

Data File : BF096960.D
Acq On : 21 Jul 2017 22:47
Operator : SJ/JU
Sample : I4290-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1

Quant Time: Jul 22 03:26:12 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	6.56	152	101171	20.00	ng	-0.04
21) Naphthalene-d8	7.84	136	394982	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	131764	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	192510	20.00	ng	-0.05
75) Chrysene-d12	13.69	240	187107	20.00	ng	-0.05
86) Perylene-d12	15.05	264	196536	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	753157	111.93	ng	-0.03
7) Phenol-d6	6.22	99	880759	109.08	ng	-0.04
23) Nitrobenzene-d5	7.12	82	492335	77.21	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	109455	97.32	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	596051	71.47	ng	-0.05
78) Terphenyl-d14	12.64	244	342296	31.73	ng	-0.05

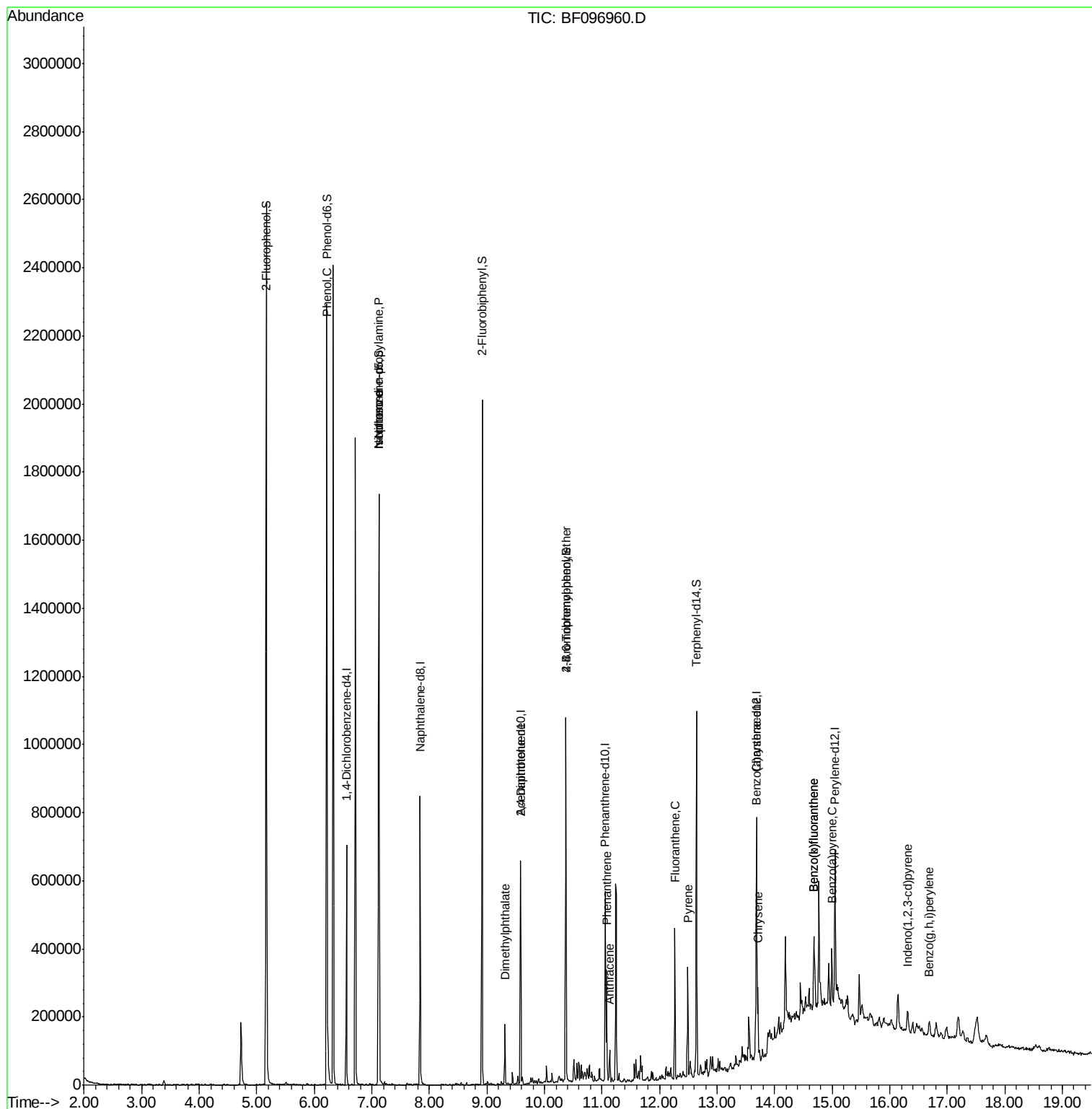
Target Compounds				Qvalue		
10) Phenol	6.23	94	35365	3.87	ng	95
19) n-Nitroso-di-n-propylamine	7.12	70	66368	13.64	ng	# 84
25) Isophorone	7.12	82	476012	40.13	ng	# 67
49) Dimethylphthalate	9.31	163	61094	6.16	ng	99
56) 2,4-Dinitrotoluene	9.58	165	17535	6.35	ng	# 31
66) 4-Bromophenyl-phenylether	10.37	248	6991	3.56	ng	# 1
70) Phenanthrene	11.08	178	111119	10.62	ng	96
71) Anthracene	11.13	178	29403	2.78	ng	96
74) Fluoranthene	12.26	202	159308	15.90	ng	98
77) Pyrene	12.49	202	135941	8.01	ng	97
80) Benzo(a)anthracene	13.67	228	76829	6.59	ng	98
82) Chrysene	13.71	228	71701	6.25	ng	96
85) Indeno(1,2,3-cd)pyrene	16.31	276	31983	6.22	ng	95
87) Benzo(b)fluoranthene	14.68	252	133484	11.26	ng	# 94
88) Benzo(k)fluoranthene	14.68	252	133484	11.89	ng	99
89) Benzo(a)pyrene	14.99	252	69454	6.39	ng	# 94
91) Benzo(g,h,i)perylene	16.69	276	28104	2.62	ng	95

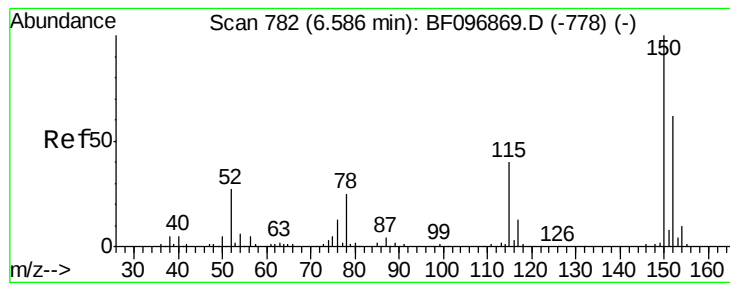
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 777

Delta R.T. -0.04 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

Instrument :

BNA_F

ClientSampled :

S-1

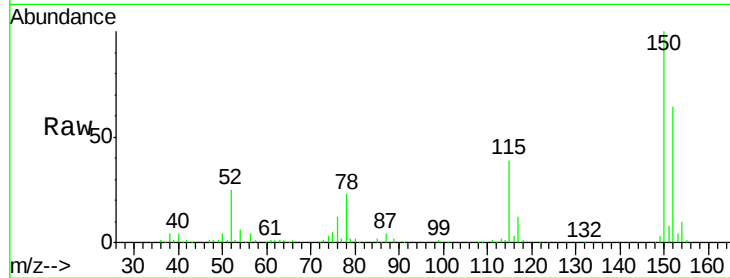
Tgt Ion:152 Resp: 101171

Ion Ratio Lower Upper

152 100

150 156.3 126.2 189.2

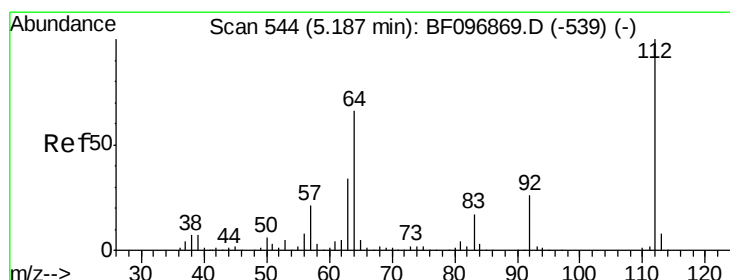
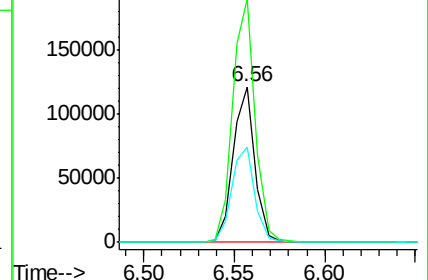
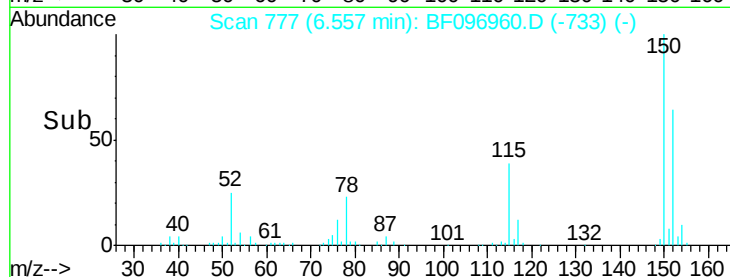
115 61.3 52.2 78.2



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: 111.93 ng

RT: 5.17 min Scan# 541

Delta R.T. -0.03 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

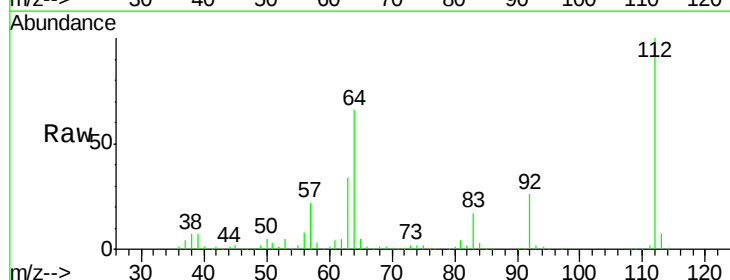
Tgt Ion:112 Resp: 753157

Ion Ratio Lower Upper

112 100

64 65.5 46.0 69.0

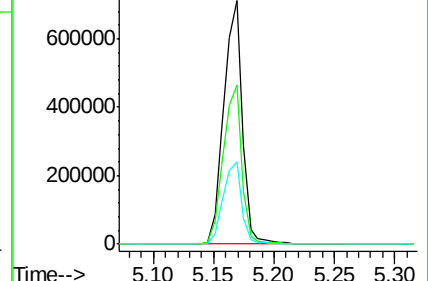
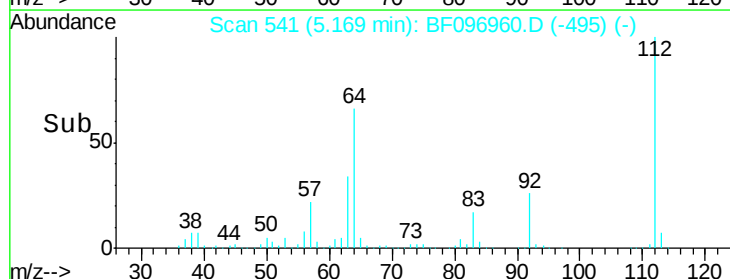
63 33.9 23.4 35.0

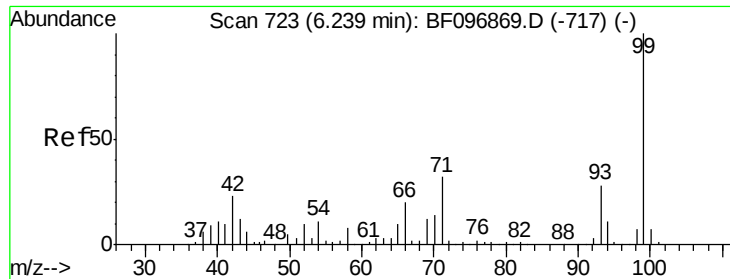


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 109.08 ng

RT: 6.22 min Scan# 719

Delta R.T. -0.04 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

Instrument :

BNA_F

ClientSampleId :

S-1

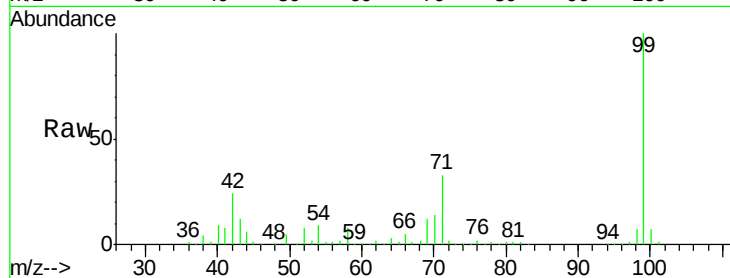
Tgt Ion: 99 Resp: 880759

Ion Ratio Lower Upper

99 100

42 23.7 13.5 20.3#

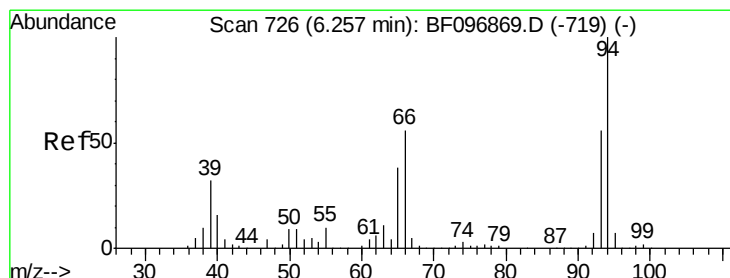
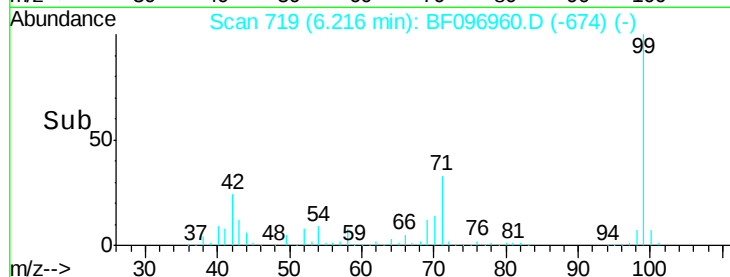
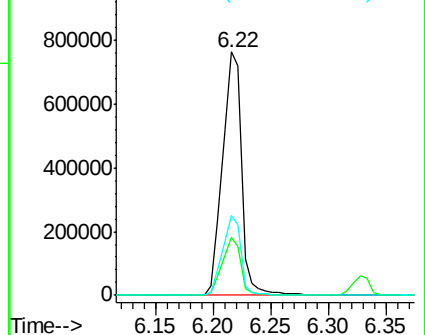
71 33.0 24.5 36.7



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



#10

Phenol

Concen: 3.87 ng

RT: 6.23 min Scan# 721

Delta R.T. -0.04 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

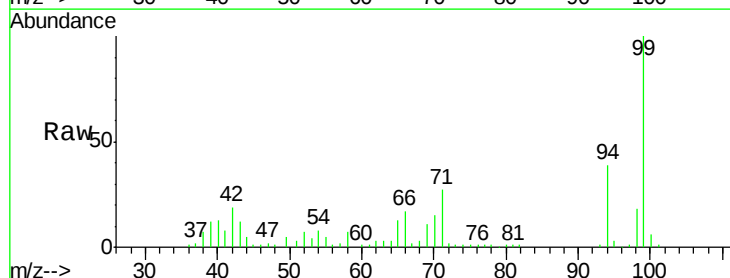
Tgt Ion: 94 Resp: 35365

Ion Ratio Lower Upper

94 100

65 33.8 9.9 49.9

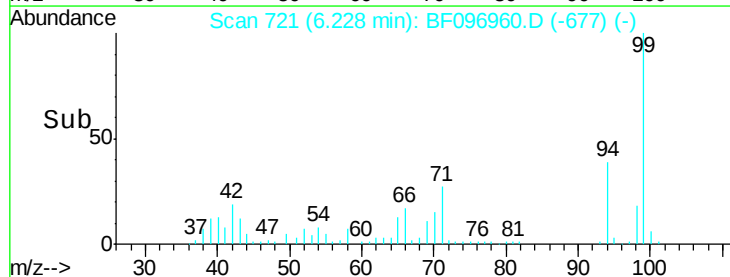
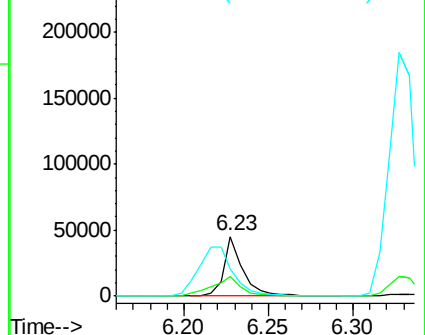
66 45.0 23.1 63.1

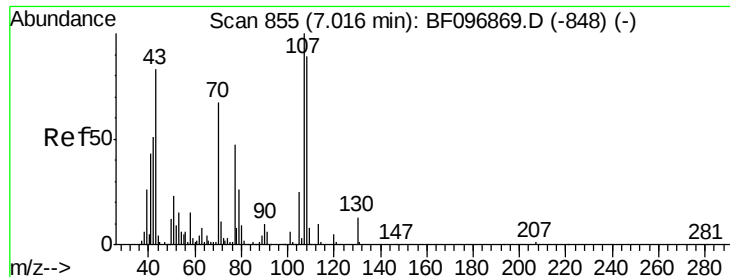


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

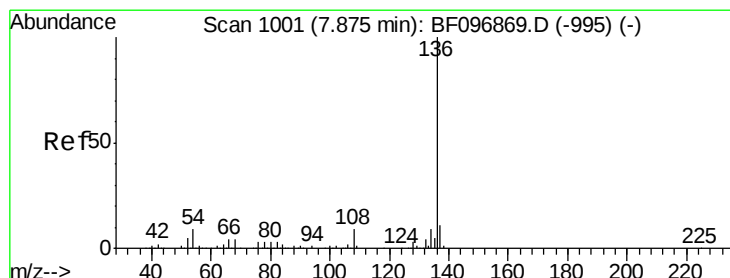
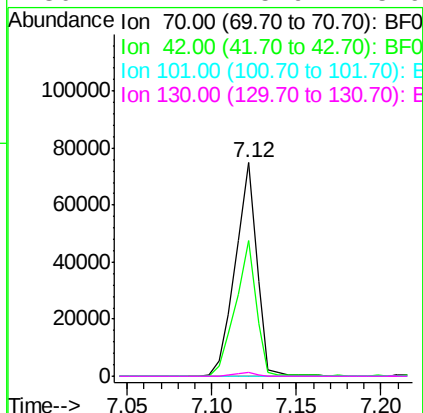
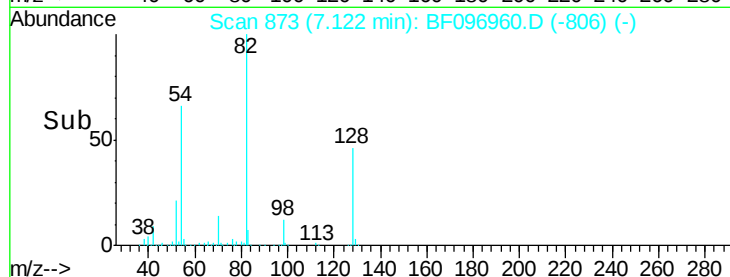
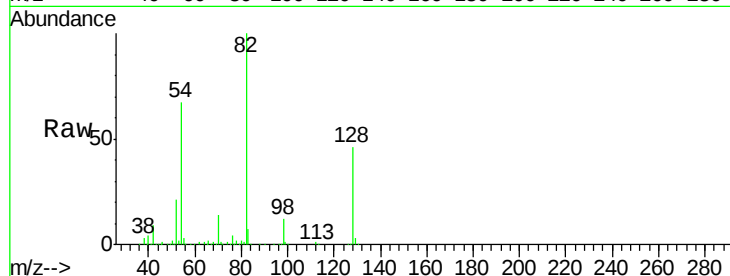




#19
n-Nitroso-di-n-propylamine
Concen: 13.64 ng
RT: 7.12 min Scan# 873
Delta R.T. 0.09 min
Lab File: BF096960.D
Acq: 21 Jul 2017 22:47

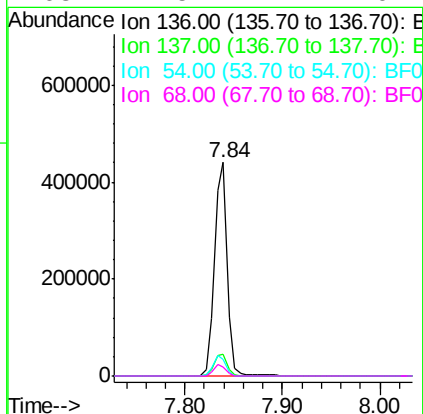
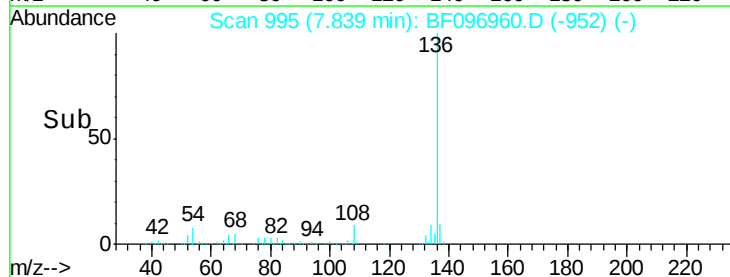
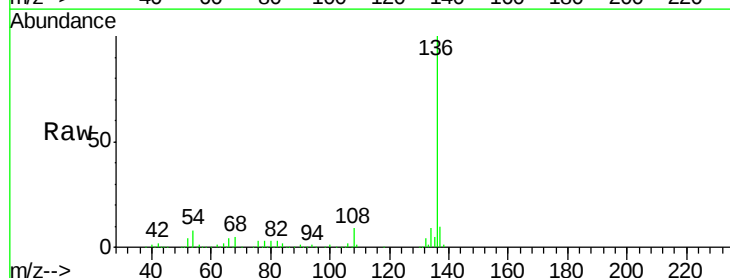
Instrument :
BNA_F
ClientSampled :
S-1

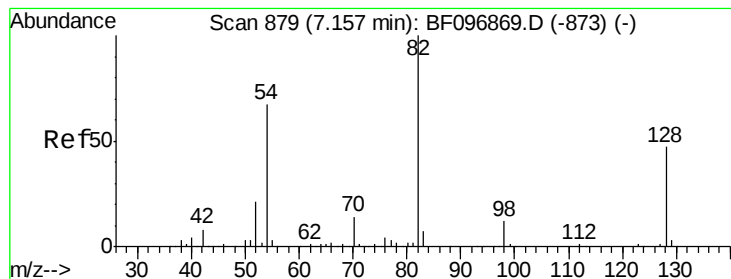
Tgt Ion: 70 Resp: 66368
Ion Ratio Lower Upper
70 100
42 63.7 47.2 70.8
101 0.0 7.2 10.8#
130 2.1 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 995
Delta R.T. -0.05 min
Lab File: BF096960.D
Acq: 21 Jul 2017 22:47

Tgt Ion: 136 Resp: 394982
Ion Ratio Lower Upper
136 100
137 10.4 8.5 12.7
54 8.1 4.9 7.3#
68 4.5 4.1 6.1





#23

Nitrobenzene-d5

Concen: 77.21 ng

RT: 7.12 min Scan# 873

Delta R.T. -0.05 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

Instrument :

BNA_F

ClientSampleId :

S-1

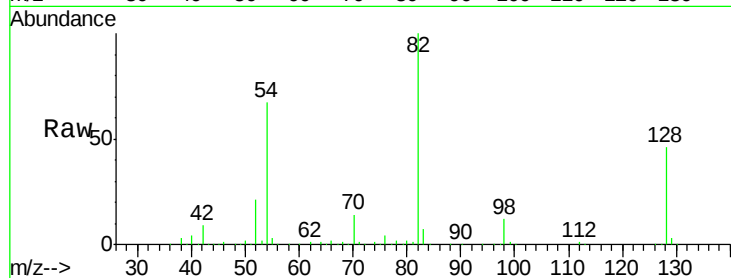
Tgt Ion: 82 Resp: 492335

Ion Ratio Lower Upper

82 100

128 45.9 34.0 51.0

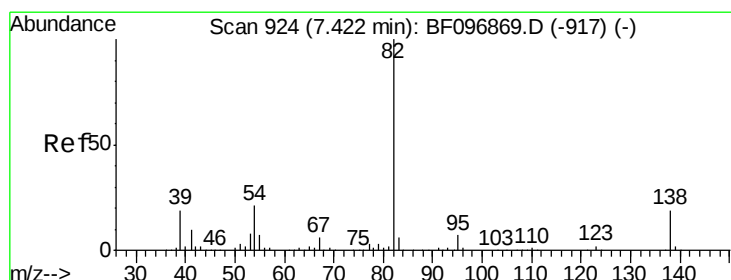
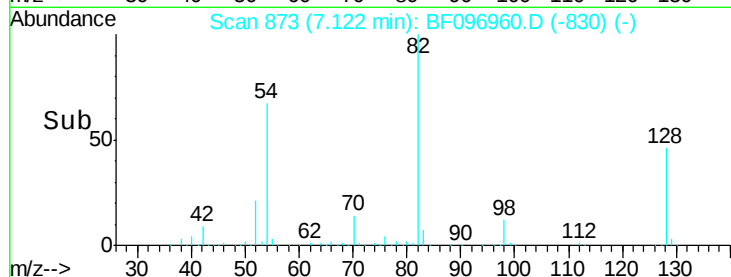
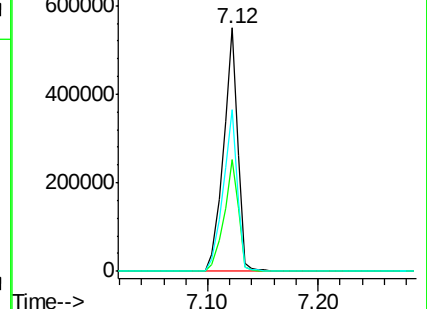
54 66.5 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 40.13 ng

RT: 7.12 min Scan# 873

Delta R.T. -0.31 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

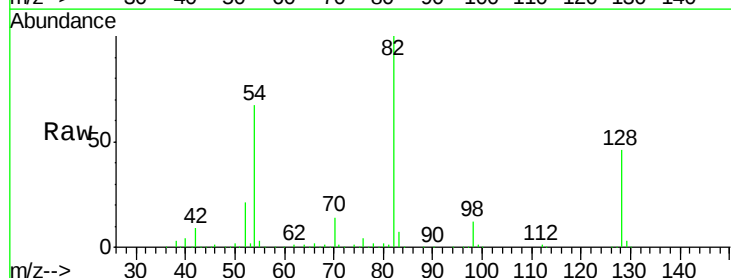
Tgt Ion: 82 Resp: 476012

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

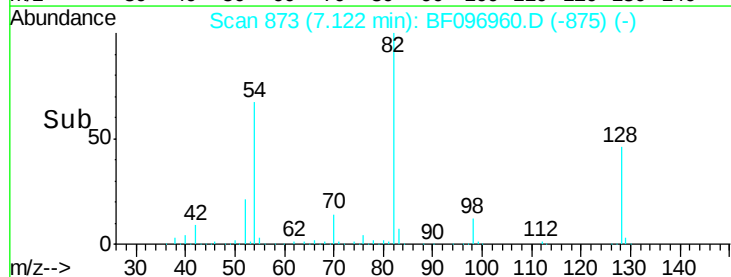
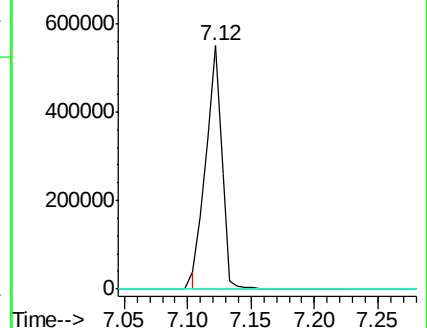
138 0.0 13.1 19.7#

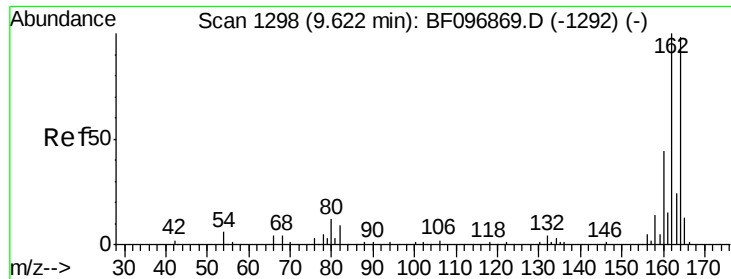


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 1292

Delta R.T. -0.05 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

Instrument :

BNA_F

ClientSampleId :

S-1

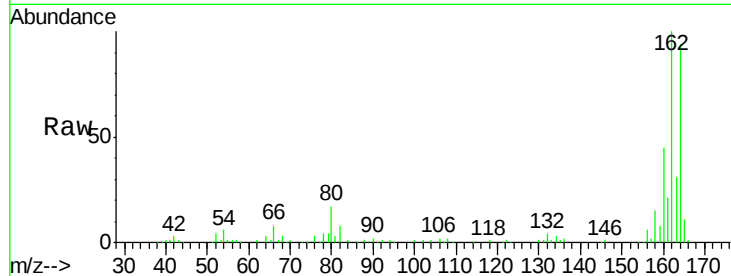
Tgt Ion:164 Resp: 131764

Ion Ratio Lower Upper

164 100

162 106.7 82.6 123.8

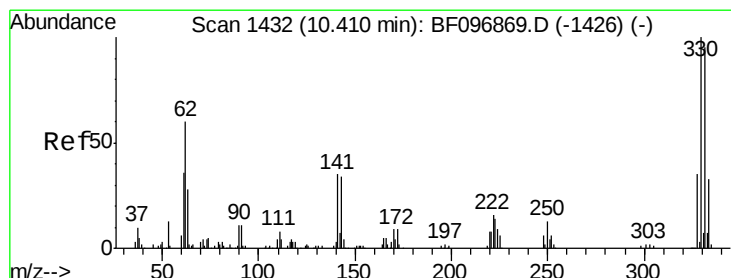
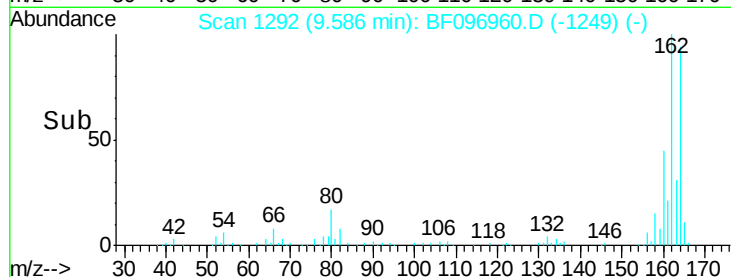
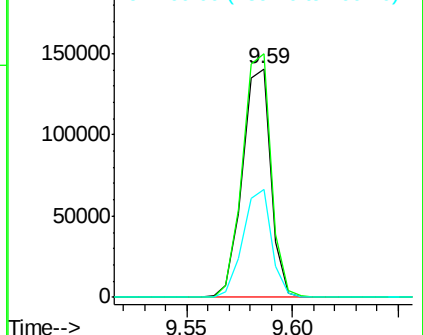
160 47.5 36.2 54.2



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: 97.32 ng

RT: 10.37 min Scan# 1425

Delta R.T. -0.05 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

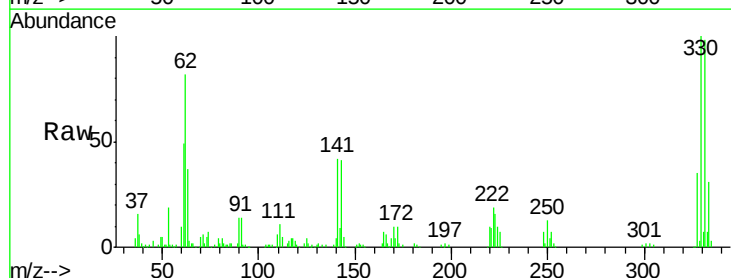
Tgt Ion:330 Resp: 109455

Ion Ratio Lower Upper

330 100

332 98.1 76.6 115.0

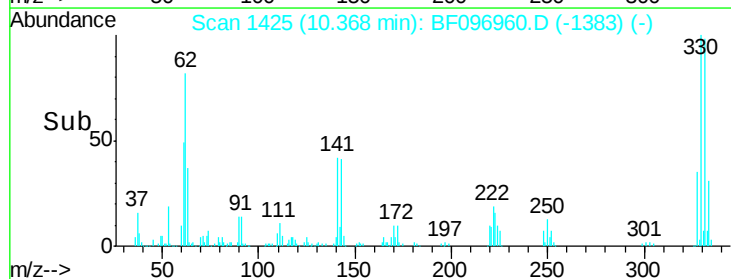
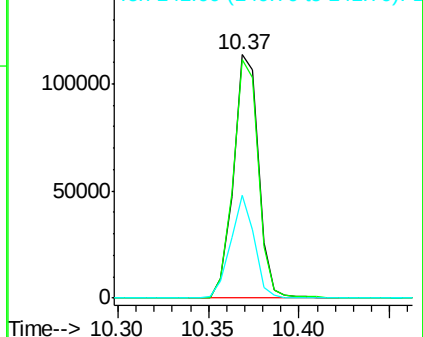
141 39.8 31.4 47.2

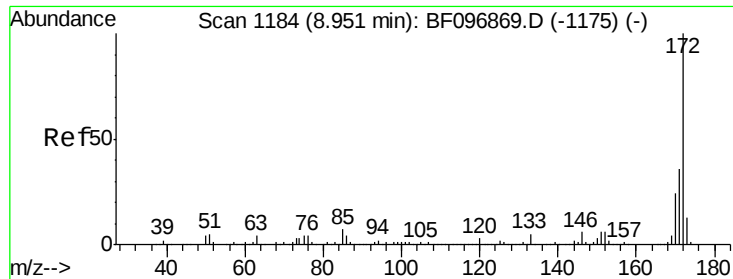


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

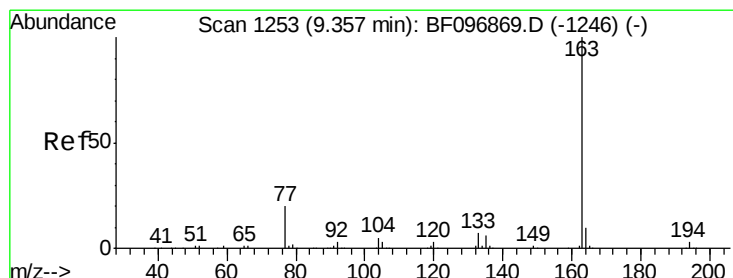
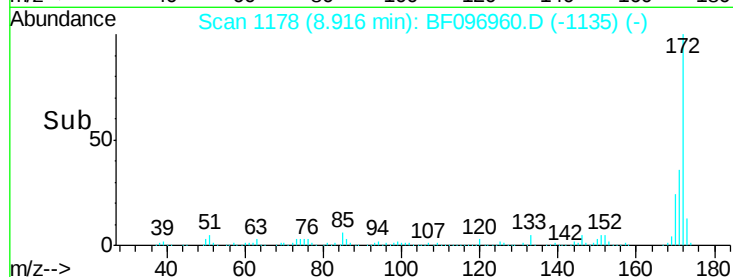
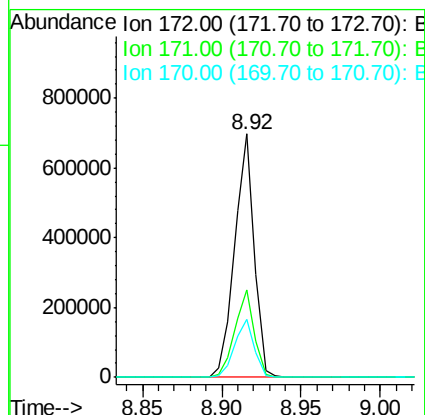
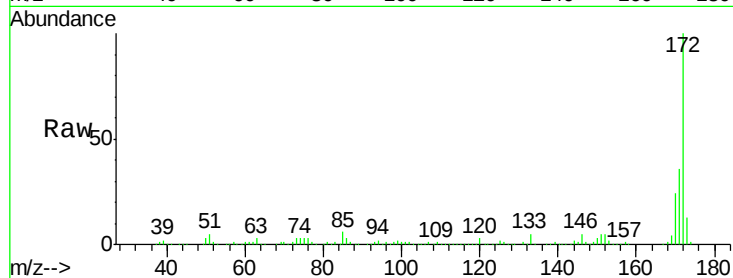




#44
 2-Fluorobiphenyl
 Concen: 71.47 ng
 RT: 8.92 min Scan# 1178
 Delta R.T. -0.05 min
 Lab File: BF096960.D
 Acq: 21 Jul 2017 22:47

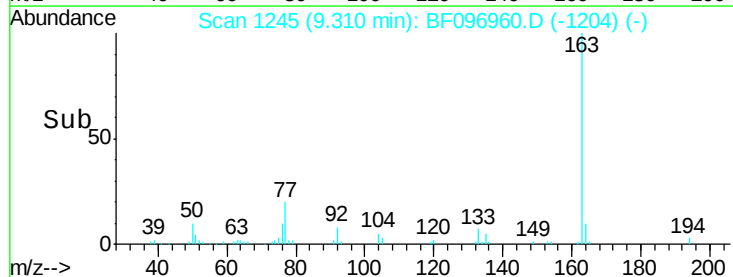
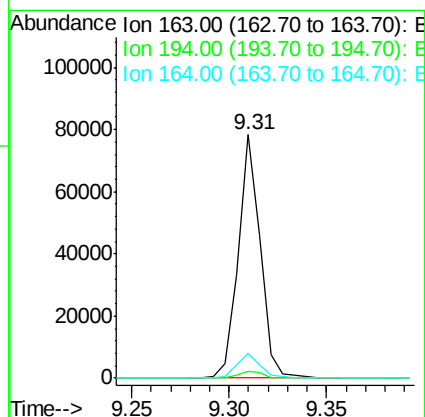
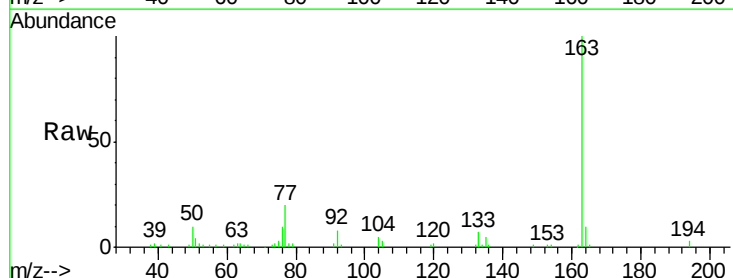
Instrument :
 BNA_F
 ClientSampleId :
 S-1

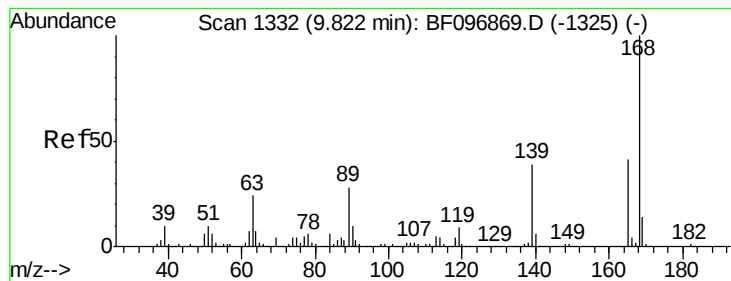
Tgt Ion:172 Resp: 596051
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 23.8 19.8 29.8



#49
 Dimethylphthalate
 Concen: 6.16 ng
 RT: 9.31 min Scan# 1245
 Delta R.T. -0.06 min
 Lab File: BF096960.D
 Acq: 21 Jul 2017 22:47

Tgt Ion:163 Resp: 61094
 Ion Ratio Lower Upper
 163 100
 194 2.8 2.6 4.0
 164 10.3 8.4 12.6





#56

2,4-Dinitrotoluene

Concen: 6.35 ng

RT: 9.58 min Scan# 1291

Delta R.T. -0.25 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

Instrument :

BNA_F

ClientSampled :

S-1

Tgt Ion:165 Resp: 17535

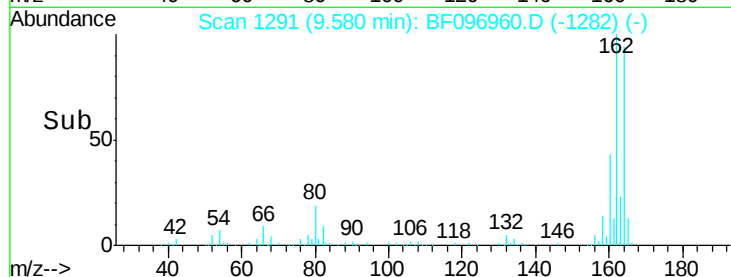
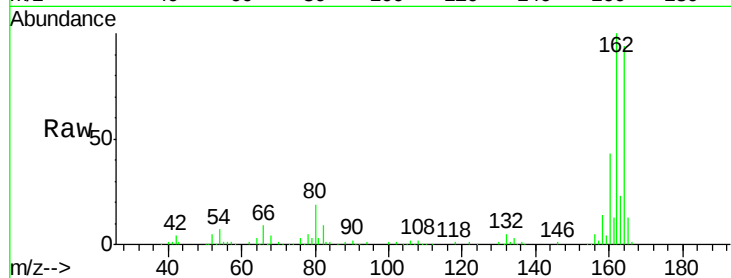
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 0.0 46.4 69.6#

182 0.0 1.8 2.6#

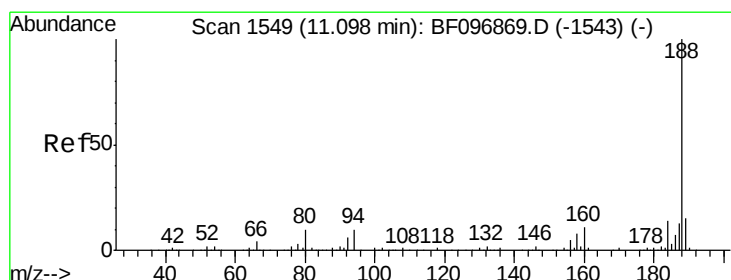
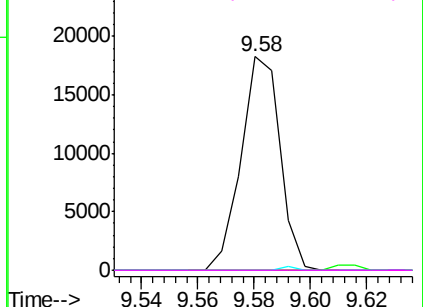


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.06 min Scan# 1542

Delta R.T. -0.05 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

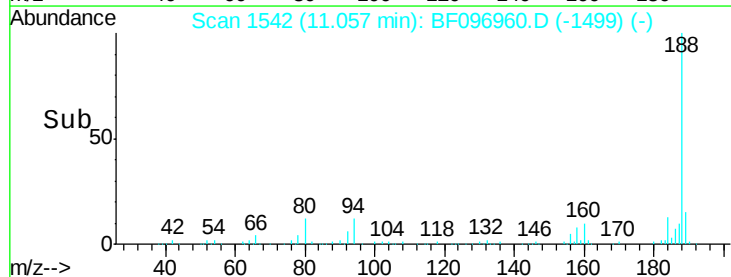
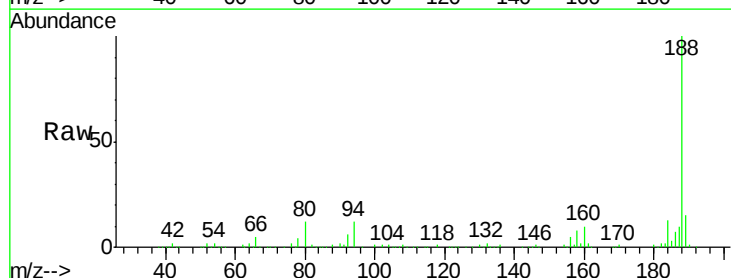
Tgt Ion:188 Resp: 192510

Ion Ratio Lower Upper

188 100

94 12.1 9.4 14.2

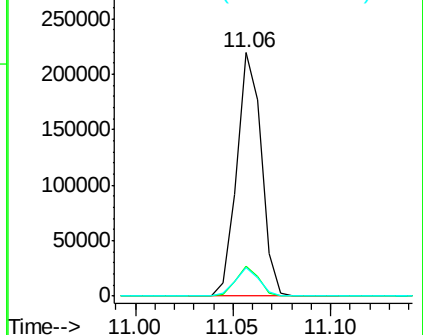
80 11.6 10.2 15.2

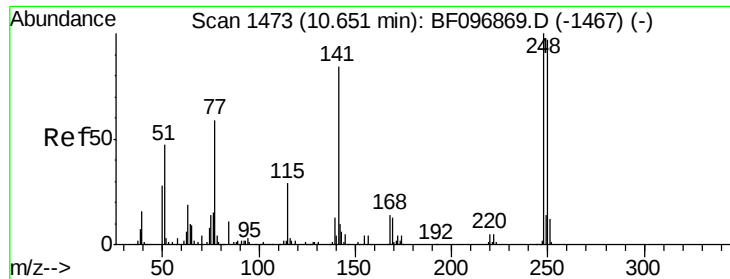


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

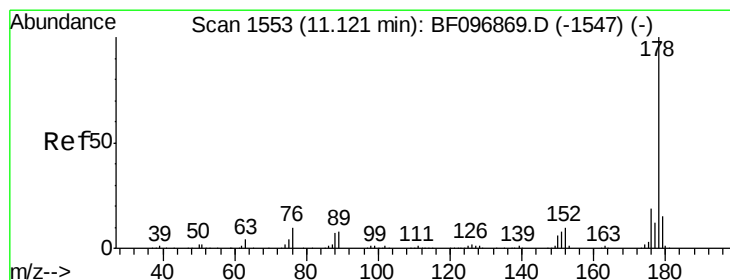
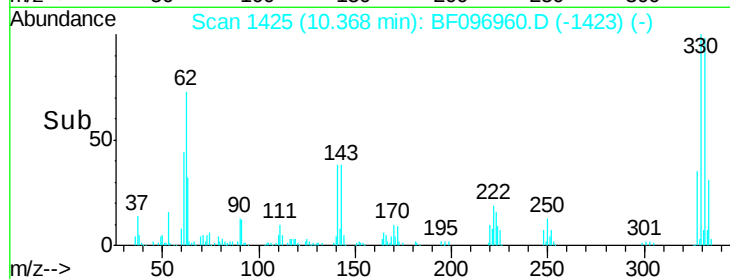
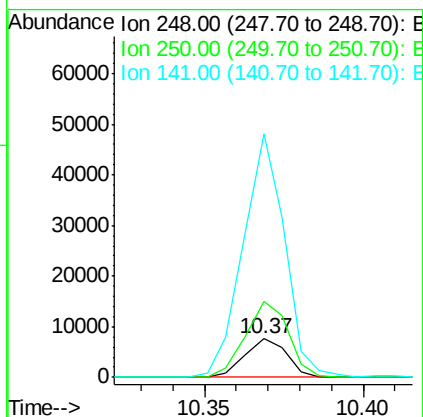
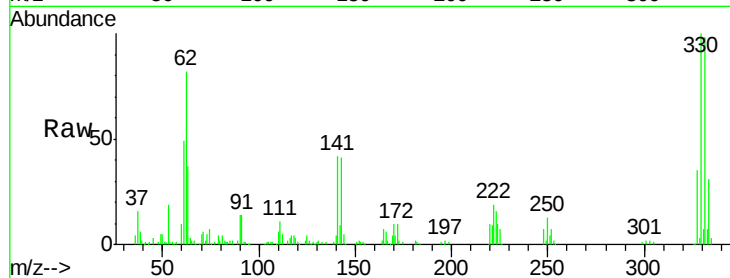




#66
4-Bromophenyl-phenylether
Concen: 3.56 ng
RT: 10.37 min Scan# 1425
Delta R.T. -0.29 min
Lab File: BF096960.D
Acq: 21 Jul 2017 22:47

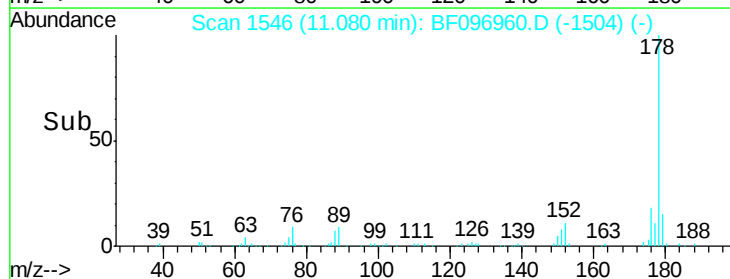
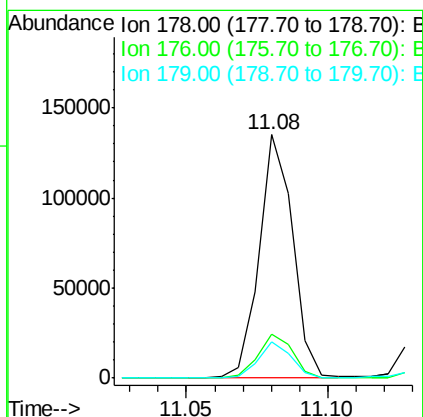
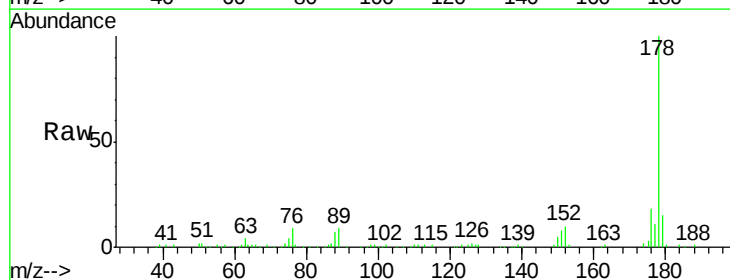
Instrument :
BNA_F
ClientSampleId :
S-1

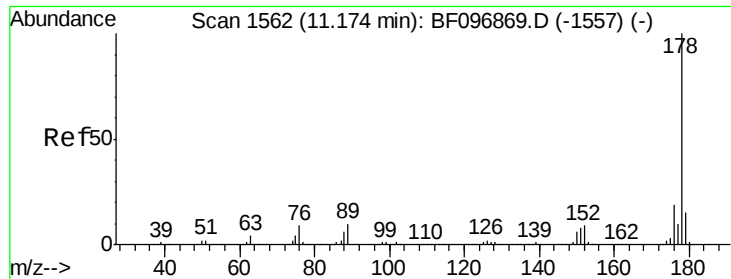
Tgt Ion:248 Resp: 6991
Ion Ratio Lower Upper
248 100
250 195.6 76.8 115.2#
141 631.5 68.6 103.0#



#70
Phenanthrene
Concen: 10.62 ng
RT: 11.08 min Scan# 1546
Delta R.T. -0.05 min
Lab File: BF096960.D
Acq: 21 Jul 2017 22:47

Tgt Ion:178 Resp: 111119
Ion Ratio Lower Upper
178 100
176 18.1 16.2 24.4
179 14.9 12.6 19.0

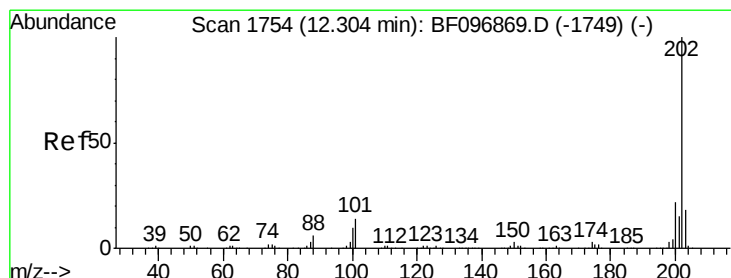
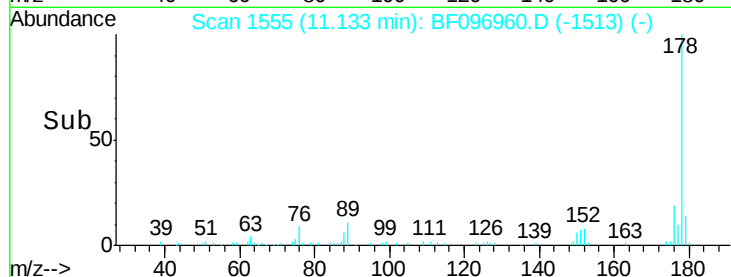
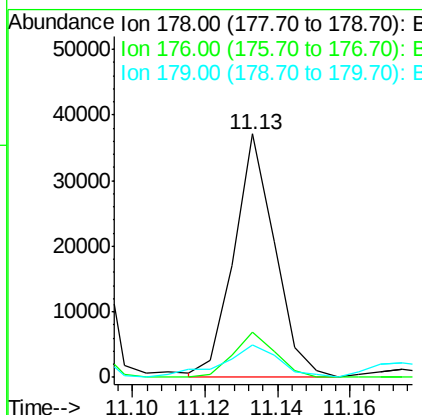
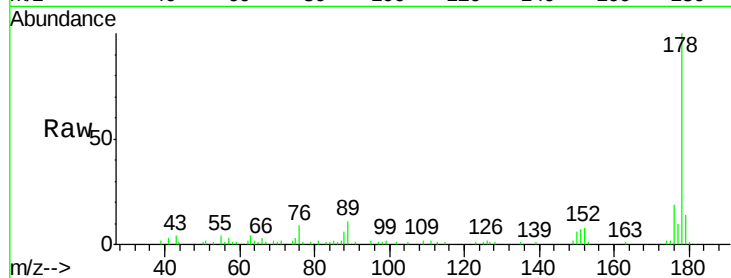




#71
 Anthracene
 Concen: 2.78 ng
 RT: 11.13 min Scan# 1555
 Delta R.T. -0.05 min
 Lab File: BF096960.D
 Acq: 21 Jul 2017 22:47

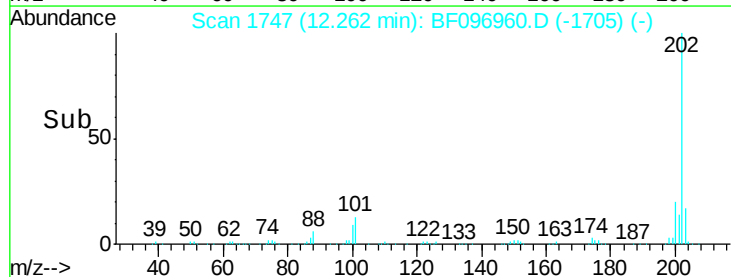
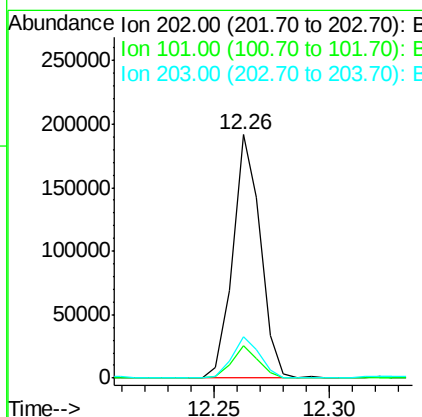
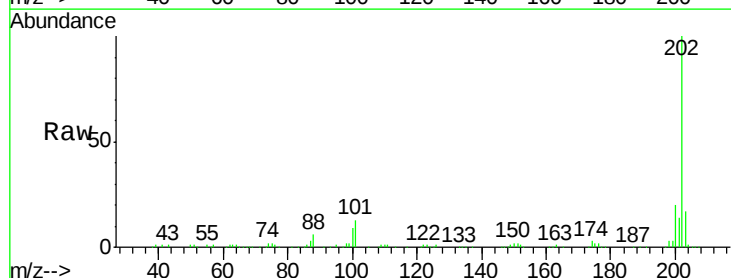
Instrument :
 BNA_F
 ClientSampleId :
 S-1

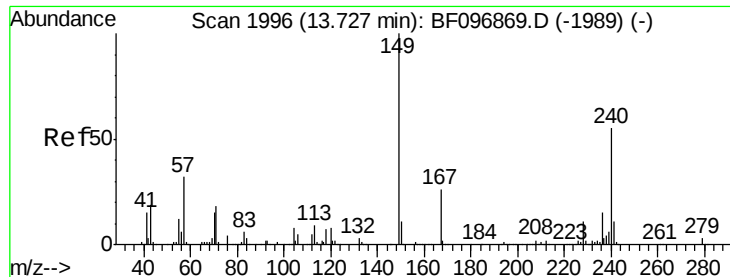
Tgt Ion:178 Resp: 29403
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.8 23.8
 179 13.6 12.7 19.1



#74
 Fluoranthene
 Concen: 15.90 ng
 RT: 12.26 min Scan# 1747
 Delta R.T. -0.05 min
 Lab File: BF096960.D
 Acq: 21 Jul 2017 22:47

Tgt Ion:202 Resp: 159308
 Ion Ratio Lower Upper
 202 100
 101 13.3 0.0 33.2
 203 16.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.69 min Scan# 1989

Delta R.T. -0.05 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

Instrument :

BNA_F

ClientSampleId :

S-1

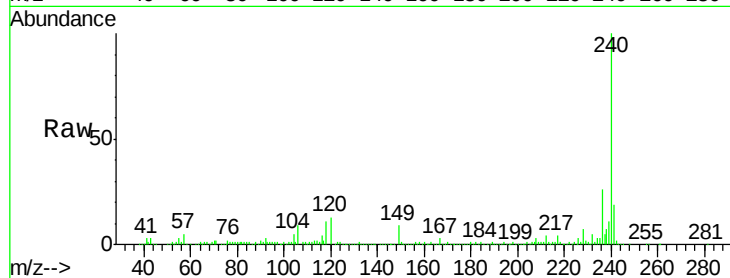
Tgt Ion:240 Resp: 187107

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

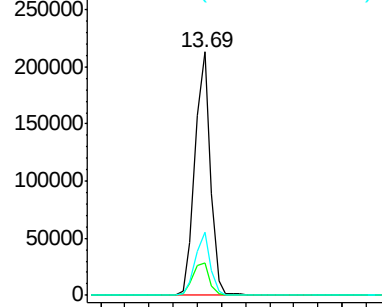
236 26.0 20.5 30.7



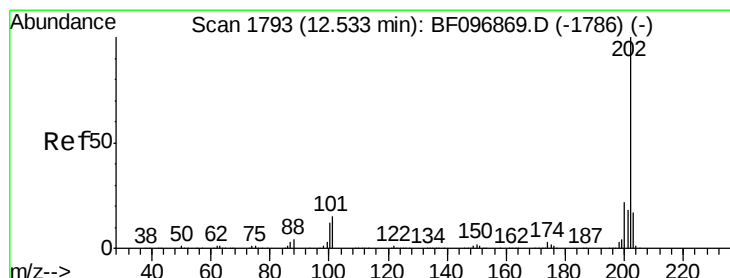
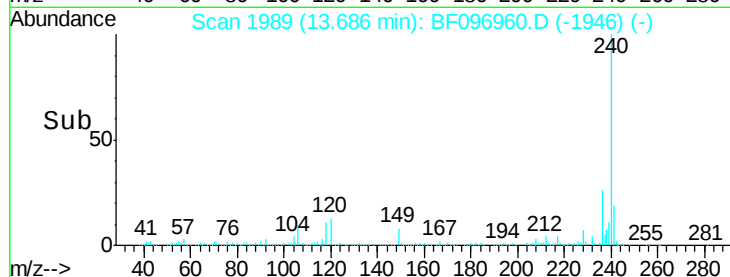
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.60 13.70 13.80



#77

Pyrene

Concen: 8.01 ng

RT: 12.49 min Scan# 1786

Delta R.T. -0.05 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

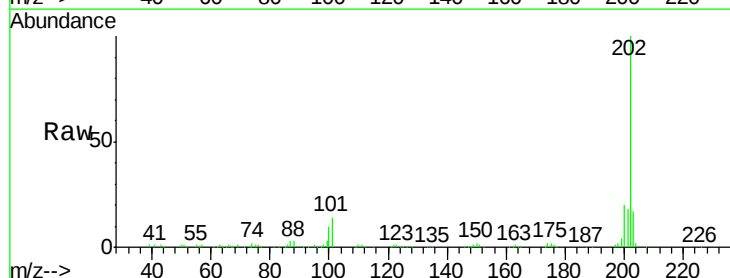
Tgt Ion:202 Resp: 135941

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

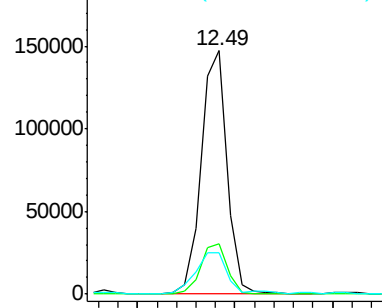
203 16.9 14.4 21.6



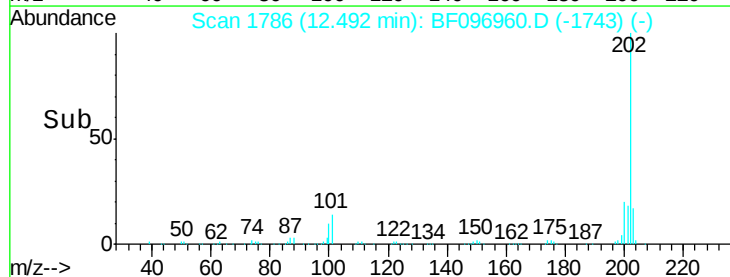
Abundance Ion 202.00 (201.70 to 202.70): E

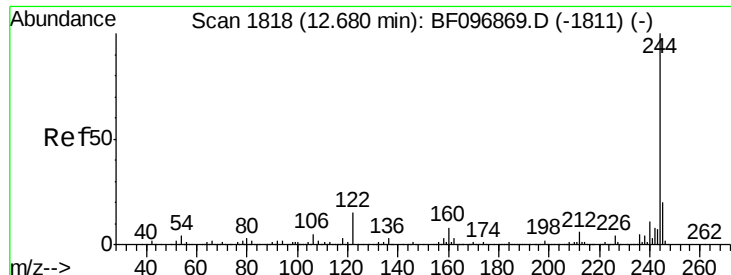
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 12.45 12.50 12.55





#78

Terphenyl-d14

Concen: 31.73 ng

RT: 12.64 min Scan# 1812

Delta R.T. -0.05 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

Instrument :

BNA_F

ClientSampleId :

S-1

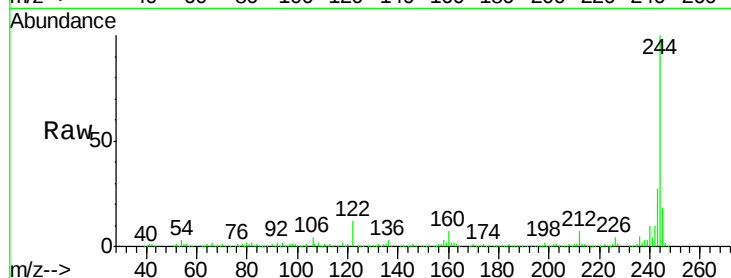
Tgt Ion:244 Resp: 342296

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

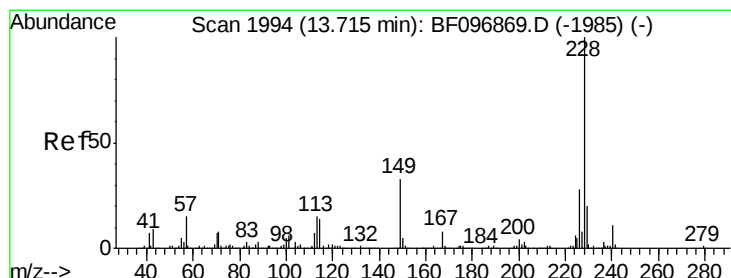
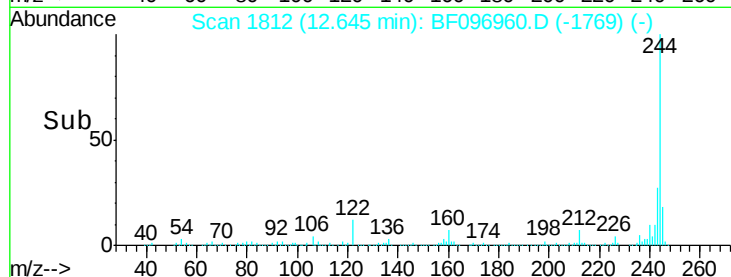
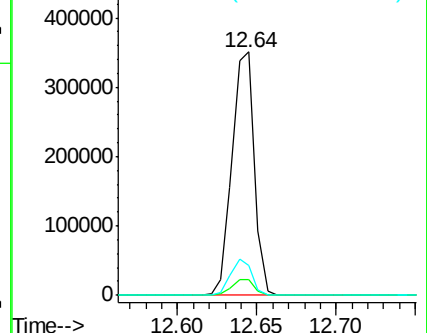
122 12.4 10.3 15.5



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



#80

Benzo(a)anthracene

Concen: 6.59 ng

RT: 13.67 min Scan# 1987

Delta R.T. -0.05 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

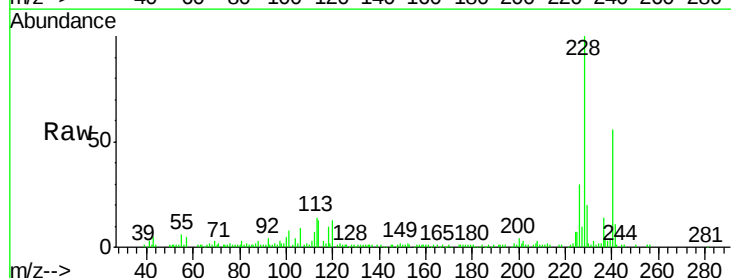
Tgt Ion:228 Resp: 76829

Ion Ratio Lower Upper

228 100

226 30.0 22.6 33.8

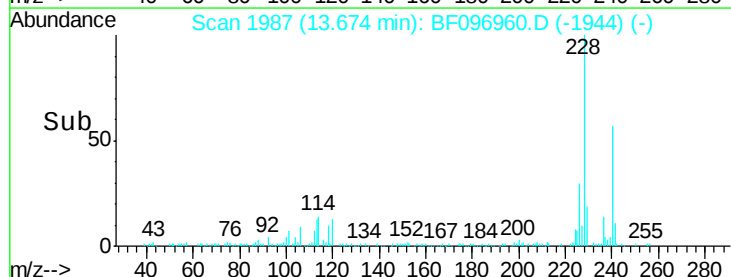
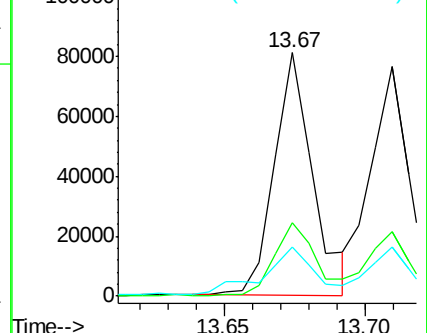
229 20.4 16.3 24.5

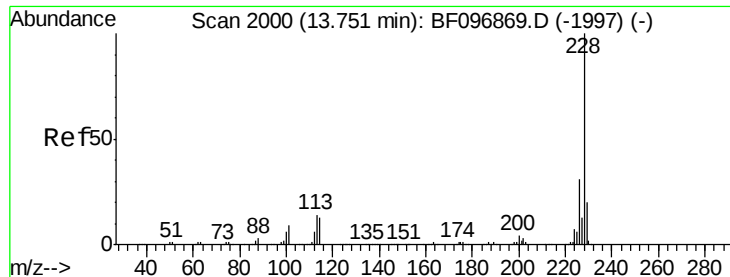


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.25 ng

RT: 13.71 min Scan# 1993

Delta R.T. -0.05 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

Instrument :

BNA_F

ClientSampleId :

S-1

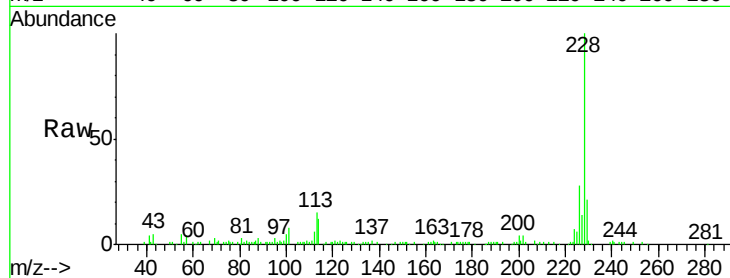
Tgt Ion:228 Resp: 71701

Ion Ratio Lower Upper

228 100

226 28.3 24.9 37.3

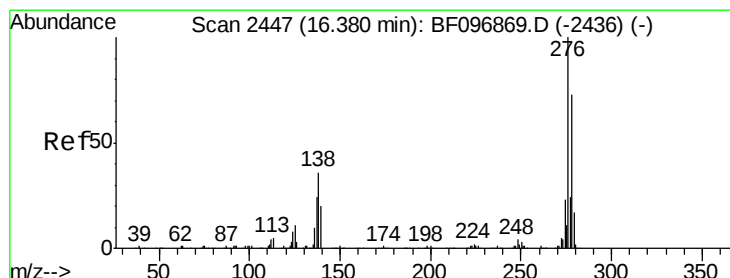
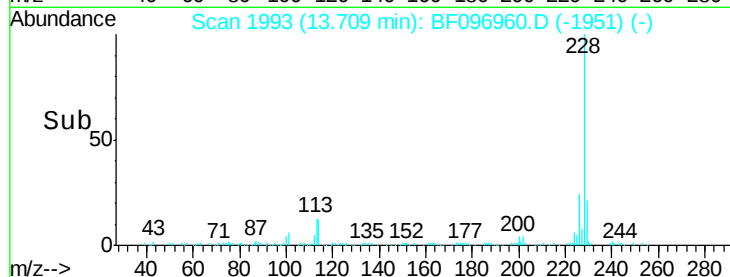
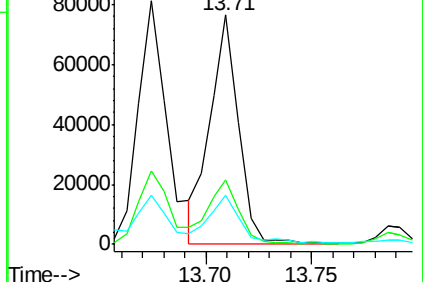
229 21.3 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.22 ng

RT: 16.31 min Scan# 2435

Delta R.T. -0.08 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

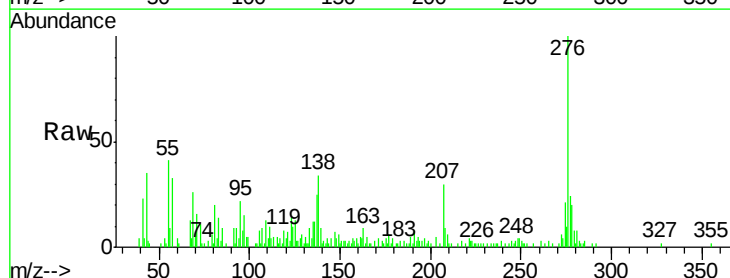
Tgt Ion:276 Resp: 31983

Ion Ratio Lower Upper

276 100

138 30.1 27.8 41.6

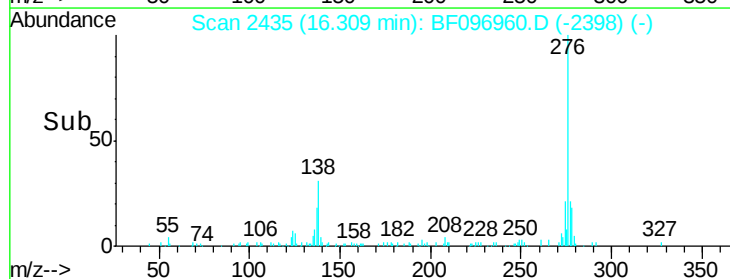
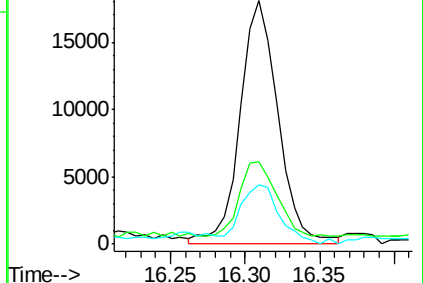
277 25.2 20.2 30.4

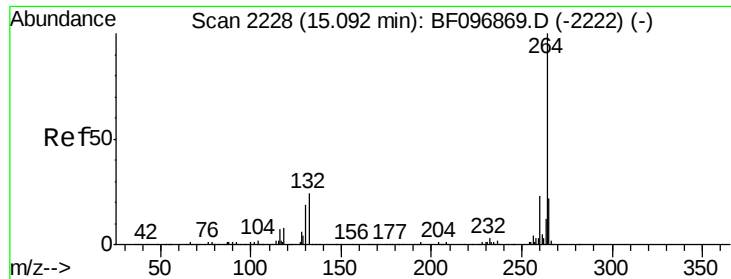


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

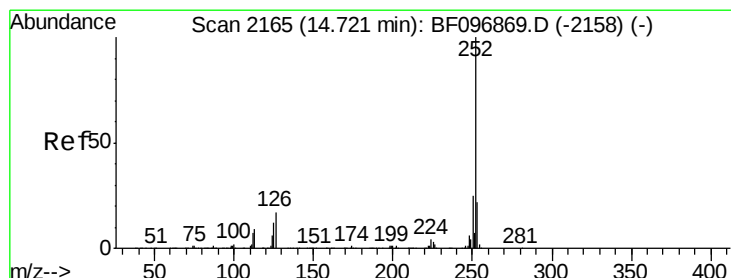
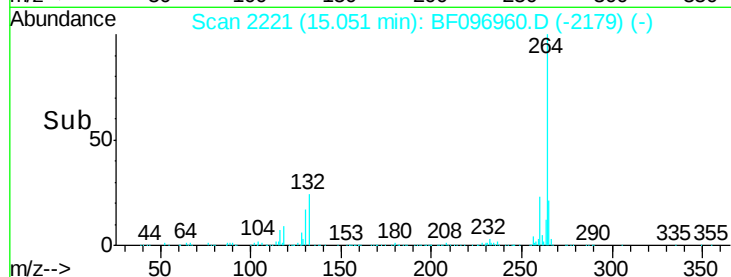
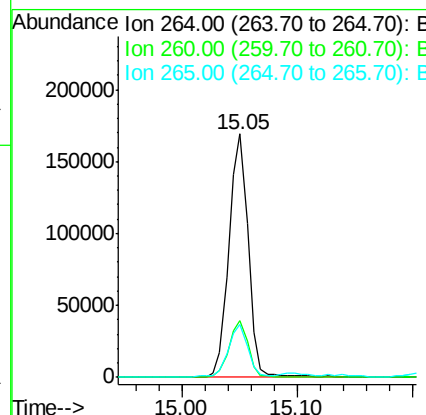
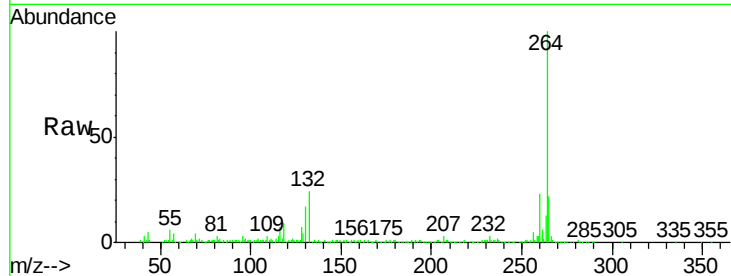




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 2221
Delta R.T. -0.05 min
Lab File: BF096960.D
Acq: 21 Jul 2017 22:47

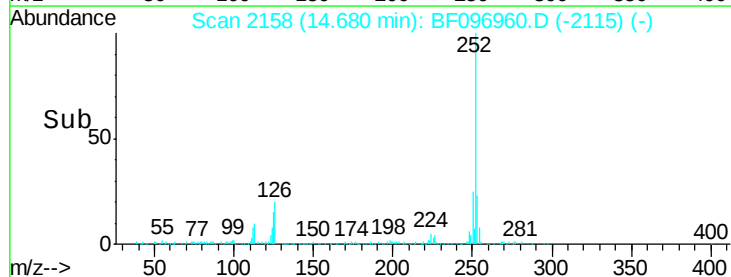
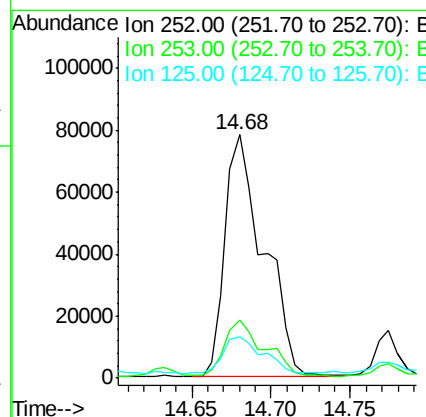
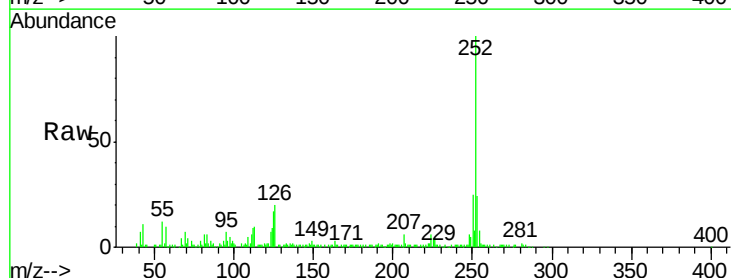
Instrument :
BNA_F
ClientSampleId :
S-1

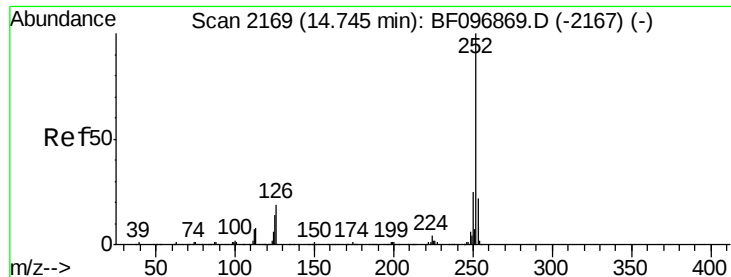
Tgt Ion:264 Resp: 196536
Ion Ratio Lower Upper
264 100
260 23.4 19.5 29.3
265 21.8 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 11.26 ng
RT: 14.68 min Scan# 2158
Delta R.T. -0.05 min
Lab File: BF096960.D
Acq: 21 Jul 2017 22:47

Tgt Ion:252 Resp: 133484
Ion Ratio Lower Upper
252 100
253 23.6 18.1 27.1
125 17.1 9.8 14.8#

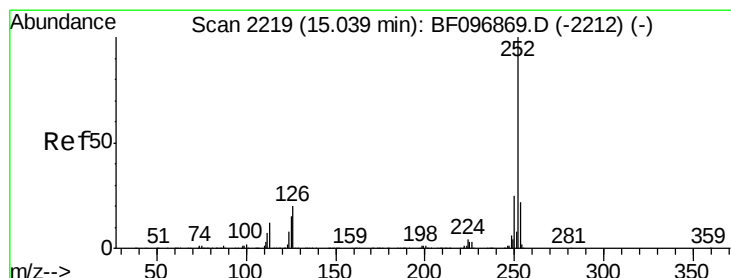
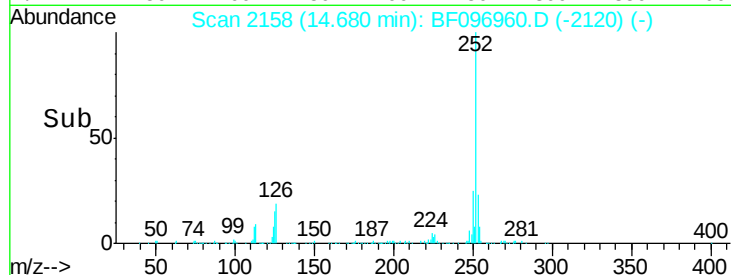
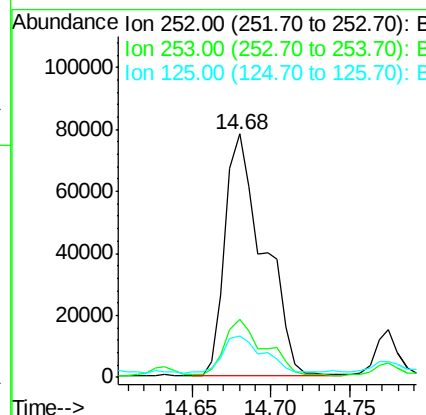
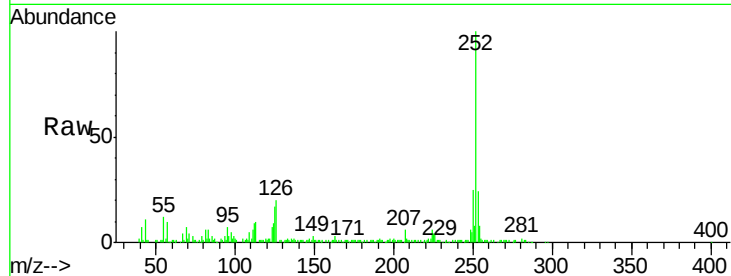




#88
Benzo(k)fluoranthene
Concen: 11.89 ng
RT: 14.68 min Scan# 2158
Delta R.T. -0.08 min
Lab File: BF096960.D
Acq: 21 Jul 2017 22:47

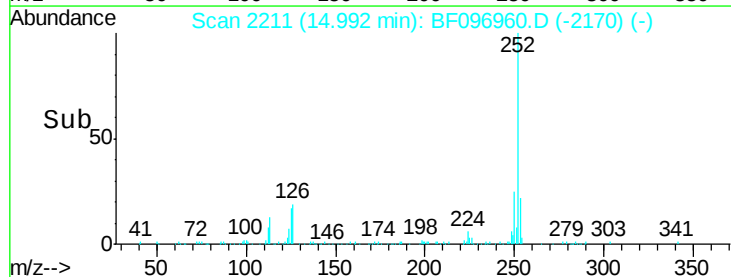
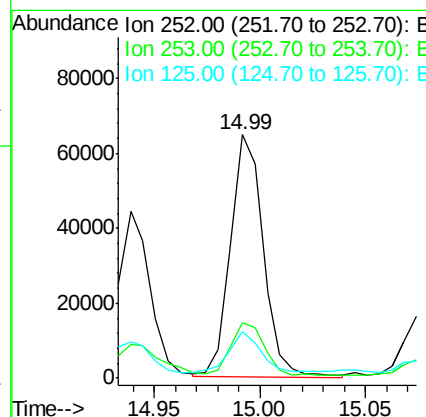
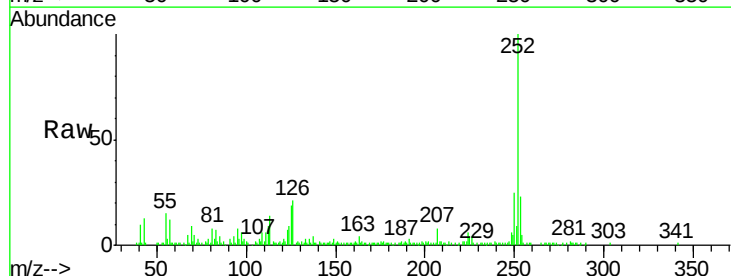
Instrument :
BNA_F
ClientSampleId :
S-1

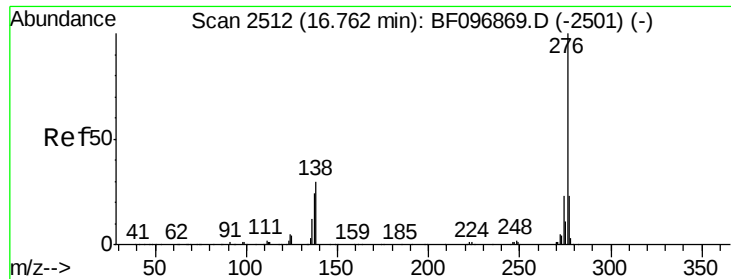
Tgt Ion:252 Resp: 133484
Ion Ratio Lower Upper
252 100
253 23.6 18.4 27.6
125 17.1 13.1 19.7



#89
Benzo(a)pyrene
Concen: 6.39 ng
RT: 14.99 min Scan# 2211
Delta R.T. -0.06 min
Lab File: BF096960.D
Acq: 21 Jul 2017 22:47

Tgt Ion:252 Resp: 69454
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 19.2 11.0 16.4#





#91

Benzo(g,h,i)perylene

Concen: 2.62 ng

RT: 16.69 min Scan# 2499

Delta R.T. -0.09 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

Instrument :

BNA_F

ClientSampleId :

S-1

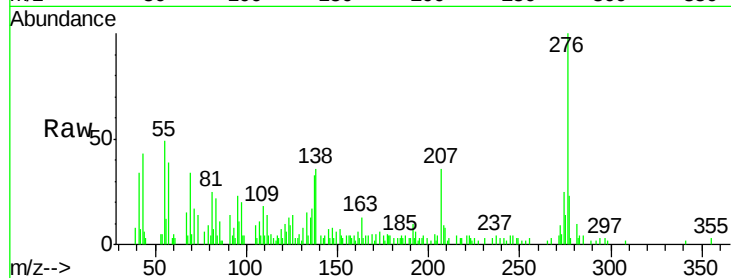
Tgt Ion: 276 Resp: 28104

Ion Ratio Lower Upper

276 100

277 22.9 18.6 28.0

138 36.1 25.4 38.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

