

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082517\
 Data File : BF098044.D
 Acq On : 25 Aug 2017 21:42
 Operator : SJ/JU
 Sample : I4956-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-010-A

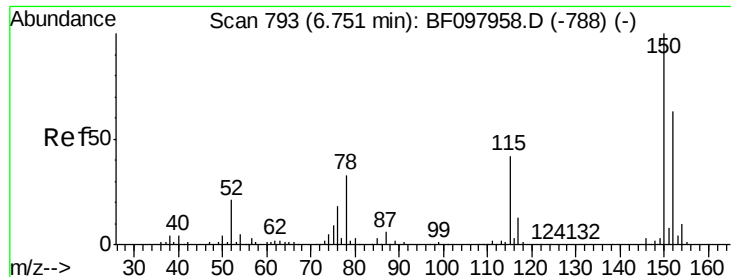
Quant Time: Aug 25 23:23:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	114454	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	437545	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	167469	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	254837	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	239905	20.00	ng	-0.01
86) Perylene-d12	15.30	264	212848	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	908106	120.69	ng	0.00
7) Phenol-d6	6.37	99	1239215	121.21	ng	-0.01
23) Nitrobenzene-d5	7.30	82	736592	91.45	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	158662	109.19	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	990890	86.93	ng	-0.01
78) Terphenyl-d14	12.84	244	621146	53.99	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.39	94	27945	2.34	ng	98
19) n-Nitroso-di-n-propylamine	7.30	70	99876	14.27	ng	# 72
25) Isophorone	7.30	82	728773	43.51	ng	# 67
49) Dimethylphthalate	9.49	163	93902	7.67	ng	99
56) 2,4-Dinitrotoluene	9.77	165	21245	6.93	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.56	198	356	8.57	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	10546	3.99	ng	# 1
70) Phenanthrene	11.27	178	63557	4.68	ng	99
74) Fluoranthene	12.46	202	125475	8.85	ng	98
77) Pyrene	12.69	202	109829	5.60	ng	97
80) Benzo(a)anthracene	13.87	228	63761	4.43	ng	99
82) Chrysene	13.91	228	49611	3.47	ng	97
83) Bis(2-ethylhexyl)phthalate	13.87	149	17228	2.07	ng	# 97
87) Benzo(b)fluoranthene	14.90	252	84846	6.32	ng	96
88) Benzo(k)fluoranthene	14.90	252	84846	6.73	ng	96
89) Benzo(a)pyrene	15.24	252	42891	3.61	ng	98

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

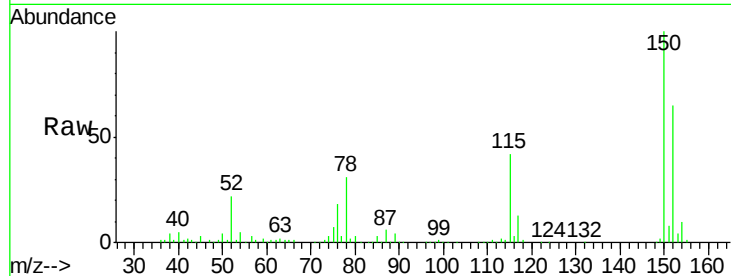


#1

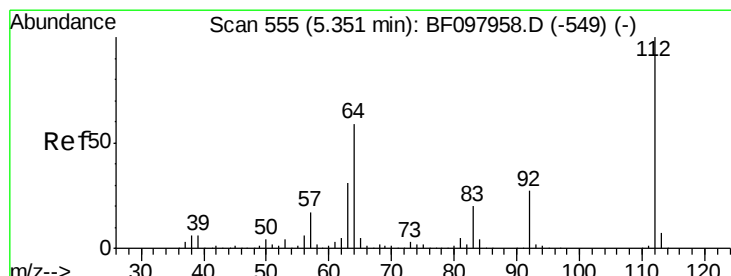
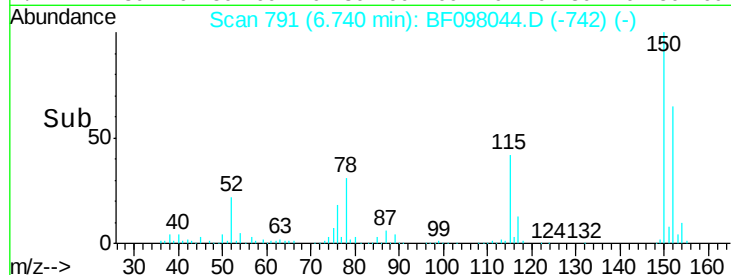
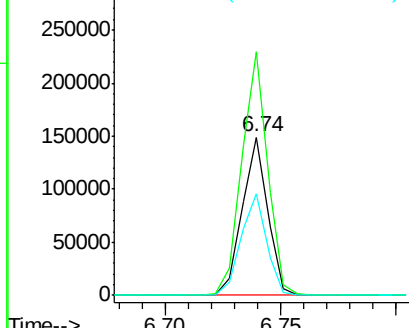
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.74 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF098044.D
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 BNA_F
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 FK-GF-02-010-A

Tot Ion:152 Resp: 114454
 Ion Ratio Lower Upper
 152 100
 150 154.3 126.2 189.2
 115 64.3 52.2 78.2



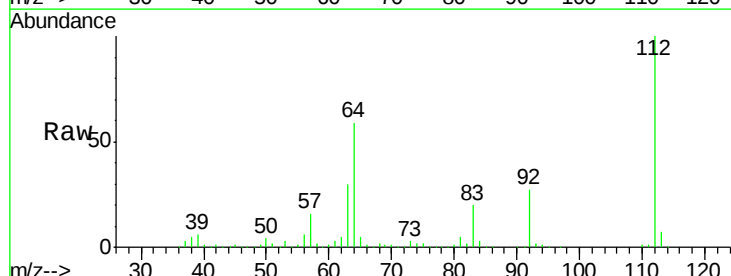
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



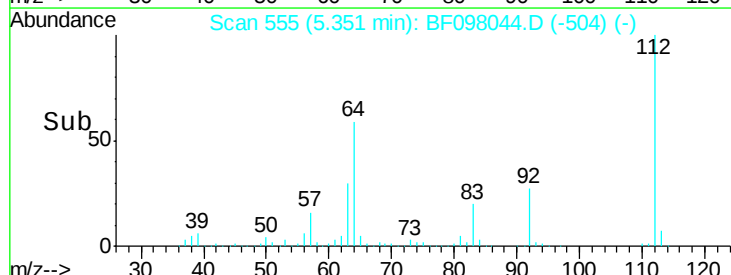
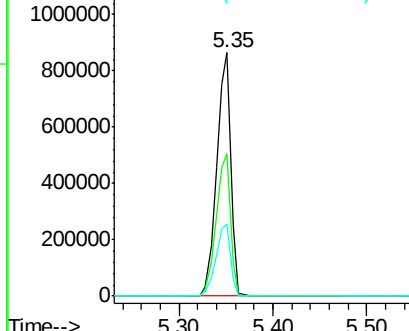
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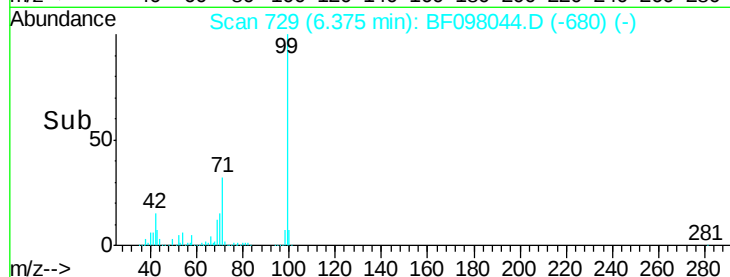
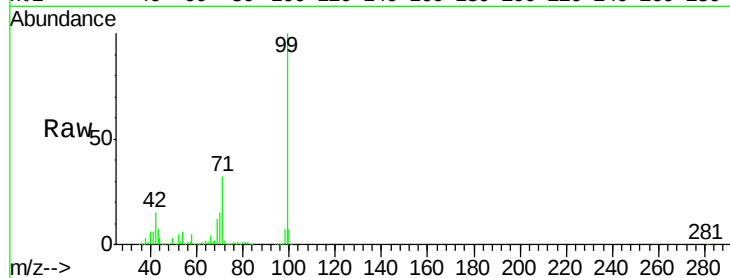
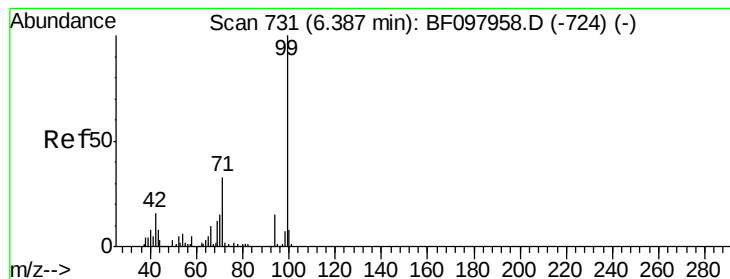
2-Fluorophenol
 Concen: 120.69 ng
 RT: 5.35 min Scan# 555
 Delta R.T. 0.00 min
 Lab File: BF098044.D
 Acq: 25 Aug 2017 21:42

Tgt Ion:112 Resp: 908106
 Ion Ratio Lower Upper
 112 100
 64 58.5 46.0 69.0
 63 29.6 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: 121.21 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098044.D

Acq: 25 Aug 2017 21:42

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-010-A

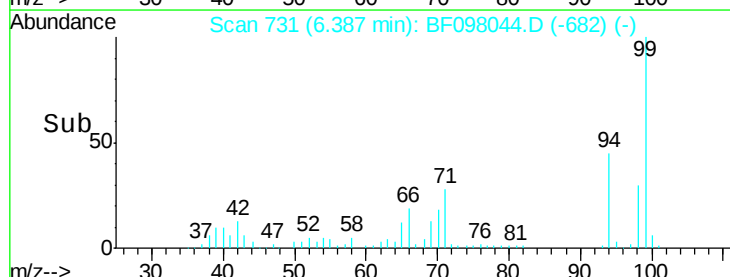
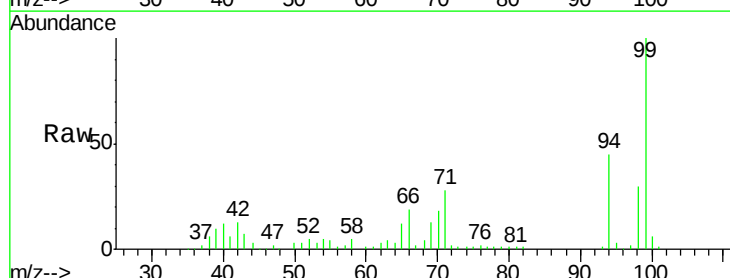
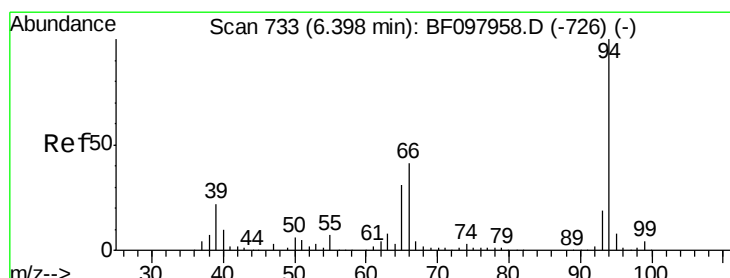
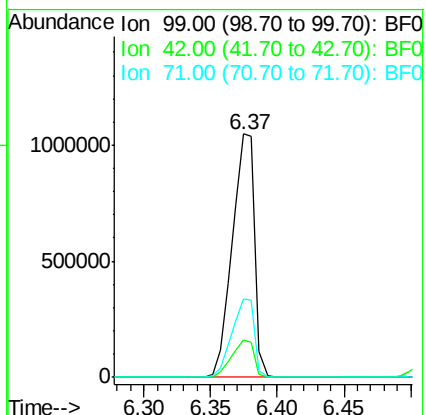
Tot Ion: 99 Resp: 1239215

Ion Ratio Lower Upper

99 100

42 15.4 13.5 20.3

71 32.4 24.5 36.7



#10

Phenol

Concen: 2.34 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF098044.D

Acq: 25 Aug 2017 21:42

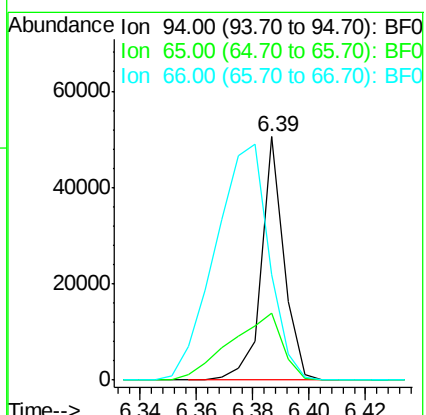
Tgt Ion: 94 Resp: 27945

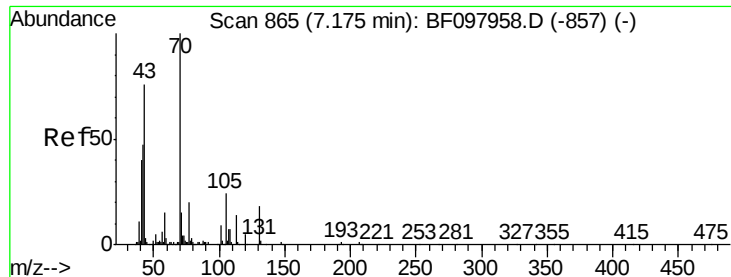
Ion Ratio Lower Upper

94 100

65 27.6 9.9 49.9

66 43.5 23.1 63.1

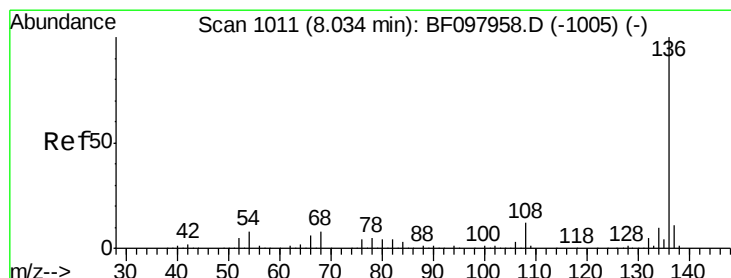
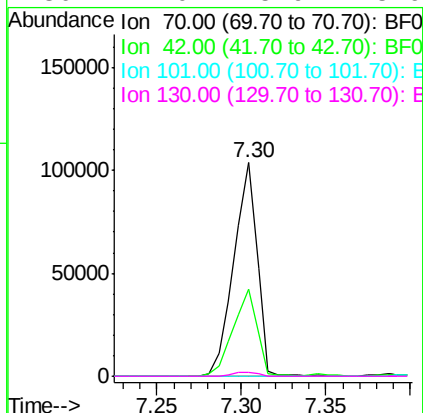
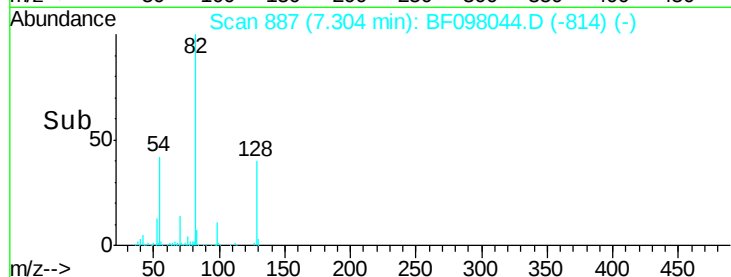
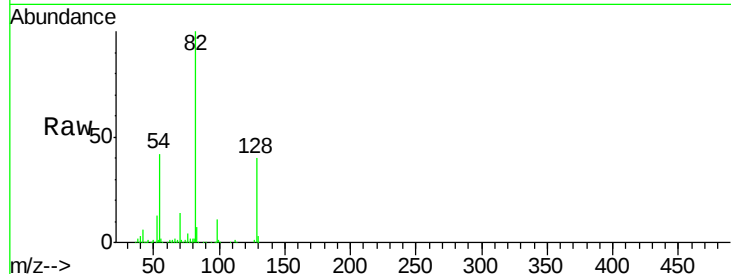




#19
n-Nitroso-di-n-propylamine
Concen: 14.27 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.13 min
Lab File: BF098044.D
Acq: 25 Aug 2017 21:42

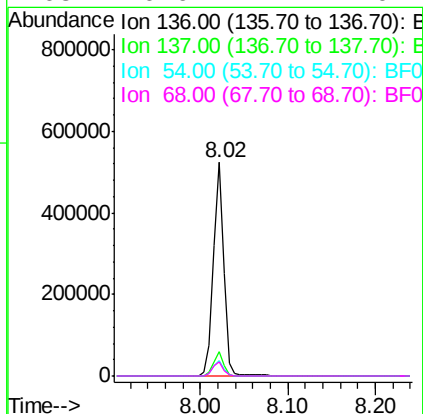
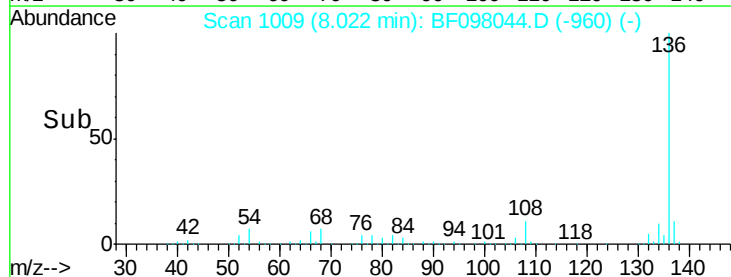
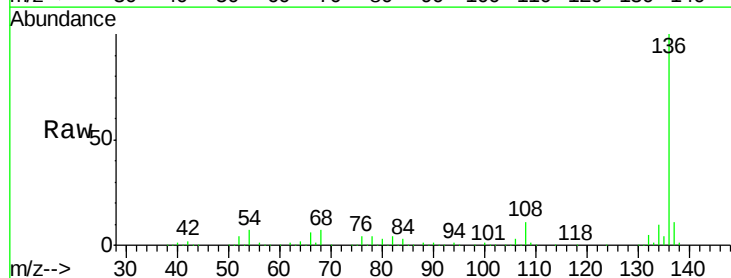
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-010-A

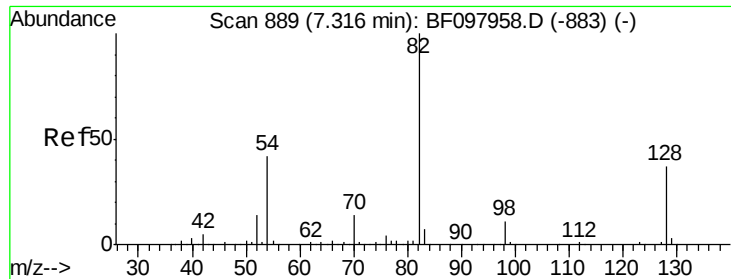
Tot Ion: 70 Resp: 99876
Ion Ratio Lower Upper
70 100
42 40.6 47.2 70.8#
101 0.0 7.2 10.8#
130 2.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098044.D
Acq: 25 Aug 2017 21:42

Tgt Ion: 136 Resp: 437545
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 7.4 4.9 7.3#
68 6.6 4.1 6.1#

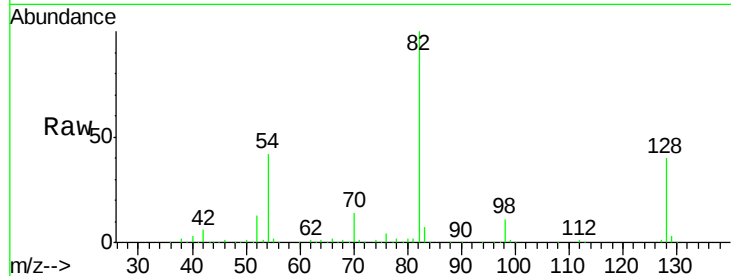




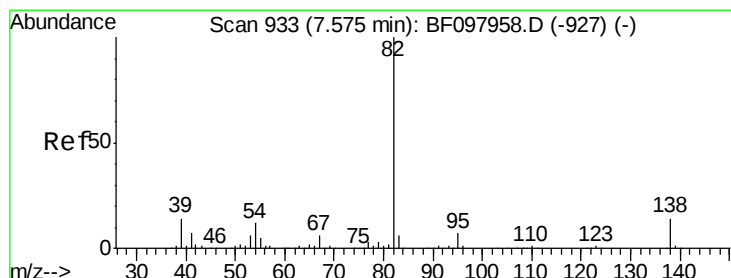
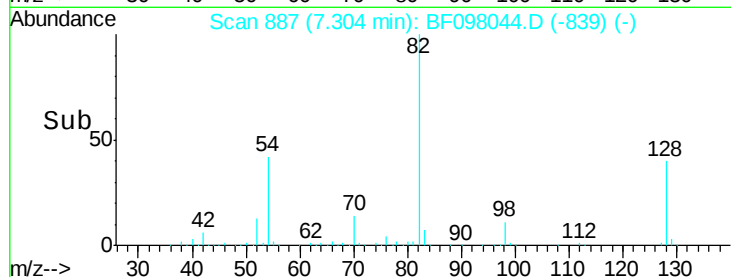
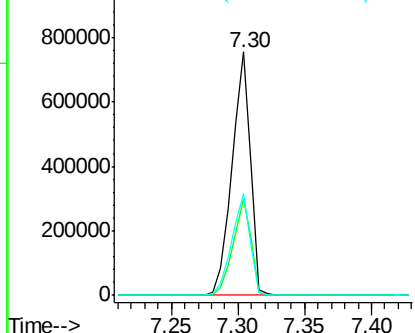
#23
 Nitrobenzene-d5
 Concen: 91.45 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF098044.D
 Acq: 25 Aug 2017 21:42

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-010-A

Tot Ion	82	Resp	736592
Ion Ratio	Lower	Upper	
82	100		
128	39.5	34.0	51.0
54	41.7	42.2	63.2#

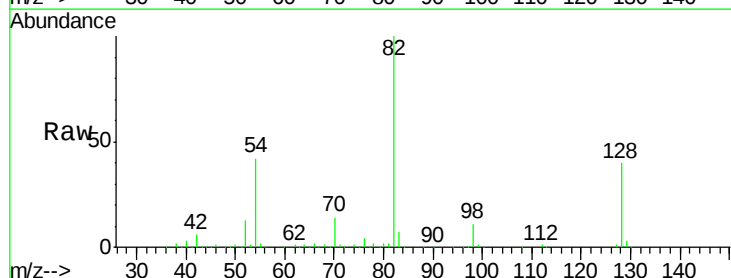


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

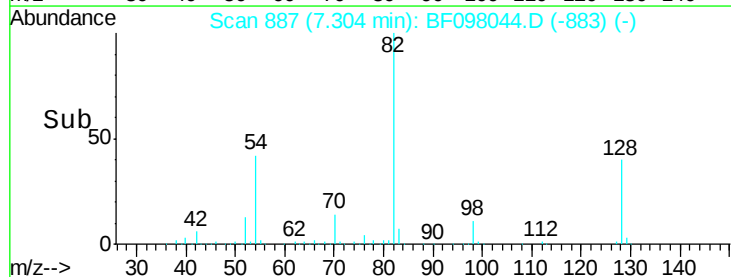
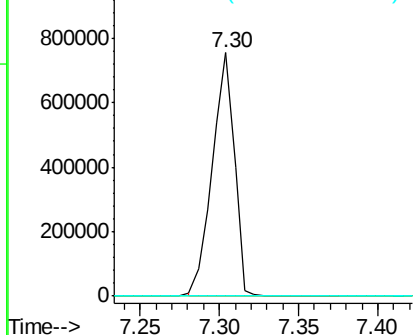


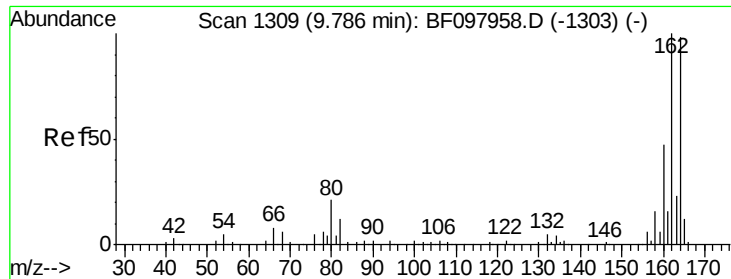
#25
 Isophorone
 Concen: 43.51 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.28 min
 Lab File: BF098044.D
 Acq: 25 Aug 2017 21:42

Tgt Ion	82	Resp	728773
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

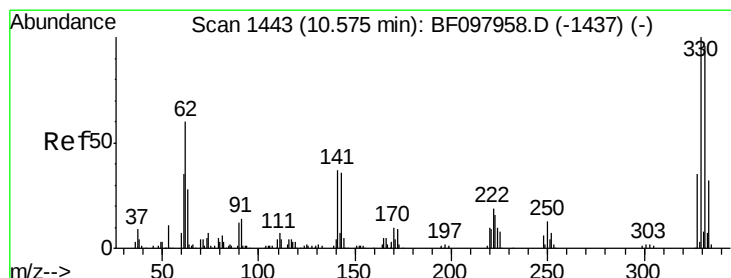
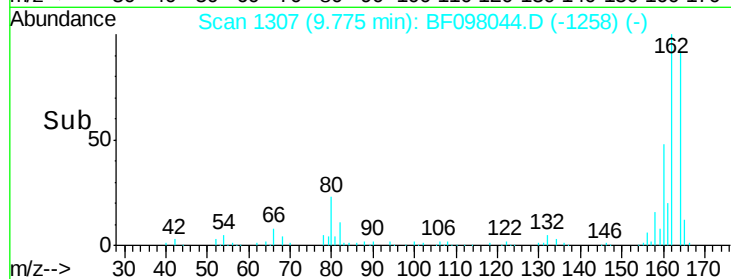
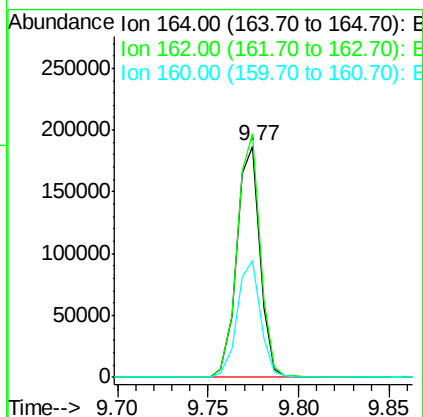
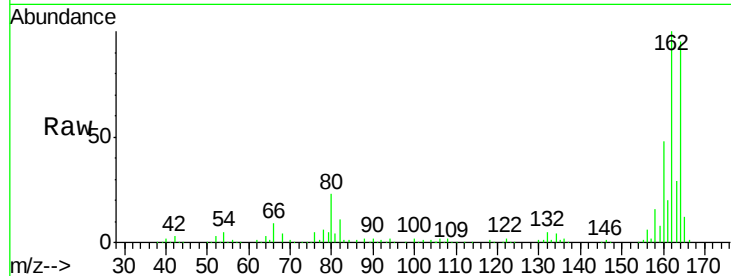




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF098044.D
 Acq: 25 Aug 2017 21:42

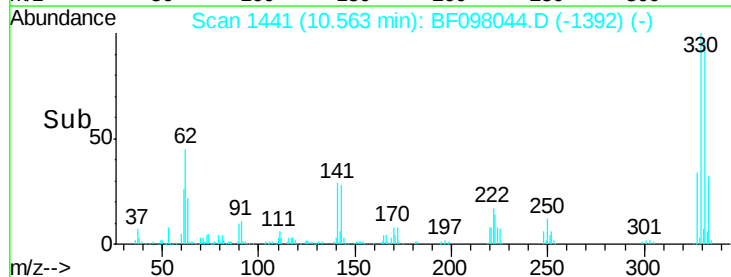
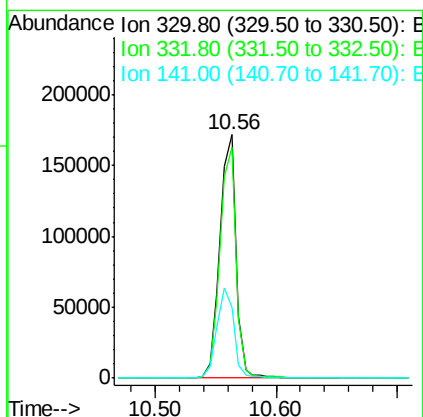
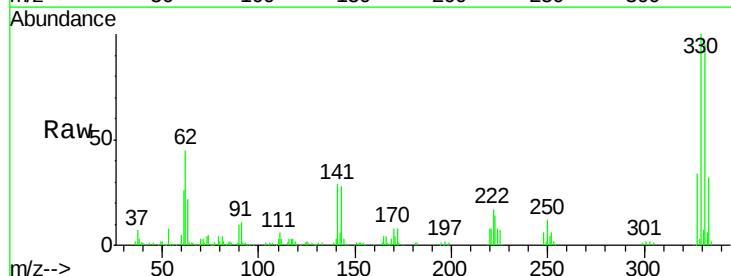
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-010-A

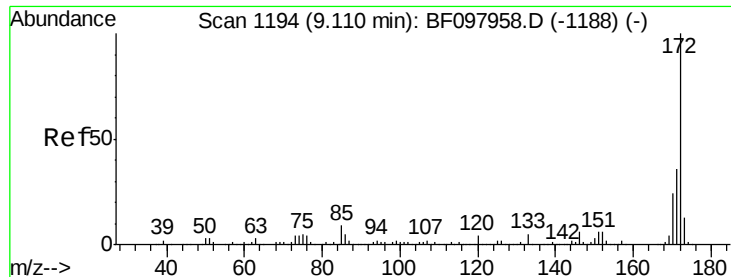
Tot Ion:164 Resp: 167469
 Ion Ratio Lower Upper
 164 100
 162 105.3 82.6 123.8
 160 50.4 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 109.19 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098044.D
 Acq: 25 Aug 2017 21:42

Tgt Ion:330 Resp: 158662
 Ion Ratio Lower Upper
 330 100
 332 94.8 76.6 115.0
 141 38.5 31.4 47.2

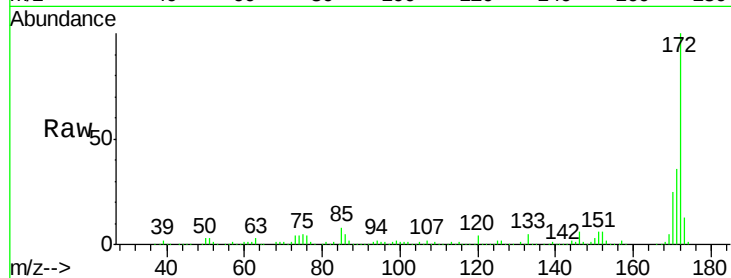




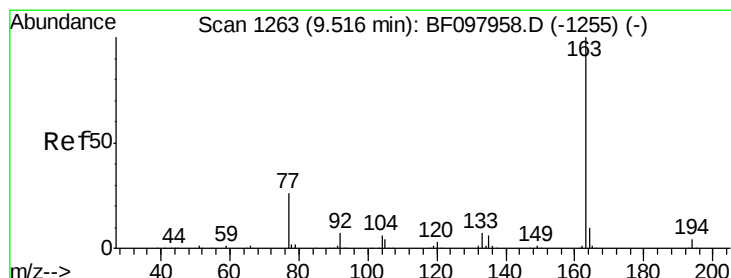
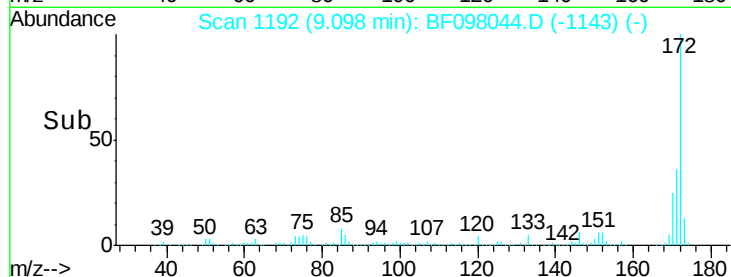
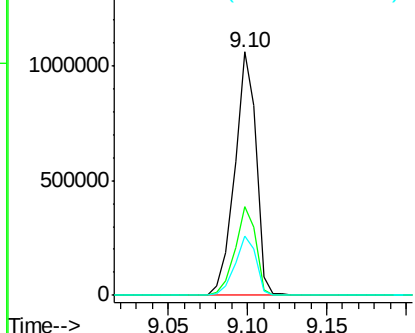
#44
 2-Fluorobiphenyl
 Concen: 86.93 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF098044.D
 Acq: 25 Aug 2017 21:42

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-010-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.5	19.8	29.8

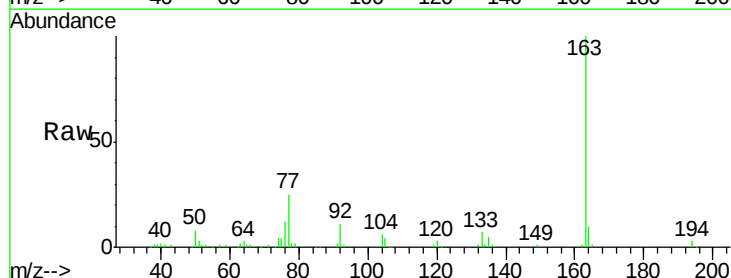


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

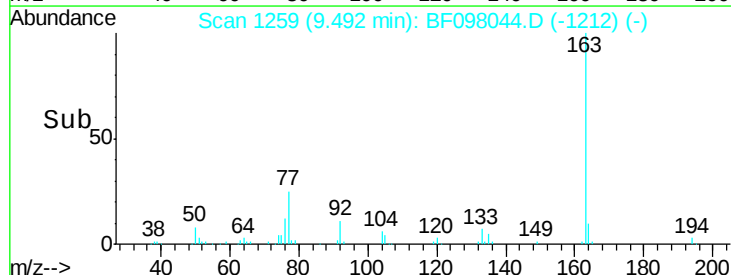
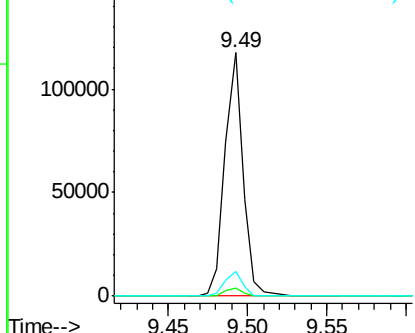


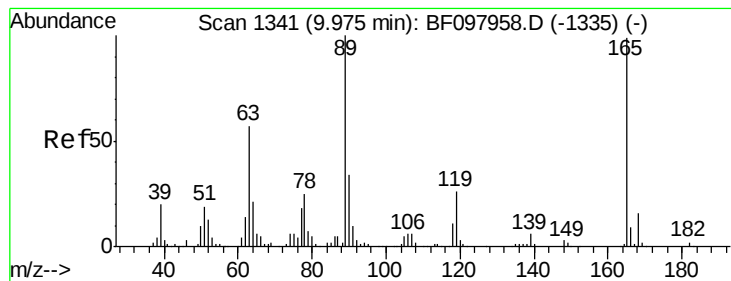
#49
 Dimethylphthalate
 Concen: 7.67 ng
 RT: 9.49 min Scan# 1259
 Delta R.T. -0.02 min
 Lab File: BF098044.D
 Acq: 25 Aug 2017 21:42

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.0	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





#56

2,4-Dinitrotoluene

Concen: 6.93 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.20 min

Lab File: BF098044.D

Acq: 25 Aug 2017 21:42

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-010-A

Tot Ion:165 Resp: 21245

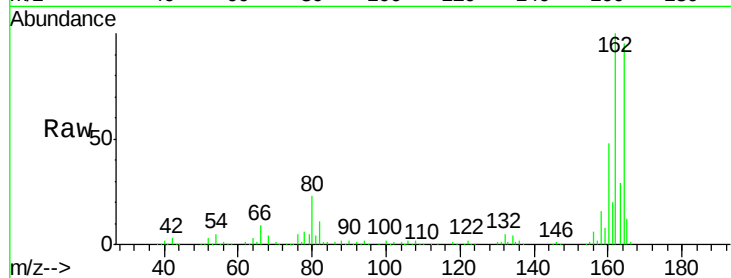
Ion Ratio Lower Upper

165 100

63 1.5 25.4 38.0#

89 2.4 46.4 69.6#

182 0.0 1.8 2.6#

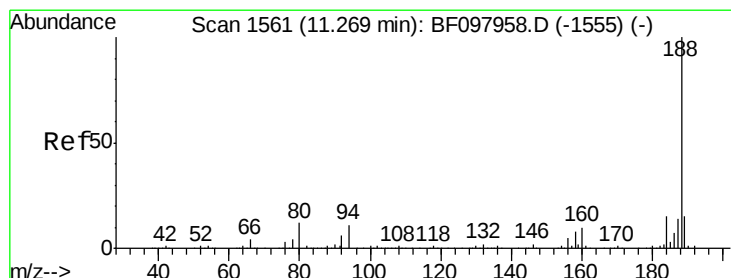
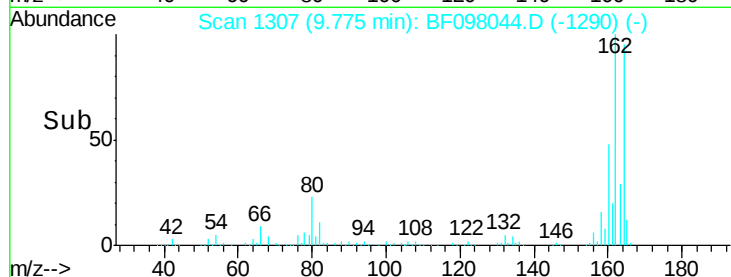
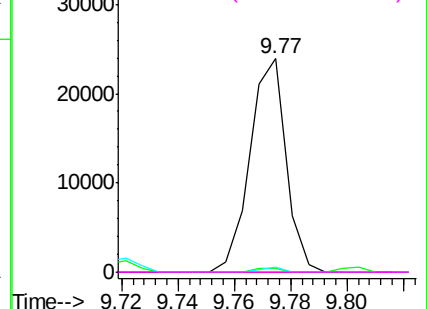


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF098044.D

Acq: 25 Aug 2017 21:42

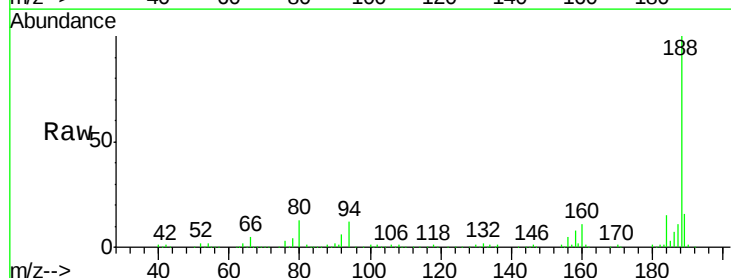
Tgt Ion:188 Resp: 254837

Ion Ratio Lower Upper

188 100

94 11.9 9.4 14.2

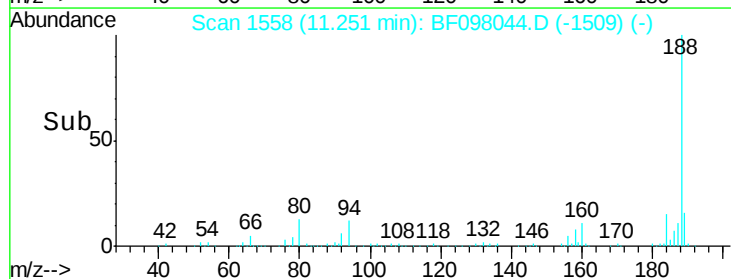
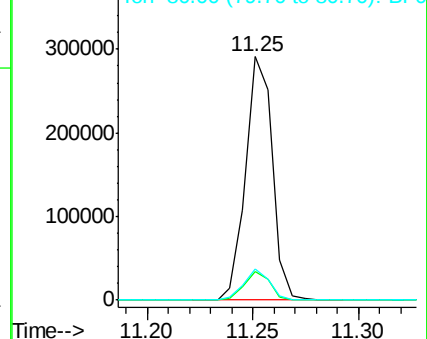
80 12.8 10.2 15.2

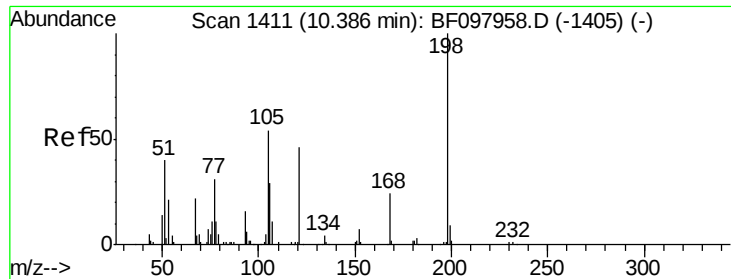


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 8.57 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.18 min

Lab File: BF098044.D

Acq: 25 Aug 2017 21:42

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-010-A

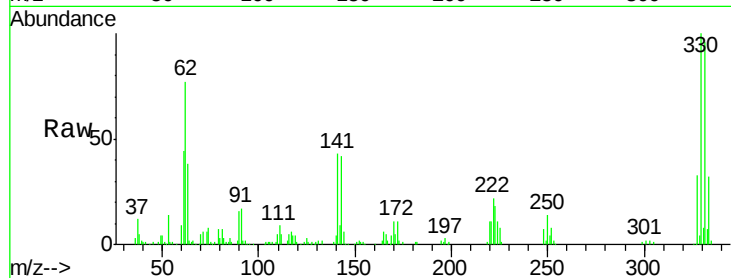
Tot Ion:198 Resp: 356

Ion Ratio Lower Upper

198 100

51 137.8 53.2 93.2#

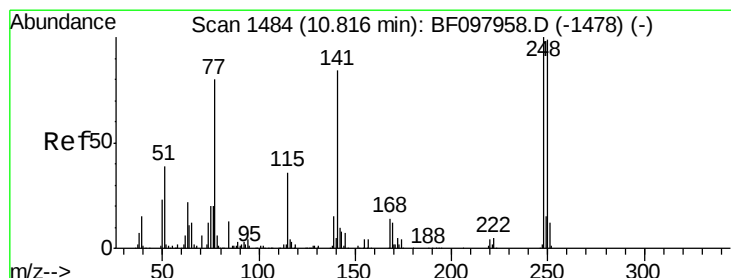
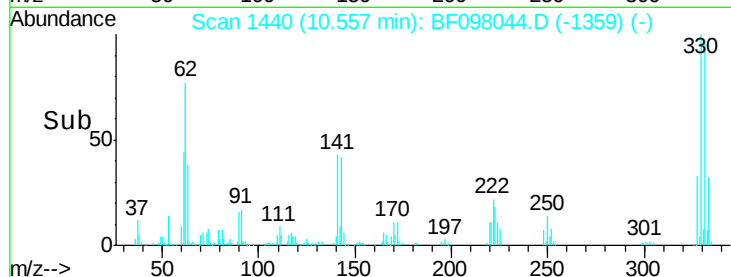
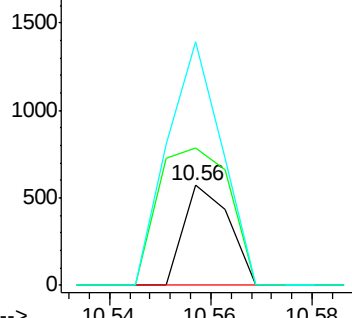
105 244.0 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.99 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.26 min

Lab File: BF098044.D

Acq: 25 Aug 2017 21:42

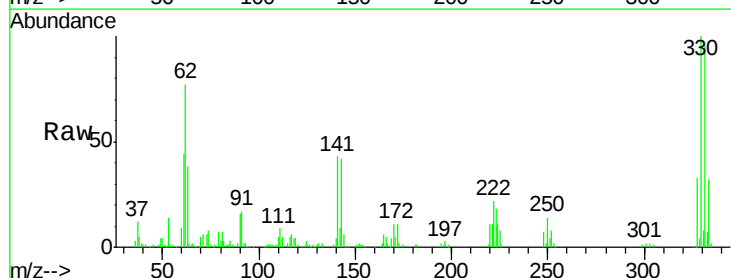
Tgt Ion:248 Resp: 10546

Ion Ratio Lower Upper

248 100

250 195.3 76.8 115.2#

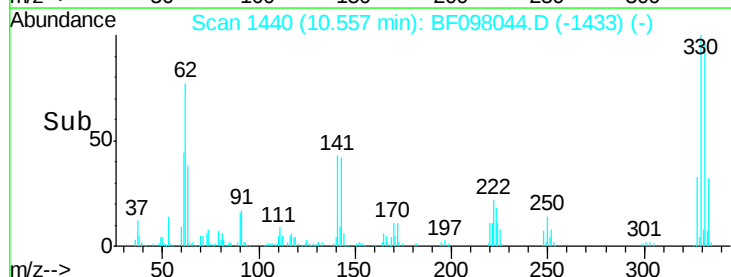
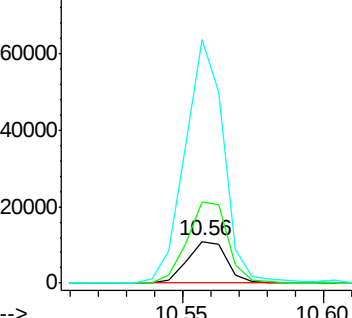
141 583.0 68.6 103.0#

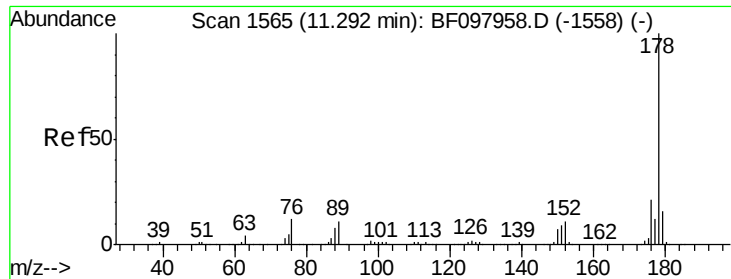


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

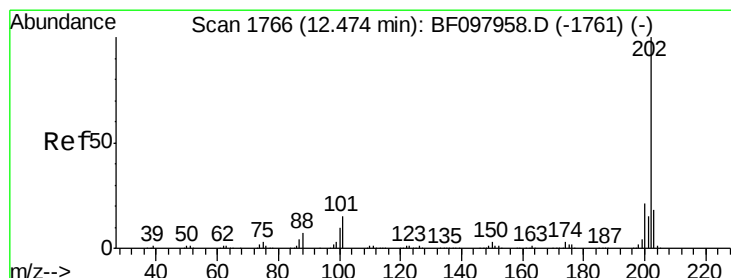
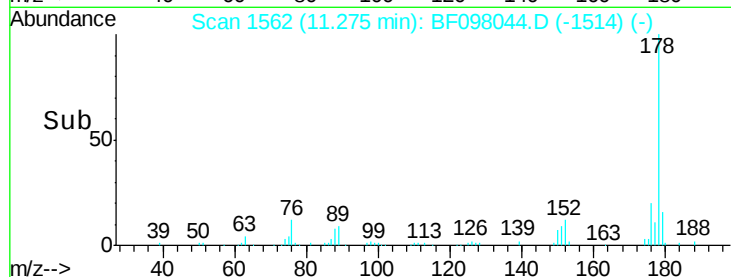
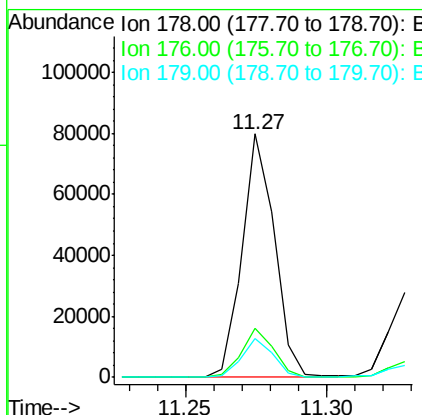
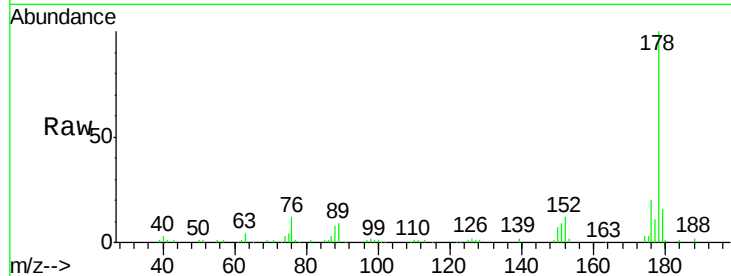




#70
Phenanthrene
Concen: 4.68 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF098044.D
Acq: 25 Aug 2017 21:42

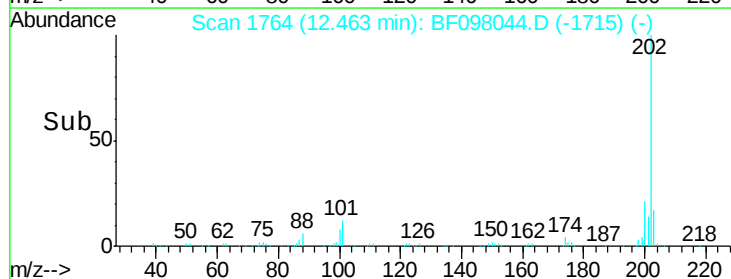
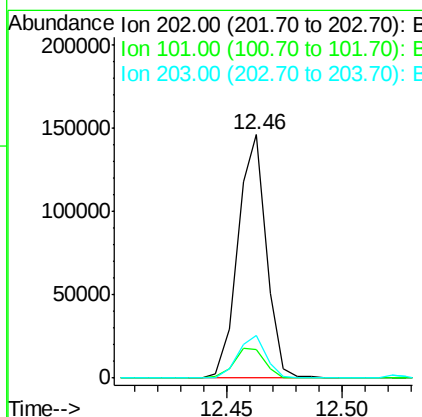
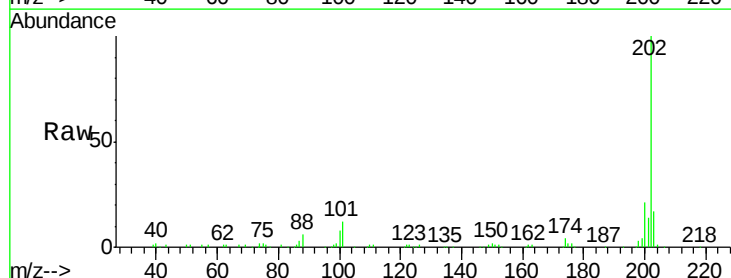
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-010-A

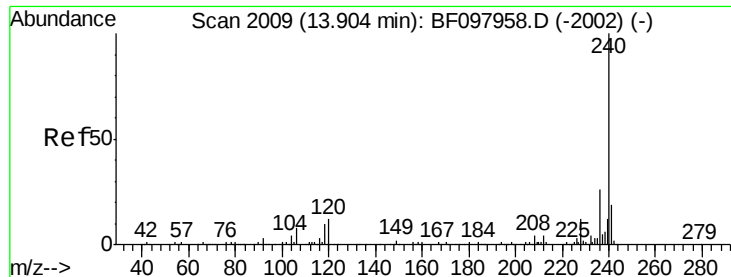
Tot Ion:178 Resp: 63557
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.4
179 15.7 12.6 19.0



#74
Fluoranthene
Concen: 8.85 ng
RT: 12.46 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF098044.D
Acq: 25 Aug 2017 21:42

Tgt Ion:202 Resp: 125475
Ion Ratio Lower Upper
202 100
101 11.8 0.0 33.2
203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF098044.D

Acq: 25 Aug 2017 21:42

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-010-A

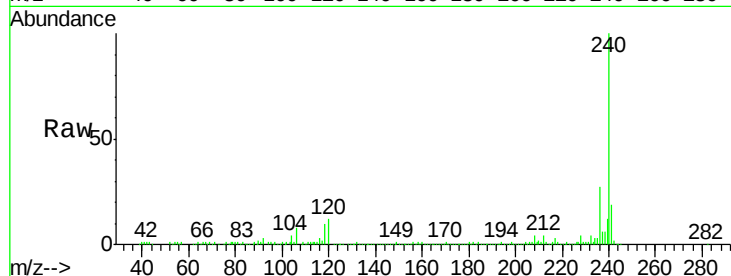
Tot Ion:240 Resp: 239905

Ion Ratio Lower Upper

240 100

120 11.7 5.8 8.8#

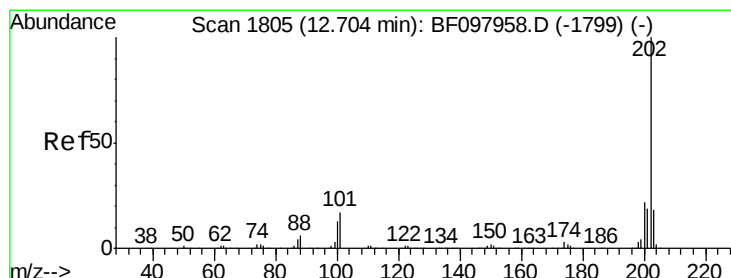
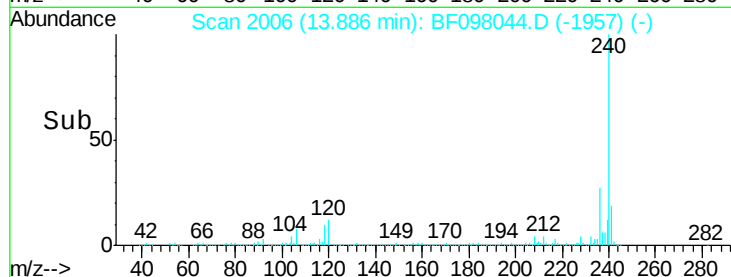
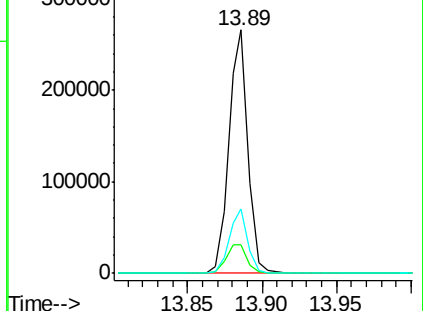
236 26.5 20.5 30.7



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



#77

Pyrene

Concen: 5.60 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.02 min

Lab File: BF098044.D

Acq: 25 Aug 2017 21:42

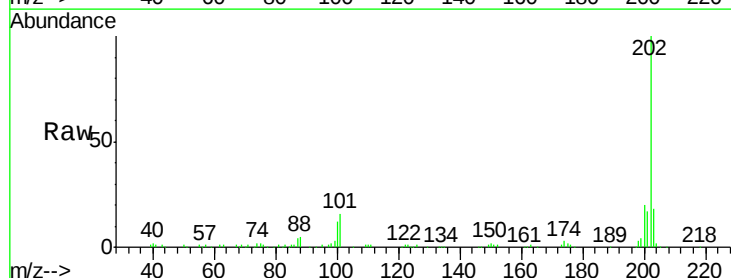
Tgt Ion:202 Resp: 109829

Ion Ratio Lower Upper

202 100

200 20.1 17.6 26.4

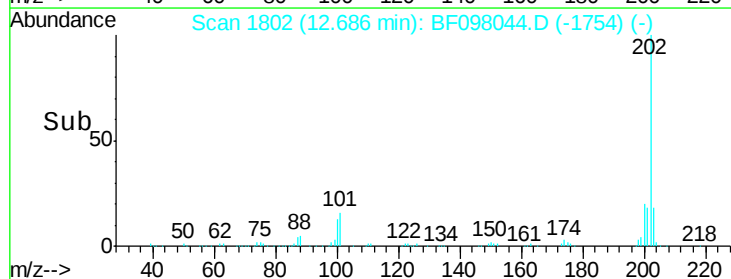
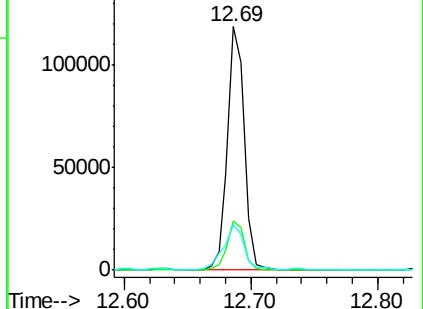
203 18.4 14.4 21.6

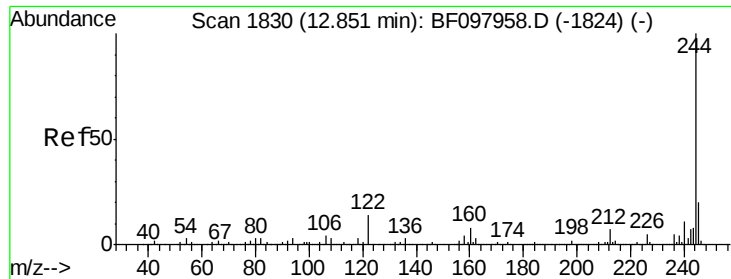


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

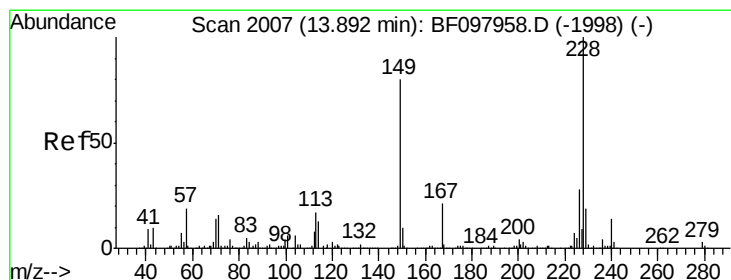
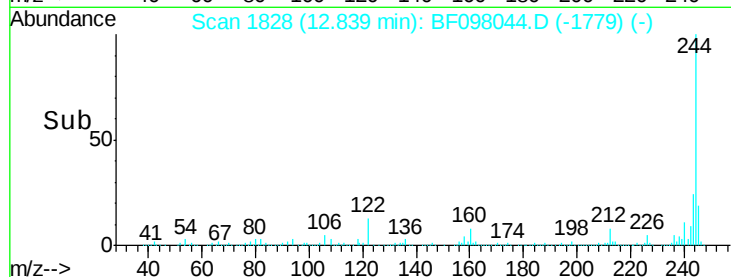
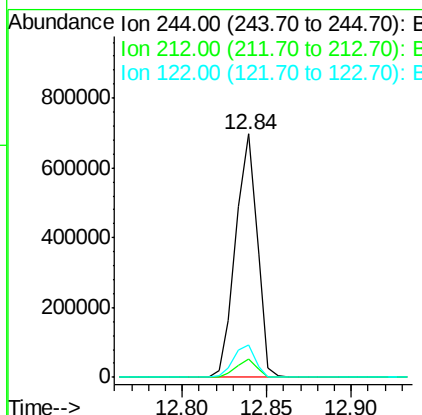
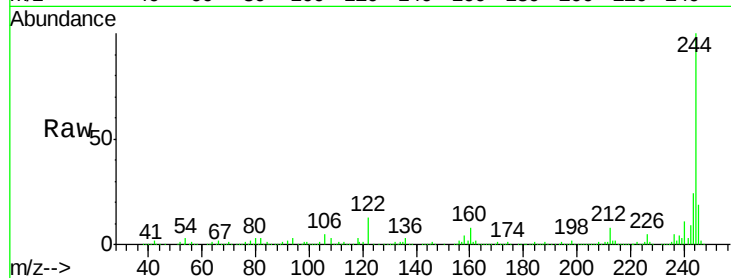




#78
 Terphenyl-d14
 Concen: 53.99 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF098044.D
 Acq: 25 Aug 2017 21:42

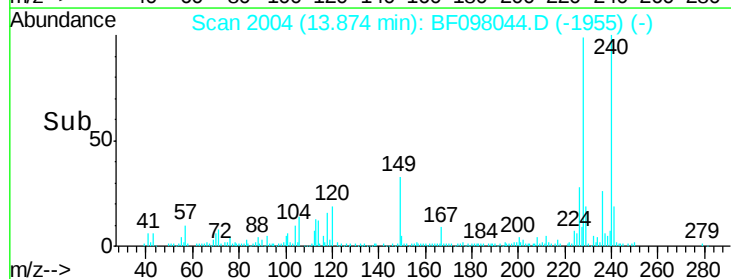
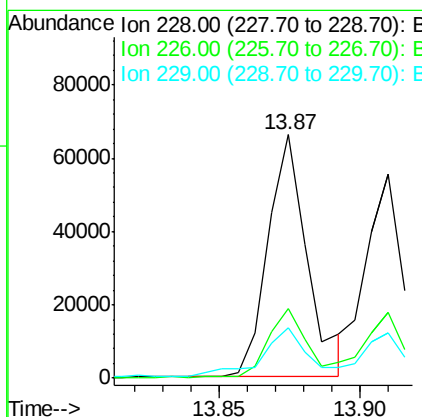
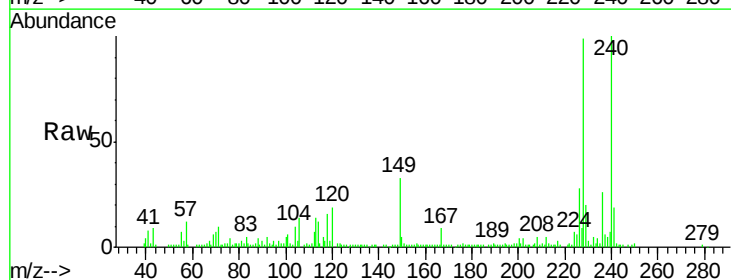
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-010-A

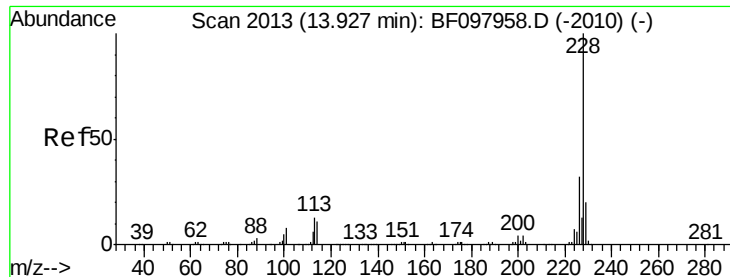
Tot Ion:244 Resp: 621146
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 13.1 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 4.43 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BF098044.D
 Acq: 25 Aug 2017 21:42

Tgt Ion:228 Resp: 63761
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.6 33.8
 229 20.6 16.3 24.5





#82

Chrysene

Concen: 3.47 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.02 min

Lab File: BF098044.D

Acq: 25 Aug 2017 21:42

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-010-A

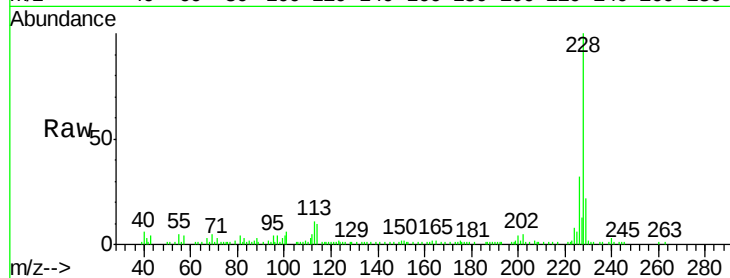
Tot Ion:228 Resp: 49611

Ion Ratio Lower Upper

228 100

226 32.3 24.9 37.3

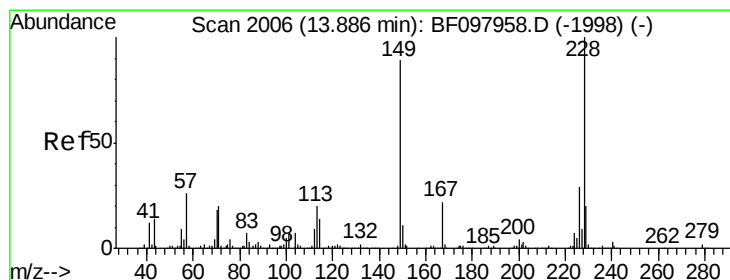
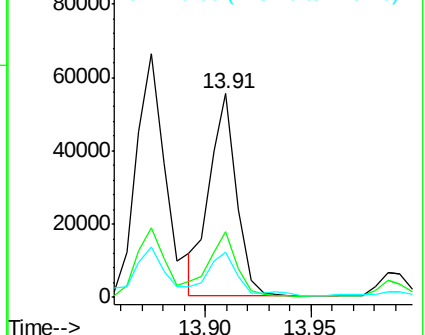
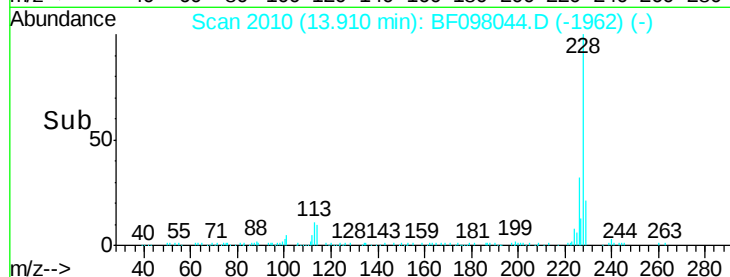
229 22.2 15.8 23.6



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.07 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF098044.D

Acq: 25 Aug 2017 21:42

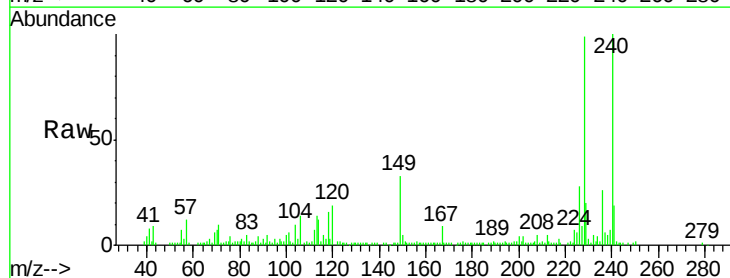
Tgt Ion:149 Resp: 17228

Ion Ratio Lower Upper

149 100

167 27.7 21.0 31.4

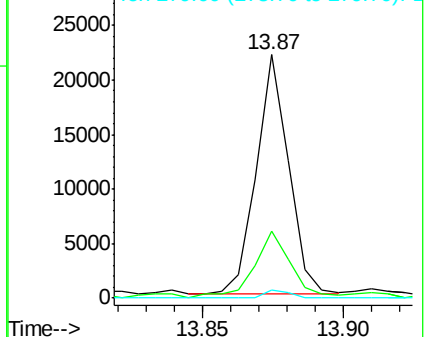
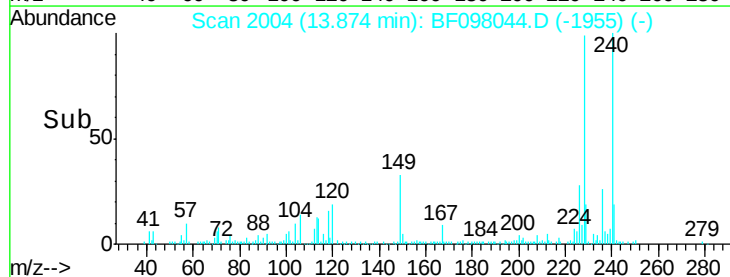
279 3.6 1.9 2.9#

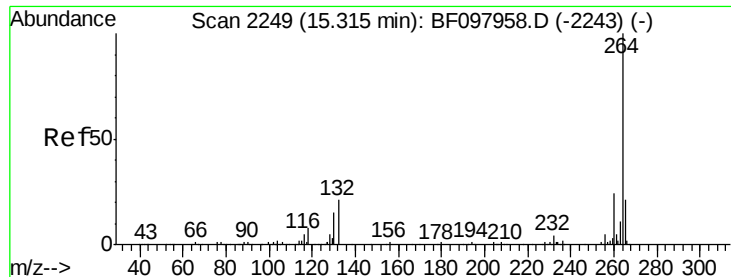


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

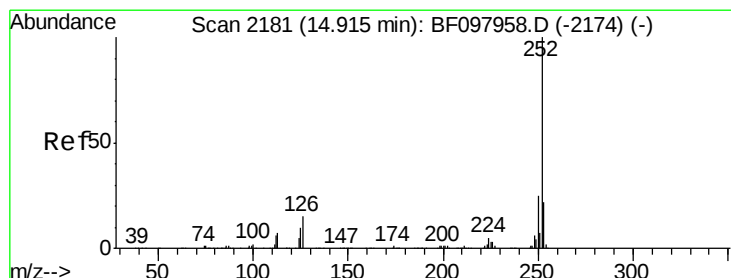
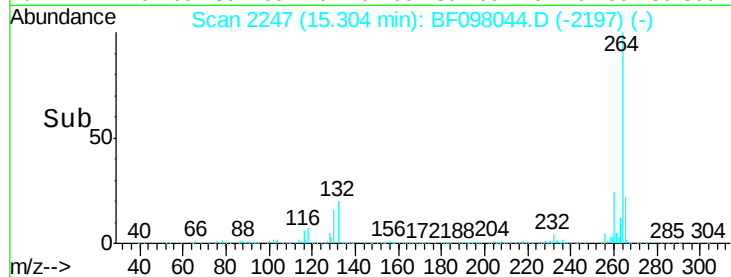
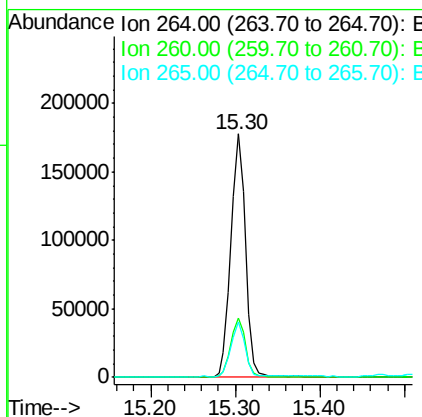
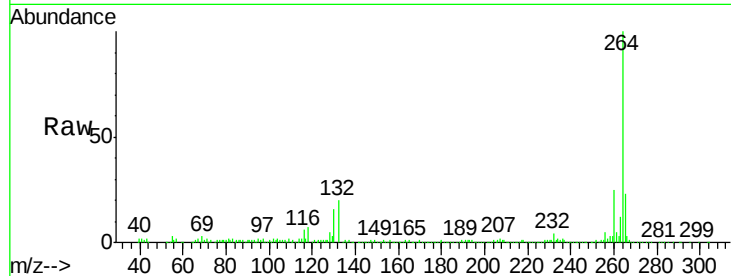




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF098044.D
Acq: 25 Aug 2017 21:42

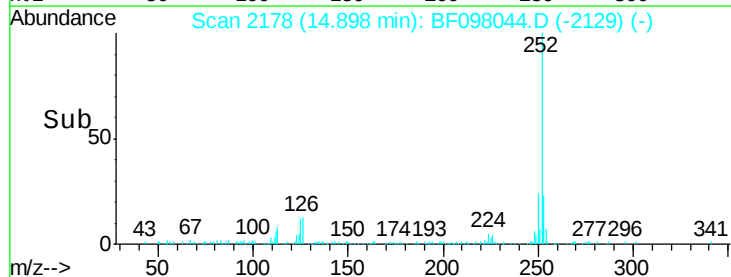
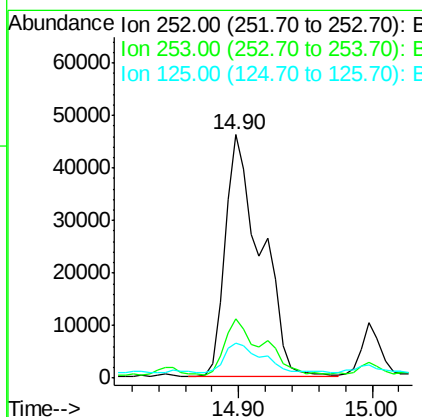
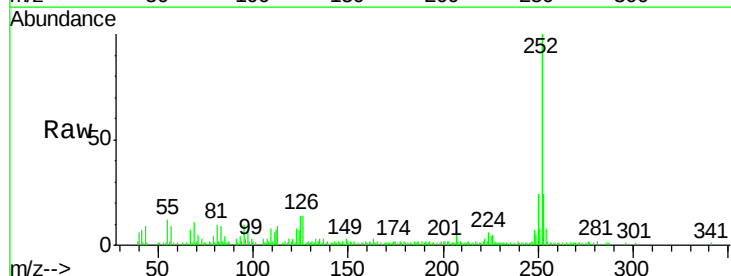
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-010-A

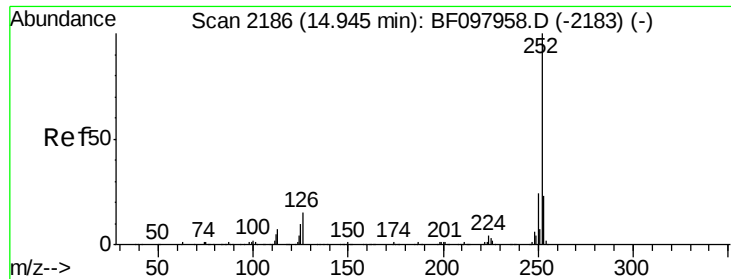
Tot Ion:264 Resp: 212848
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 22.5 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 6.32 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF098044.D
Acq: 25 Aug 2017 21:42

Tgt Ion:252 Resp: 84846
Ion Ratio Lower Upper
252 100
253 24.1 18.1 27.1
125 14.2 9.8 14.8

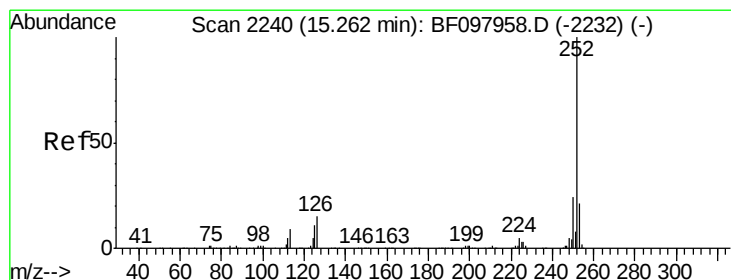
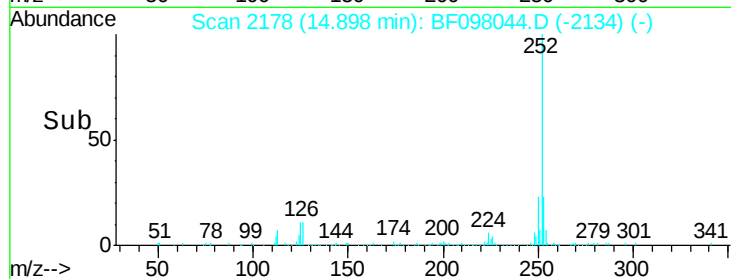
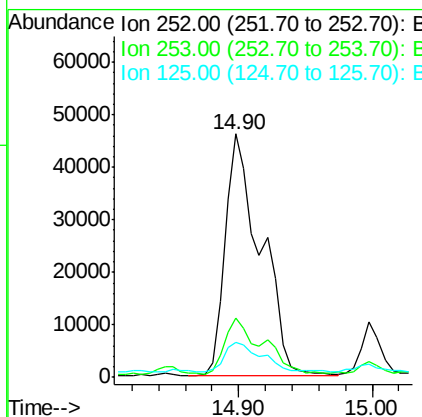
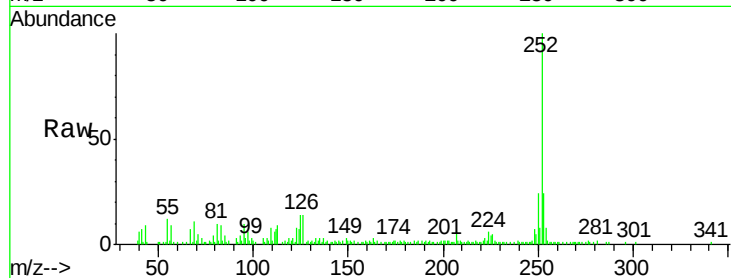




#88
Benzo(k)fluoranthene
Concen: 6.73 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.04 min
Lab File: BF098044.D
Acq: 25 Aug 2017 21:42

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-010-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	14.2	13.1	19.7



#89
Benzo(a)pyrene
Concen: 3.61 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF098044.D
Acq: 25 Aug 2017 21:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	14.3	11.0	16.4

