

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063017\
 Data File : BF096335.D
 Acq On : 30 Jun 2017 14:16
 Operator : SJ/MA
 Sample : I3883-11 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G53-0-1.5

Quant Time: Jun 30 17:43:06 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

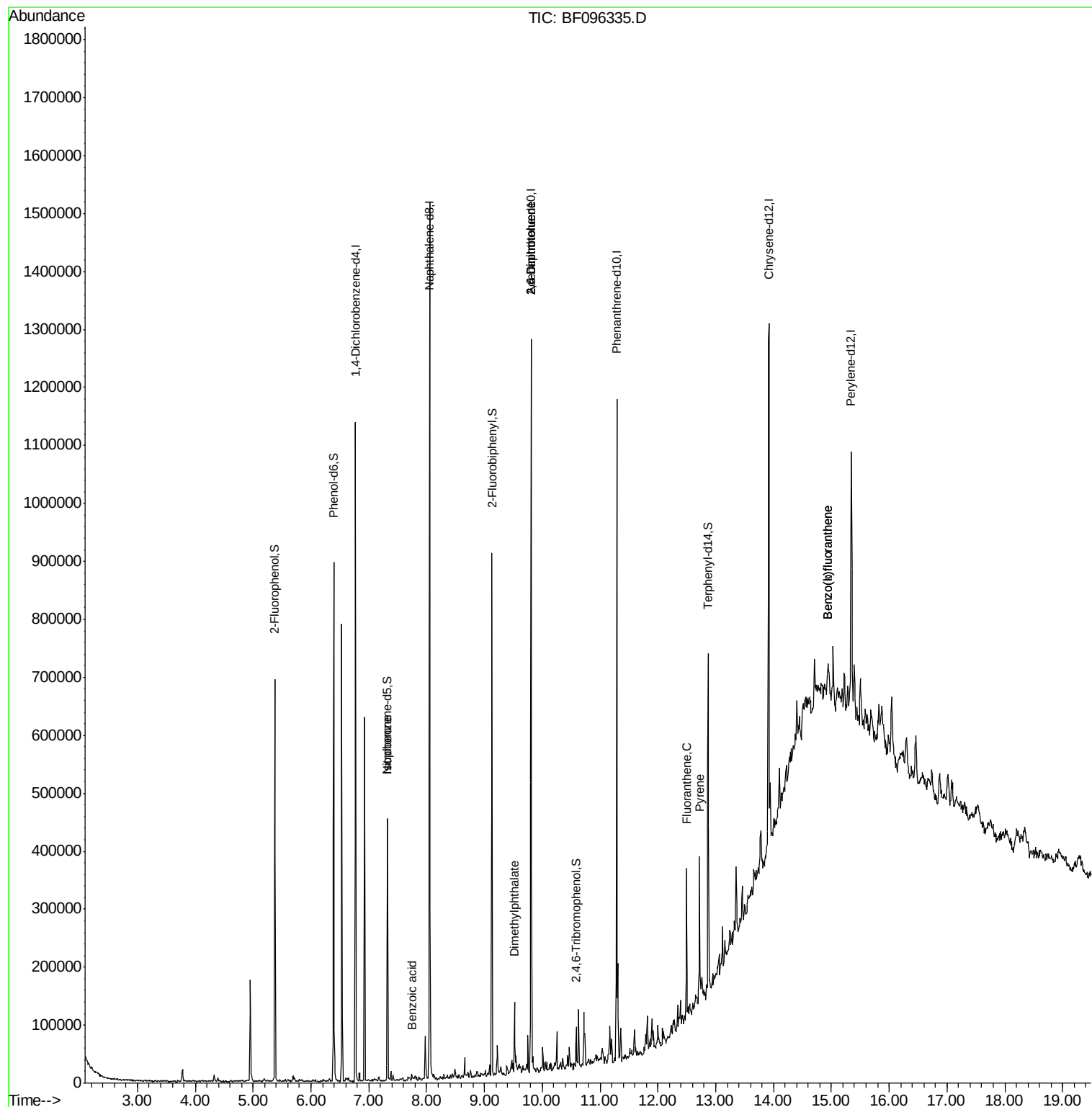
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	163950	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	671481	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	254707	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	365954	20.00	ng	0.00
75) Chrysene-d12	13.92	240	309570	20.00	ng	0.00
86) Perylene-d12	15.34	264	217695	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	170336	14.97	ng	0.00
7) Phenol-d6	6.39	99	243634	17.68	ng	0.00
23) Nitrobenzene-d5	7.32	82	128520	13.25	ng	-0.04
41) 2,4,6-Tribromophenol	10.59	330	5765	2.88	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	239673	17.23	ng	-0.02
78) Terphenyl-d14	12.87	244	159151	12.83	ng	0.00
Target Compounds						
9) Benzaldehyde	6.32	77	647	Below Cal		Qvalue # 59
25) Isophorone	7.32	82	128518	5.834 ng	#	67
32) Benzoic acid	7.75	122	2325	9.056 ng	#	85
49) Dimethylphthalate	9.52	163	39926	2.190 ng		98
50) 2,6-Dinitrotoluene	9.80	165	33710	8.891 ng	#	34
56) 2,4-Dinitrotoluene	9.80	165	33710	7.054 ng	#	33
57) Fluorene	10.35	166	3912	Below Cal	#	94
70) Phenanthrene	11.31	178	52294	Below Cal		99
74) Fluoranthene	12.50	202	99525	4.896 ng		96
77) Pyrene	12.72	202	91928	3.613 ng		99
87) Benzo(b)fluoranthene	14.94	252	46726	3.267 ng	#	68
88) Benzo(k)fluoranthene	14.94	252	46726	3.579 ng	#	71

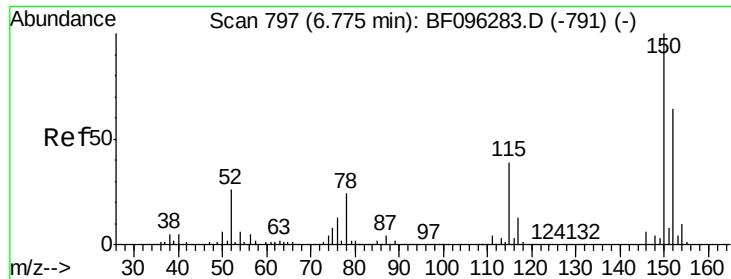
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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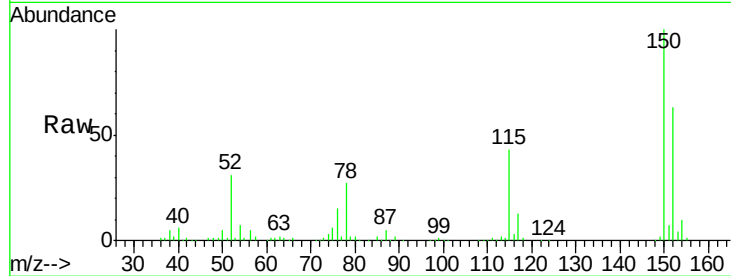


#1

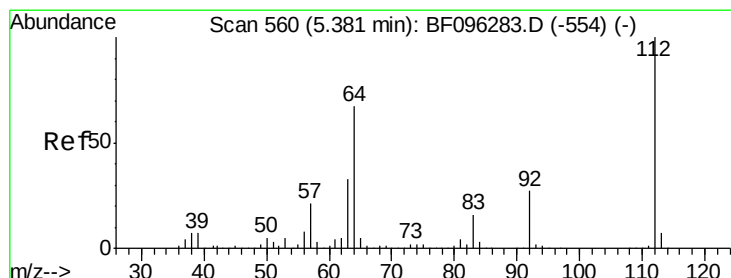
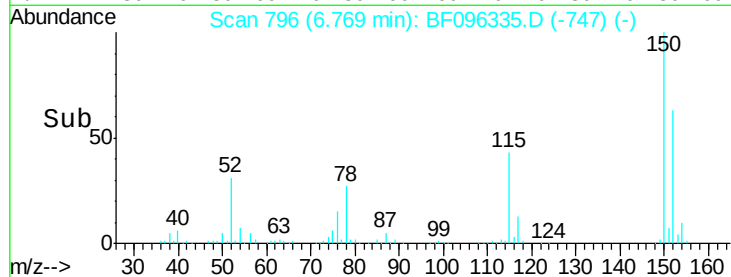
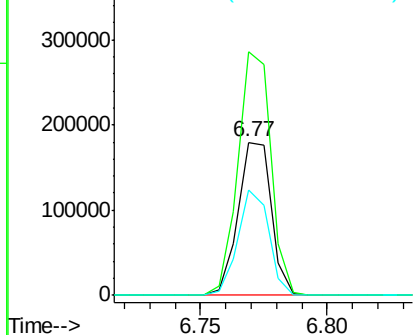
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF096335.D
Acq: 30 Jun 2017 14:16

Instrument :
BNA_F
ClientSampleId :
G53-0-1.5

Tgt Ion:152 Resp: 163950
Ion Ratio Lower Upper
152 100
150 159.3 126.2 189.2
115 68.9 52.2 78.2



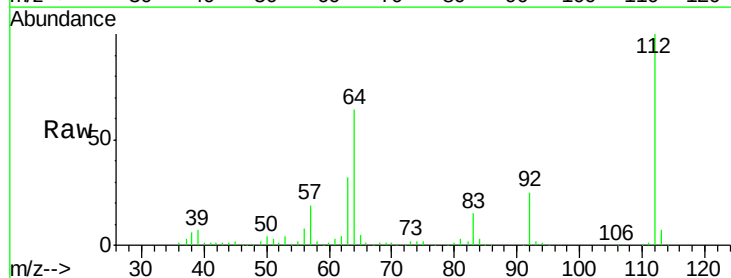
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



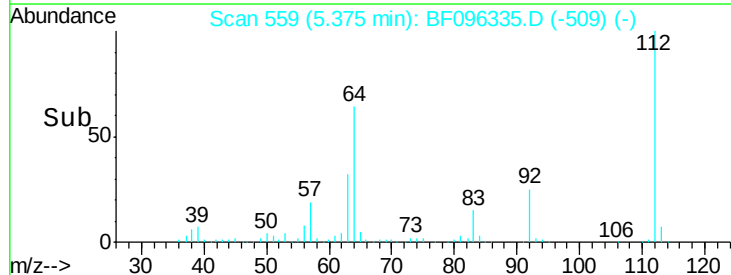
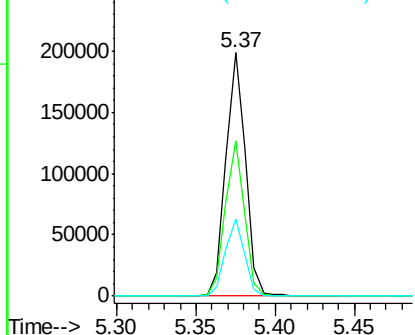
#5

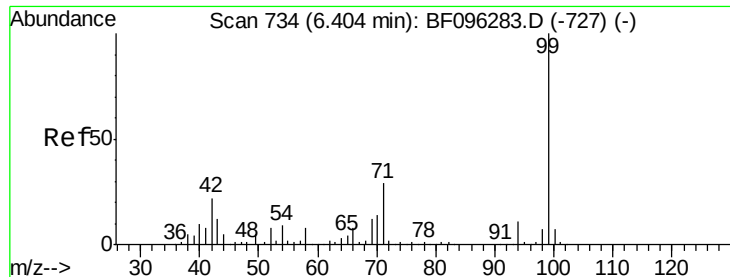
2-Fluorophenol
Concen: 14.968 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF096335.D
Acq: 30 Jun 2017 14:16

Tgt Ion:112 Resp: 170336
Ion Ratio Lower Upper
112 100
64 63.9 46.0 69.0
63 31.7 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: 17.681 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096335.D

Acq: 30 Jun 2017 14:16

Instrument :

BNA_F

ClientSampleId :

G53-0-1.5

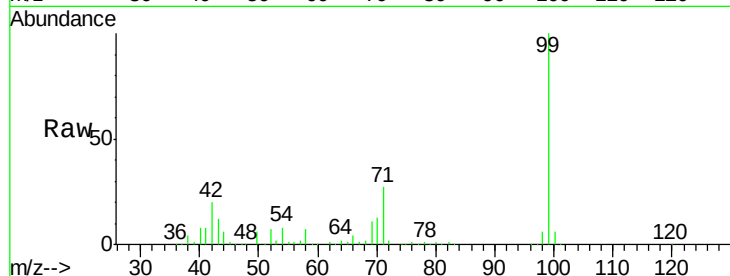
Tgt Ion: 99 Resp: 243634

Ion Ratio Lower Upper

99 100

42 20.2 13.5 20.3

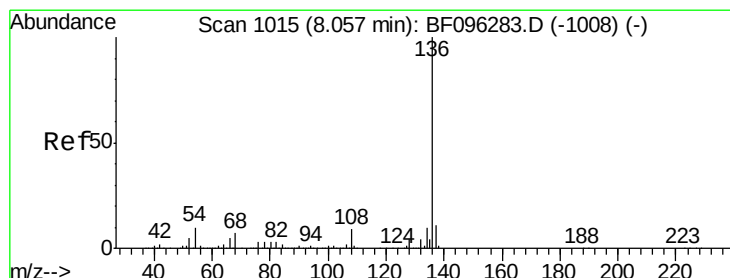
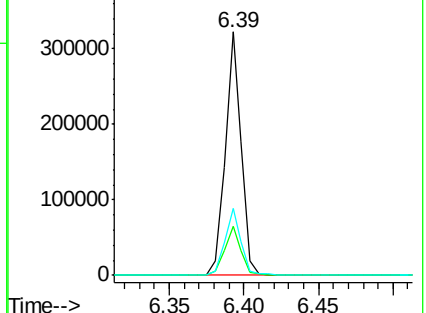
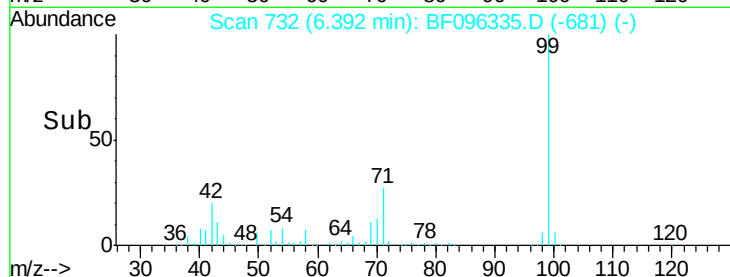
71 27.4 24.5 36.7



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: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF096335.D

Acq: 30 Jun 2017 14:16

Tgt Ion: 136 Resp: 671481

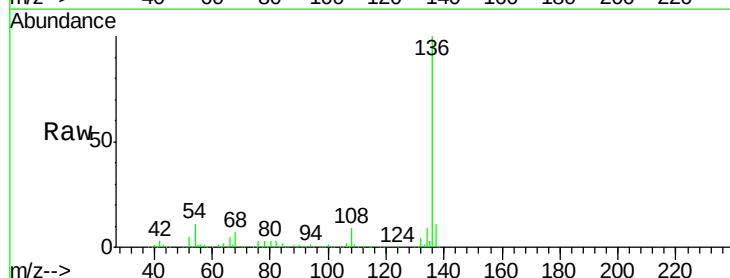
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 11.3 4.9 7.3#

68 7.0 4.1 6.1#

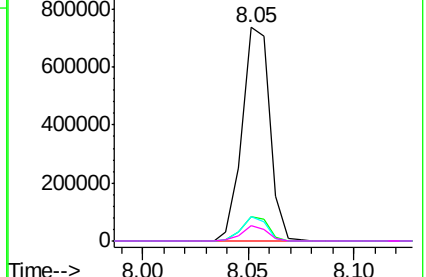
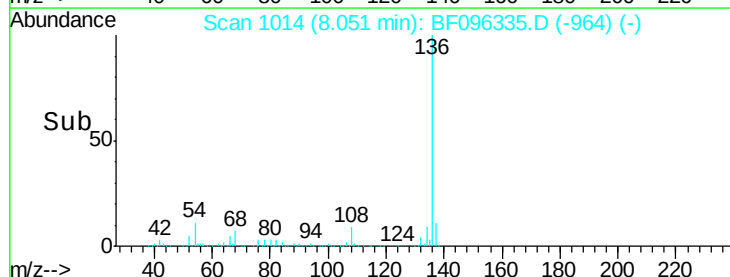


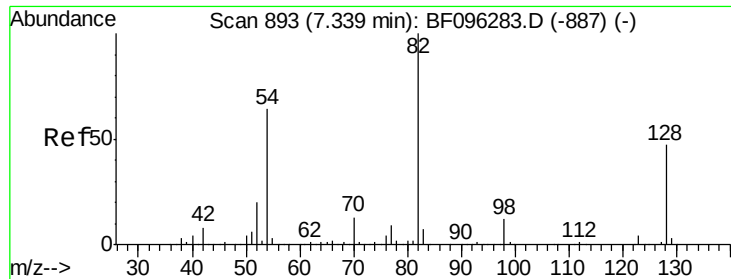
Abundance Ion 136.00 (135.70 to 136.70): E

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

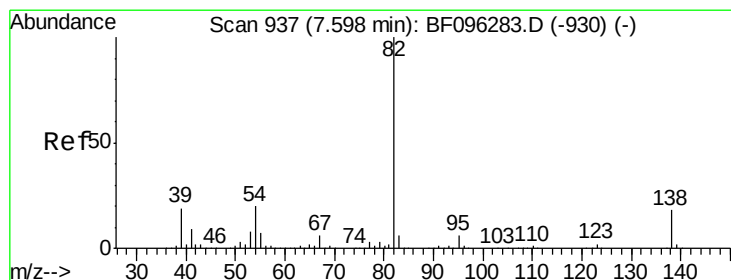
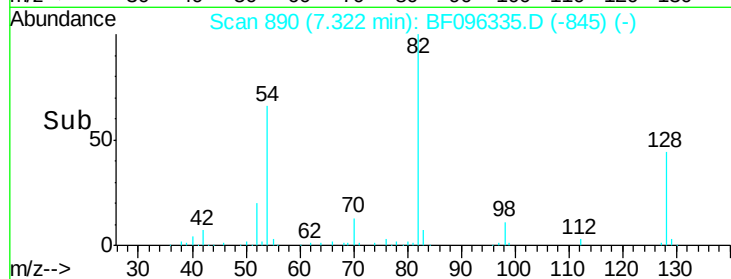
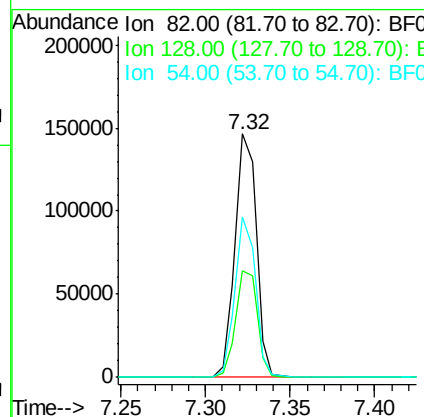
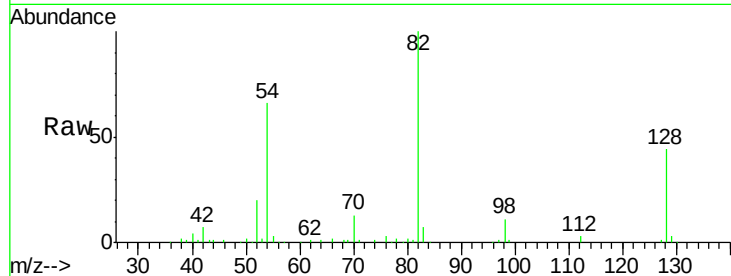




#23
 Nitrobenzene-d5
 Concen: 13.250 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.04 min
 Lab File: BF096335.D
 Acq: 30 Jun 2017 14:16

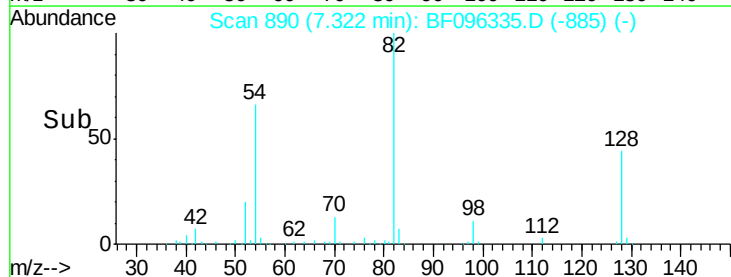
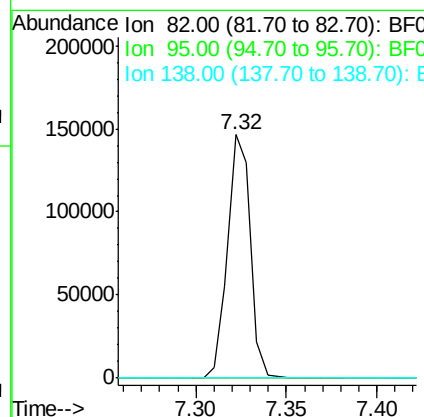
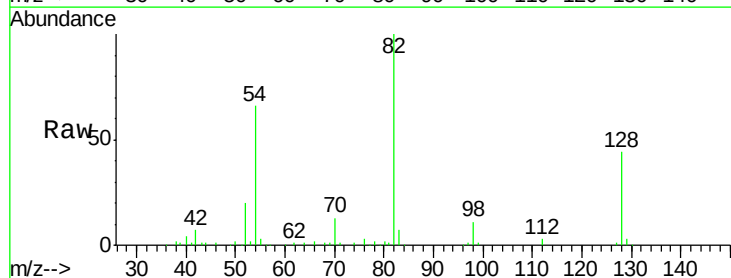
Instrument :
 BNA_F
 ClientSampleId :
 G53-0-1.5

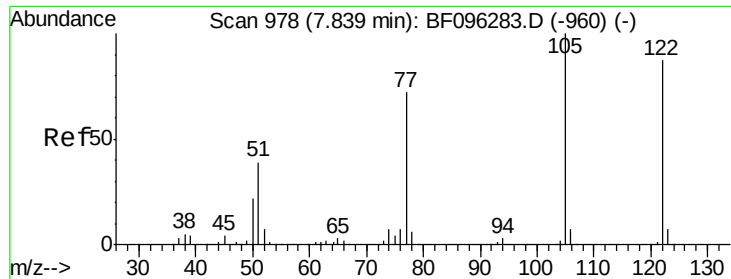
Tgt Ion: 82 Resp: 128520
 Ion Ratio Lower Upper
 82 100
 128 43.8 34.0 51.0
 54 66.0 42.2 63.2#



#25
 Isophorone
 Concen: 5.834 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.27 min
 Lab File: BF096335.D
 Acq: 30 Jun 2017 14:16

Tgt Ion: 82 Resp: 128518
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#





#32

Benzoic acid

Concen: 9.056 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.14 min

Lab File: BF096335.D

Acq: 30 Jun 2017 14:16

Instrument :

BNA_F

ClientSampleId :

G53-0-1.5

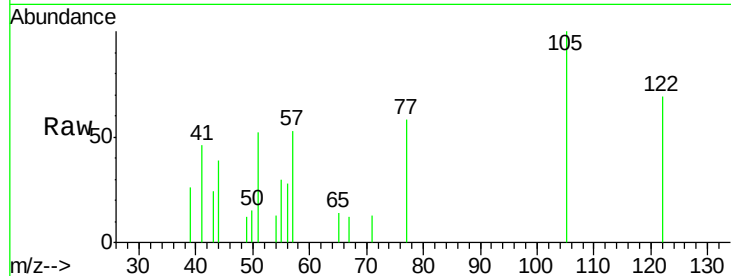
Tgt Ion:122 Resp: 2325

Ion Ratio Lower Upper

122 100

105 145.2 103.3 143.3#

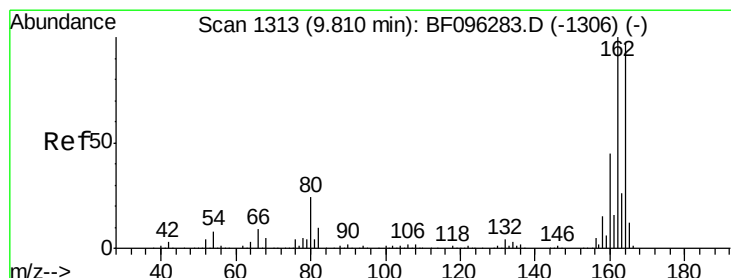
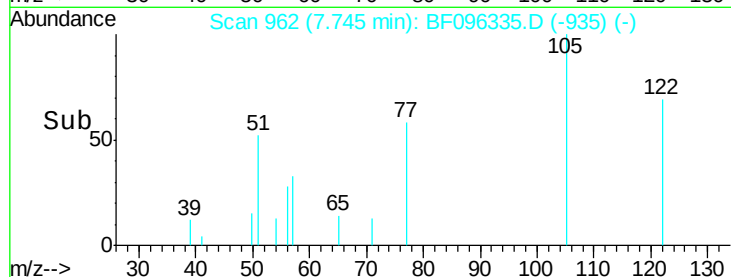
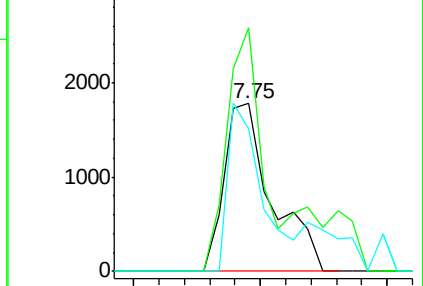
77 84.7 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF096335.D

Acq: 30 Jun 2017 14:16

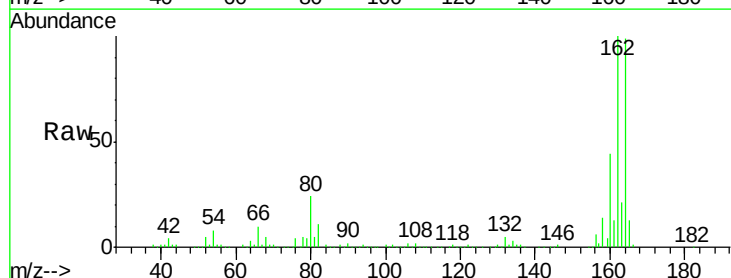
Tgt Ion:164 Resp: 254707

Ion Ratio Lower Upper

164 100

162 101.3 82.6 123.8

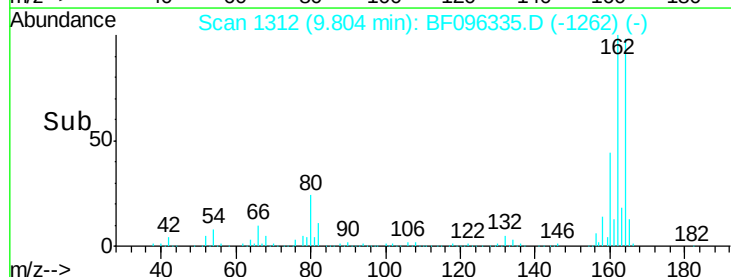
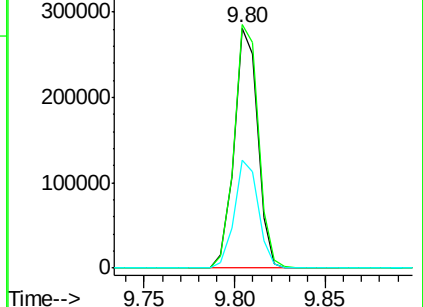
160 44.7 36.2 54.2

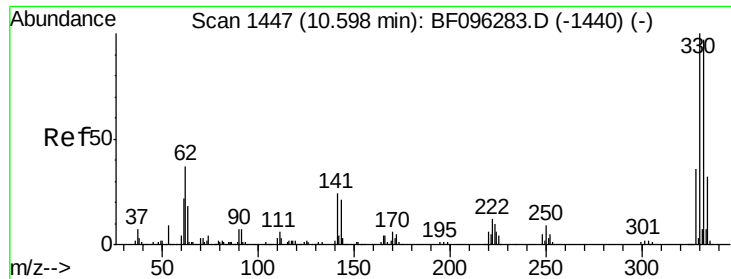


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

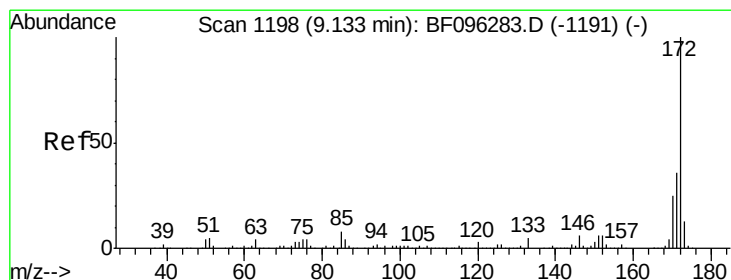
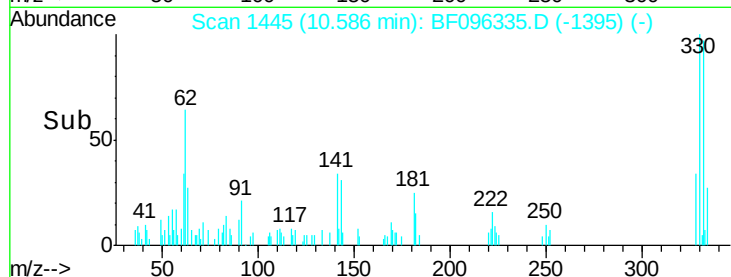
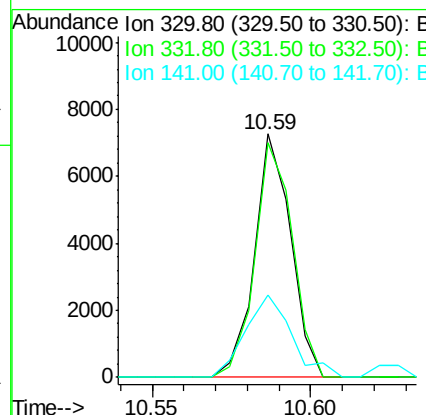
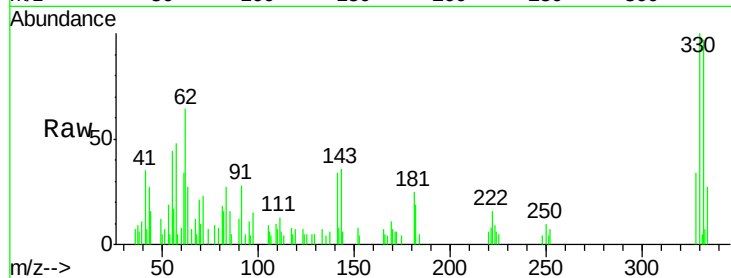




#41
 2,4,6-Tribromophenol
 Concen: 2.876 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF096335.D
 Acq: 30 Jun 2017 14:16

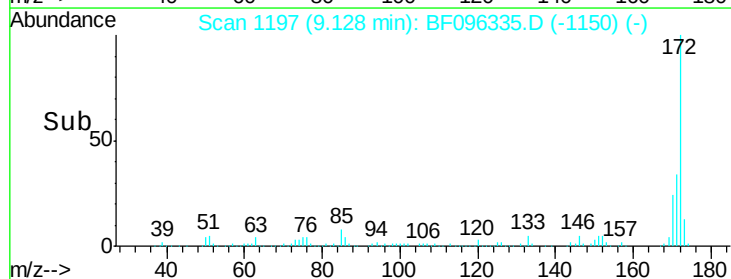
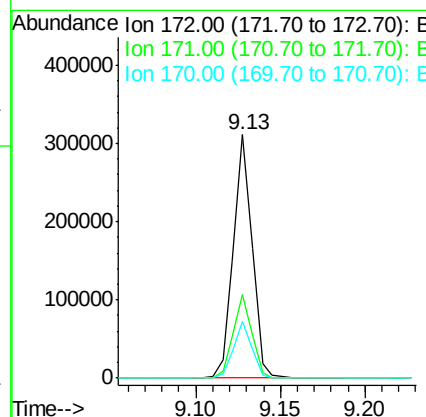
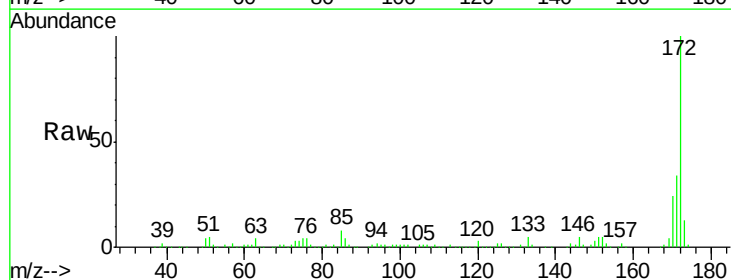
Instrument :
 BNA_F
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 G53-0-1.5

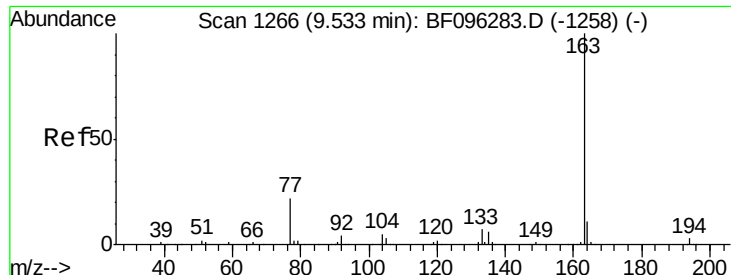
Tgt Ion: 330 Resp: 5765
 Ion Ratio Lower Upper
 330 100
 332 100.1 76.6 115.0
 141 43.0 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 17.233 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF096335.D
 Acq: 30 Jun 2017 14:16

Tgt Ion: 172 Resp: 239673
 Ion Ratio Lower Upper
 172 100
 171 34.3 29.6 44.4
 170 23.5 19.8 29.8

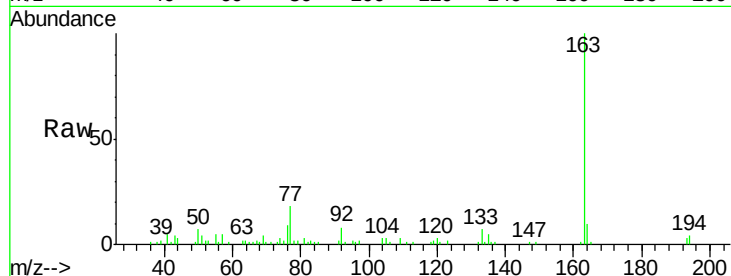




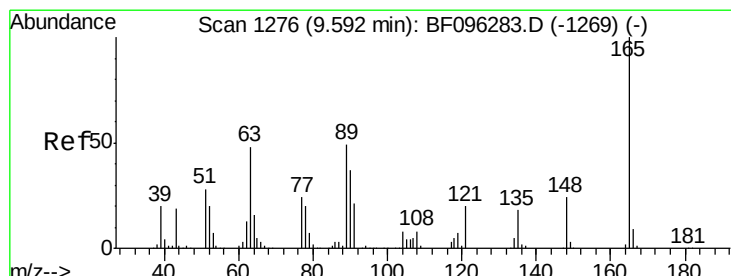
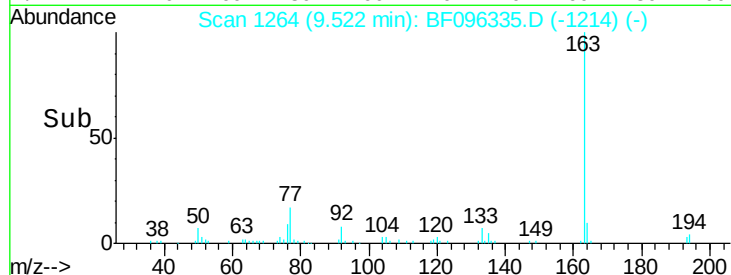
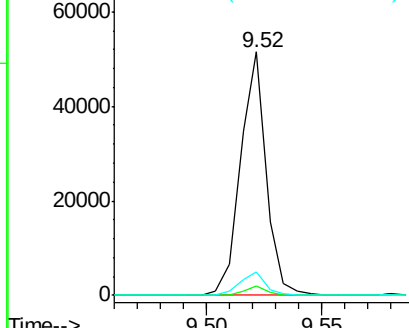
#49
Dimethylphthalate
Concen: 2.190 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF096335.D
Acq: 30 Jun 2017 14:16

Instrument :
BNA_F
ClientSampleId :
G53-0-1.5

Tgt Ion:163 Resp: 39926
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 9.7 8.4 12.6

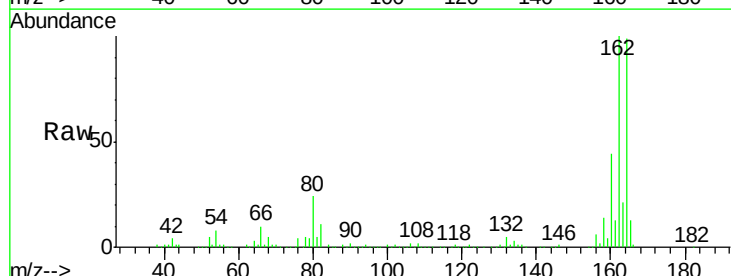


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

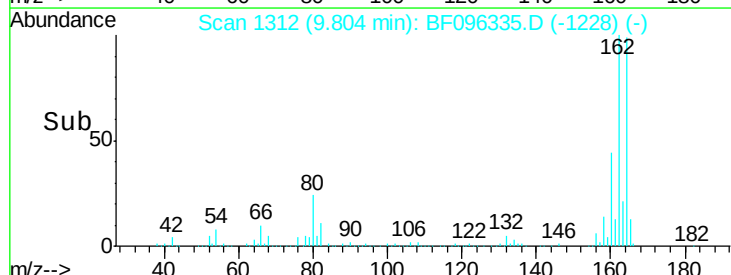
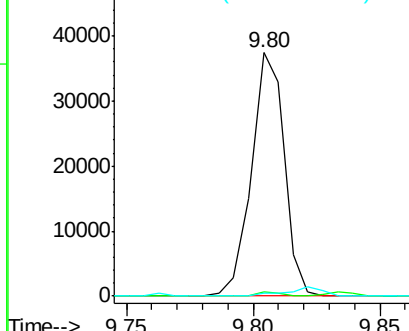


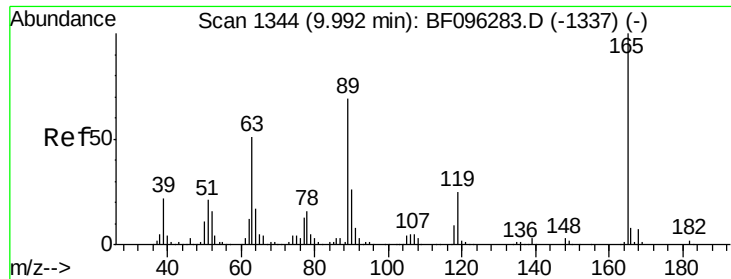
#50
2,6-Dinitrotoluene
Concen: 8.891 ng
RT: 9.80 min Scan# 1312
Delta R.T. 0.19 min
Lab File: BF096335.D
Acq: 30 Jun 2017 14:16

Tgt Ion:165 Resp: 33710
Ion Ratio Lower Upper
165 100
63 1.8 34.3 51.5#
89 1.4 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: 7.054 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.21 min

Lab File: BF096335.D

Acq: 30 Jun 2017 14:16

Instrument :

BNA_F

ClientSampleId :

G53-0-1.5

Tgt Ion:165 Resp: 33710

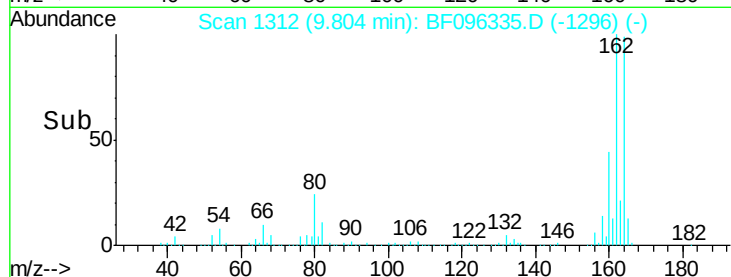
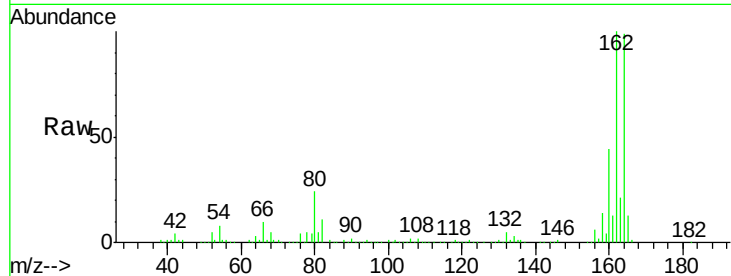
Ion Ratio Lower Upper

165 100

63 1.8 25.4 38.0#

89 1.4 46.4 69.6#

182 0.9 1.8 2.6#

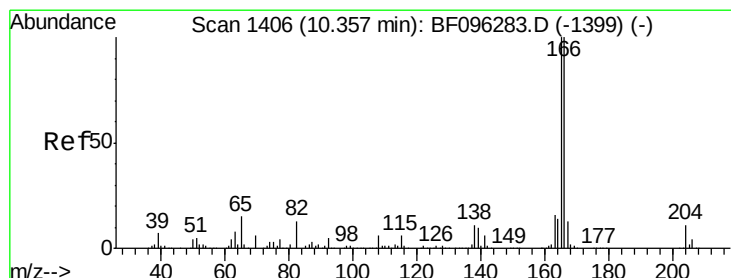
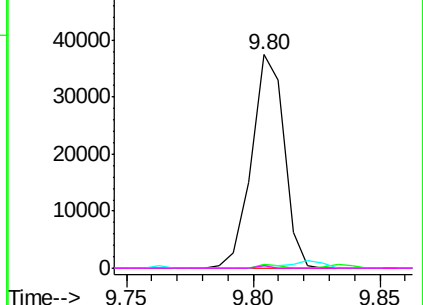


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: Below Cal

RT: 10.35 min Scan# 1405

Delta R.T. -0.02 min

Lab File: BF096335.D

Acq: 30 Jun 2017 14:16

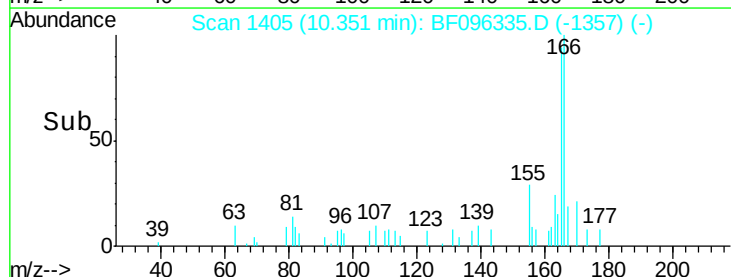
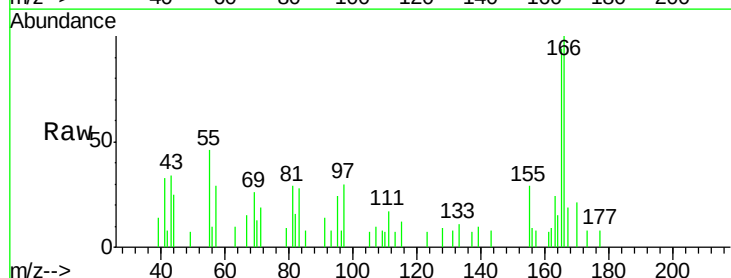
Tgt Ion:166 Resp: 3912

Ion Ratio Lower Upper

166 100

165 94.1 78.8 118.2

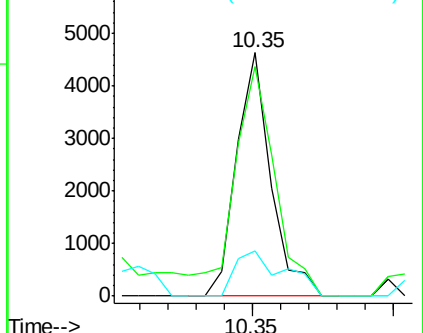
167 18.6 10.6 16.0#

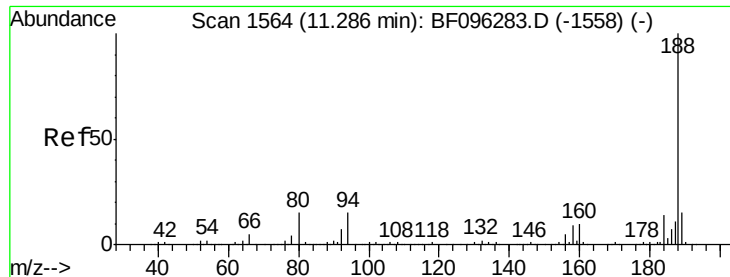


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

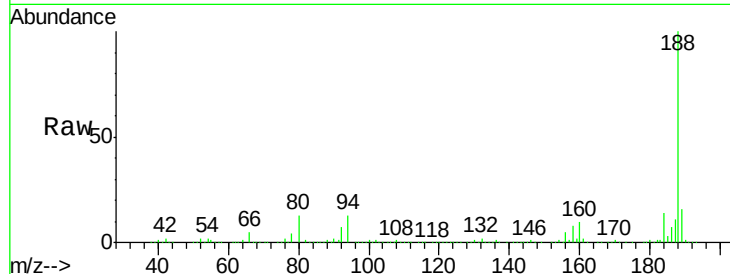




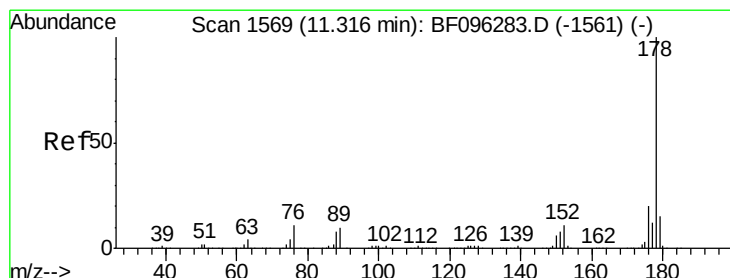
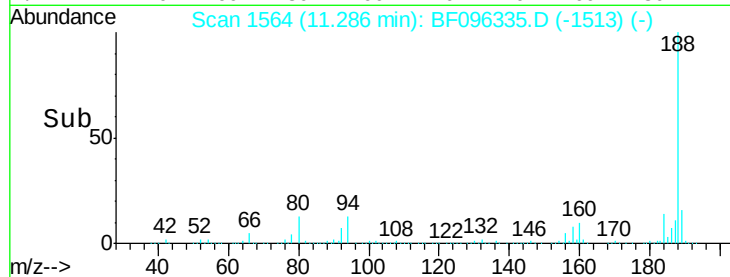
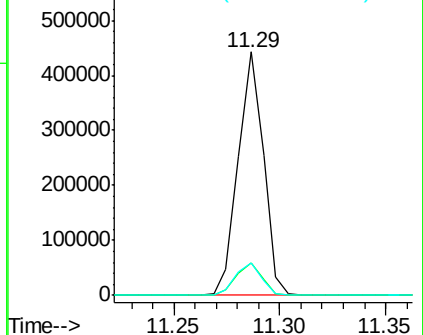
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BF096335.D
Acq: 30 Jun 2017 14:16

Instrument :
BNA_F
ClientSampleId :
G53-0-1.5

Tgt Ion:188 Resp: 365954
Ion Ratio Lower Upper
188 100
94 13.1 9.4 14.2
80 13.3 10.2 15.2

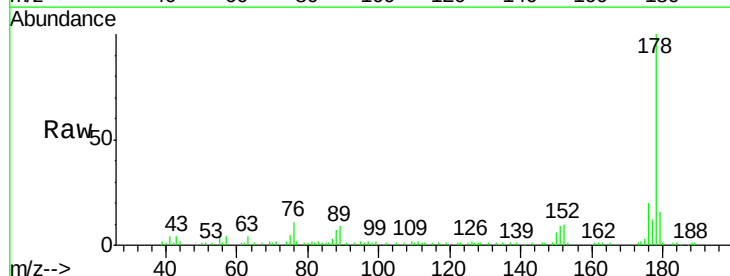


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

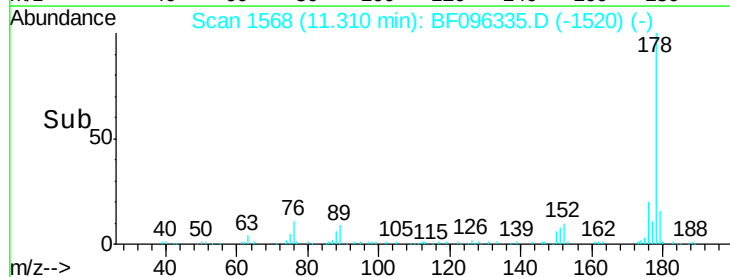
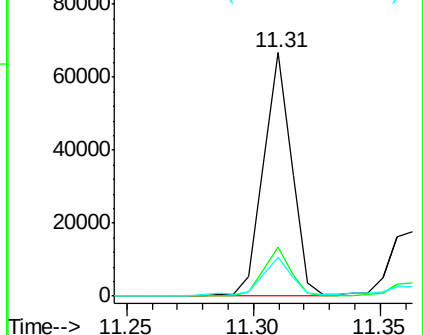


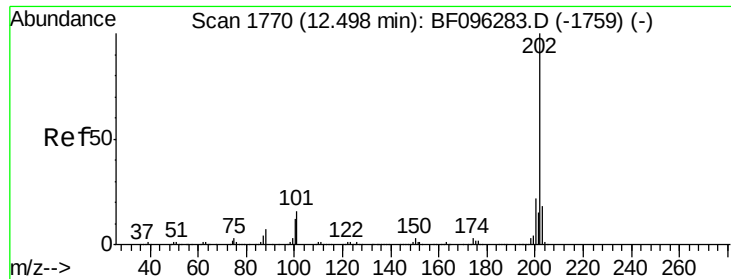
#70
Phenanthrene
Concen: Below Cal
RT: 11.31 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF096335.D
Acq: 30 Jun 2017 14:16

Tgt Ion:178 Resp: 52294
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.4
179 16.0 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.896 ng

RT: 12.50 min Scan# 1770

Delta R.T. 0.01 min

Lab File: BF096335.D

Acq: 30 Jun 2017 14:16

Instrument :

BNA_F

ClientSampleId :

G53-0-1.5

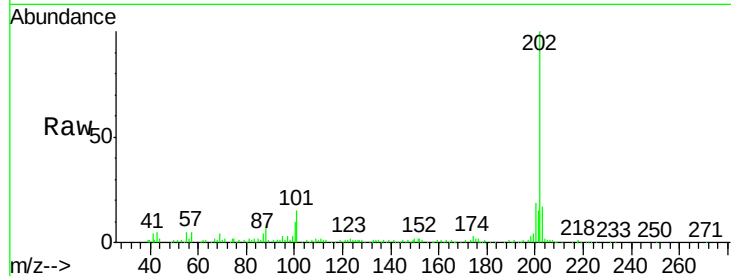
Tgt Ion:202 Resp: 99525

Ion Ratio Lower Upper

202 100

101 15.1 0.0 33.2

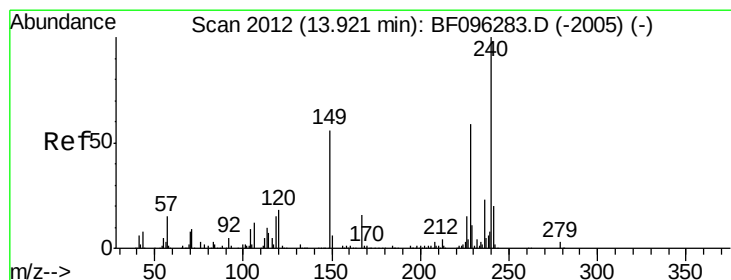
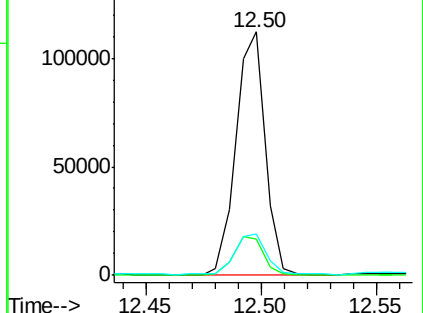
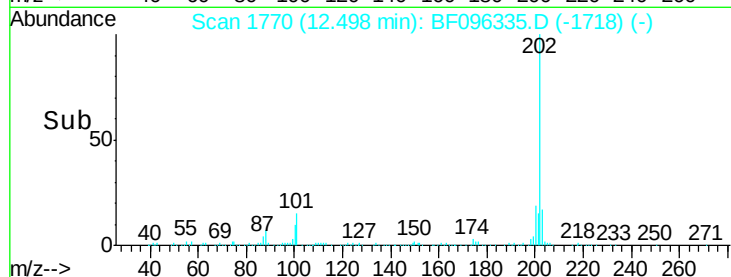
203 16.8 0.0 38.1



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: 20.000 ng

RT: 13.92 min Scan# 1212

Delta R.T. 0.01 min

Lab File: BF096335.D

Acq: 30 Jun 2017 14:16

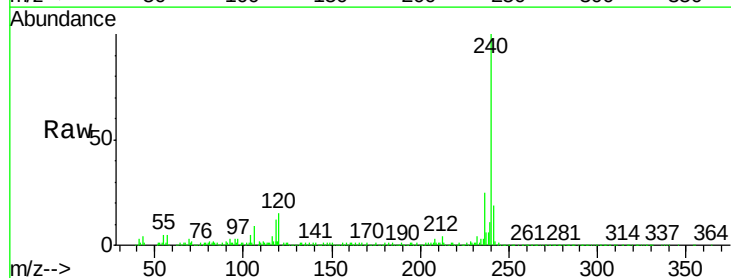
Tgt Ion:240 Resp: 309570

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

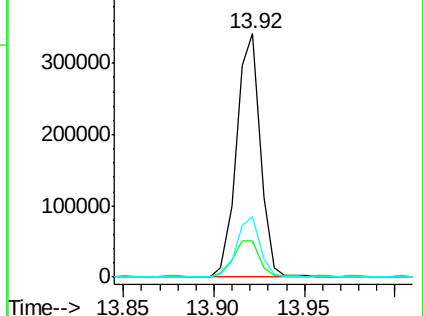
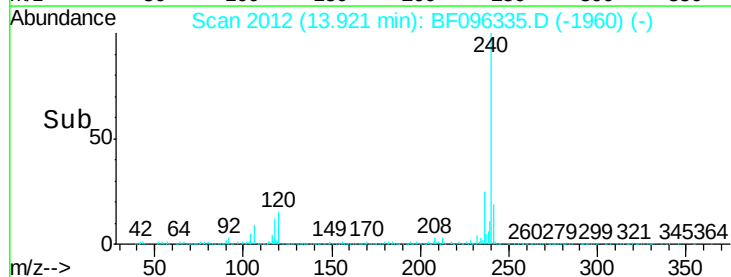
236 24.8 20.5 30.7

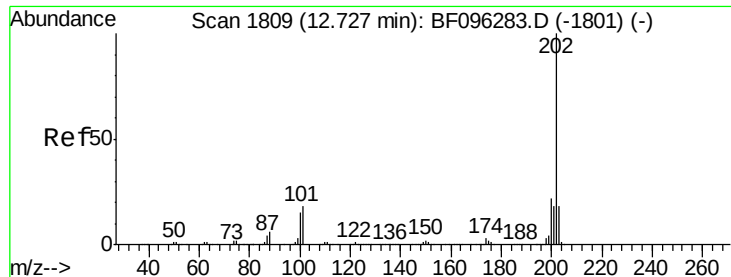


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.613 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF096335.D

Acq: 30 Jun 2017 14:16

Instrument :

BNA_F

ClientSampleId :

G53-0-1.5

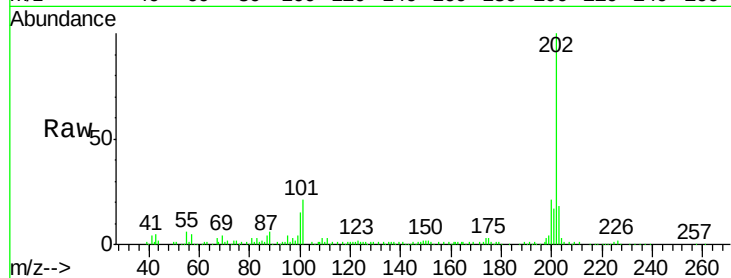
Tgt Ion:202 Resp: 91928

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

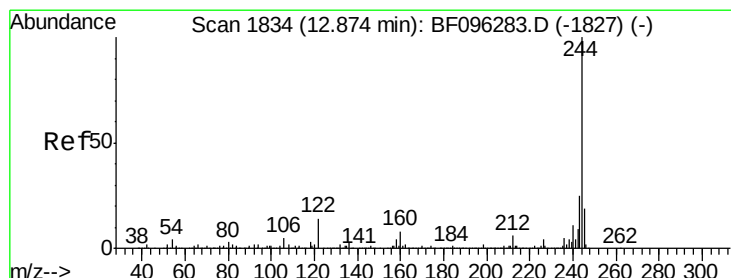
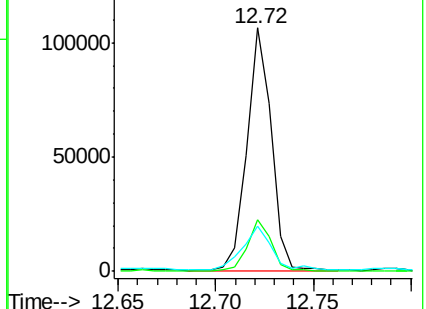
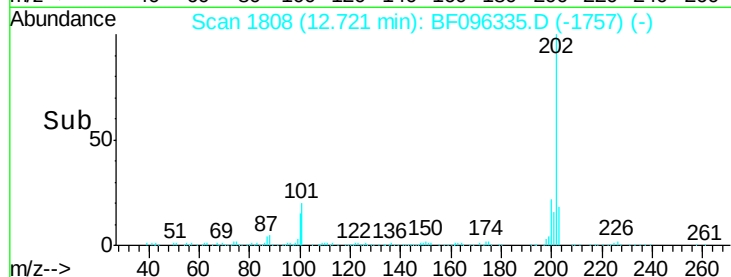
203 18.5 14.4 21.6



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: 12.828 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096335.D

Acq: 30 Jun 2017 14:16

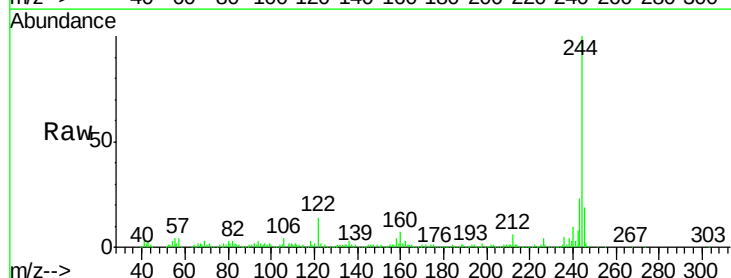
Tgt Ion:244 Resp: 159151

Ion Ratio Lower Upper

244 100

212 5.8 6.0 9.0#

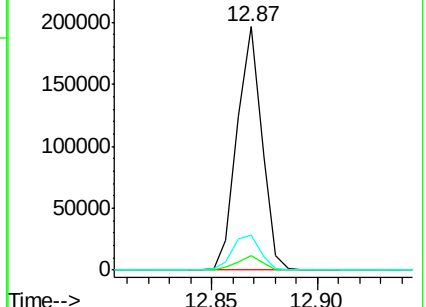
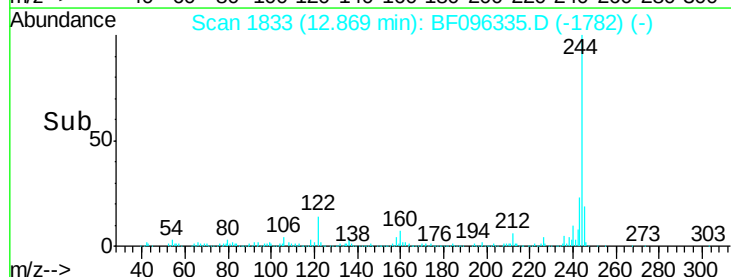
122 14.3 10.3 15.5

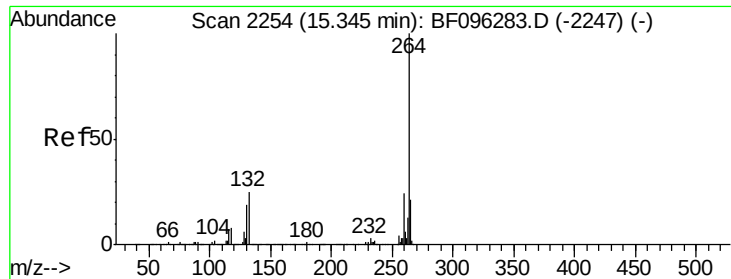


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

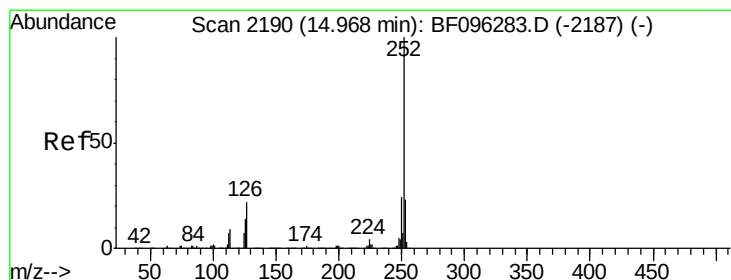
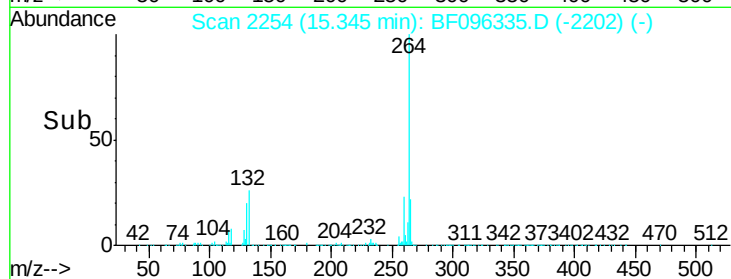
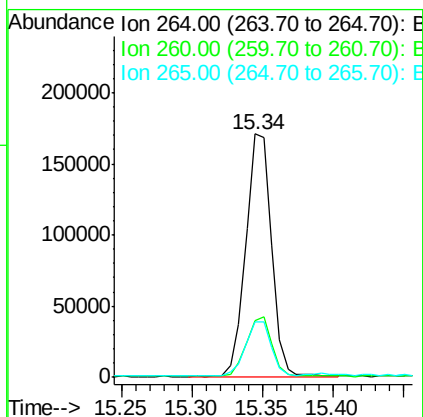
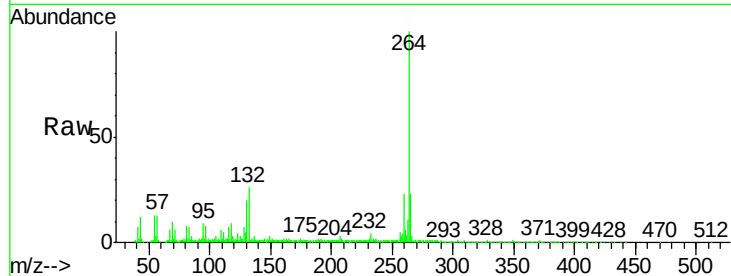




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF096335.D
Acq: 30 Jun 2017 14:16

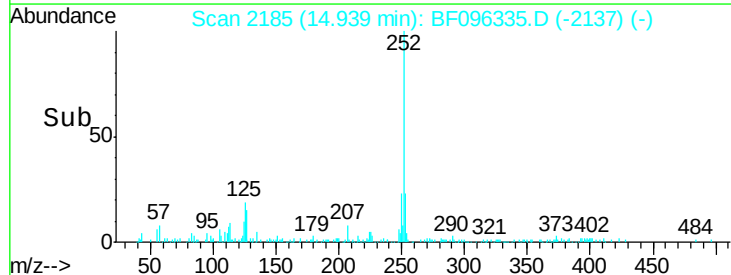
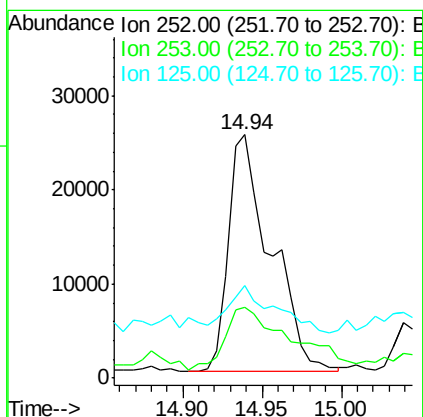
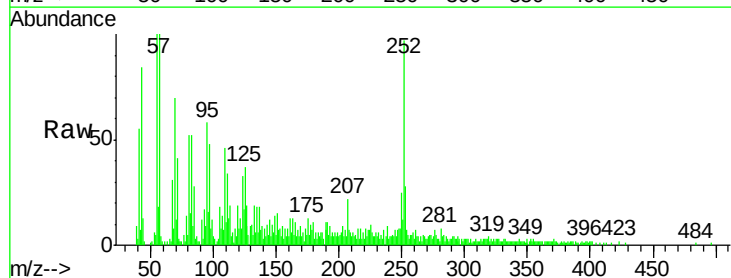
Instrument :
BNA_F
ClientSampleId :
G53-0-1.5

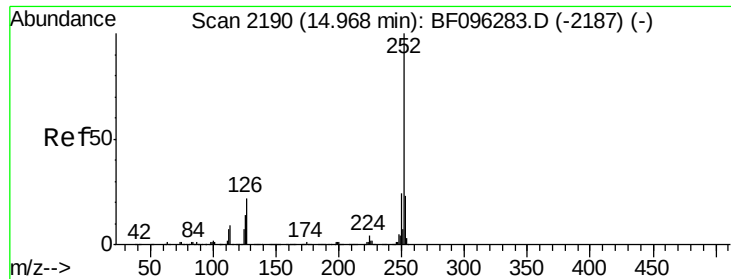
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	22.7	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 3.267 ng
RT: 14.94 min Scan# 2185
Delta R.T. -0.02 min
Lab File: BF096335.D
Acq: 30 Jun 2017 14:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.2	18.1	27.1#
125	38.2	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 3.579 ng

RT: 14.94 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BF096335.D

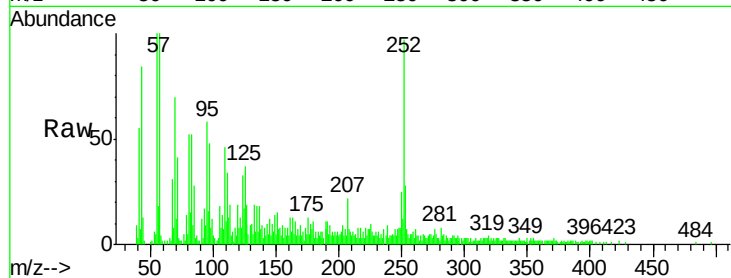
Acq: 30 Jun 2017 14:16

Instrument :

BNA_F

ClientSampleId :

G53-0-1.5



Tgt Ion:	252	Resp:	46726
Ion Ratio	Lower	Upper	
252	100		
253	29.2	18.4	27.6#
125	38.2	13.1	19.7#

