

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071417\
 Data File : BF096790.D
 Acq On : 14 Jul 2017 23:55
 Operator : SJ/JU
 Sample : I4176-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 15 01:38:05 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	117706	20.00	ng	-0.01
21) Naphthalene-d8	7.90	136	418467	20.00	ng	-0.02
38) Acenaphthene-d10	9.65	164	185361	20.00	ng	-0.02
63) Phenanthrene-d10	11.13	188	314126	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	216355	20.00	ng	-0.02
86) Perylene-d12	15.14	264	198338	20.00	ng	-0.02

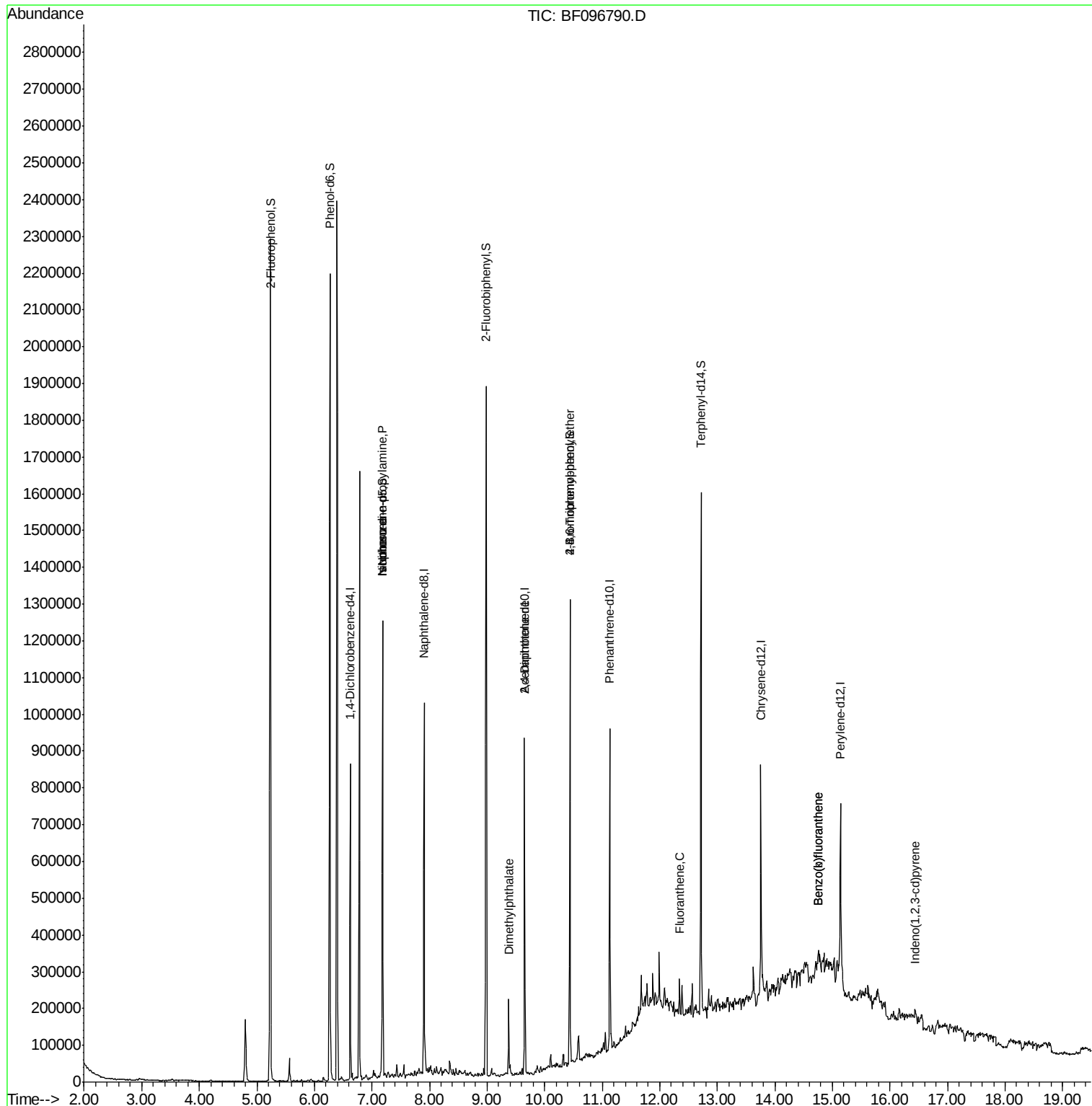
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	633349	80.90	ng	0.00
7) Phenol-d6	6.27	99	776713	82.68	ng	-0.01
23) Nitrobenzene-d5	7.19	82	378163	55.98	ng	-0.02
41) 2,4,6-Tribromophenol	10.44	330	134511	85.01	ng	-0.02
44) 2-Fluorobiphenyl	8.98	172	625828	53.34	ng	-0.02
78) Terphenyl-d14	12.72	244	437883	35.10	ng	-0.02

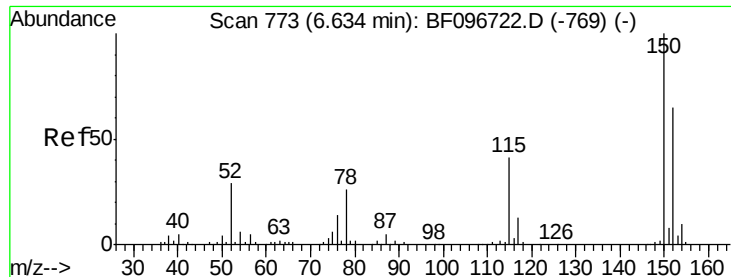
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.19	70	50448	8.91	ng	# 85
25) Isophorone	7.19	82	373177	29.69	ng	# 67
49) Dimethylphthalate	9.37	163	76150	5.46	ng	96
56) 2,4-Dinitrotoluene	9.65	165	24591	6.33	ng	# 33
66) 4-Bromophenyl-phenylether	10.44	248	8582	2.68	ng	# 1
74) Fluoranthene	12.34	202	33140	2.03	ng	97
85) Indeno(1,2,3-cd)pyrene	16.43	276	10740	4.17	ng	# 90
87) Benzo(b)fluoranthene	14.76	252	24304	2.03	ng	# 81
88) Benzo(k)fluoranthene	14.76	252	24928	2.20	ng	# 84

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

```
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Operator  : SJ/JU  
Sample    : I4176-01  
Misc      :  
ALS Vial  : 13      Sample Multiplier: 1
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Quant Time: Jul 15 01:38:05 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 788

Delta R.T. -0.01 min

Lab File: BF096790.D

Acq: 14 Jul 2017 23:55

Instrument :

BNA_F

ClientSampled :

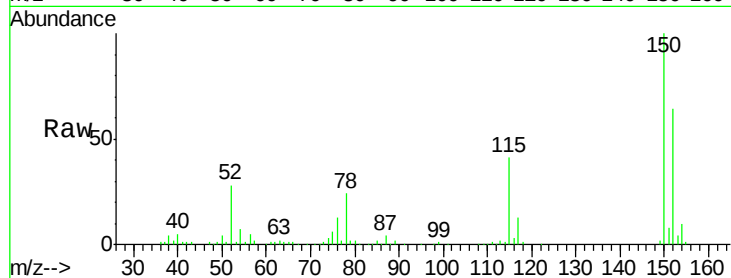
Tot Ion:152 Resp: 117706

Ion Ratio Lower Upper

152 100

150 156.4 126.2 189.2

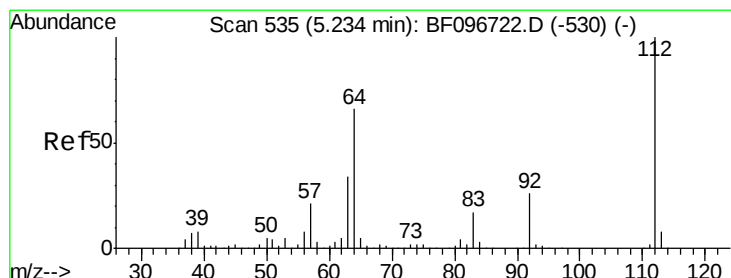
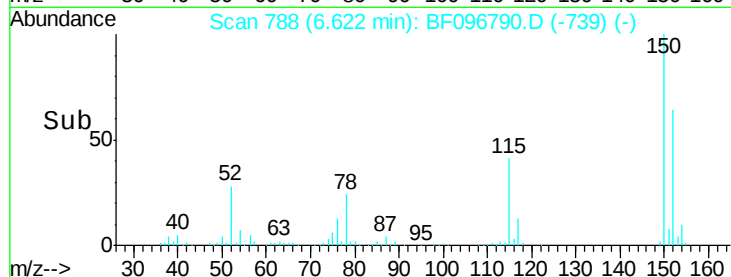
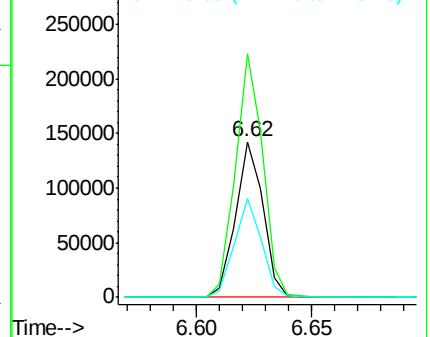
115 63.8 52.2 78.2



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: 80.90 ng

RT: 5.23 min Scan# 552

Delta R.T. 0.00 min

Lab File: BF096790.D

Acq: 14 Jul 2017 23:55

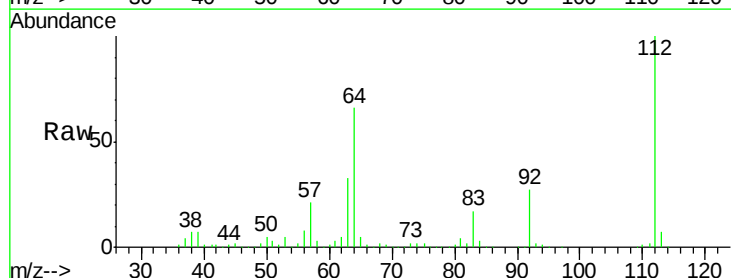
Tgt Ion:112 Resp: 633349

Ion Ratio Lower Upper

112 100

64 66.0 46.0 69.0

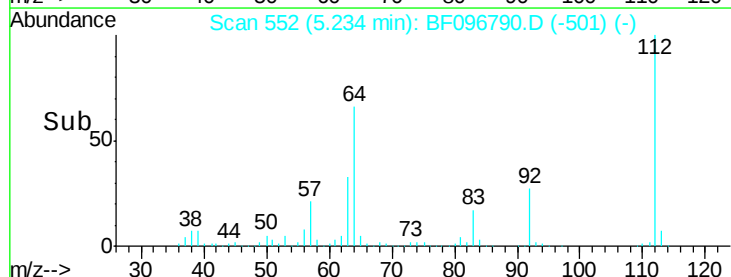
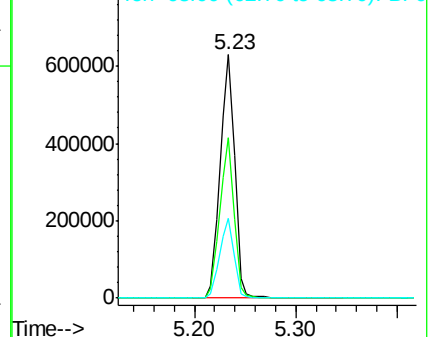
63 32.9 23.4 35.0

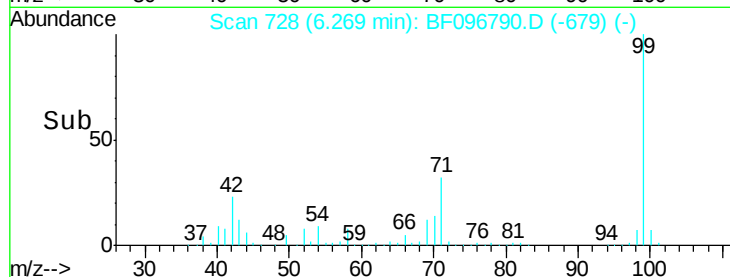
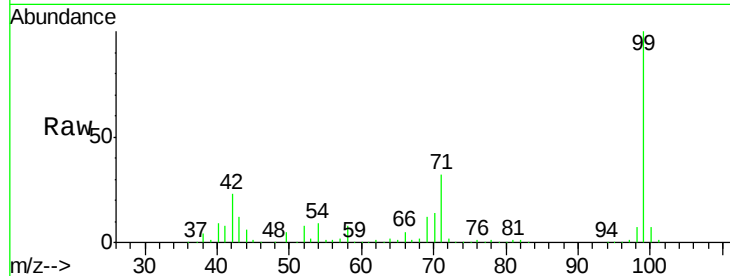
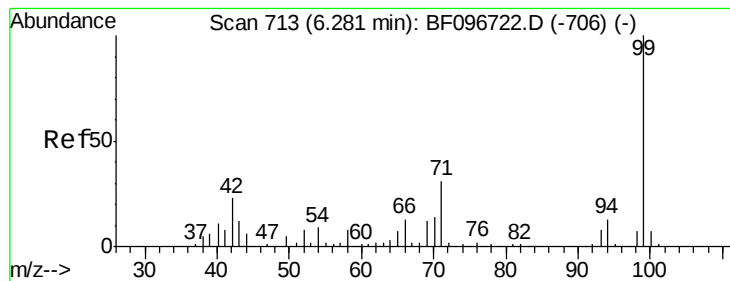


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 82.68 ng

RT: 6.27 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF096790.D

Acq: 14 Jul 2017 23:55

Instrument :

BNA_F

ClientSampleId :

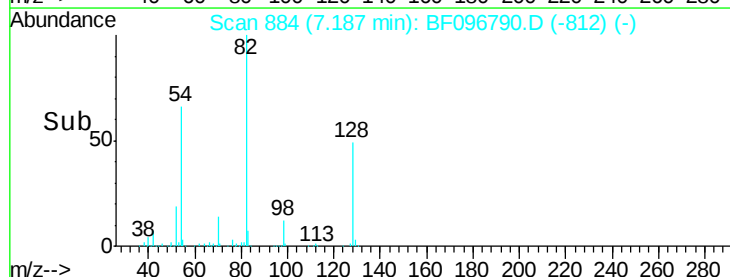
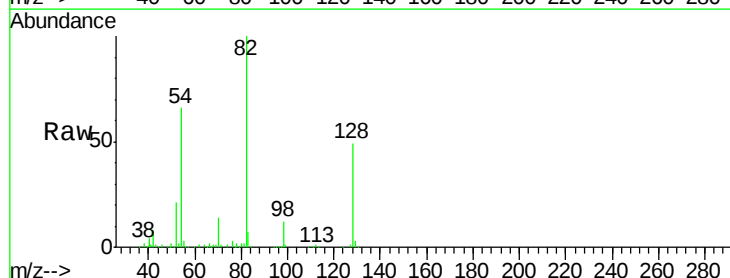
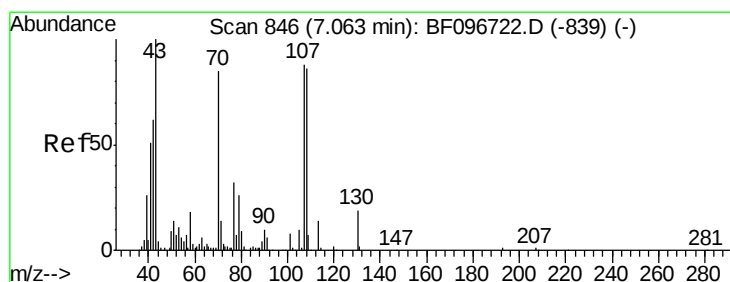
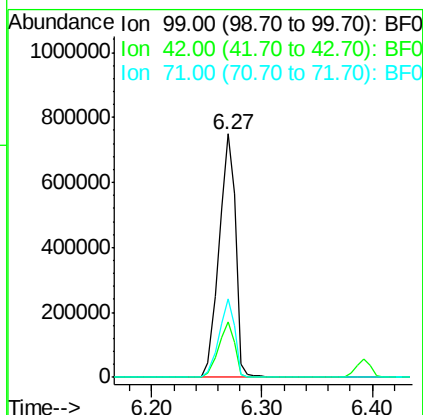
Tot Ion: 99 Resp: 776713

Ion Ratio Lower Upper

99 100

42 22.8 13.5 20.3#

71 32.1 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 8.91 ng

RT: 7.19 min Scan# 884

Delta R.T. 0.12 min

Lab File: BF096790.D

Acq: 14 Jul 2017 23:55

Tgt Ion: 70 Resp: 50448

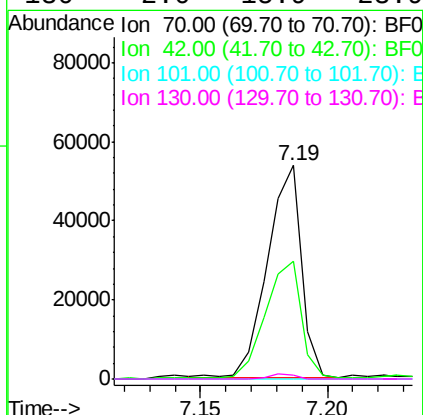
Ion Ratio Lower Upper

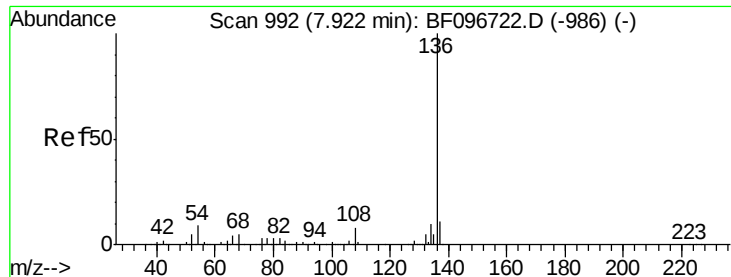
70 100

42 55.3 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 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: BF096790.D

Acq: 14 Jul 2017 23:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 418467

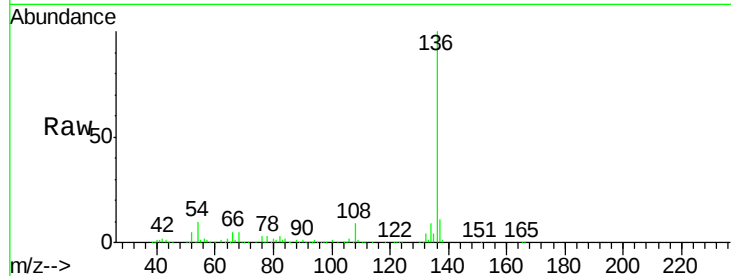
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 9.8 4.9 7.3#

68 5.1 4.1 6.1

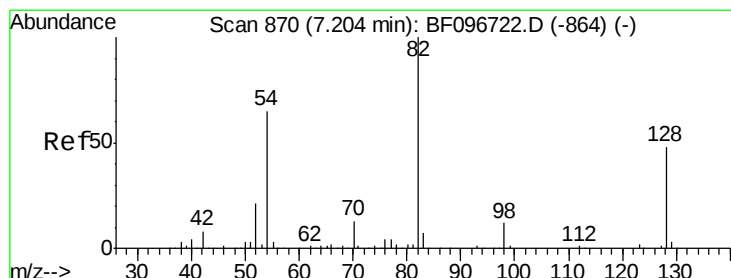
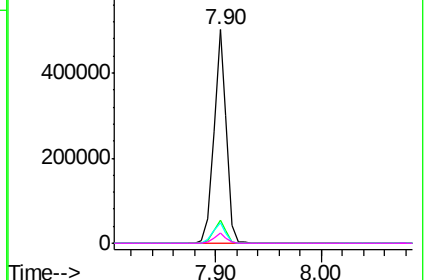
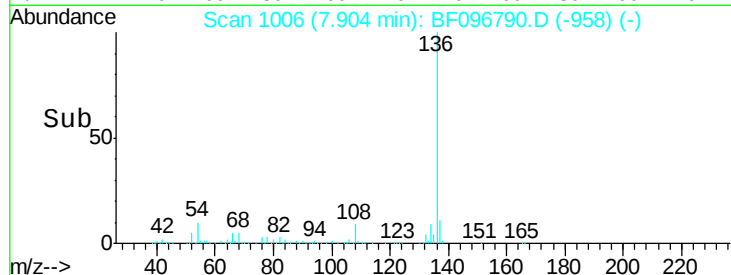


Abundance Ion 136.00 (135.70 to 136.70): E

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: 55.98 ng

RT: 7.19 min Scan# 884

Delta R.T. -0.02 min

Lab File: BF096790.D

Acq: 14 Jul 2017 23:55

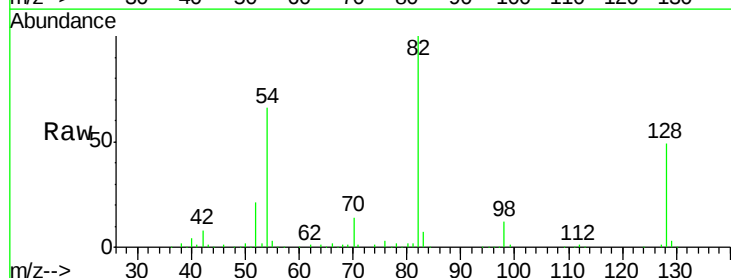
Tgt Ion: 82 Resp: 378163

Ion Ratio Lower Upper

82 100

128 49.0 34.0 51.0

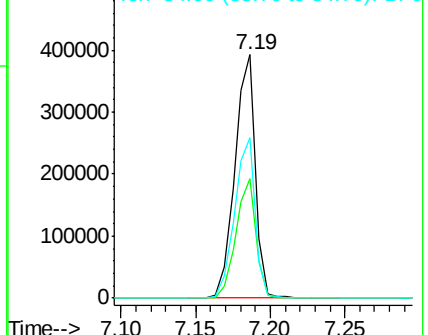
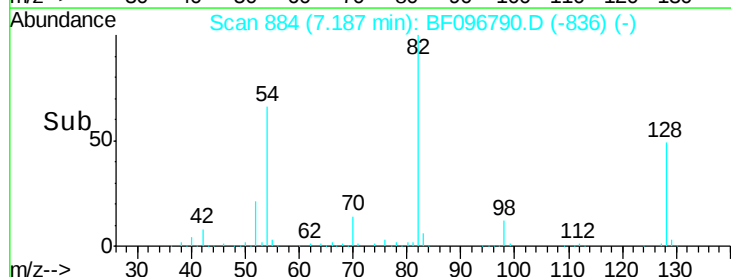
54 66.1 42.2 63.2#

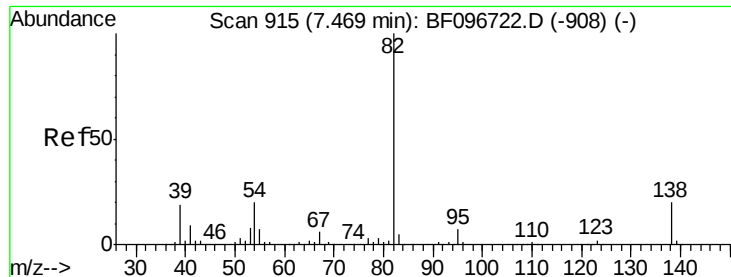


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 29.69 ng

RT: 7.19 min Scan# 884

Delta R.T. -0.28 min

Lab File: BF096790.D

Acq: 14 Jul 2017 23:55

Instrument :

BNA_F

ClientSampleId :

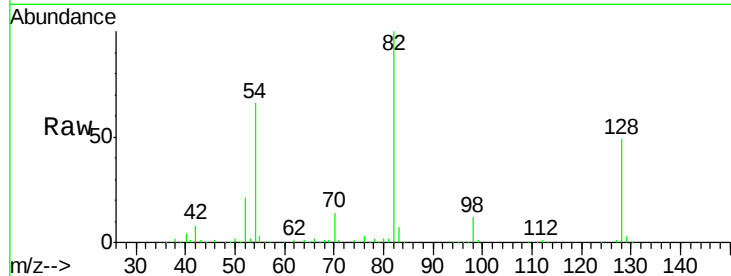
Tot Ion: 82 Resp: 373177

Ion Ratio Lower Upper

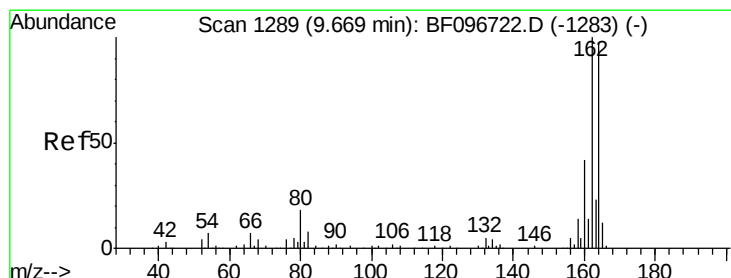
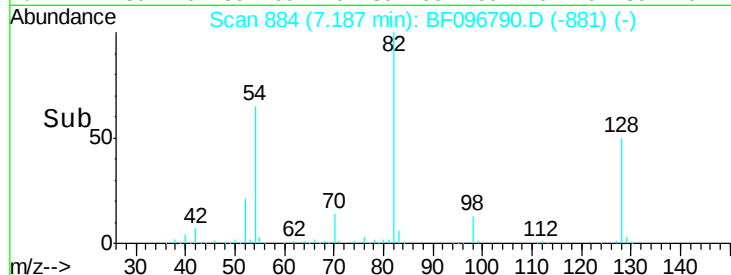
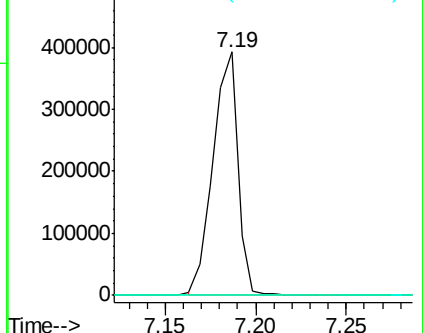
82 100

95 0.2 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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.65 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF096790.D

Acq: 14 Jul 2017 23:55

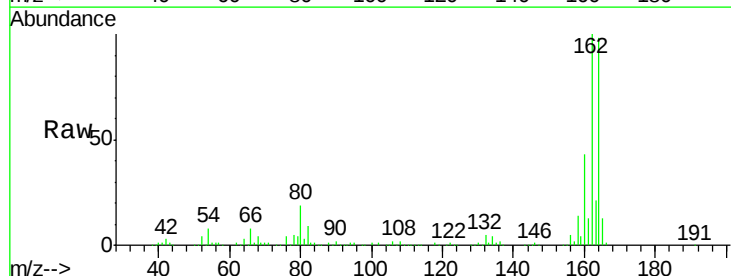
Tgt Ion:164 Resp: 185361

Ion Ratio Lower Upper

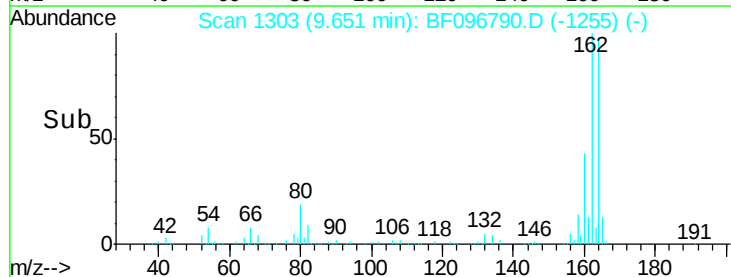
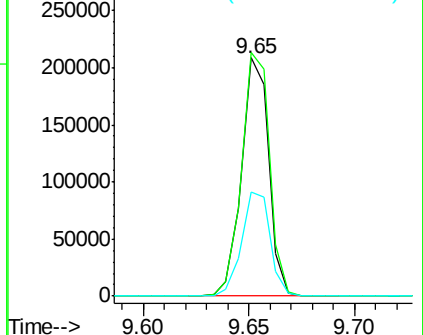
164 100

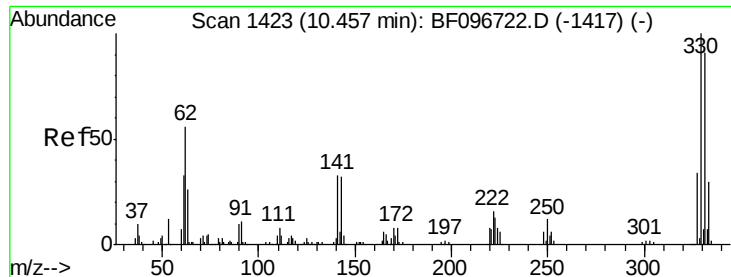
162 102.1 82.6 123.8

160 43.7 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: 85.01 ng

RT: 10.44 min Scan# 1437

Delta R.T. -0.02 min

Lab File: BF096790.D

Acq: 14 Jul 2017 23:55

Instrument :

BNA_F

ClientSampleId :

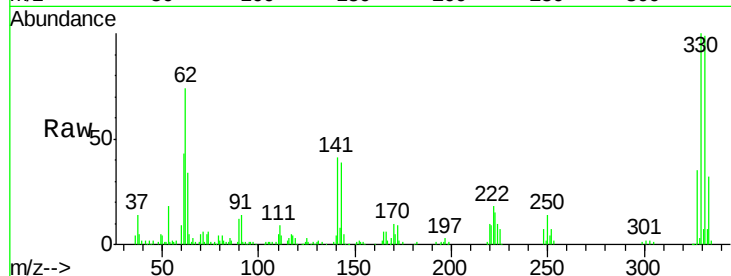
Tot Ion:330 Resp: 134511

Ion Ratio Lower Upper

330 100

332 97.4 76.6 115.0

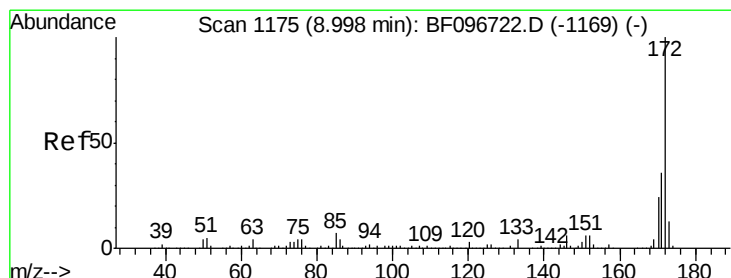
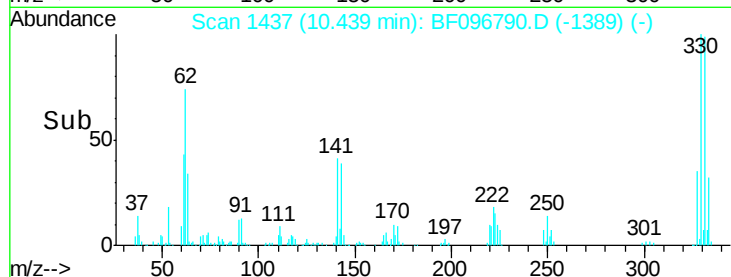
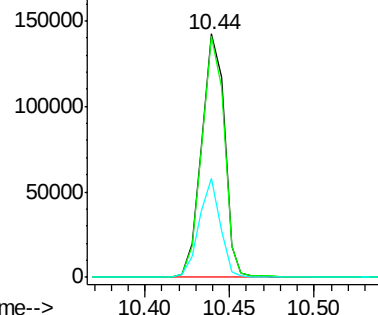
141 38.0 31.4 47.2



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: 53.34 ng

RT: 8.98 min Scan# 1189

Delta R.T. -0.02 min

Lab File: BF096790.D

Acq: 14 Jul 2017 23:55

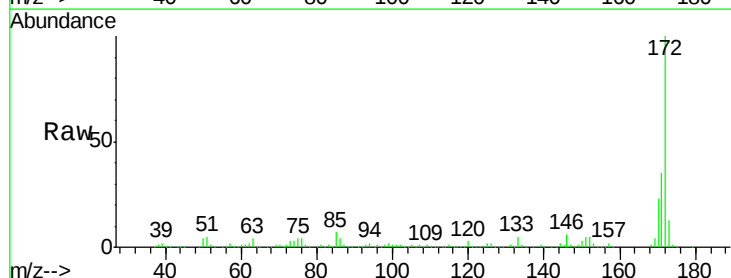
Tgt Ion:172 Resp: 625828

Ion Ratio Lower Upper

172 100

171 35.5 29.6 44.4

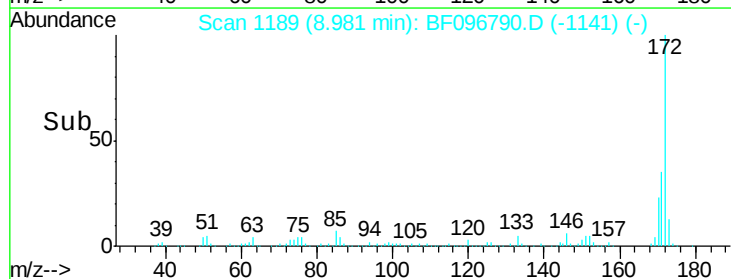
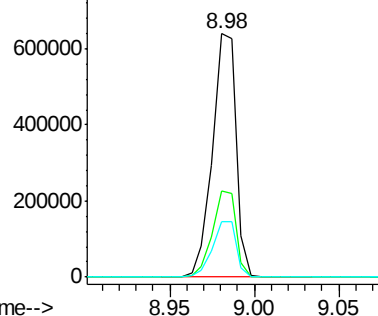
170 23.0 19.8 29.8

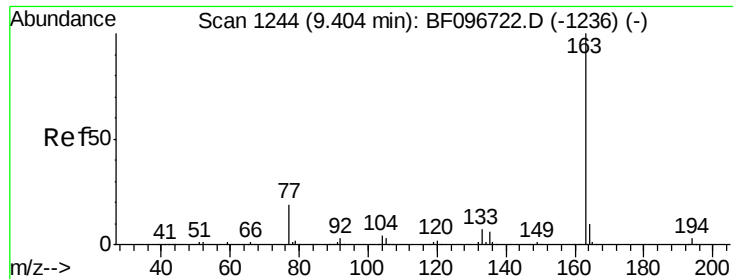


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

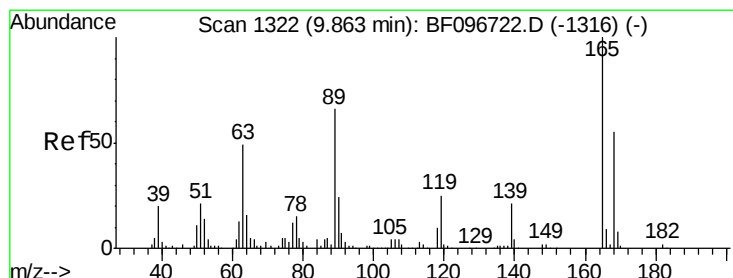
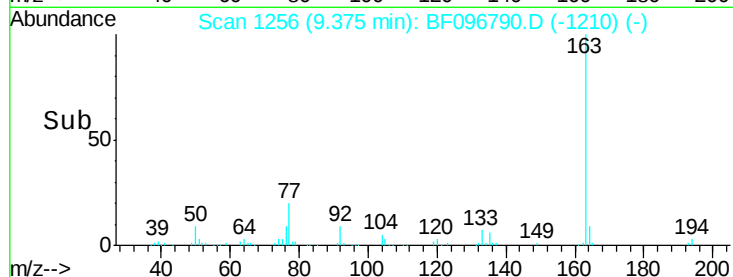
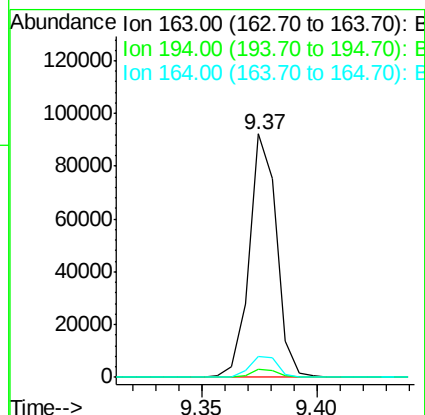
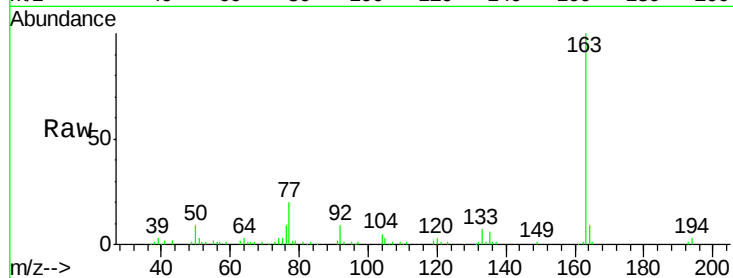




#49
Dimethylphthalate
Concen: 5.46 ng
RT: 9.37 min Scan# 1256
Delta R.T. -0.03 min
Lab File: BF096790.D
Acq: 14 Jul 2017 23:55

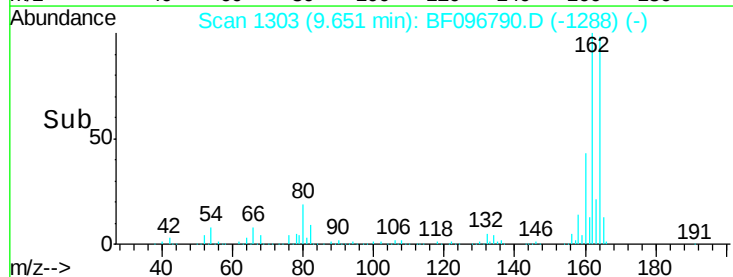
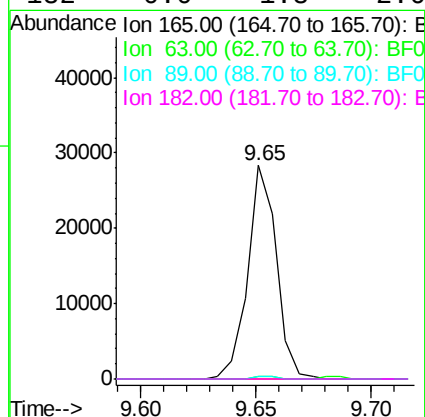
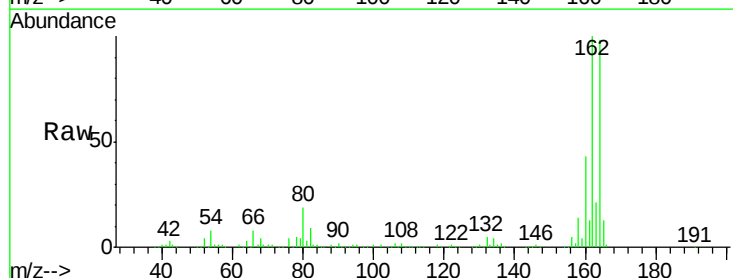
Instrument :
BNA_F
ClientSampleId :

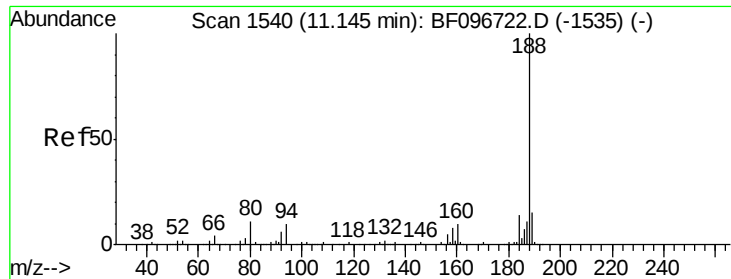
Tot Ion:163 Resp: 76150
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 8.8 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.33 ng
RT: 9.65 min Scan# 1303
Delta R.T. -0.21 min
Lab File: BF096790.D
Acq: 14 Jul 2017 23:55

Tgt Ion:165 Resp: 24591
Ion Ratio Lower Upper
165 100
63 1.4 25.4 38.0#
89 1.2 46.4 69.6#
182 0.0 1.8 2.6#

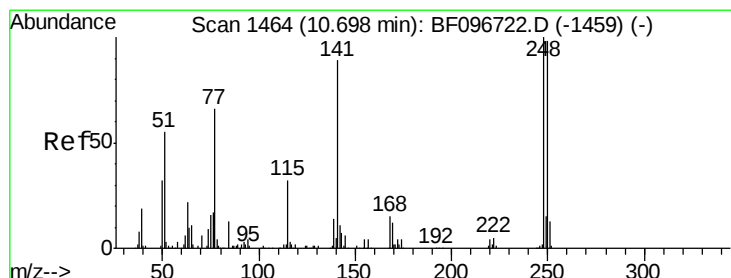
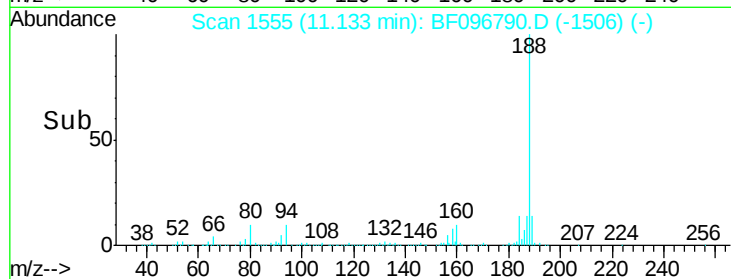
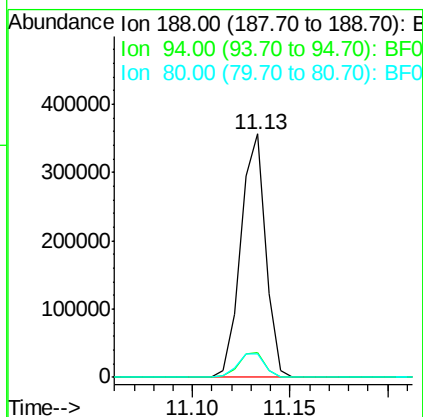
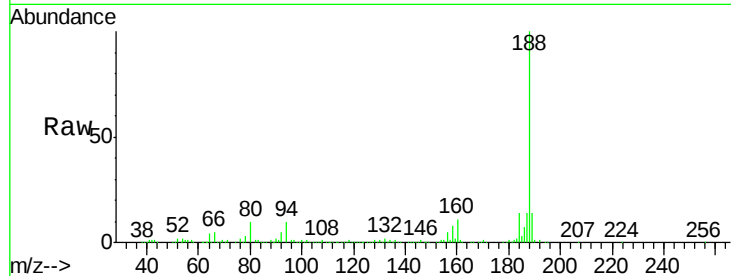




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF096790.D
Acq: 14 Jul 2017 23:55

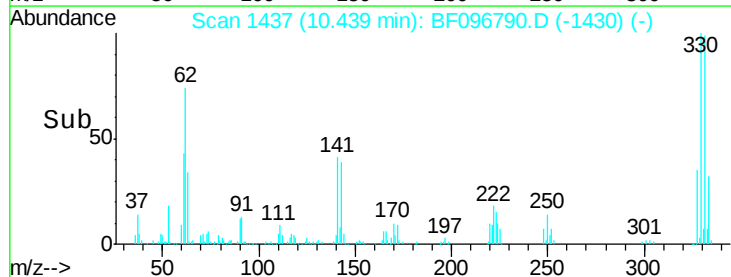
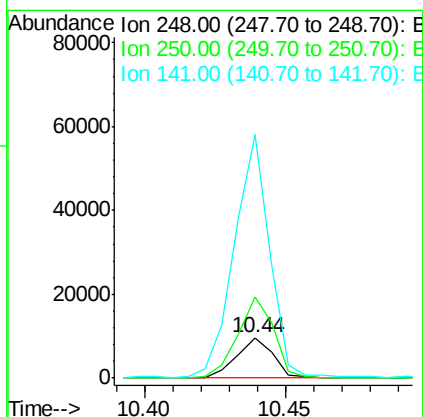
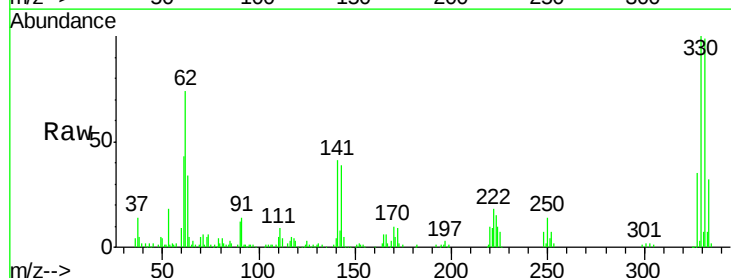
Instrument :
BNA_F
ClientSampled :

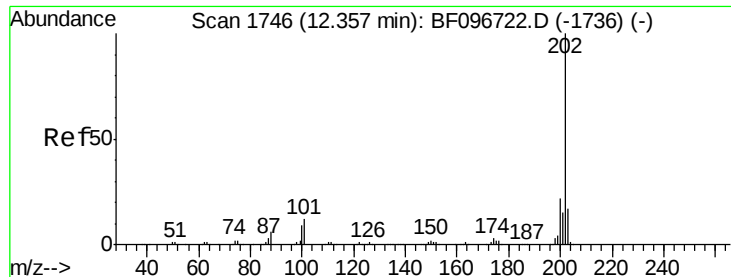
Tot Ion:188 Resp: 314126
Ion Ratio Lower Upper
188 100
94 10.1 9.4 14.2
80 9.8 10.2 15.2#



#66
4-Bromophenyl-phenylether
Concen: 2.68 ng
RT: 10.44 min Scan# 1437
Delta R.T. -0.26 min
Lab File: BF096790.D
Acq: 14 Jul 2017 23:55

Tgt Ion:248 Resp: 8582
Ion Ratio Lower Upper
248 100
250 202.3 76.8 115.2#
141 604.7 68.6 103.0#





#74

Fluoranthene

Concen: 2.03 ng

RT: 12.34 min Scan# 1760

Delta R.T. -0.02 min

Lab File: BF096790.D

Acq: 14 Jul 2017 23:55

Instrument :

BNA_F

ClientSampleId :

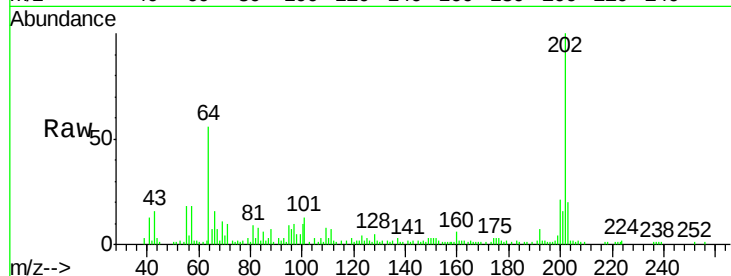
Tot Ion:202 Resp: 33140

Ion Ratio Lower Upper

202 100

101 13.5 0.0 33.2

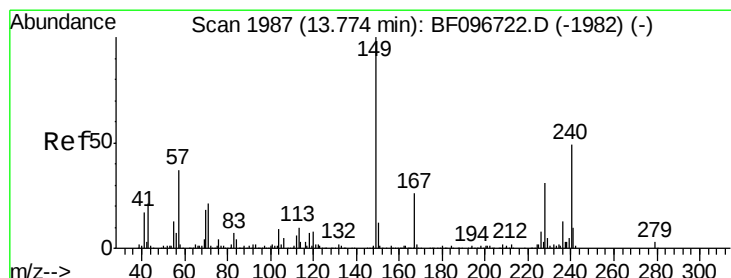
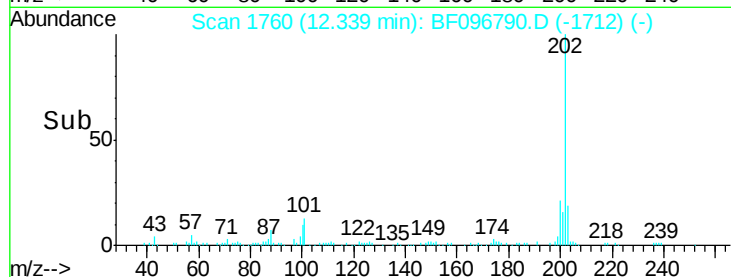
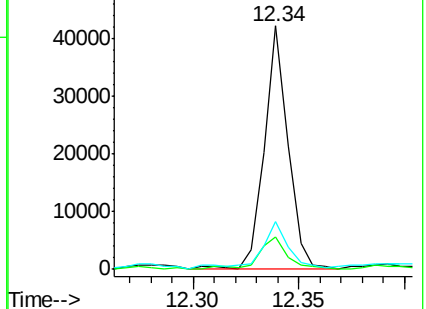
203 19.9 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BF096790.D

Acq: 14 Jul 2017 23:55

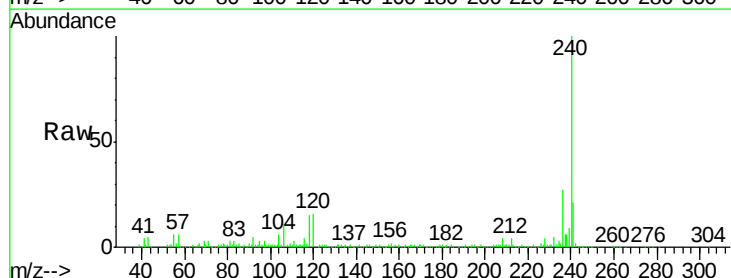
Tgt Ion:240 Resp: 216355

Ion Ratio Lower Upper

240 100

120 15.8 5.8 8.8#

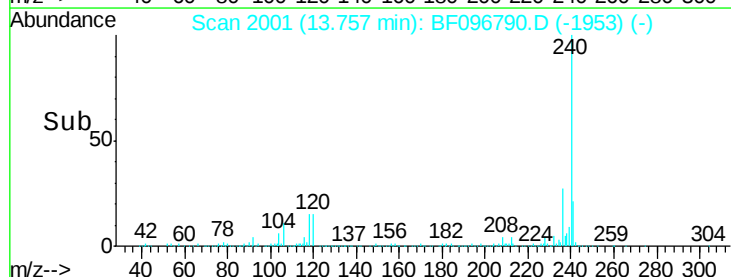
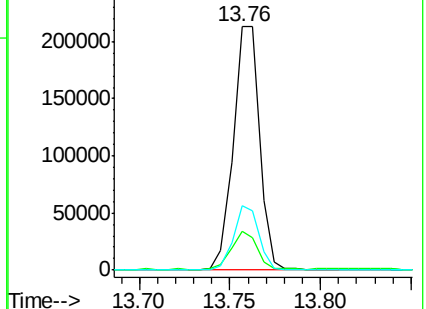
236 26.5 20.5 30.7

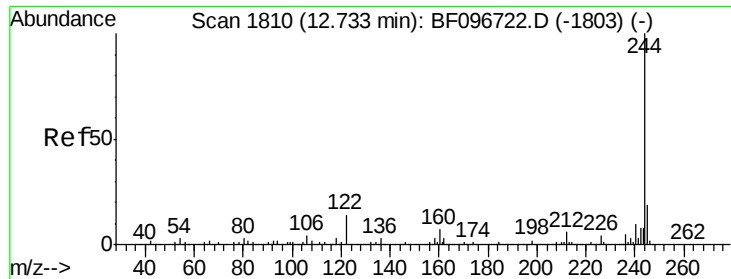


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

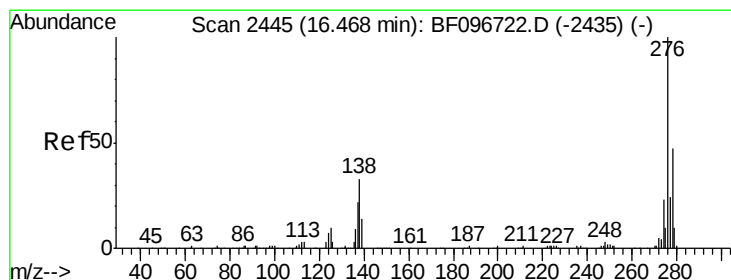
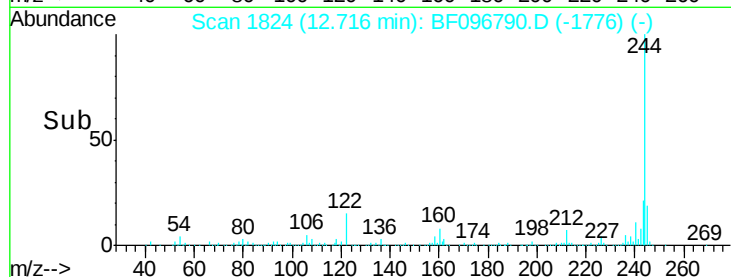
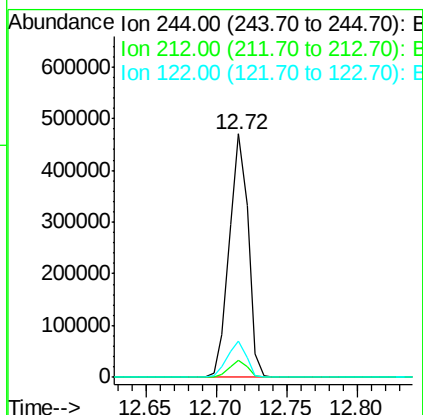
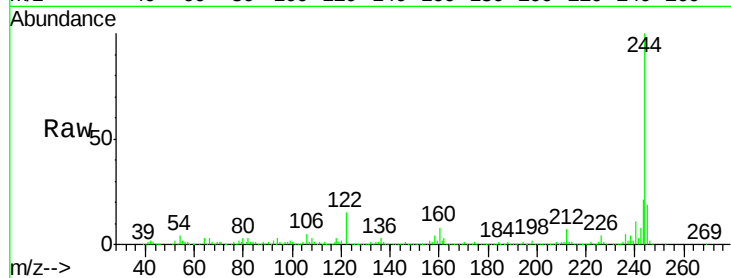




#78
 Terphenyl-d14
 Concen: 35.10 ng
 RT: 12.72 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF096790.D
 Acq: 14 Jul 2017 23:55

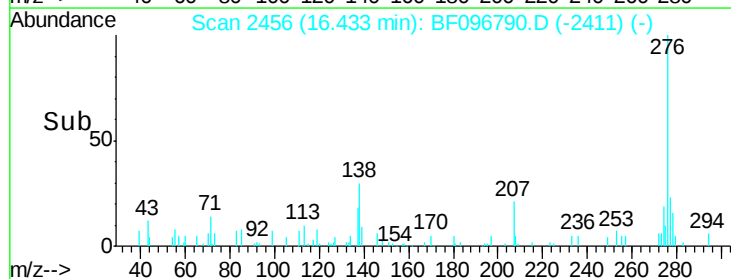
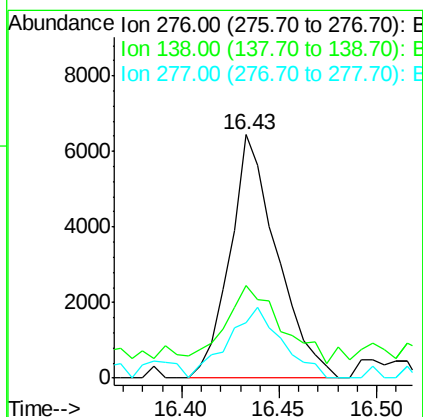
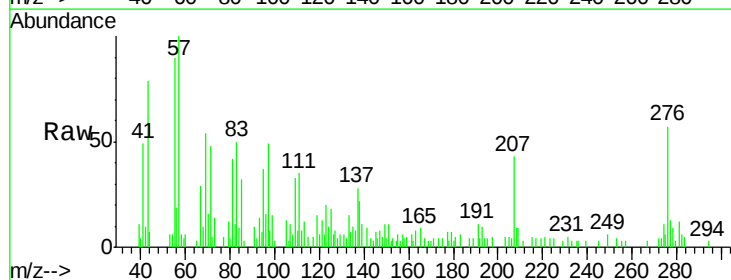
Instrument :
 BNA_F
 ClientSampleId :

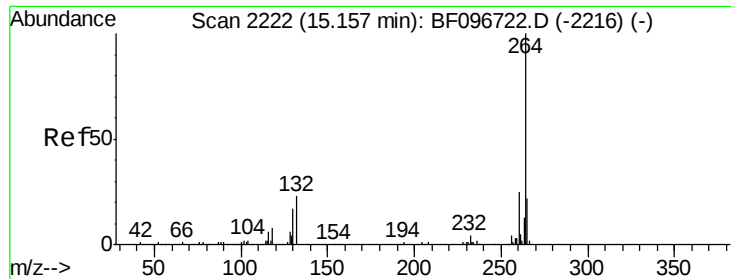
Tot Ion:244 Resp: 437883
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 14.7 10.3 15.5



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.17 ng
 RT: 16.43 min Scan# 2456
 Delta R.T. -0.04 min
 Lab File: BF096790.D
 Acq: 14 Jul 2017 23:55

Tgt Ion:276 Resp: 10740
 Ion Ratio Lower Upper
 276 100
 138 37.5 27.8 41.6
 277 33.5 20.2 30.4#

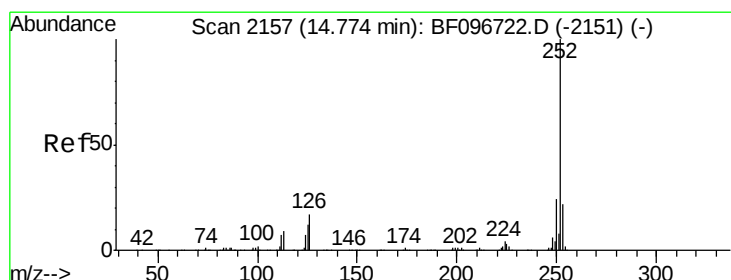
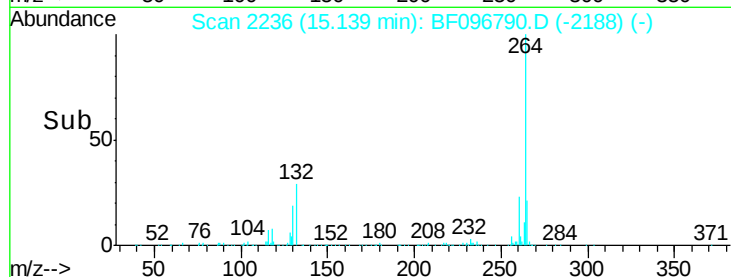
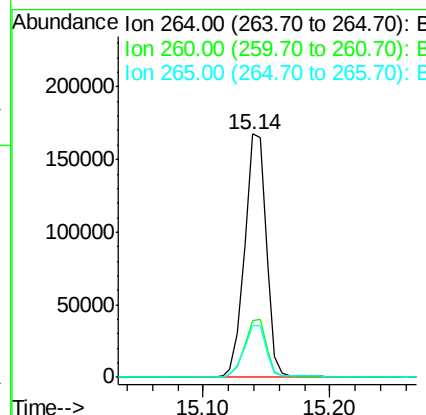
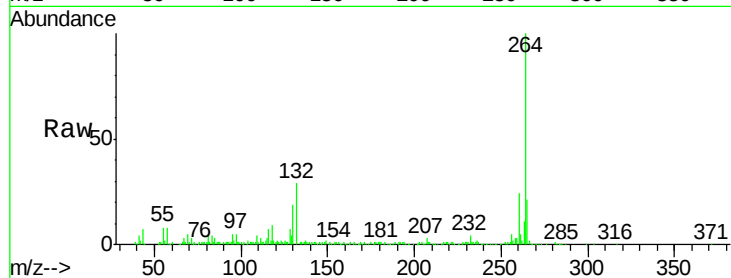




#86
Pervlone-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF096790.D
Acq: 14 Jul 2017 23:55

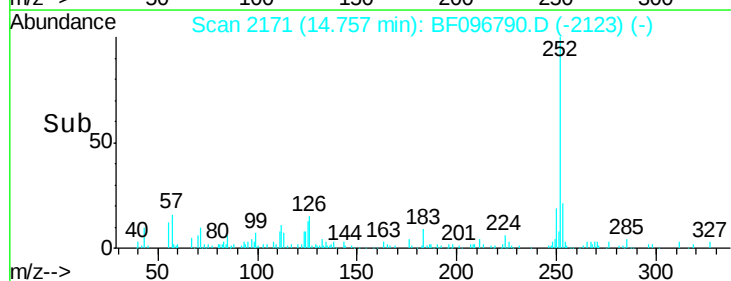
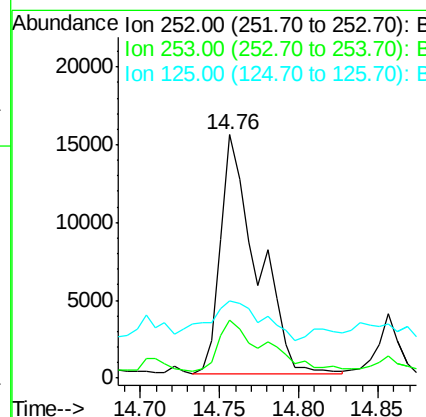
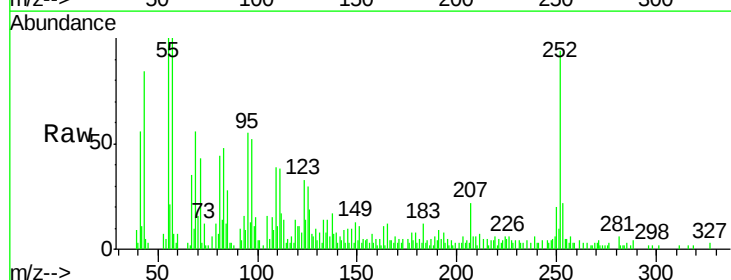
Instrument :
BNA_F
ClientSampleId :

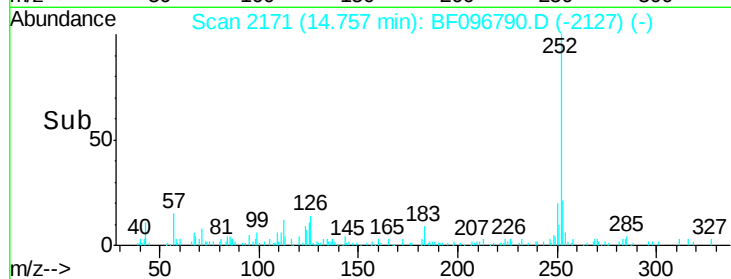
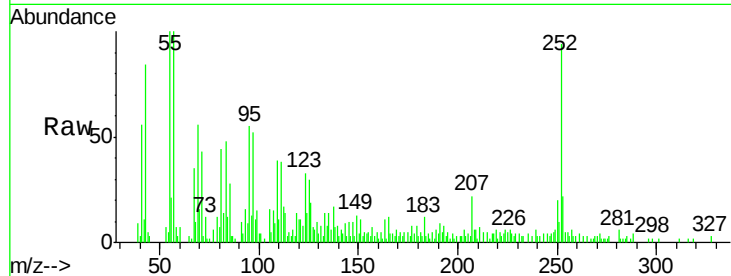
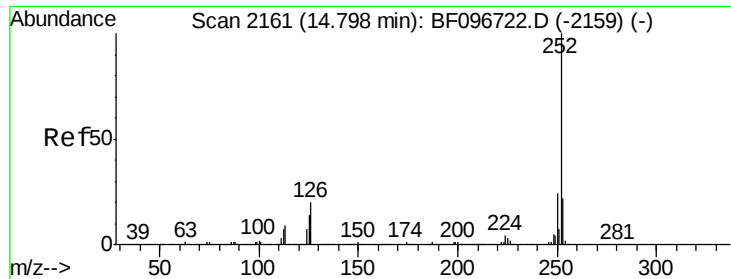
Tot Ion:264 Resp: 198338
Ion Ratio Lower Upper
264 100
260 23.5 19.5 29.3
265 21.1 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.03 ng
RT: 14.76 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF096790.D
Acq: 14 Jul 2017 23:55

Tgt Ion:252 Resp: 24304
Ion Ratio Lower Upper
252 100
253 23.9 18.1 27.1
125 31.8 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 2.20 ng

RT: 14.76 min Scan# 2171

Delta R.T. -0.04 min

Lab File: BF096790.D

Acq: 14 Jul 2017 23:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 24928

Ion Ratio Lower Upper

252 100

253 23.9 18.4 27.6

125 31.8 13.1 19.7#

