

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
 Data File : BF096988.D
 Acq On : 24 Jul 2017 13:47
 Operator : SJ/JU
 Sample : I4358-03RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 24 14:44:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 24 14:10:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	148075	20.00	ng	0.00
21) Naphthalene-d8	7.82	136	556964	20.00	ng	0.00
38) Acenaphthene-d10	9.57	164	144668	20.00	ng	0.00
63) Phenanthrene-d10	11.05	188	302836	20.00	ng	0.00
75) Chrysene-d12	13.67	240	72075	20.00	ng	-0.01
86) Perylene-d12	15.03	264	3245	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.17	112	964971	97.99	ng	0.02
7) Phenol-d6	6.22	99	778741	65.89	ng	0.00
23) Nitrobenzene-d5	7.11	82	716084	79.64	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	224125	181.50	ng	0.00
44) 2-Fluorobiphenyl	8.90	172	1137912	124.27	ng	0.00
78) Terphenyl-d14	12.63	244	570683	137.32	ng	0.00

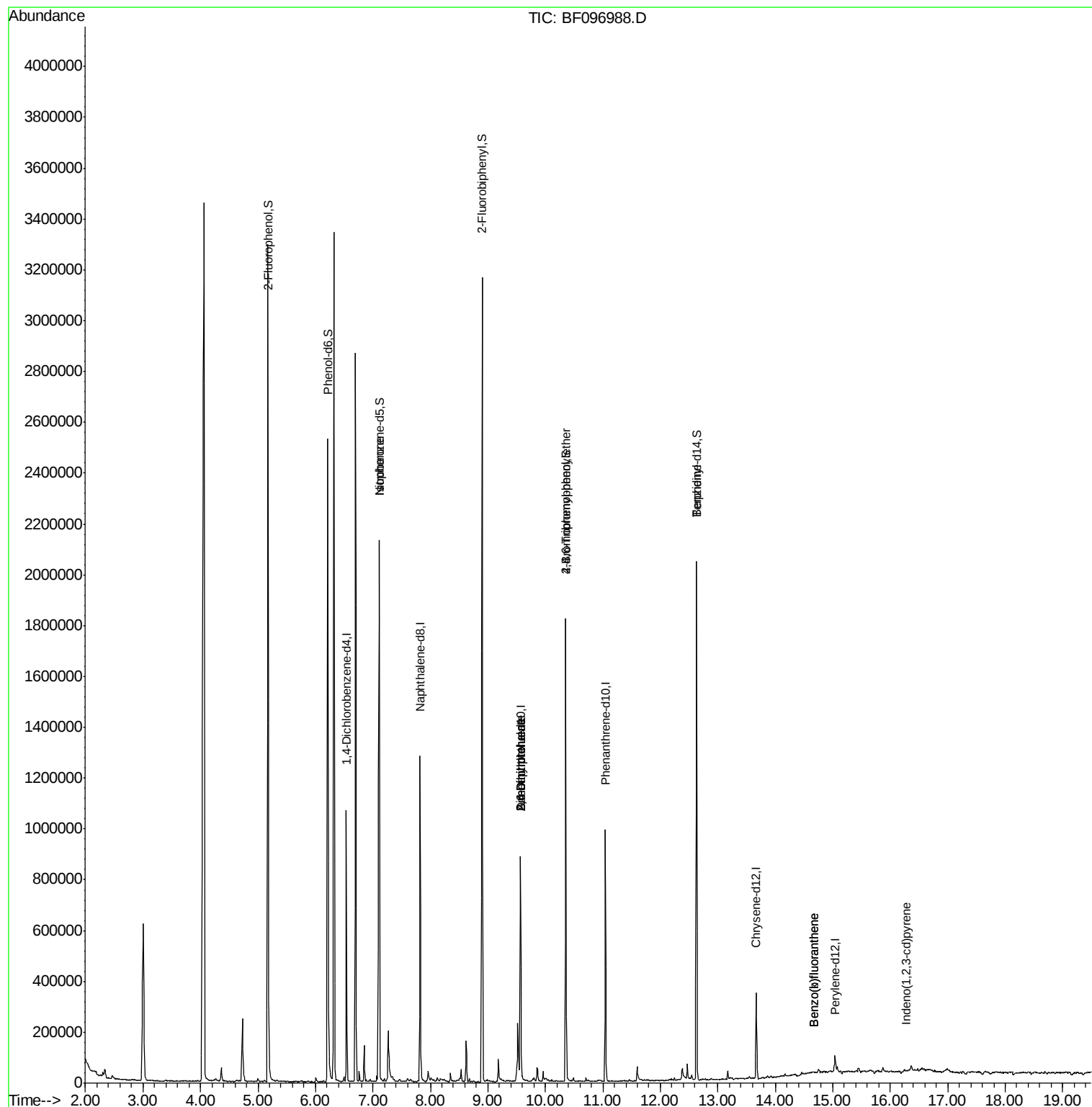
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.11	82	713277	42.641	ng	# 67
49) Dimethylphthalate	9.57	163	66713	6.124	ng	# 1
50) 2,6-Dinitrotoluene	9.57	165	18463	7.825	ng	# 36
56) 2,4-Dinitrotoluene	9.57	165	18463	6.090	ng	# 36
60) 4-Chlorophenyl-phenylether	9.96	204	157	Below Cal		# 21
66) 4-Bromophenyl-phenylether	10.36	248	14664	4.743	ng	# 1
76) Benzidine	12.63	184	8101	3.431	ng	# 79
85) Indeno(1,2,3-cd)pyrene	16.28	276	118	3.355	ng	# 1
87) Benzo(b)fluoranthene	14.67	252	1185	6.055	ng	# 20
88) Benzo(k)fluoranthene	14.67	252	1185	6.394	ng	# 23

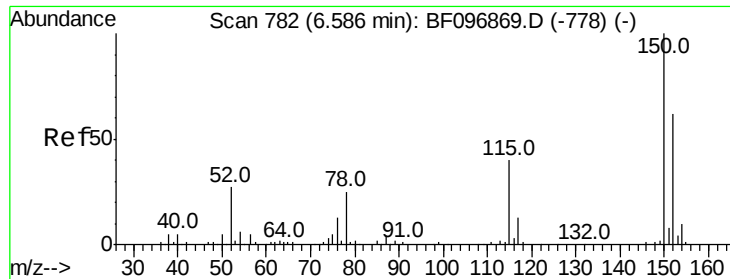
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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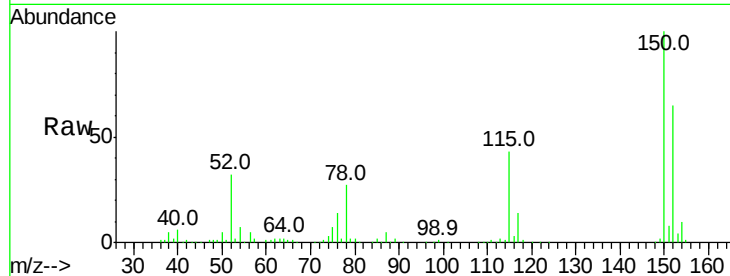


#1

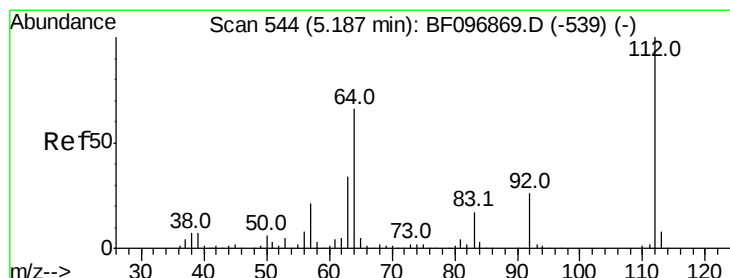
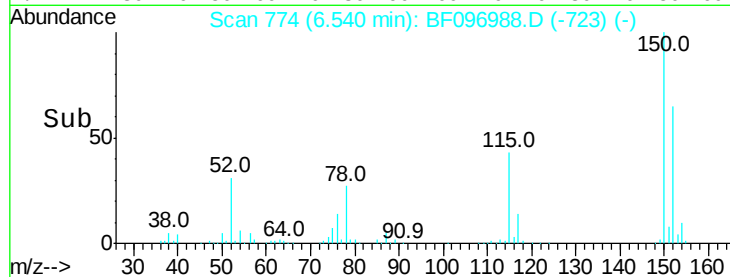
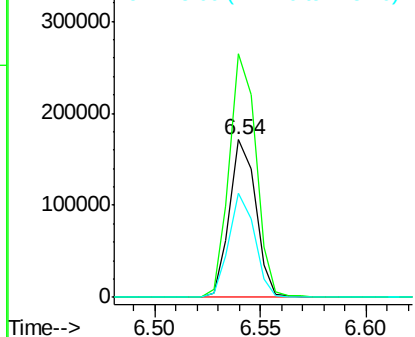
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.54 min Scan# 774
Delta R.T. 0.00 min
Lab File: BF096988.D
Acq: 24 Jul 2017 13:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 148075
Ion Ratio Lower Upper
152 100
150 154.8 126.2 189.2
115 65.8 52.2 78.2



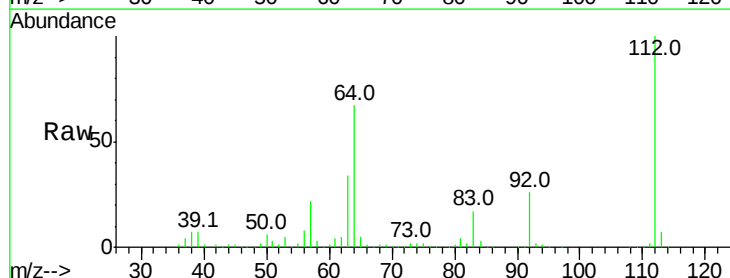
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



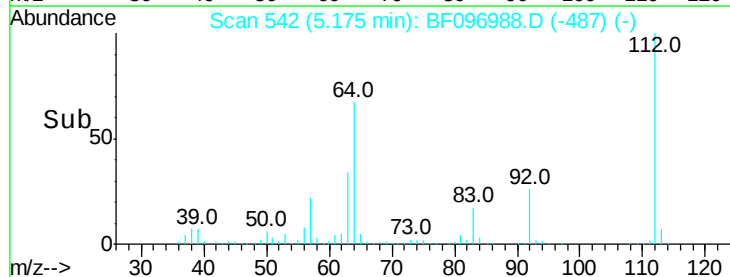
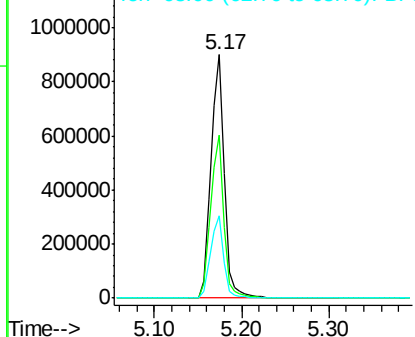
#5

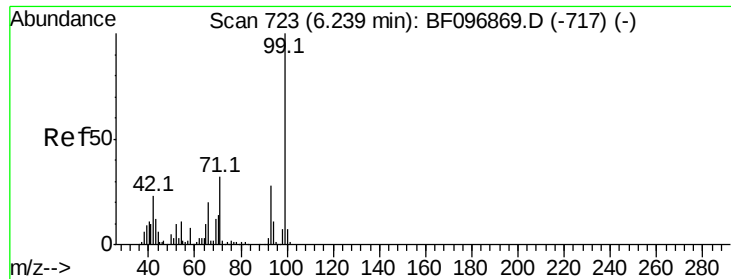
2-Fluorophenol
Concen: 97.985 ng
RT: 5.17 min Scan# 542
Delta R.T. 0.02 min
Lab File: BF096988.D
Acq: 24 Jul 2017 13:47

Tgt Ion:112 Resp: 964971
Ion Ratio Lower Upper
112 100
64 66.7 46.0 69.0
63 33.7 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 65.894 ng

RT: 6.22 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF096988.D

Acq: 24 Jul 2017 13:47

Instrument :

BNA_F

ClientSampleId :

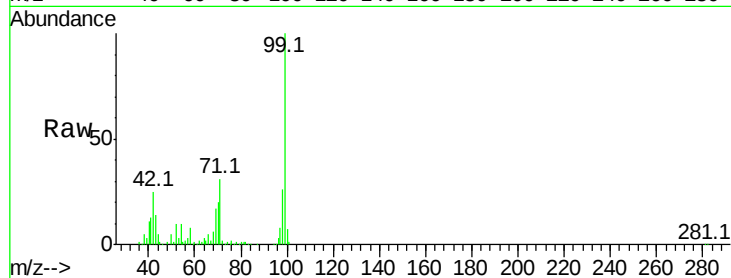
Tot Ion: 99 Resp: 778741

Ion Ratio Lower Upper

99 100

42 25.4 13.5 20.3#

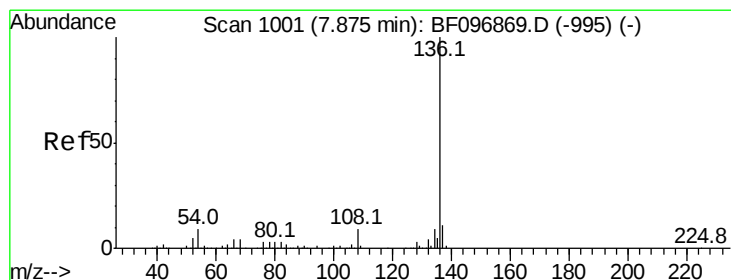
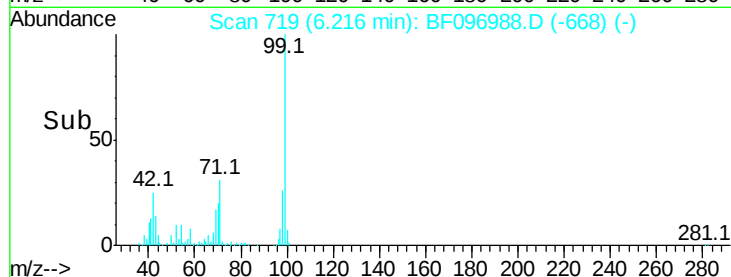
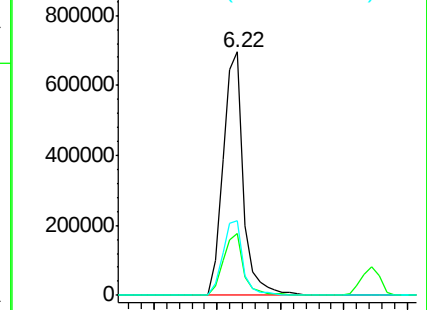
71 30.6 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.82 min Scan# 992

Delta R.T. -0.01 min

Lab File: BF096988.D

Acq: 24 Jul 2017 13:47

Tgt Ion: 136 Resp: 556964

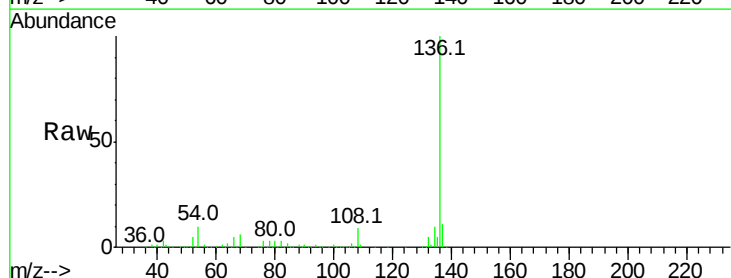
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 10.0 4.9 7.3#

68 5.6 4.1 6.1

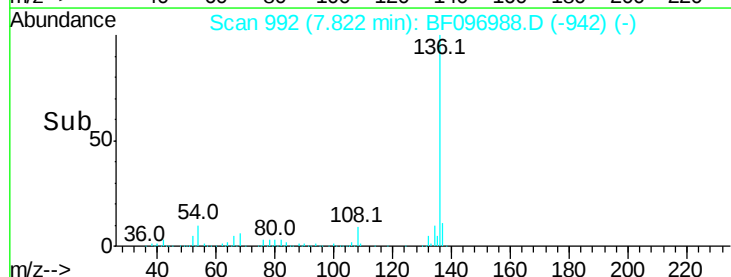
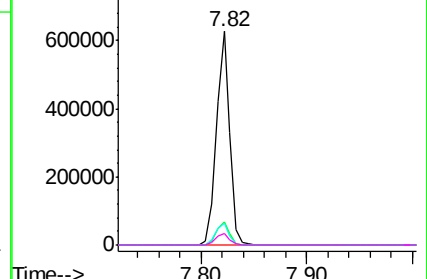


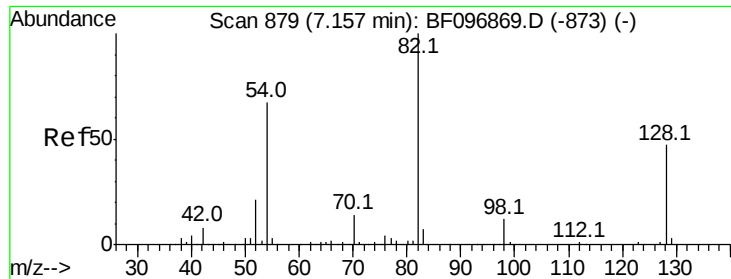
Abundance Ion 136.00 (135.70 to 136.70): E

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

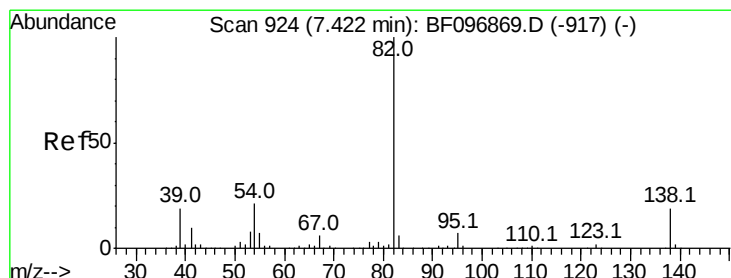
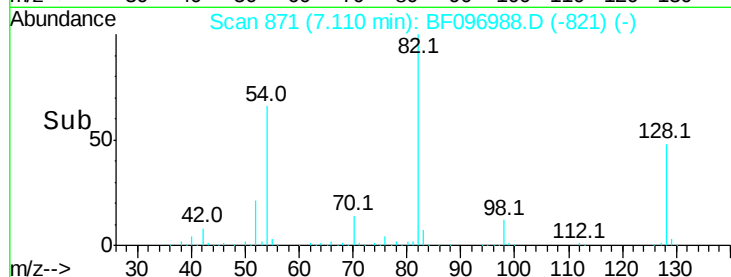
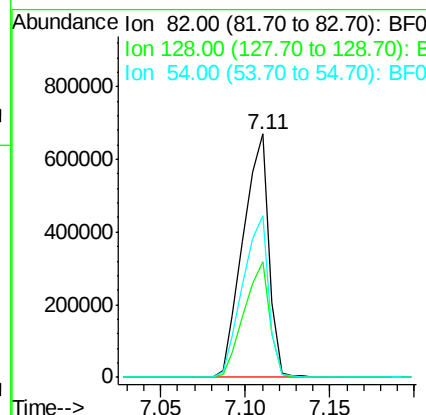
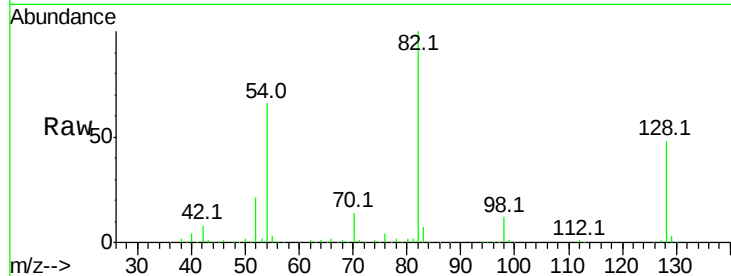




#23
Nitrobenzene-d5
Concen: 79.637 ng
RT: 7.11 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF096988.D
Acq: 24 Jul 2017 13:47

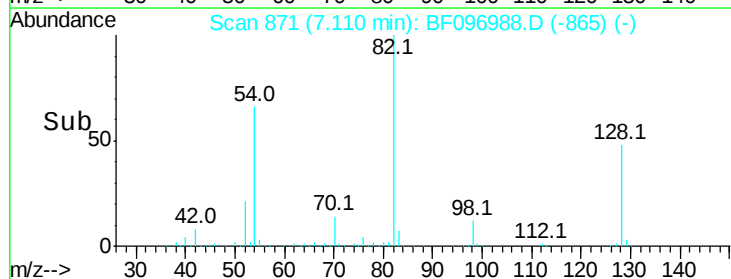
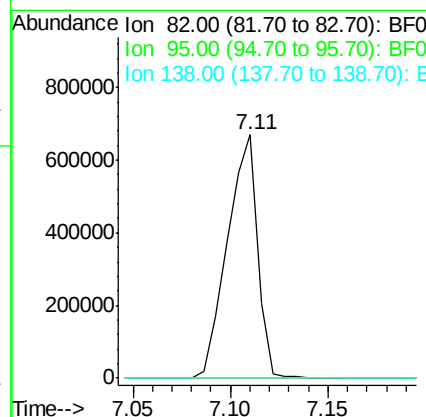
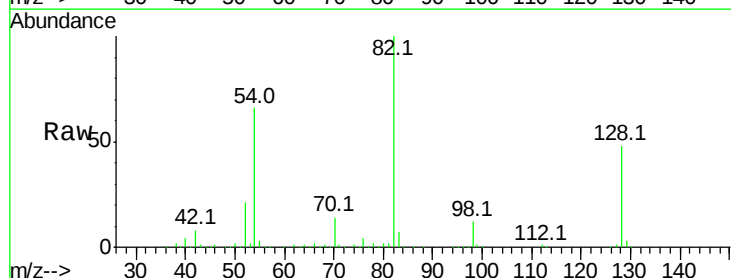
Instrument :
BNA_F
ClientSampleId :

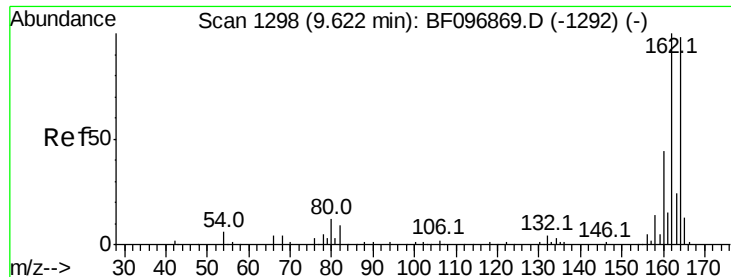
Tot Ion: 82 Resp: 716084
Ion Ratio Lower Upper
82 100
128 47.5 34.0 51.0
54 66.3 42.2 63.2#



#25
Isophorone
Concen: 42.641 ng
RT: 7.11 min Scan# 871
Delta R.T. -0.26 min
Lab File: BF096988.D
Acq: 24 Jul 2017 13:47

Tgt Ion: 82 Resp: 713277
Ion Ratio Lower Upper
82 100
95 0.1 5.3 7.9#
138 0.0 13.1 19.7#

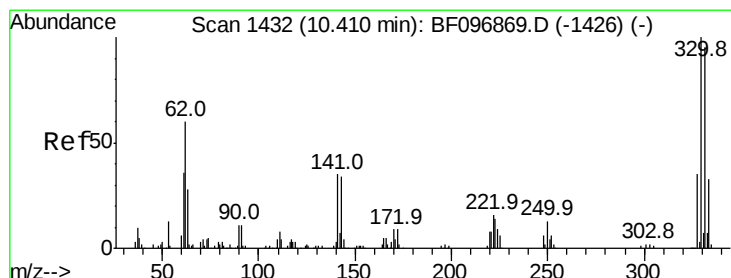
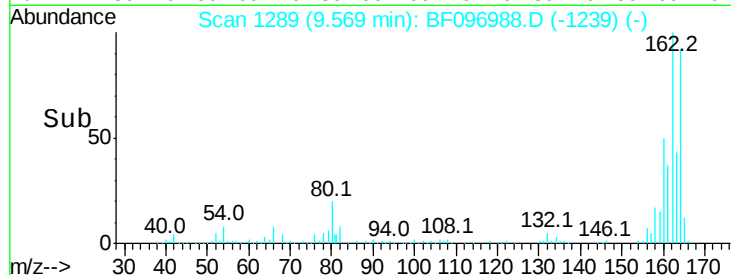
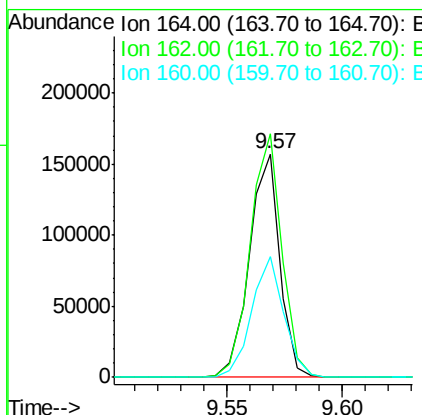
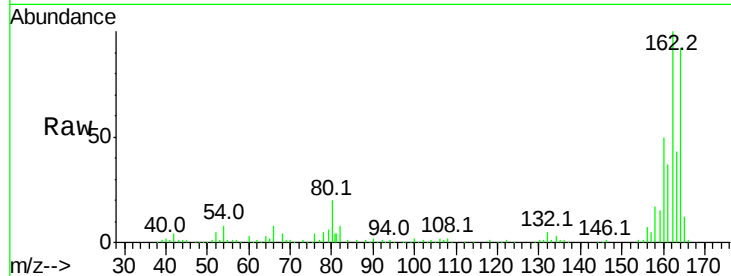




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.57 min Scan# 1289
 Delta R.T. -0.01 min
 Lab File: BF096988.D
 Acq: 24 Jul 2017 13:47

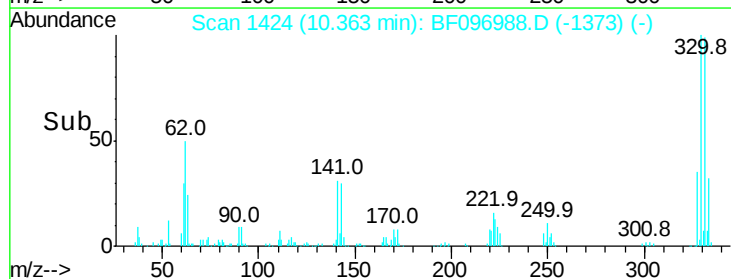
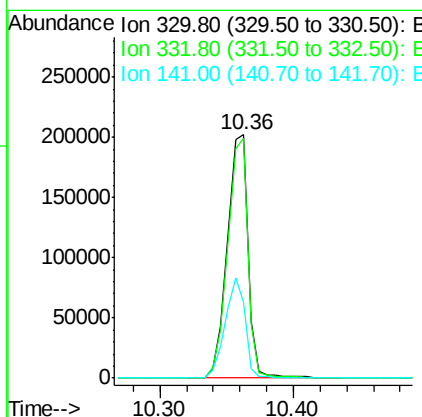
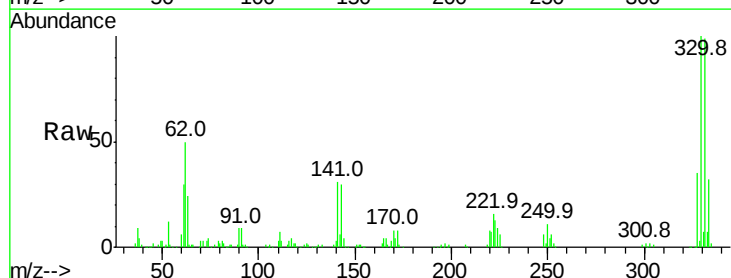
Instrument :
 BNA_F
 ClientSampleId :

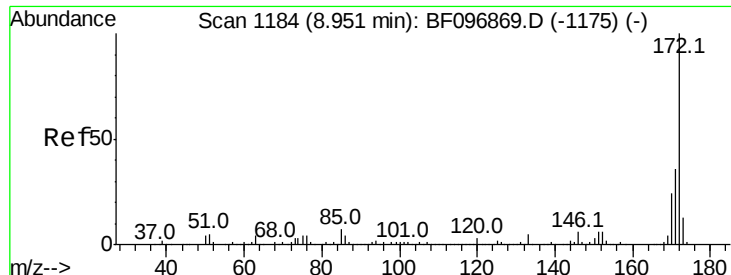
Tot Ion:164 Resp: 144668
 Ion Ratio Lower Upper
 164 100
 162 109.0 82.6 123.8
 160 54.3 36.2 54.2#



#41
 2,4,6-Tribromophenol
 Concen: 181.498 ng
 RT: 10.36 min Scan# 1424
 Delta R.T. 0.00 min
 Lab File: BF096988.D
 Acq: 24 Jul 2017 13:47

Tgt Ion:330 Resp: 224125
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 115.0
 141 39.3 31.4 47.2

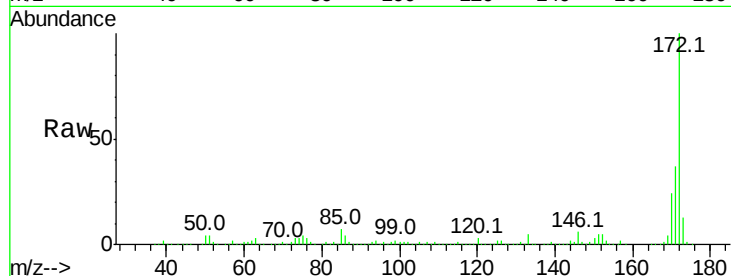




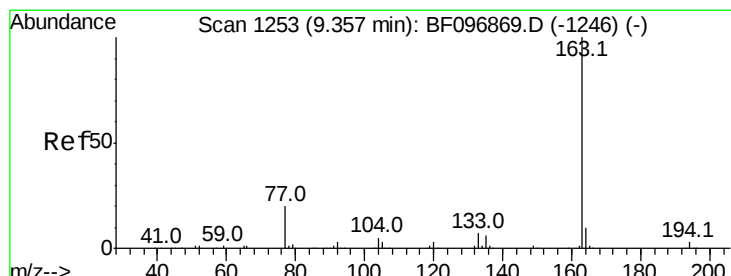
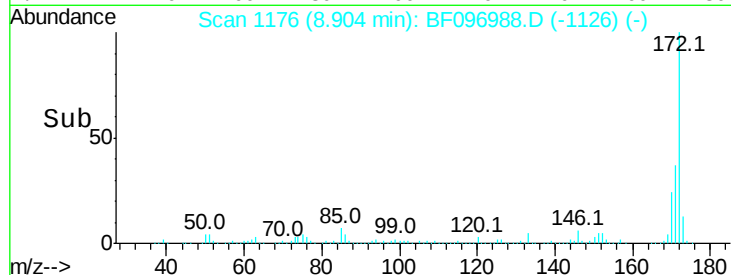
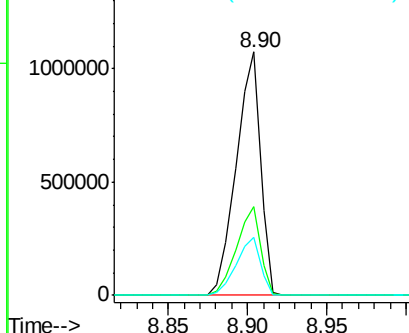
#44
2-Fluorobiphenyl
Concen: 124.272 ng
RT: 8.90 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF096988.D
Acq: 24 Jul 2017 13:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1137912
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 23.9 19.8 29.8

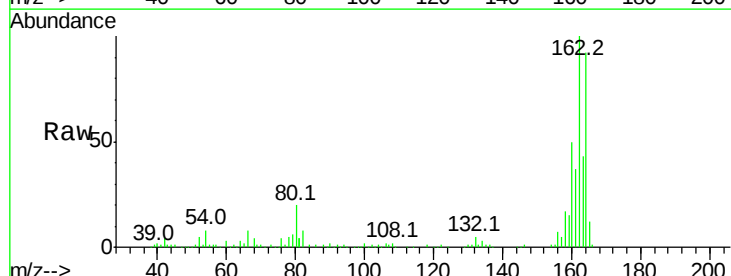


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

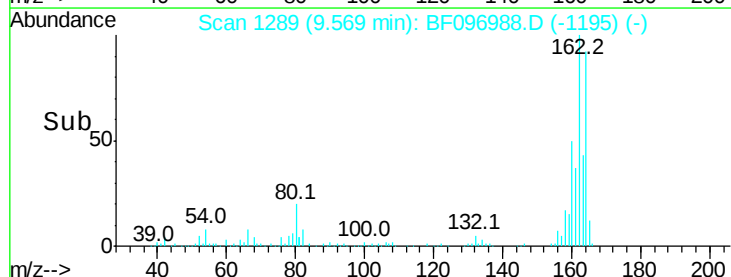
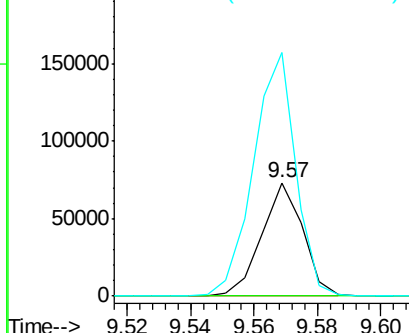


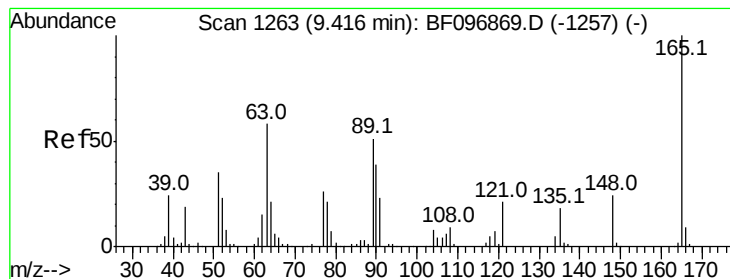
#49
Dimethylphthalate
Concen: 6.124 ng
RT: 9.57 min Scan# 1289
Delta R.T. 0.25 min
Lab File: BF096988.D
Acq: 24 Jul 2017 13:47

Tgt Ion:163 Resp: 66713
Ion Ratio Lower Upper
163 100
194 0.0 2.6 4.0#
164 214.3 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: 7.825 ng

RT: 9.57 min Scan# 1289

Delta R.T. 0.19 min

Lab File: BF096988.D

Acq: 24 Jul 2017 13:47

Instrument :

BNA_F

ClientSampled :

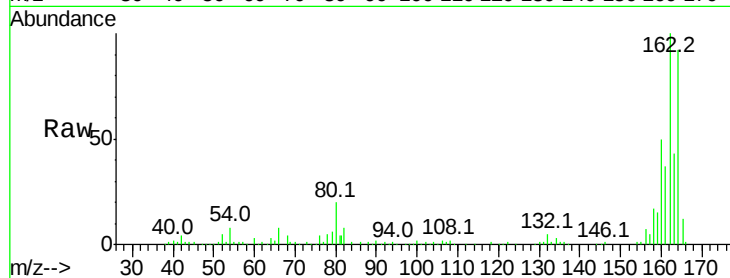
Tot Ion:165 Resp: 18463

Ion Ratio Lower Upper

165 100

63 2.9 34.3 51.5#

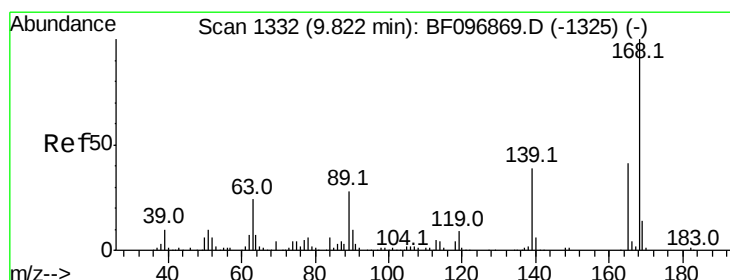
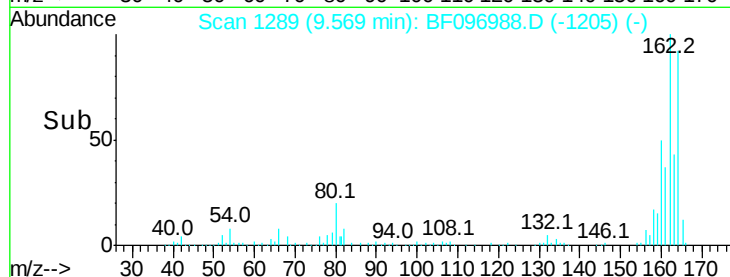
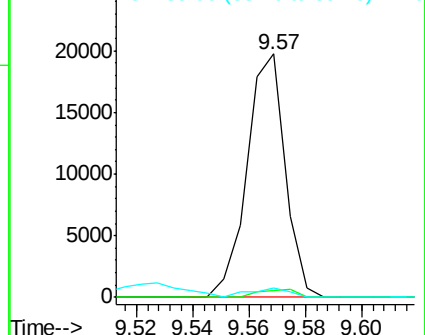
89 3.6 37.1 55.7#



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: 6.090 ng

RT: 9.57 min Scan# 1289

Delta R.T. -0.21 min

Lab File: BF096988.D

Acq: 24 Jul 2017 13:47

Tgt Ion:165 Resp: 18463

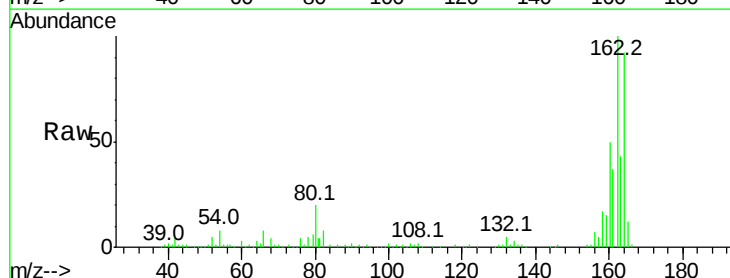
Ion Ratio Lower Upper

165 100

63 2.9 25.4 38.0#

89 3.6 46.4 69.6#

182 0.0 1.8 2.6#

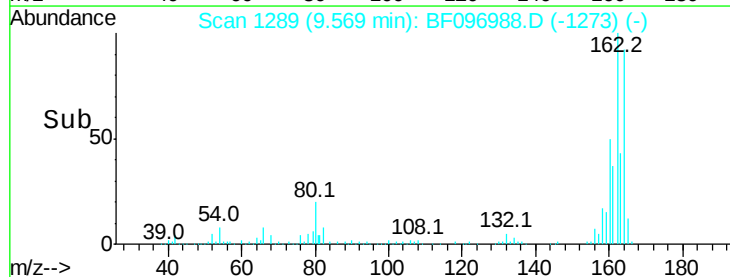
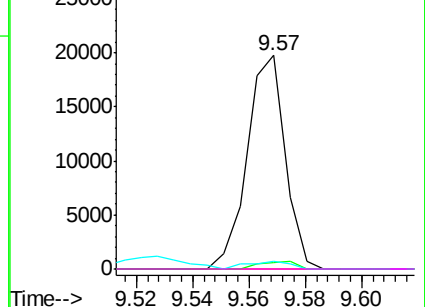


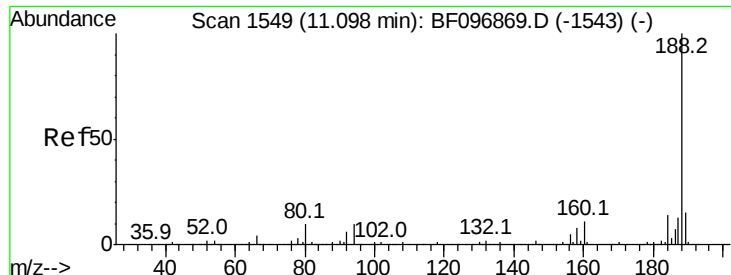
Abundance Ion 165.00 (164.70 to 165.70): E

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

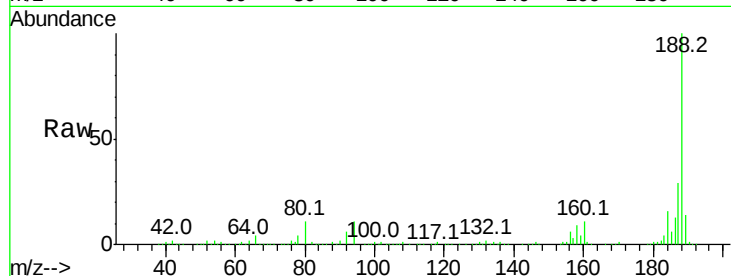




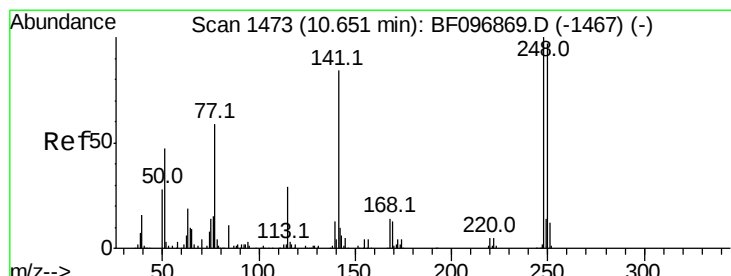
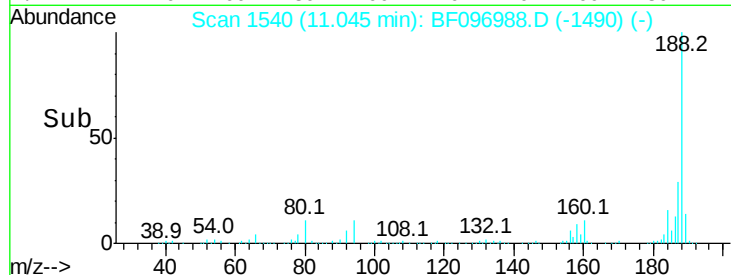
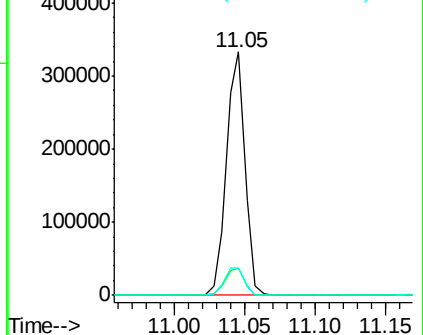
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.05 min Scan# 1540
Delta R.T. -0.01 min
Lab File: BF096988.D
Acq: 24 Jul 2017 13:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 302836
Ion Ratio Lower Upper
188 100
94 11.3 9.4 14.2
80 11.3 10.2 15.2

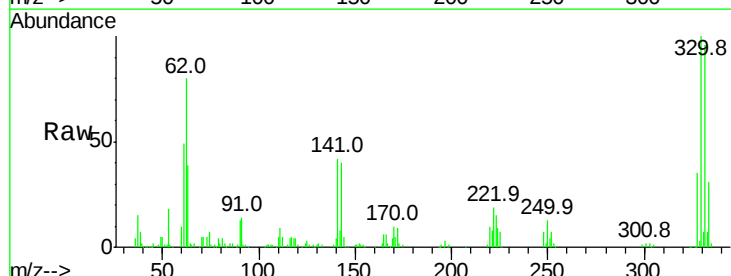


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

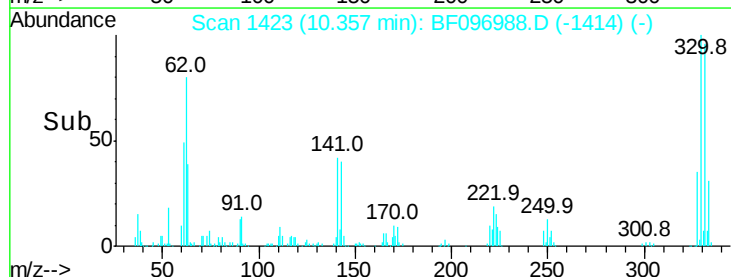
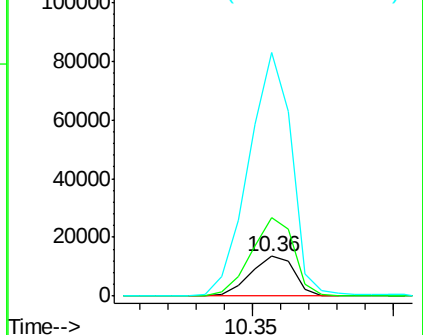


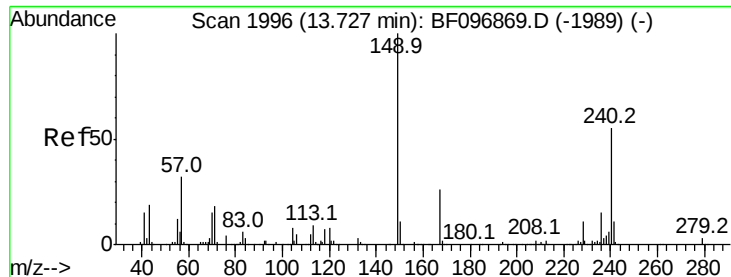
#66
4-Bromophenyl-phenylether
Concen: 4.743 ng
RT: 10.36 min Scan# 1423
Delta R.T. -0.25 min
Lab File: BF096988.D
Acq: 24 Jul 2017 13:47

Tgt Ion:248 Resp: 14664
Ion Ratio Lower Upper
248 100
250 196.5 76.8 115.2#
141 611.7 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: 13.67 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF096988.D

Acq: 24 Jul 2017 13:47

Instrument :

BNA_F

ClientSampleId :

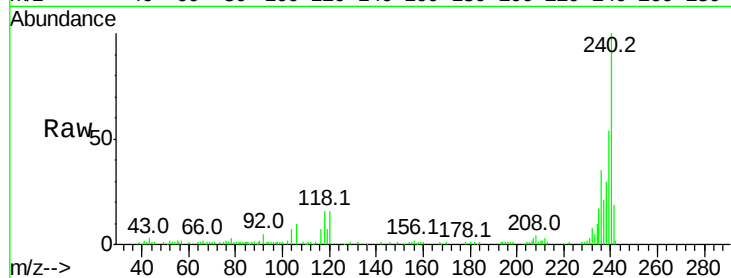
Tot Ion:240 Resp: 72075

Ion Ratio Lower Upper

240 100

120 16.4 5.8 8.8#

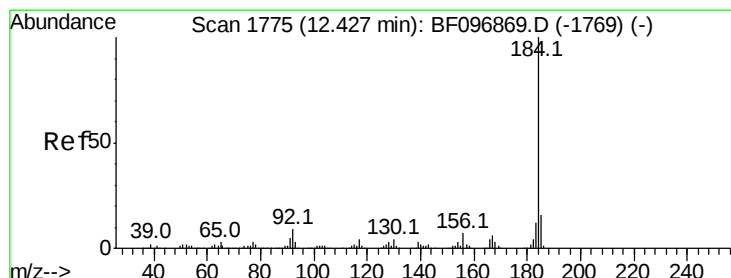
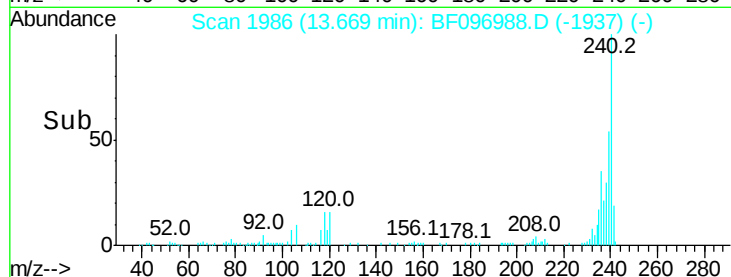
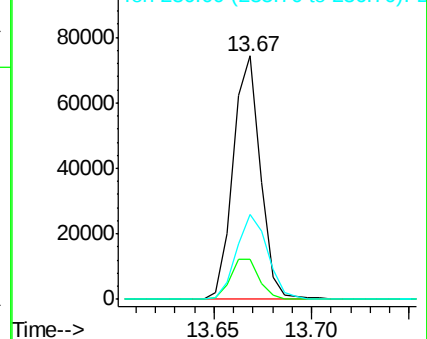
236 34.9 20.5 30.7#



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



#76

Benzidine

Concen: 3.431 ng

RT: 12.63 min Scan# 1810

Delta R.T. 0.25 min

Lab File: BF096988.D

Acq: 24 Jul 2017 13:47

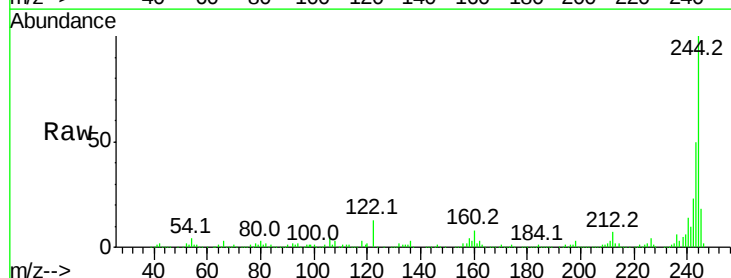
Tgt Ion:184 Resp: 8101

Ion Ratio Lower Upper

184 100

185 25.0 15.5 23.3#

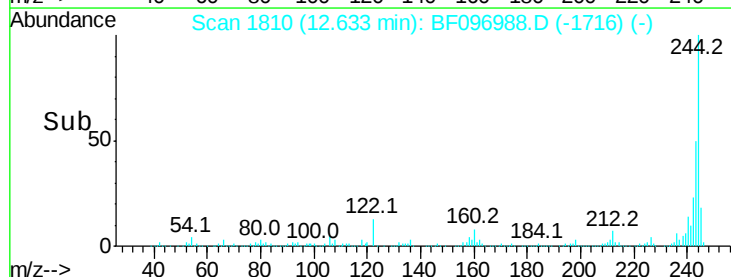
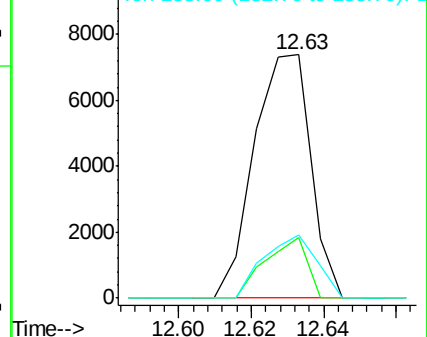
183 25.9 9.8 14.6#

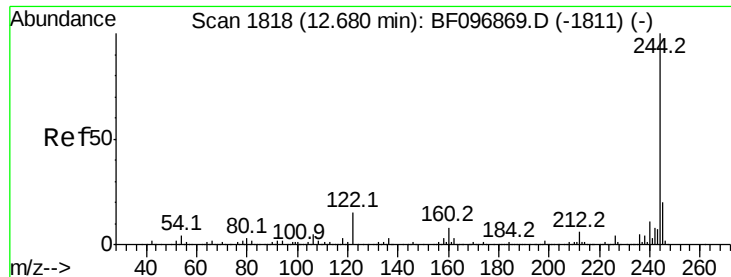


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 137.317 ng

RT: 12.63 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF096988.D

Acq: 24 Jul 2017 13:47

Instrument :

BNA_F

ClientSampleId :

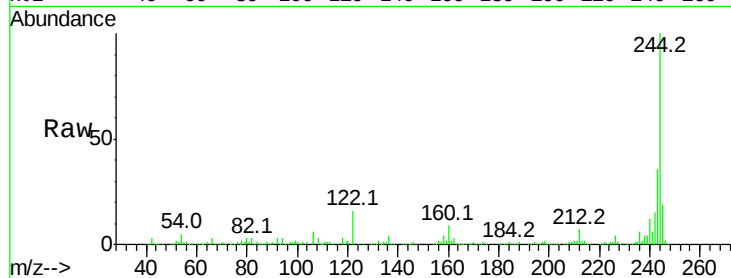
Tot Ion:244 Resp: 570683

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

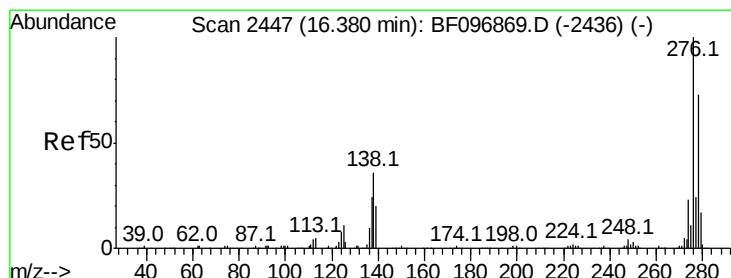
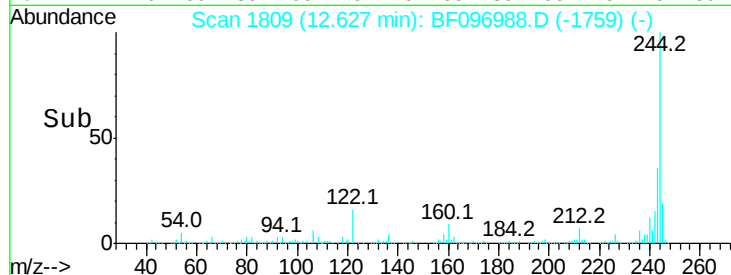
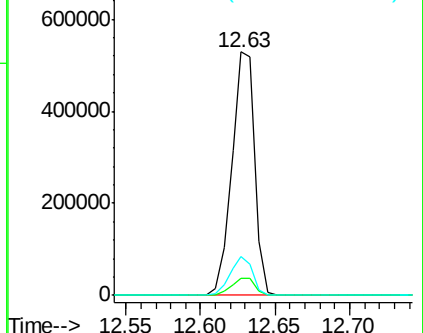
122 15.8 10.3 15.5#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.355 ng

RT: 16.28 min Scan# 2430

Delta R.T. -0.02 min

Lab File: BF096988.D

Acq: 24 Jul 2017 13:47

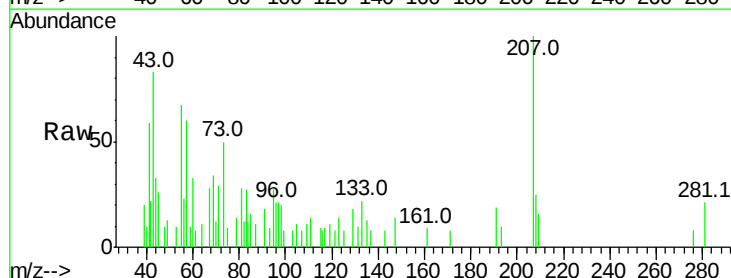
Tgt Ion:276 Resp: 118

Ion Ratio Lower Upper

276 100

138 115.3 27.8 41.6#

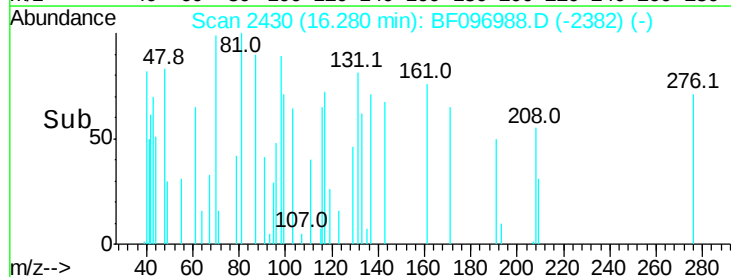
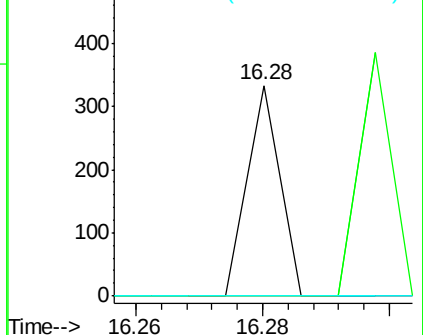
277 0.0 20.2 30.4#

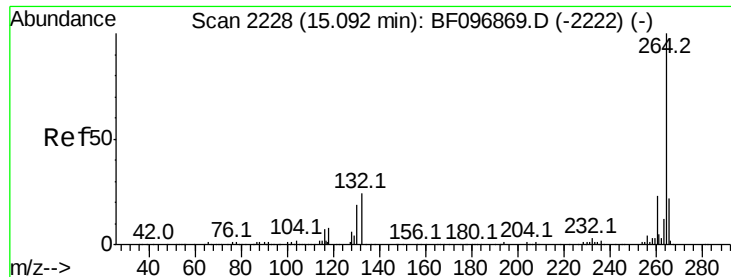


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

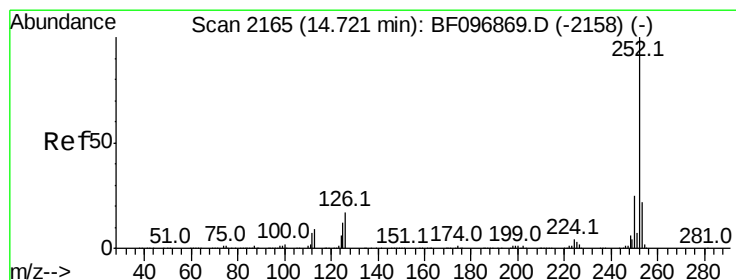
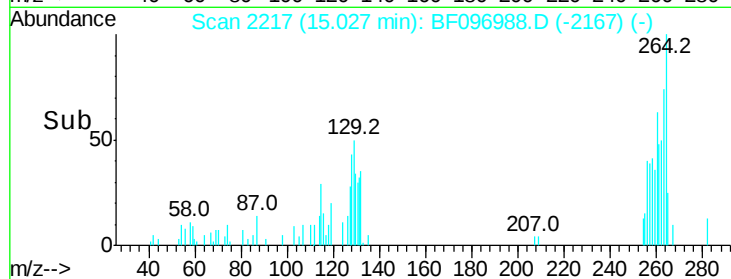
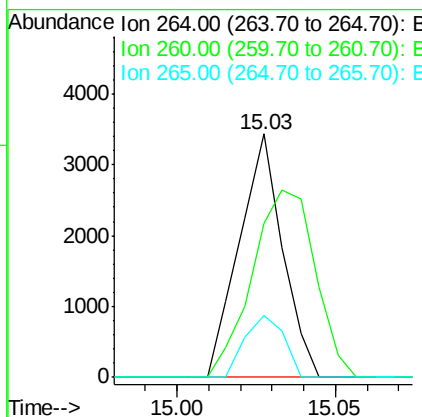
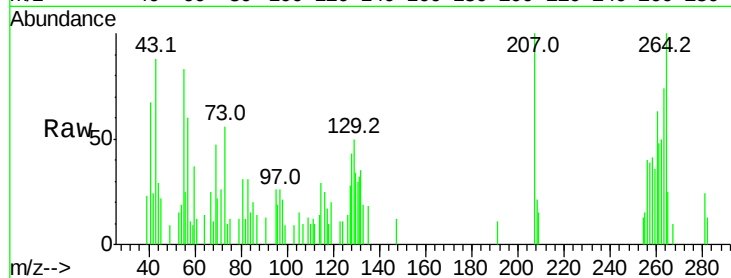




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.03 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF096988.D
Acq: 24 Jul 2017 13:47

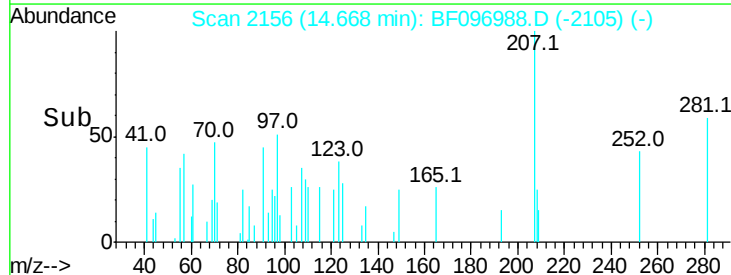
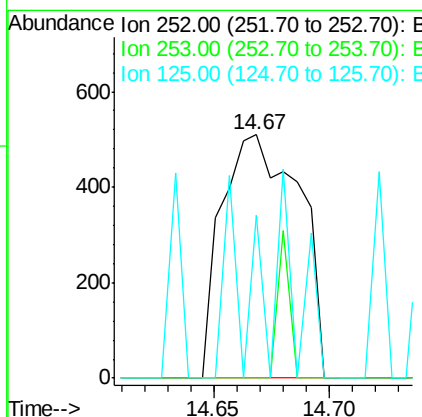
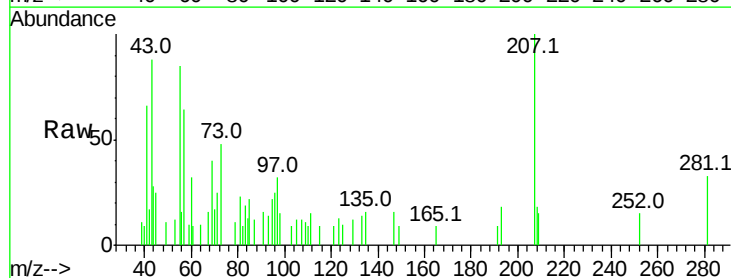
Instrument :
BNA_F
ClientSampleId :

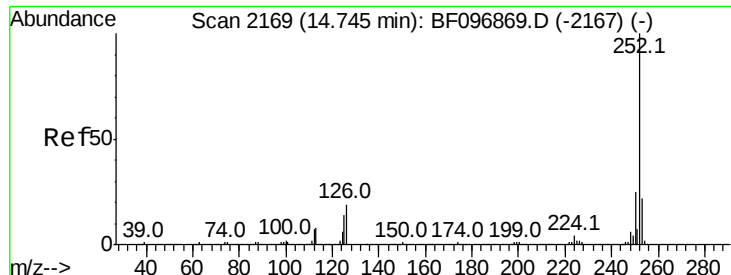
Tot Ion:264 Resp: 3245
Ion Ratio Lower Upper
264 100
260 63.1 19.5 29.3#
265 25.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 6.055 ng
RT: 14.67 min Scan# 2156
Delta R.T. 0.00 min
Lab File: BF096988.D
Acq: 24 Jul 2017 13:47

Tgt Ion:252 Resp: 1185
Ion Ratio Lower Upper
252 100
253 0.0 18.1 27.1#
125 66.9 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 6.394 ng

RT: 14.67 min Scan# 2156

Delta R.T. -0.03 min

Lab File: BF096988.D

Acq: 24 Jul 2017 13:47

Instrument :

BNA_F

ClientSampleId :

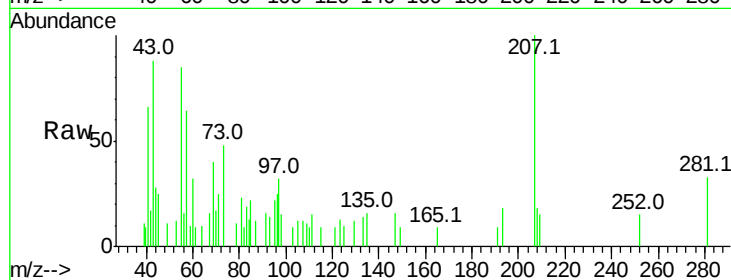
Tot Ion:252 Resp: 1185

Ion Ratio Lower Upper

252 100

253 0.0 18.4 27.6#

125 66.9 13.1 19.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

