

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071417\
 Data File : BF096787.D
 Acq On : 14 Jul 2017 22:31
 Operator : SJ/JU
 Sample : I4176-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 14 23:54:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

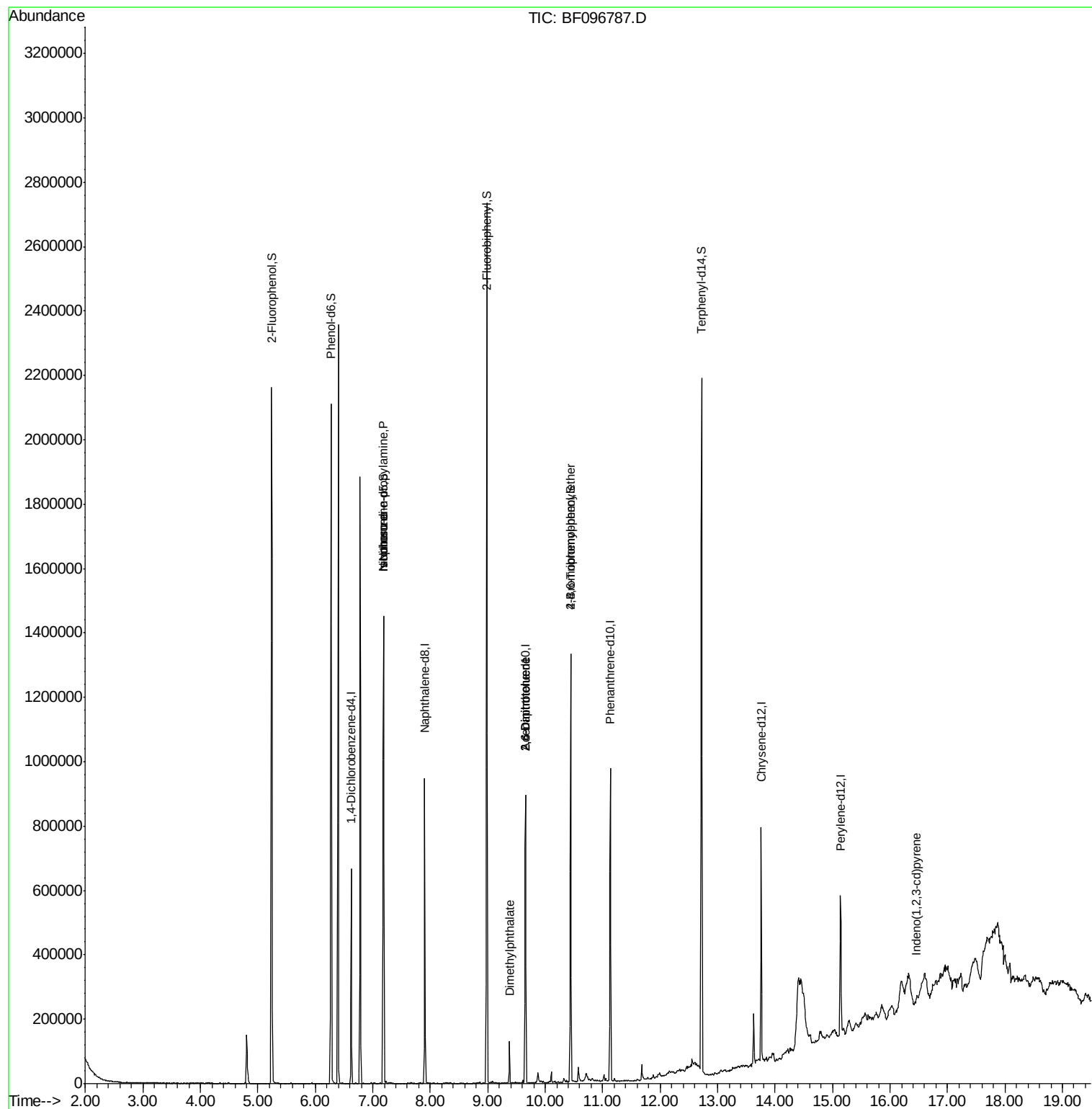
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	97568	20.00	ng	-0.01
21) Naphthalene-d8	7.90	136	444844	20.00	ng	-0.02
38) Acenaphthene-d10	9.66	164	179041	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	320006	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	257688	20.00	ng	-0.01
86) Perylene-d12	15.14	264	170782	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	611142	94.18	ng	0.00
7) Phenol-d6	6.27	99	746269	95.83	ng	0.00
23) Nitrobenzene-d5	7.19	82	430782	59.98	ng	-0.02
41) 2,4,6-Tribromophenol	10.44	330	159766	104.54	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	882937	77.91	ng	-0.01
78) Terphenyl-d14	12.72	244	664144	44.70	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	58029	12.37	ng	# 87
25) Isophorone	7.19	82	429695	32.16	ng	# 67
49) Dimethylphthalate	9.38	163	54271	4.03	ng	99
50) 2,6-Dinitrotoluene	9.66	165	22623	7.75	ng	# 33
56) 2,4-Dinitrotoluene	9.66	165	22623	6.03	ng	# 32
66) 4-Bromophenyl-phenylether	10.44	248	10186	3.12	ng	# 1
85) Indeno(1,2,3-cd)pyrene	16.45	276	502	3.36	ng	# 22

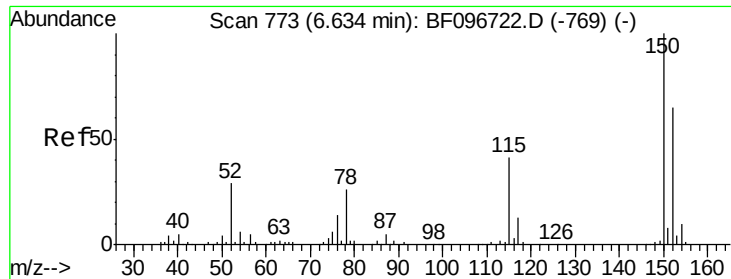
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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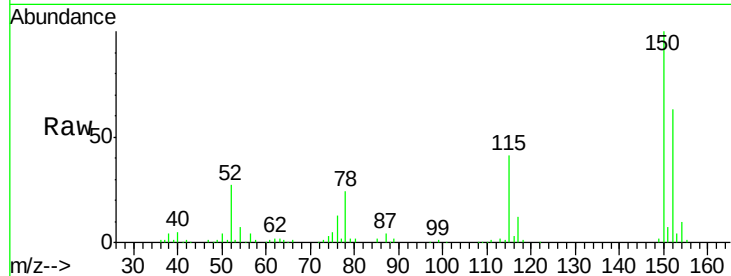


#1

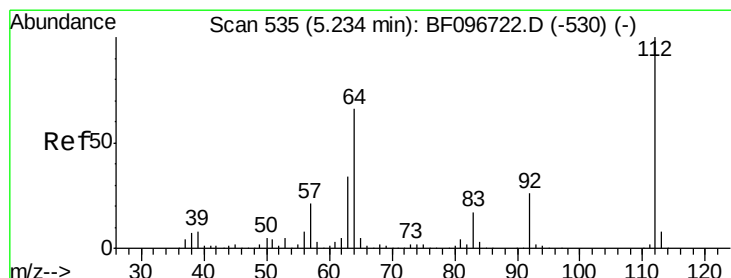
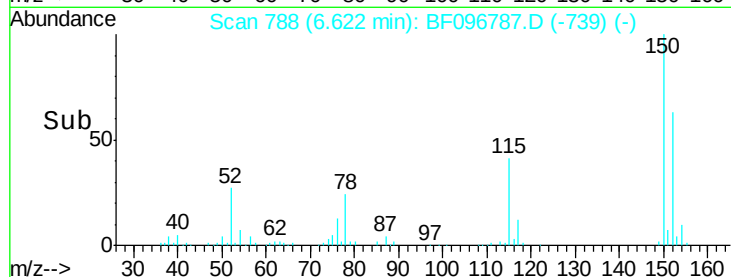
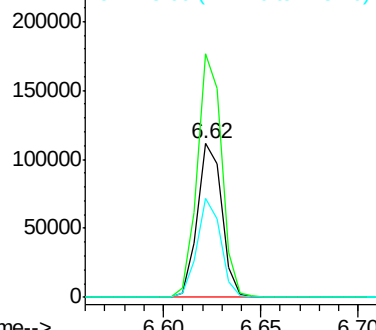
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF096787.D
Acq: 14 Jul 2017 22:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 97568
Ion Ratio Lower Upper
152 100
150 158.7 126.2 189.2
115 64.6 52.2 78.2



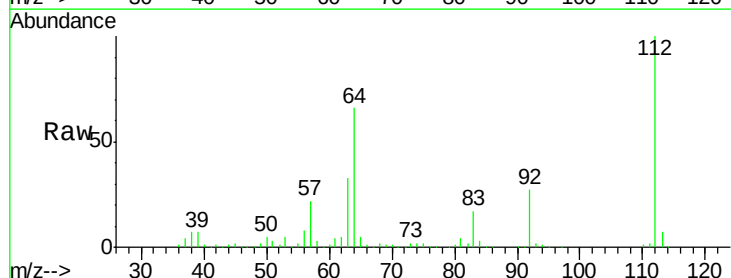
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



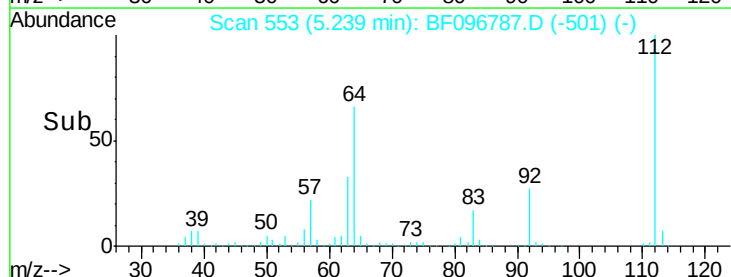
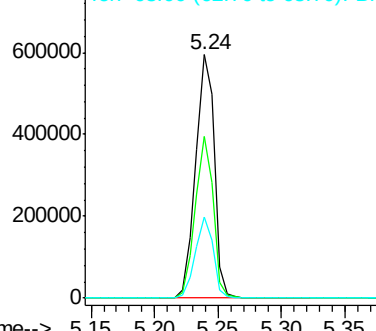
#5

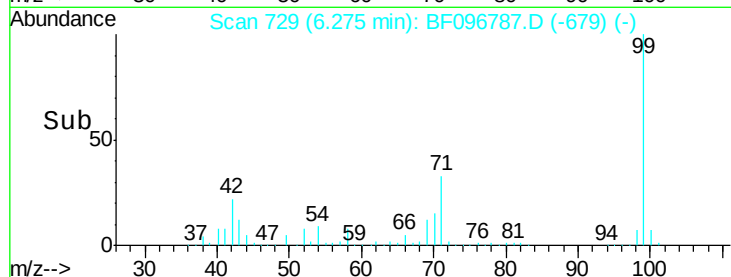
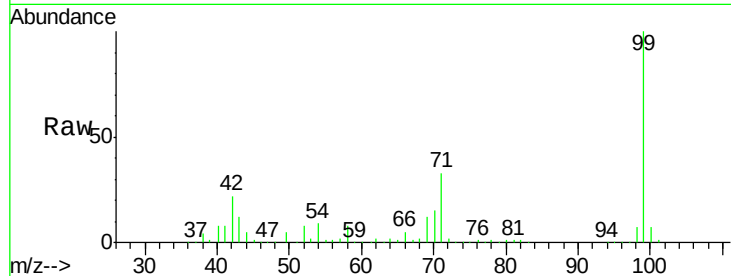
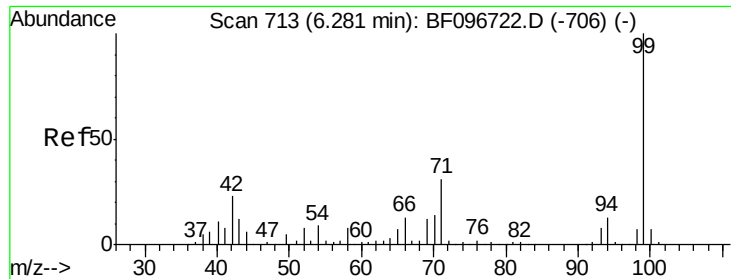
2-Fluorophenol
Concen: 94.18 ng
RT: 5.24 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF096787.D
Acq: 14 Jul 2017 22:31

Tgt Ion:112 Resp: 611142
Ion Ratio Lower Upper
112 100
64 66.2 46.0 69.0
63 33.1 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: 95.83 ng

RT: 6.27 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF096787.D

Acq: 14 Jul 2017 22:31

Instrument :

BNA_F

ClientSampled :

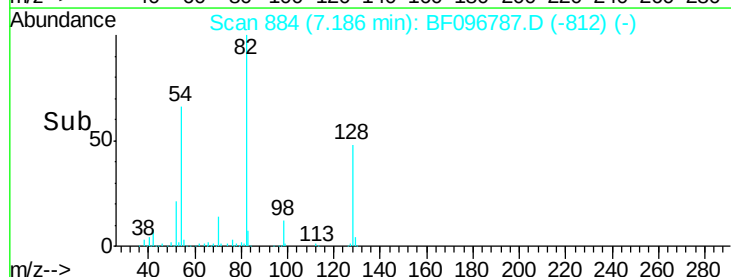
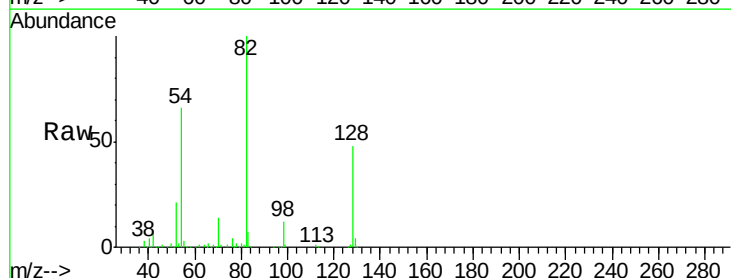
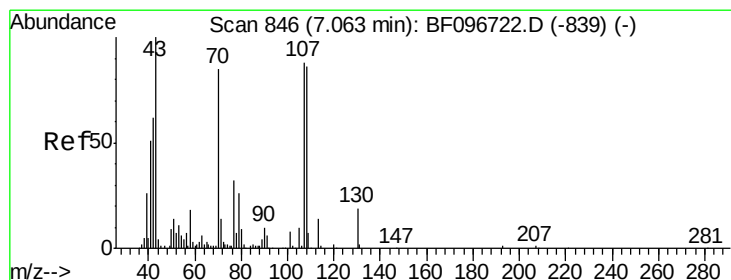
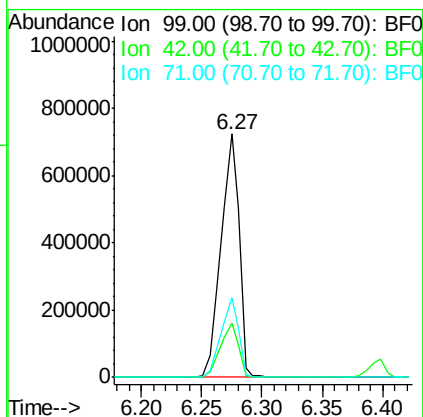
Tot Ion: 99 Resp: 746269

Ion Ratio Lower Upper

99 100

42 22.2 13.5 20.3#

71 32.6 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.37 ng

RT: 7.19 min Scan# 884

Delta R.T. 0.12 min

Lab File: BF096787.D

Acq: 14 Jul 2017 22:31

Tgt Ion: 70 Resp: 58029

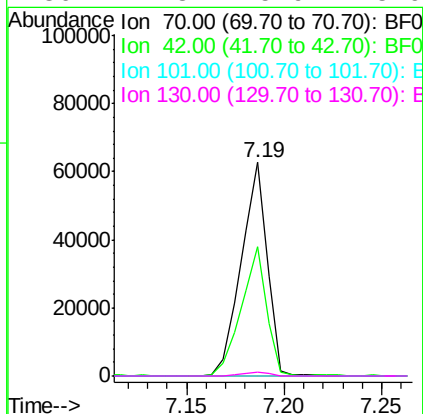
Ion Ratio Lower Upper

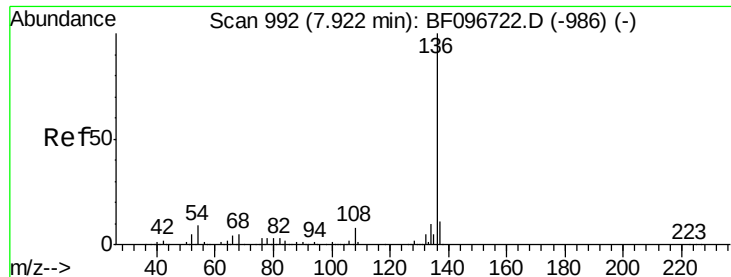
70 100

42 60.3 47.2 70.8

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 1006

Delta R.T. -0.02 min

Lab File: BF096787.D

Acq: 14 Jul 2017 22:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 444844

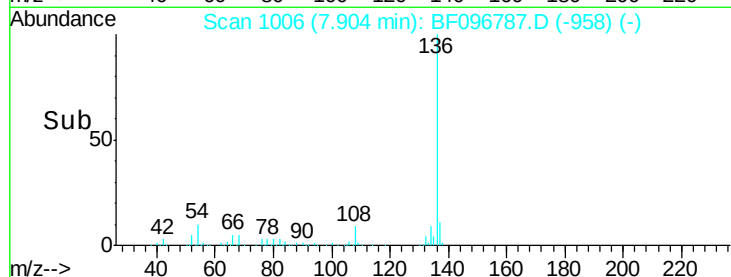
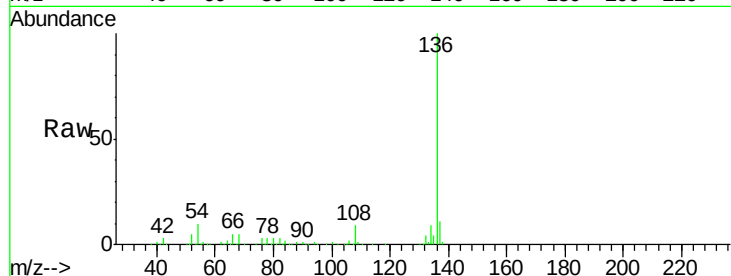
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 10.3 4.9 7.3#

68 5.2 4.1 6.1

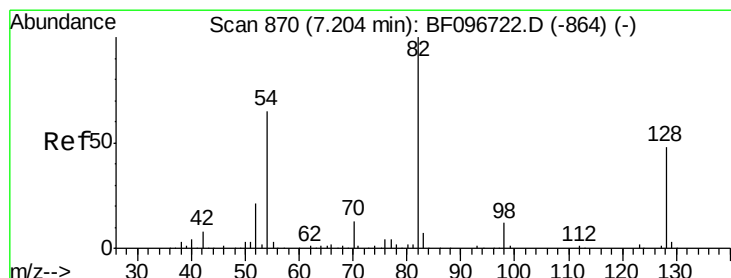
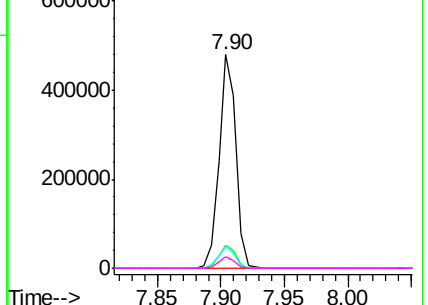


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.98 ng

RT: 7.19 min Scan# 884

Delta R.T. -0.02 min

Lab File: BF096787.D

Acq: 14 Jul 2017 22:31

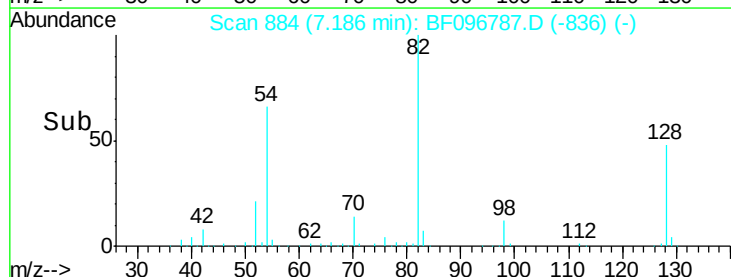
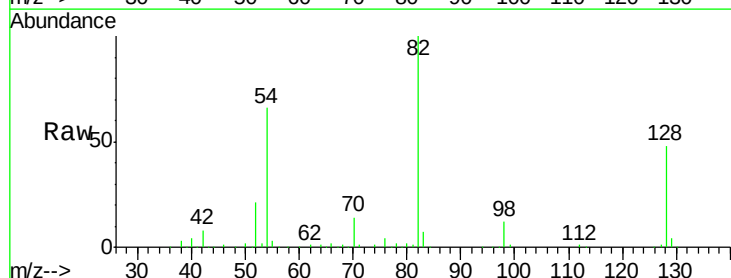
Tgt Ion: 82 Resp: 430782

Ion Ratio Lower Upper

82 100

128 47.8 34.0 51.0

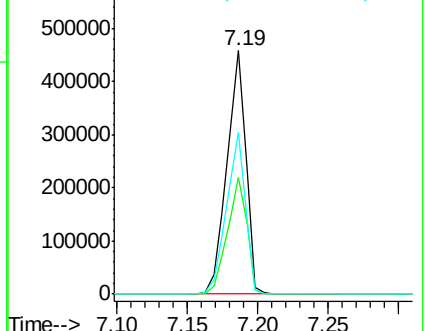
54 66.2 42.2 63.2#

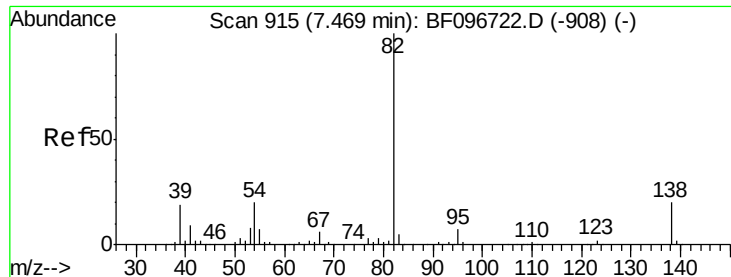


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 32.16 ng

RT: 7.19 min Scan# 884

Delta R.T. -0.28 min

Lab File: BF096787.D

Acq: 14 Jul 2017 22:31

Instrument :

BNA_F

ClientSampled :

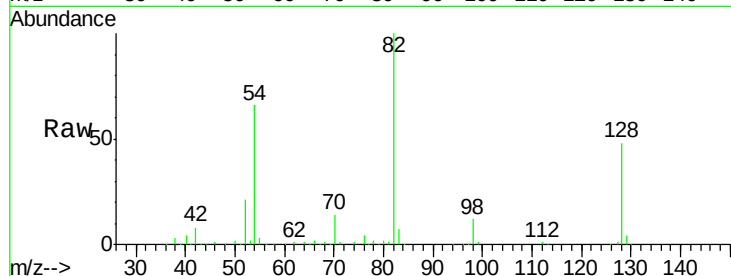
Tot Ion: 82 Resp: 429695

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

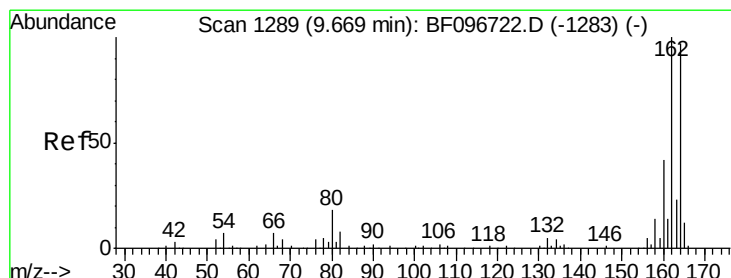
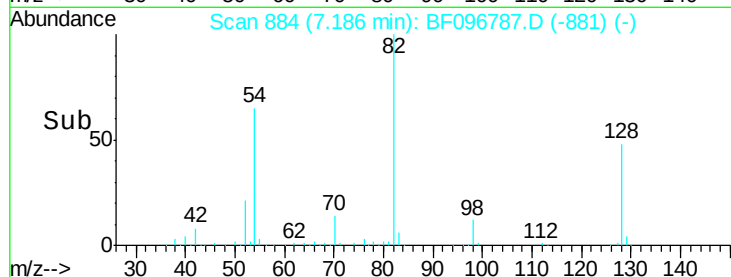
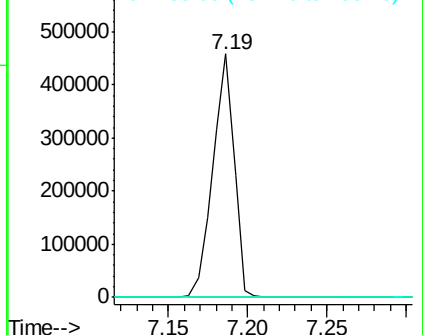
138 0.0 13.1 19.7#



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: 20.00 ng

RT: 9.66 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF096787.D

Acq: 14 Jul 2017 22:31

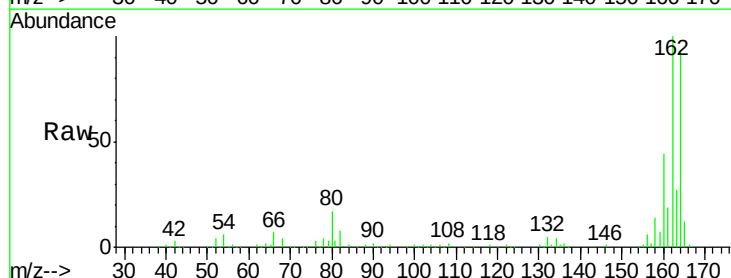
Tgt Ion:164 Resp: 179041

Ion Ratio Lower Upper

164 100

162 107.4 82.6 123.8

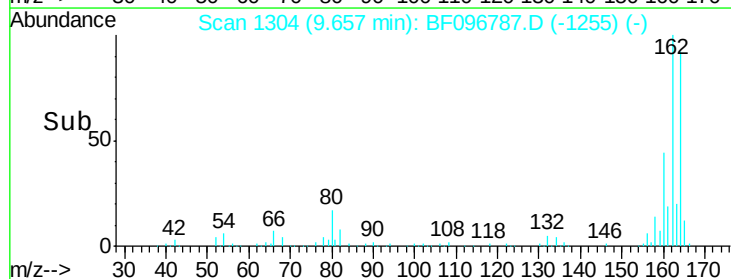
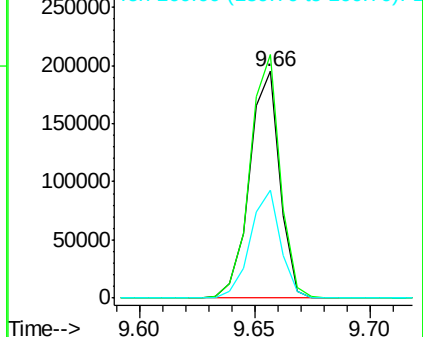
160 47.4 36.2 54.2

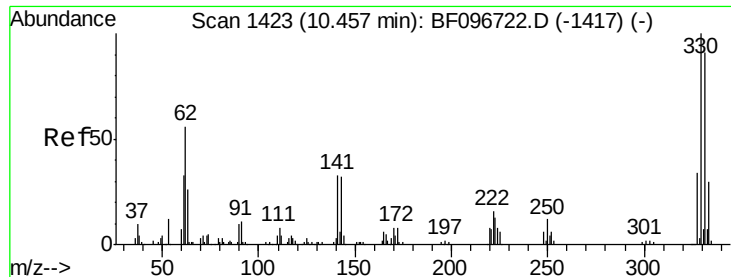


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

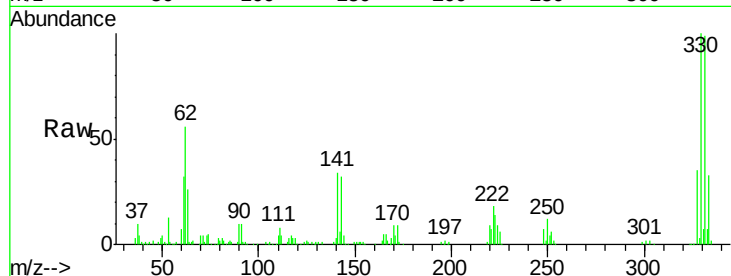




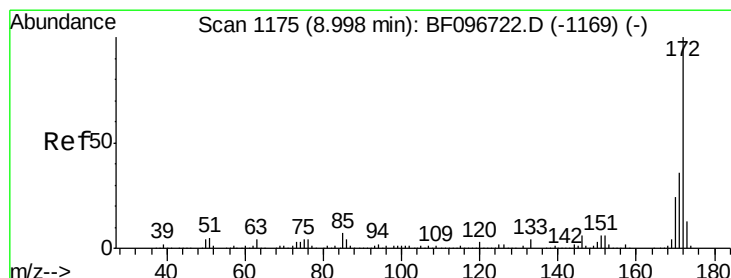
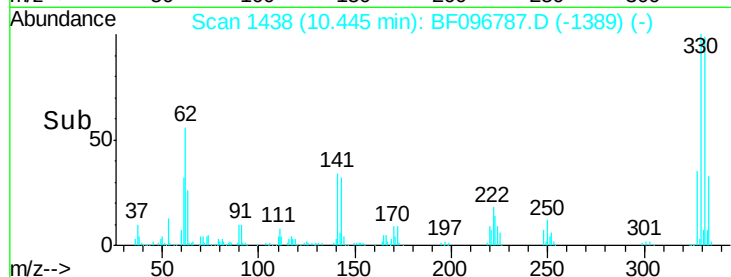
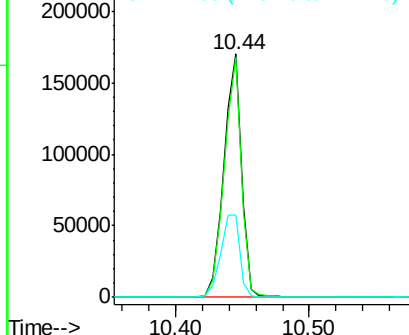
#41
 2,4,6-Tribromophenol
 Concen: 104.54 ng
 RT: 10.44 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF096787.D
 Acq: 14 Jul 2017 22:31

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	115.0
141	36.9	31.4	47.2

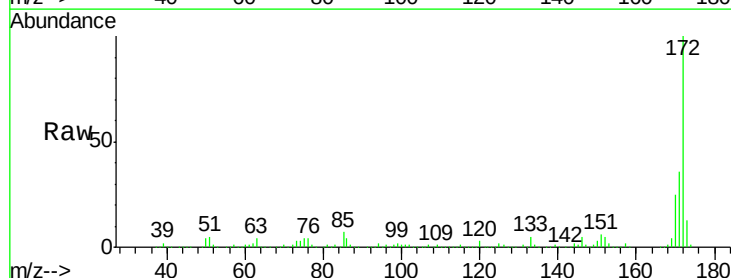


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

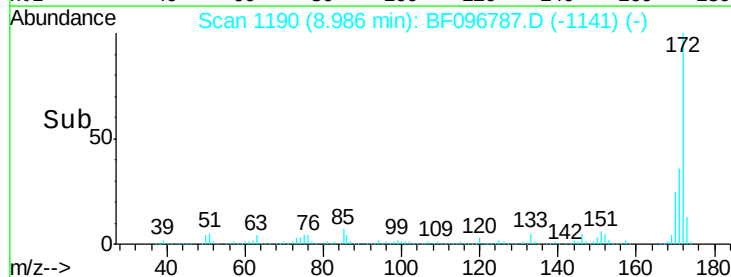
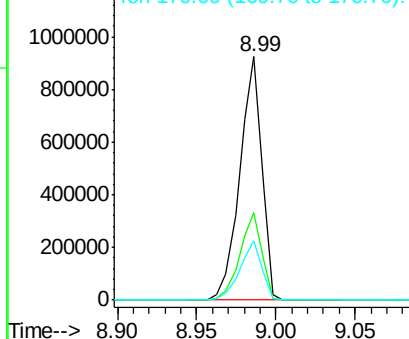


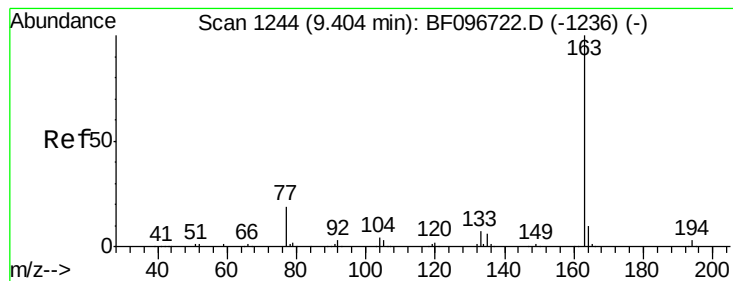
#44
 2-Fluorobiphenyl
 Concen: 77.91 ng
 RT: 8.99 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF096787.D
 Acq: 14 Jul 2017 22:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	24.5	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: 4.03 ng

RT: 9.38 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF096787.D

Acq: 14 Jul 2017 22:31

Instrument :

BNA_F

ClientSampleId :

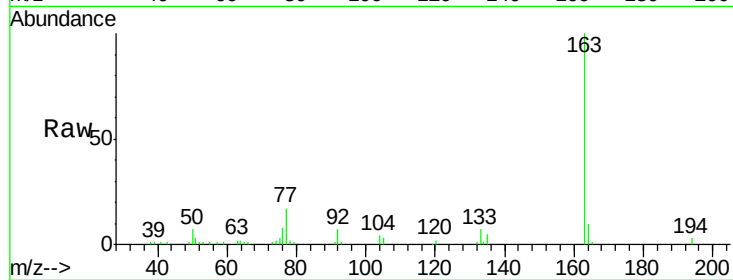
Tot Ion:163 Resp: 54271

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

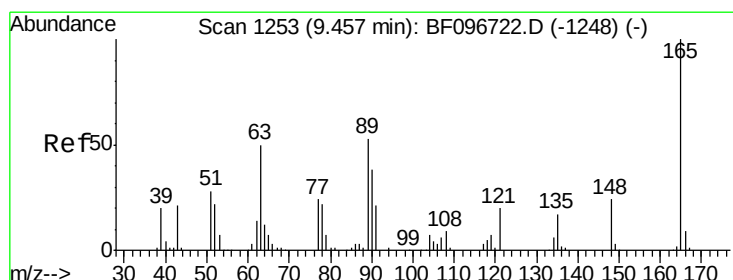
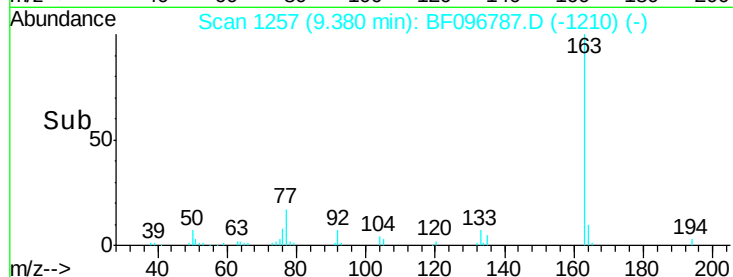
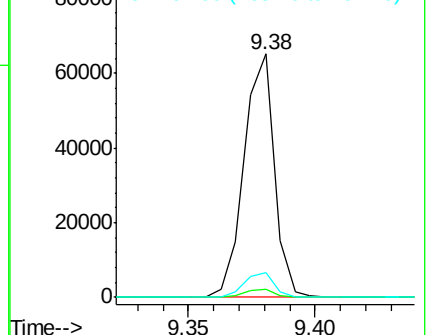
164 10.1 8.4 12.6



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: 7.75 ng

RT: 9.66 min Scan# 1304

Delta R.T. 0.20 min

Lab File: BF096787.D

Acq: 14 Jul 2017 22:31

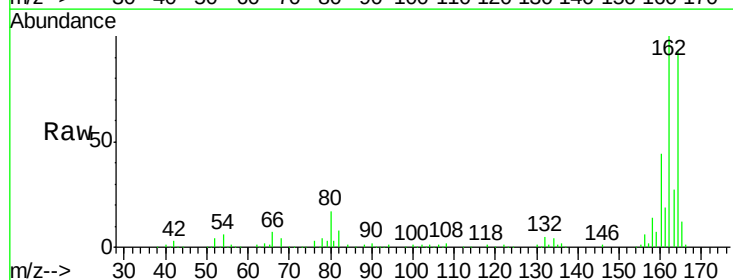
Tgt Ion:165 Resp: 22623

Ion Ratio Lower Upper

165 100

63 2.0 34.3 51.5#

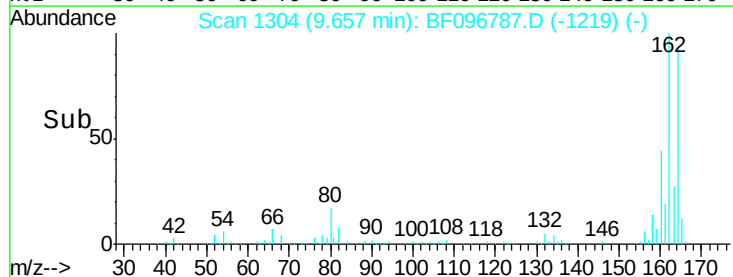
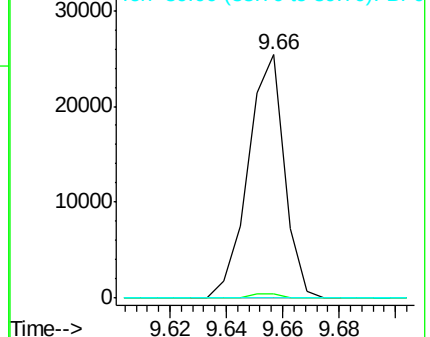
89 0.0 37.1 55.7#

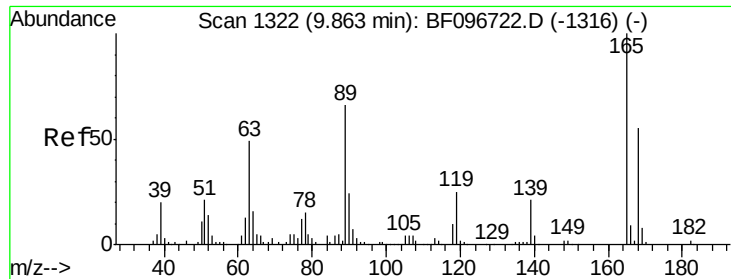


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

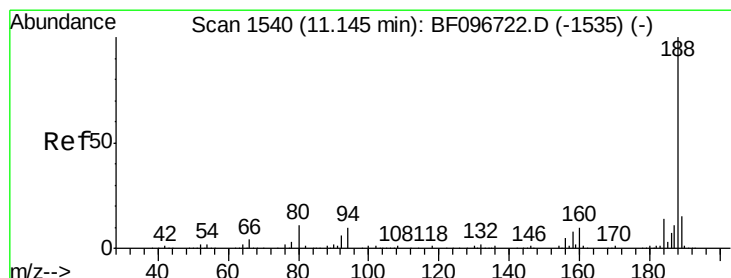
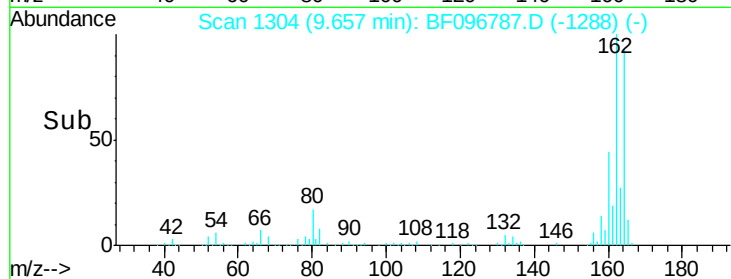
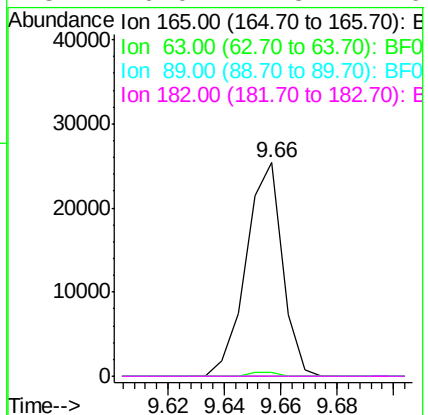
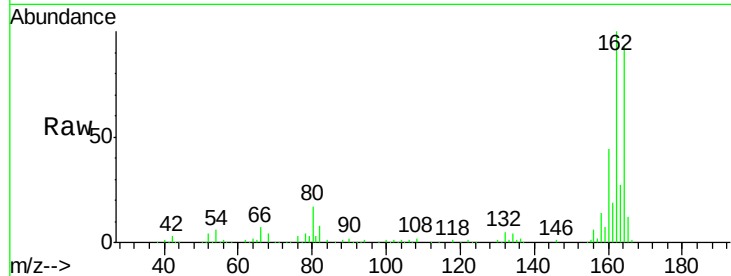




#56
 2,4-Dinitrotoluene
 Concen: 6.03 ng
 RT: 9.66 min Scan# 1304
 Delta R.T. -0.21 min
 Lab File: BF096787.D
 Acq: 14 Jul 2017 22:31

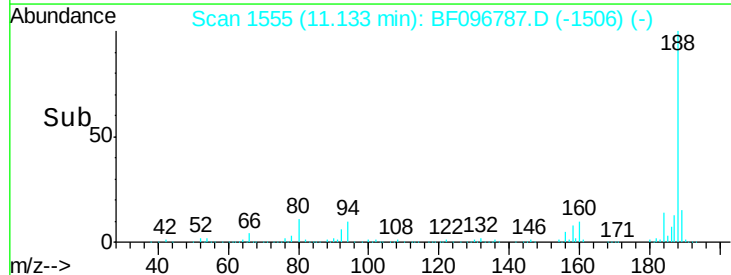
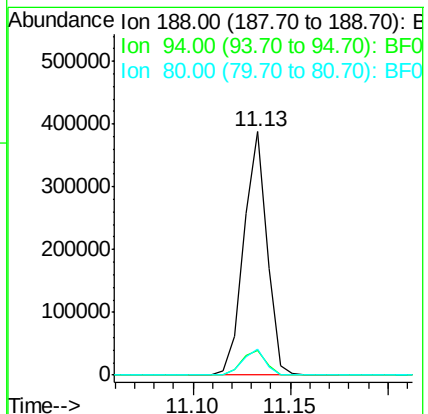
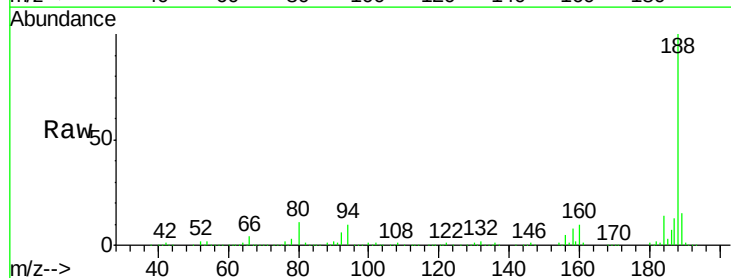
Instrument :
 BNA_F
 ClientSampleId :

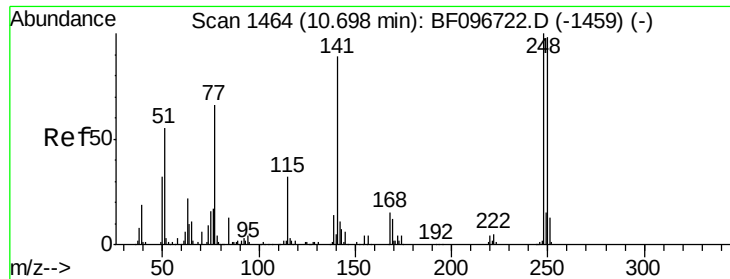
Tot Ion:165 Resp: 22623
 Ion Ratio Lower Upper
 165 100
 63 2.0 25.4 38.0#
 89 0.0 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF096787.D
 Acq: 14 Jul 2017 22:31

Tgt Ion:188 Resp: 320006
 Ion Ratio Lower Upper
 188 100
 94 10.0 9.4 14.2
 80 10.6 10.2 15.2

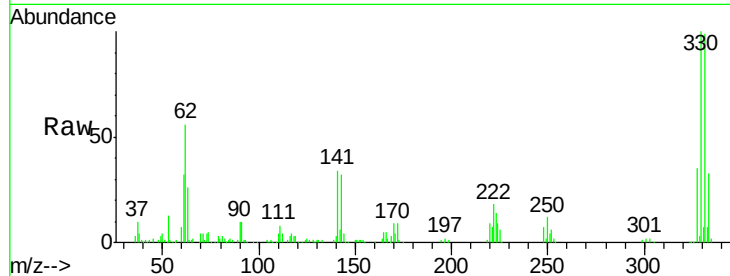




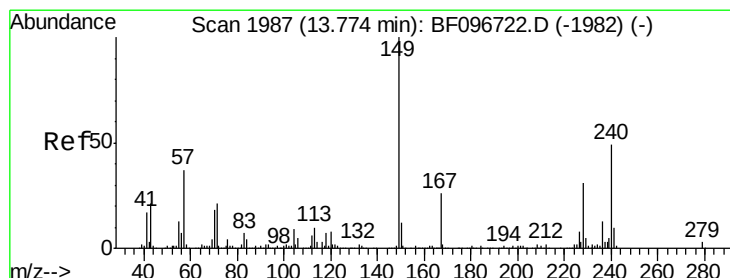
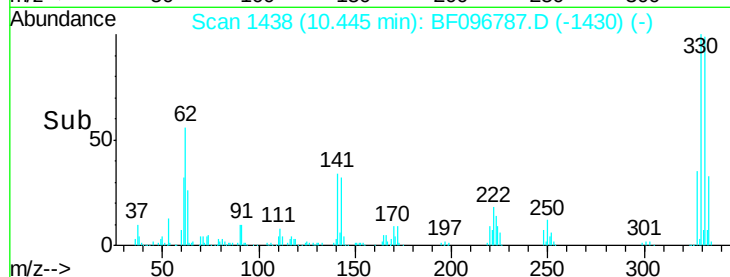
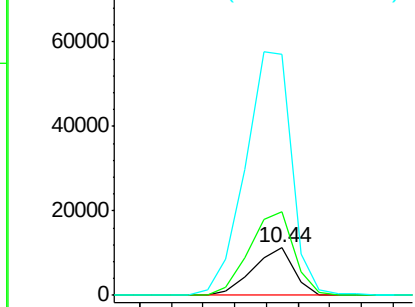
#66
4-Bromophenyl-phenylether
Concen: 3.12 ng
RT: 10.44 min Scan# 1438
Delta R.T. -0.25 min
Lab File: BF096787.D
Acq: 14 Jul 2017 22:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10186
Ion Ratio Lower Upper
248 100
250 176.4 76.8 115.2#
141 506.9 68.6 103.0#

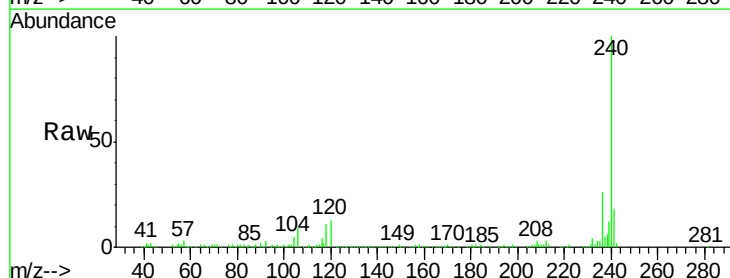


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

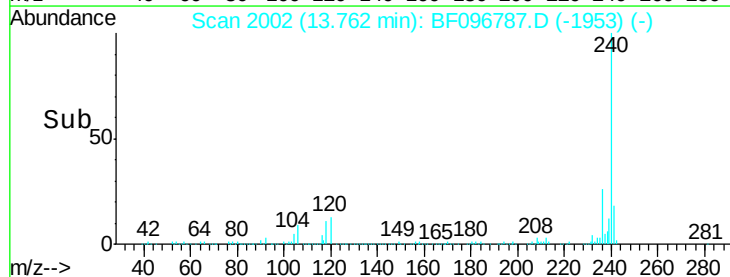
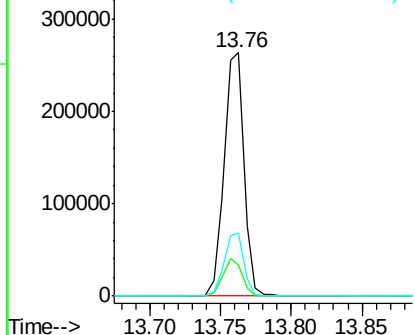


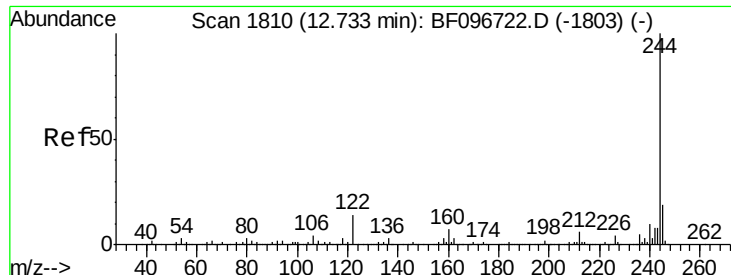
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.76 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF096787.D
Acq: 14 Jul 2017 22:31

Tgt Ion:240 Resp: 257688
Ion Ratio Lower Upper
240 100
120 12.6 5.8 8.8#
236 26.2 20.5 30.7



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





#78

Terphenyl-d14

Concen: 44.70 ng

RT: 12.72 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF096787.D

Acq: 14 Jul 2017 22:31

Instrument :

BNA_F

ClientSampleId :

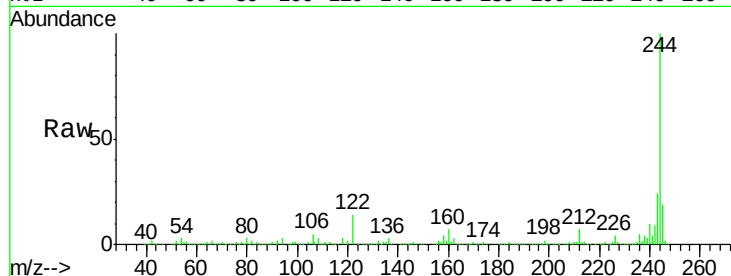
Tot Ion:244 Resp: 664144

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

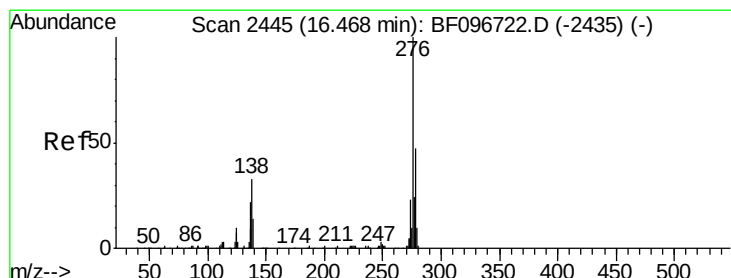
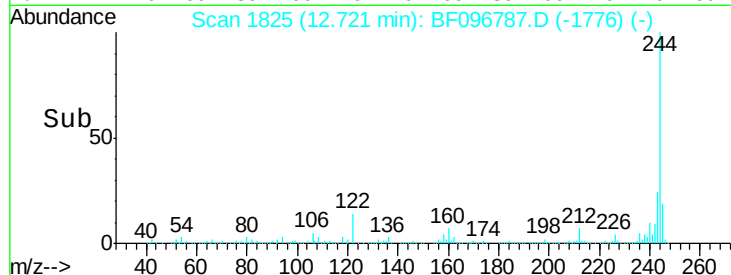
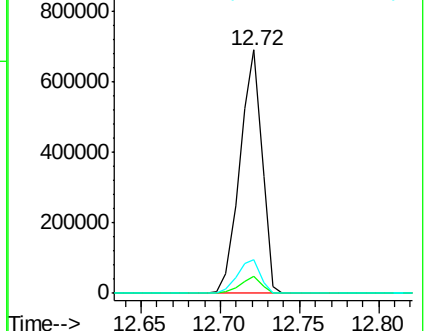
122 14.1 10.3 15.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.36 ng

RT: 16.45 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BF096787.D

Acq: 14 Jul 2017 22:31

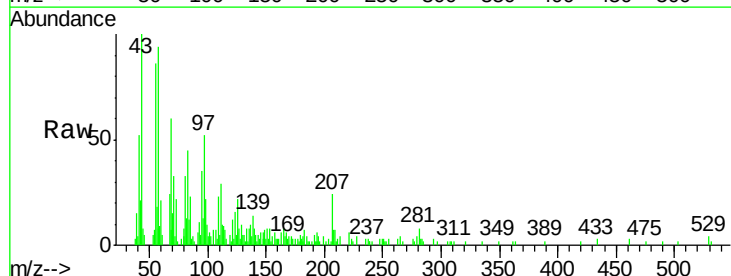
Tgt Ion:276 Resp: 502

Ion Ratio Lower Upper

276 100

138 91.2 27.8 41.6#

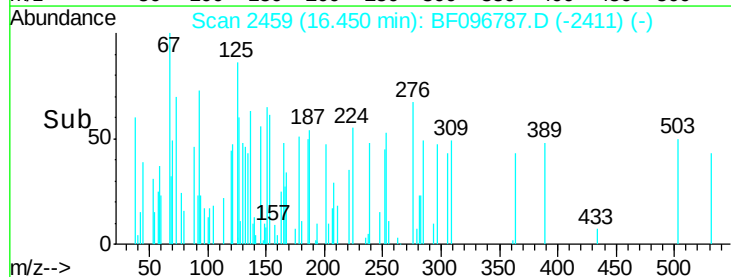
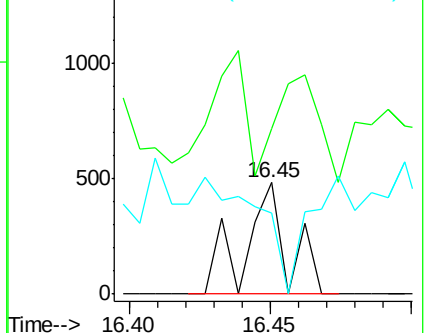
277 0.0 20.2 30.4#

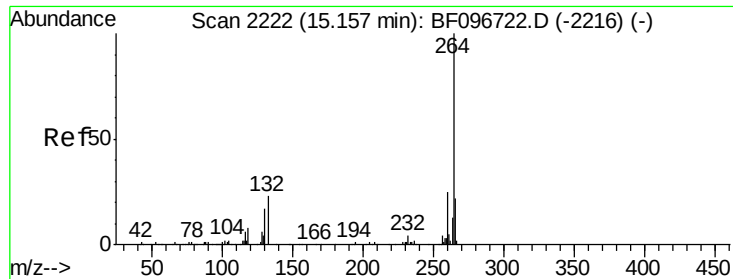


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

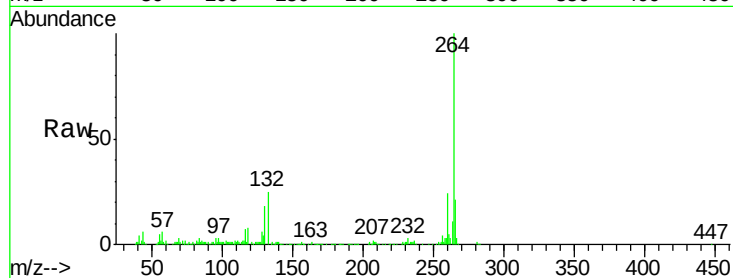




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF096787.D
Acq: 14 Jul 2017 22:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.5	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

