

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020276.D
 Acq On : 18 Dec 2015 15:38
 Operator : UM/SJ
 Sample : G4767-13DL2 30X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N35DL2

Quant Time: Dec 18 23:49:37 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	15929	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	69757	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	51701	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	130550	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	168578	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	154515	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	588	0.42	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	449	0.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	574	0.56	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	448	0.37	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	138	0.25	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	173	0.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	555	0.45	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	700	0.51	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	3147	0.75	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	3523	0.72	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.71	176	3549	0.94	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.47	188	130550	21.70	ng/ul	-0.10
79) Pyrene-d10	19.85	212	5498	0.70	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	3149	0.41	ng/ul	-0.01

Target Compounds

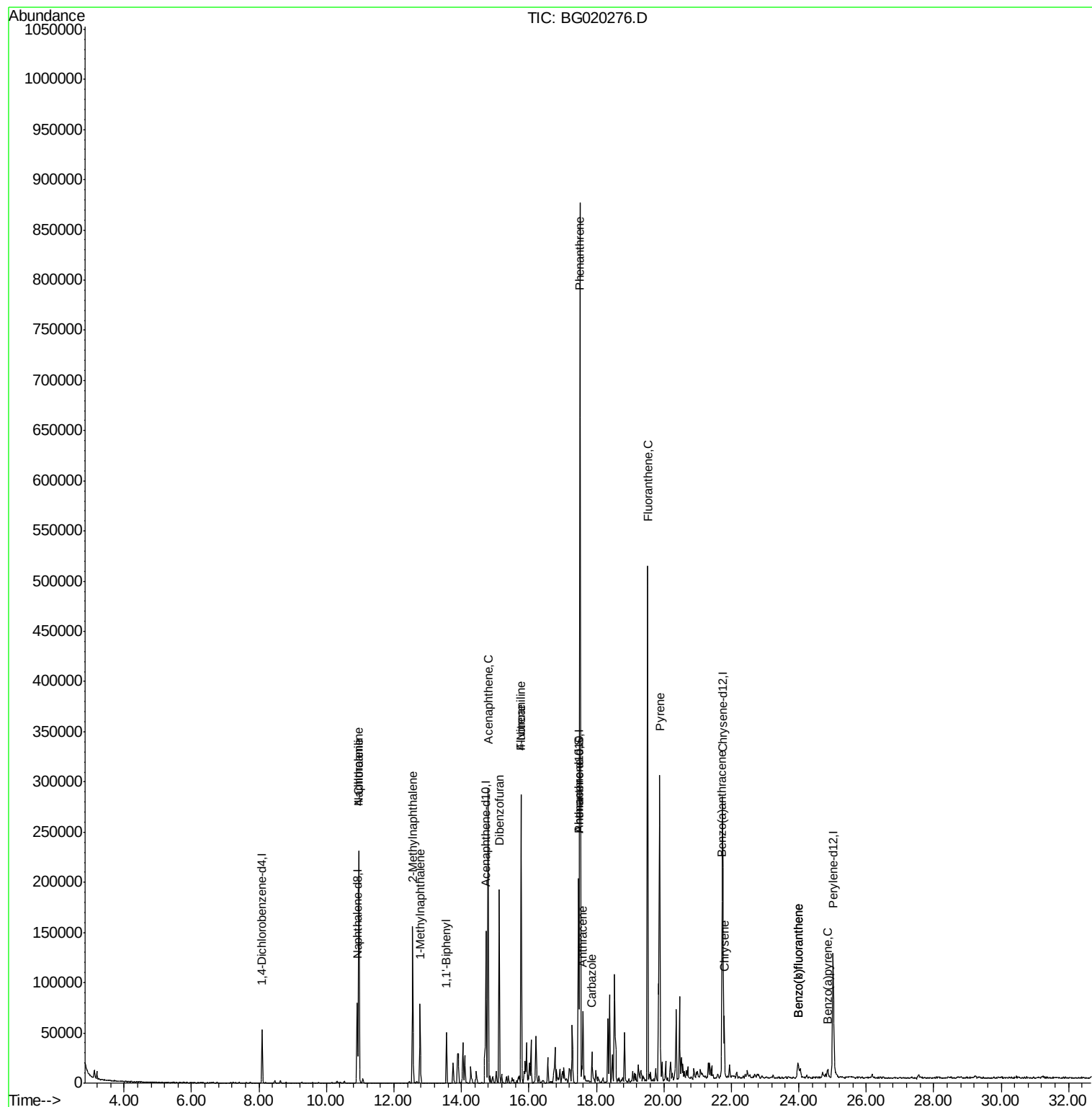
						Qvalue
28) Naphthalene	10.96	128	198847	54.59	ng/ul	98
30) 4-Chloroaniline	10.96	127	27088	19.27	ng/ul#	8
34) 2-Methylnaphthalene	12.56	142	72763	26.15	ng/ul	98
35) 1-Methylnaphthalene	12.78	142	37939	14.18	ng/ul	90
41) 1,1'-Biphenyl	13.56	154	27721	7.11	ng/ul	93
50) Acenaphthene	14.79	153	124367	35.76	ng/ul	99
54) Dibenzofuran	15.13	168	127139	24.57	ng/ul	95
59) Fluorene	15.77	166	131400	31.63	ng/ul	98
61) 4-Nitroaniline	15.78	138	1514	1.63	ng/ul#	10
70) Phenanthrene	17.52	178	569801	79.79	ng/ul	99
72) Anthracene	17.60	178	51270	7.08	ng/ul	99
75) Carbazole	17.87	167	19481	3.20	ng/ul	100
77) Fluoranthene	19.52	202	345055	41.35	ng/ul	98
80) Pyrene	19.88	202	222688	21.83	ng/ul	99
83) Benzo(a)anthracene	21.72	228	58206	5.92	ng/ul	96
85) Chrysene	21.79	228	46519	5.02	ng/ul	98
88) Benzo(b)fluoranthene	23.98	252	21587	2.32	ng/ul	95
89) Benzo(k)fluoranthene	23.98	252	21587	2.42	ng/ul	98
91) Benzo(a)pyrene	24.86	252	12662	1.44	ng/ul#	94

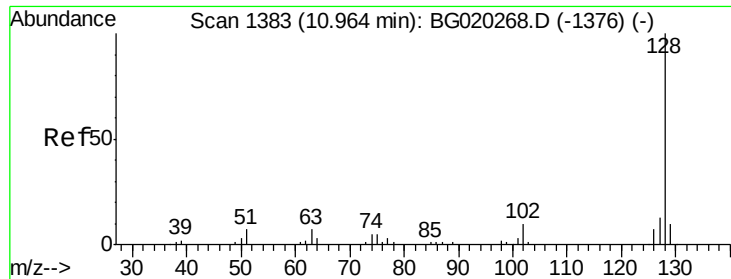
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

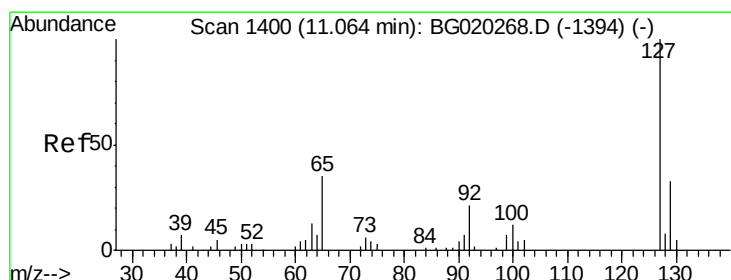
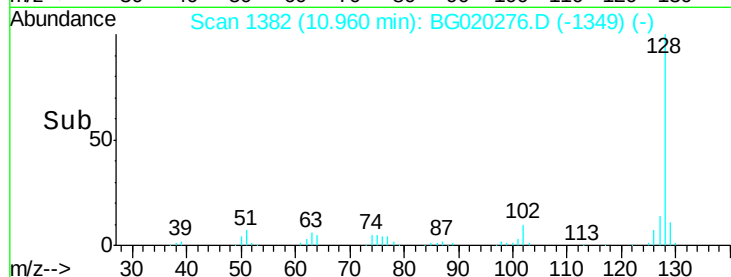
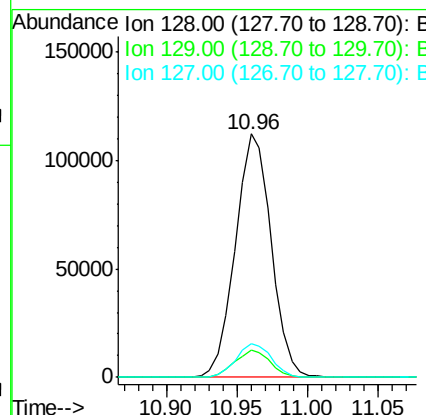
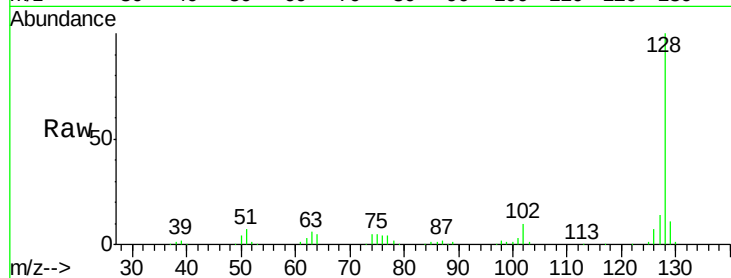




#28
Naphthalene
Concen: 54.59 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. -0.00 min
Lab File: BG020276.D
Acq: 18 Dec 2015 15:38

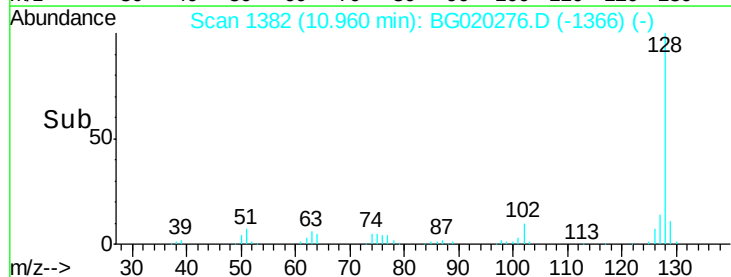
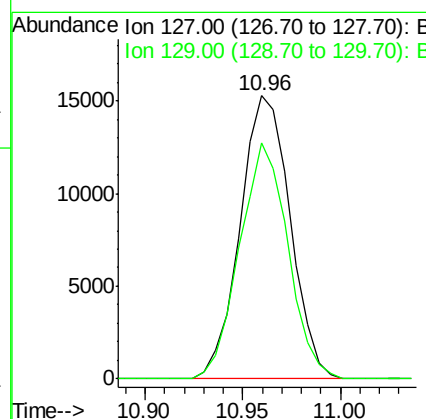
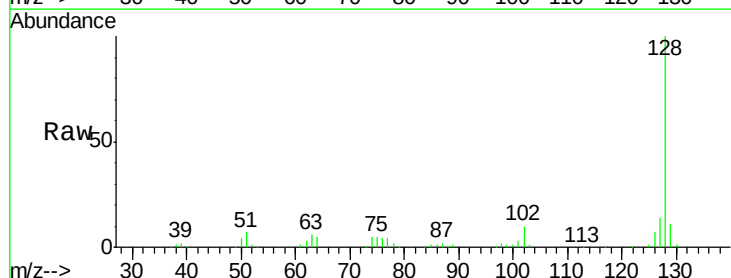
Instrument :
BNA_G
ClientSampleId :
D9N35DL2

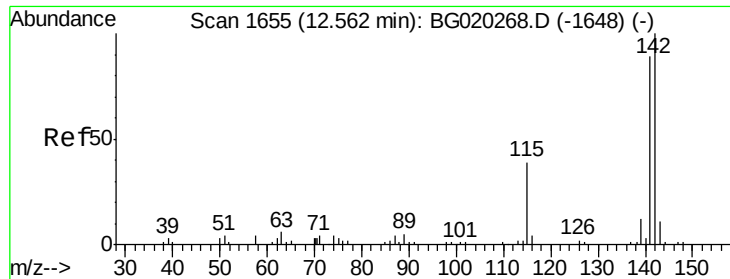
Tgt Ion:128 Resp: 198847
Ion Ratio Lower Upper
128 100
129 11.3 8.6 12.8
127 13.6 10.1 15.1



#30
4-Chloroaniline
Concen: 19.27 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. -0.10 min
Lab File: BG020276.D
Acq: 18 Dec 2015 15:38

Tgt Ion:127 Resp: 27088
Ion Ratio Lower Upper
127 100
129 83.4 25.7 38.5#

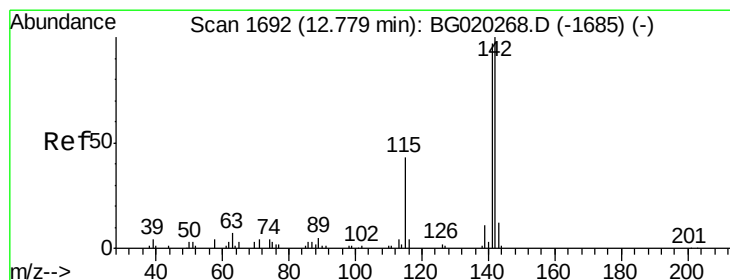
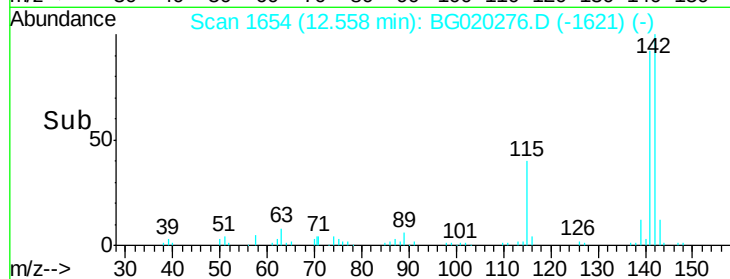
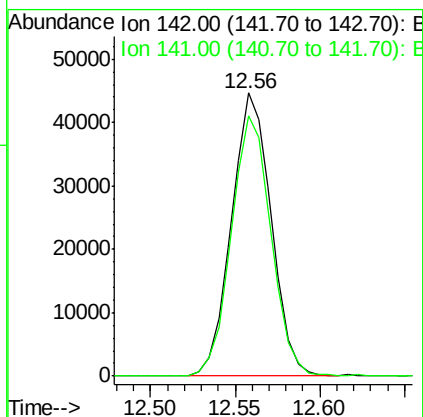
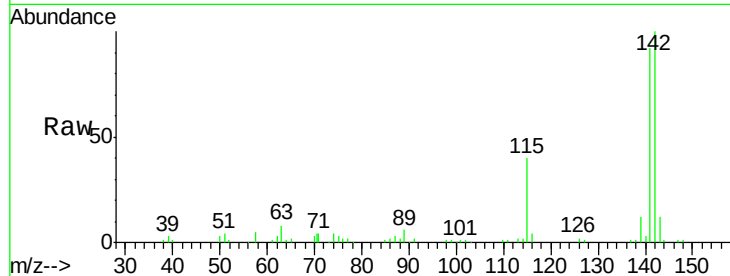




#34
 2-Methylnaphthalene
 Concen: 26.15 ng/ul
 RT: 12.56 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: BG020276.D
 Acq: 18 Dec 2015 15:38

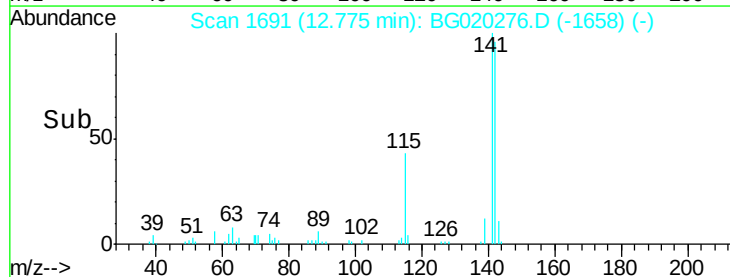
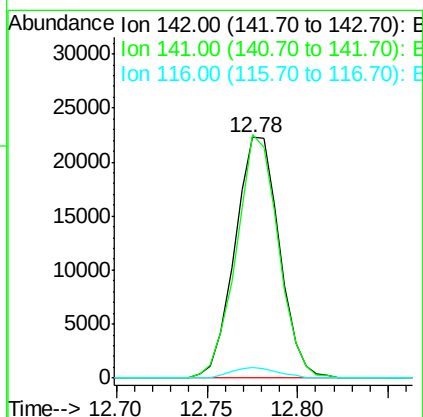
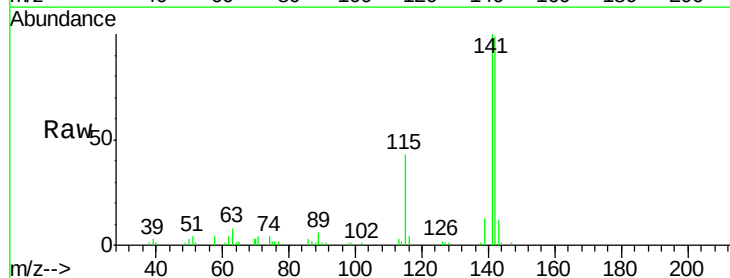
Instrument :
 BNA_G
 ClientSampleId :
 D9N35DL2

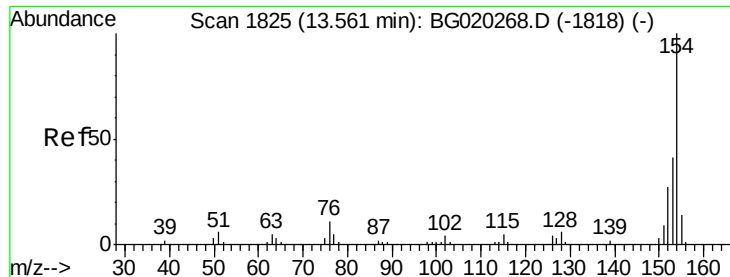
Tgt Ion:142 Resp: 72763
 Ion Ratio Lower Upper
 142 100
 141 92.2 74.9 112.3



#35
 1-Methylnaphthalene
 Concen: 14.18 ng/ul
 RT: 12.78 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: BG020276.D
 Acq: 18 Dec 2015 15:38

Tgt Ion:142 Resp: 37939
 Ion Ratio Lower Upper
 142 100
 141 101.0 73.0 109.6
 116 4.2 3.0 4.6

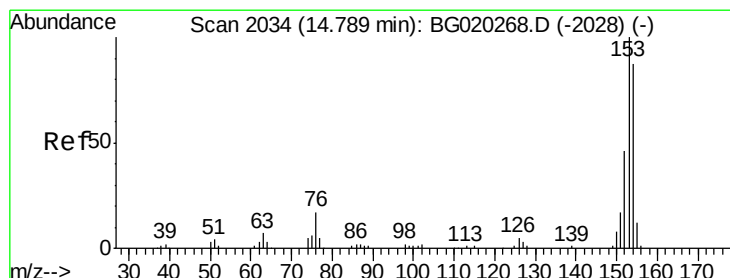
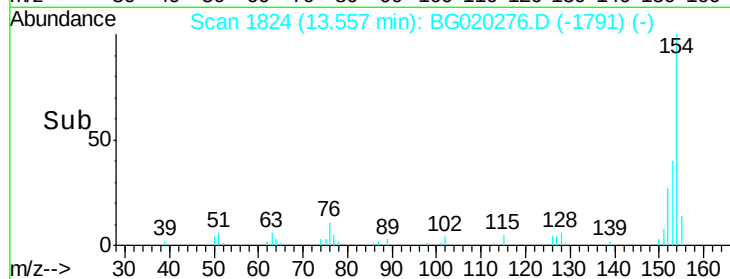
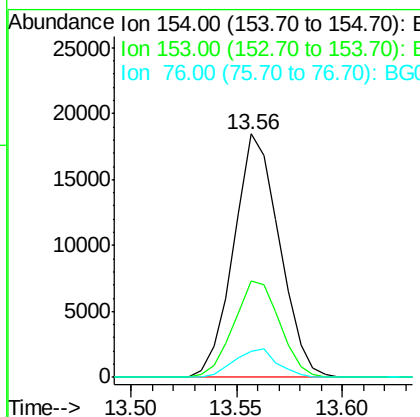
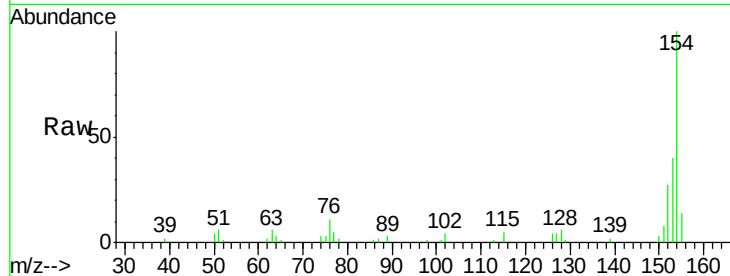




#41
1,1'-Biphenyl
Concen: 7.11 ng/ul
RT: 13.56 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BG020276.D
Acq: 18 Dec 2015 15:38

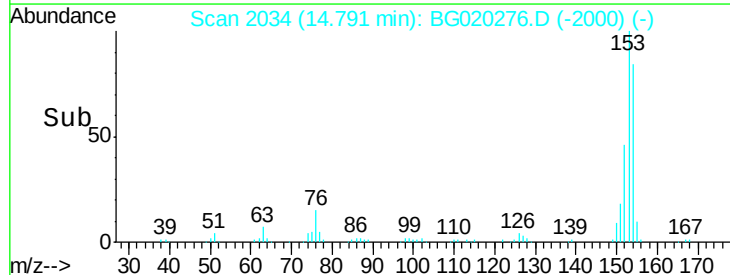
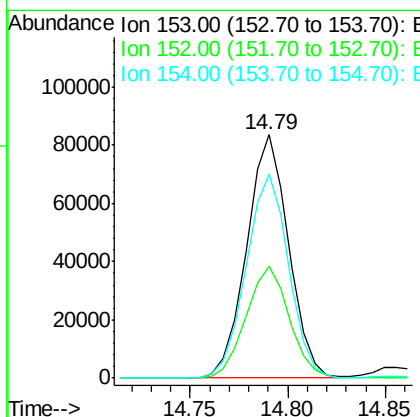
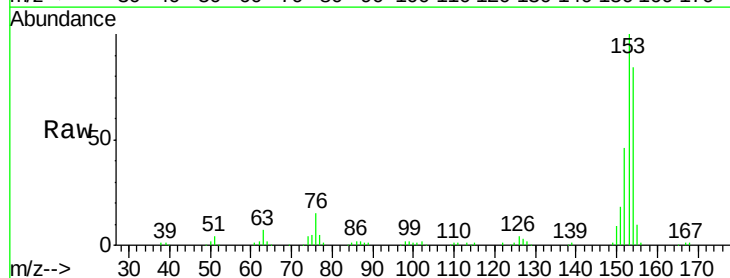
Instrument :
BNA_G
ClientSampleId :
D9N35DL2

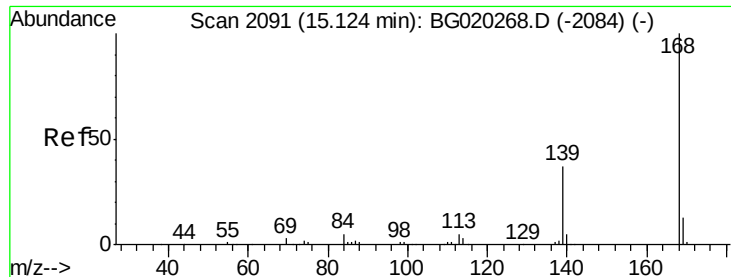
Tgt Ion:154 Resp: 27721
Ion Ratio Lower Upper
154 100
153 39.8 35.5 53.3
76 10.9 10.4 15.6



#50
Acenaphthene
Concen: 35.76 ng/ul
RT: 14.79 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BG020276.D
Acq: 18 Dec 2015 15:38

Tgt Ion:153 Resp: 124367
Ion Ratio Lower Upper
153 100
152 46.0 37.6 56.4
154 83.9 67.9 101.9





#54

Dibenzenofuran

Concen: 24.57 ng/ul

RT: 15.13 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BG020276.D

Acq: 18 Dec 2015 15:38

Instrument :

BNA_G

ClientSampleId :

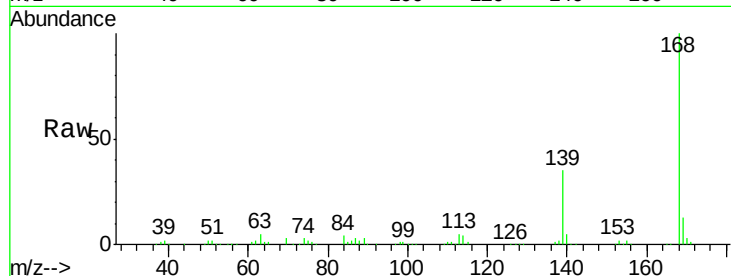
D9N35DL2

Tgt Ion:168 Resp: 127139

Ion Ratio Lower Upper

168 100

139 35.1 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

80000

60000

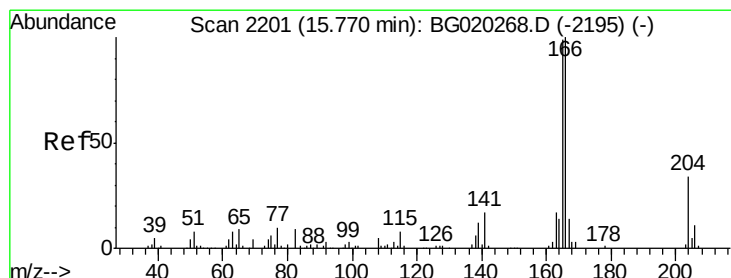
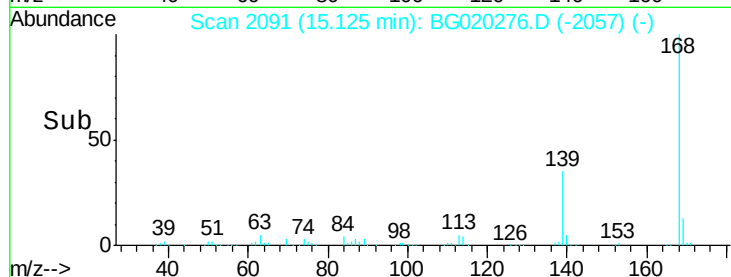
40000

20000

0

15.05 15.10 15.15

Time-->



#59

Fluorene

Concen: 31.63 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BG020276.D

Acq: 18 Dec 2015 15:38

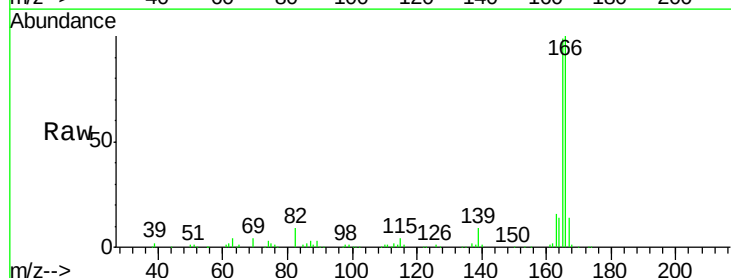
Tgt Ion:166 Resp: 131400

Ion Ratio Lower Upper

166 100

165 99.3 81.4 122.0

167 13.7 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

120000

100000

80000

60000

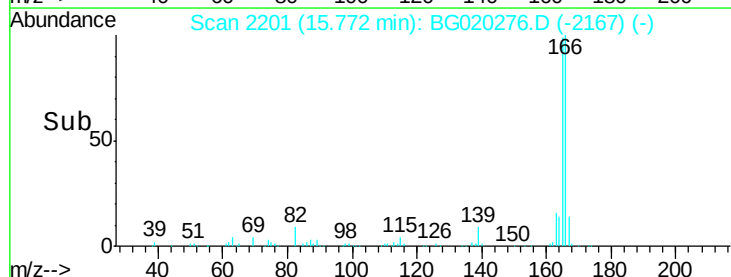
40000

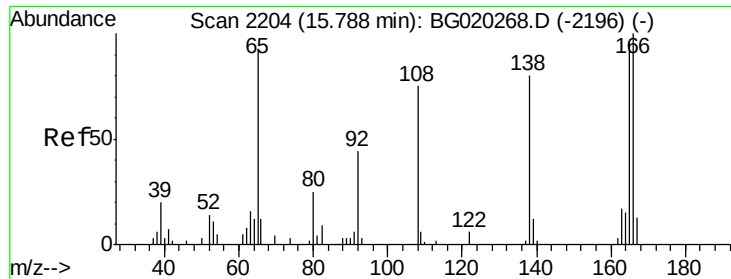
20000

0

15.70 15.75 15.80 15.85

Time-->

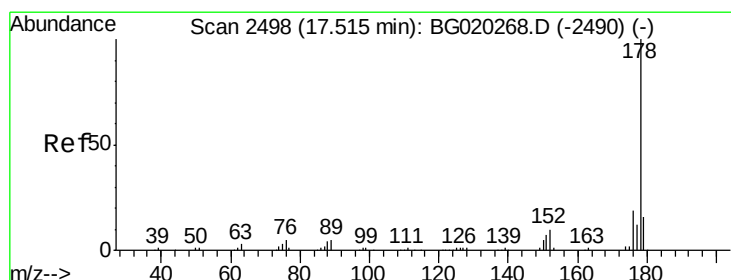
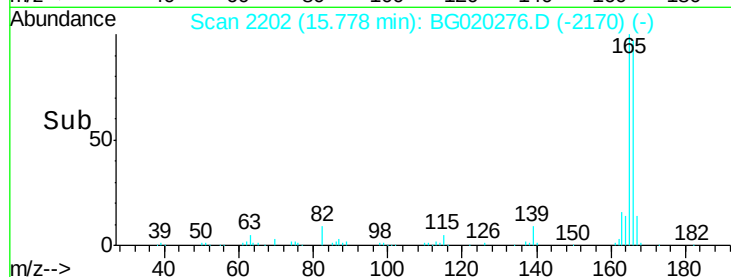
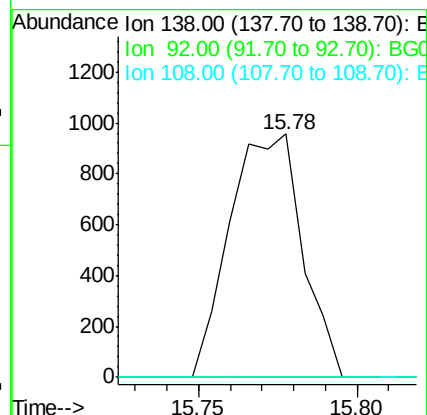
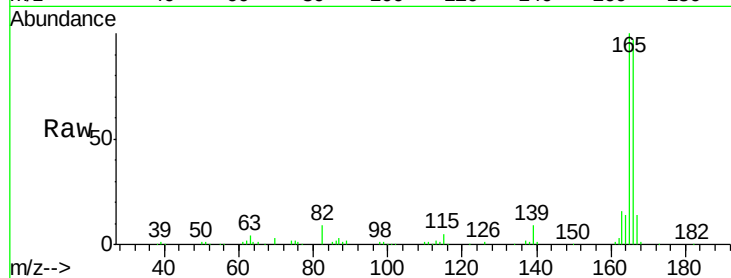




#61
4-Nitroaniline
Concen: 1.63 ng/ul
RT: 15.78 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BG020276.D
Acq: 18 Dec 2015 15:38

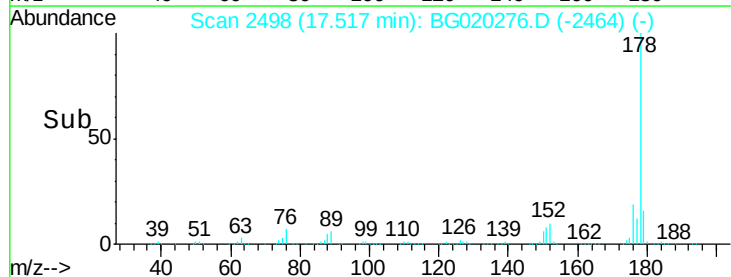
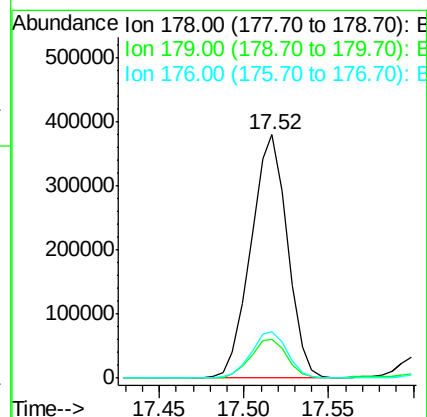
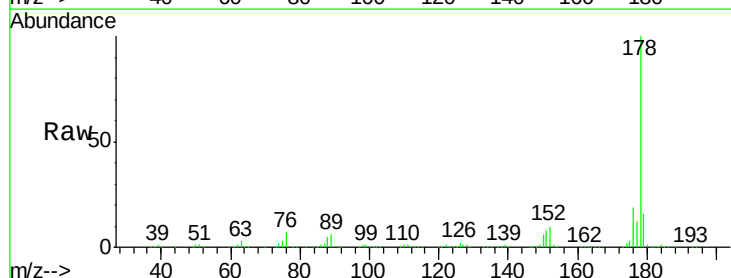
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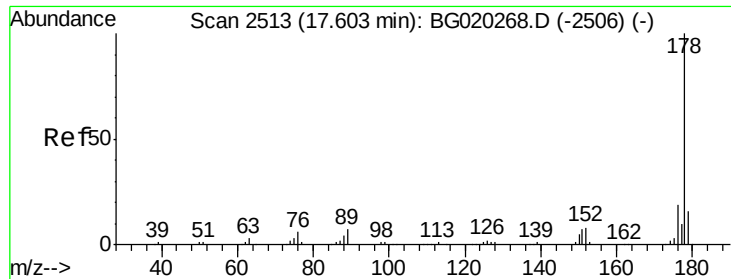
Tgt Ion:138 Resp: 1514
Ion Ratio Lower Upper
138 100
92 0.0 45.2 67.8#
108 0.0 75.4 113.0#



#70
Phenanthrene
Concen: 79.79 ng/ul
RT: 17.52 min Scan# 2498
Delta R.T. 0.00 min
Lab File: BG020276.D
Acq: 18 Dec 2015 15:38

Tgt Ion:178 Resp: 569801
Ion Ratio Lower Upper
178 100
179 15.9 12.9 19.3
176 19.3 15.3 22.9





#72

Anthracene

Concen: 7.08 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG020276.D

Acq: 18 Dec 2015 15:38

Instrument :

BNA_G

ClientSampleId :

D9N35DL2

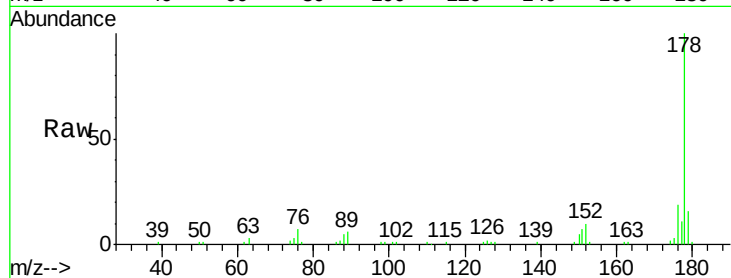
Tgt Ion:178 Resp: 51270

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

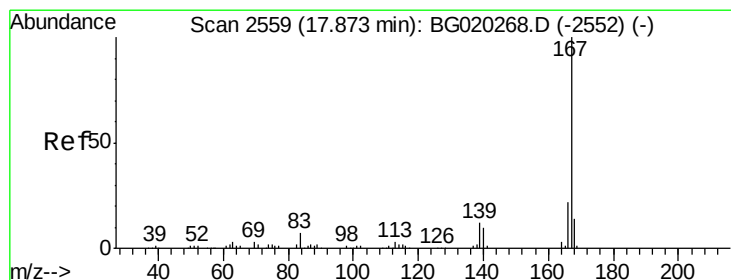
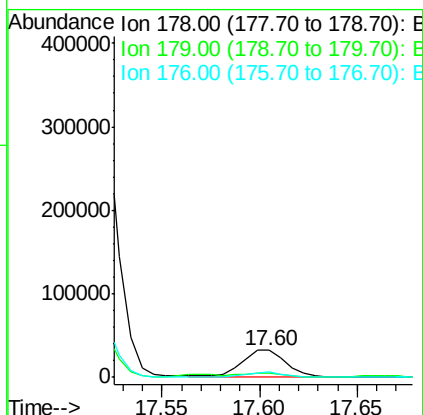
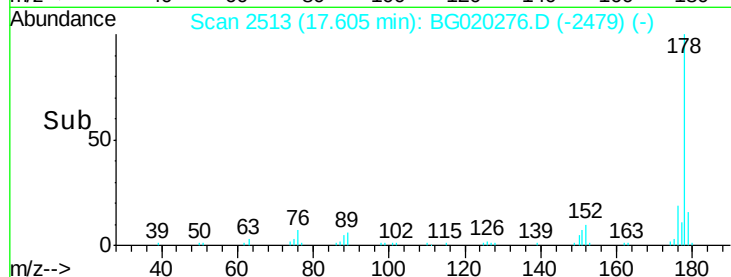
176 18.6 14.3 21.5



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: 3.20 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.00 min

Lab File: BG020276.D

Acq: 18 Dec 2015 15:38

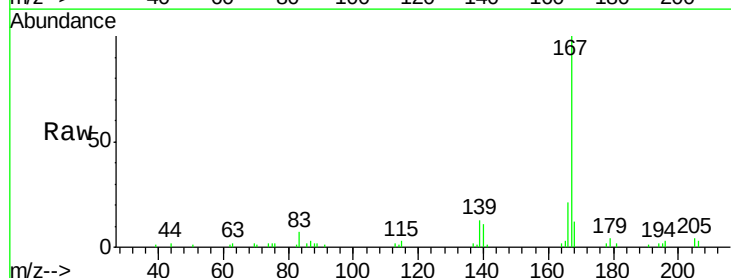
Tgt Ion:167 Resp: 19481

Ion Ratio Lower Upper

167 100

166 21.2 17.0 25.6

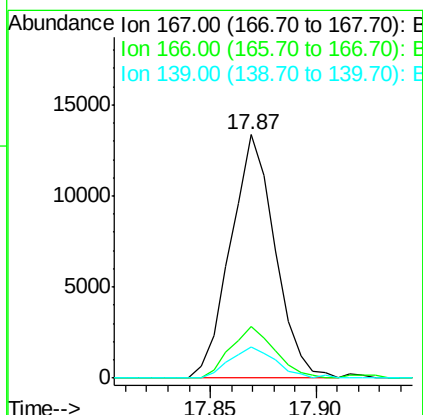
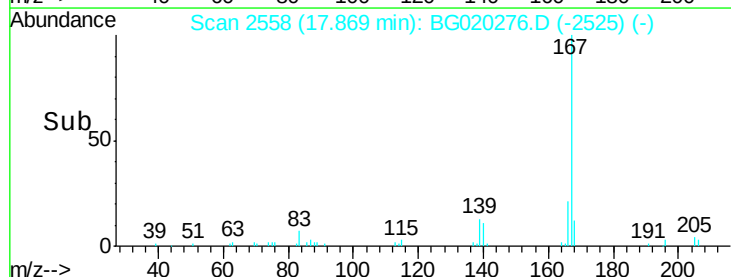
139 12.8 10.1 15.1

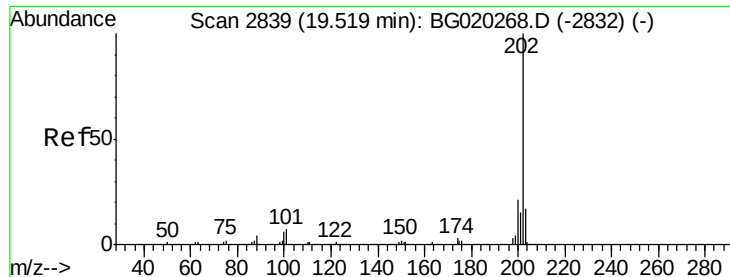


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 41.35 ng/ul

RT: 19.52 min Scan# 2839

Delta R.T. 0.00 min

Lab File: BG020276.D

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D9N35DL2

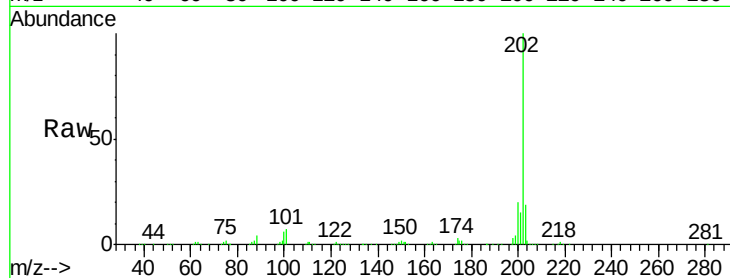
Tgt Ion:202 Resp: 345055

Ion Ratio Lower Upper

202 100

101 7.0 6.2 9.4

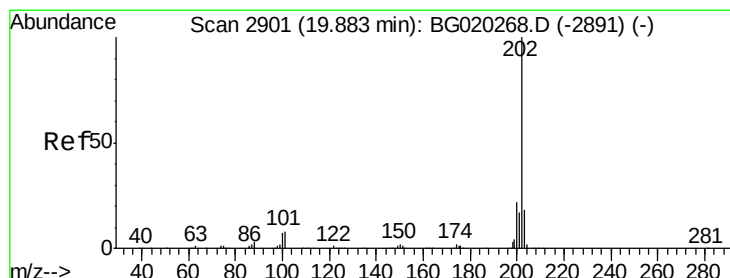
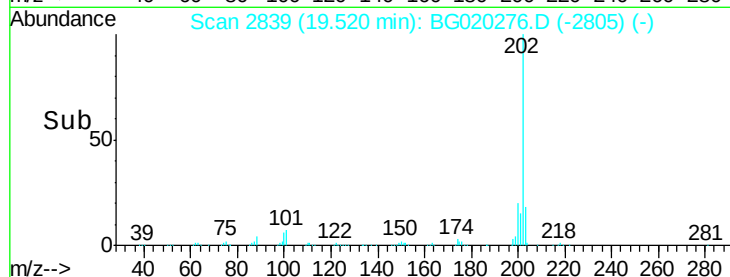
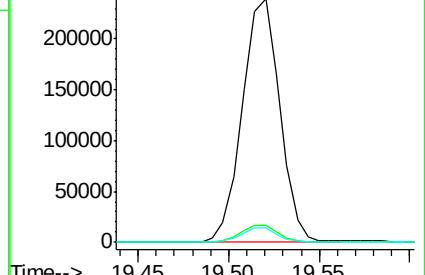
100 5.9 5.1 7.7



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: 21.83 ng/ul

RT: 19.88 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG020276.D

Acq: 18 Dec 2015 15:38

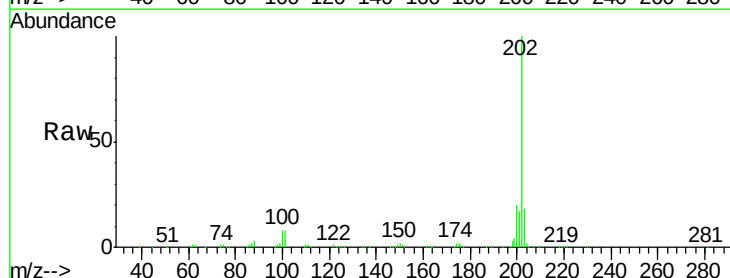
Tgt Ion:202 Resp: 222688

Ion Ratio Lower Upper

202 100

101 8.0 7.0 10.4

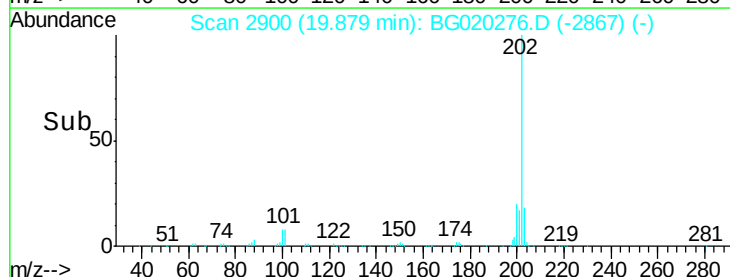
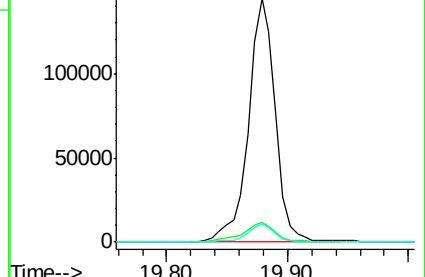
100 7.7 6.4 9.6

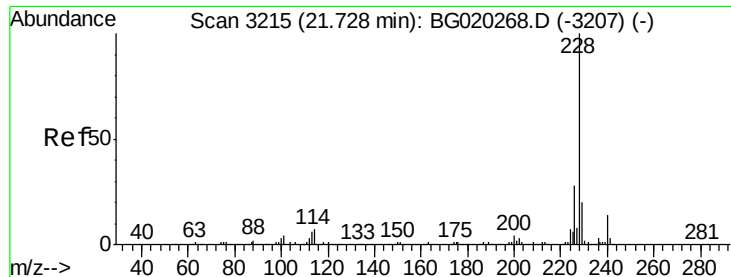


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

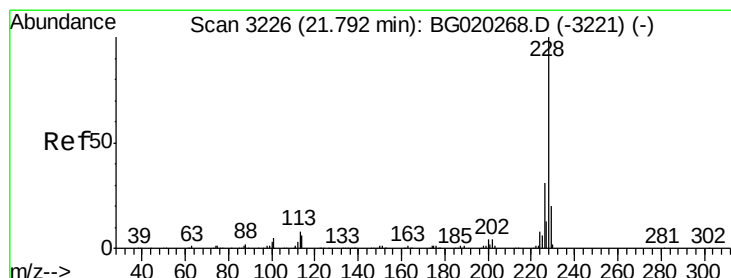
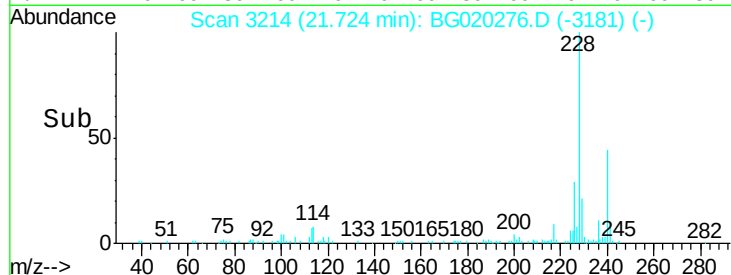
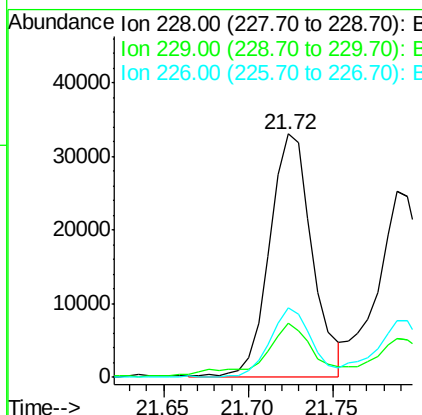
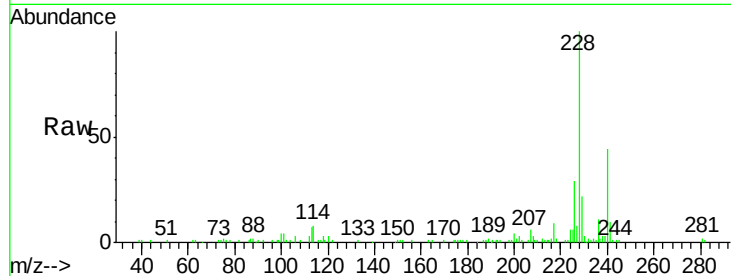




#83
Benzo(a)anthracene
Concen: 5.92 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. -0.00 min
Lab File: BG020276.D
Acq: 18 Dec 2015 15:38

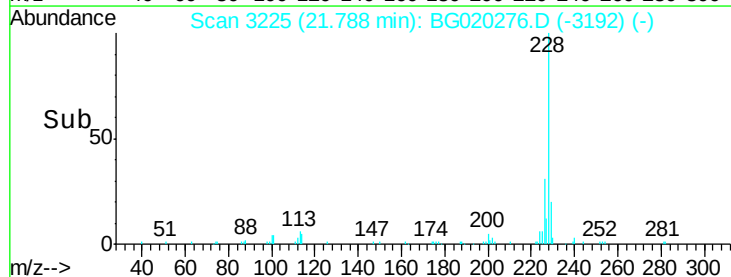
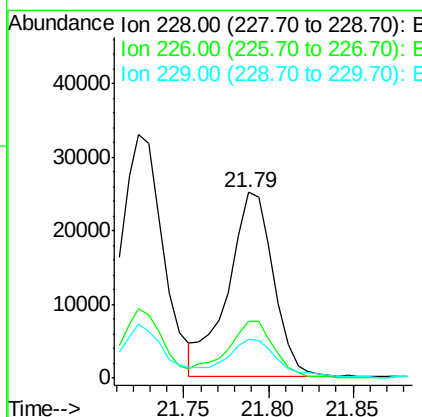
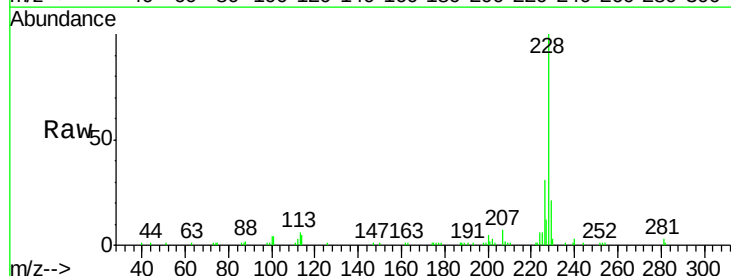
Instrument :
BNA_G
ClientSampleId :
D9N35DL2

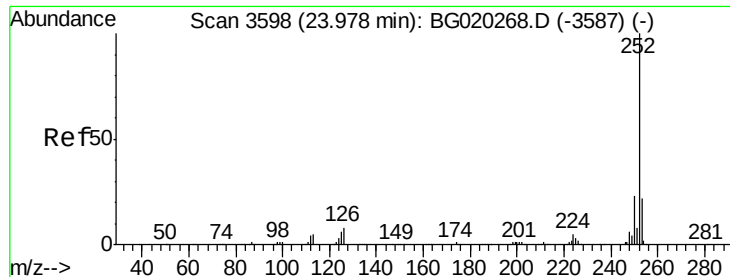
Tgt Ion:228 Resp: 58206
Ion Ratio Lower Upper
228 100
229 22.0 15.8 23.8
226 28.8 21.8 32.6



#85
Chrysene
Concen: 5.02 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. -0.00 min
Lab File: BG020276.D
Acq: 18 Dec 2015 15:38

Tgt Ion:228 Resp: 46519
Ion Ratio Lower Upper
228 100
226 30.8 23.9 35.9
229 20.9 15.6 23.4





#88

Benzo(b)fluoranthene

Concen: 2.32 ng/ul

RT: 23.98 min Scan# 3598

Delta R.T. 0.00 min

Lab File: BG020276.D

Acq: 18 Dec 2015 15:38

Instrument :

BNA_G

ClientSampleId :

D9N35DL2

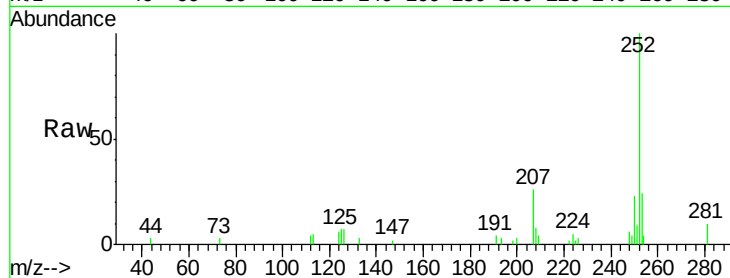
Tgt Ion:252 Resp: 21587

Ion Ratio Lower Upper

252 100

253 23.5 16.7 25.1

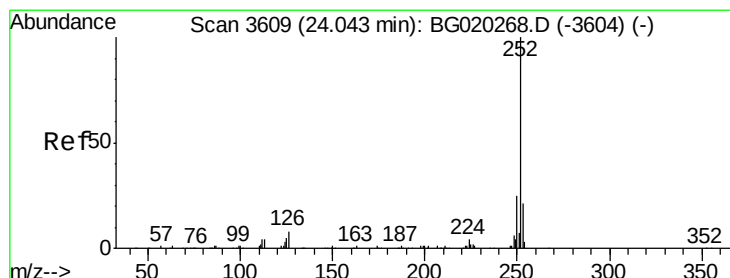
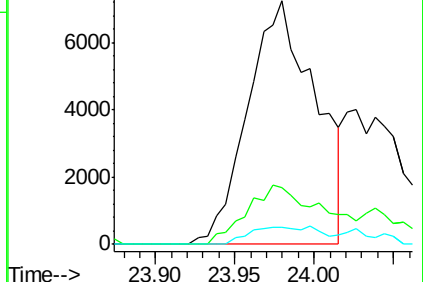
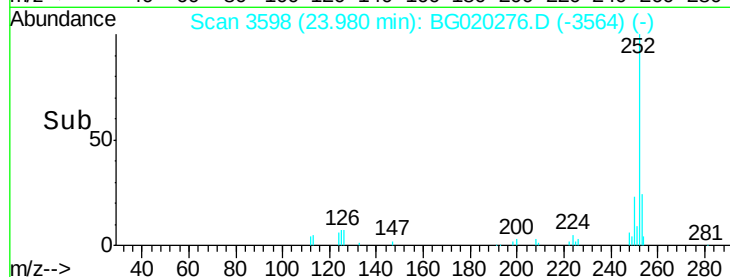
125 6.9 6.2 9.2



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



#89

Benzo(k)fluoranthene

Concen: 2.42 ng/ul

RT: 23.98 min Scan# 3598

Delta R.T. -0.06 min

Lab File: BG020276.D

Acq: 18 Dec 2015 15:38

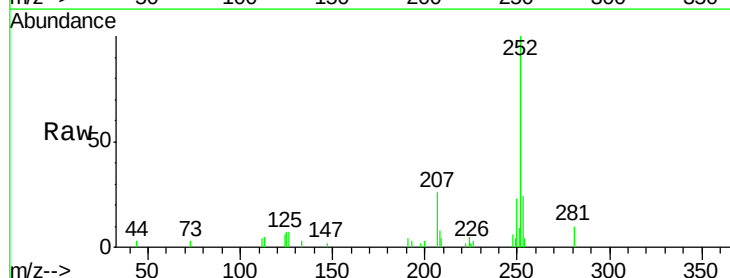
Tgt Ion:252 Resp: 21587

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

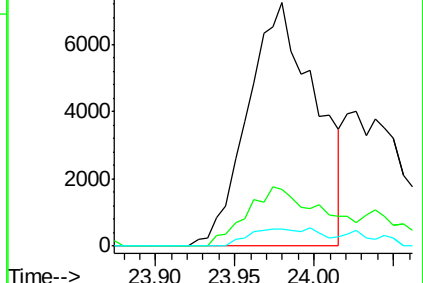
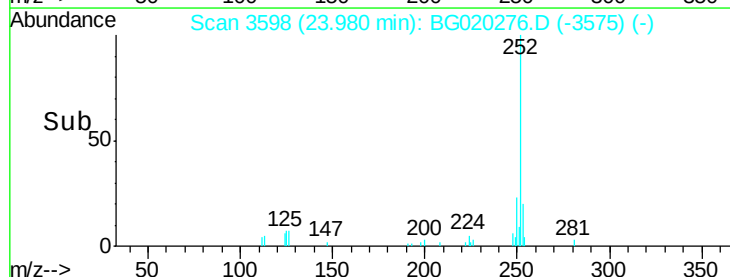
125 6.9 5.8 8.6

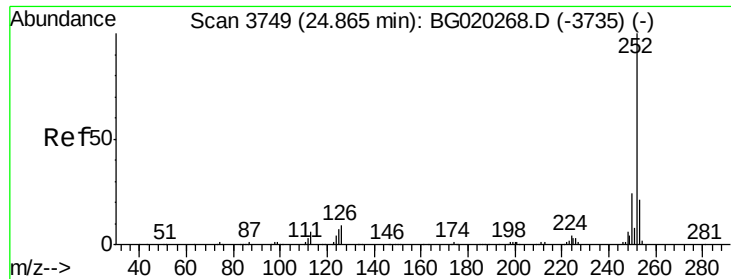


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 1.44 ng/ul

RT: 24.86 min Scan# 3748

Delta R.T. -0.00 min

Lab File: BG020276.D

Acq: 18 Dec 2015 15:38

Instrument :

BNA_G

ClientSampleId :

D9N35DL2

Tgt Ion:252 Resp: 12662

Ion Ratio Lower Upper

252 100

253 23.9 17.0 25.4

125 9.5 6.2 9.4#

