

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071016\
 Data File : BG022993.D
 Acq On : 10 Jul 2016 10:09
 Operator : UM/SJ
 Sample : H3876-05
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 3-A-LOCATION-3-0-5FT

Quant Time: Jul 11 02:35:56 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 16:51:07 2016
 Response via : Initial Calibration

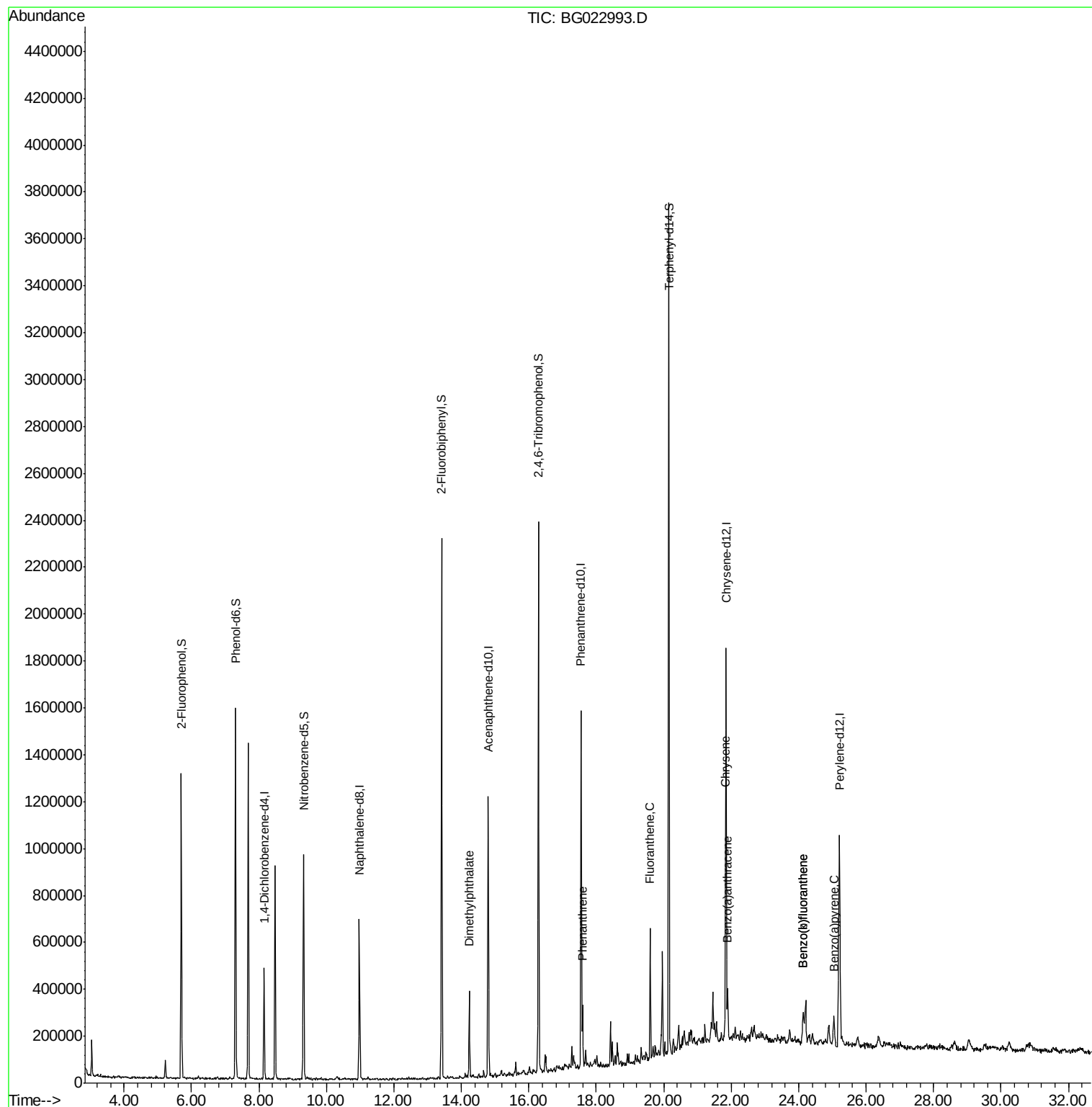
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	116328	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	556167	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	401813	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	900300	20.00	ng	0.00
75) Chrysene-d12	21.85	240	984642	20.00	ng	0.00
86) Perylene-d12	25.21	264	1005956	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	530417	74.57	ng	0.00
7) Phenol-d6	7.30	99	880402	79.03	ng	0.00
23) Nitrobenzene-d5	9.32	82	648136	49.90	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	443151	61.37	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	1158975	45.43	ng	0.00
78) Terphenyl-d14	20.15	244	1546799	39.85	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.24	163	230878	7.03	ng	99
70) Phenanthrene	17.59	178	169163	3.83	ng	94
74) Fluoranthene	19.60	202	330277	6.10	ng	93
80) Benzo(a)anthracene	21.89	228	157535	2.86	ng	92
82) Chrysene	21.83	228	186956	3.62	ng	92
87) Benzo(b)fluoranthene	24.14	252	170642	2.94	ng	95
88) Benzo(k)fluoranthene	24.14	252	170642	3.10	ng	# 95
89) Benzo(a)pyrene	25.05	252	137499	2.47	ng	# 95

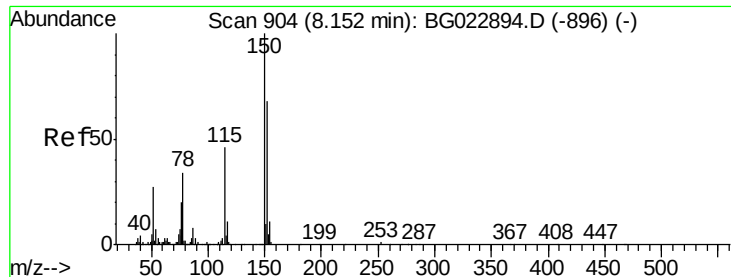
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.15 min Scan# 904

Delta R.T. -0.00 min

Lab File: BG022993.D

Acq: 10 Jul 2016 10:09

Instrument :

BNA_G

ClientSampleId :

3-A-LOCATION-3-0-5FT

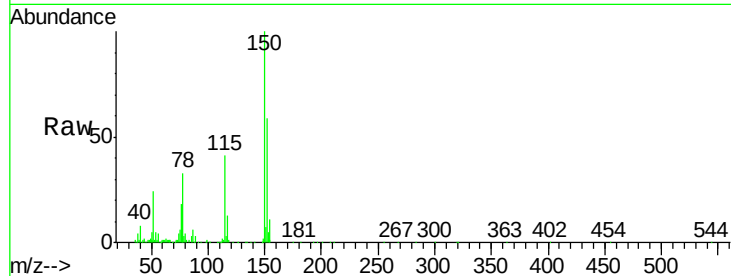
Tgt Ion:152 Resp: 116328

Ion Ratio Lower Upper

152 100

150 168.4 144.7 217.1

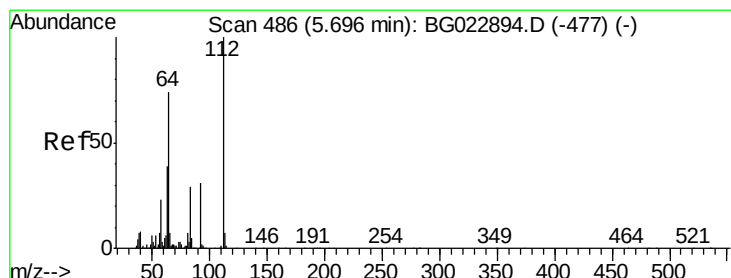
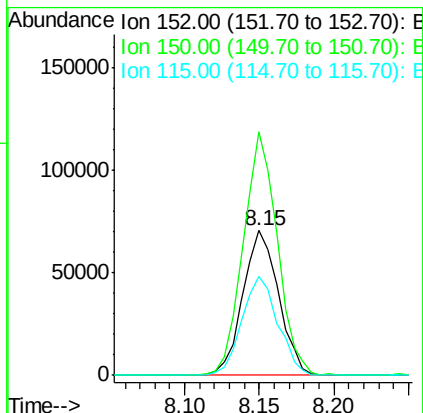
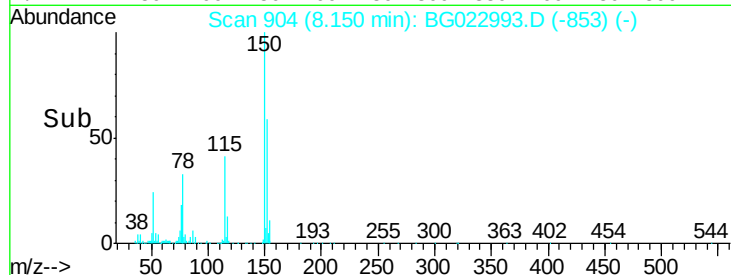
115 68.4 64.0 96.0



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: 74.57 ng

RT: 5.69 min Scan# 486

Delta R.T. -0.00 min

Lab File: BG022993.D

Acq: 10 Jul 2016 10:09

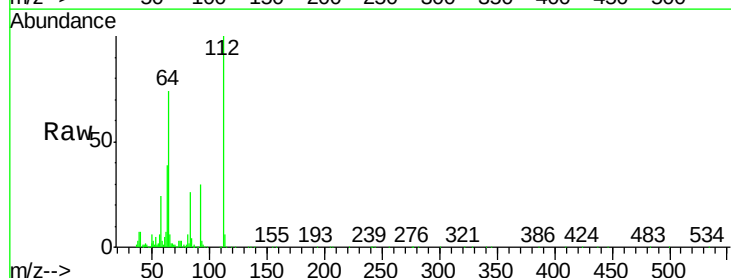
Tgt Ion:112 Resp: 530417

Ion Ratio Lower Upper

112 100

64 73.6 59.0 88.4

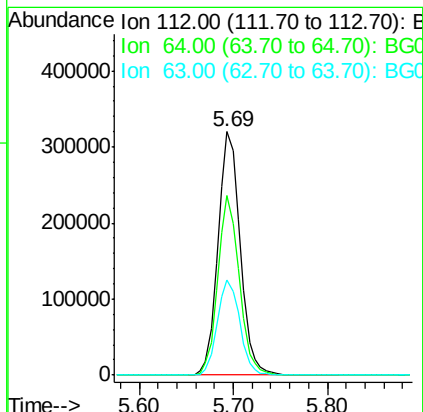
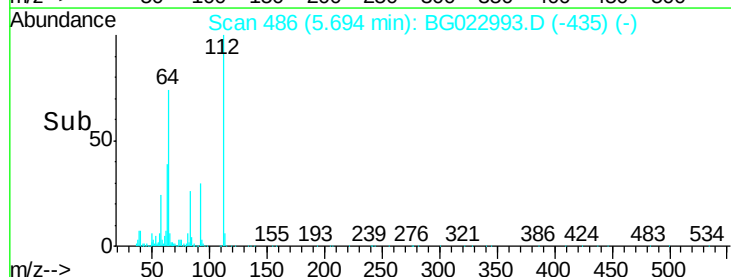
63 38.9 37.8 56.8

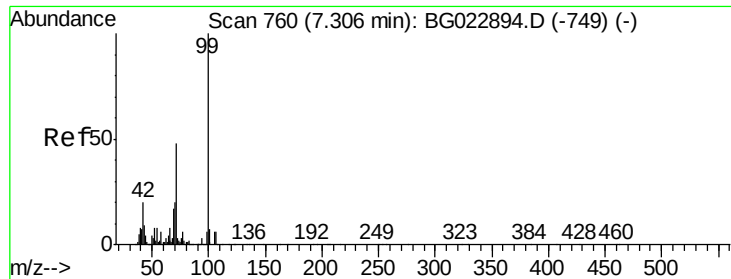


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 79.03 ng

RT: 7.30 min Scan# 760

Delta R.T. -0.00 min

Lab File: BG022993.D

Acq: 10 Jul 2016 10:09

Instrument :

BNA_G

ClientSampleId :

3-A-LOCATION-3-0-5FT

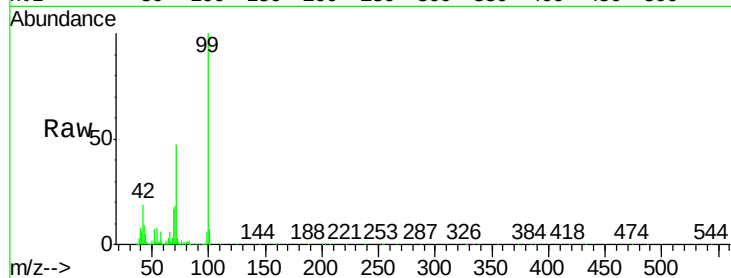
Tgt Ion: 99 Resp: 880402

Ion Ratio Lower Upper

99 100

42 18.8 17.8 26.6

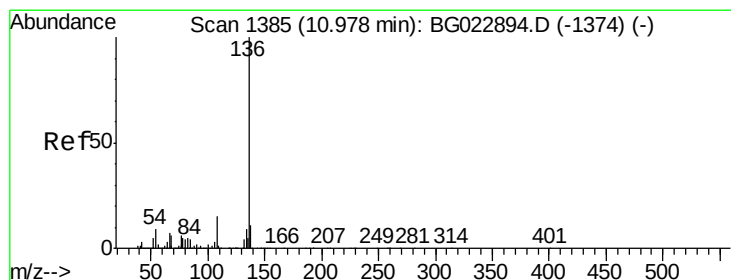
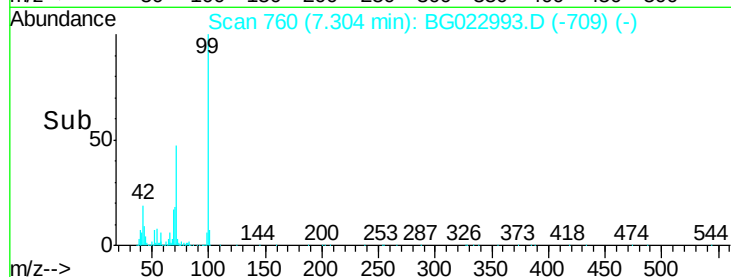
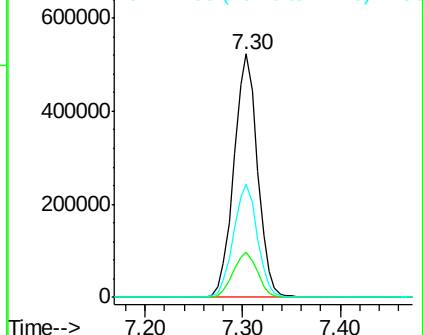
71 46.6 41.5 62.3



Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.98 min Scan# 1386

Delta R.T. 0.00 min

Lab File: BG022993.D

Acq: 10 Jul 2016 10:09

Tgt Ion: 136 Resp: 556167

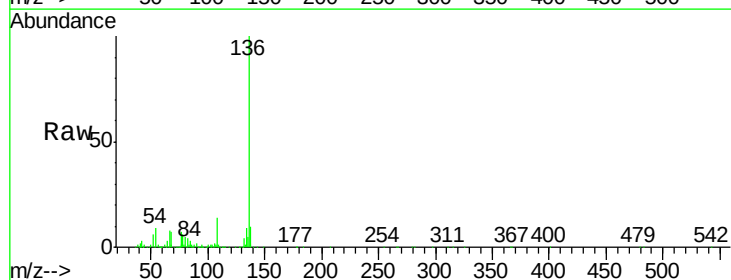
Ion Ratio Lower Upper

136 100

137 9.8 9.6 14.4

54 8.9 7.3 10.9

68 6.8 5.3 7.9

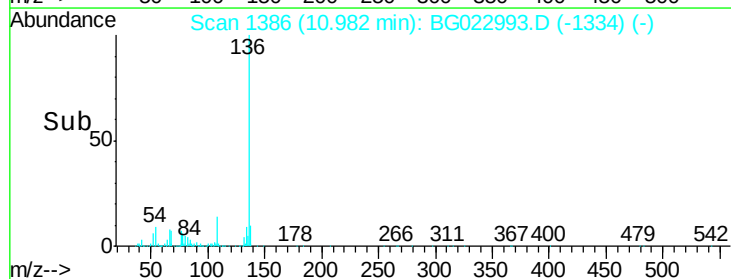
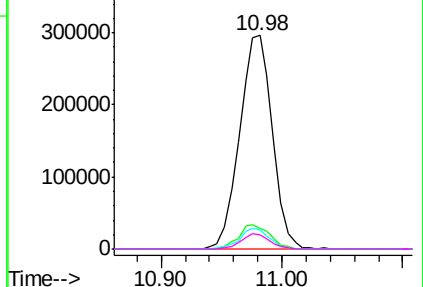


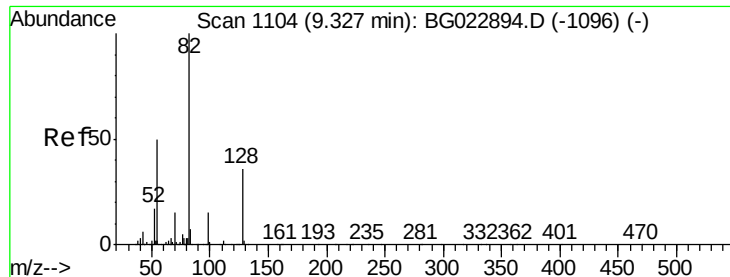
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

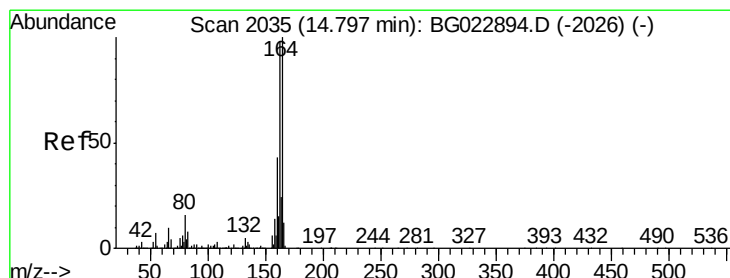
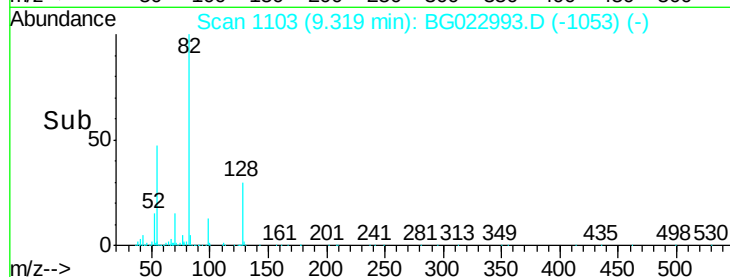
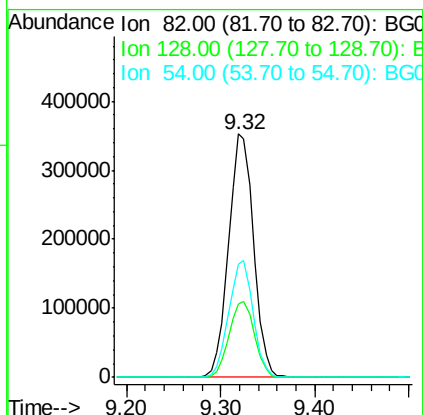
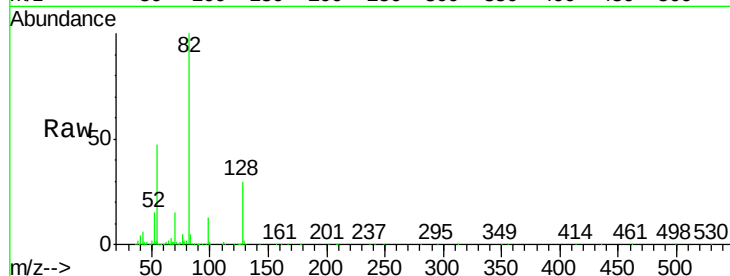




#23
 Nitrobenzene-d5
 Concen: 49.90 ng
 RT: 9.32 min Scan# 1103
 Delta R.T. -0.01 min
 Lab File: BG022993.D
 Acq: 10 Jul 2016 10:09

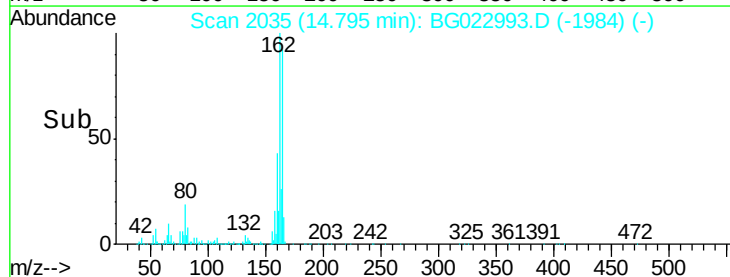
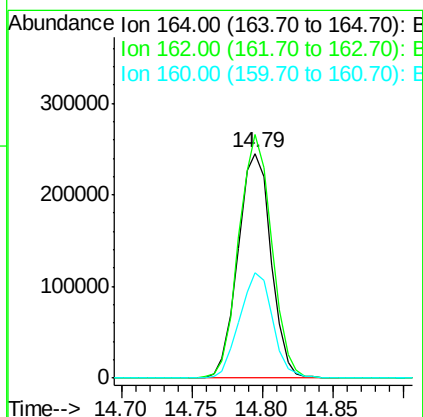
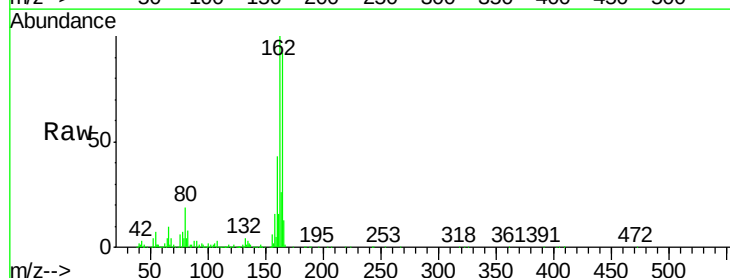
Instrument :
 BNA_G
 ClientSampleId :
 3-A-LOCATION-3-0-5FT

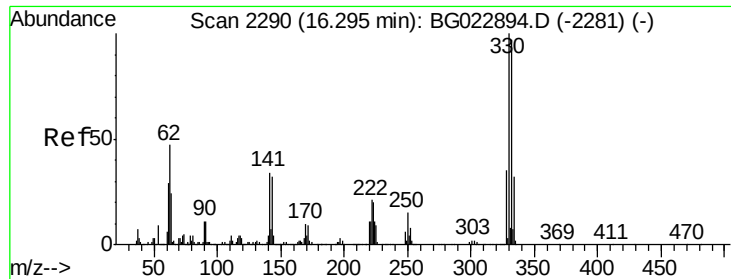
Tgt Ion	Ratio	Lower	Upper
82	100		
128	30.0	24.4	36.6
54	46.7	41.4	62.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.79 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: BG022993.D
 Acq: 10 Jul 2016 10:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.3	87.7	131.5
160	47.1	37.2	55.8

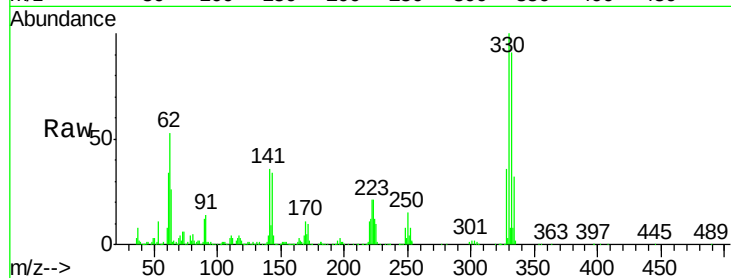




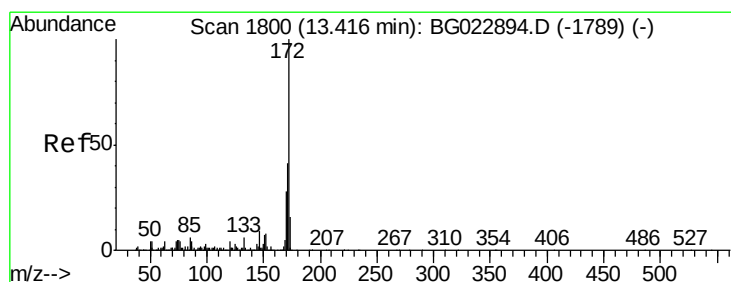
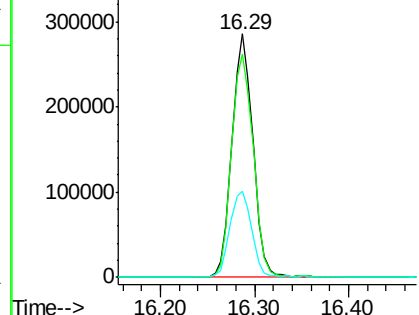
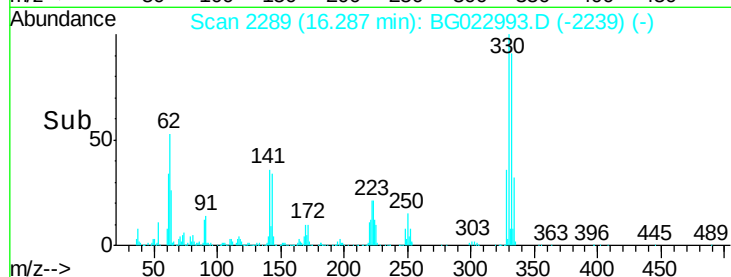
#41
 2,4,6-Tribromophenol
 Concen: 61.37 ng
 RT: 16.29 min Scan# 2289
 Delta R.T. -0.01 min
 Lab File: BG022993.D
 Acq: 10 Jul 2016 10:09

Instrument :
 BNA_G
 ClientSampleId :
 3-A-LOCATION-3-0-5FT

Tgt Ion:330 Resp: 443151
 Ion Ratio Lower Upper
 330 100
 332 94.7 77.4 116.2
 141 37.1 31.7 47.5

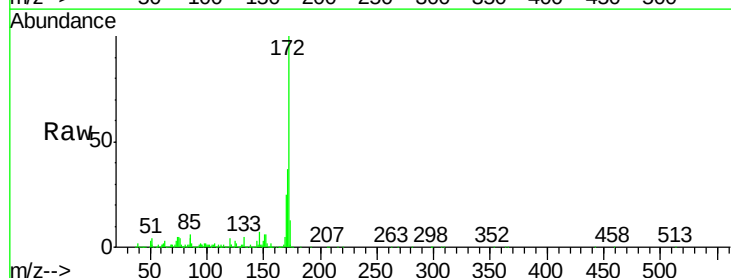


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

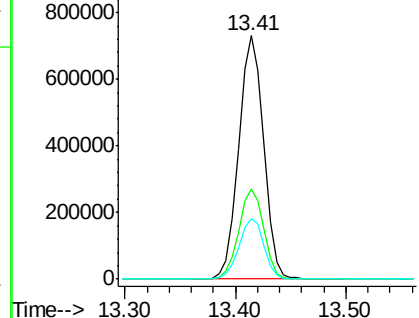
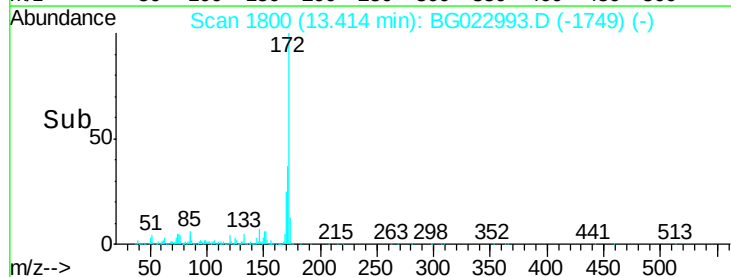


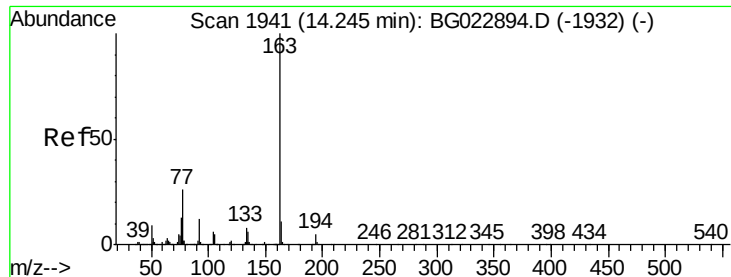
#44
 2-Fluorobiphenyl
 Concen: 45.43 ng
 RT: 13.41 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: BG022993.D
 Acq: 10 Jul 2016 10:09

Tgt Ion:172 Resp: 1158975
 Ion Ratio Lower Upper
 172 100
 171 37.1 31.6 47.4
 170 25.1 21.3 31.9



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: 7.03 ng

RT: 14.24 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG022993.D

Acq: 10 Jul 2016 10:09

Instrument :

BNA_G

ClientSampleId :

3-A-LOCATION-3-0-5FT

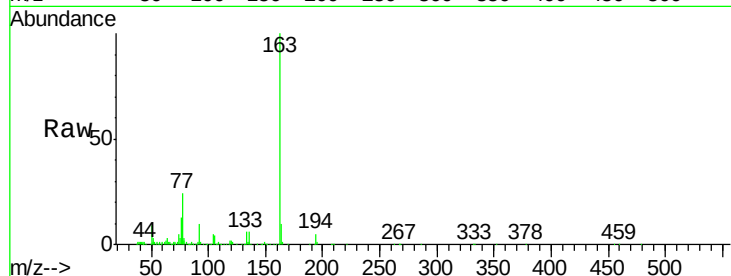
Tgt Ion:163 Resp: 230878

Ion Ratio Lower Upper

163 100

194 4.9 3.6 5.4

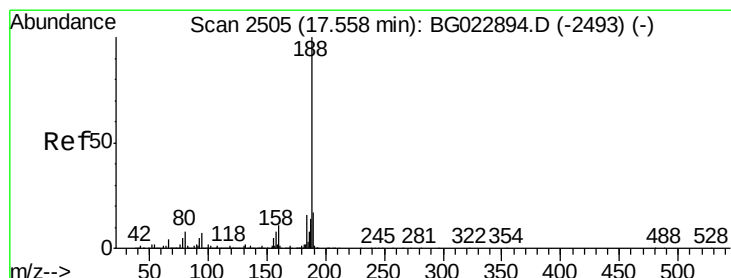
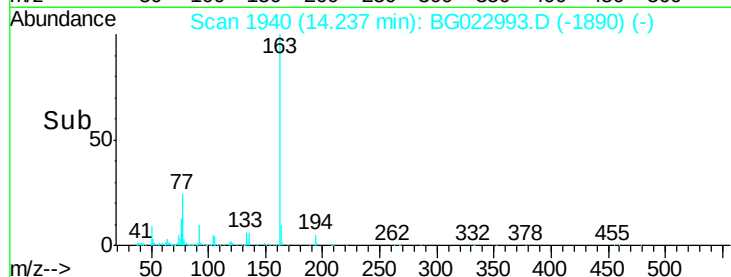
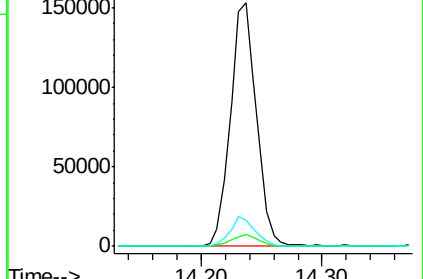
164 10.5 8.1 12.1



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.55 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BG022993.D

Acq: 10 Jul 2016 10:09

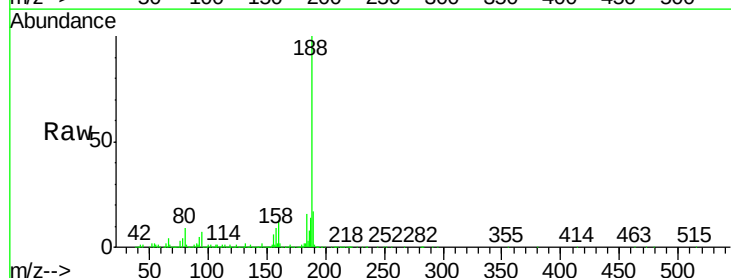
Tgt Ion:188 Resp: 900300

Ion Ratio Lower Upper

188 100

94 6.8 5.2 7.8

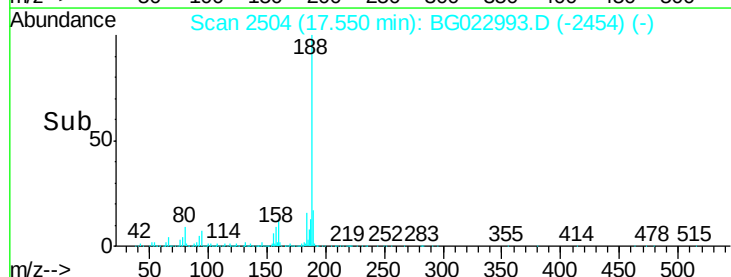
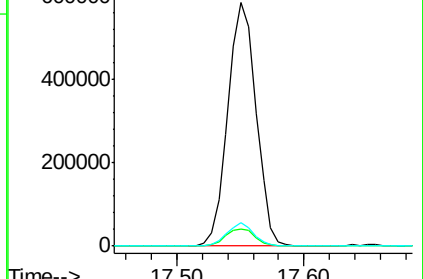
80 9.5 7.2 10.8

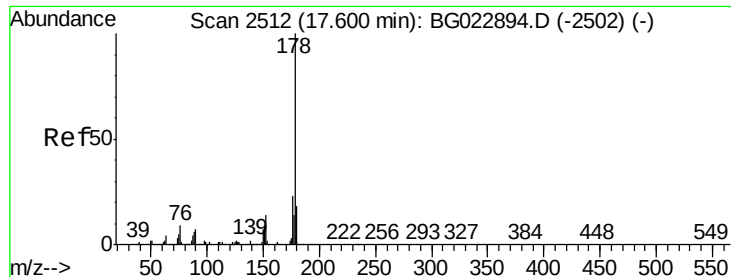


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 3.83 ng

RT: 17.59 min Scan# 2511

Delta R.T. -0.01 min

Lab File: BG022993.D

Acq: 10 Jul 2016 10:09

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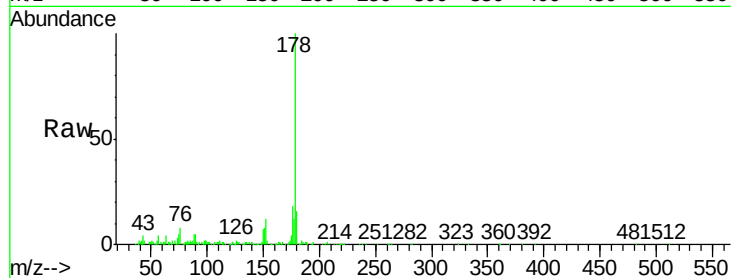
Tgt Ion:178 Resp: 169163

Ion Ratio Lower Upper

178 100

176 17.7 16.8 25.2

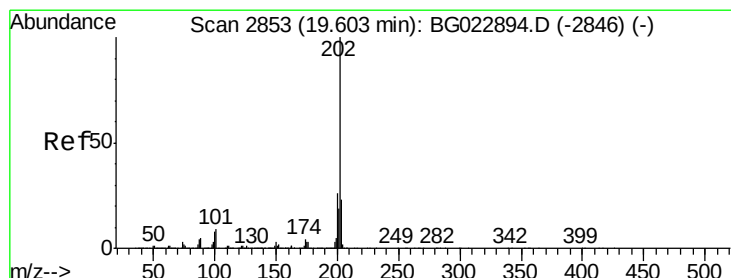
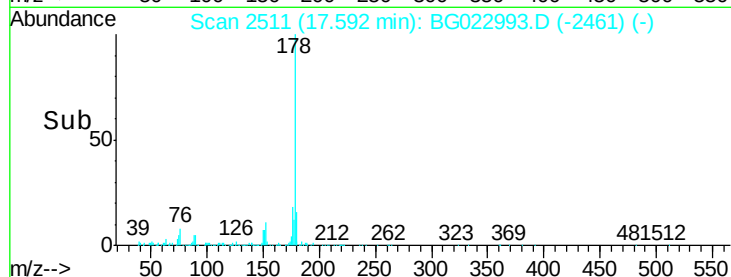
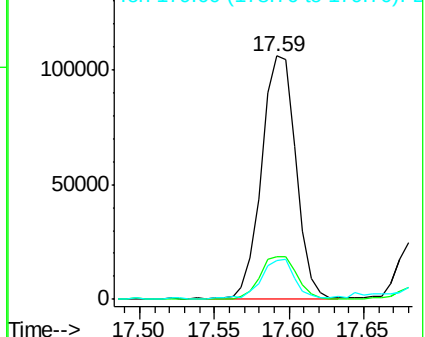
179 16.2 14.3 21.5



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: 6.10 ng

RT: 19.60 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG022993.D

Acq: 10 Jul 2016 10:09

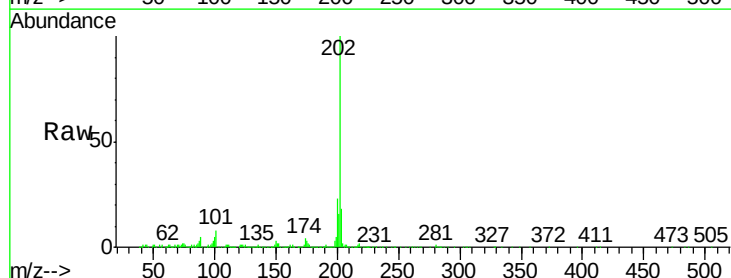
Tgt Ion:202 Resp: 330277

Ion Ratio Lower Upper

202 100

101 8.1 0.0 27.4

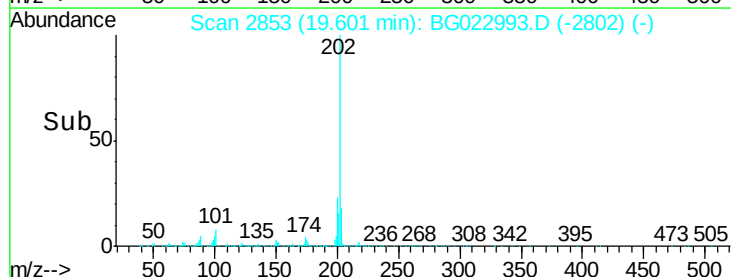
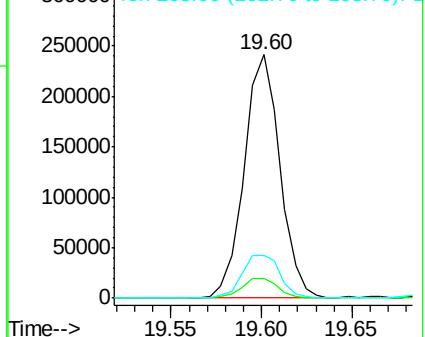
203 17.7 1.7 41.7

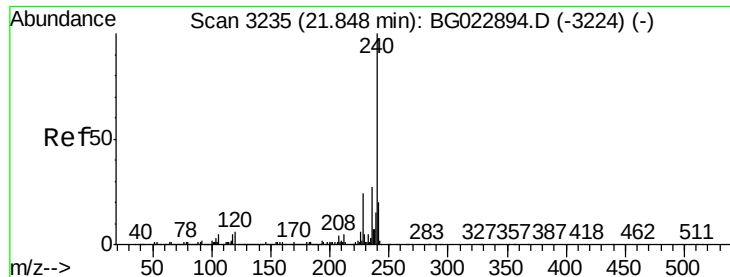


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.85 min Scan# 3236

Delta R.T. 0.00 min

Lab File: BG022993.D

Acq: 10 Jul 2016 10:09

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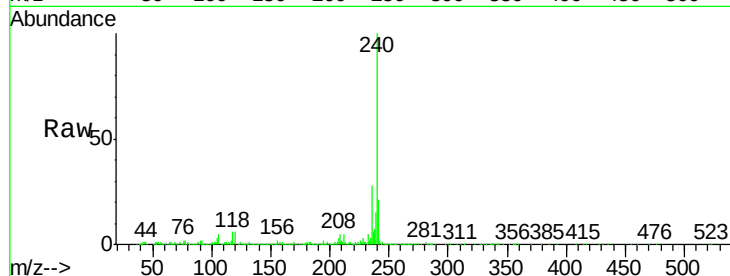
Tgt Ion:240 Resp: 984642

Ion Ratio Lower Upper

240 100

120 5.7 4.1 6.1

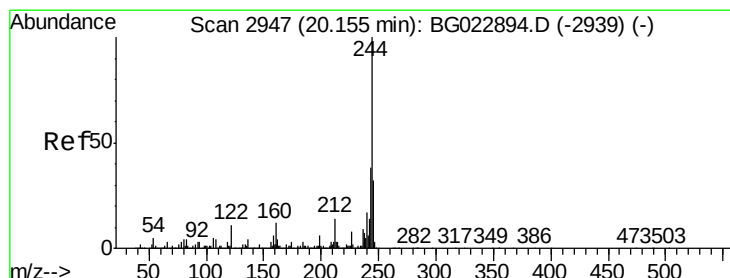
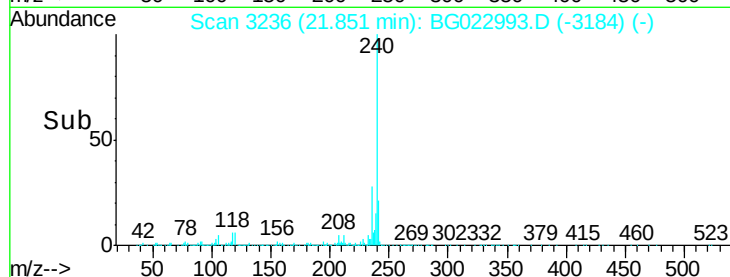
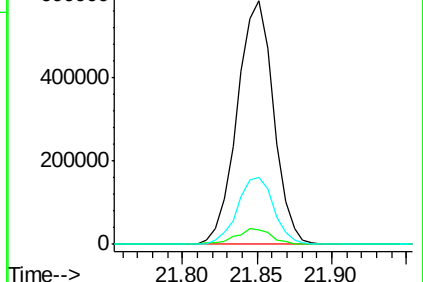
236 27.7 21.1 31.7



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



#78

Terphenyl-d14

Concen: 39.85 ng

RT: 20.15 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BG022993.D

Acq: 10 Jul 2016 10:09

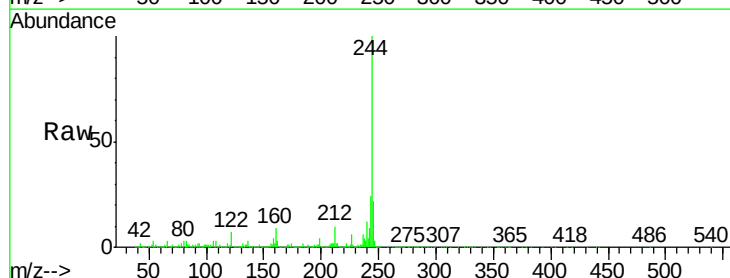
Tgt Ion:244 Resp: 1546799

Ion Ratio Lower Upper

244 100

212 9.7 10.8 16.2#

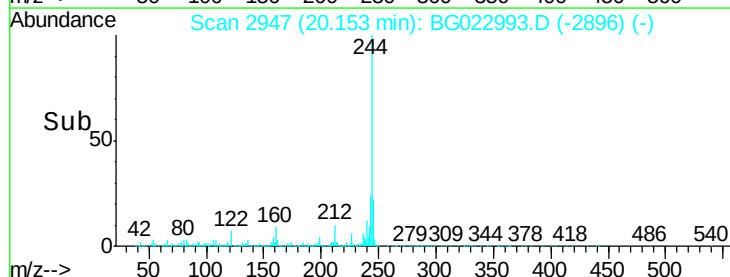
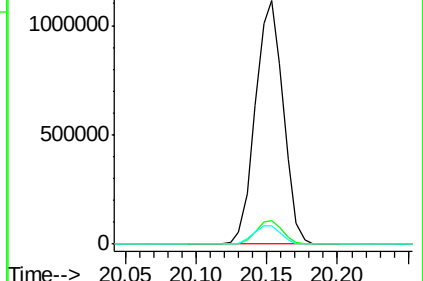
122 7.3 8.0 12.0#

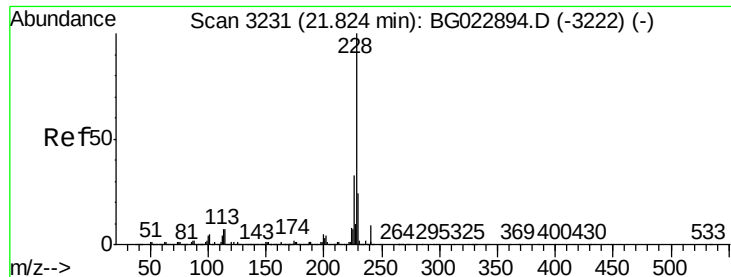


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.86 ng

RT: 21.89 min Scan# 3243

Delta R.T. 0.07 min

Lab File: BG022993.D

Acq: 10 Jul 2016 10:09

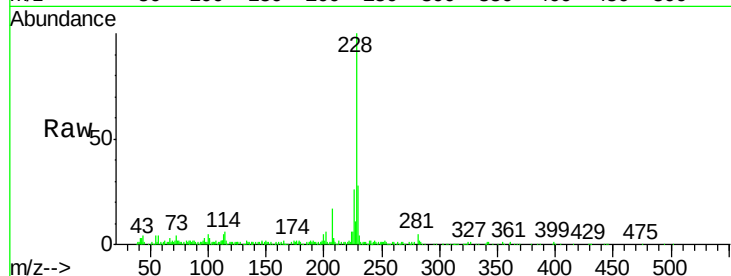
Instrument :

BNA_G

ClientSampleId :

3-A-LOCATION-3-0-5FT

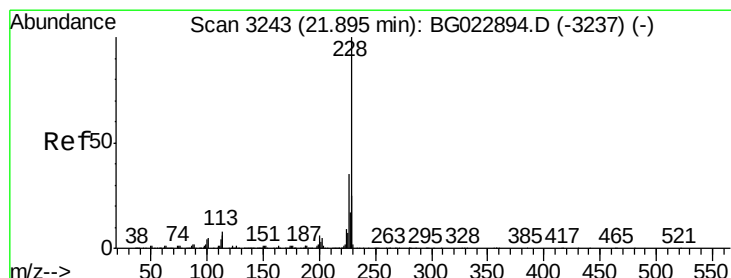
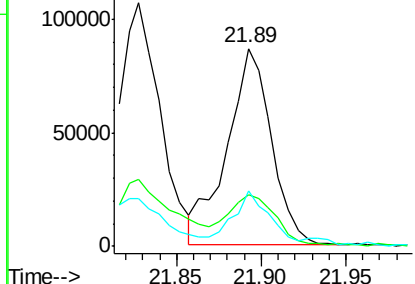
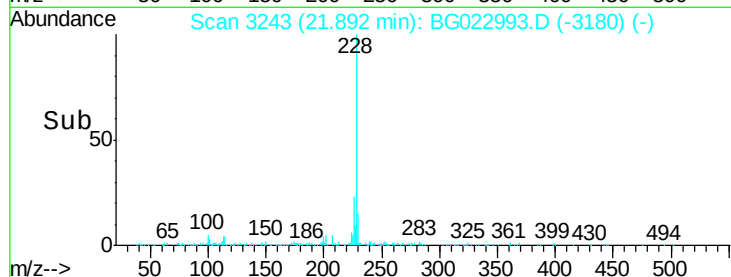
Tgt Ion:	228	Resp:	157535
Ion	Ratio	Lower	Upper
228	100		
226	26.1	25.3	37.9
229	27.9	19.9	29.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 3.62 ng

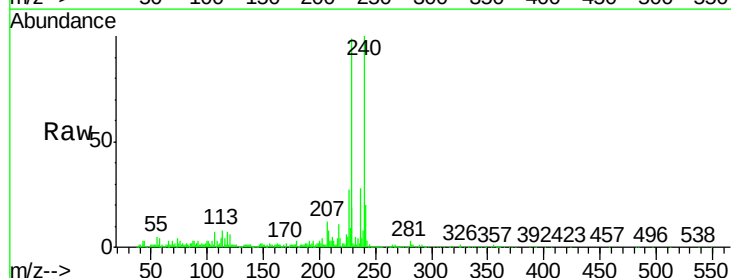
RT: 21.83 min Scan# 3232

Delta R.T. -0.07 min

Lab File: BG022993.D

Acq: 10 Jul 2016 10:09

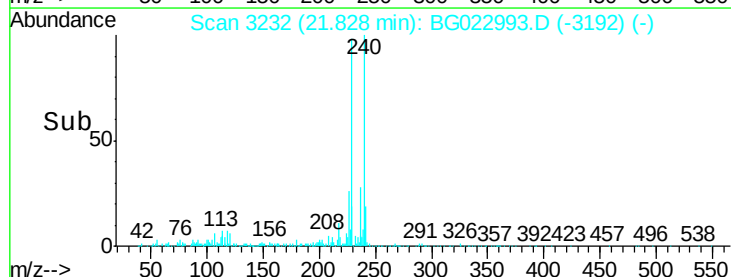
Tgt Ion:	228	Resp:	186956
Ion	Ratio	Lower	Upper
228	100		
226	27.6	26.7	40.1
229	19.5	17.4	26.2



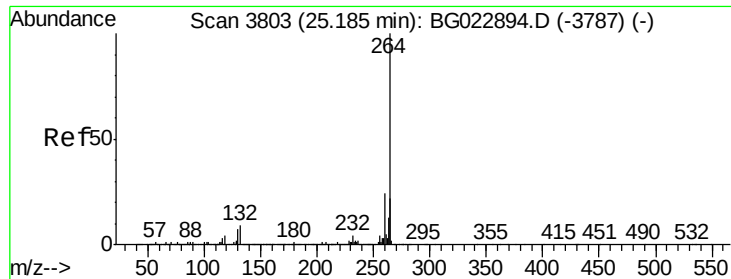
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->

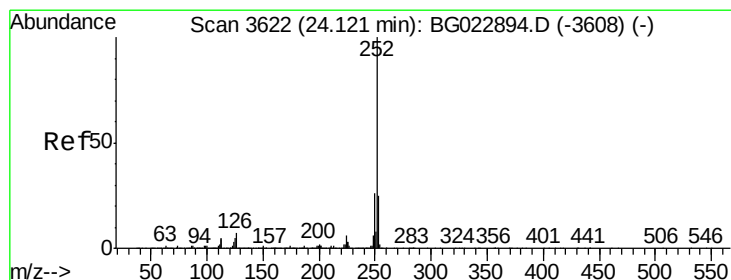
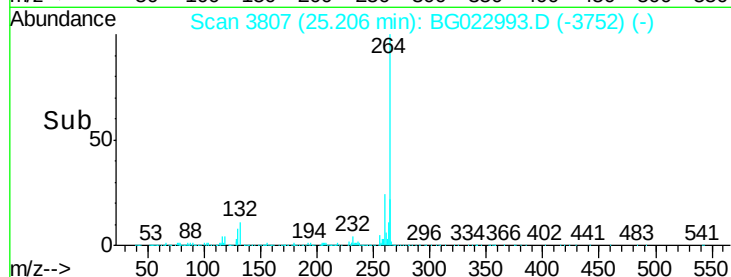
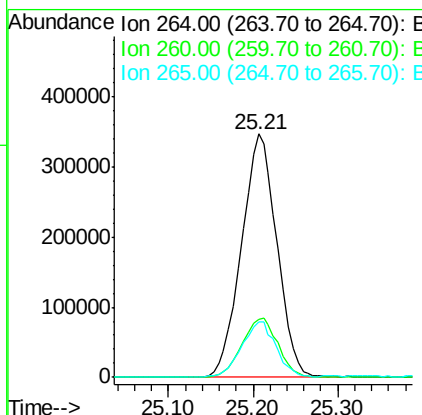
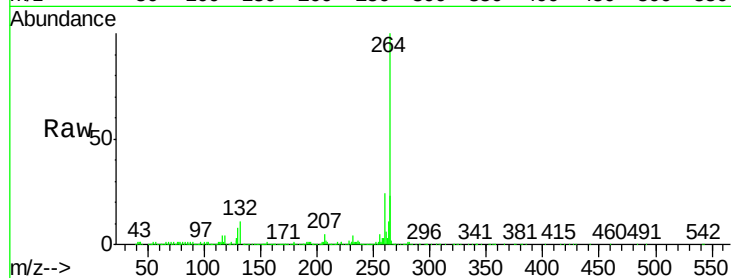


#86
Perylene-d12
Concen: 20.00 ng
RT: 25.21 min Scan# 3807
Delta R.T. 0.02 min
Lab File: BG022993.D
Acq: 10 Jul 2016 10:09

Instrument :
BNA_G
ClientSampleId :
3-A-LOCATION-3-0-5FT

Tgt Ion:264 Resp: 1005956

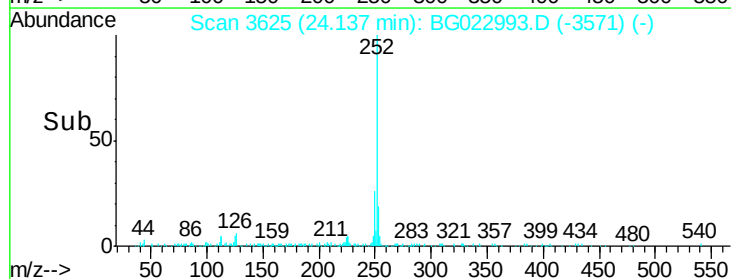
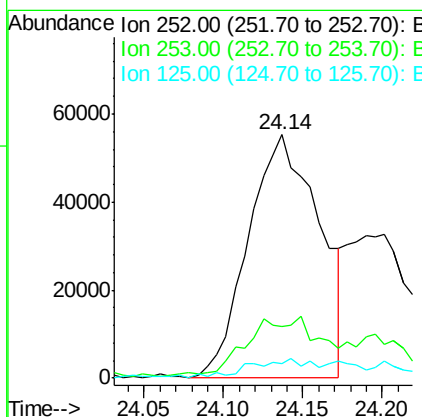
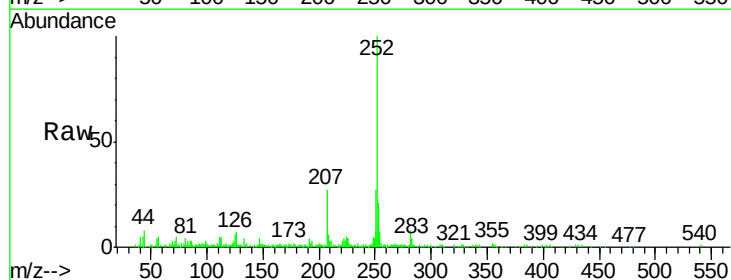
Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.4	27.6
265	22.6	18.9	28.3

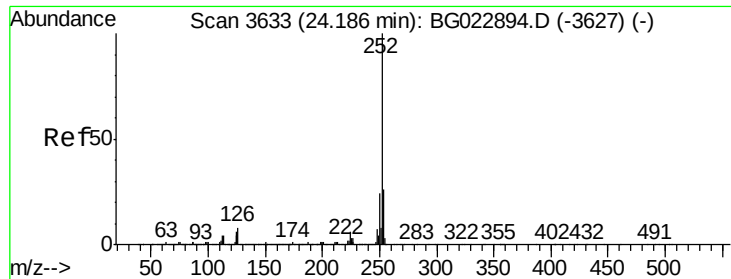


#87
Benzo(b)fluoranthene
Concen: 2.94 ng
RT: 24.14 min Scan# 3625
Delta R.T. 0.02 min
Lab File: BG022993.D
Acq: 10 Jul 2016 10:09

Tgt Ion:252 Resp: 170642

Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.9	28.3
125	5.7	3.9	5.9

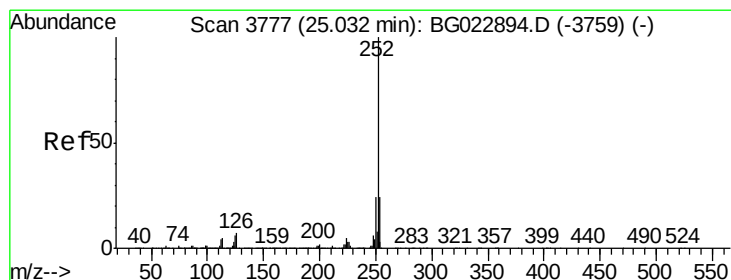
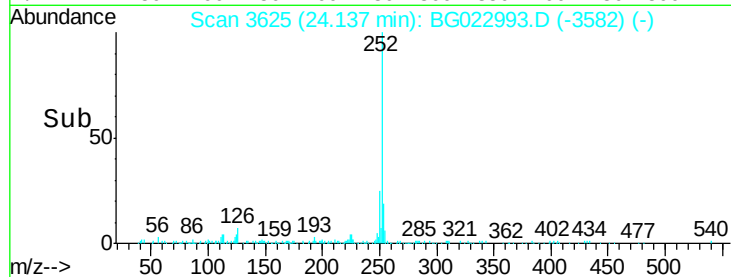
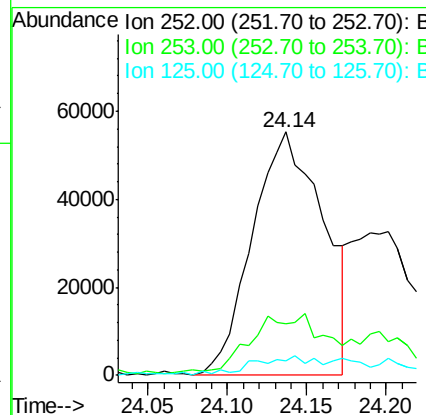
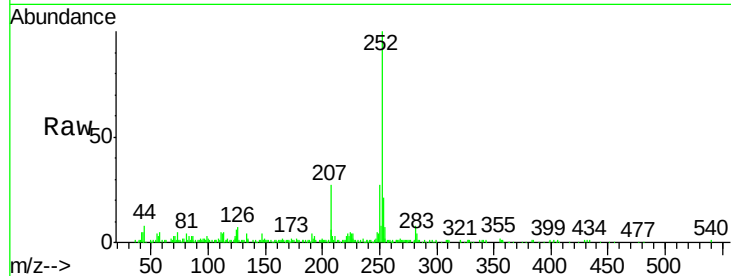




#88
Benzo(k)fluoranthene
Concen: 3.10 ng
RT: 24.14 min Scan# 3625
Delta R.T. -0.05 min
Lab File: BG022993.D
Acq: 10 Jul 2016 10:09

Instrument :
BNA_G
ClientSampleId :
3-A-LOCATION-3-0-5FT

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.8	28.2
125	5.7	3.2	4.8#



#89
Benzo(a)pyrene
Concen: 2.47 ng
RT: 25.05 min Scan# 3780
Delta R.T. 0.02 min
Lab File: BG022993.D
Acq: 10 Jul 2016 10:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.7	28.1
125	5.9	3.9	5.9#

