

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063017\
 Data File : BF096336.D
 Acq On : 30 Jun 2017 14:44
 Operator : SJ/MA
 Sample : I3883-12 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G53-1.5-3

Quant Time: Jun 30 17:43:20 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

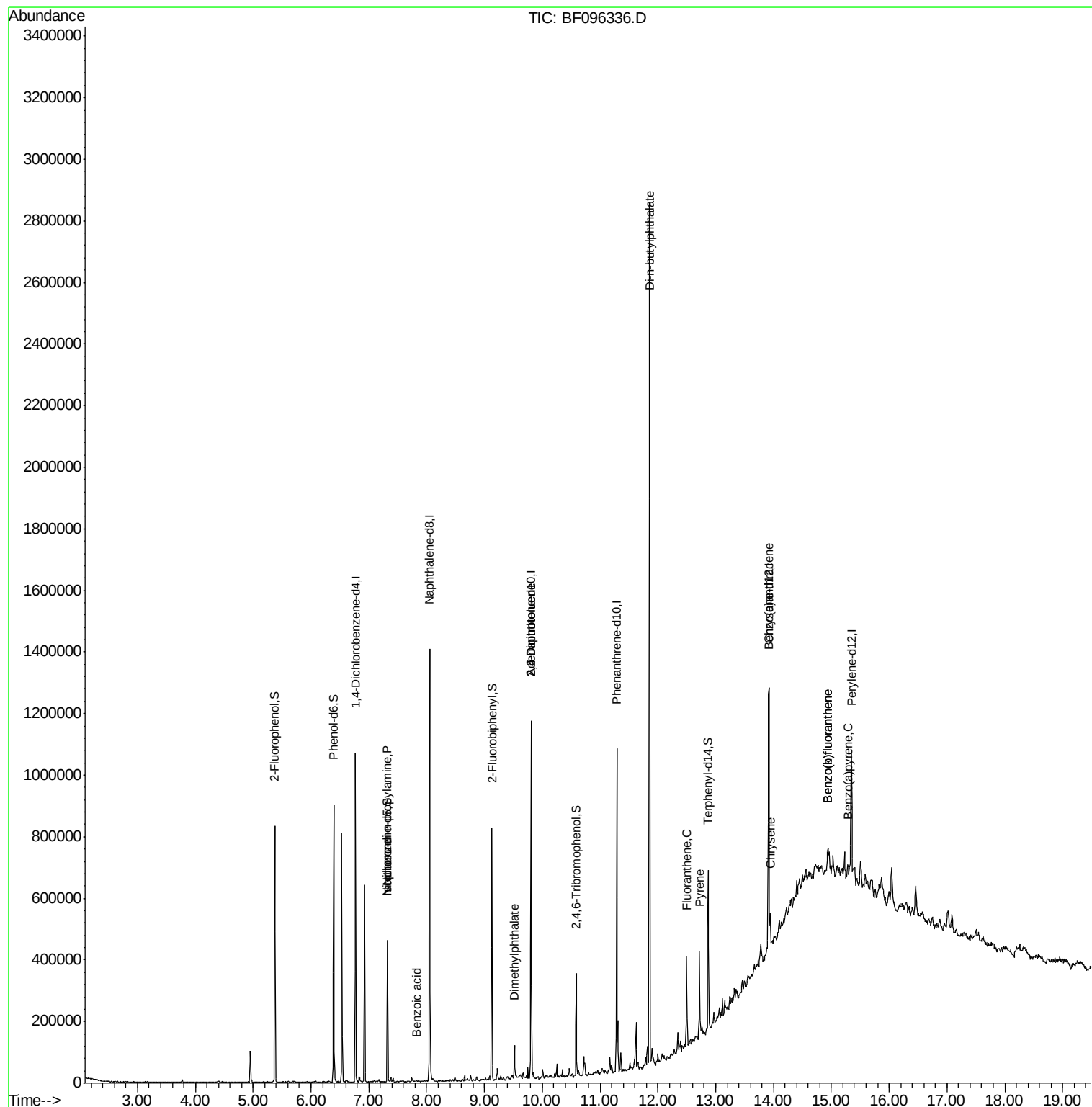
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	157196	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	622186	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	228515	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	325302	20.00	ng	0.00
75) Chrysene-d12	13.92	240	289933	20.00	ng	0.00
86) Perylene-d12	15.35	264	194266	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	208511	19.11	ng	0.00
7) Phenol-d6	6.39	99	253621	19.20	ng	0.00
23) Nitrobenzene-d5	7.32	82	127781	14.22	ng	-0.04
41) 2,4,6-Tribromophenol	10.59	330	34902	19.41	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	215931	17.31	ng	-0.02
78) Terphenyl-d14	12.87	244	142294	12.25	ng	0.00
Target Compounds						
9) Benzaldehyde	6.31	77	455	Below Cal	Qvalue	# 13
19) n-Nitroso-di-n-propylamine	7.32	70	16198	2.046 ng	#	80
25) Isophorone	7.32	82	127534	6.248 ng	#	67
32) Benzoic acid	7.84	122	132	8.803 ng	#	1
49) Dimethylphthalate	9.52	163	36218	2.215 ng		96
50) 2,6-Dinitrotoluene	9.80	165	28809	8.469 ng	#	33
56) 2,4-Dinitrotoluene	9.80	165	28809	6.719 ng	#	33
57) Fluorene	10.35	166	5137	Below Cal	#	92
70) Phenanthrene	11.31	178	53782	Below Cal		96
73) Di-n-butylphthalate	11.86	149	1311407	61.886 ng		99
74) Fluoranthene	12.50	202	113989	6.308 ng		97
77) Pyrene	12.72	202	105209	4.415 ng		98
80) Benzo(a)anthracene	13.91	228	41283	2.336 ng		97
82) Chrysene	13.94	228	45210	2.473 ng		97
87) Benzo(b)fluoranthene	14.94	252	57426	4.500 ng	#	77
88) Benzo(k)fluoranthene	14.94	252	57426	4.929 ng	#	81
89) Benzo(a)pyrene	15.29	252	26993	2.395 ng	#	72

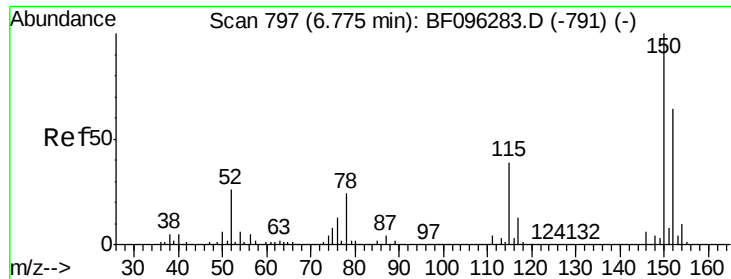
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063017\
Data File : BF096336.D
Acq On : 30 Jun 2017 14:44
Operator : SJ/MA
Sample : I3883-12 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
G53-1.5-3

Quant Time: Jun 30 17:43:20 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



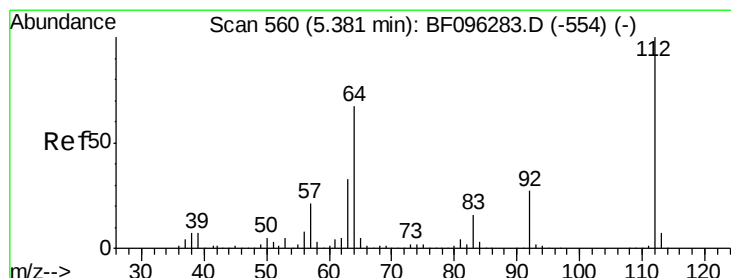
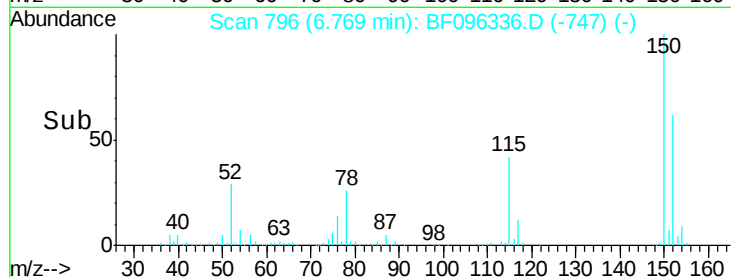
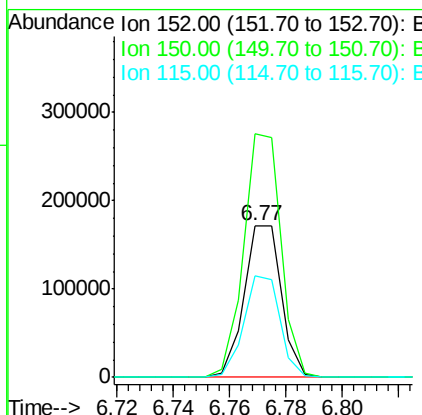
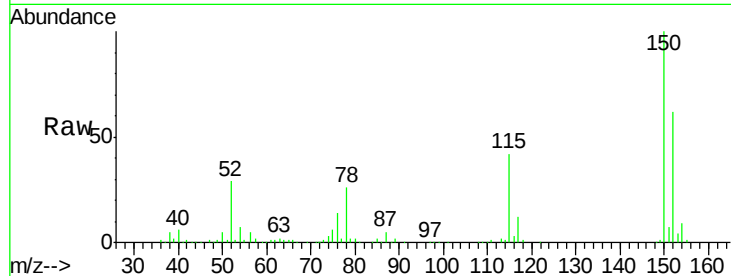


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF096336.D
Acq: 30 Jun 2017 14:44

Instrument :
BNA_F
ClientSampleId :
G53-1.5-3

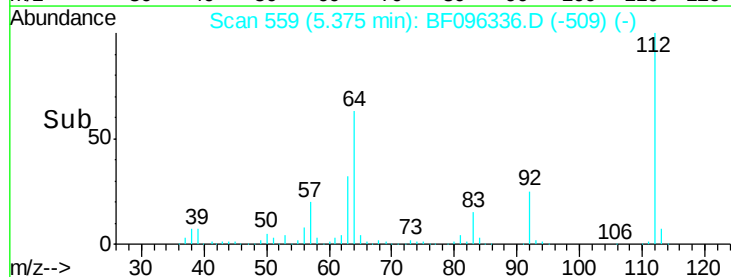
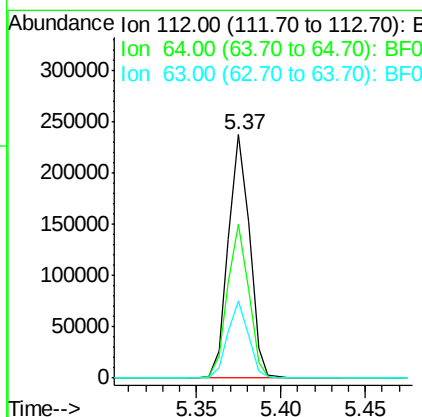
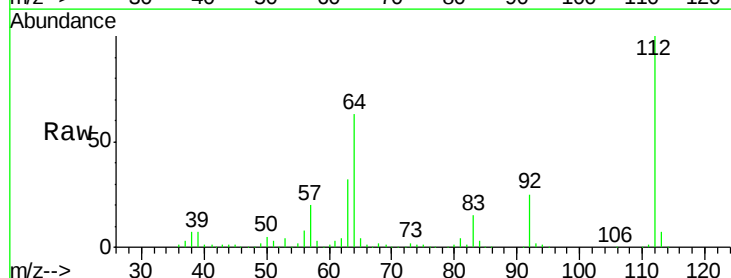
Tgt Ion:152 Resp: 157196
Ion Ratio Lower Upper
152 100
150 160.1 126.2 189.2
115 66.5 52.2 78.2

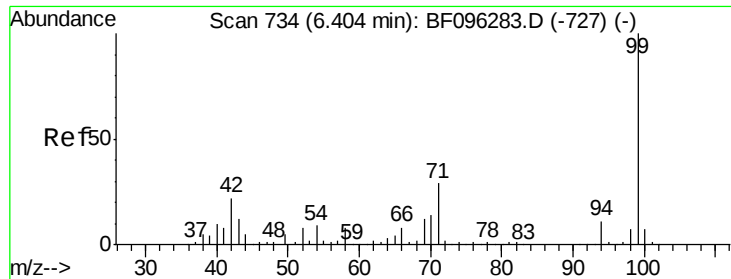


#5

2-Fluorophenol
Concen: 19.110 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF096336.D
Acq: 30 Jun 2017 14:44

Tgt Ion:112 Resp: 208511
Ion Ratio Lower Upper
112 100
64 63.1 46.0 69.0
63 31.8 23.4 35.0





#7

Phenol-d6

Concen: 19.196 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096336.D

Acq: 30 Jun 2017 14:44

Instrument :

BNA_F

ClientSampleId :

G53-1.5-3

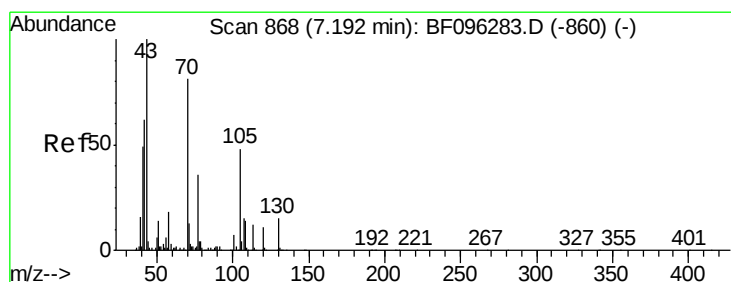
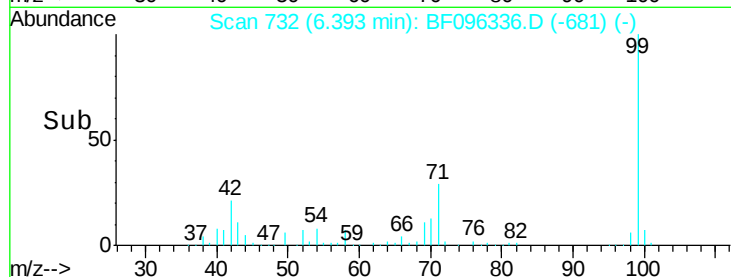
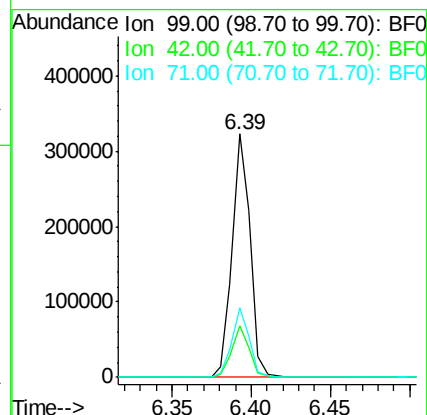
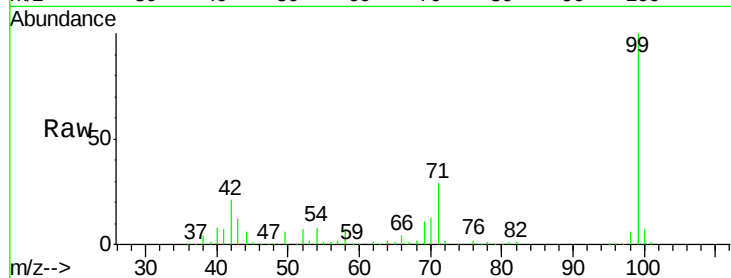
Tgt Ion: 99 Resp: 253621

Ion Ratio Lower Upper

99 100

42 21.3 13.5 20.3#

71 28.8 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.046 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.14 min

Lab File: BF096336.D

Acq: 30 Jun 2017 14:44

Tgt Ion: 70 Resp: 16198

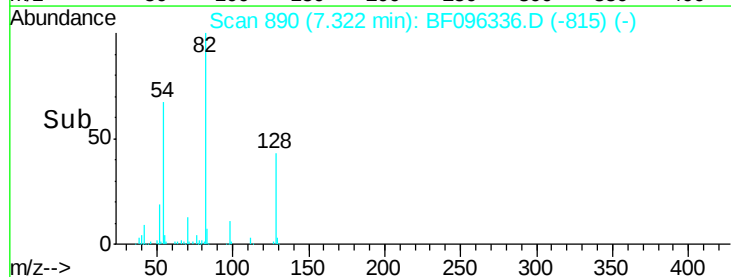
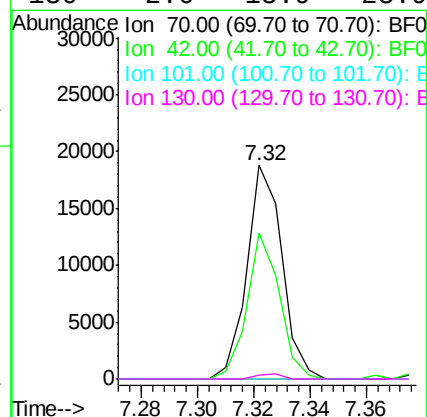
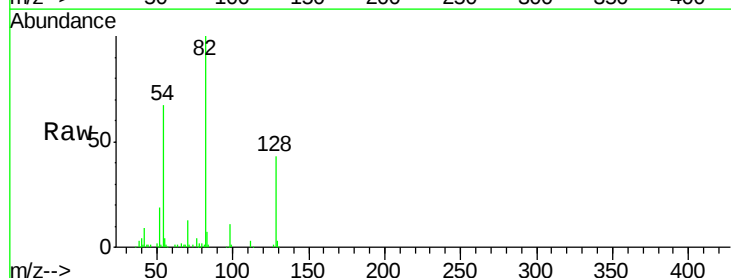
Ion Ratio Lower Upper

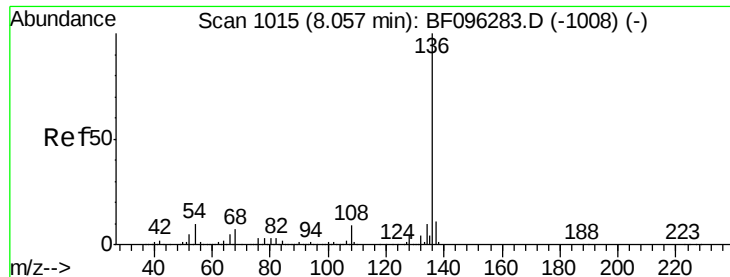
70 100

42 68.5 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF096336.D

Acq: 30 Jun 2017 14:44

Instrument :

BNA_F

ClientSampleId :

G53-1.5-3

Tgt Ion:136 Resp: 622186

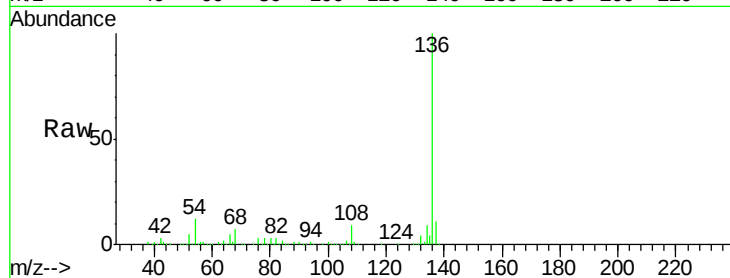
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 11.7 4.9 7.3#

68 6.9 4.1 6.1#

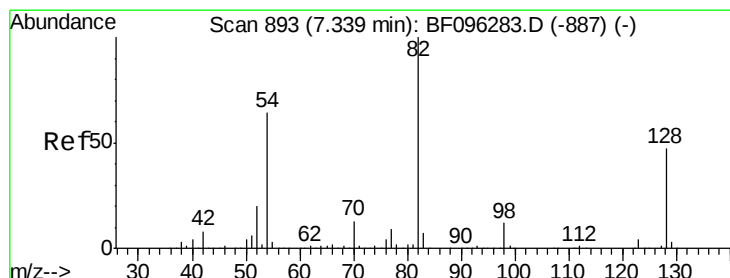
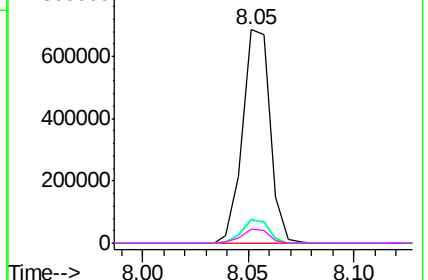
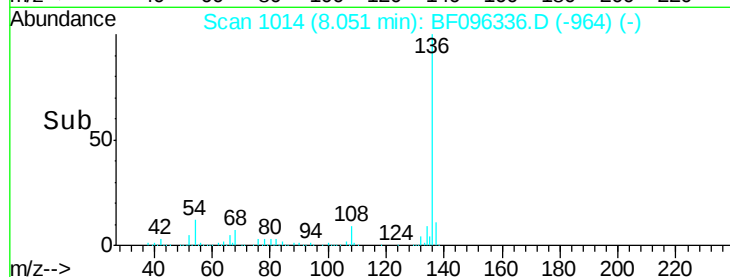


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.217 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.04 min

Lab File: BF096336.D

Acq: 30 Jun 2017 14:44

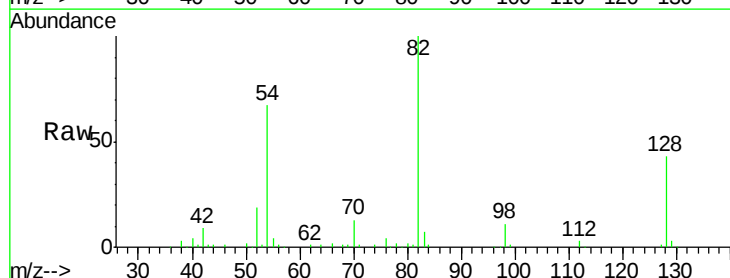
Tgt Ion: 82 Resp: 127781

Ion Ratio Lower Upper

82 100

128 43.4 34.0 51.0

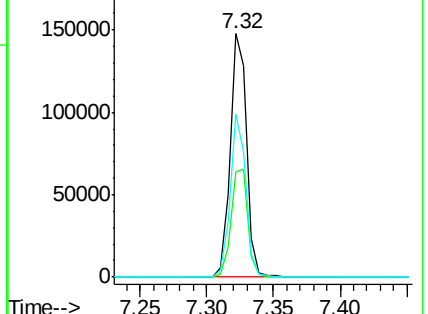
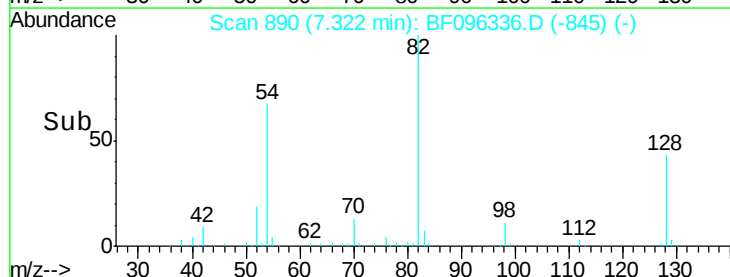
54 67.0 42.2 63.2#

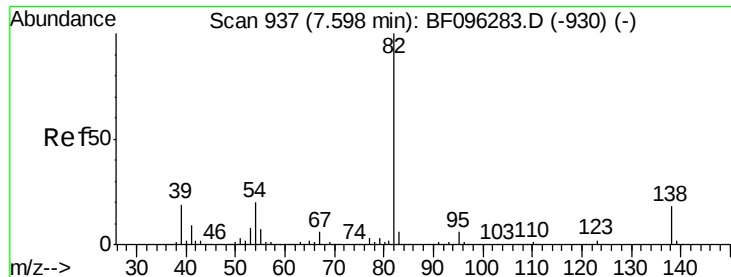


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 6.248 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.27 min

Lab File: BF096336.D

Acq: 30 Jun 2017 14:44

Instrument :

BNA_F

ClientSampleId :

G53-1.5-3

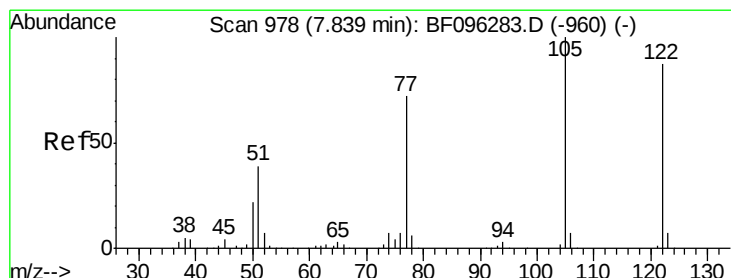
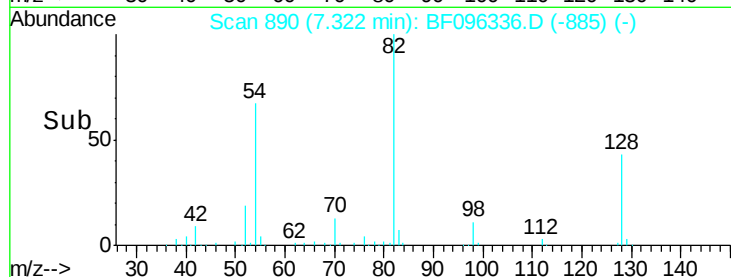
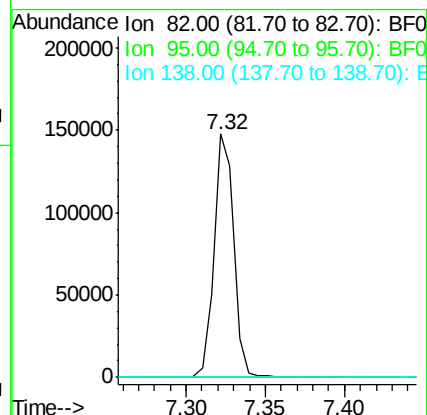
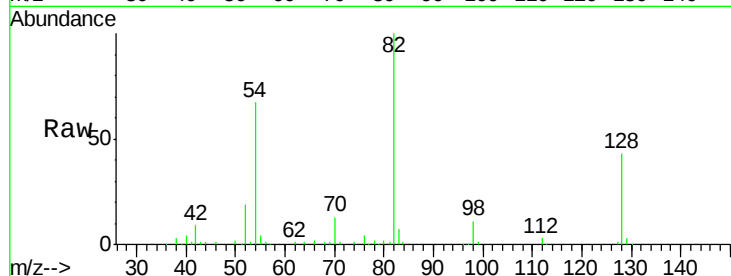
Tgt Ion: 82 Resp: 127534

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#32

Benzoic acid

Concen: 8.803 ng

RT: 7.84 min Scan# 978

Delta R.T. -0.05 min

Lab File: BF096336.D

Acq: 30 Jun 2017 14:44

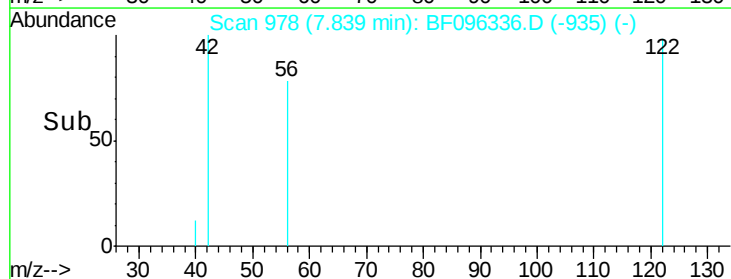
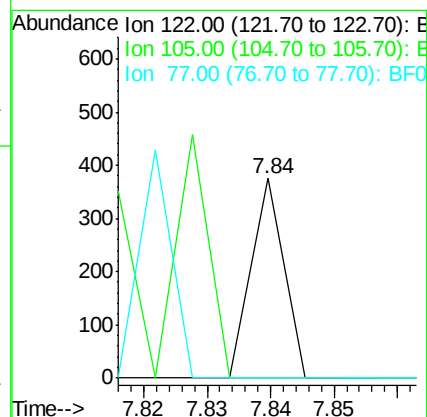
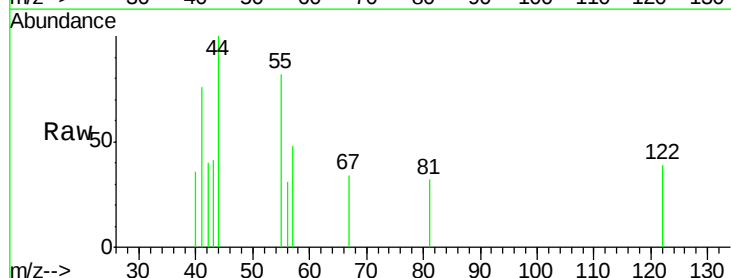
Tgt Ion: 122 Resp: 132

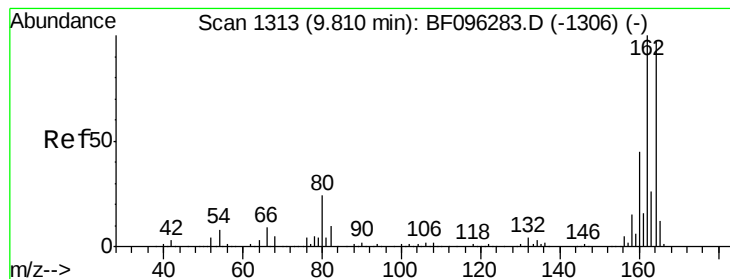
Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

77 0.0 73.7 113.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF096336.D

Acq: 30 Jun 2017 14:44

Instrument :

BNA_F

ClientSampleId :

G53-1.5-3

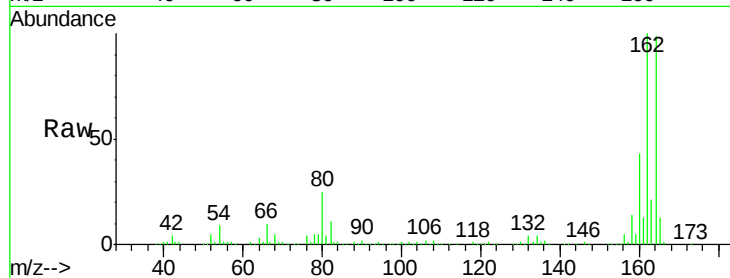
Tgt Ion:164 Resp: 228515

Ion Ratio Lower Upper

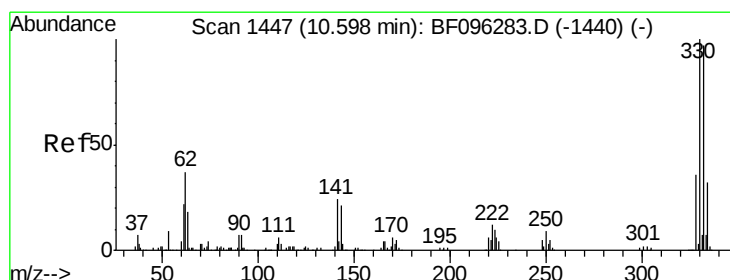
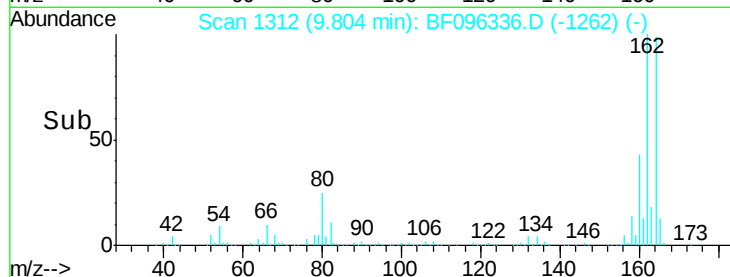
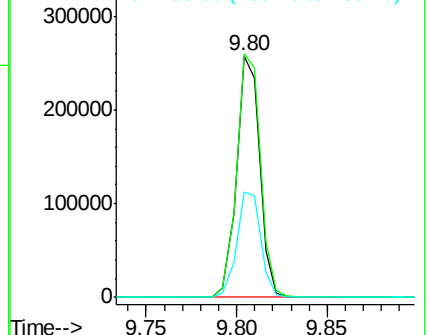
164 100

162 101.0 82.6 123.8

160 43.6 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: 19.407 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF096336.D

Acq: 30 Jun 2017 14:44

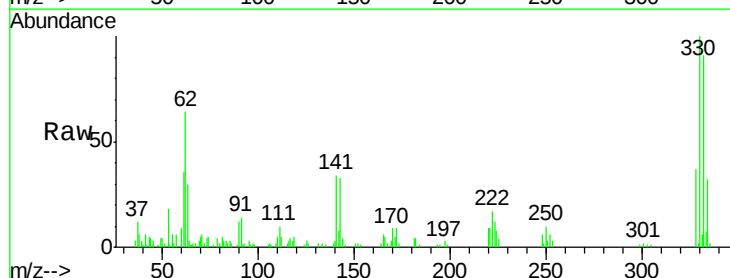
Tgt Ion:330 Resp: 34902

Ion Ratio Lower Upper

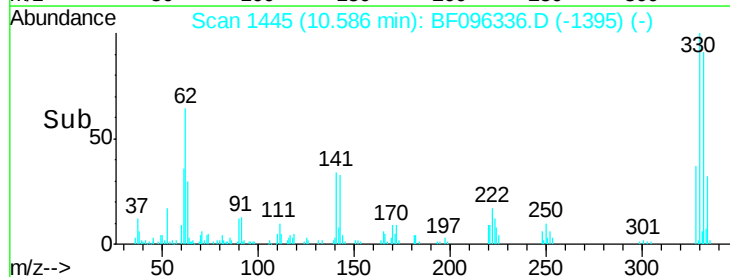
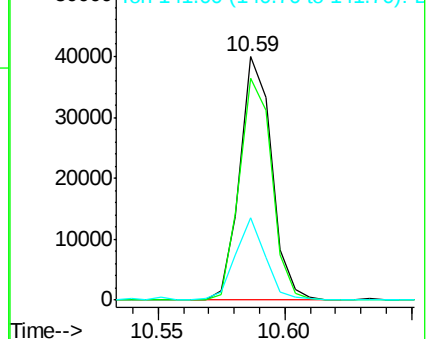
330 100

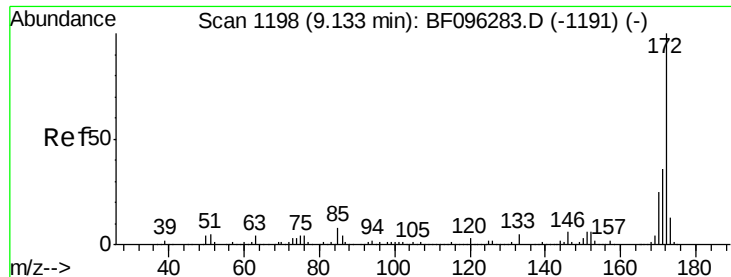
332 92.4 76.6 115.0

141 32.0 31.4 47.2



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

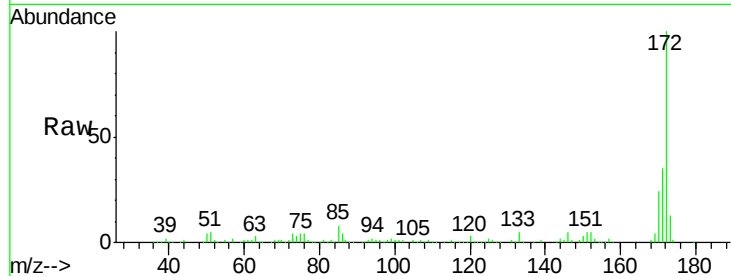




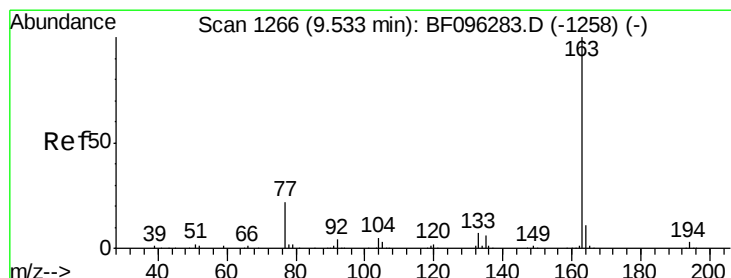
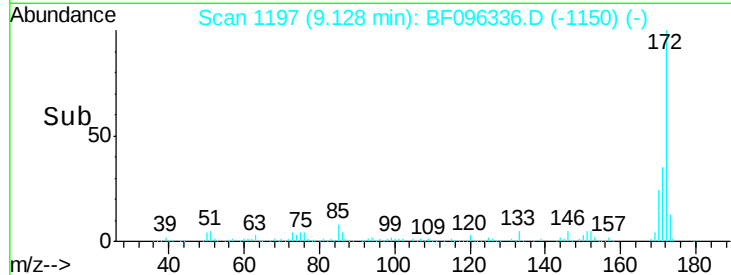
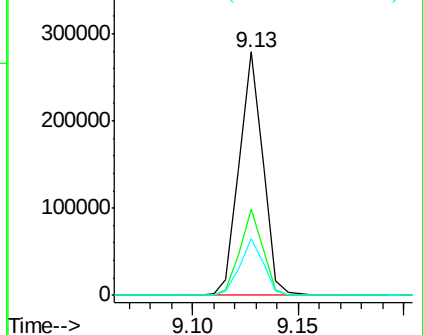
#44
 2-Fluorobiphenyl
 Concen: 17.305 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF096336.D
 Acq: 30 Jun 2017 14:44

Instrument :
 BNA_F
 ClientSampleId :
 G53-1.5-3

Tgt Ion:172 Resp: 215931
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.6 44.4
 170 23.6 19.8 29.8

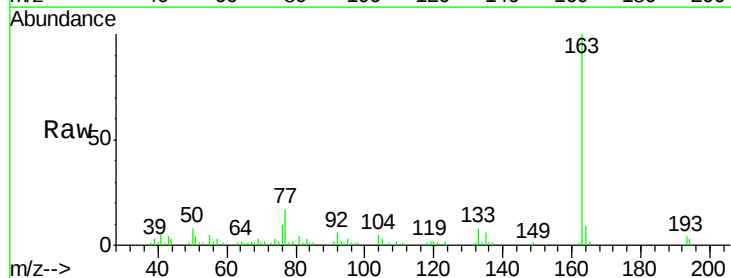


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

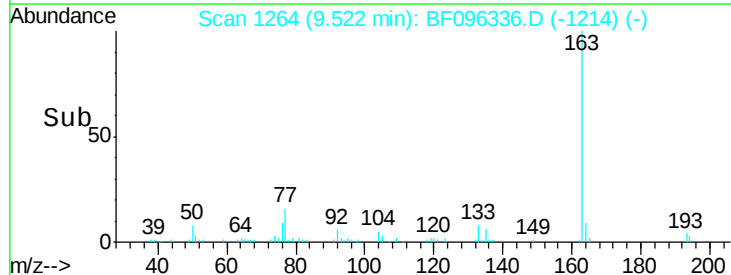
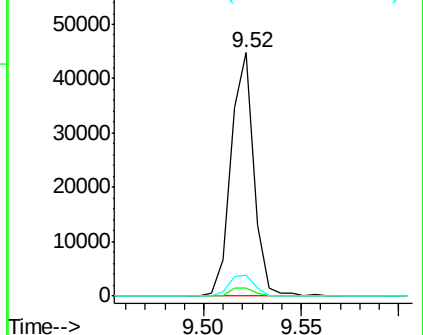


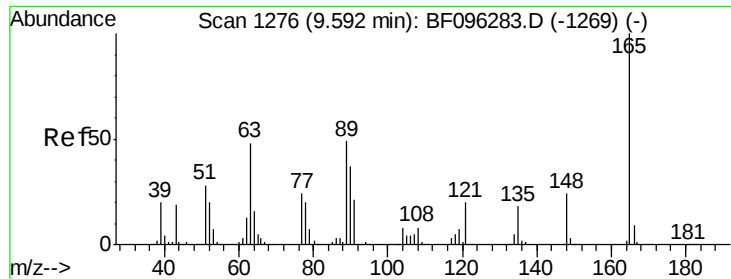
#49
 Dimethylphthalate
 Concen: 2.215 ng
 RT: 9.52 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: BF096336.D
 Acq: 30 Jun 2017 14:44

Tgt Ion:163 Resp: 36218
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.6 4.0
 164 8.8 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

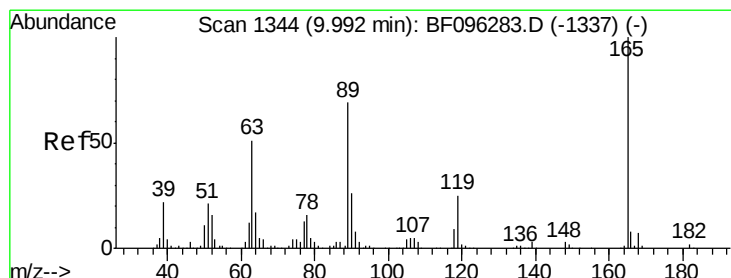
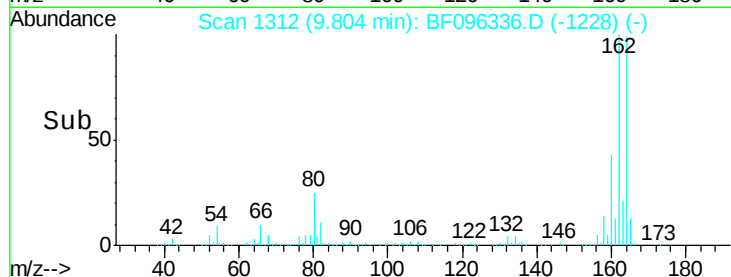
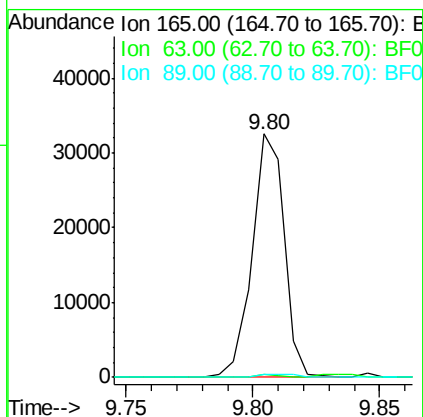
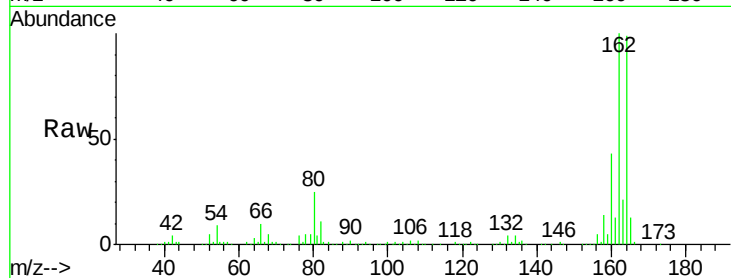




#50
 2,6-Dinitrotoluene
 Concen: 8.469 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. 0.19 min
 Lab File: BF096336.D
 Acq: 30 Jun 2017 14:44

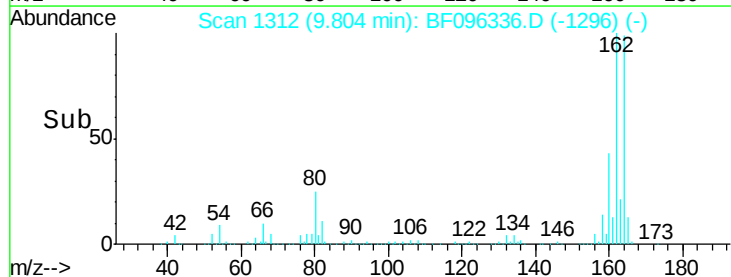
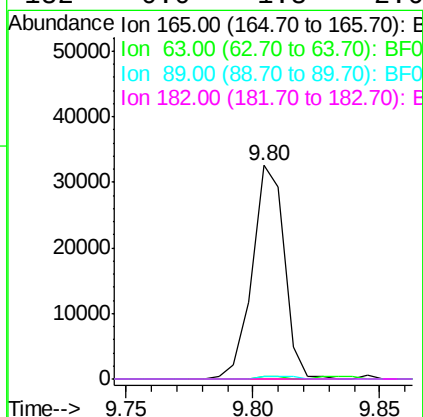
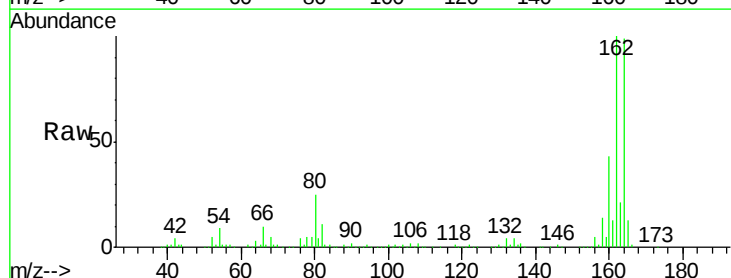
Instrument :
 BNA_F
 ClientSampleId :
 G53-1.5-3

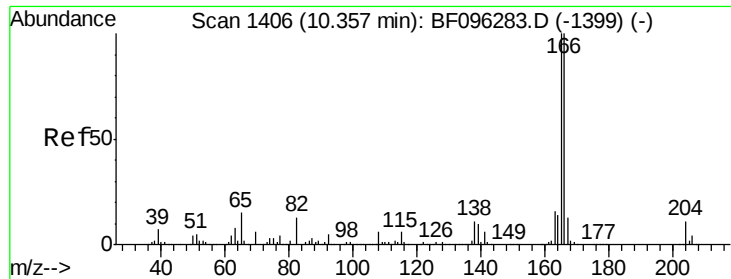
Tgt Ion:165 Resp: 28809
 Ion Ratio Lower Upper
 165 100
 63 1.4 34.3 51.5#
 89 1.3 37.1 55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.719 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.21 min
 Lab File: BF096336.D
 Acq: 30 Jun 2017 14:44

Tgt Ion:165 Resp: 28809
 Ion Ratio Lower Upper
 165 100
 63 1.4 25.4 38.0#
 89 1.3 46.4 69.6#
 182 0.0 1.8 2.6#

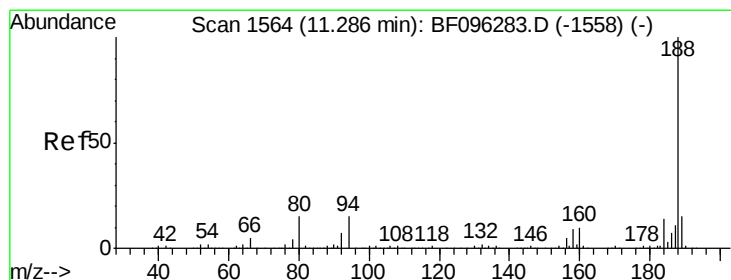
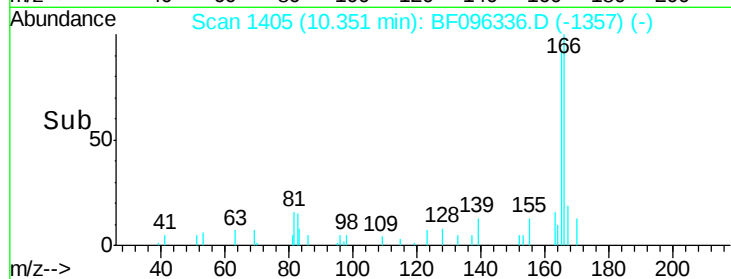
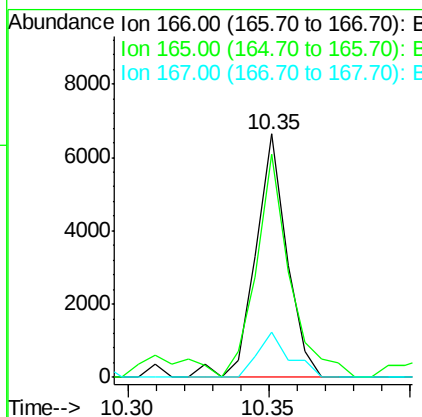
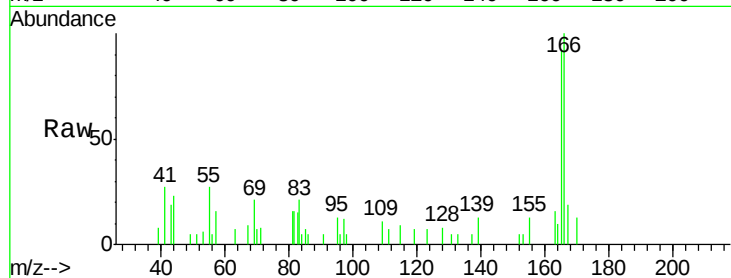




#57
 Fluorene
 Concen: Below Cal
 RT: 10.35 min Scan# 1405
 Delta R.T. -0.02 min
 Lab File: BF096336.D
 Acq: 30 Jun 2017 14:44

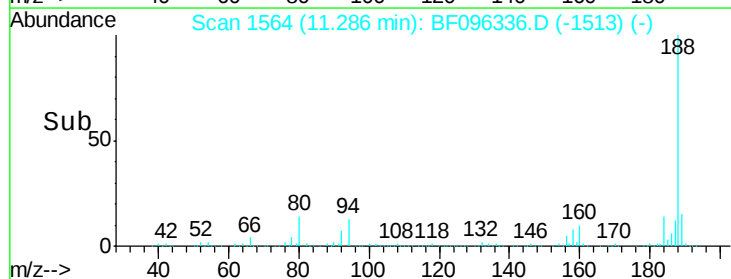
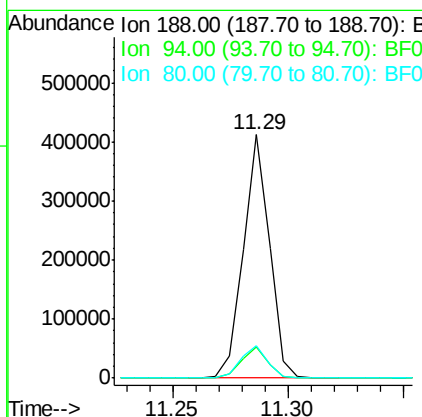
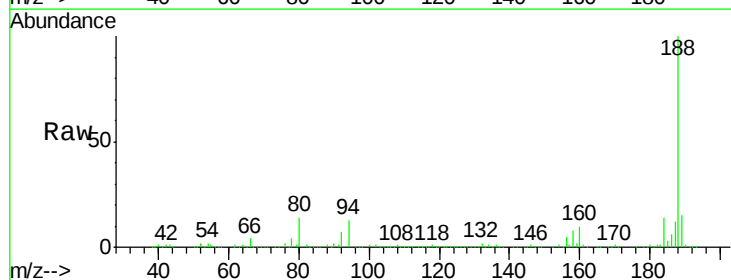
Instrument :
 BNA_F
 ClientSampleId :
 G53-1.5-3

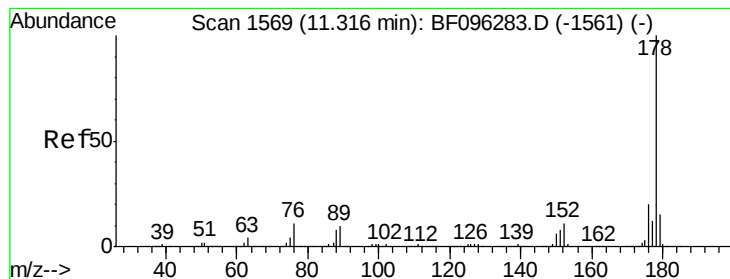
Tgt Ion:166 Resp: 5137
 Ion Ratio Lower Upper
 166 100
 165 91.5 78.8 118.2
 167 18.6 10.6 16.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BF096336.D
 Acq: 30 Jun 2017 14:44

Tgt Ion:188 Resp: 325302
 Ion Ratio Lower Upper
 188 100
 94 12.7 9.4 14.2
 80 13.5 10.2 15.2





#70

Phenanthrene

Concen: Below Cal

RT: 11.31 min Scan# 1568

Delta R.T. -0.02 min

Lab File: BF096336.D

Acq: 30 Jun 2017 14:44

Instrument :

BNA_F

ClientSampleId :

G53-1.5-3

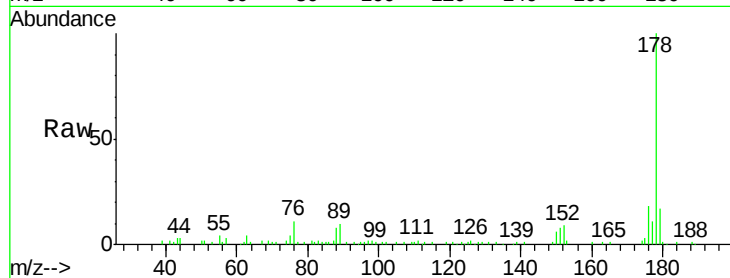
Tgt Ion:178 Resp: 53782

Ion Ratio Lower Upper

178 100

176 17.7 16.2 24.4

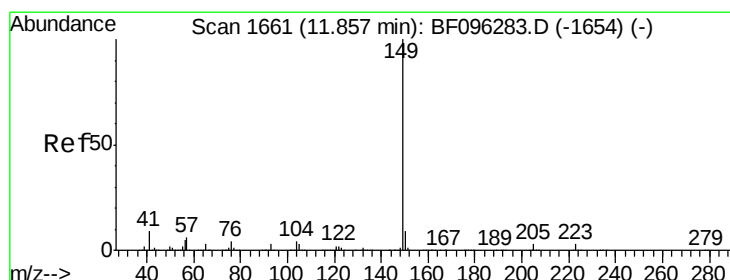
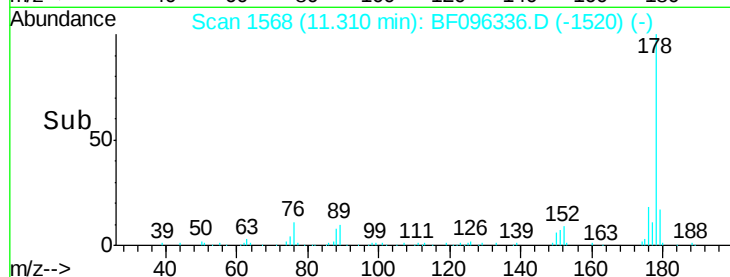
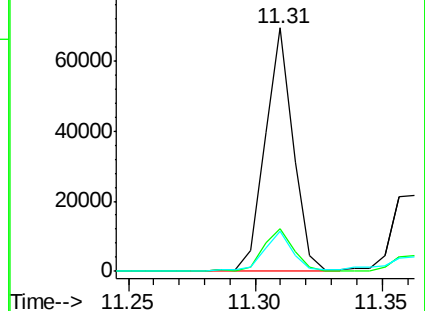
179 16.5 12.6 19.0



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



#73

Di-n-butylphthalate

Concen: 61.886 ng

RT: 11.86 min Scan# 1661

Delta R.T. -0.00 min

Lab File: BF096336.D

Acq: 30 Jun 2017 14:44

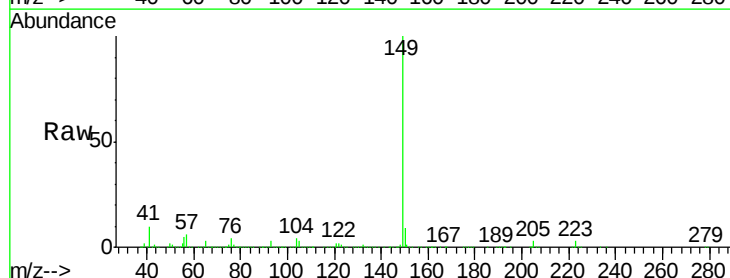
Tgt Ion:149 Resp: 1311407

Ion Ratio Lower Upper

149 100

150 9.3 7.7 11.5

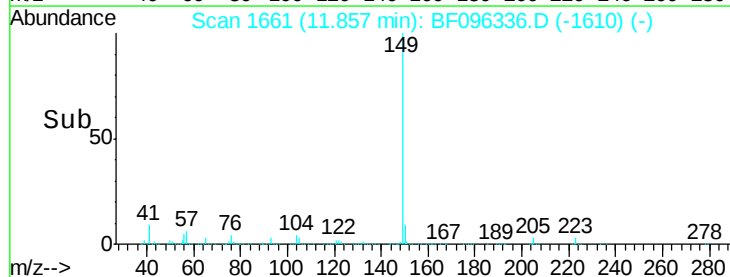
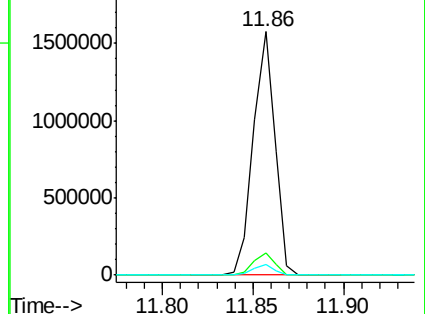
104 4.2 4.0 6.0

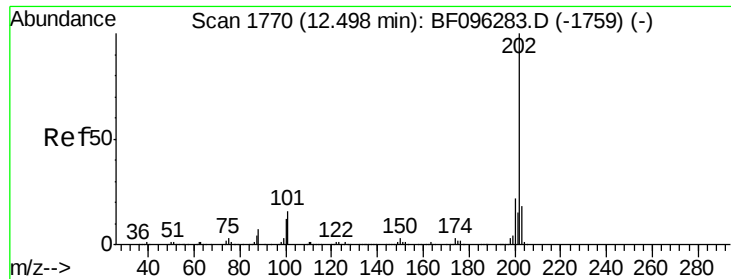


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 6.308 ng

RT: 12.50 min Scan# 1770

Delta R.T. 0.01 min

Lab File: BF096336.D

Acq: 30 Jun 2017 14:44

Instrument :

BNA_F

ClientSampleId :

G53-1.5-3

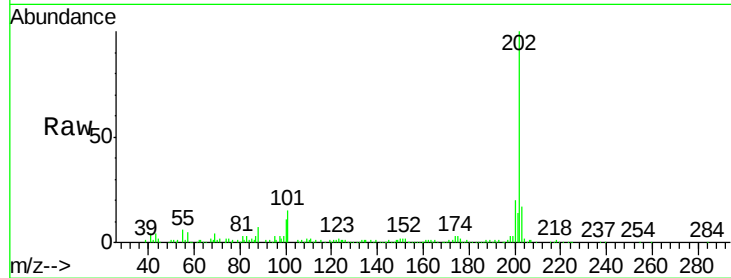
Tgt Ion:202 Resp: 113989

Ion Ratio Lower Upper

202 100

101 14.7 0.0 33.2

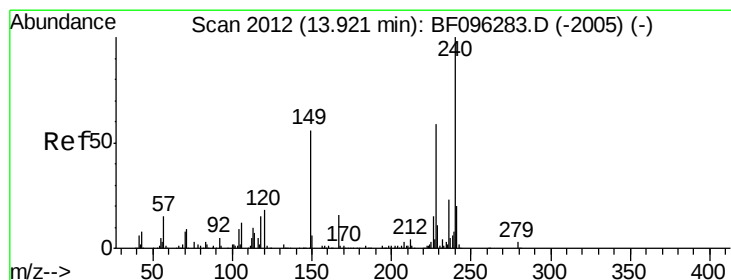
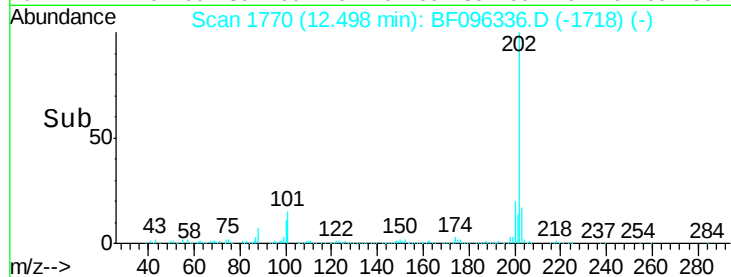
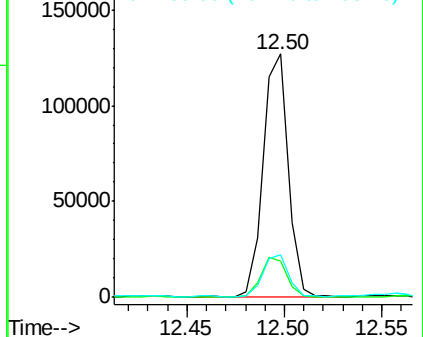
203 17.3 0.0 38.1



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: BF096336.D

Acq: 30 Jun 2017 14:44

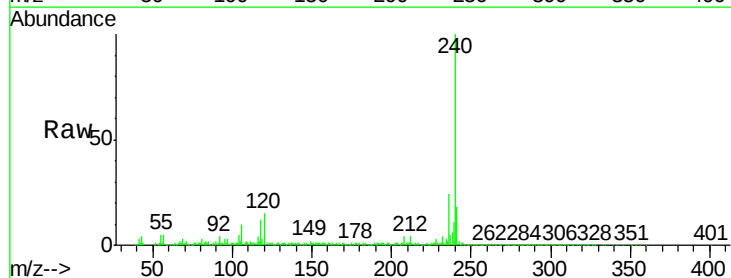
Tgt Ion:240 Resp: 289933

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

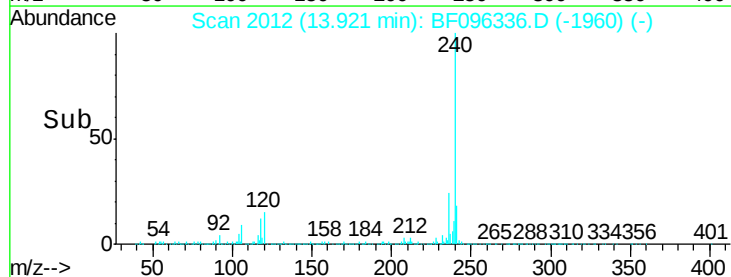
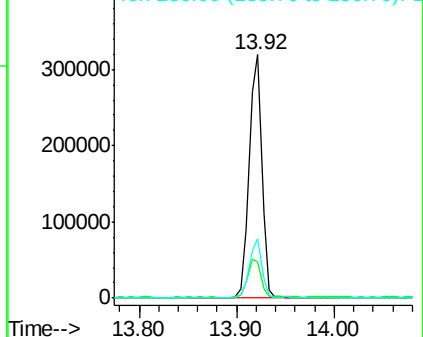
236 24.1 20.5 30.7

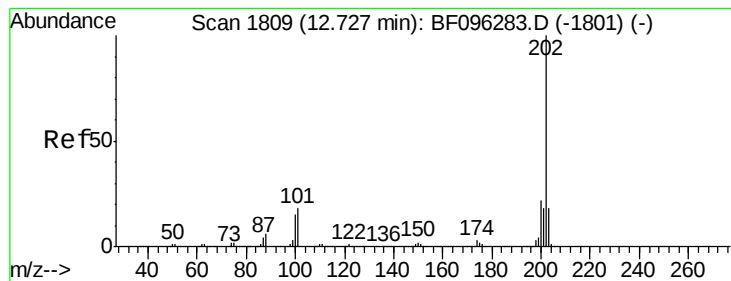


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.415 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF096336.D

Acq: 30 Jun 2017 14:44

Instrument :

BNA_F

ClientSampleId :

G53-1.5-3

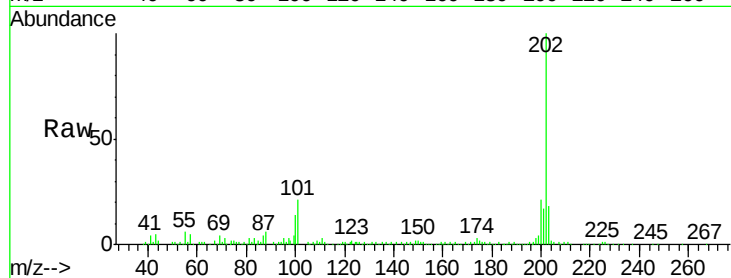
Tgt Ion:202 Resp: 105209

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

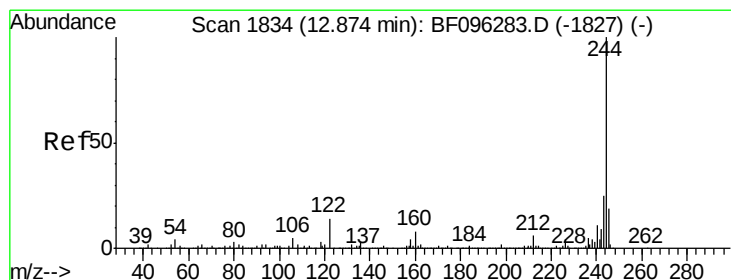
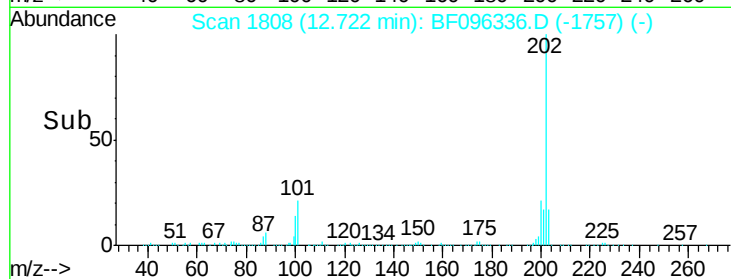
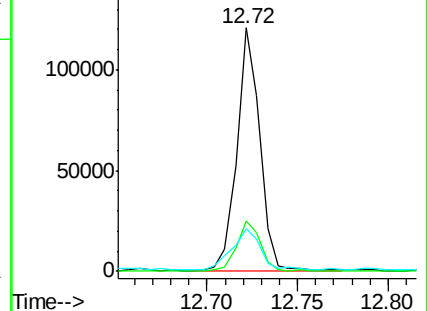
203 17.7 14.4 21.6



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: 12.246 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096336.D

Acq: 30 Jun 2017 14:44

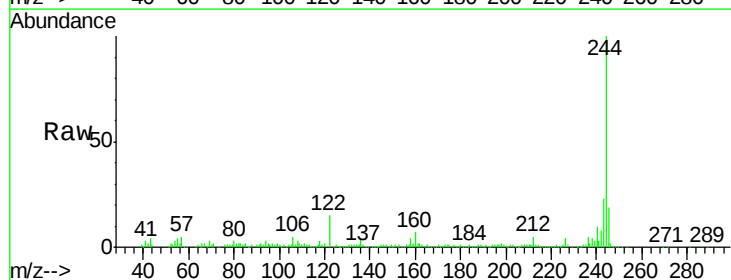
Tgt Ion:244 Resp: 142294

Ion Ratio Lower Upper

244 100

212 5.1 6.0 9.0#

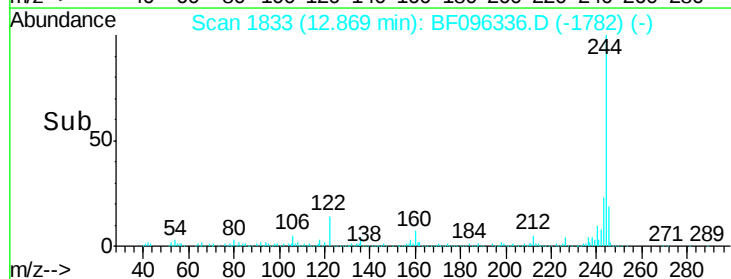
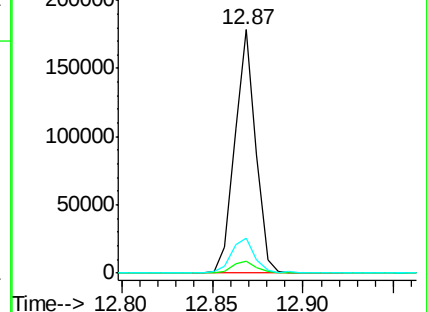
122 14.5 10.3 15.5

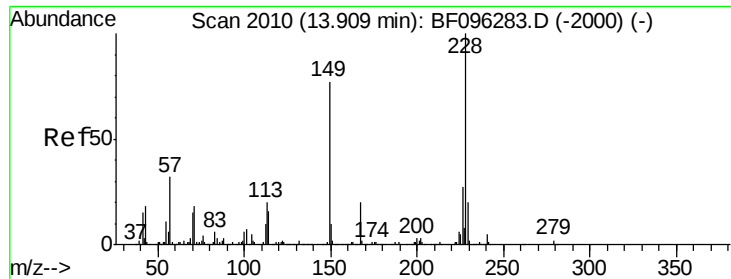


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

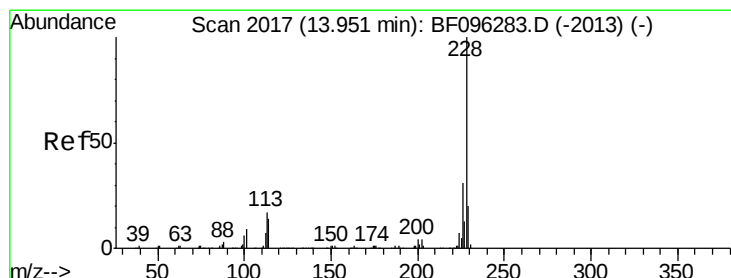
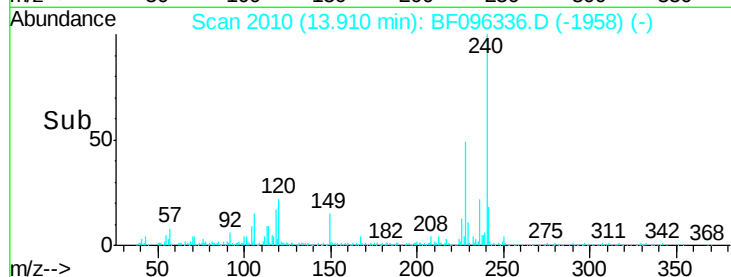
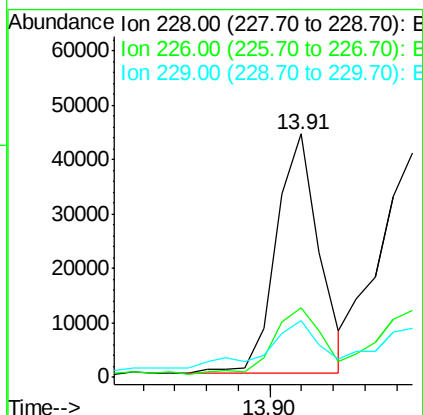
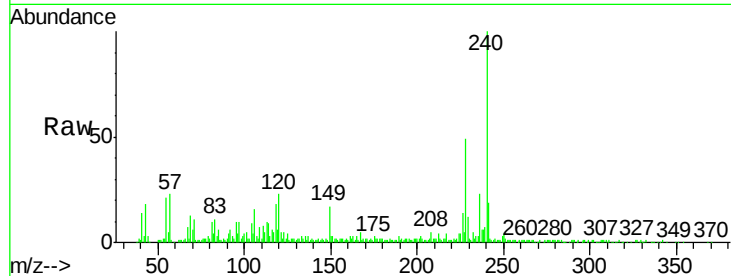




#80
Benzo(a)anthracene
Concen: 2.336 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF096336.D
Acq: 30 Jun 2017 14:44

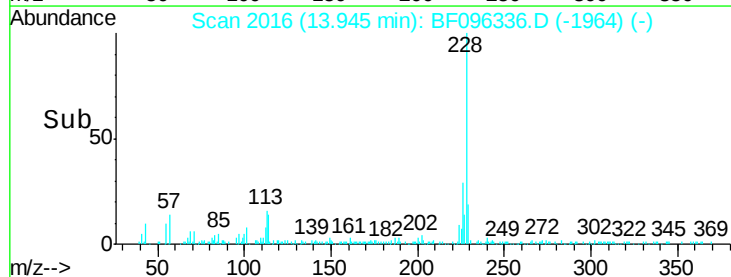
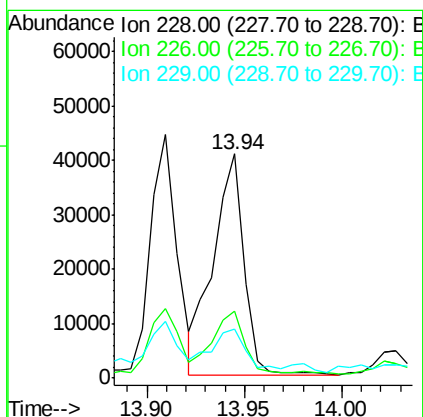
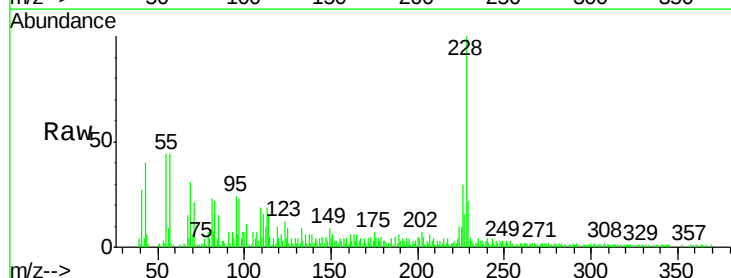
Instrument :
BNA_F
ClientSampleId :
G53-1.5-3

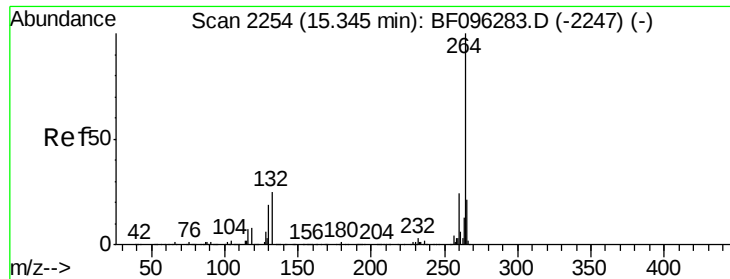
Tgt Ion:228 Resp: 41283
Ion Ratio Lower Upper
228 100
226 28.7 22.6 33.8
229 23.5 16.3 24.5



#82
Chrysene
Concen: 2.473 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.01 min
Lab File: BF096336.D
Acq: 30 Jun 2017 14:44

Tgt Ion:228 Resp: 45210
Ion Ratio Lower Upper
228 100
226 30.1 24.9 37.3
229 22.1 15.8 23.6

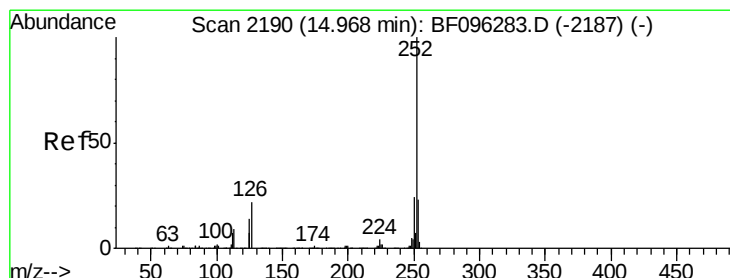
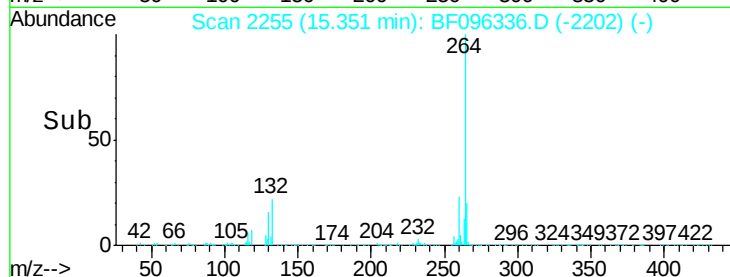
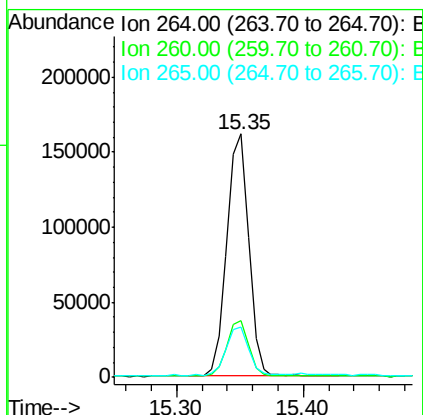
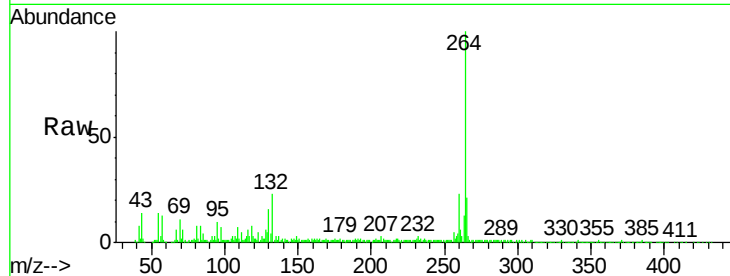




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.01 min
Lab File: BF096336.D
Acq: 30 Jun 2017 14:44

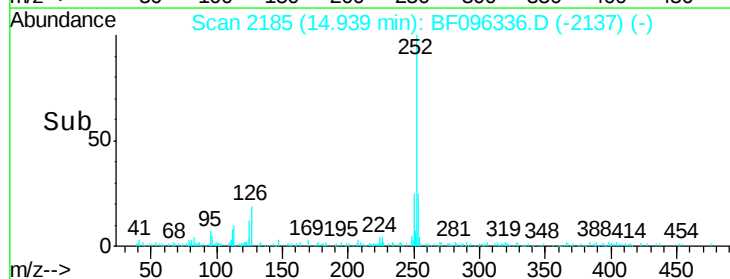
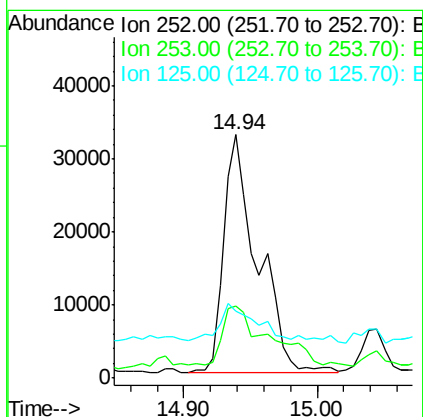
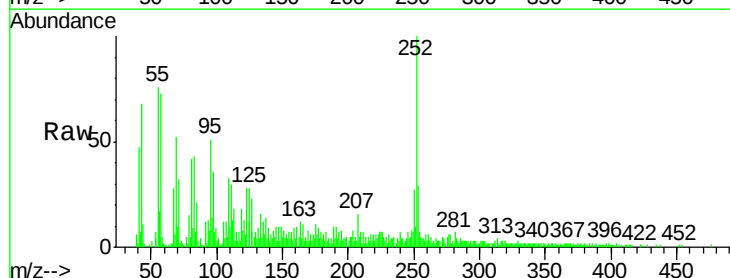
Instrument :
BNA_F
ClientSampleId :
G53-1.5-3

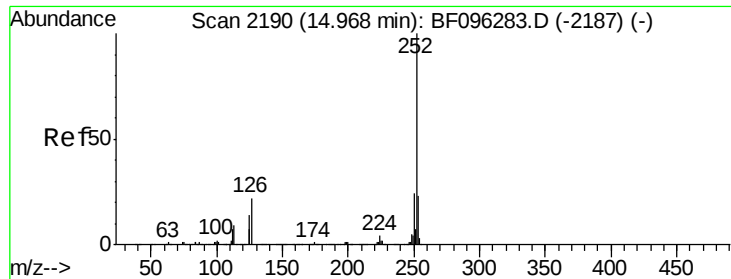
Tgt Ion:264 Resp: 194266
Ion Ratio Lower Upper
264 100
260 23.1 19.5 29.3
265 20.8 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 4.500 ng
RT: 14.94 min Scan# 2185
Delta R.T. -0.02 min
Lab File: BF096336.D
Acq: 30 Jun 2017 14:44

Tgt Ion:252 Resp: 57426
Ion Ratio Lower Upper
252 100
253 29.5 18.1 27.1#
125 27.7 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 4.929 ng

RT: 14.94 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BF096336.D

Acq: 30 Jun 2017 14:44

Instrument :

BNA_F

ClientSampleId :

G53-1.5-3

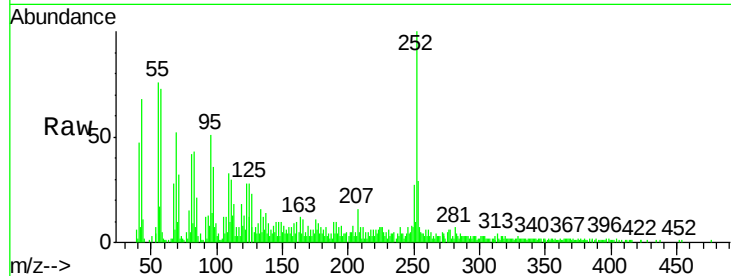
Tgt Ion:252 Resp: 57426

Ion Ratio Lower Upper

252 100

253 29.5 18.4 27.6#

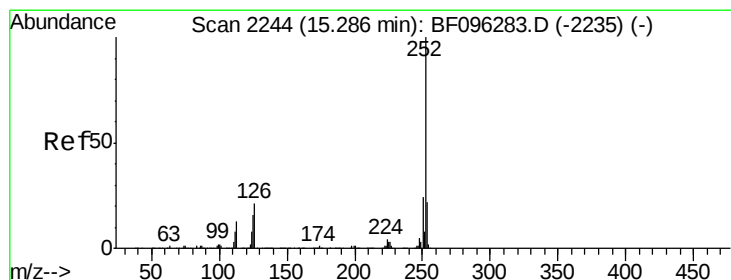
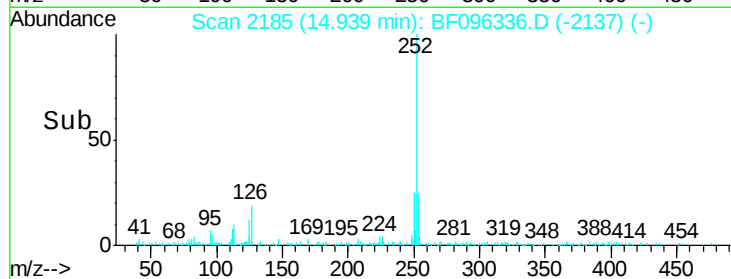
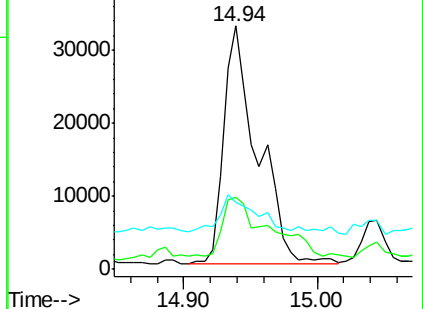
125 27.7 13.1 19.7#



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



#89

Benzo(a)pyrene

Concen: 2.395 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.01 min

Lab File: BF096336.D

Acq: 30 Jun 2017 14:44

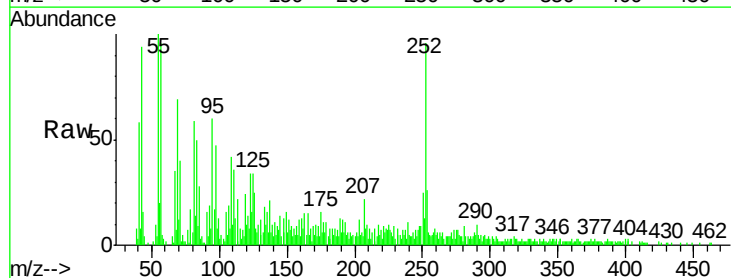
Tgt Ion:252 Resp: 26993

Ion Ratio Lower Upper

252 100

253 27.2 17.5 26.3#

125 35.3 11.0 16.4#



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

