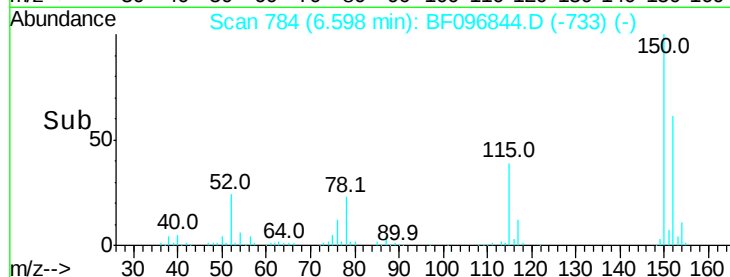
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.60 min Scan# 784
 Delta R.T. -0.00 min
 Lab File: BF096844.D
 Acq: 18 Jul 2017 13:30

Instrument :
 BNA_F
 ClientSampleId :
 WC071417-1NE

Tot Ion:152 Resp: 110833
 Ion Ratio Lower Upper
 152 100
 150 163.1 126.2 189.2
 115 63.9 52.2 78.2



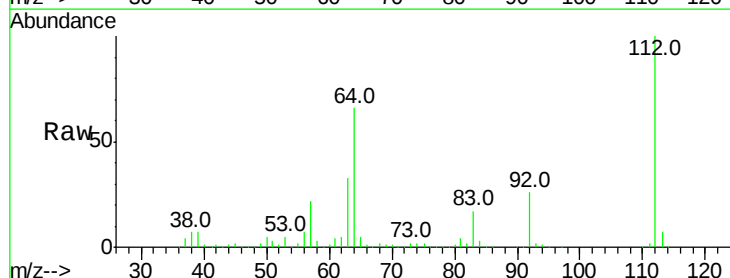
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



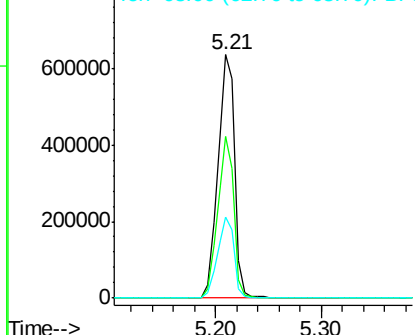
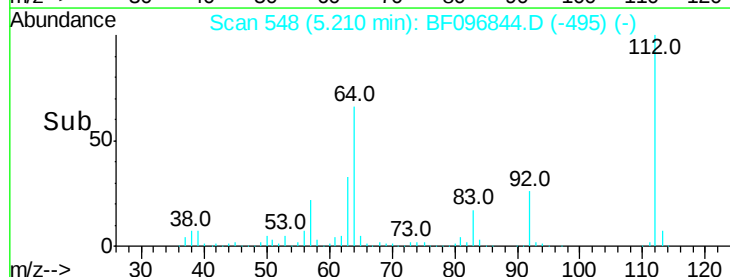
#5

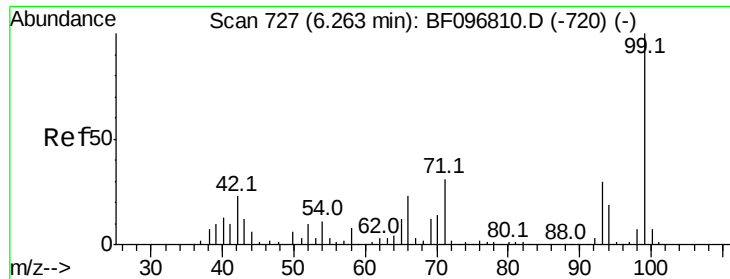
2-Fluorophenol
 Concen: 96.423 ng
 RT: 5.21 min Scan# 548
 Delta R.T. 0.01 min
 Lab File: BF096844.D
 Acq: 18 Jul 2017 13:30

Tgt Ion:112 Resp: 710756
 Ion Ratio Lower Upper
 112 100
 64 66.2 46.0 69.0
 63 33.4 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: 97.595 ng

RT: 6.25 min Scan# 725

Delta R.T. -0.00 min

Lab File: BF096844.D

Acq: 18 Jul 2017 13:30

Instrument :

BNA_F

ClientSampleId :

WC071417-1NE

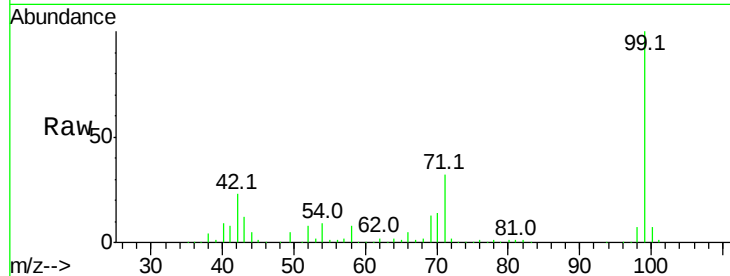
Tot Ion: 99 Resp: 863302

Ion Ratio Lower Upper

99 100

42 22.6 13.5 20.3#

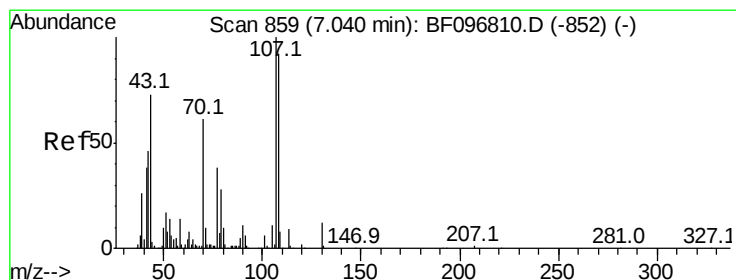
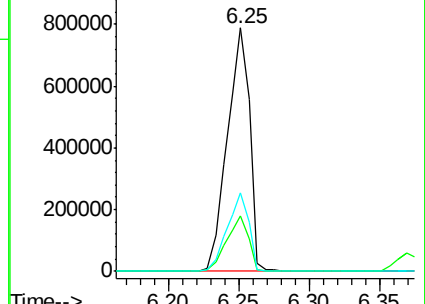
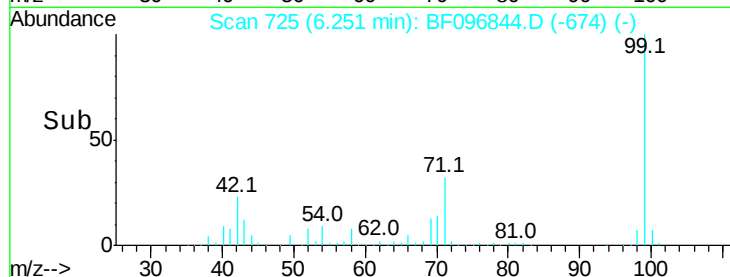
71 32.0 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.927 ng

RT: 7.16 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF096844.D

Acq: 18 Jul 2017 13:30

Tgt Ion: 70 Resp: 68889

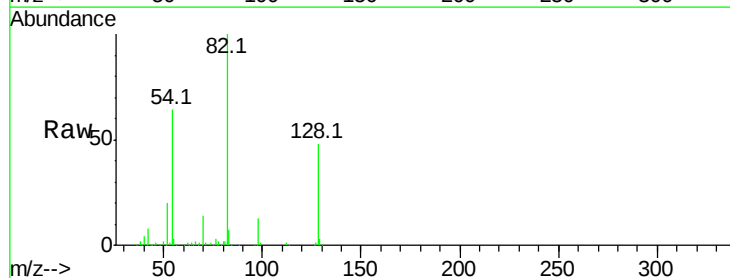
Ion Ratio Lower Upper

70 100

42 55.7 47.2 70.8

101 0.0 7.2 10.8#

130 2.6 15.9 23.9#

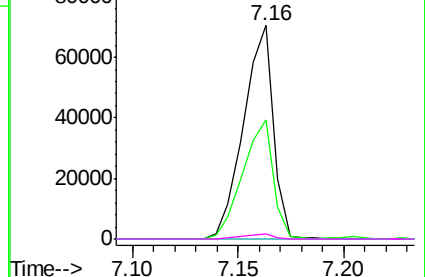
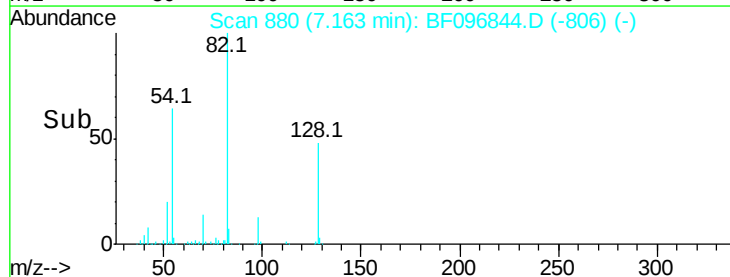


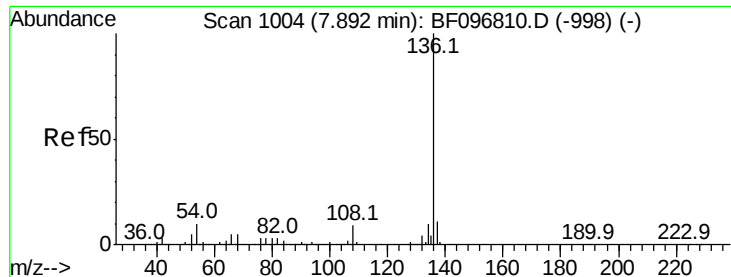
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.88 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF096844.D

Acq: 18 Jul 2017 13:30

Instrument :

BNA_F

ClientSampleId :

WC071417-1NE

Tot Ion:136 Resp: 494779

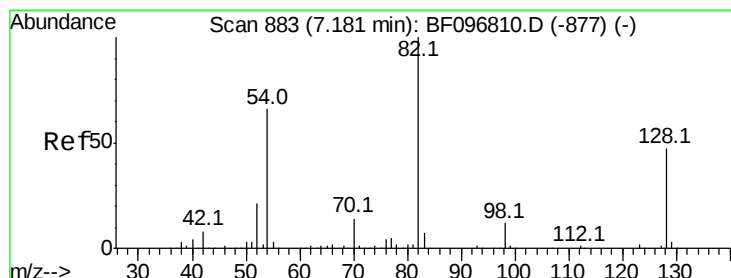
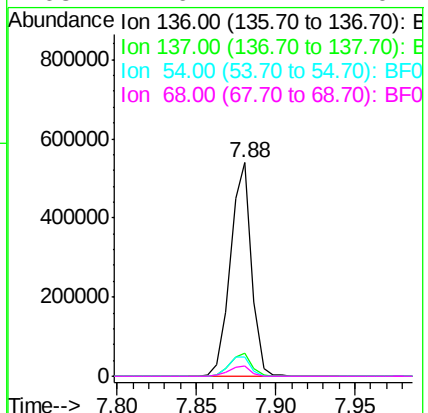
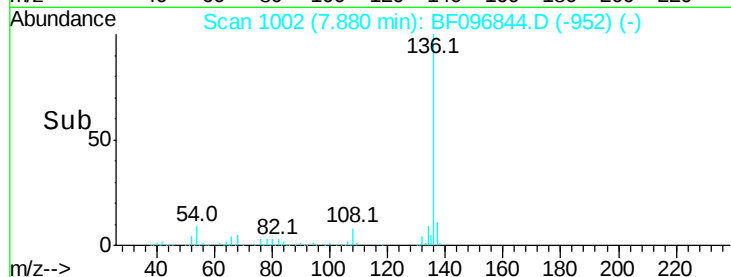
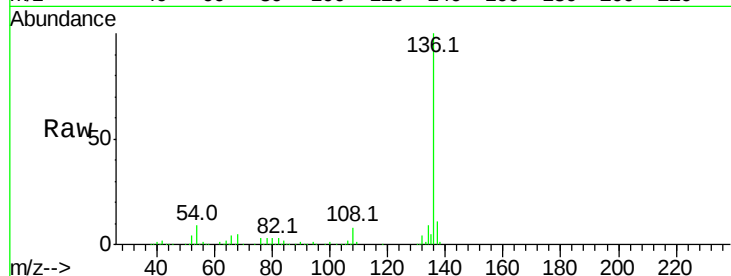
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 8.9 4.9 7.3#

68 4.6 4.1 6.1



#23

Nitrobenzene-d5

Concen: 63.369 ng

RT: 7.16 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF096844.D

Acq: 18 Jul 2017 13:30

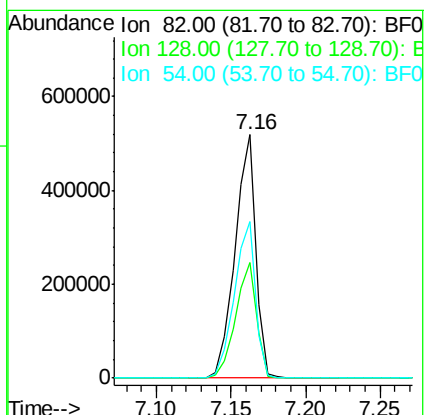
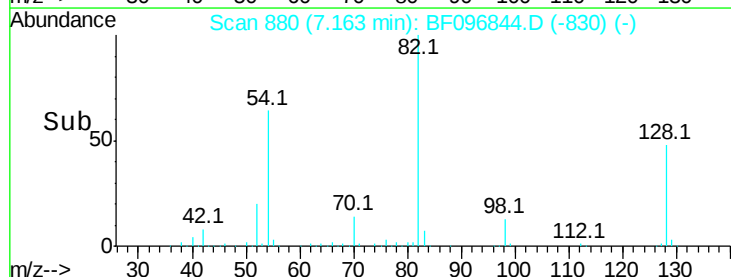
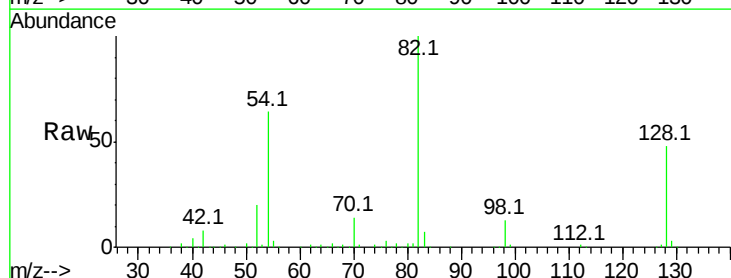
Tgt Ion: 82 Resp: 506184

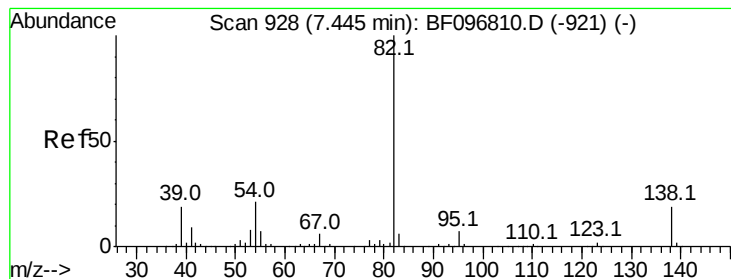
Ion Ratio Lower Upper

82 100

128 47.6 34.0 51.0

54 64.3 42.2 63.2#





#25

Isophorone

Concen: 33.635 ng

RT: 7.16 min Scan# 880

Delta R.T. -0.27 min

Lab File: BF096844.D

Acq: 18 Jul 2017 13:30

Instrument :

BNA_F

ClientSampleId :

WC071417-1NE

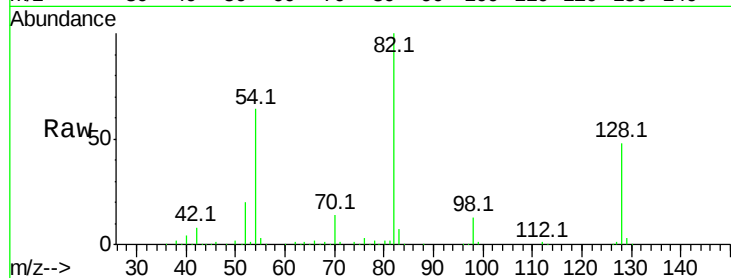
Tot Ion: 82 Resp: 499805

Ion Ratio Lower Upper

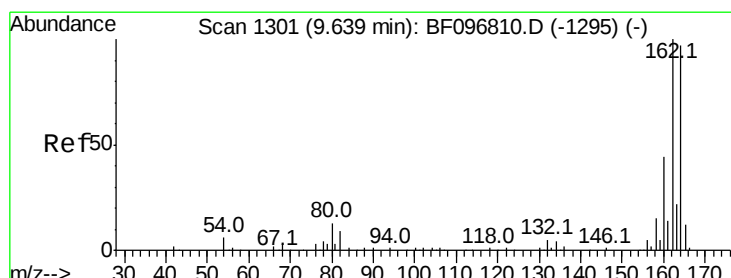
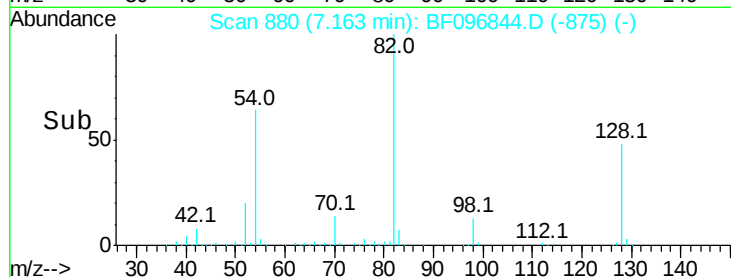
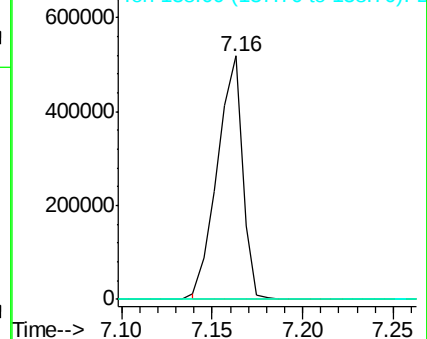
82 100

95 0.0 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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.63 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF096844.D

Acq: 18 Jul 2017 13:30

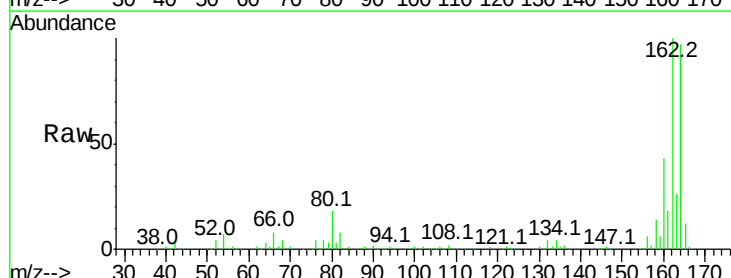
Tgt Ion:164 Resp: 233175

Ion Ratio Lower Upper

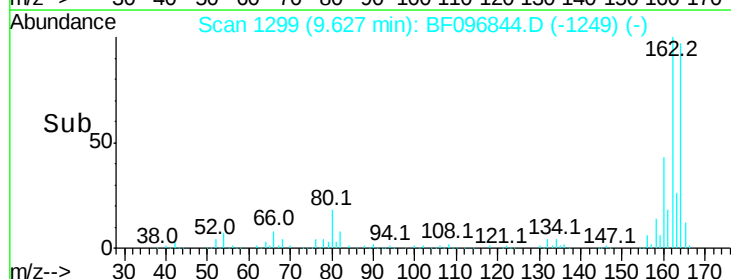
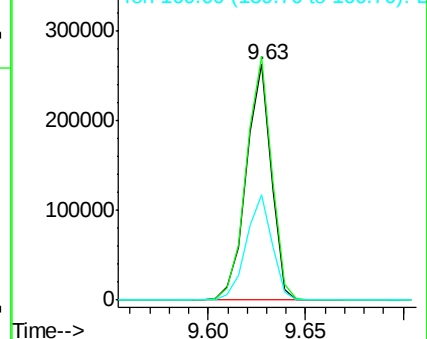
164 100

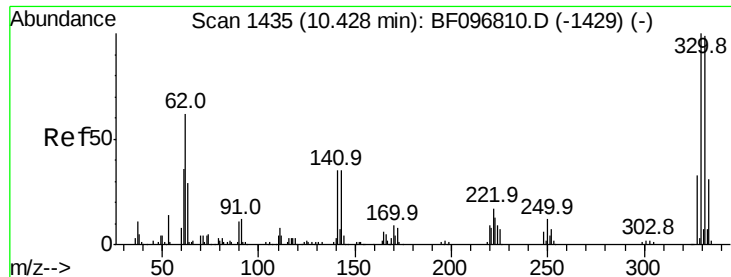
162 103.4 82.6 123.8

160 44.8 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

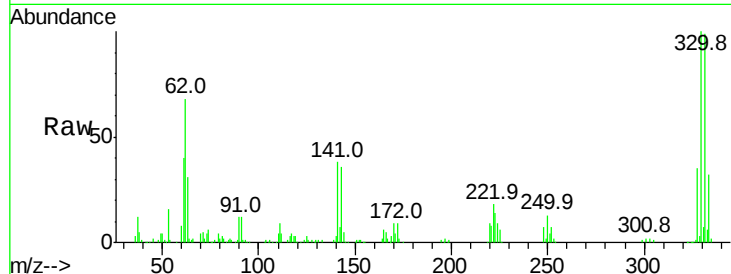




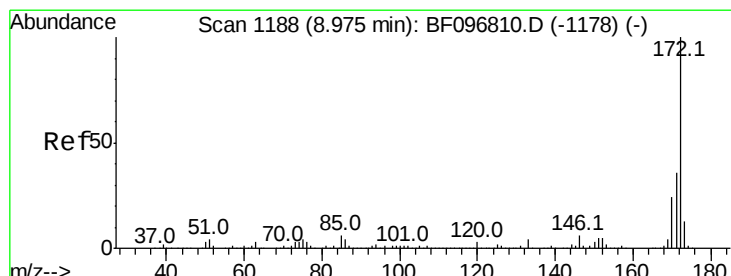
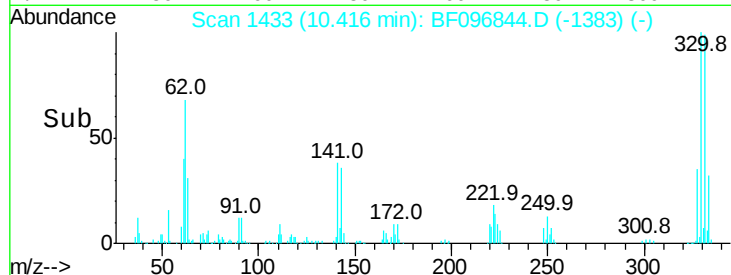
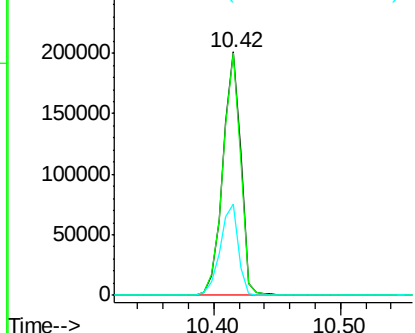
#41
 2,4,6-Tribromophenol
 Concen: 99.161 ng
 RT: 10.42 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF096844.D
 Acq: 18 Jul 2017 13:30

Instrument :
 BNA_F
 ClientSampleId :
 WC071417-1NE

Tot Ion:330 Resp: 197364
 Ion Ratio Lower Upper
 330 100
 332 98.1 76.6 115.0
 141 38.1 31.4 47.2

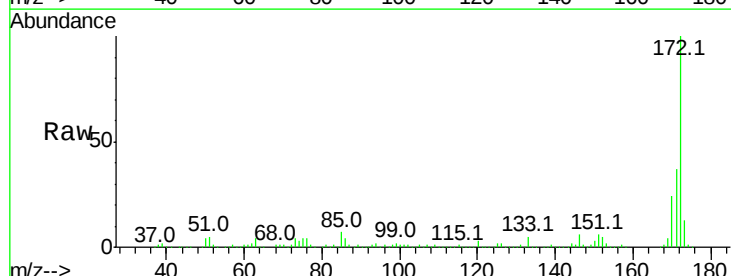


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

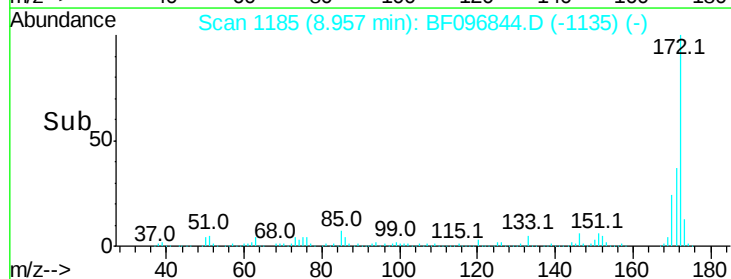
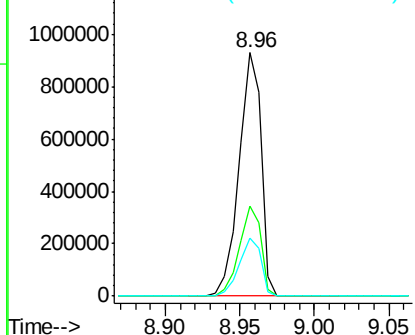


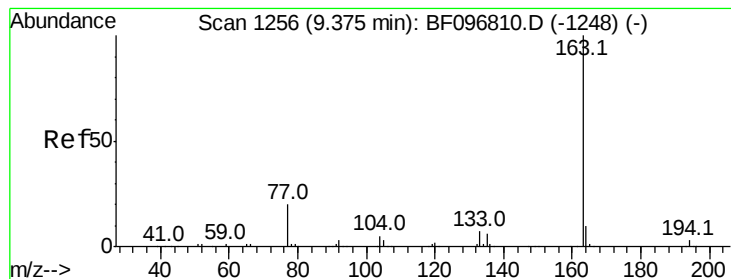
#44
 2-Fluorobiphenyl
 Concen: 65.033 ng
 RT: 8.96 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF096844.D
 Acq: 18 Jul 2017 13:30

Tgt Ion:172 Resp: 959794
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.6 44.4
 170 24.0 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: 4.739 ng

RT: 9.35 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF096844.D

Acq: 18 Jul 2017 13:30

Instrument :

BNA_F

ClientSampleId :

WC071417-1NE

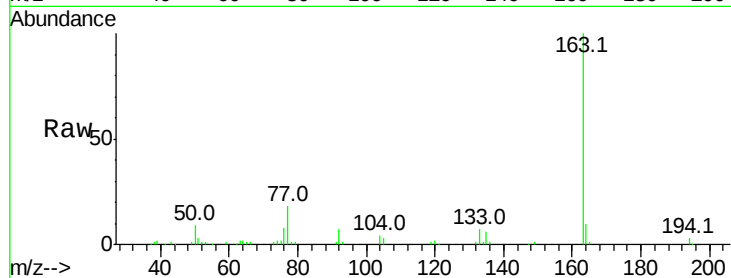
Tot Ion:163 Resp: 83201

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

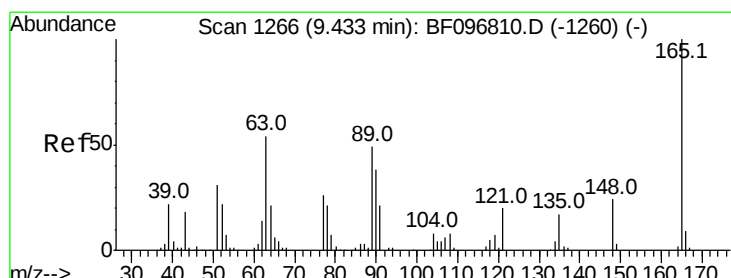
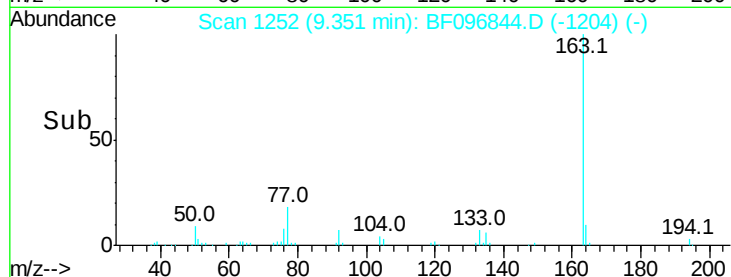
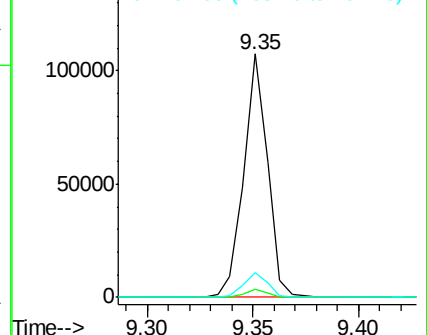
164 10.4 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.812 ng

RT: 9.63 min Scan# 1299

Delta R.T. 0.20 min

Lab File: BF096844.D

Acq: 18 Jul 2017 13:30

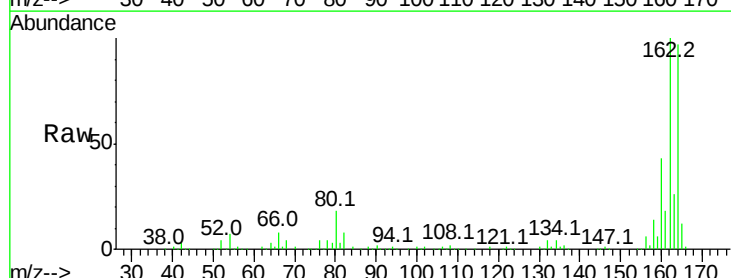
Tgt Ion:165 Resp: 29707

Ion Ratio Lower Upper

165 100

63 1.1 34.3 51.5#

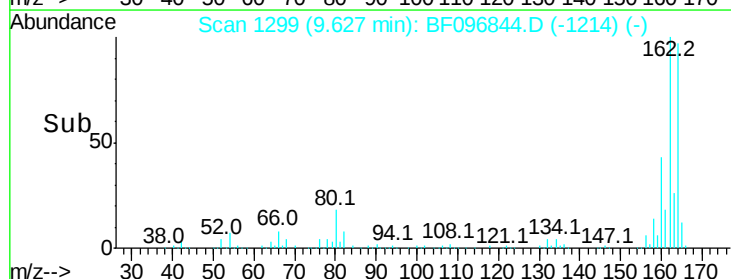
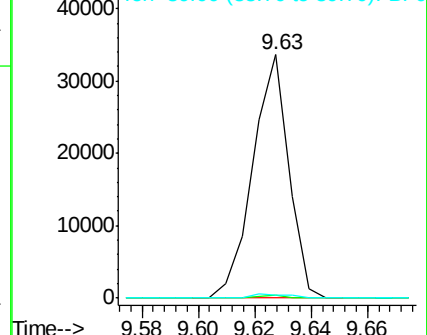
89 1.2 37.1 55.7#

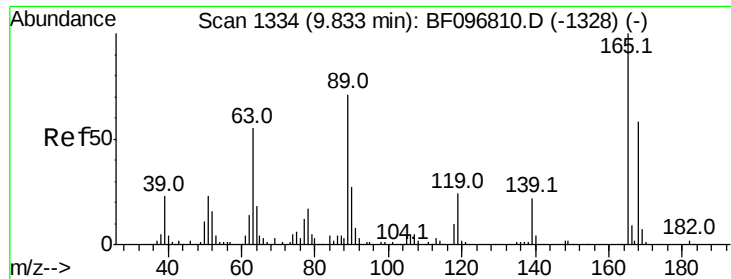


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

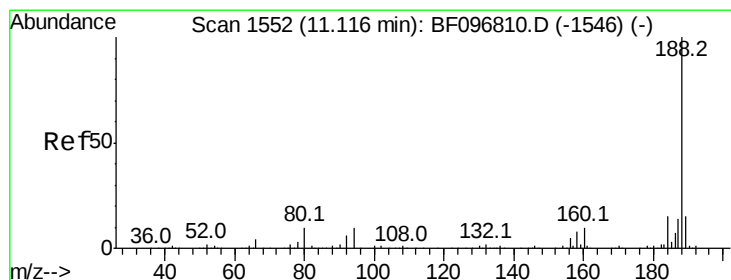
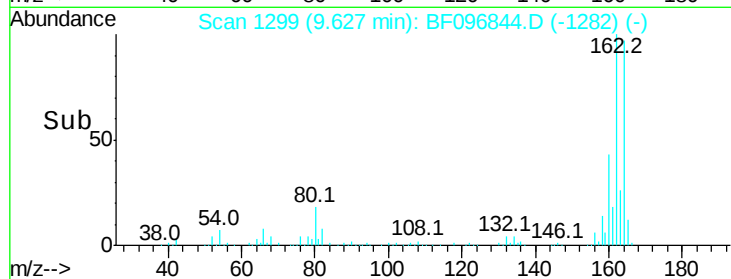
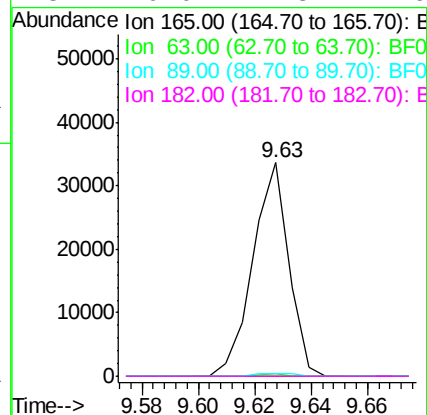
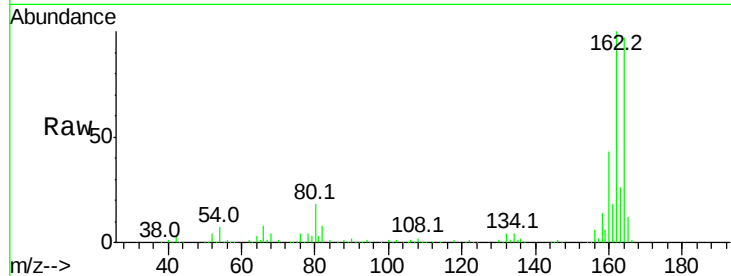




#56
 2,4-Dinitrotoluene
 Concen: 6.079 ng
 RT: 9.63 min Scan# 1299
 Delta R.T. -0.20 min
 Lab File: BF096844.D
 Acq: 18 Jul 2017 13:30

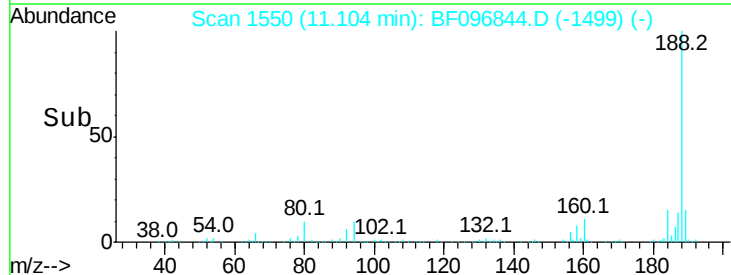
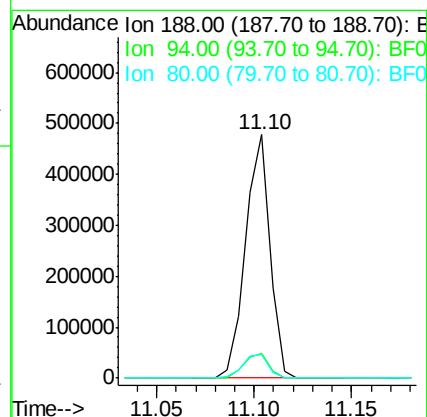
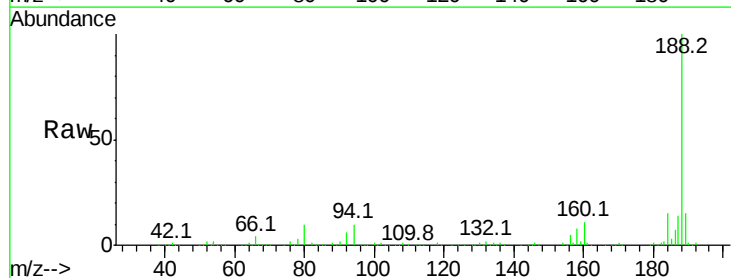
Instrument :
 BNA_F
 ClientSampleId :
 WC071417-1NE

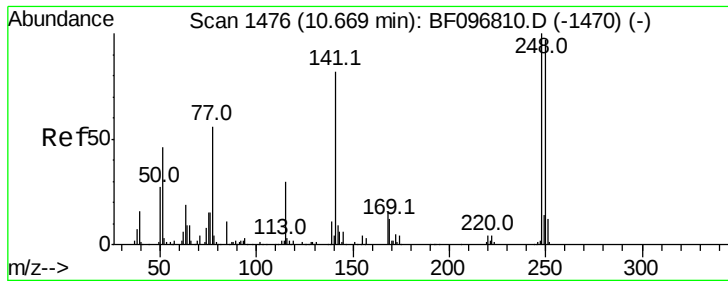
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	25.4	38.0#
89	1.2	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.10 min Scan# 1550
 Delta R.T. -0.00 min
 Lab File: BF096844.D
 Acq: 18 Jul 2017 13:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.4	14.2
80	9.7	10.2	15.2#

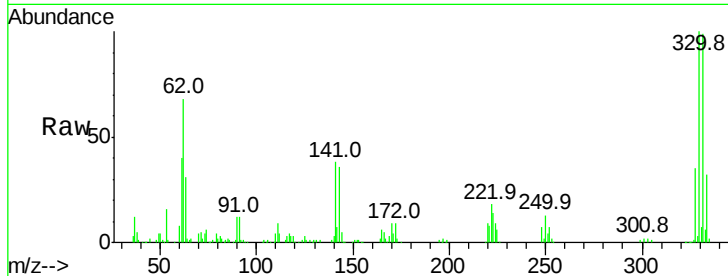




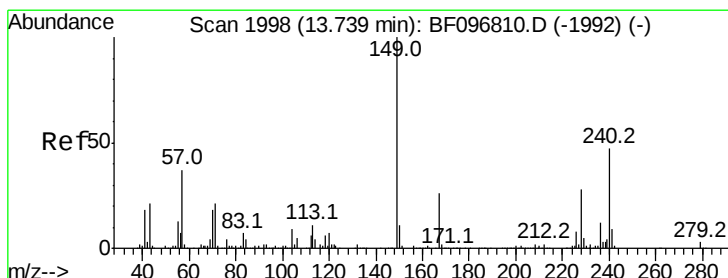
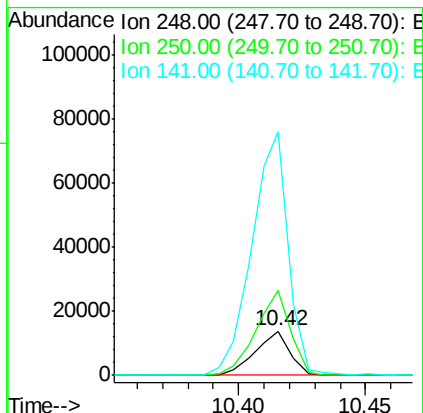
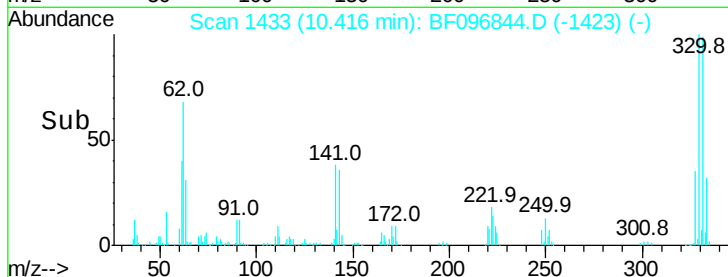
#66
 4-Bromophenyl-phenylether
 Concen: 3.039 ng
 RT: 10.42 min Scan# 1433
 Delta R.T. -0.24 min
 Lab File: BF096844.D
 Acq: 18 Jul 2017 13:30

Instrument :
 BNA_F
 ClientSampleId :
 WC071417-1NE

Tot Ion:248 Resp: 12900
 Ion Ratio Lower Upper
 248 100
 250 191.7 76.8 115.2#
 141 552.6 68.6 103.0#

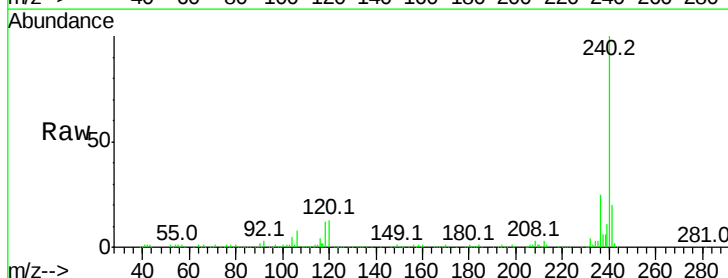


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

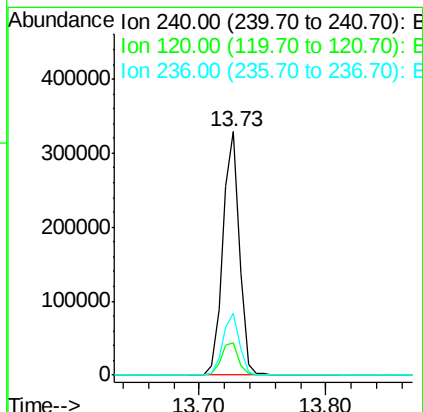
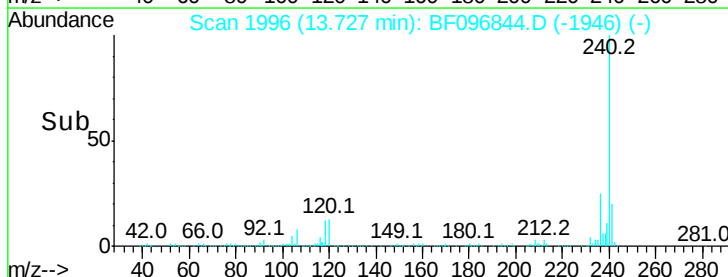


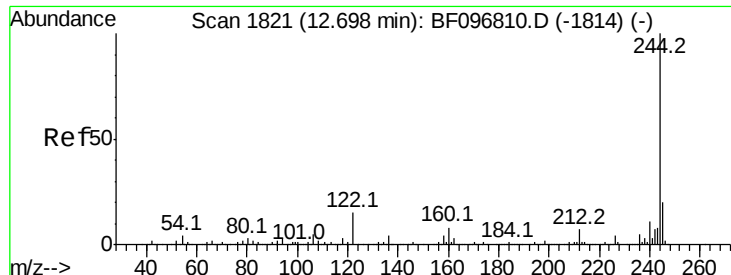
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.73 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF096844.D
 Acq: 18 Jul 2017 13:30

Tgt Ion:240 Resp: 298699
 Ion Ratio Lower Upper
 240 100
 120 13.4 5.8 8.8#
 236 25.4 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 47.887 ng

RT: 12.69 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BF096844.D

Acq: 18 Jul 2017 13:30

Instrument :

BNA_F

ClientSampleId :

WC071417-1NE

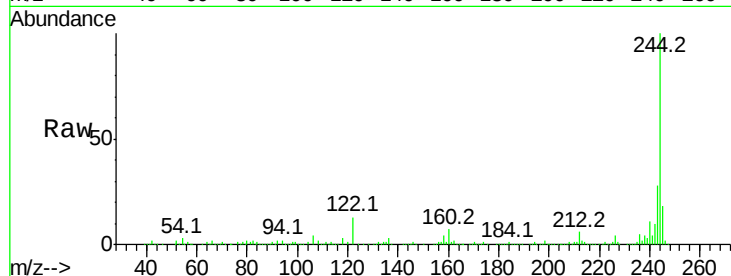
Tot Ion:244 Resp: 824784

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

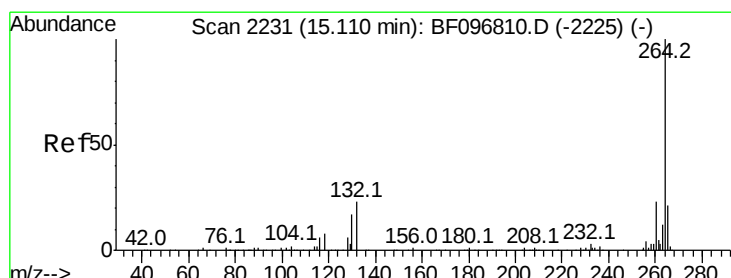
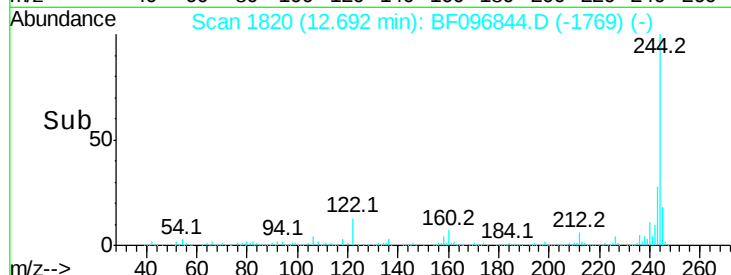
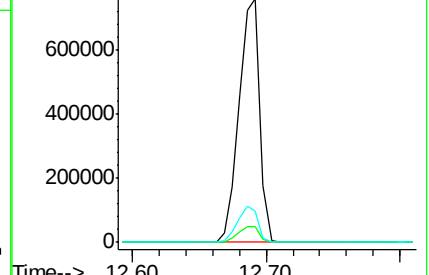
122 12.8 10.3 15.5



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

Perylene-d12

Concen: 20.000 ng

RT: 15.10 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BF096844.D

Acq: 18 Jul 2017 13:30

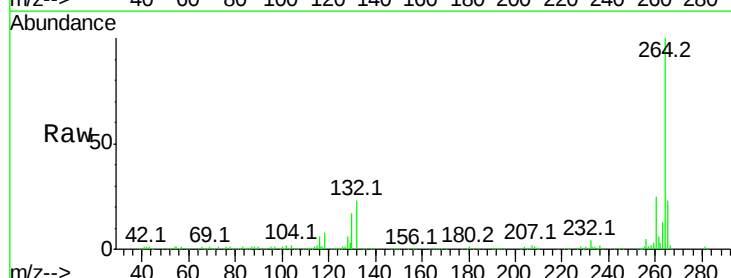
Tgt Ion:264 Resp: 215288

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

265 22.6 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

