

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020275.D
 Acq On : 18 Dec 2015 14:59
 Operator : UM/SJ
 Sample : G4767-12DL2 30X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N34DL2

Quant Time: Dec 18 23:49:14 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 18 23:45:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	16080	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	69747	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	50509	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	133429	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	174008	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	159007	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	7.24	99	787	0.56	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	458	0.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	583	0.57	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	180	0.15	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	136	0.25	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	193	0.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	663	0.54	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	923	0.67	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	3069	0.75	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	3194	0.67	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.72	176	3040	0.82	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.57	188	4880	0.79	ng/ul	0.00
79) Pyrene-d10	19.85	212	5329	0.66	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	4876	0.61	ng/ul	0.00

Target Compounds

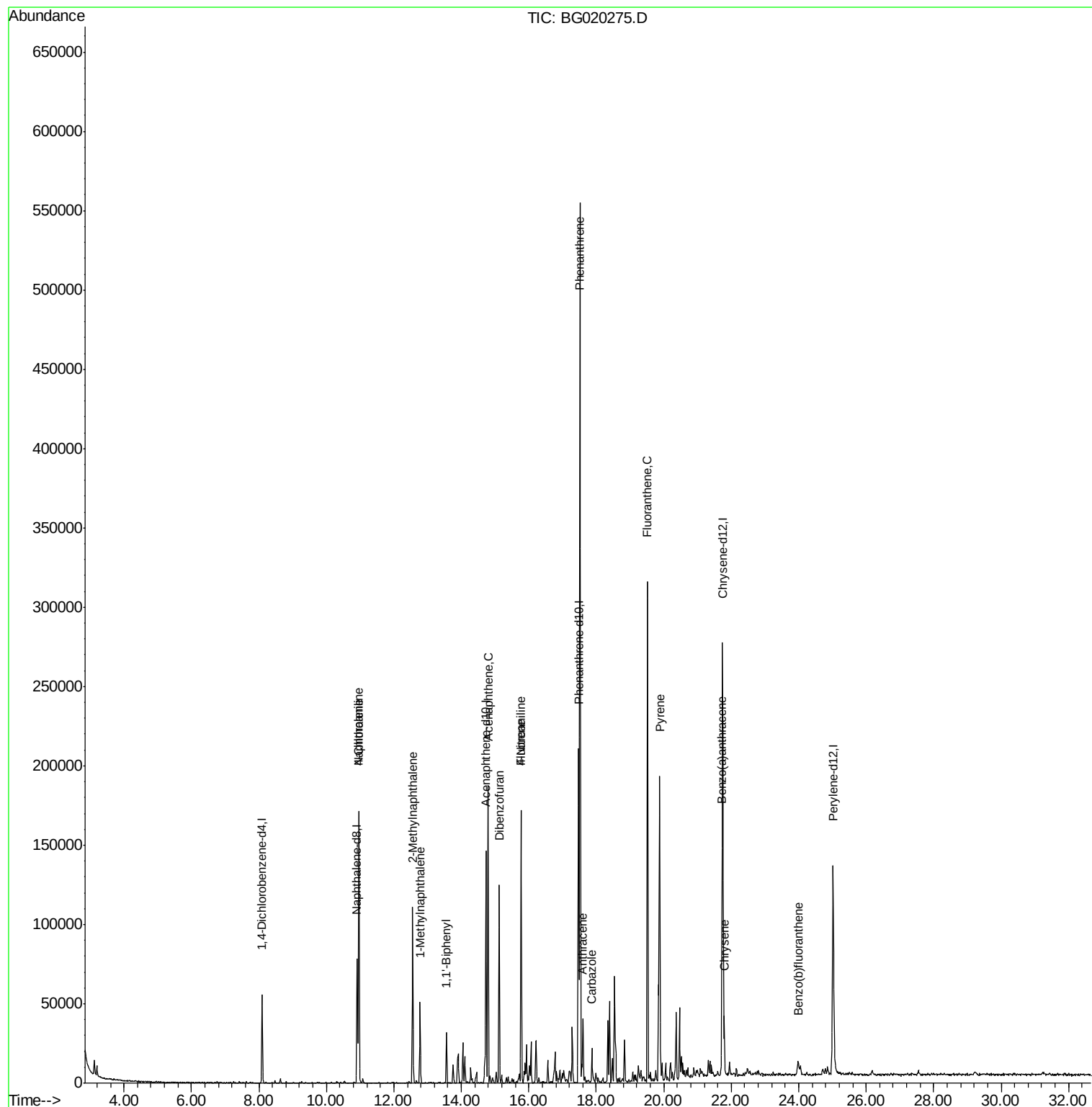
						Qvalue
28) Naphthalene	10.96	128	148808	40.86	ng/ul	98
30) 4-Chloroaniline	10.96	127	19824	14.11	ng/ul#	21
34) 2-Methylnaphthalene	12.56	142	52594	18.90	ng/ul	94
35) 1-Methylnaphthalene	12.78	142	25229	9.43	ng/ul	96
41) 1,1'-Biphenyl	13.56	154	18274	4.80	ng/ul	96
50) Acenaphthene	14.79	153	79967	23.54	ng/ul	99
54) Dibenzofuran	15.12	168	83633	16.55	ng/ul	98
59) Fluorene	15.77	166	82046	20.21	ng/ul	97
61) 4-Nitroaniline	15.77	138	971	1.07	ng/ul#	10
70) Phenanthrene	17.51	178	356939	48.91	ng/ul	99
72) Anthracene	17.61	178	29807	4.03	ng/ul	99
75) Carbazole	17.87	167	13359	2.15	ng/ul	95
77) Fluoranthene	19.52	202	214669	25.17	ng/ul	98
80) Pyrene	19.88	202	140312	13.32	ng/ul	98
83) Benzo(a)anthracene	21.72	228	35399	3.49	ng/ul	97
85) Chrysene	21.79	228	29955	3.13	ng/ul	97
88) Benzo(b)fluoranthene	23.98	252	12445	1.30	ng/ul#	92

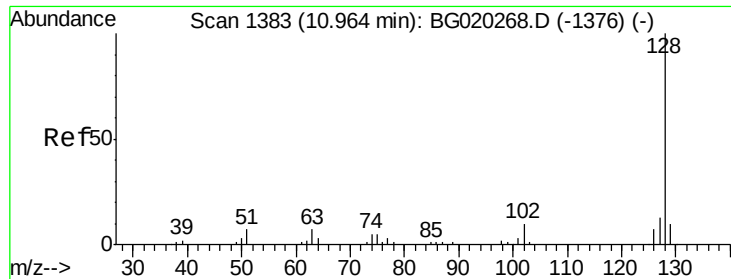
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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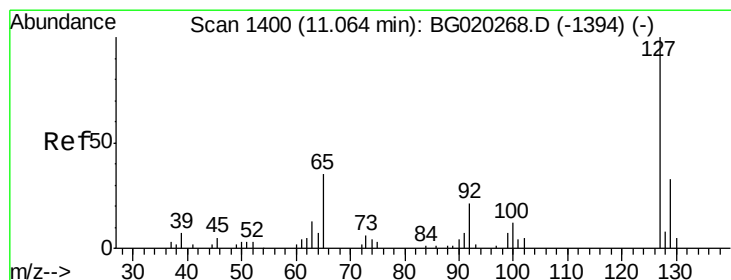
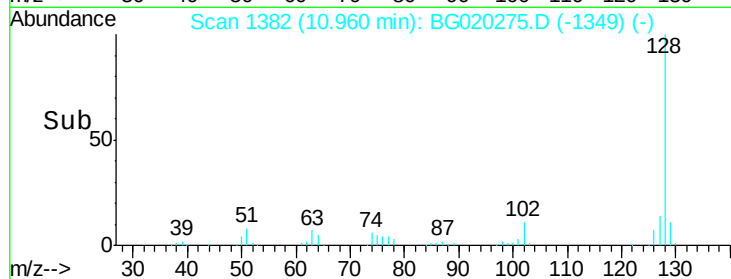
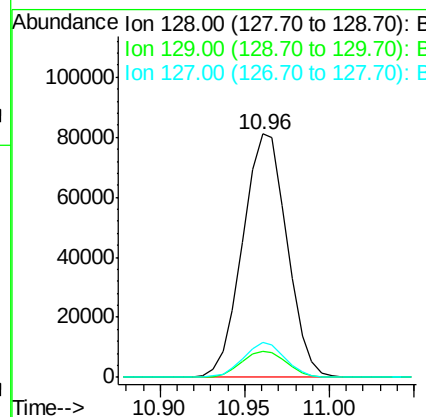
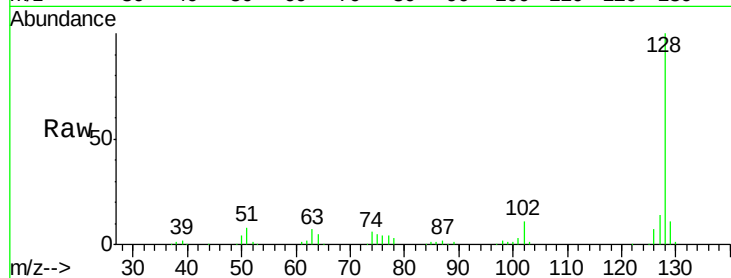




#28
Naphthalene
Concen: 40.86 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. -0.00 min
Lab File: BG020275.D
Acq: 18 Dec 2015 14:59

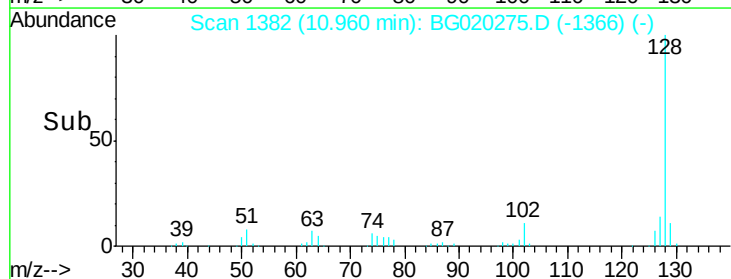
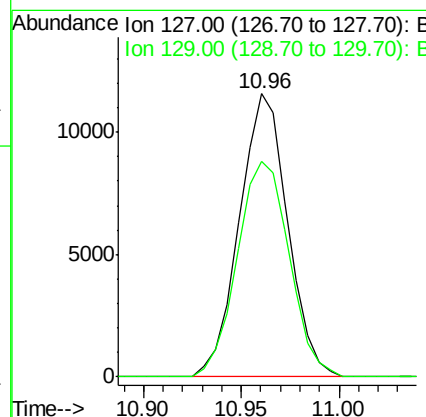
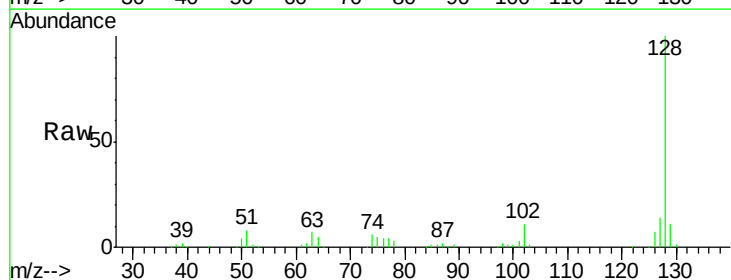
Instrument :
BNA_G
ClientSampleId :
D9N34DL2

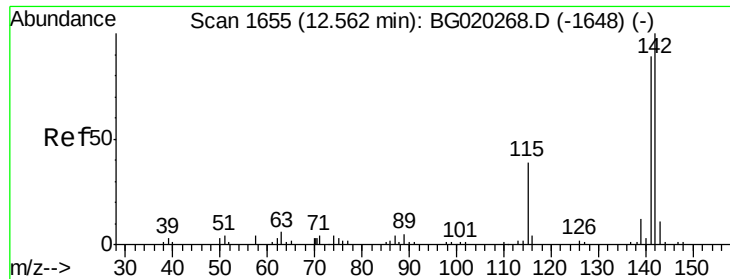
Tgt Ion:128 Resp: 148808
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 14.3 10.1 15.1



#30
4-Chloroaniline
Concen: 14.11 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. -0.10 min
Lab File: BG020275.D
Acq: 18 Dec 2015 14:59

Tgt Ion:127 Resp: 19824
Ion Ratio Lower Upper
127 100
129 76.1 25.7 38.5#

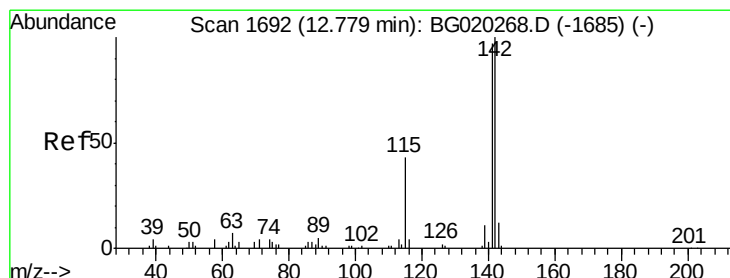
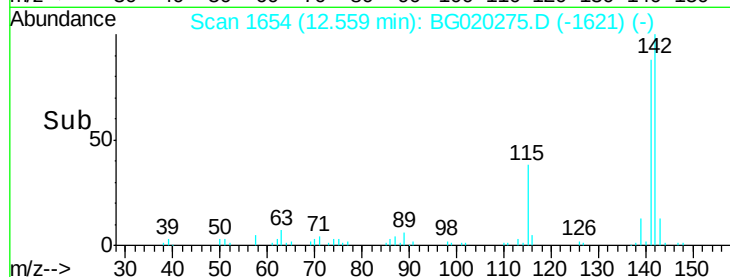
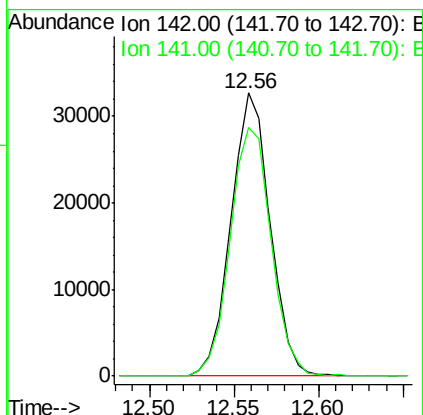
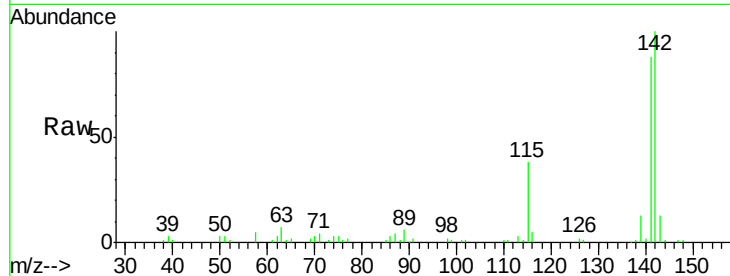




#34
 2-Methylnaphthalene
 Concen: 18.90 ng/ul
 RT: 12.56 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: BG020275.D
 Acq: 18 Dec 2015 14:59

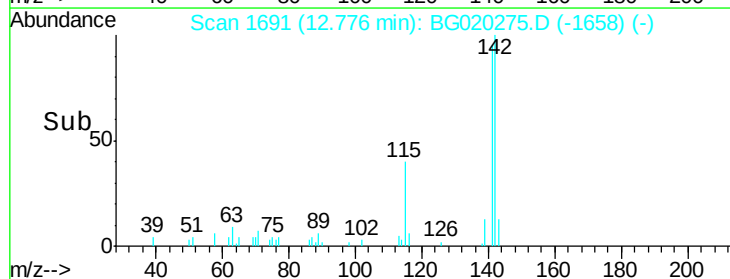
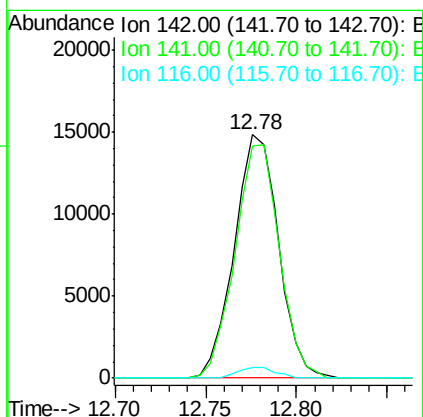
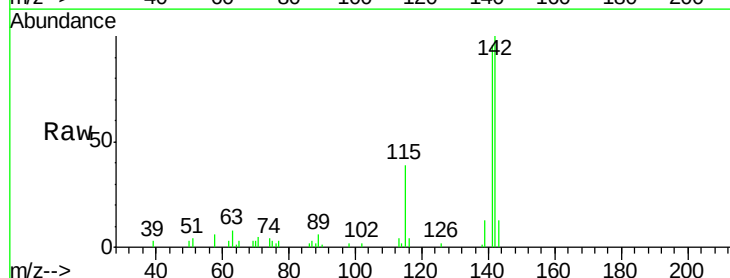
Instrument :
 BNA_G
 ClientSampleID :
 D9N34DL2

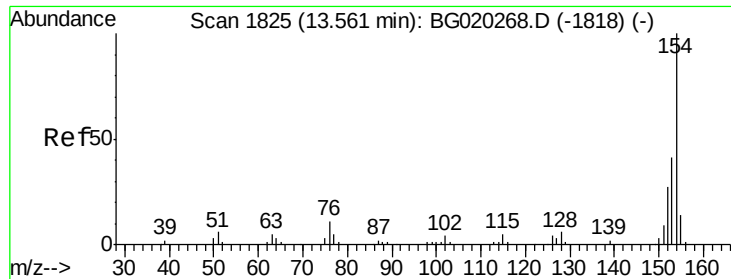
Tgt Ion:142 Resp: 52594
 Ion Ratio Lower Upper
 142 100
 141 88.0 74.9 112.3



#35
 1-Methylnaphthalene
 Concen: 9.43 ng/ul
 RT: 12.78 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: BG020275.D
 Acq: 18 Dec 2015 14:59

Tgt Ion:142 Resp: 25229
 Ion Ratio Lower Upper
 142 100
 141 95.6 73.0 109.6
 116 4.3 3.0 4.6

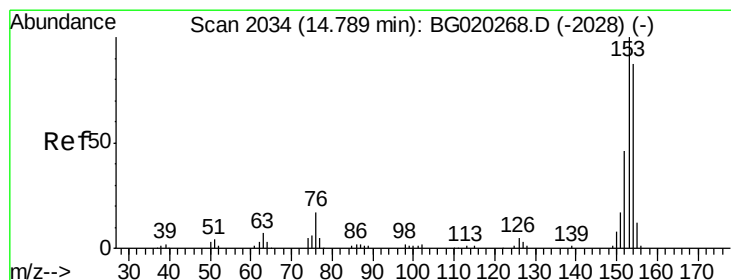
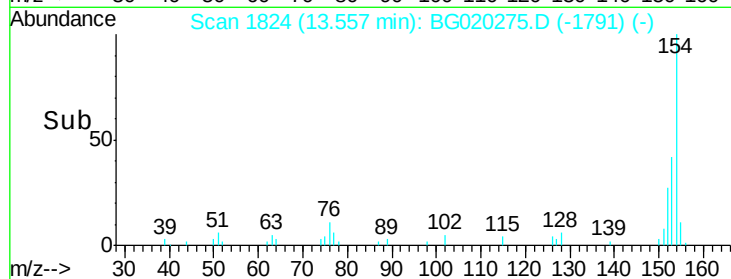
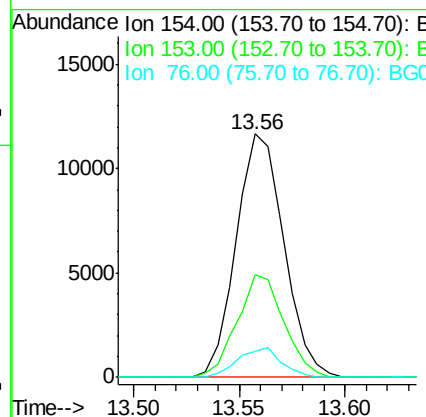
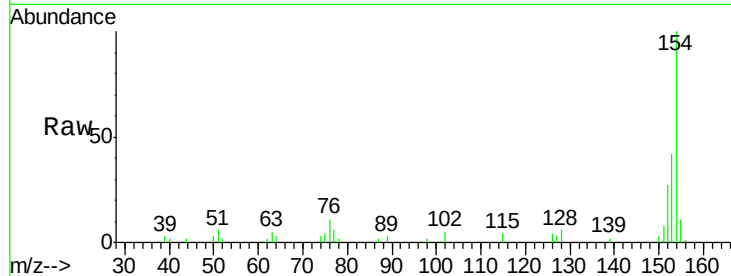




#41
1,1'-Biphenyl
Concen: 4.80 ng/ul
RT: 13.56 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BG020275.D
Acq: 18 Dec 2015 14:59

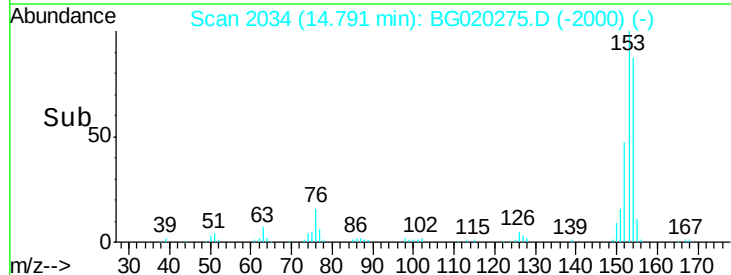
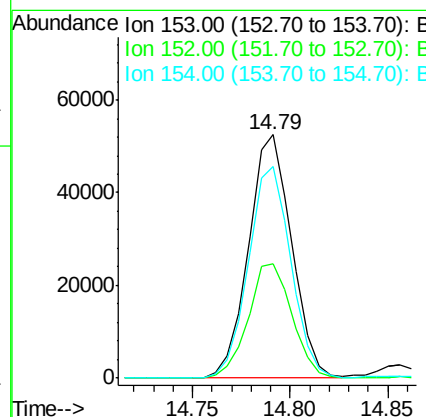
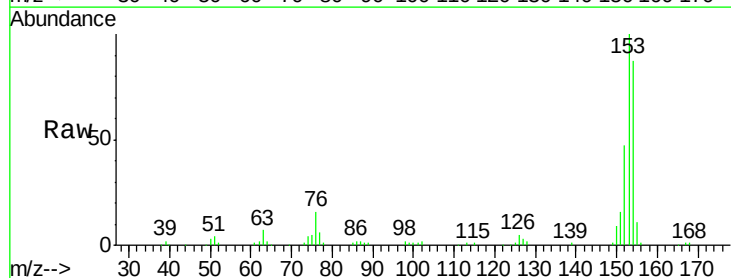
Instrument :
BNA_G
ClientSampleId :
D9N34DL2

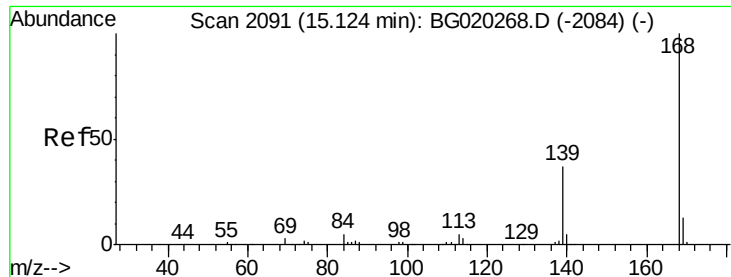
Tgt Ion:154 Resp: 18274
Ion Ratio Lower Upper
154 100
153 42.0 35.5 53.3
76 10.8 10.4 15.6



#50
Acenaphthene
Concen: 23.54 ng/ul
RT: 14.79 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BG020275.D
Acq: 18 Dec 2015 14:59

Tgt Ion:153 Resp: 79967
Ion Ratio Lower Upper
153 100
152 46.9 37.6 56.4
154 86.7 67.9 101.9





#54

Dibenzenofuran

Concen: 16.55 ng/ul

RT: 15.12 min Scan# 2090

Delta R.T. -0.00 min

Lab File: BG020275.D

Acq: 18 Dec 2015 14:59

Instrument :

BNA_G

ClientSampleId :

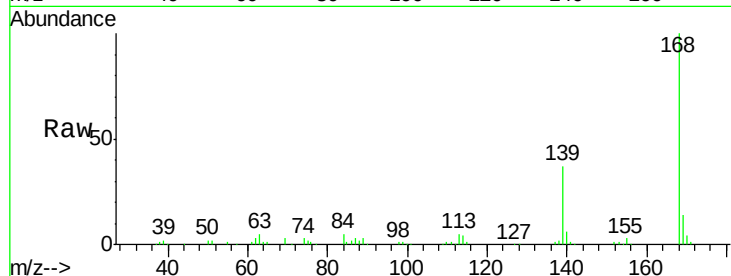
D9N34DL2

Tgt Ion:168 Resp: 83633

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

15.12

60000

50000

40000

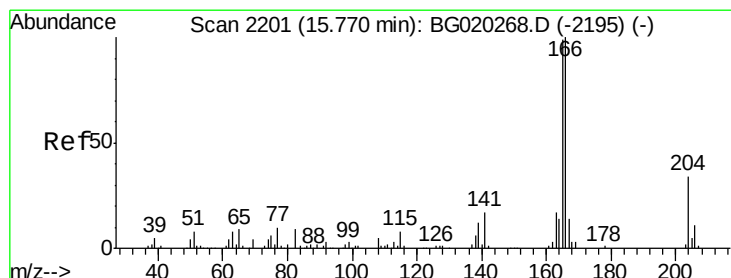
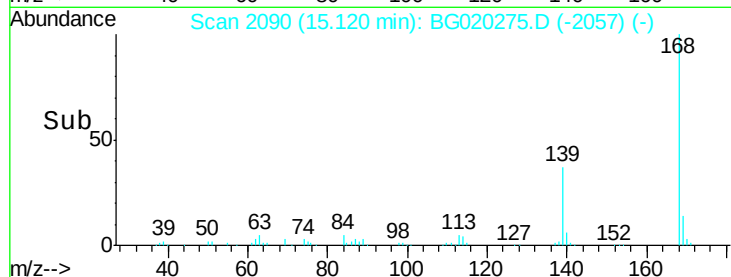
30000

20000

10000

0

Time--> 15.05 15.10 15.15



#59

Fluorene

Concen: 20.21 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BG020275.D

Acq: 18 Dec 2015 14:59

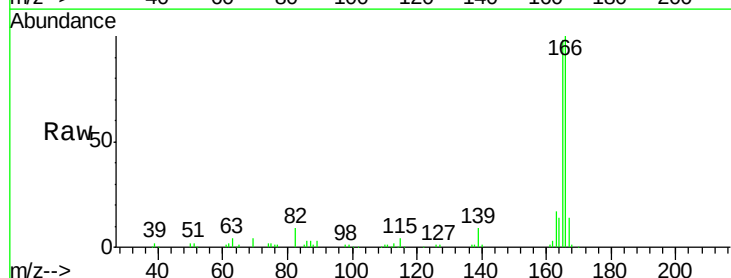
Tgt Ion:166 Resp: 82046

Ion Ratio Lower Upper

166 100

165 98.0 81.4 122.0

167 14.0 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

15.77

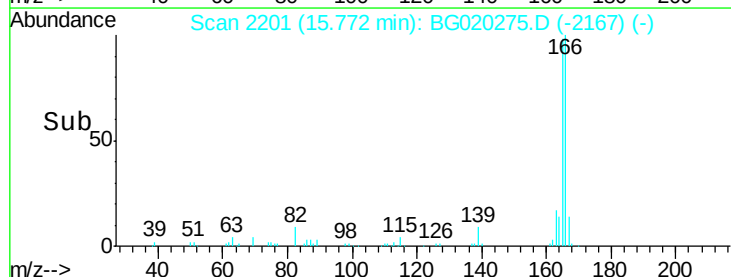
60000

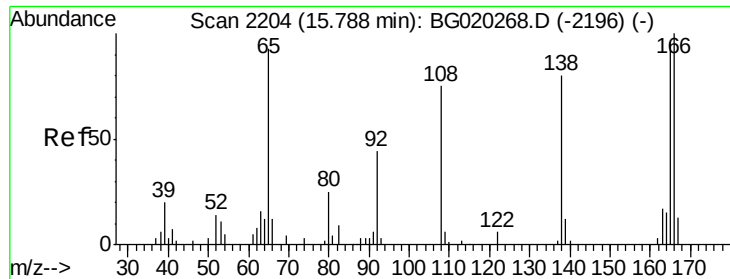
40000

20000

0

Time--> 15.70 15.75 15.80

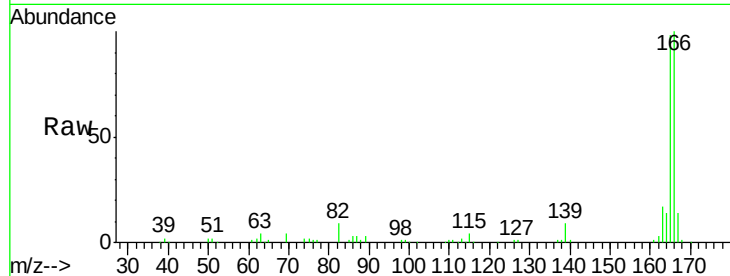




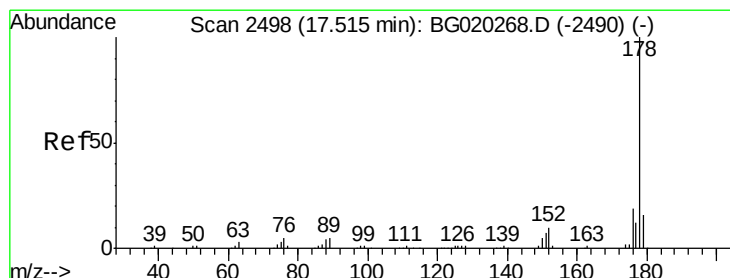
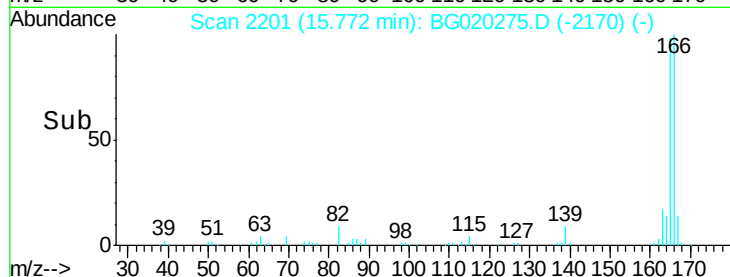
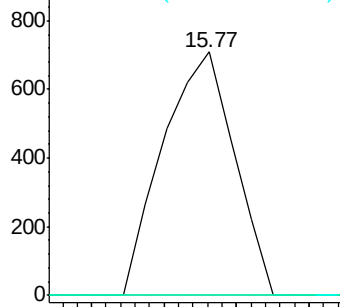
#61
4-Nitroaniline
Concen: 1.07 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BG020275.D
Acq: 18 Dec 2015 14:59

Instrument :
BNA_G
ClientSampleId :
D9N34DL2

Tgt Ion:138 Resp: 971
Ion Ratio Lower Upper
138 100
92 0.0 45.2 67.8#
108 0.0 75.4 113.0#

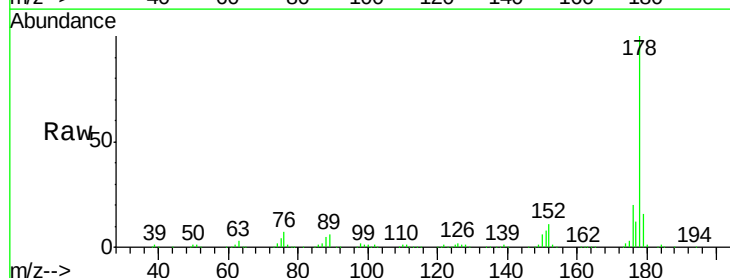


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

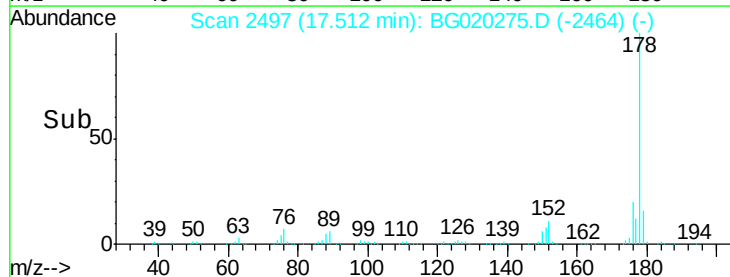
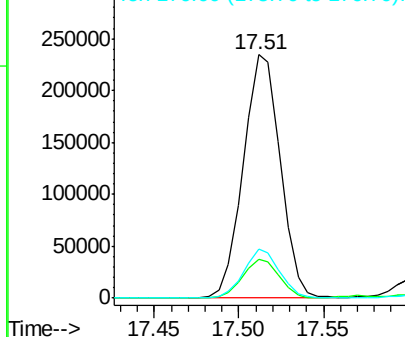


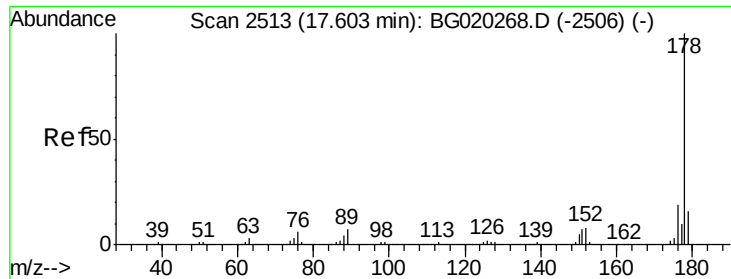
#70
Phenanthrene
Concen: 48.91 ng/ul
RT: 17.51 min Scan# 2497
Delta R.T. -0.00 min
Lab File: BG020275.D
Acq: 18 Dec 2015 14:59

Tgt Ion:178 Resp: 356939
Ion Ratio Lower Upper
178 100
179 15.8 12.9 19.3
176 20.1 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: 4.03 ng/ul

RT: 17.61 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG020275.D

Acq: 18 Dec 2015 14:59

Instrument :

BNA_G

ClientSampleId :

D9N34DL2

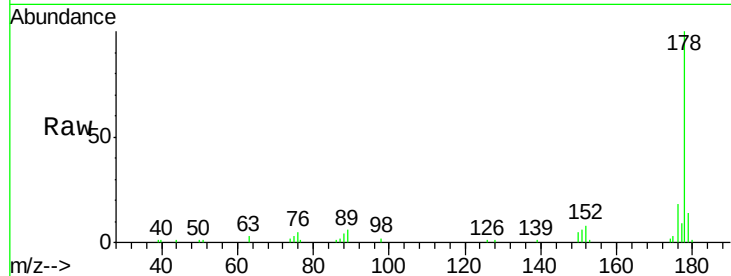
Tgt Ion:178 Resp: 29807

Ion Ratio Lower Upper

178 100

179 14.5 12.3 18.5

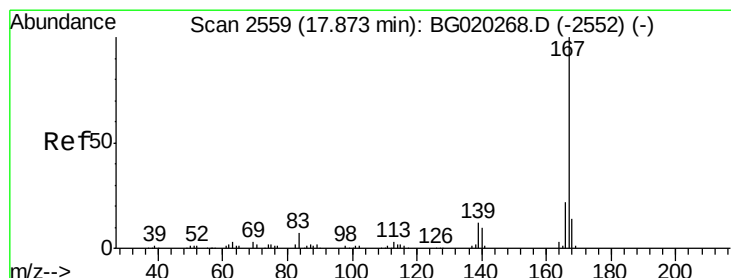
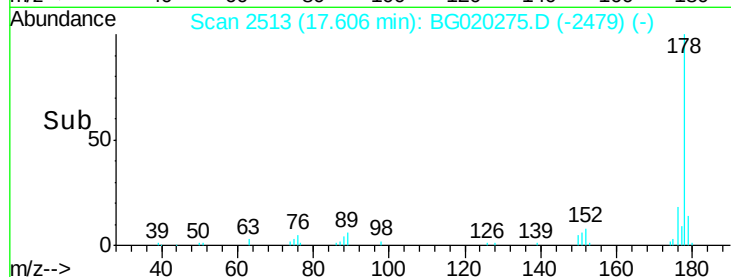
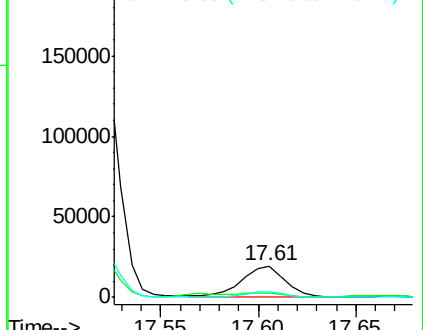
176 18.0 14.3 21.5



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: 2.15 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.00 min

Lab File: BG020275.D

Acq: 18 Dec 2015 14:59

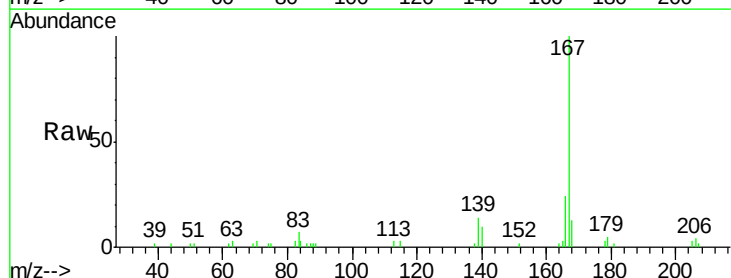
Tgt Ion:167 Resp: 13359

Ion Ratio Lower Upper

167 100

166 23.7 17.0 25.6

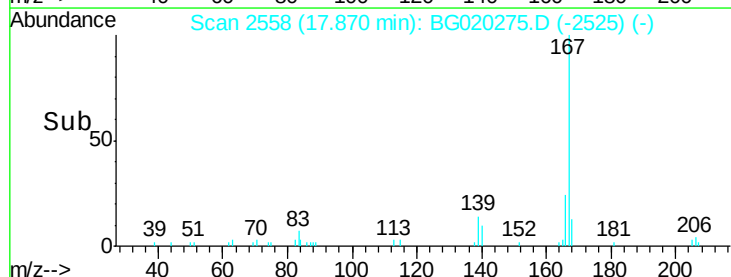
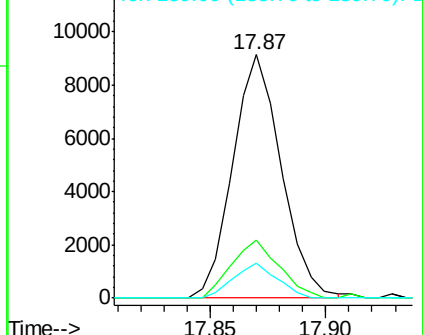
139 14.3 10.1 15.1

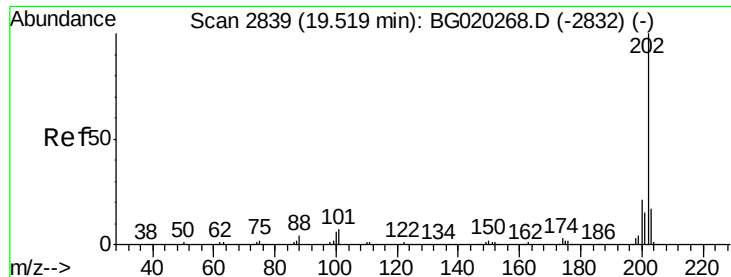


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 25.17 ng/ul

RT: 19.52 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BG020275.D

Acq: 18 Dec 2015 14:59

Instrument :

BNA_G

ClientSampleId :

D9N34DL2

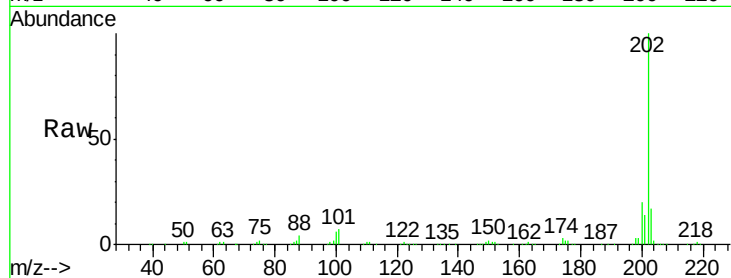
Tgt Ion:202 Resp: 214669

Ion Ratio Lower Upper

202 100

101 7.1 6.2 9.4

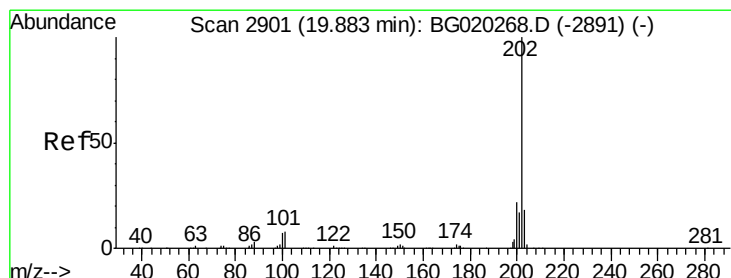
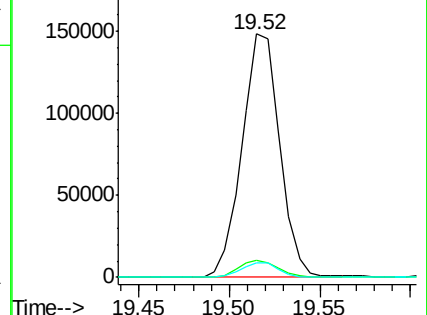
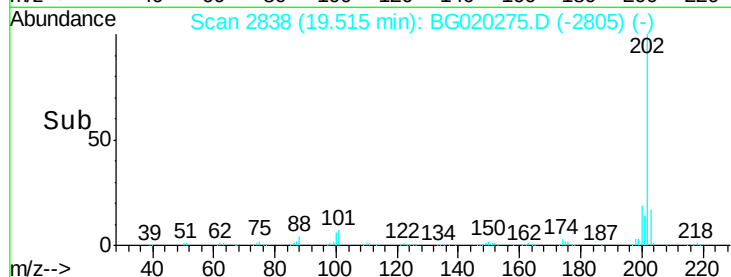
100 5.8 5.1 7.7



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



#80

Pyrene

Concen: 13.32 ng/ul

RT: 19.88 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG020275.D

Acq: 18 Dec 2015 14:59

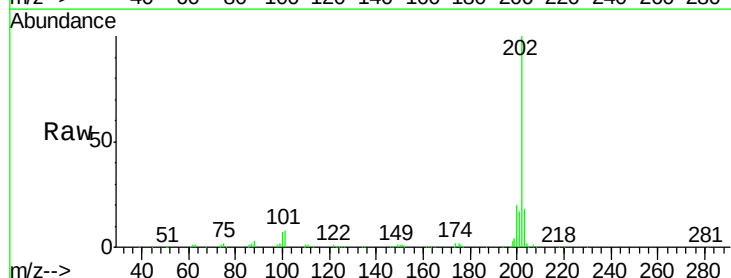
Tgt Ion:202 Resp: 140312

Ion Ratio Lower Upper

202 100

101 8.3 7.0 10.4

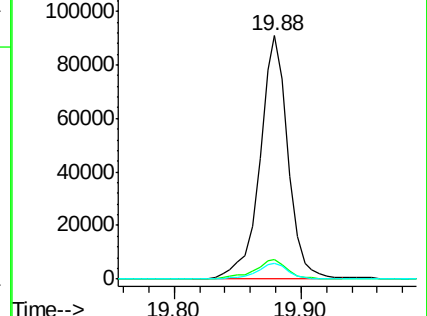
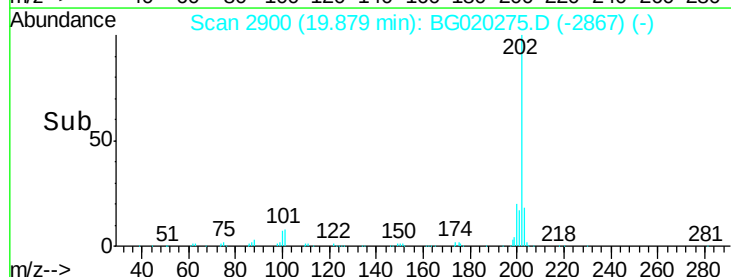
100 6.7 6.4 9.6

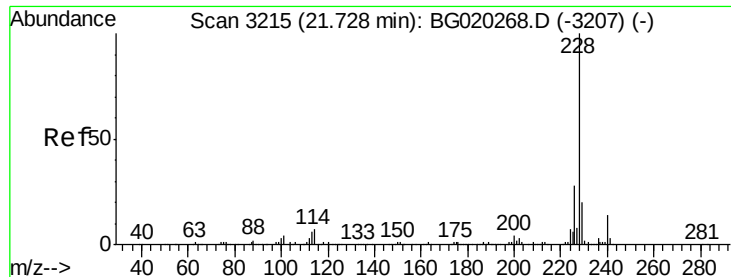


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

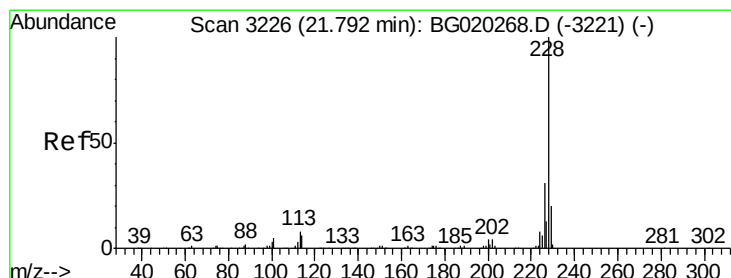
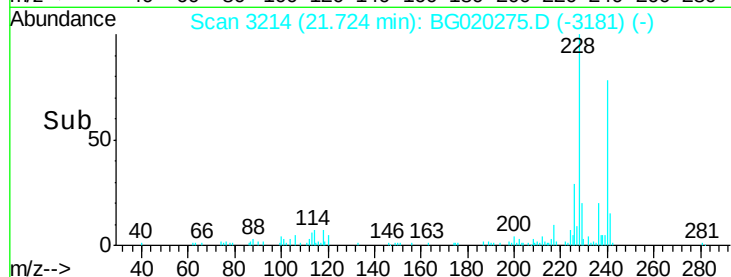
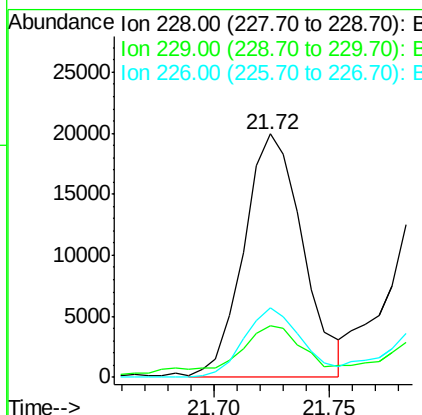
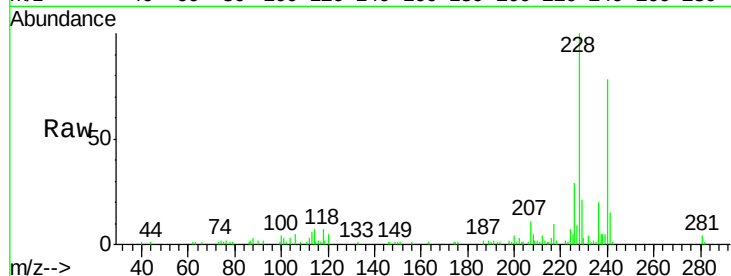




#83
Benzo(a)anthracene
Concen: 3.49 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. -0.00 min
Lab File: BG020275.D
Acq: 18 Dec 2015 14:59

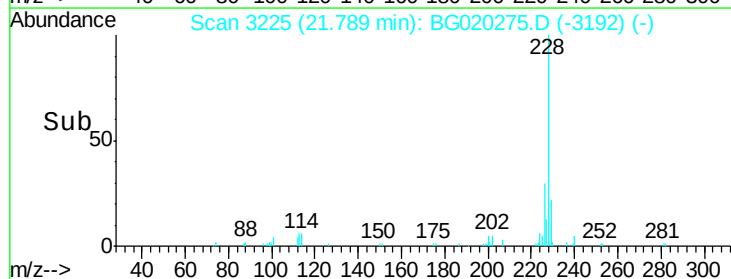
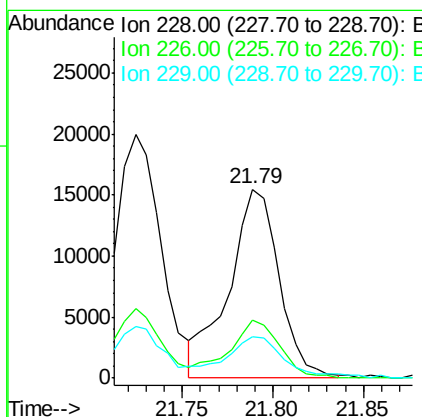
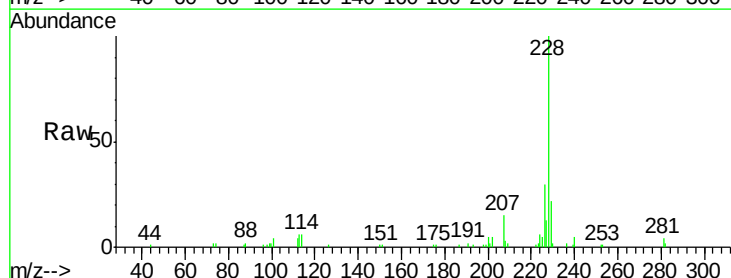
Instrument :
BNA_G
ClientSampleId :
D9N34DL2

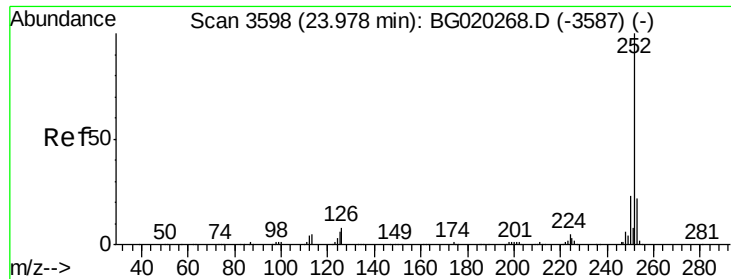
Tgt Ion:228 Resp: 35399
Ion Ratio Lower Upper
228 100
229 21.4 15.8 23.8
226 28.6 21.8 32.6



#85
Chrysene
Concen: 3.13 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. -0.00 min
Lab File: BG020275.D
Acq: 18 Dec 2015 14:59

Tgt Ion:228 Resp: 29955
Ion Ratio Lower Upper
228 100
226 30.5 23.9 35.9
229 22.0 15.6 23.4





#88

Benzo(b)fluoranthene

Concen: 1.30 ng/ul

RT: 23.98 min Scan# 3598

Delta R.T. 0.00 min

Lab File: BG020275.D

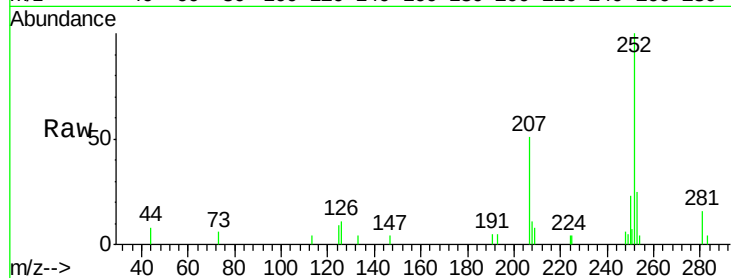
Acq: 18 Dec 2015 14:59

Instrument :

BNA_G

ClientSampleId :

D9N34DL2



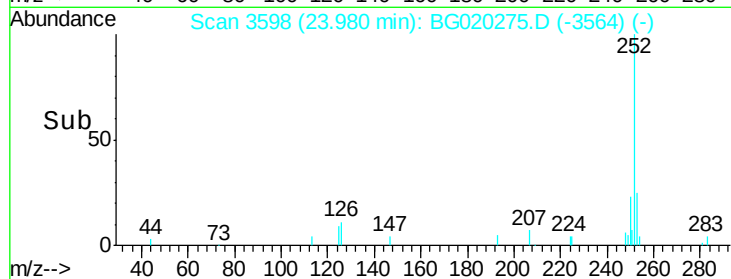
Tgt Ion: 252 Resp: 12445

Ion Ratio Lower Upper

252 100

253 25.4 16.7 25.1#

125 9.4 6.2 9.2#



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

