

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
 Data File : BG020454.D
 Acq On : 23 Dec 2015 22:05
 Operator : UM/SJ
 Sample : G4848-15DL 25X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N61DL

Quant Time: Dec 24 02:51:59 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 02:43:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	21731	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	97856	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	70853	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	168884	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	210530	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	198885	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.25	99	1286	0.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	889	0.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	1131	0.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	957	0.58	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	429	0.56	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	474	0.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.54	165	370	0.22	ng/ul	0.02
29) 4-Chloroaniline-d4	11.04	131	813	0.42	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	5881	1.03	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	7219	1.08	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.71	176	5852	1.13	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.56	188	9001	1.16	ng/ul	0.00
79) Pyrene-d10	19.84	212	9374	0.96	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	10240	1.03	ng/ul	0.00

Target Compounds

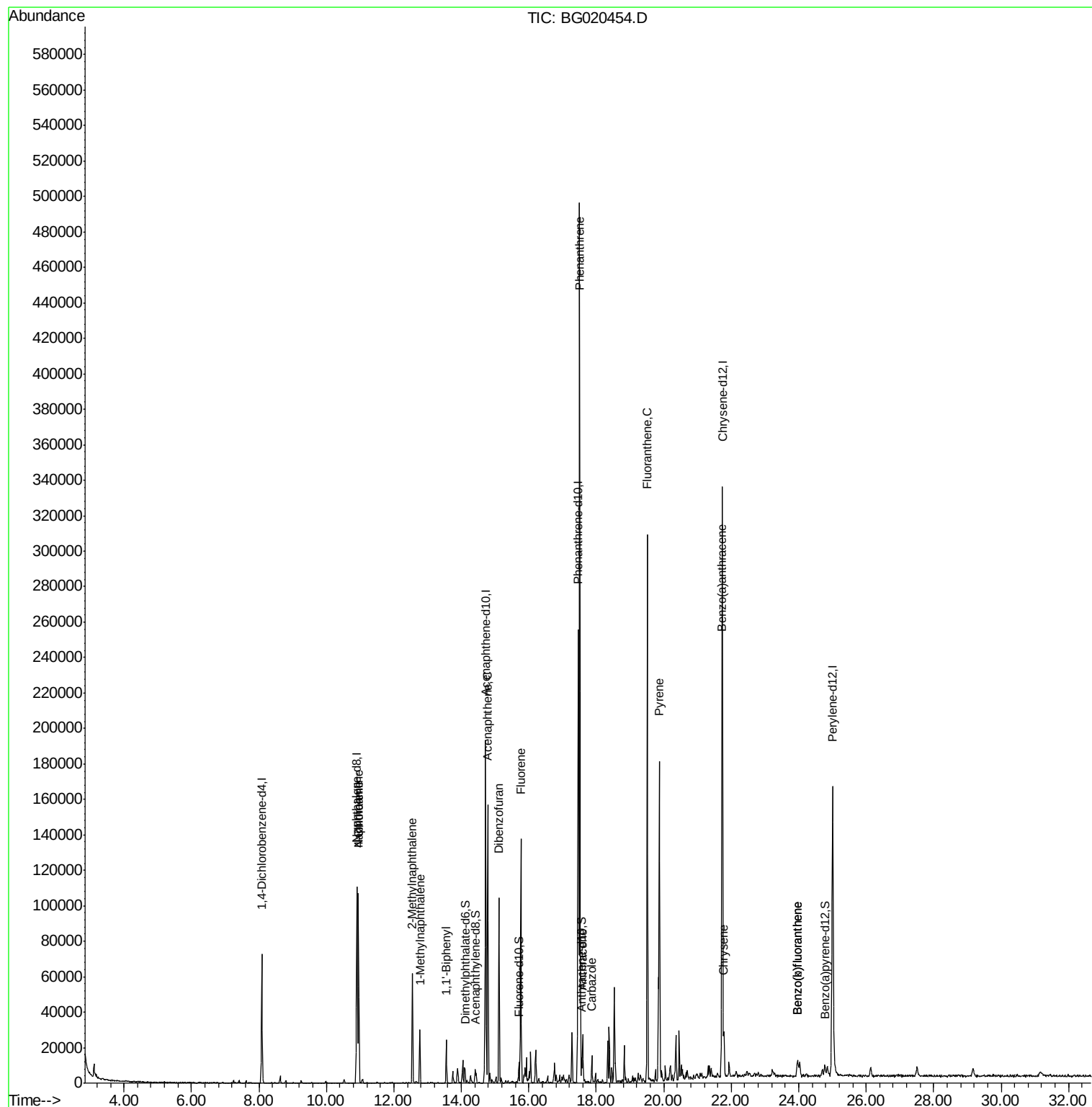
						Qvalue
28) Naphthalene	10.95	128	94367	18.47	ng/ul	99
30) 4-Chloroaniline	10.95	127	12525	6.35	ng/ul#	1
34) 2-Methylnaphthalene	12.55	142	31627	8.10	ng/ul	94
35) 1-Methylnaphthalene	12.77	142	15417	4.11	ng/ul#	94
41) 1,1'-Biphenyl	13.55	154	14475	2.71	ng/ul	93
50) Acenaphthene	14.78	153	68237	14.32	ng/ul	100
54) Dibenzofuran	15.11	168	70417	9.93	ng/ul	97
59) Fluorene	15.76	166	64141	11.27	ng/ul	98
70) Phenanthrene	17.51	178	322871	34.95	ng/ul	99
72) Anthracene	17.59	178	20567	2.20	ng/ul	99
75) Carbazole	17.86	167	11741	1.49	ng/ul	94
77) Fluoranthene	19.51	202	204019	18.90	ng/ul	97
80) Pyrene	19.87	202	134520	10.56	ng/ul	98
83) Benzo(a)anthracene	21.72	228	31069	2.53	ng/ul	99
85) Chrysene	21.78	228	26248	2.27	ng/ul	98
88) Benzo(b)fluoranthene	23.96	252	14334	1.20	ng/ul#	89
89) Benzo(k)fluoranthene	23.96	252	14334	1.25	ng/ul#	91

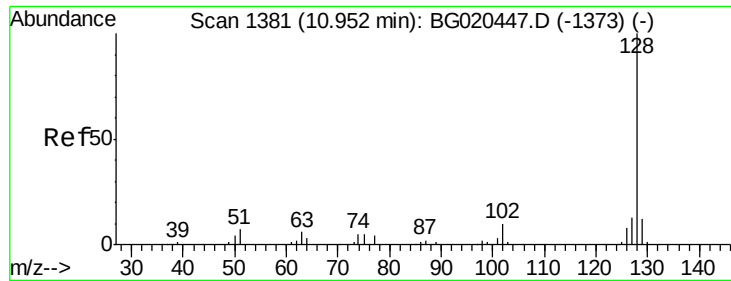
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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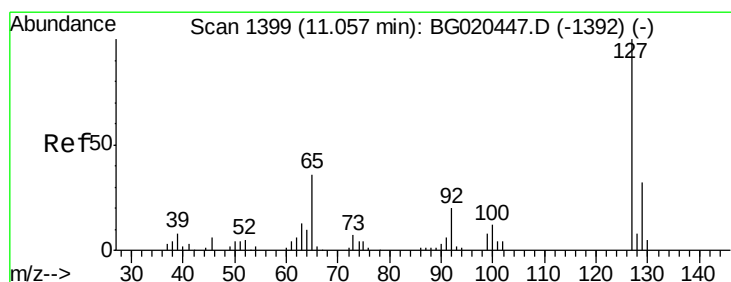
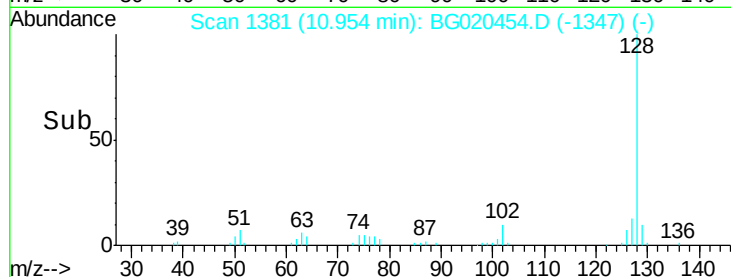
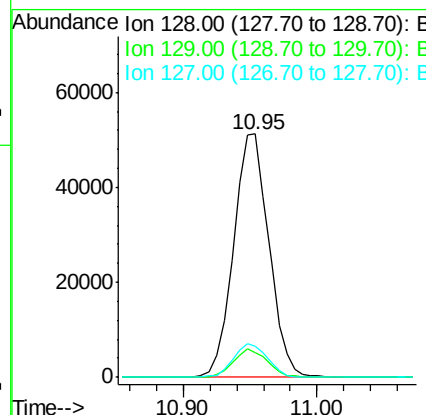
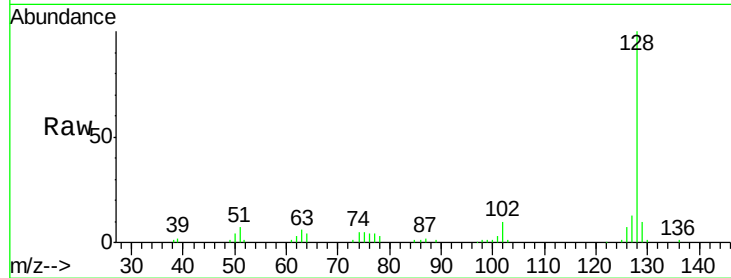




#28
Naphthalene
Concen: 18.47 ng/ul
RT: 10.95 min Scan# 1381
Delta R.T. 0.00 min
Lab File: BG020454.D
Acq: 23 Dec 2015 22:05

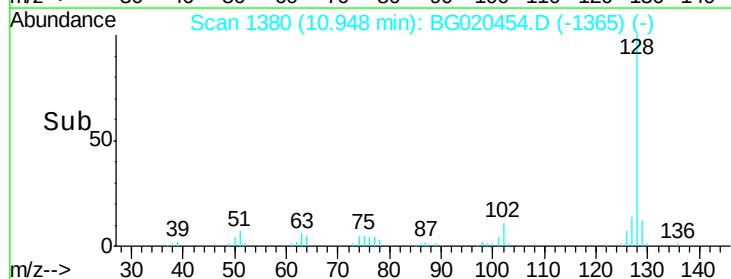
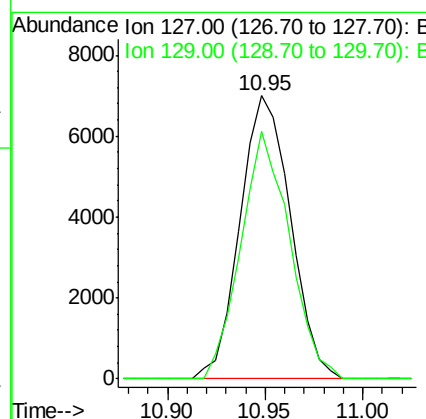
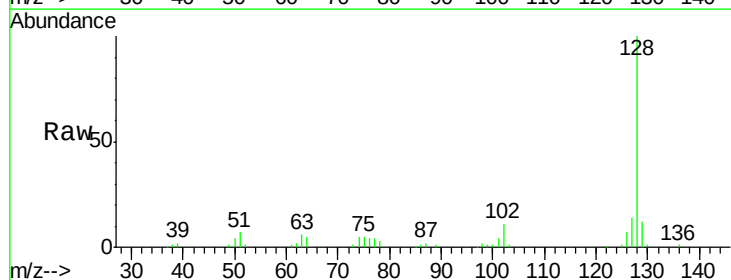
Instrument :
BNA_G
ClientSampleId :
D9N61DL

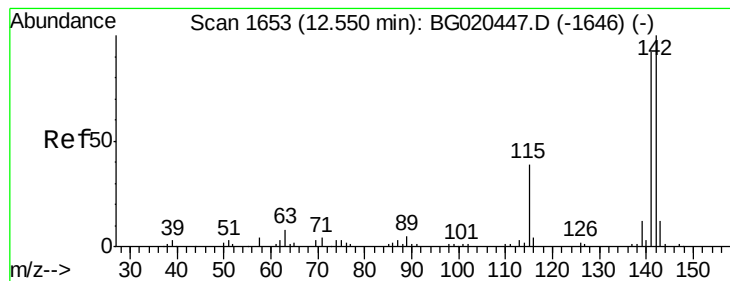
Tgt Ion:128 Resp: 94367
Ion Ratio Lower Upper
128 100
129 10.0 8.6 12.8
127 12.6 10.1 15.1



#30
4-Chloroaniline
Concen: 6.35 ng/ul
RT: 10.95 min Scan# 1380
Delta R.T. -0.11 min
Lab File: BG020454.D
Acq: 23 Dec 2015 22:05

Tgt Ion:127 Resp: 12525
Ion Ratio Lower Upper
127 100
129 87.4 25.7 38.5#





#34

2-Methylnaphthalene

Concen: 8.10 ng/ul

RT: 12.55 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BG020454.D

Acq: 23 Dec 2015 22:05

Instrument :

BNA_G

ClientSampleId :

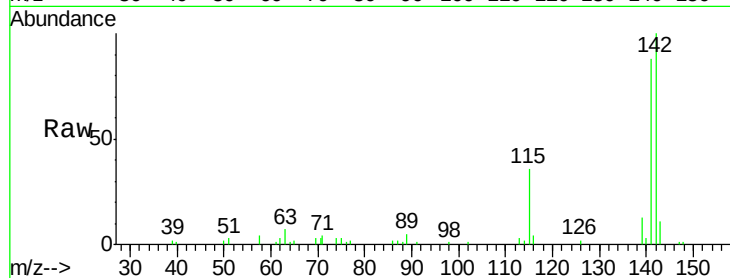
D9N61DL

Tgt Ion:142 Resp: 31627

Ion Ratio Lower Upper

142 100

141 88.2 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

20000

15000

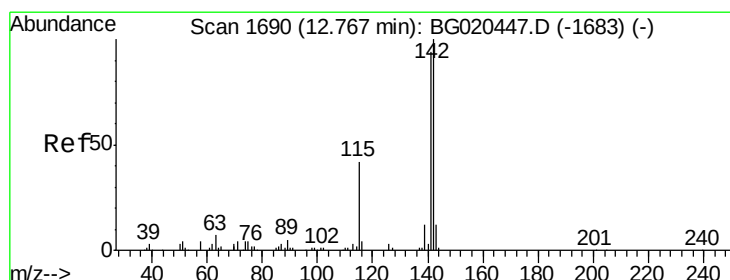
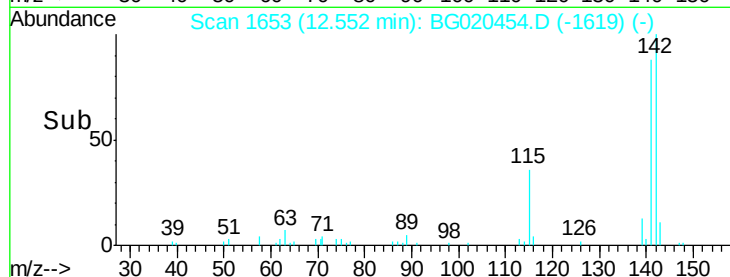
10000

5000

0

12.50 12.55 12.60

Time-->



#35

1-Methylnaphthalene

Concen: 4.11 ng/ul

RT: 12.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: BG020454.D

Acq: 23 Dec 2015 22:05

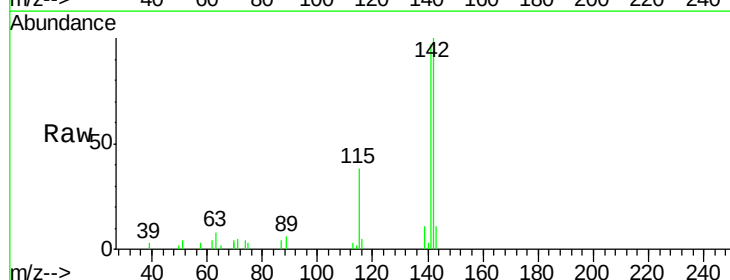
Tgt Ion:142 Resp: 15417

Ion Ratio Lower Upper

142 100

141 97.2 73.0 109.6

116 4.9 3.0 4.6#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

12000

10000

8000

6000

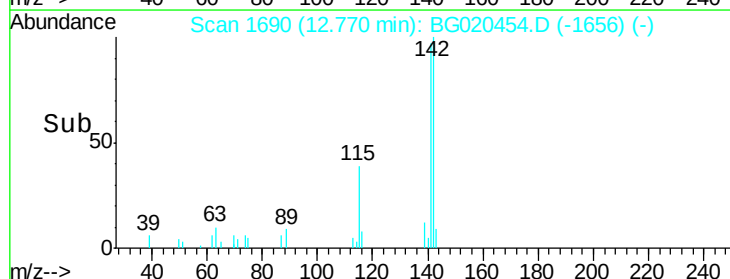
4000

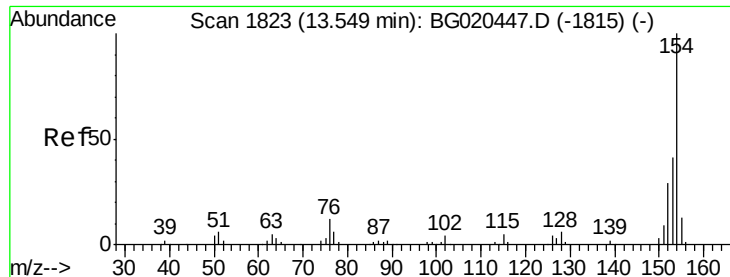
2000

0

12.70 12.75 12.80

Time-->

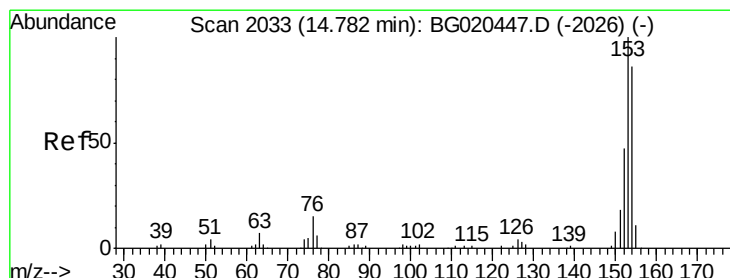
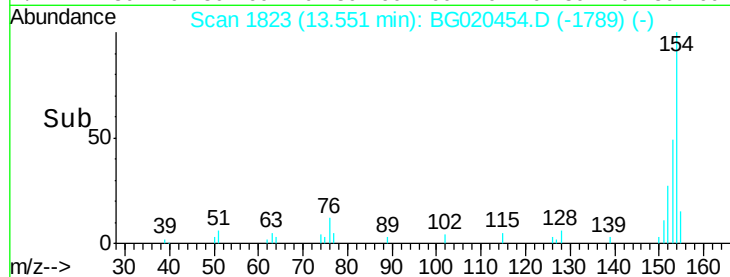
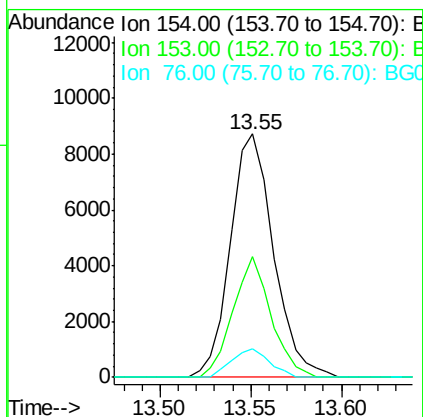
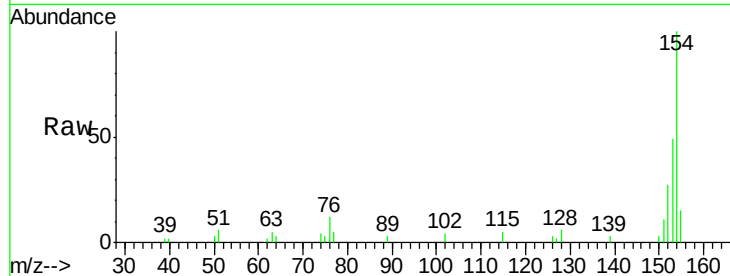




#41
 1,1'-Biphenyl
 Concen: 2.71 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: BG020454.D
 Acq: 23 Dec 2015 22:05

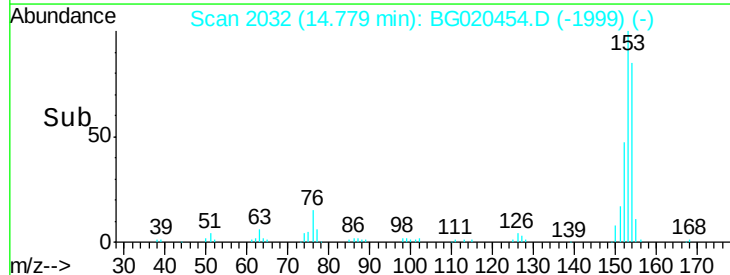
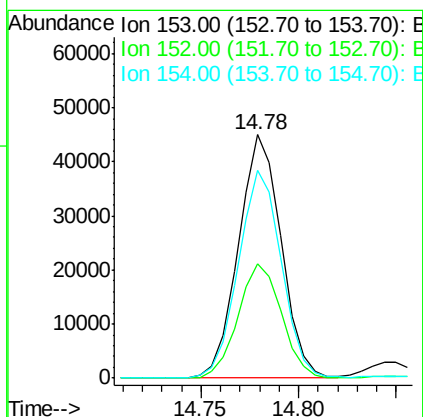
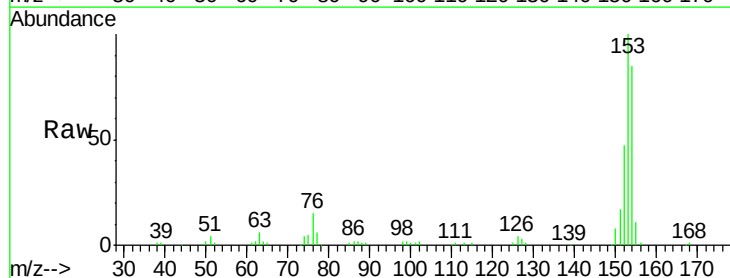
Instrument :
 BNA_G
 ClientSampleId :
 D9N61DL

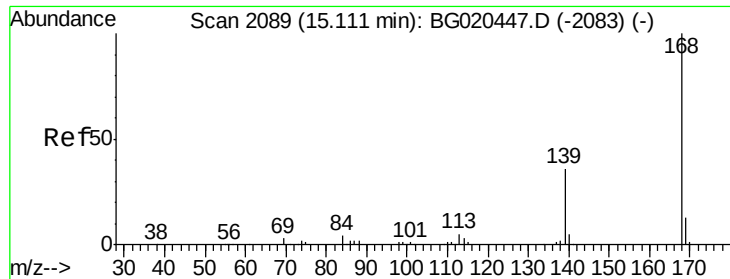
Tgt Ion:154 Resp: 14475
 Ion Ratio Lower Upper
 154 100
 153 49.4 35.5 53.3
 76 11.6 10.4 15.6



#50
 Acenaphthene
 Concen: 14.32 ng/ul
 RT: 14.78 min Scan# 2032
 Delta R.T. -0.00 min
 Lab File: BG020454.D
 Acq: 23 Dec 2015 22:05

Tgt Ion:153 Resp: 68237
 Ion Ratio Lower Upper
 153 100
 152 46.9 37.6 56.4
 154 85.3 67.9 101.9





#54

Dibenzenofuran

Concen: 9.93 ng/ul

RT: 15.11 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BG020454.D

Acq: 23 Dec 2015 22:05

Instrument :

BNA_G

ClientSampleId :

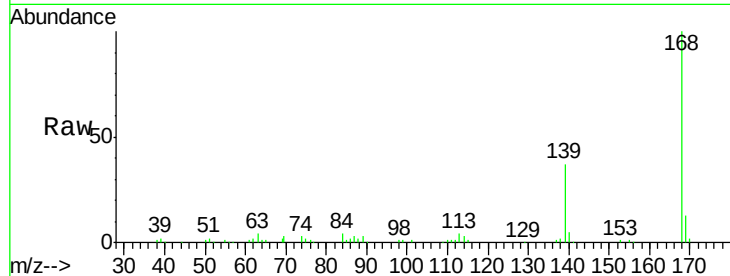
D9N61DL

Tgt Ion:168 Resp: 70417

Ion Ratio Lower Upper

168 100

139 36.6 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15.11

50000

40000

30000

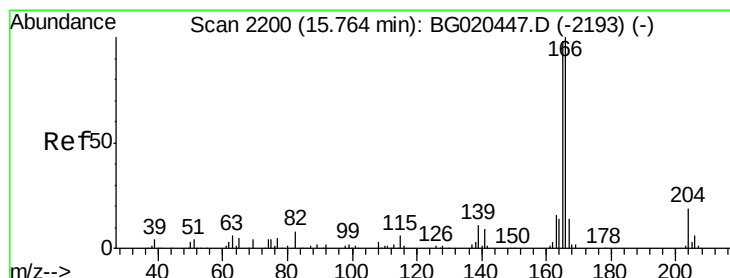
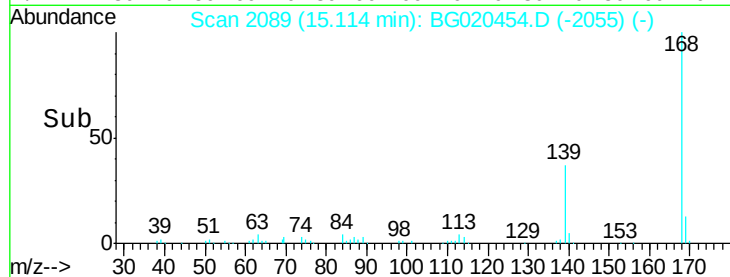
20000

10000

0

Time-->

15.05 15.10 15.15 15.20



#59

Fluorene

Concen: 11.27 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG020454.D

Acq: 23 Dec 2015 22:05

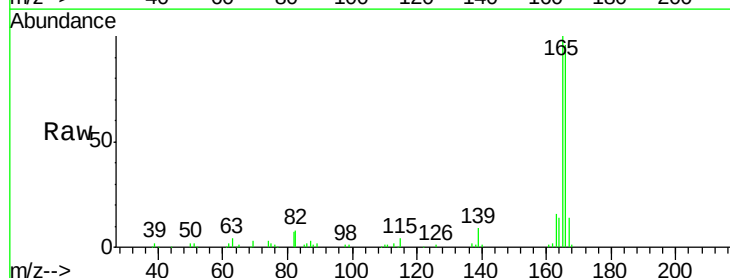
Tgt Ion:166 Resp: 64141

Ion Ratio Lower Upper

166 100

165 104.4 81.4 122.0

167 14.1 11.2 16.8



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

15.76

60000

50000

40000

30000

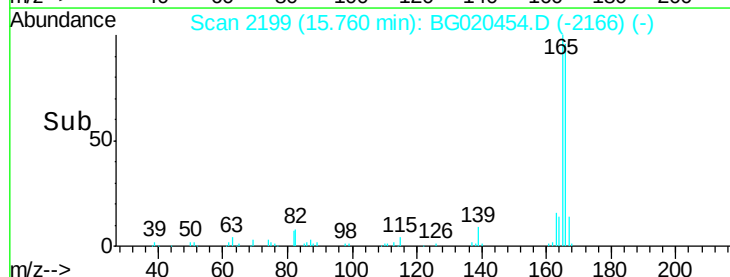
20000

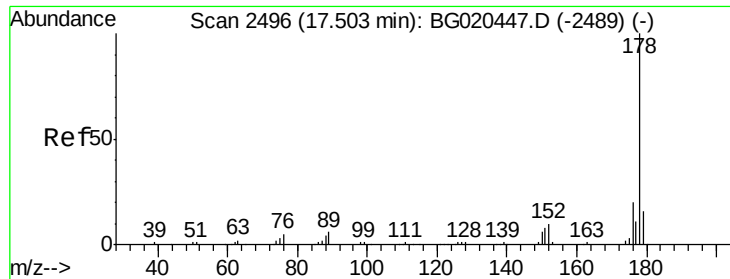
10000

0

Time-->

15.70 15.75 15.80





#70

Phenanthrene

Concen: 34.95 ng/ul

RT: 17.51 min Scan# 2496

Delta R.T. 0.00 min

Lab File: BG020454.D

Acq: 23 Dec 2015 22:05

Instrument :

BNA_G

ClientSampleId :

D9N61DL

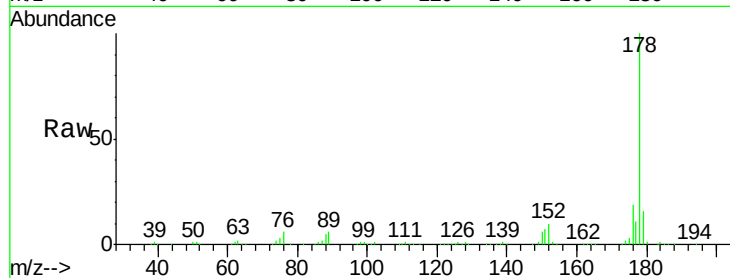
Tgt Ion:178 Resp: 322871

Ion Ratio Lower Upper

178 100

179 15.6 12.9 19.3

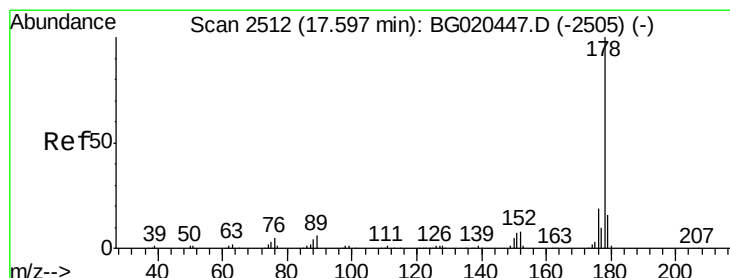
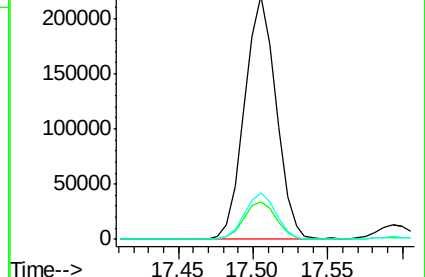
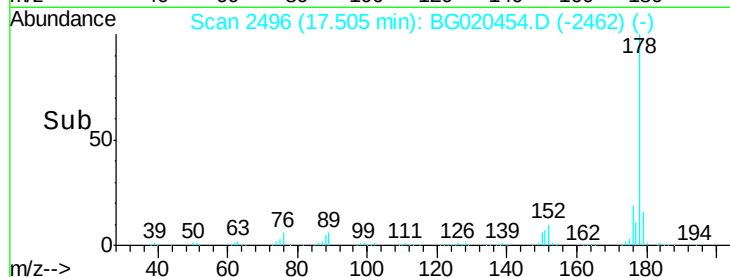
176 19.1 15.3 22.9



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 2.20 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. -0.00 min

Lab File: BG020454.D

Acq: 23 Dec 2015 22:05

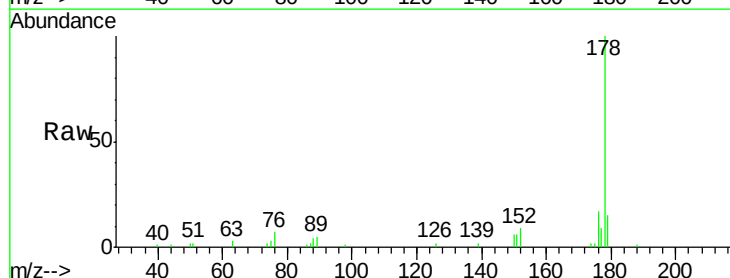
Tgt Ion:178 Resp: 20567

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

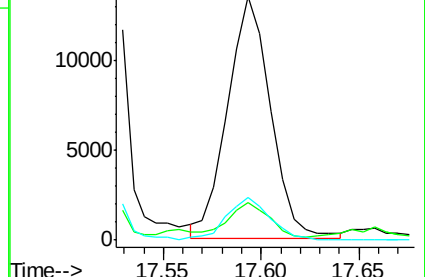
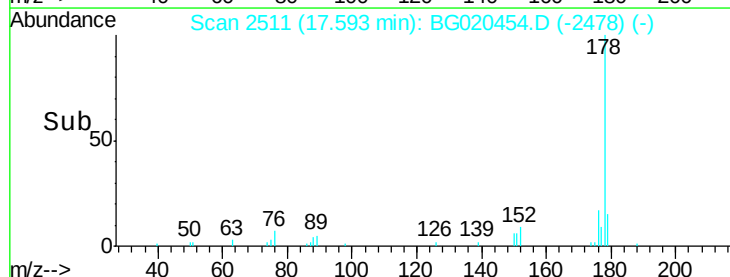
176 17.5 14.3 21.5

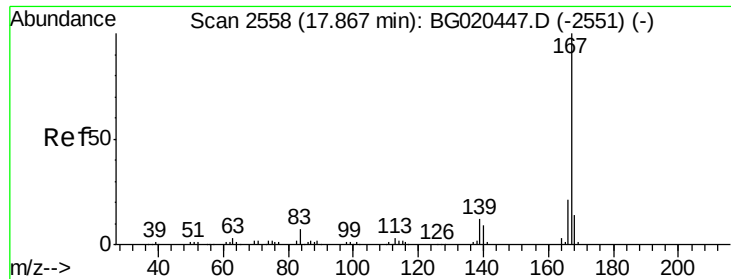


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.49 ng/ul

RT: 17.86 min Scan# 2557

Delta R.T. -0.00 min

Lab File: BG020454.D

Acq: 23 Dec 2015 22:05

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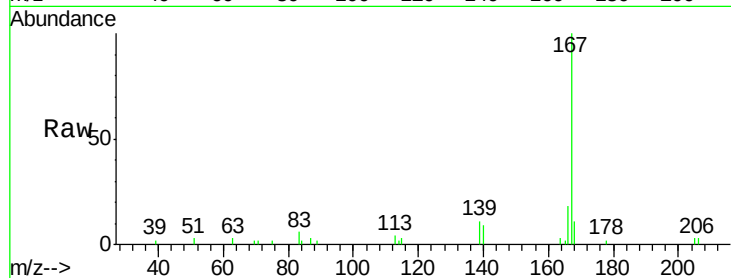
Tgt Ion:167 Resp: 11741

Ion Ratio Lower Upper

167 100

166 18.3 17.0 25.6

139 10.7 10.1 15.1

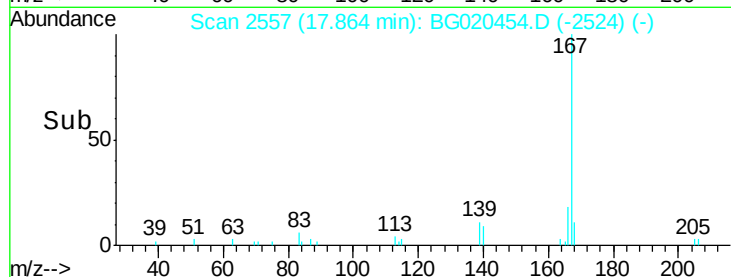


Abundance Ion 167.00 (166.70 to 167.70): E

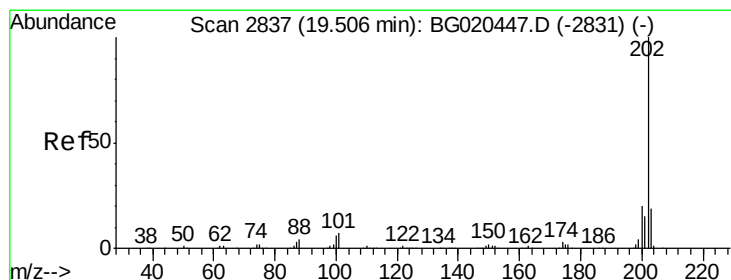
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

Time--> 17.80 17.85 17.90



Time--> 17.80 17.85 17.90



#77

Fluoranthene

Concen: 18.90 ng/ul

RT: 19.51 min Scan# 2837

Delta R.T. 0.00 min

Lab File: BG020454.D

Acq: 23 Dec 2015 22:05

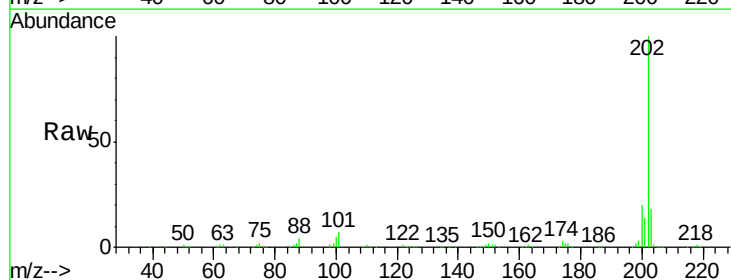
Tgt Ion:202 Resp: 204019

Ion Ratio Lower Upper

202 100

101 7.0 6.2 9.4

100 5.4 5.1 7.7

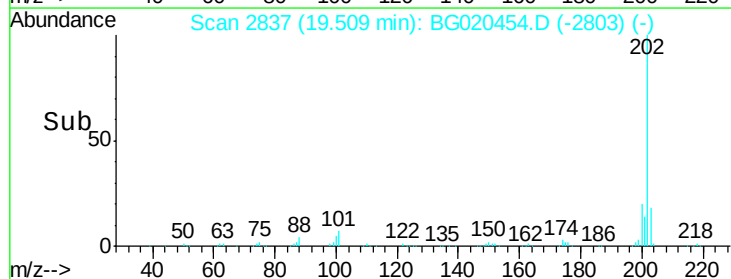


Abundance Ion 202.00 (201.70 to 202.70): E

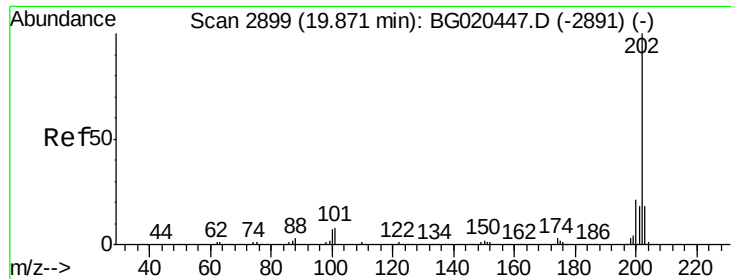
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time--> 19.50 19.51 19.52



Time--> 19.50 19.51 19.52



#80

Pyrene

Concen: 10.56 ng/ul

RT: 19.87 min Scan# 2899

Delta R.T. 0.00 min

Lab File: BG020454.D

Acq: 23 Dec 2015 22:05

Instrument :

BNA_G

ClientSampleId :

D9N61DL

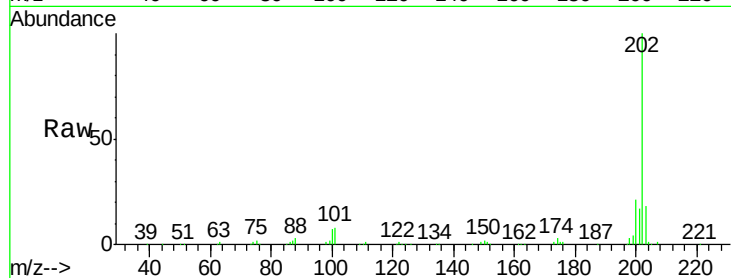
Tgt Ion:202 Resp: 134520

Ion Ratio Lower Upper

202 100

101 8.2 7.0 10.4

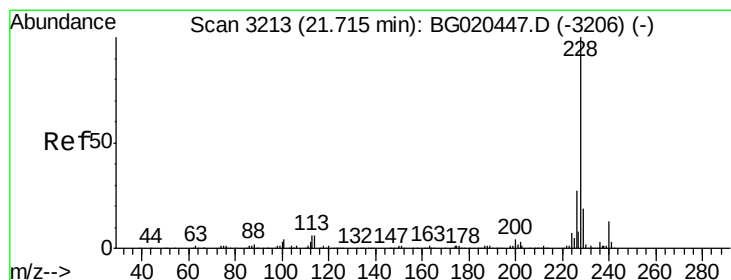
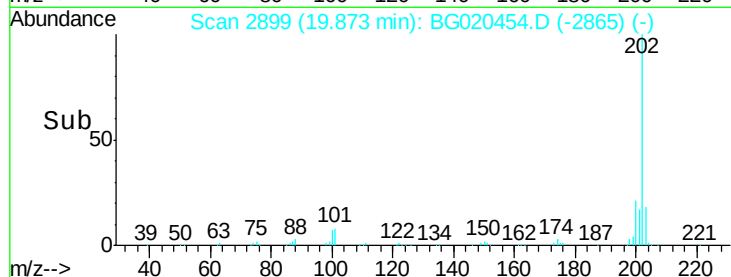
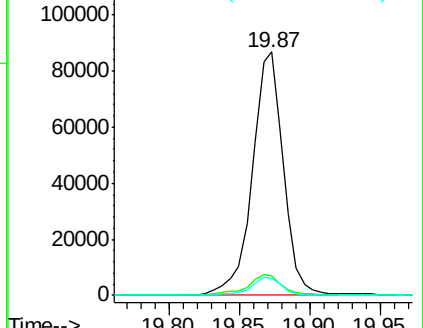
100 7.1 6.4 9.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#83

Benzo(a)anthracene

Concen: 2.53 ng/ul

RT: 21.72 min Scan# 3213

Delta R.T. 0.00 min

Lab File: BG020454.D

Acq: 23 Dec 2015 22:05

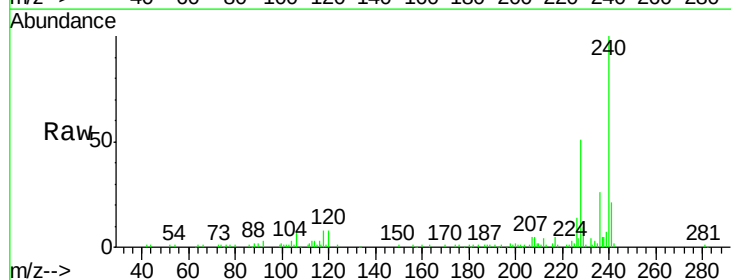
Tgt Ion:228 Resp: 31069

Ion Ratio Lower Upper

228 100

229 18.8 15.8 23.8

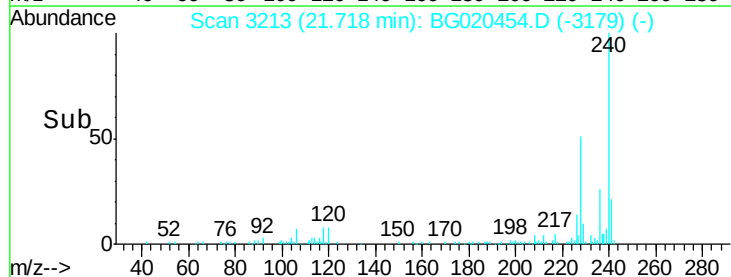
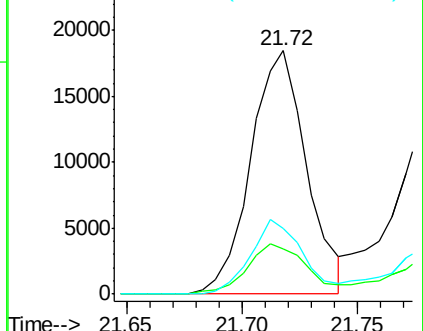
226 26.9 21.8 32.6

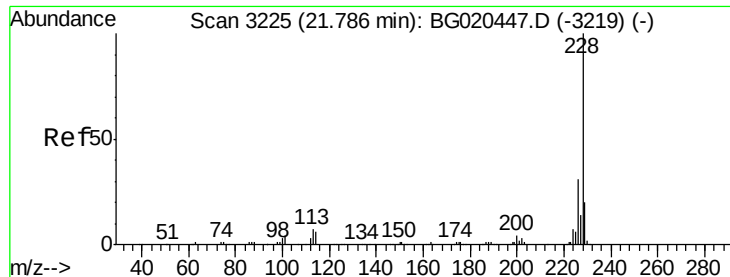


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

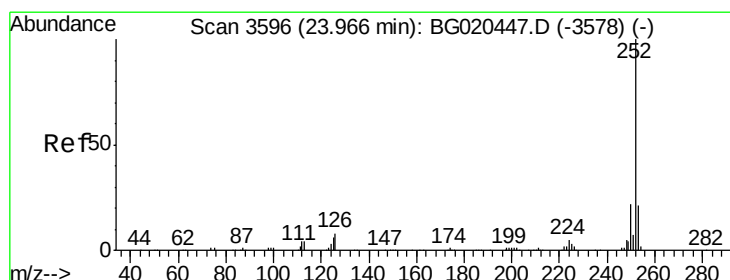
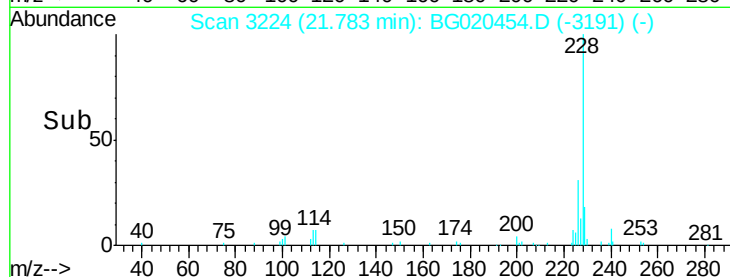
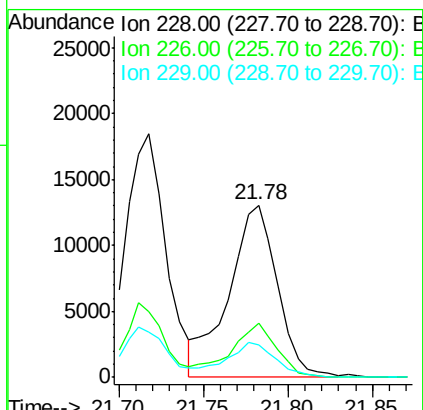
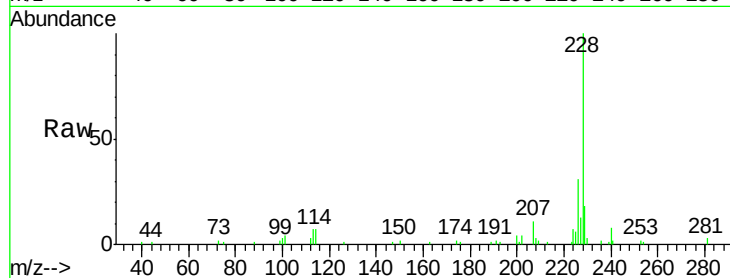




#85
Chrysene
Concen: 2.27 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. -0.00 min
Lab File: BG020454.D
Acq: 23 Dec 2015 22:05

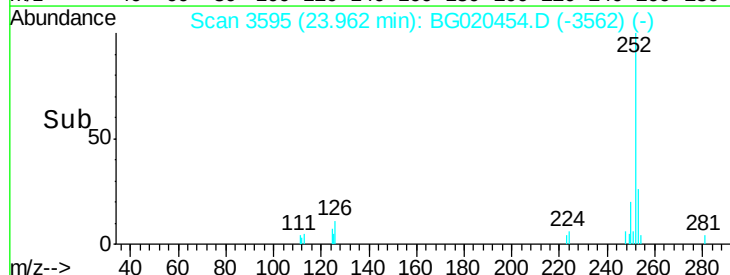
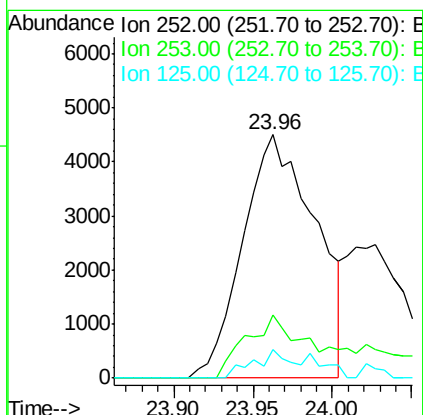
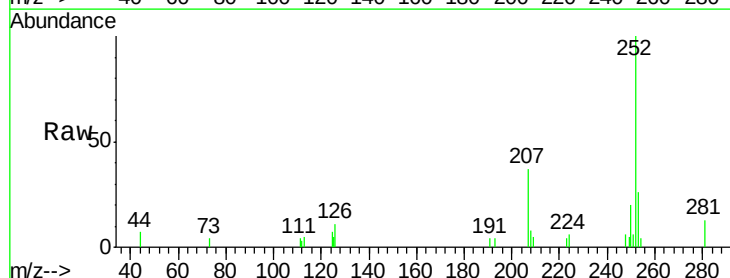
Instrument :
BNA_G
ClientSampleId :
D9N61DL

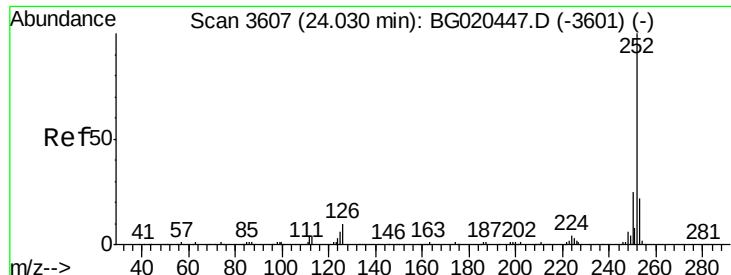
Tgt Ion:228 Resp: 26248
Ion Ratio Lower Upper
228 100
226 31.2 23.9 35.9
229 18.5 15.6 23.4



#88
Benzo(b)fluoranthene
Concen: 1.20 ng/ul
RT: 23.96 min Scan# 3595
Delta R.T. -0.00 min
Lab File: BG020454.D
Acq: 23 Dec 2015 22:05

Tgt Ion:252 Resp: 14334
Ion Ratio Lower Upper
252 100
253 25.7 16.7 25.1#
125 11.9 6.2 9.2#





#89

Benzo(k)fluoranthene

Concen: 1.25 ng/ul

RT: 23.96 min Scan# 3595

Delta R.T. -0.07 min

Lab File: BG020454.D

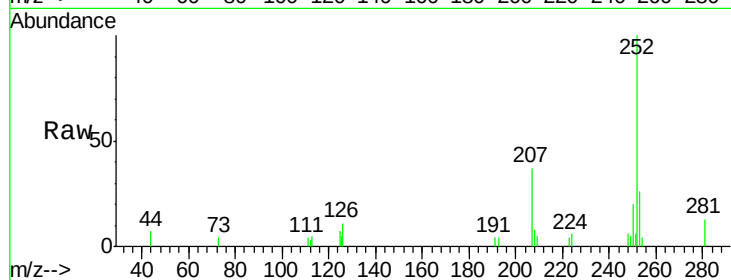
Acq: 23 Dec 2015 22:05

Instrument :

BNA_G

ClientSampleId :

D9N61DL



Tgt Ion:	252	Resp:	14334
Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.9	26.9
125	11.9	5.8	8.6

