

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071816\
 Data File : BG023167.D
 Acq On : 18 Jul 2016 20:36
 Operator : UM/SJ
 Sample : H4044-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E9-B2(6-12)C

Quant Time: Jul 19 01:39:48 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 19 01:16:03 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	139825	20.00	ng	-0.01
21) Naphthalene-d8	10.93	136	650057	20.00	ng	0.00
38) Acenaphthene-d10	14.75	164	438135	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	943996	20.00	ng	0.00
75) Chrysene-d12	21.74	240	976514	20.00	ng	0.00
86) Perylene-d12	25.03	264	953746	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	778064	91.01	ng	-0.01
7) Phenol-d6	7.27	99	1277482	95.40	ng	-0.01
23) Nitrobenzene-d5	9.28	82	989274	65.16	ng	0.00
41) 2,4,6-Tribromophenol	16.23	330	519613	65.99	ng	0.00
44) 2-Fluorobiphenyl	13.37	172	1851746	66.57	ng	0.00
78) Terphenyl-d14	20.07	244	2224312	66.40	ng	0.00

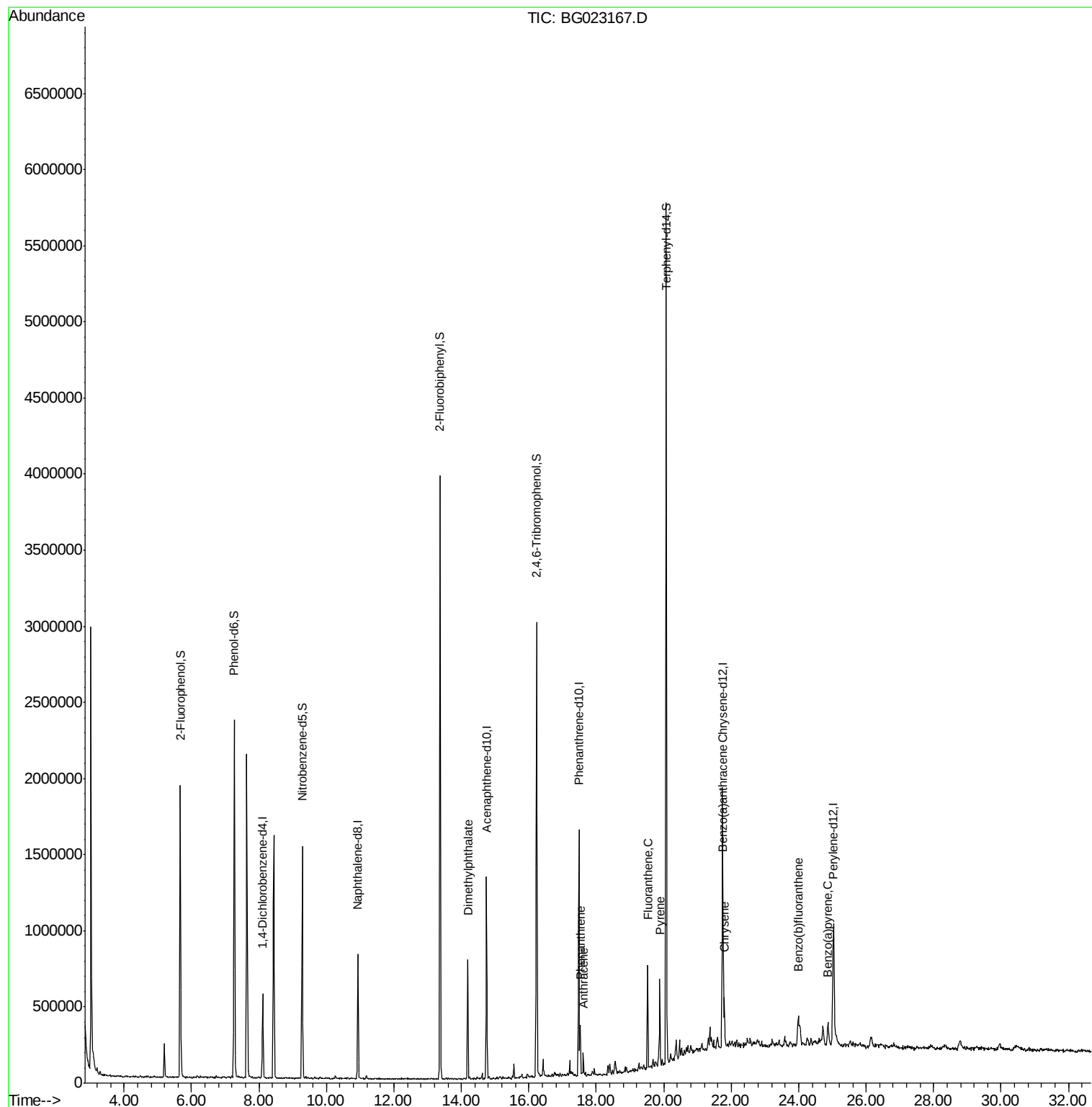
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	14.19	163	484839	13.55	ng	99
70) Phenanthrene	17.53	178	182960	3.95	ng	96
71) Anthracene	17.61	178	94503m	2.02	ng	
74) Fluoranthene	19.52	202	428127	7.54	ng	94
77) Pyrene	19.88	202	363818	6.63	ng	95
80) Benzo(a)anthracene	21.73	228	231205m	4.23	ng	
82) Chrysene	21.80	228	223606	4.36	ng	98
87) Benzo(b)fluoranthene	23.99	252	257454	4.68	ng	# 98
89) Benzo(a)pyrene	24.87	252	181095	3.43	ng	# 94

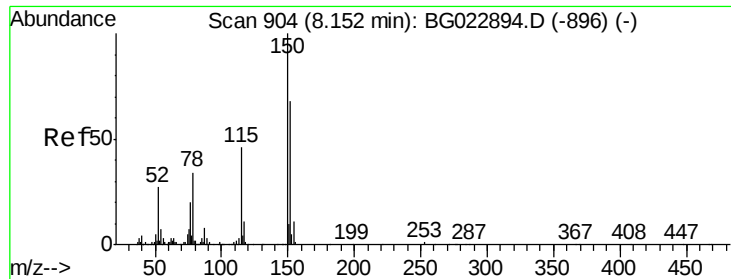
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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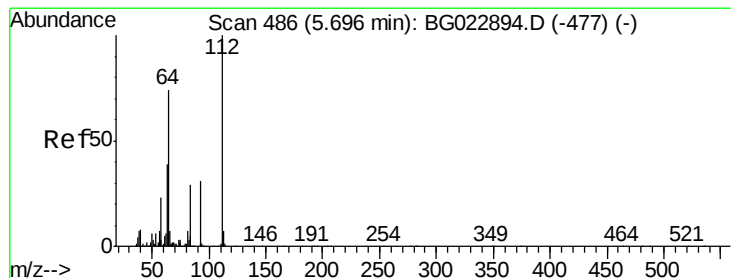
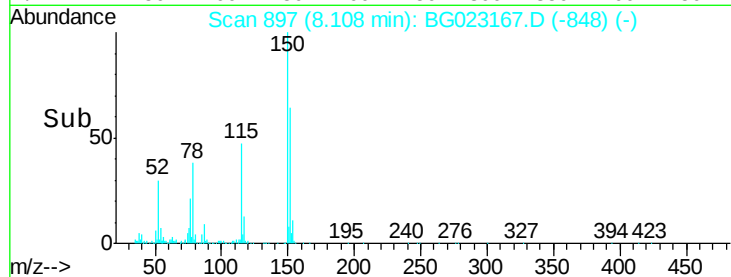
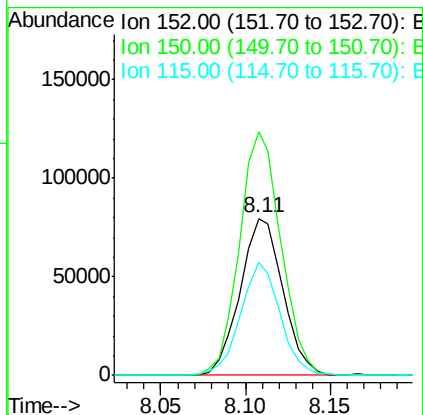
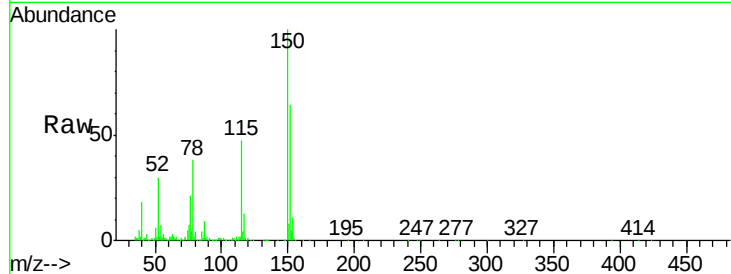


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.11 min Scan# 897
Delta R.T. -0.01 min
Lab File: BG023167.D
Acq: 18 Jul 2016 20:36

Instrument :
BNA_G
ClientSampleId :
E9-B2(6-12)C

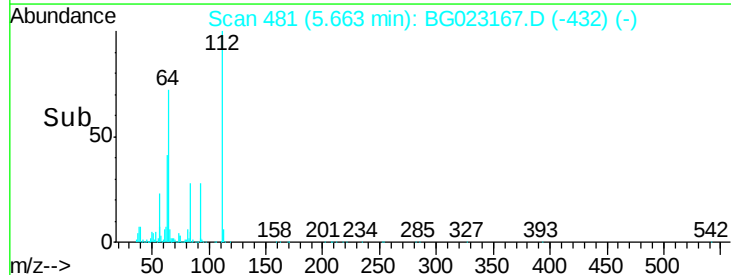
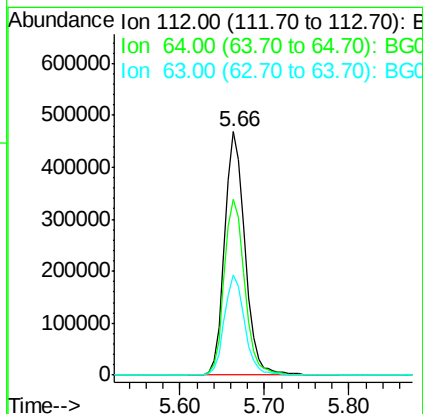
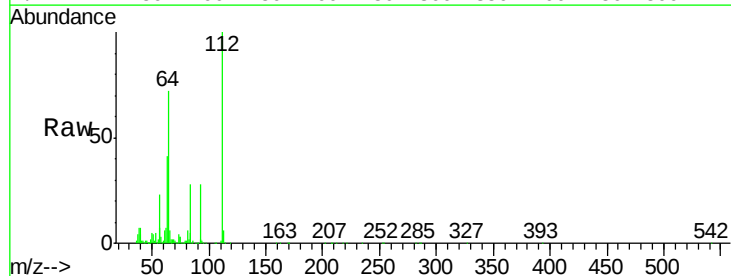
Tgt Ion:152 Resp: 139825
Ion Ratio Lower Upper
152 100
150 155.4 144.7 217.1
115 72.4 64.0 96.0

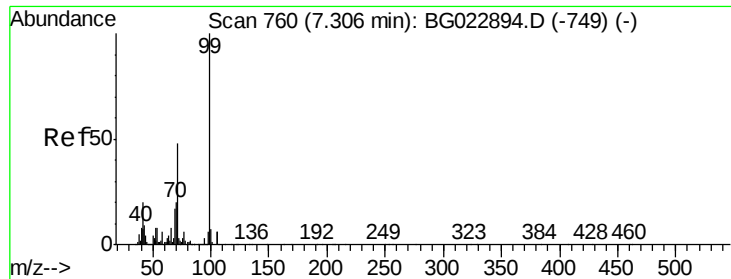


#5

2-Fluorophenol
Concen: 91.01 ng
RT: 5.66 min Scan# 481
Delta R.T. -0.01 min
Lab File: BG023167.D
Acq: 18 Jul 2016 20:36

Tgt Ion:112 Resp: 778064
Ion Ratio Lower Upper
112 100
64 72.2 59.0 88.4
63 41.1 37.8 56.8





#7

Phenol-d6

Concen: 95.40 ng

RT: 7.27 min Scan# 754

Delta R.T. -0.01 min

Lab File: BG023167.D

Acq: 18 Jul 2016 20:36

Instrument :

BNA_G

ClientSampleId :

E9-B2(6-12)C

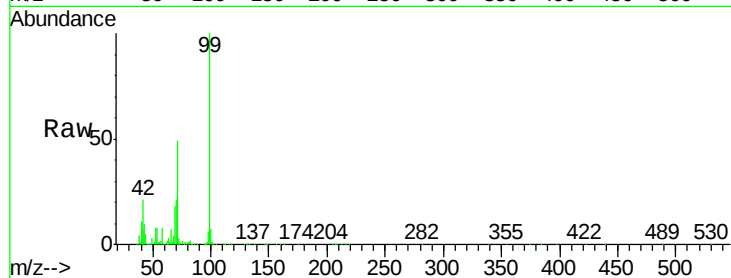
Tgt Ion: 99 Resp: 1277482

Ion Ratio Lower Upper

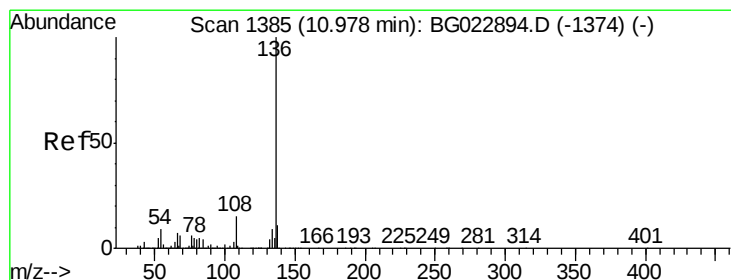
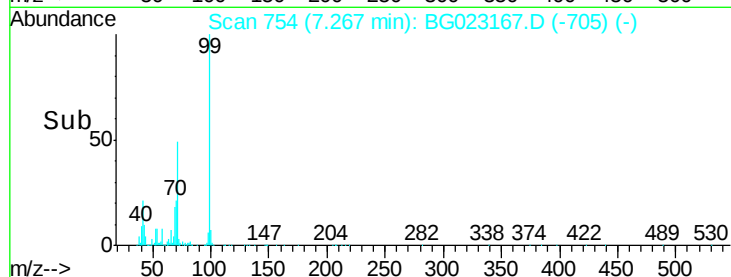
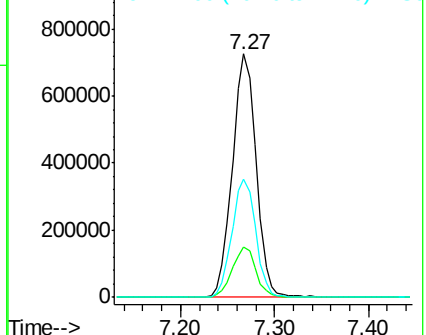
99 100

42 20.6 17.8 26.6

71 48.7 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: 10.93 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BG023167.D

Acq: 18 Jul 2016 20:36

Tgt Ion: 136 Resp: 650057

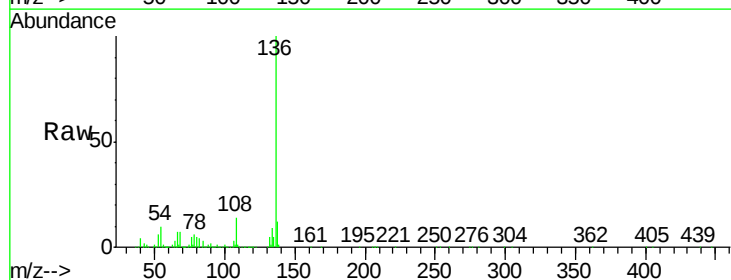
Ion Ratio Lower Upper

136 100

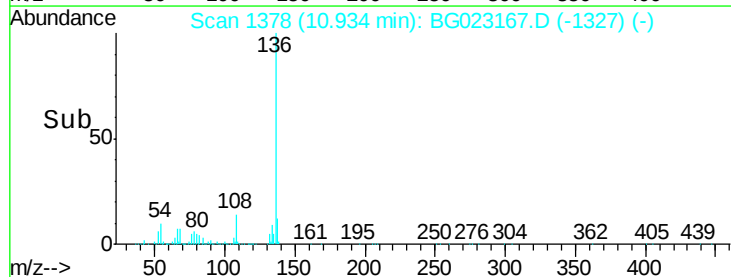
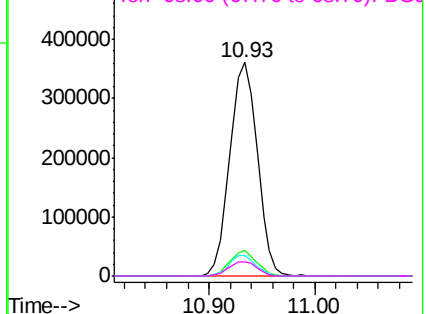
137 11.9 9.6 14.4

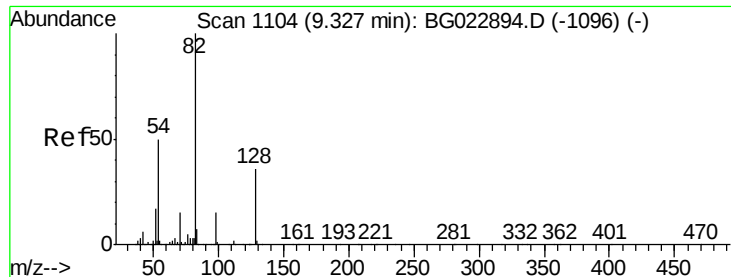
54 9.9 7.3 10.9

68 6.9 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

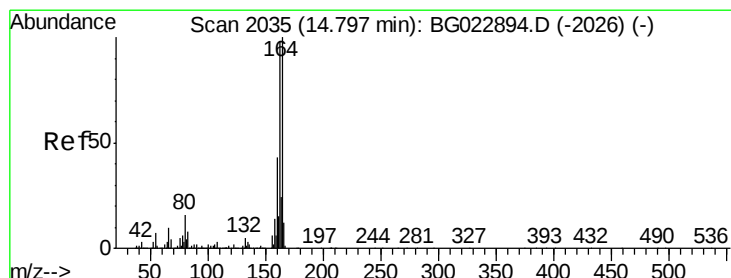
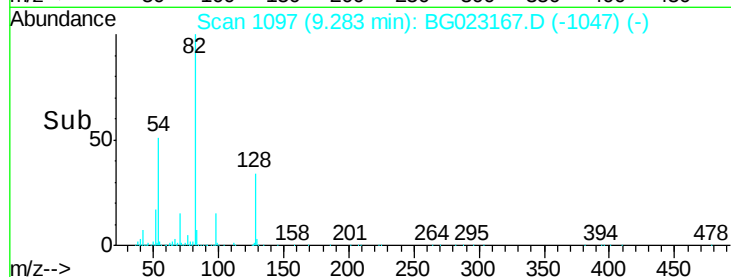
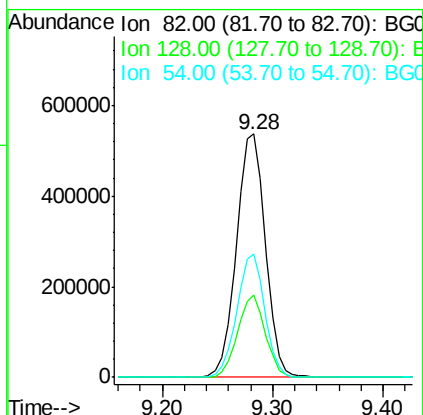
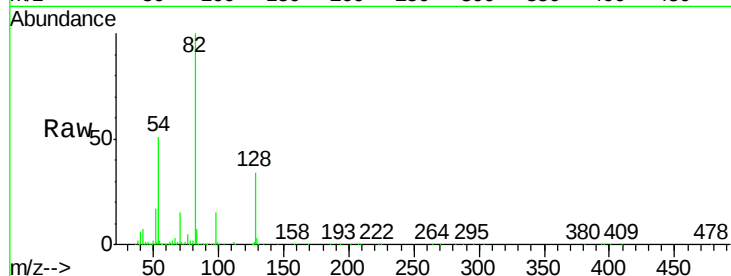




#23
 Nitrobenzene-d5
 Concen: 65.16 ng
 RT: 9.28 min Scan# 1097
 Delta R.T. -0.01 min
 Lab File: BG023167.D
 Acq: 18 Jul 2016 20:36

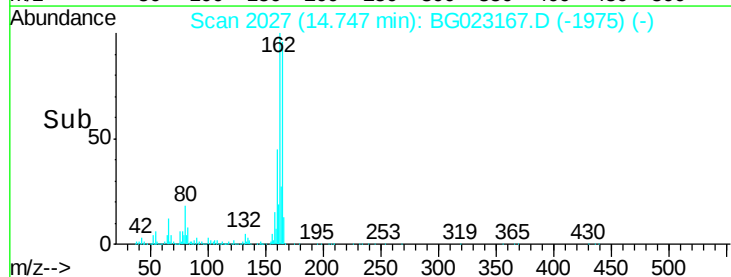
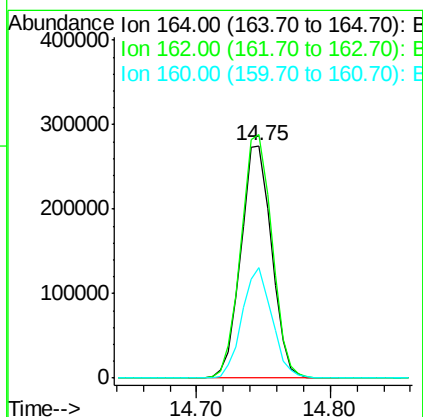
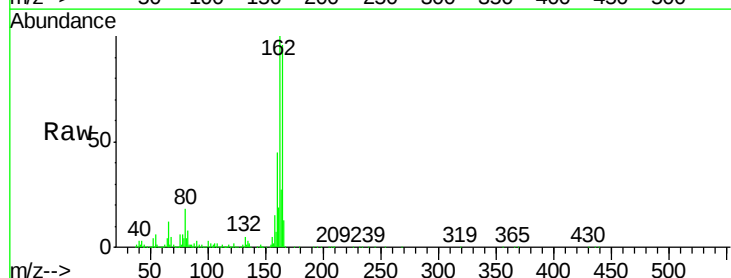
Instrument :
 BNA_G
 ClientSampleId :
 E9-B2(6-12)C

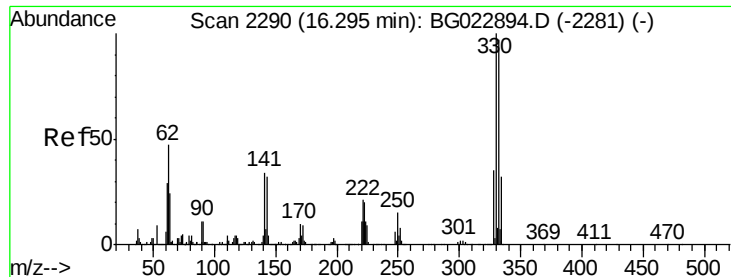
Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.8	24.4	36.6
54	50.6	41.4	62.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.75 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: BG023167.D
 Acq: 18 Jul 2016 20:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	87.7	131.5
160	47.5	37.2	55.8





#41

2,4,6-Tribromophenol

Concen: 65.99 ng

RT: 16.23 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BG023167.D

Acq: 18 Jul 2016 20:36

Instrument :

BNA_G

ClientSampleId :

E9-B2(6-12)C

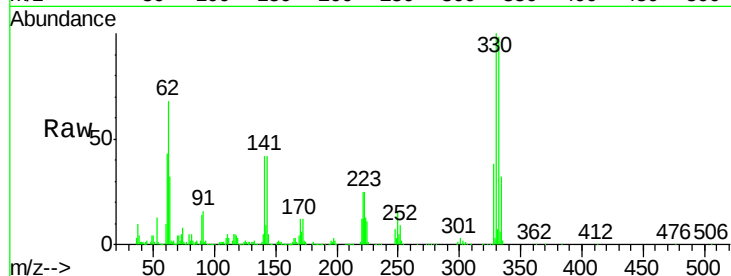
Tgt Ion:330 Resp: 519613

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.2

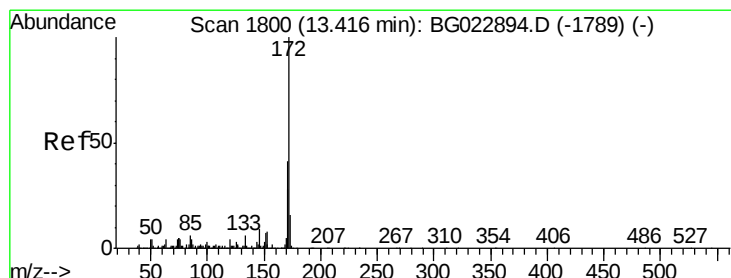
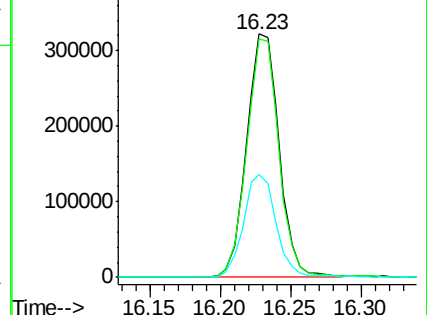
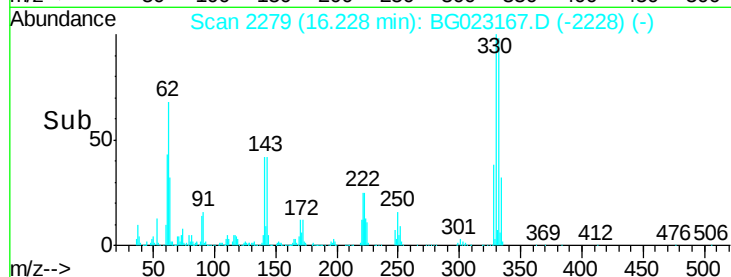
141 43.0 31.7 47.5



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: 66.57 ng

RT: 13.37 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BG023167.D

Acq: 18 Jul 2016 20:36

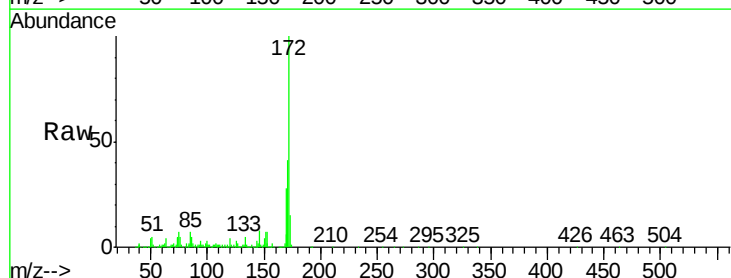
Tgt Ion:172 Resp: 1851746

Ion Ratio Lower Upper

172 100

171 40.9 31.6 47.4

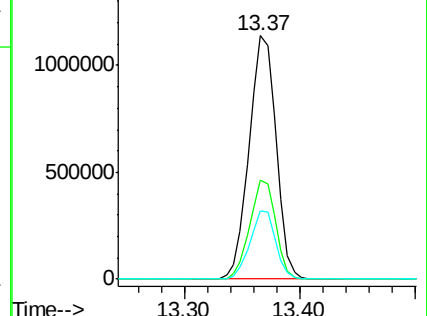
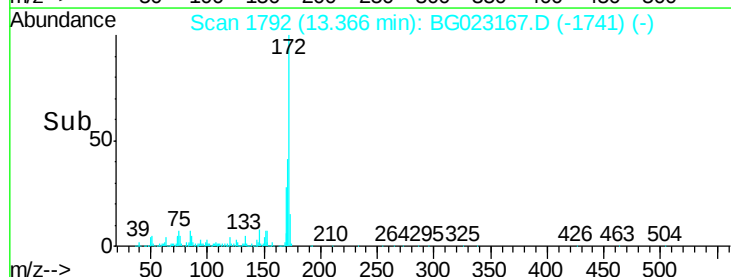
170 28.0 21.3 31.9



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: 13.55 ng

RT: 14.19 min Scan# 1932

Delta R.T. -0.00 min

Lab File: BG023167.D

Acq: 18 Jul 2016 20:36

Instrument :

BNA_G

ClientSampleId :

E9-B2(6-12)C

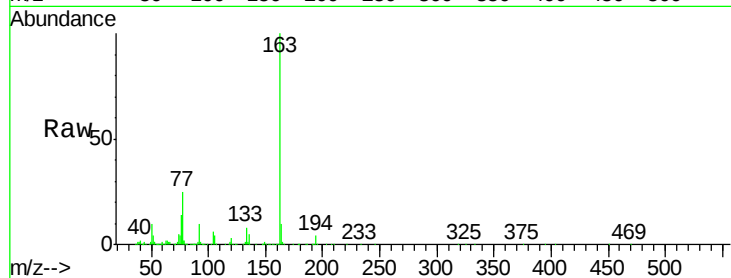
Tgt Ion:163 Resp: 484839

Ion Ratio Lower Upper

163 100

194 4.5 3.6 5.4

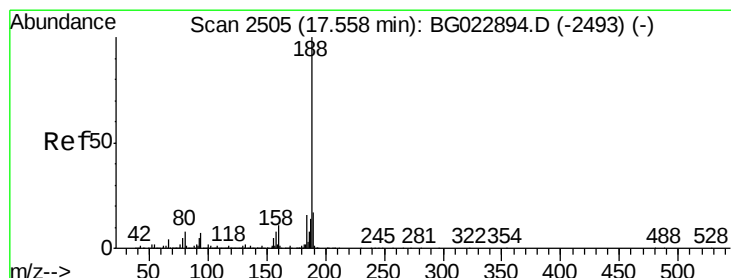
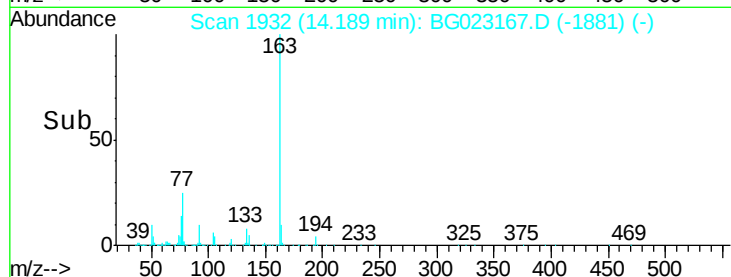
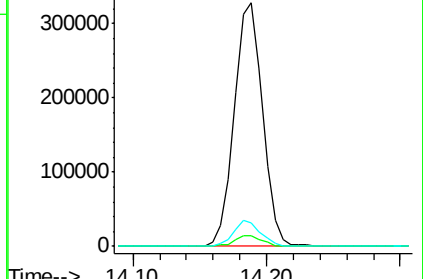
164 9.7 8.1 12.1



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: 17.48 min Scan# 2493

Delta R.T. 0.00 min

Lab File: BG023167.D

Acq: 18 Jul 2016 20:36

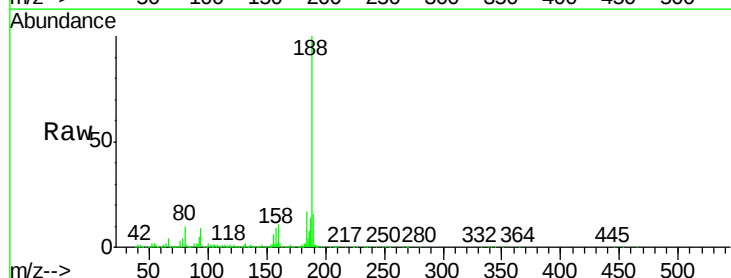
Tgt Ion:188 Resp: 943996

Ion Ratio Lower Upper

188 100

94 8.6 5.2 7.8#

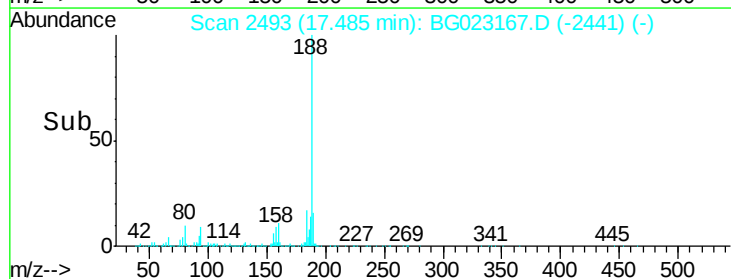
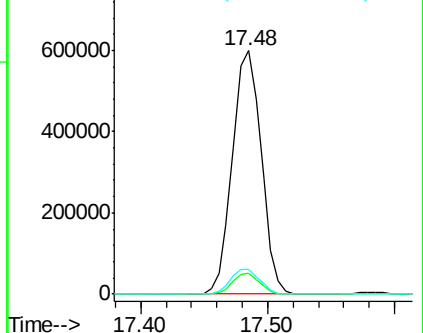
80 10.0 7.2 10.8

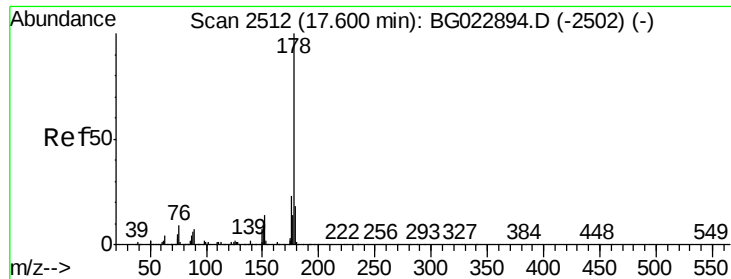


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 3.95 ng

RT: 17.53 min Scan# 2500

Delta R.T. 0.00 min

Lab File: BG023167.D

Acq: 18 Jul 2016 20:36

Instrument :

BNA_G

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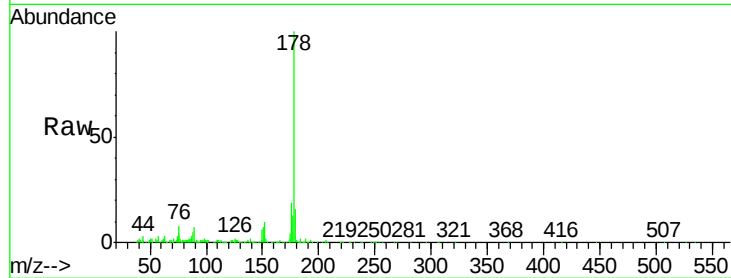
Tgt Ion:178 Resp: 182960

Ion Ratio Lower Upper

178 100

176 18.6 16.8 25.2

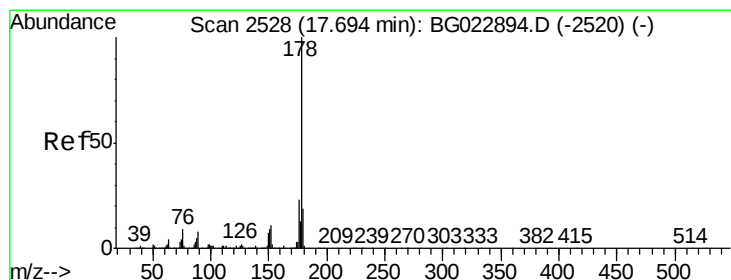
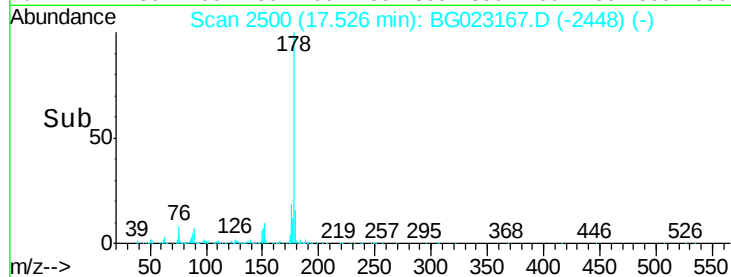
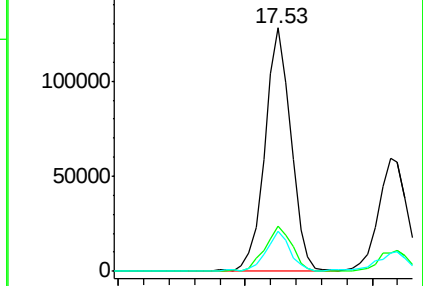
179 16.4 14.3 21.5



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



#71

Anthracene

Concen: 2.02 ng m

RT: 17.61 min Scan# 2515

Delta R.T. -0.00 min

Lab File: BG023167.D

Acq: 18 Jul 2016 20:36

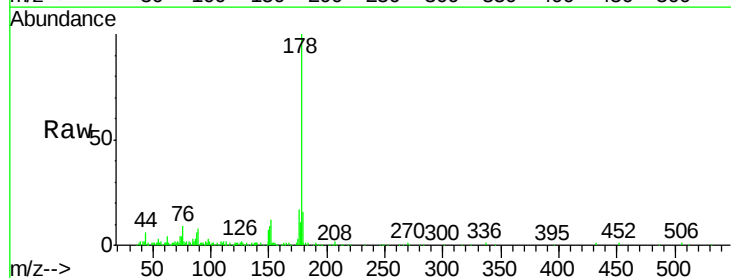
Tgt Ion:178 Resp: 94503

Ion Ratio Lower Upper

178 100

176 16.5 17.3 25.9#

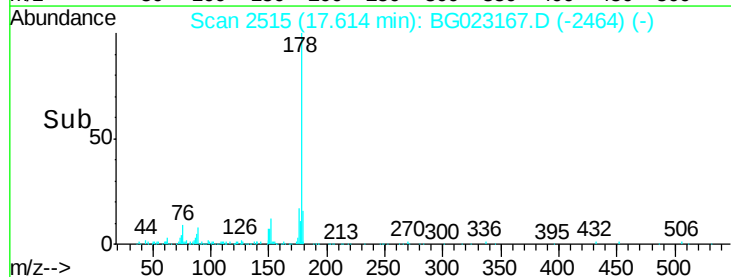
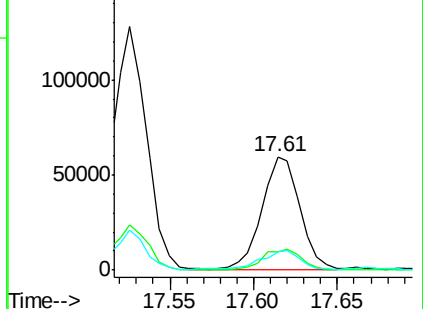
179 16.2 14.0 21.0

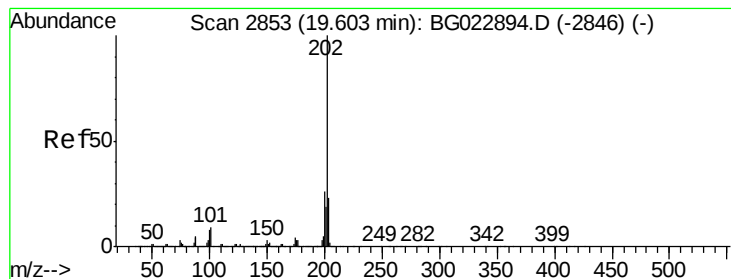


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.54 ng

RT: 19.52 min Scan# 2840

Delta R.T. 0.00 min

Lab File: BG023167.D

Acq: 18 Jul 2016 20:36

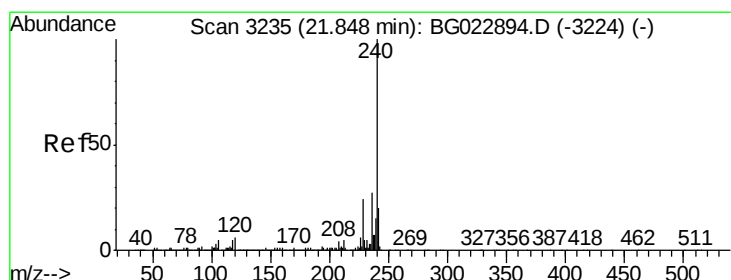
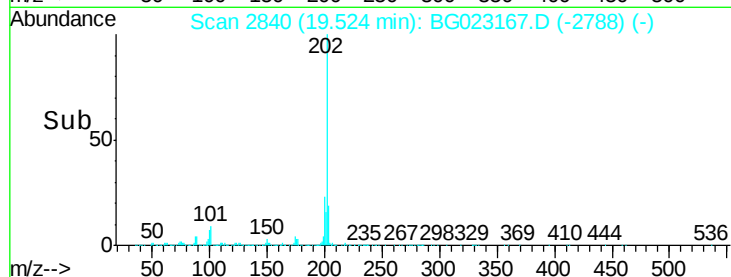
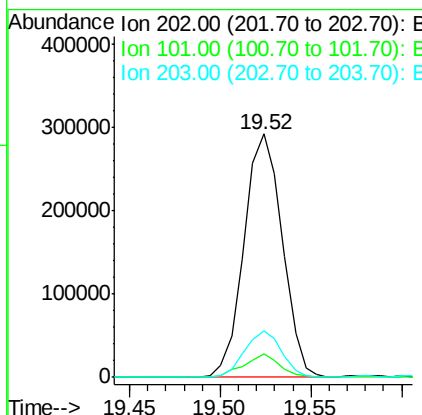
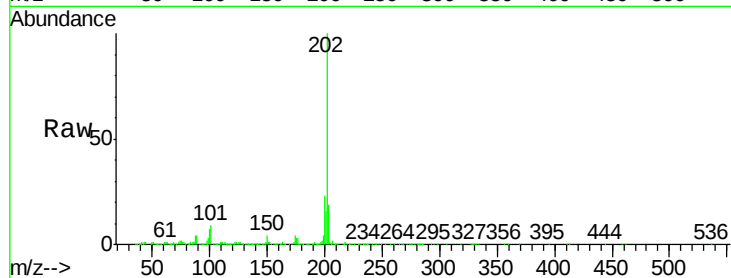
Instrument :

BNA_G

ClientSampleId :

E9-B2(6-12)C

Tgt Ion:	202	Resp:	428127
Ion Ratio		Lower	Upper
202	100		
101	9.4	0.0	27.4
203	18.9	1.7	41.7



#75

Chrysene-d12

Concen: 20.00 ng

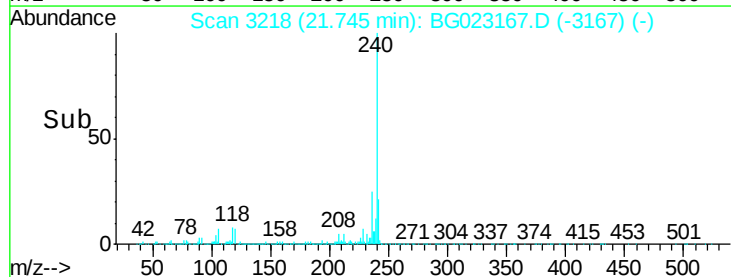
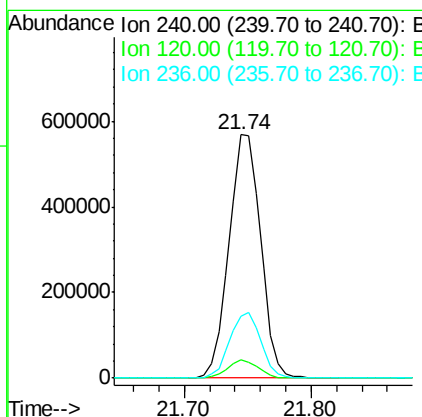
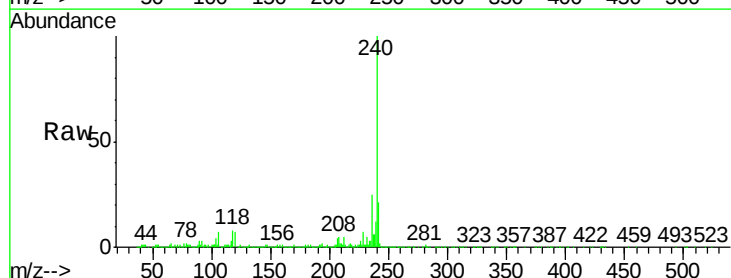
RT: 21.74 min Scan# 3218

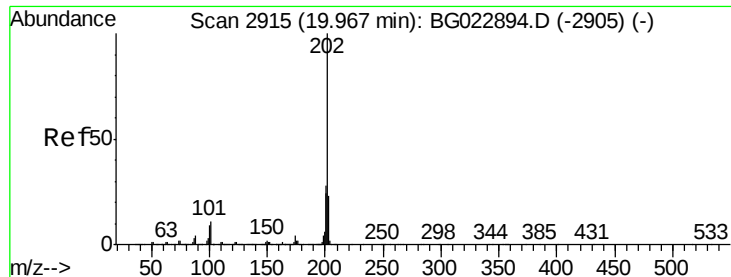
Delta R.T. -0.00 min

Lab File: BG023167.D

Acq: 18 Jul 2016 20:36

Tgt Ion:	240	Resp:	976514
Ion Ratio		Lower	Upper
240	100		
120	7.3	4.1	6.1#
236	25.3	21.1	31.7





#77

Pyrene

Concen: 6.63 ng

RT: 19.88 min Scan# 2901

Delta R.T. -0.00 min

Lab File: BG023167.D

Acq: 18 Jul 2016 20:36

Instrument :

BNA_G

ClientSampleId :

E9-B2(6-12)C

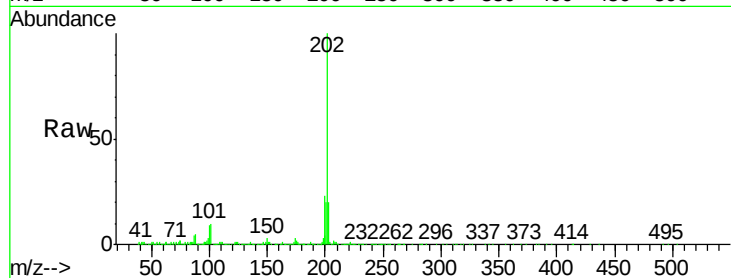
Tgt Ion:202 Resp: 363818

Ion Ratio Lower Upper

202 100

200 22.9 21.2 31.8

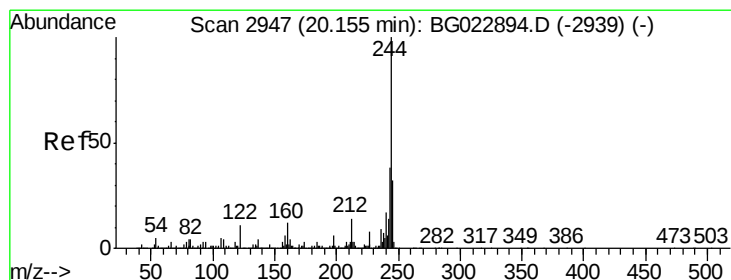
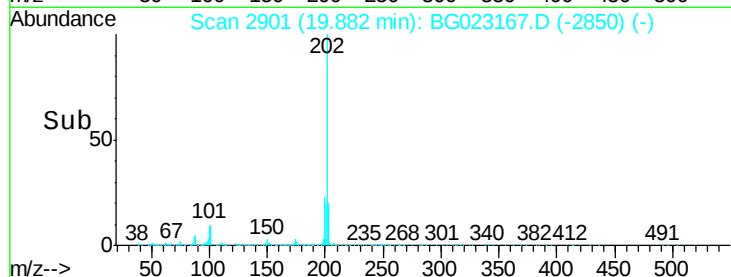
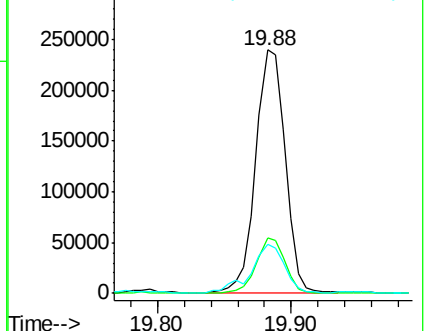
203 20.1 16.8 25.2



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: 66.40 ng

RT: 20.07 min Scan# 2933

Delta R.T. -0.00 min

Lab File: BG023167.D

Acq: 18 Jul 2016 20:36

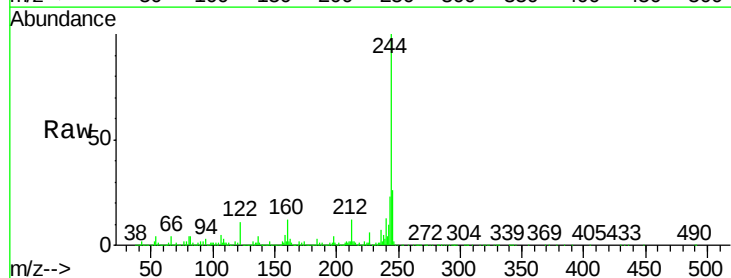
Tgt Ion:244 Resp: 2224312

Ion Ratio Lower Upper

244 100

212 11.5 10.8 16.2

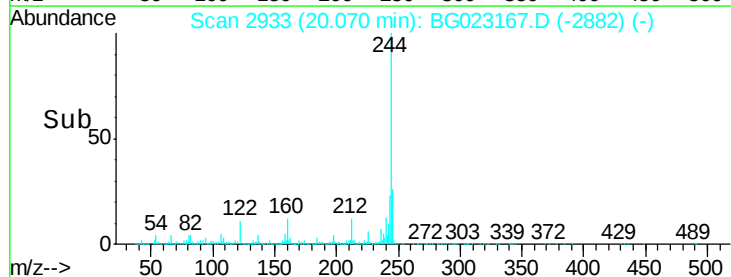
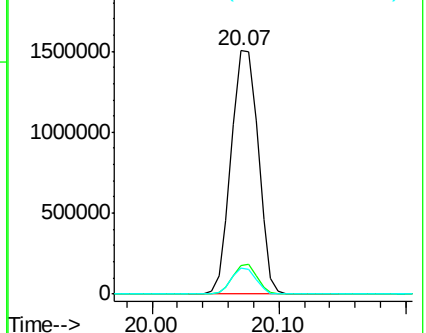
122 10.9 8.0 12.0

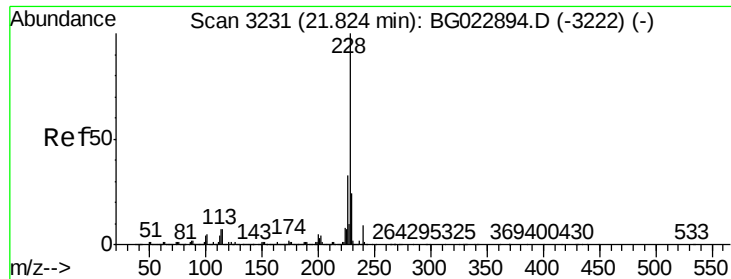


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

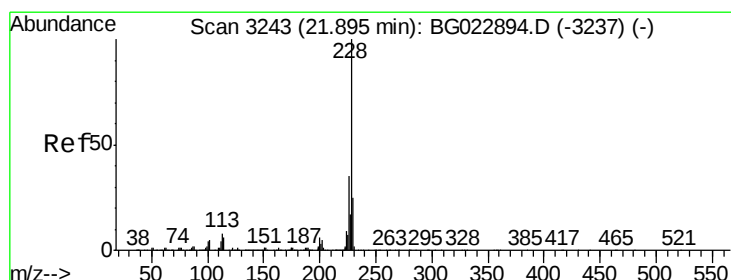
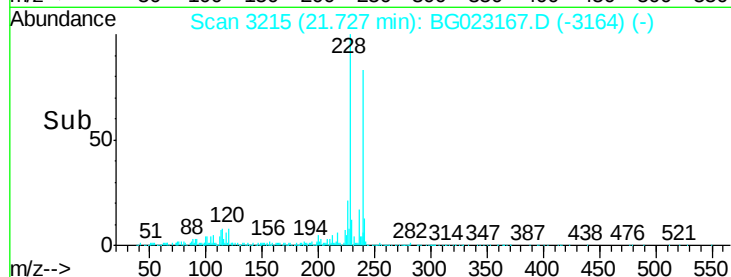
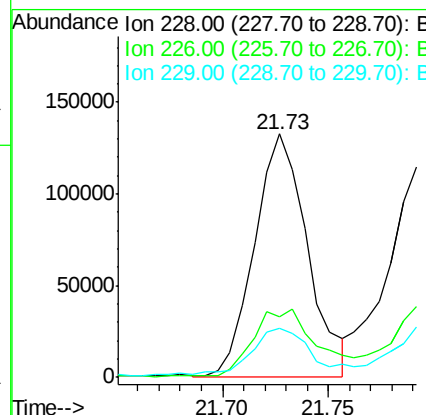
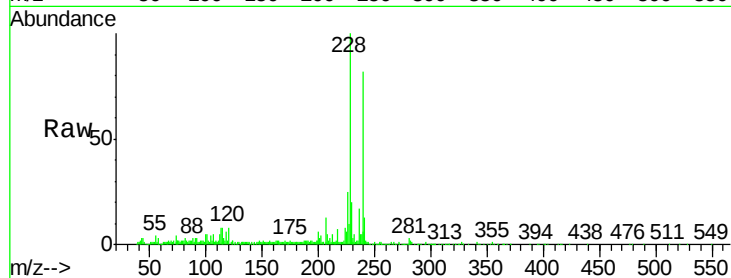




#80
Benzo(a)anthracene
Concen: 4.23 ng m
RT: 21.73 min Scan# 3215
Delta R.T. -0.00 min
Lab File: BG023167.D
Acq: 18 Jul 2016 20:36

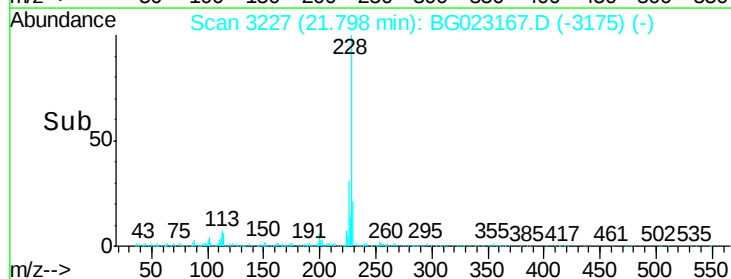
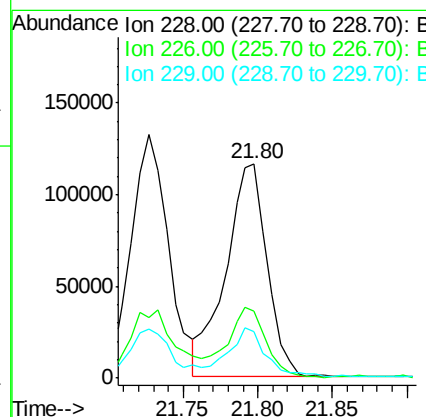
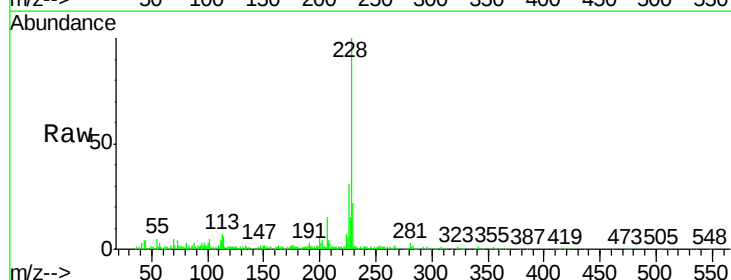
Instrument :
BNA_G
ClientSampleId :
E9-B2(6-12)C

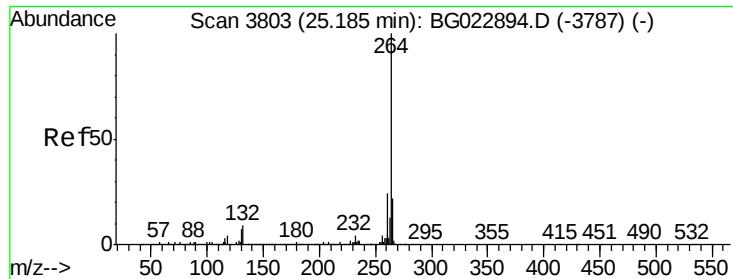
Tgt Ion:228 Resp: 231205
Ion Ratio Lower Upper
228 100
226 24.9 25.3 37.9#
229 20.4 19.9 29.9



#82
Chrysene
Concen: 4.36 ng
RT: 21.80 min Scan# 3227
Delta R.T. 0.00 min
Lab File: BG023167.D
Acq: 18 Jul 2016 20:36

Tgt Ion:228 Resp: 223606
Ion Ratio Lower Upper
228 100
226 31.3 26.7 40.1
229 21.9 17.4 26.2

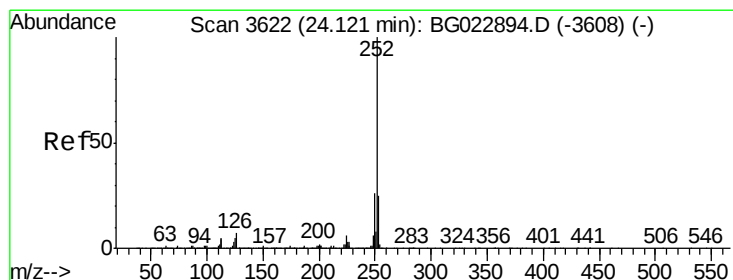
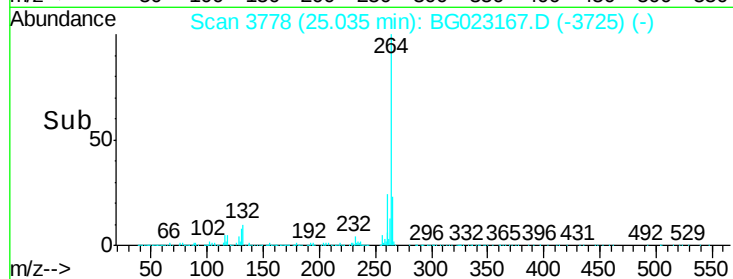
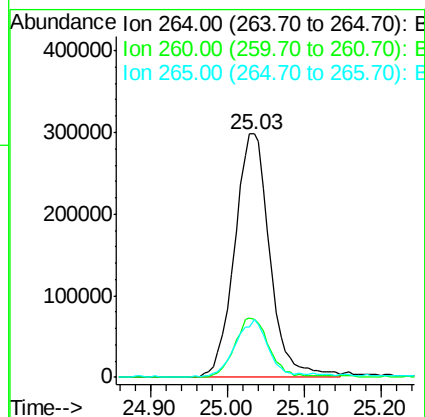
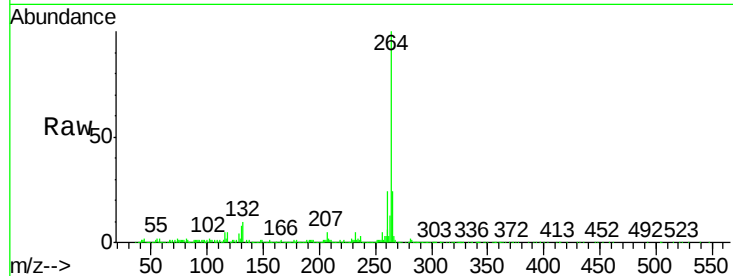




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.03 min Scan# 3778
Delta R.T. 0.01 min
Lab File: BG023167.D
Acq: 18 Jul 2016 20:36

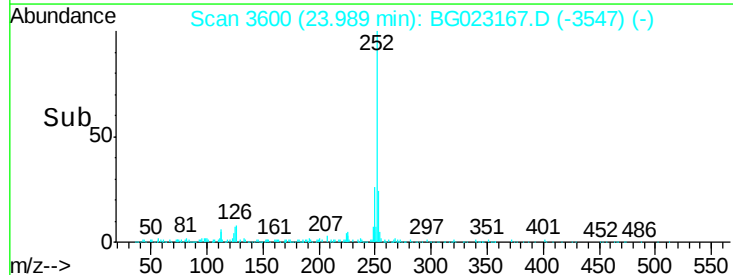
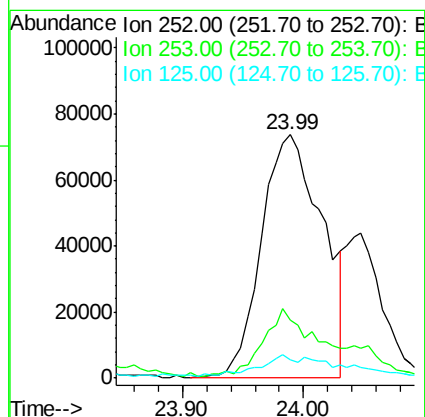
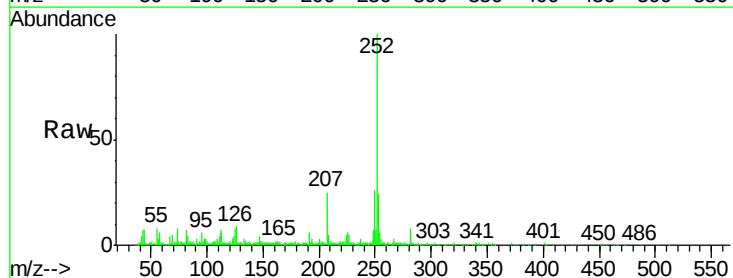
Instrument :
BNA_G
ClientSampleId :
E9-B2(6-12)C

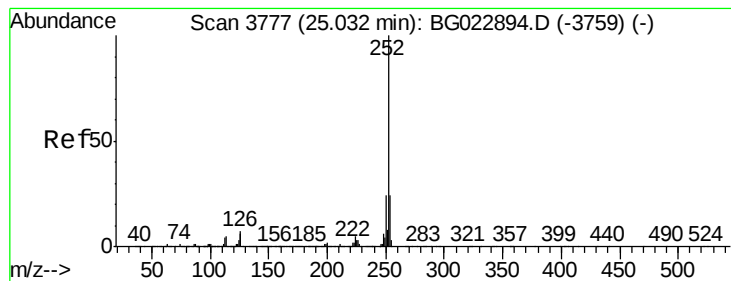
Tgt Ion:	264	Resp:	953746
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.4	27.6
265	23.7	18.9	28.3



#87
Benzo(b)fluoranthene
Concen: 4.68 ng
RT: 23.99 min Scan# 3600
Delta R.T. 0.01 min
Lab File: BG023167.D
Acq: 18 Jul 2016 20:36

Tgt Ion:	252	Resp:	257454
Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.9	28.3
125	7.7	3.9	5.9#





#89

Benzo(a)pyrene

Concen: 3.43 ng

RT: 24.87 min Scan# 3750

Delta R.T. -0.00 min

Lab File: BG023167.D

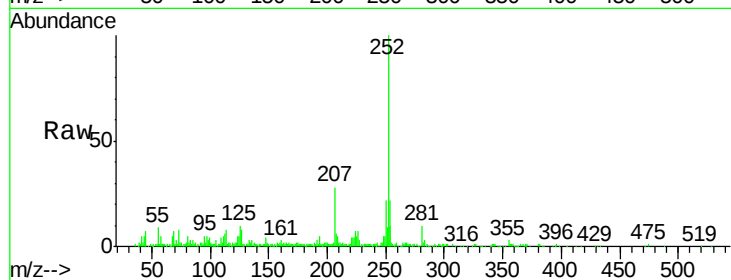
Acq: 18 Jul 2016 20:36

Instrument :

BNA_G

ClientSampleId :

E9-B2(6-12)C



Tgt Ion:	252	Resp:	181095
Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.7	28.1
125	10.2	3.9	5.9#

