

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121016\
 Data File : BG025082.D
 Acq On : 10 Dec 2016 23:51
 Operator : UM/SJ
 Sample : H5905-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 12 04:26:14 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 12 04:23:16 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	64249	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	314434	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.85	164	268634	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	612867	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	753143	20.00	ng/ul	0.00
83) Perylene-d12	25.29	264	771407	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.59	96	5096	4.10	ng/uL	0.00
5) Phenol-d5	7.38	99	121665	21.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.54	67	95349	27.81	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	91642	23.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.93	113	109378	23.61	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	50637	22.74	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	59524	21.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	114790	21.50	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	104855	19.99	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	464276	25.13	ng/ul	0.00
46) Acenaphthylene-d8	14.55	160	471827	23.31	ng/ul	0.00
51) 4-Nitrophenol-d4	15.05	143	54953	17.30	ng/ul	0.00
57) Fluorene-d10	15.84	176	400542	23.03	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.96	200	84435	22.28	ng/ul	0.00
70) Anthracene-d10	17.70	188	618560	23.91	ng/ul	0.00
76) Pyrene-d10	19.97	212	725420	23.38	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.07	264	720617	23.06	ng/ul	0.00

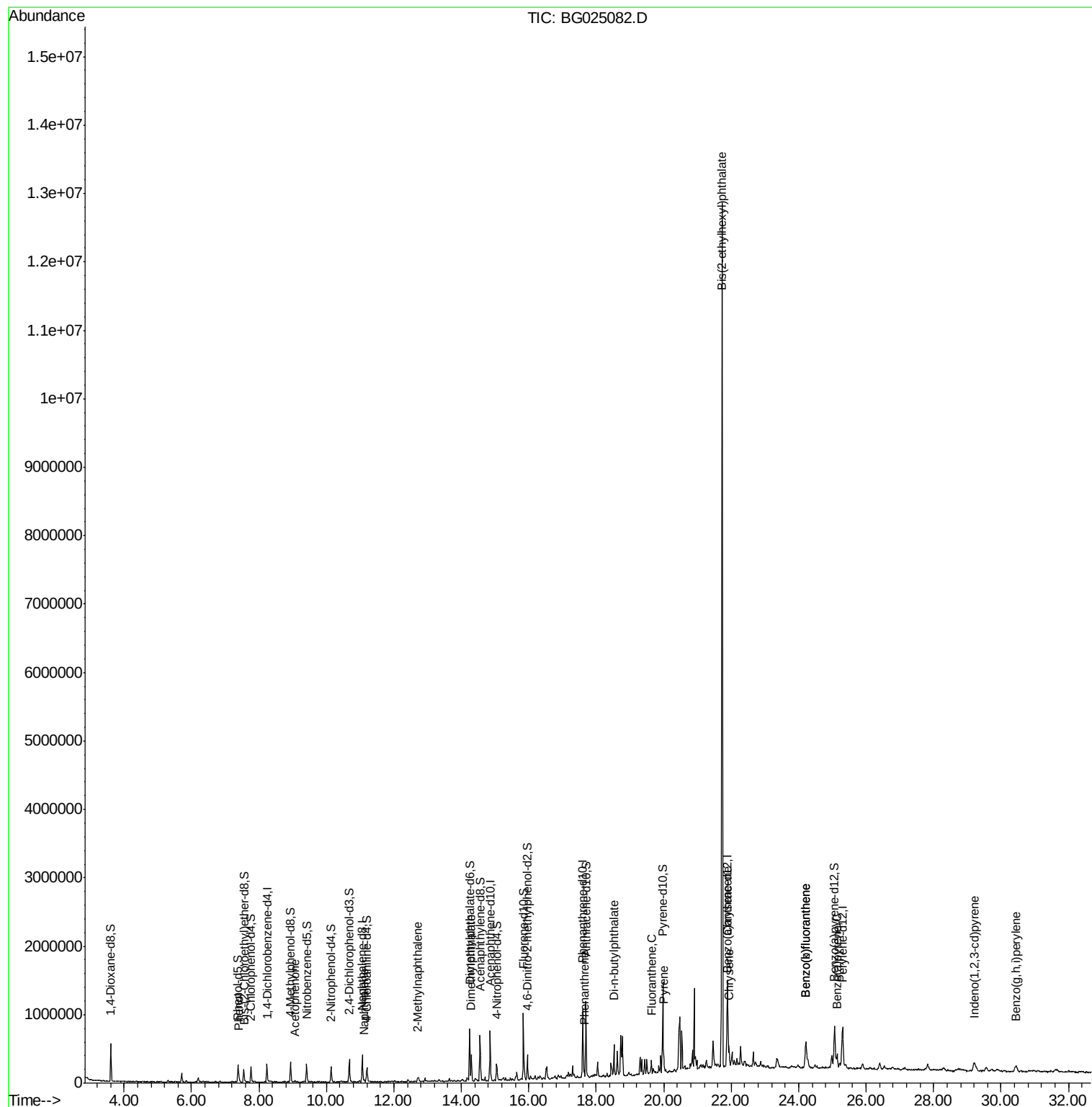
Target Compounds				Ovalue		
6) Phenol	7.40	94	28636	5.03	ng/ul#	89
14) Acetophenone	9.07	105	9158	1.30	ng/ul#	82
28) Naphthalene	11.11	128	22864	1.56	ng/ul#	95
34) 2-Methylnaphthalene	12.70	142	28361	2.46	ng/ul	90
44) Dimethylphthalate	14.30	163	204255	11.25	ng/ul	99
69) Phenanthrene	17.64	178	67678	2.31	ng/ul#	92
73) Di-n-butylphthalate	18.53	149	271644	8.58	ng/ul	99
74) Fluoranthene	19.64	202	134286	3.86	ng/ul#	96
77) Pyrene	20.00	202	152798	4.22	ng/ul	98
80) Benzo(a)anthracene	21.87	228	158467	4.05	ng/ul	95
81) Bis(2-ethylhexyl)phthalate	21.73	149	3978120	203.90	ng/ul#	70
82) Chrysene	21.94	228	259056	7.08	ng/ul	95
85) Benzo(b)fluoranthene	24.21	252	444077	11.61	ng/ul#	95
86) Benzo(k)fluoranthene	24.21	252	239957	6.60	ng/ul#	97
88) Benzo(a)pyrene	25.14	252	229193	6.23	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	29.20	276	223255	4.88	ng/ul#	94
91) Benzo(g,h,i)perylene	30.45	276	187112	4.91	ng/ul#	96

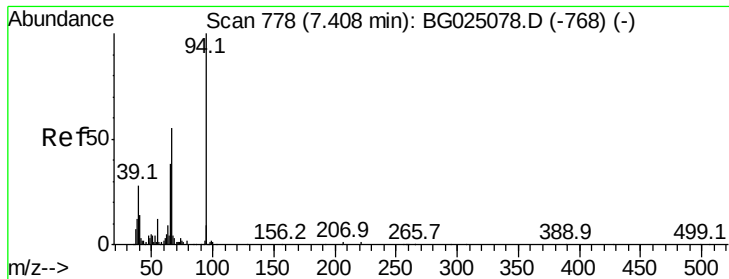
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 5.03 ng/ul

RT: 7.40 min Scan# 777

Delta R.T. -0.00 min

Lab File: BG025082.D

Acq: 10 Dec 2016 23:51

Instrument :

BNA_G

ClientSampled :

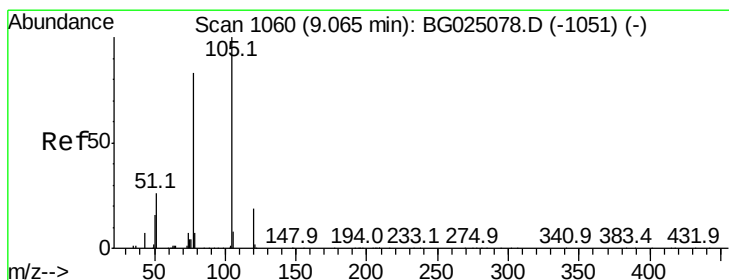
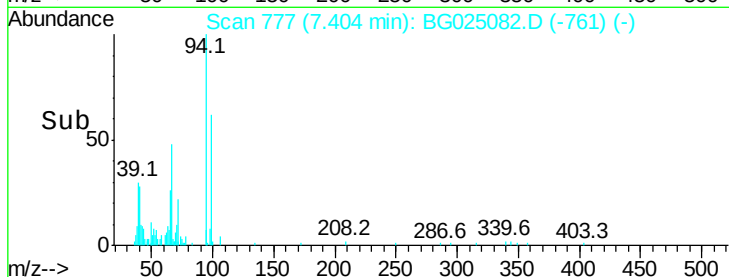
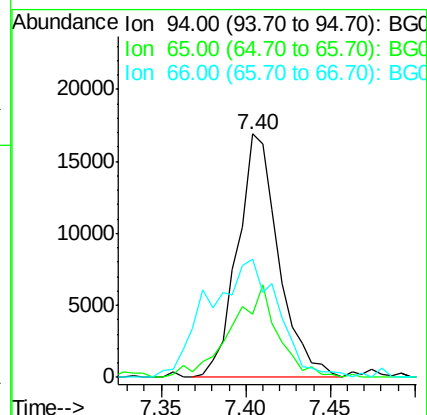
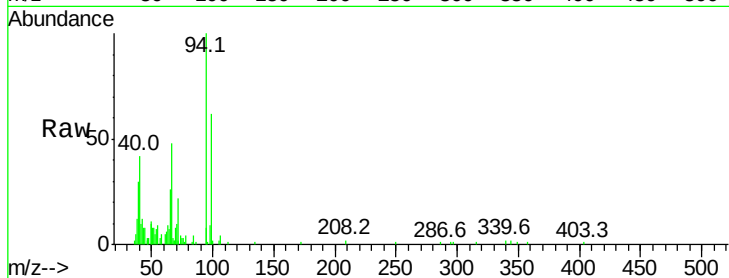
Tot Ion: 94 Resp: 28636

Ion Ratio Lower Upper

94 100

65 26.2 26.8 40.2#

66 48.4 44.4 66.6



#14

Acetophenone

Concen: 1.30 ng/ul

RT: 9.07 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BG025082.D

Acq: 10 Dec 2016 23:51

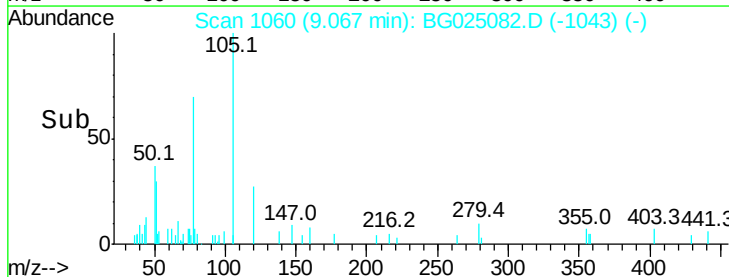
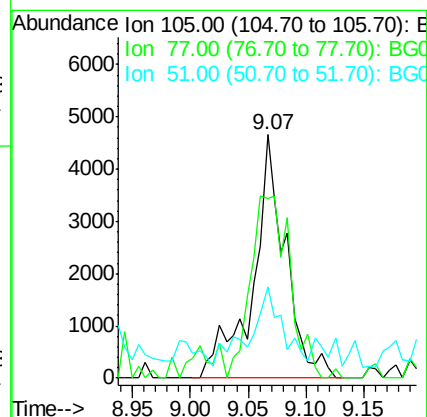
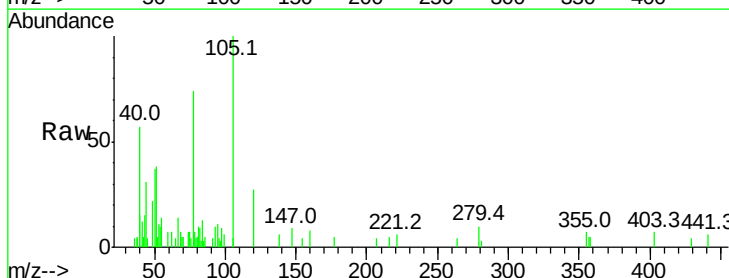
Tgt Ion:105 Resp: 9158

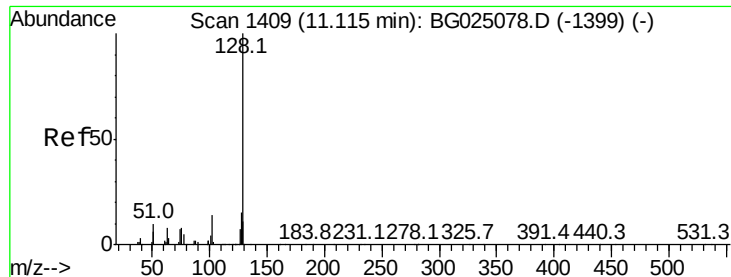
Ion Ratio Lower Upper

105 100

77 74.0 76.0 114.0#

51 37.7 34.8 52.2

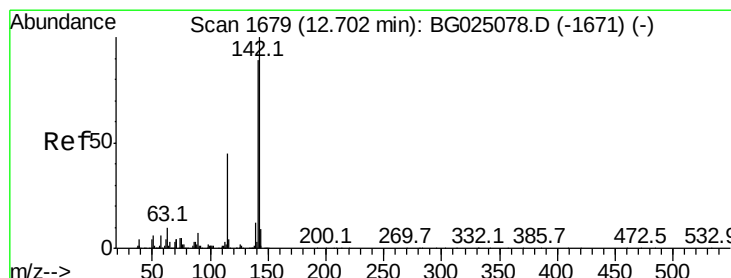
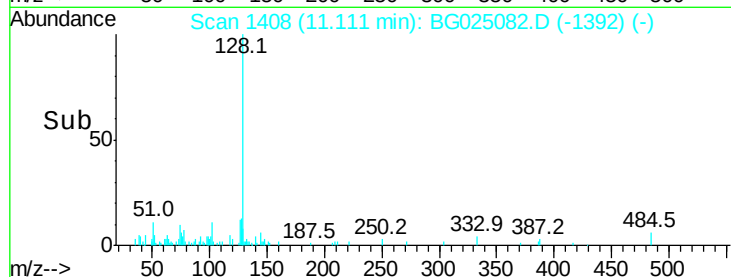
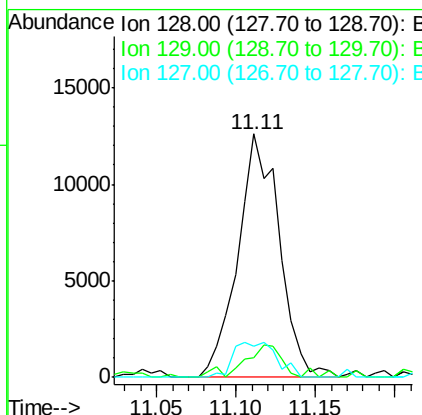
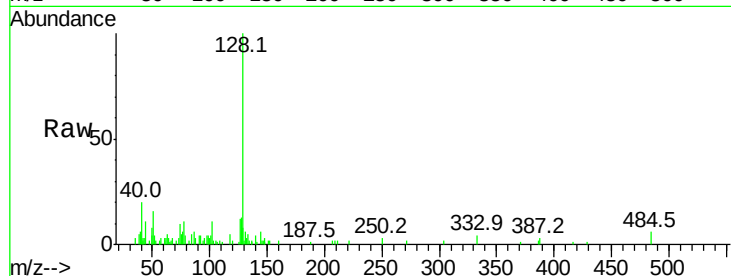




#28
Naphthalene
Concen: 1.56 ng/ul
RT: 11.11 min Scan# 1408
Delta R.T. -0.00 min
Lab File: BG025082.D
Acq: 10 Dec 2016 23:51

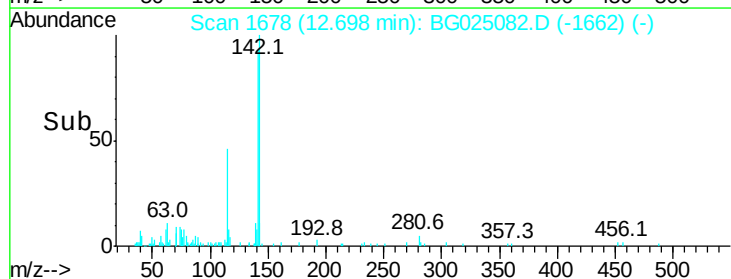
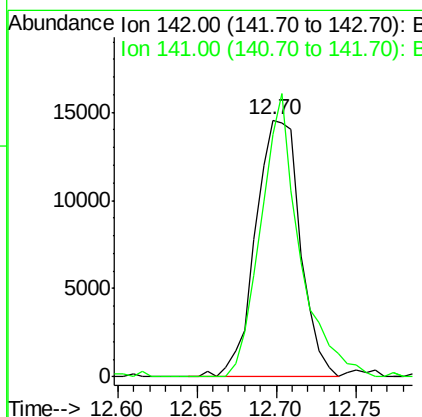
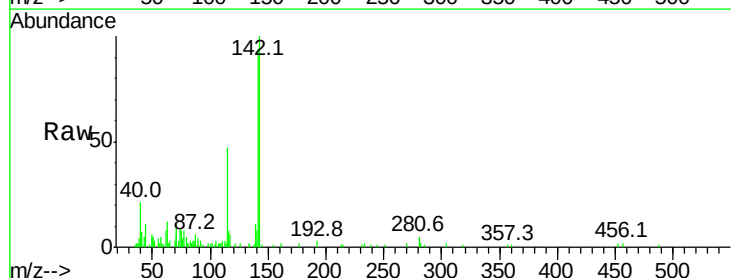
Instrument :
BNA_G
ClientSampleId :

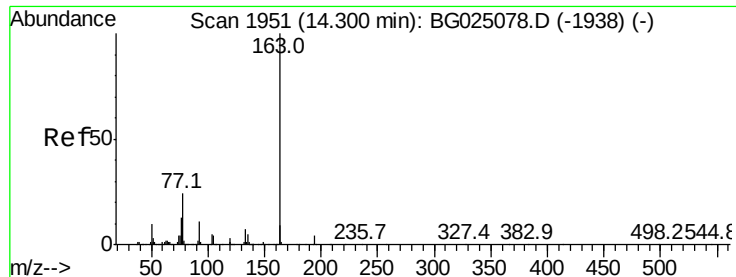
Tot Ion:128 Resp: 22864
Ion Ratio Lower Upper
128 100
129 8.1 9.4 14.2#
127 12.8 10.3 15.5



#34
2-Methylnaphthalene
Concen: 2.46 ng/ul
RT: 12.70 min Scan# 1678
Delta R.T. -0.00 min
Lab File: BG025082.D
Acq: 10 Dec 2016 23:51

Tgt Ion:142 Resp: 28361
Ion Ratio Lower Upper
142 100
141 94.5 68.6 102.8





#44

Dimethylphthalate

Concen: 11.25 ng/ul

RT: 14.30 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BG025082.D

Acq: 10 Dec 2016 23:51

Instrument :

BNA_G

ClientSampleId :

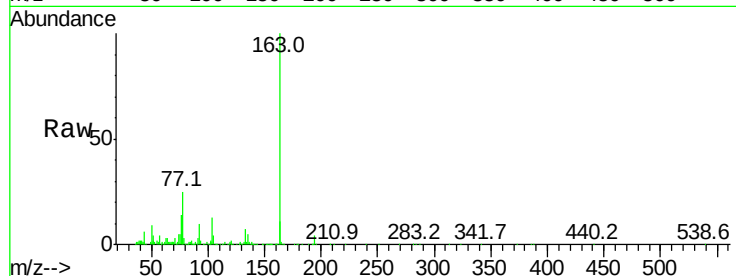
Tot Ion:163 Resp: 204255

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

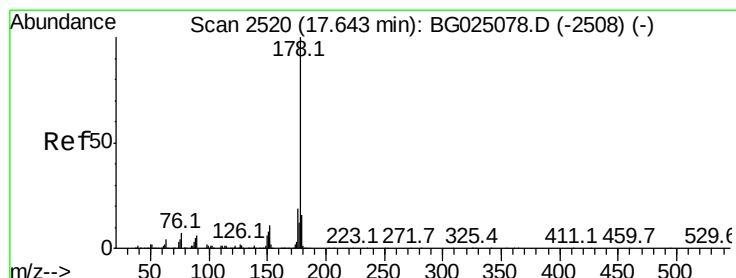
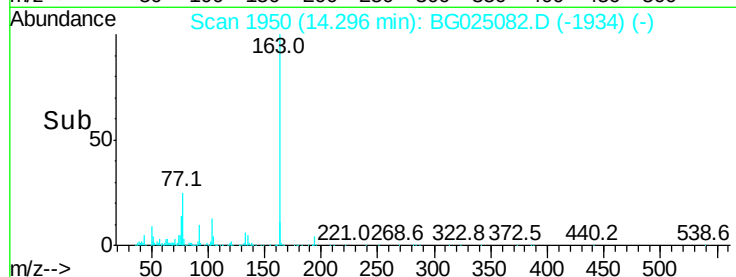
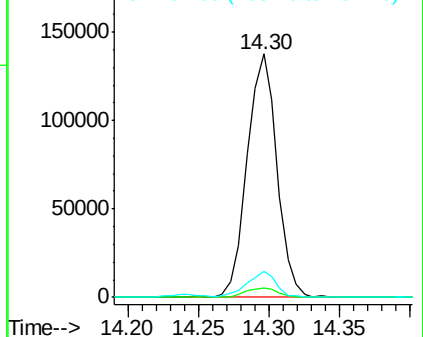
164 10.9 9.0 13.4



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



#69

Phenanthrene

Concen: 2.31 ng/ul

RT: 17.64 min Scan# 2520

Delta R.T. 0.00 min

Lab File: BG025082.D

Acq: 10 Dec 2016 23:51

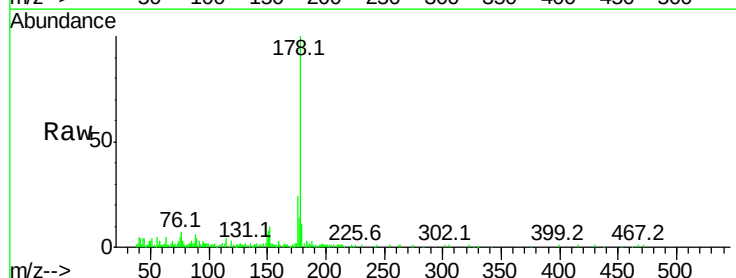
Tgt Ion:178 Resp: 67678

Ion Ratio Lower Upper

178 100

179 11.4 12.4 18.6#

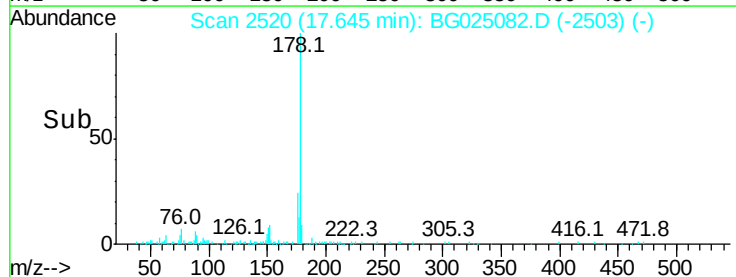
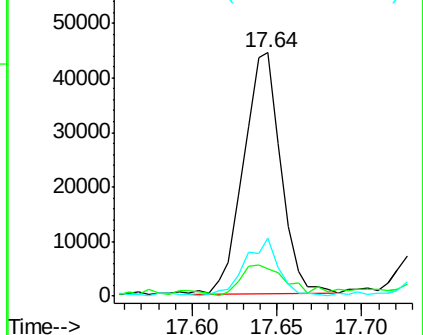
176 23.8 16.5 24.7

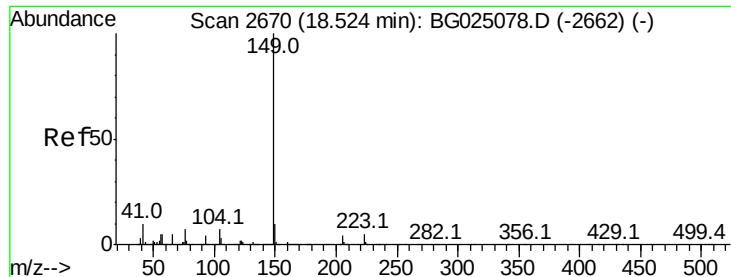


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#73

Di-n-butylphthalate

Concen: 8.58 ng/ul

RT: 18.53 min Scan# 2670

Delta R.T. 0.00 min

Lab File: BG025082.D

Acq: 10 Dec 2016 23:51

Instrument :

BNA_G

ClientSampleId :

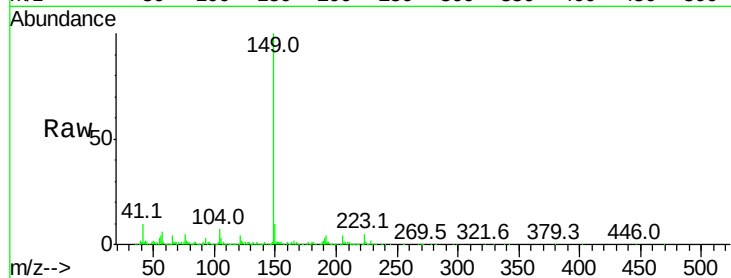
Tot Ion:149 Resp: 271644

Ion Ratio Lower Upper

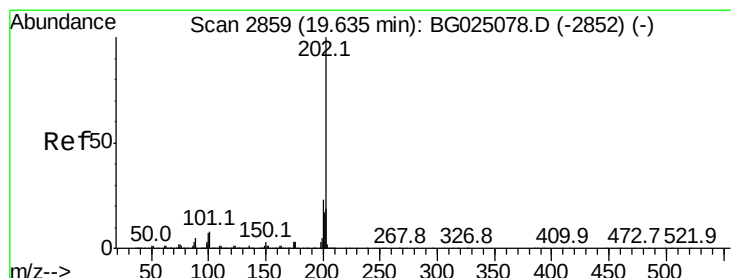
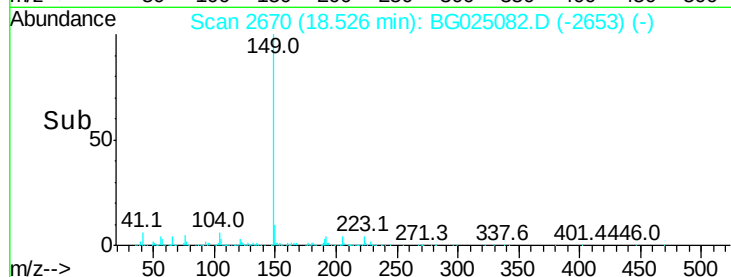
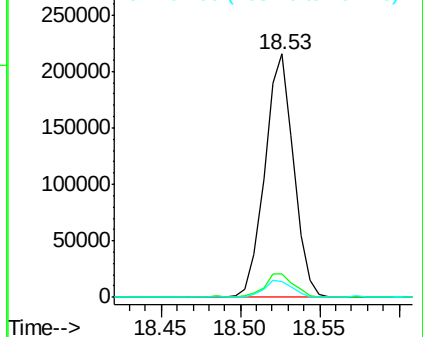
149 100

150 9.8 7.9 11.9

104 6.6 5.8 8.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 3.86 ng/ul

RT: 19.64 min Scan# 2859

Delta R.T. 0.00 min

Lab File: BG025082.D

Acq: 10 Dec 2016 23:51

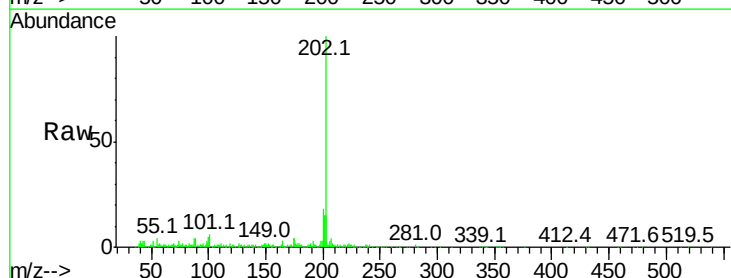
Tgt Ion:202 Resp: 134286

Ion Ratio Lower Upper

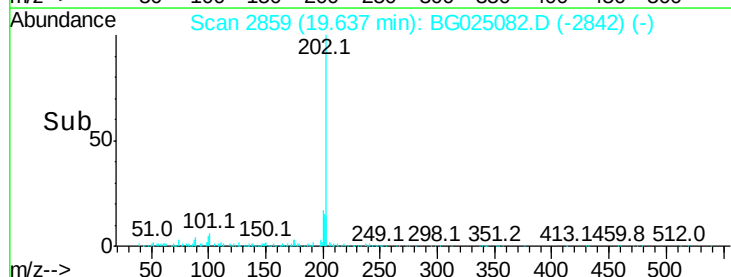
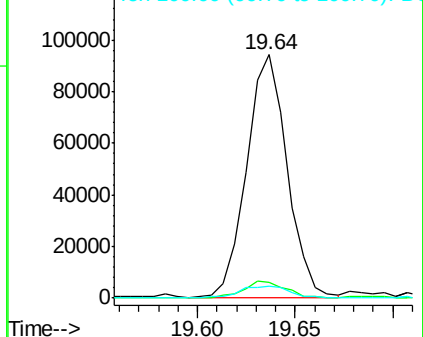
202 100

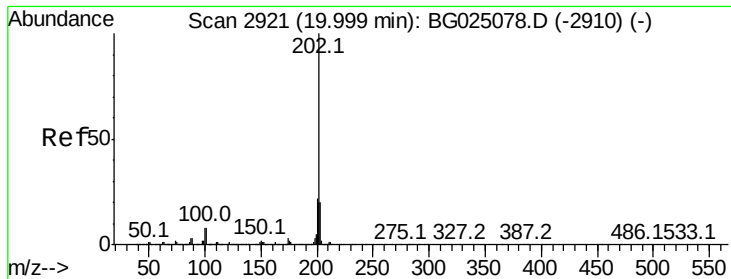
101 6.4 6.2 9.2

100 4.7 5.2 7.8#



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): E





#77

Pvrene

Concen: 4.22 ng/ul

RT: 20.00 min Scan# 2920

Delta R.T. -0.00 min

Lab File: BG025082.D

Acq: 10 Dec 2016 23:51

Instrument :

BNA_G

ClientSampleId :

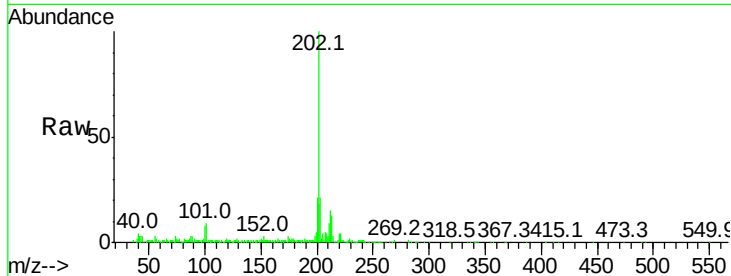
Tot Ion:202 Resp: 152798

Ion Ratio Lower Upper

202 100

101 9.5 6.9 10.3

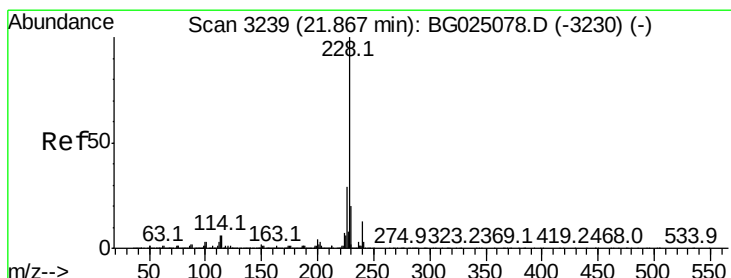
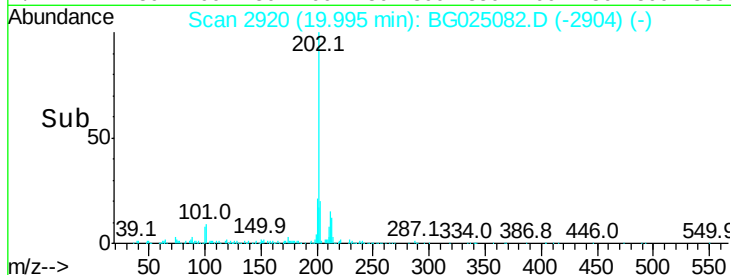
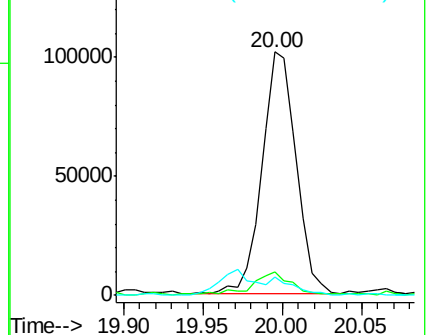
100 7.7 6.6 10.0



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): E



#80

Benzo(a)anthracene

Concen: 4.05 ng/ul

RT: 21.87 min Scan# 3239

Delta R.T. 0.00 min

Lab File: BG025082.D

Acq: 10 Dec 2016 23:51

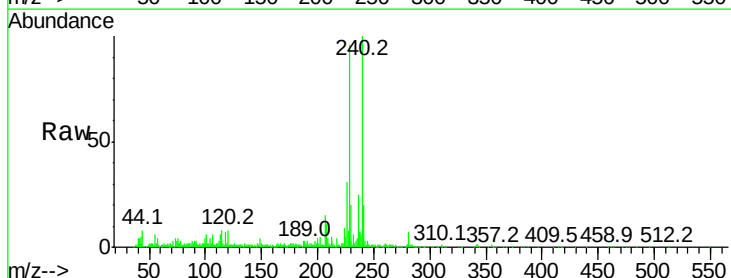
Tgt Ion:228 Resp: 158467

Ion Ratio Lower Upper

228 100

229 20.5 16.3 24.5

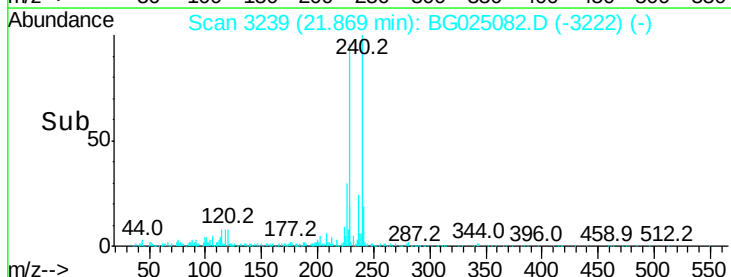
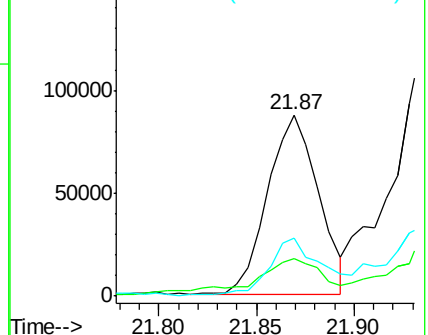
226 31.8 21.9 32.9

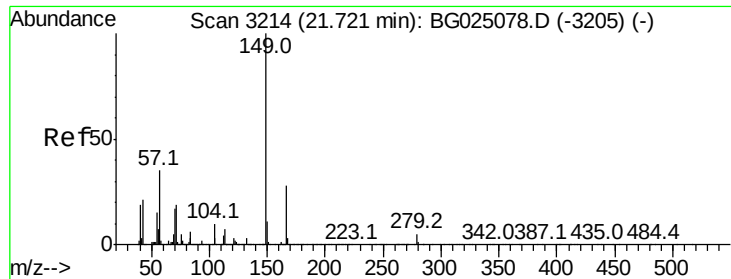


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 203.90 ng/ul

RT: 21.73 min Scan# 3215

Delta R.T. 0.01 min

Lab File: BG025082.D

Acq: 10 Dec 2016 23:51

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BNA_G

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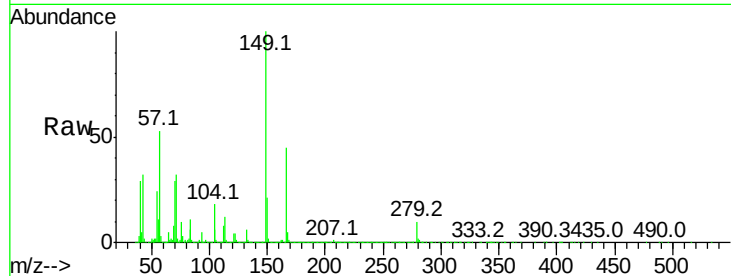
Tot Ion:149 Resp: 3978120

Ion Ratio Lower Upper

149 100

167 44.6 21.8 32.8#

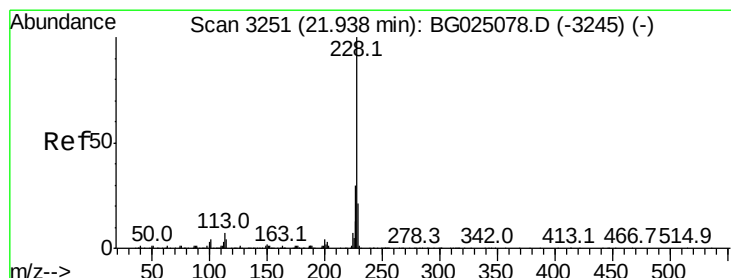
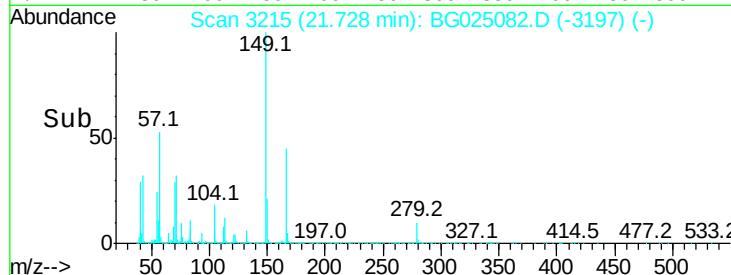
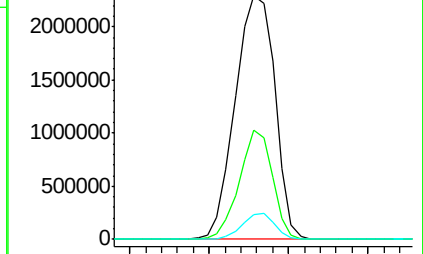
279 10.3 4.5 6.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 7.08 ng/ul

RT: 21.94 min Scan# 3251

Delta R.T. 0.00 min

Lab File: BG025082.D

Acq: 10 Dec 2016 23:51

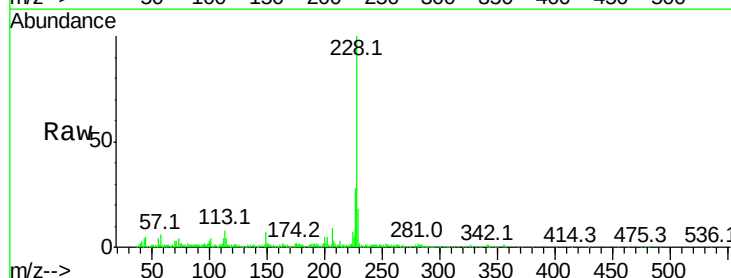
Tgt Ion:228 Resp: 259056

Ion Ratio Lower Upper

228 100

226 27.9 24.0 36.0

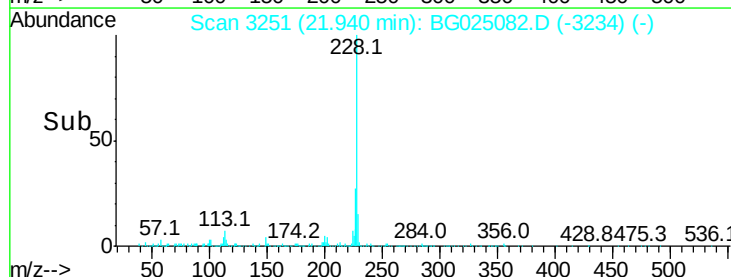
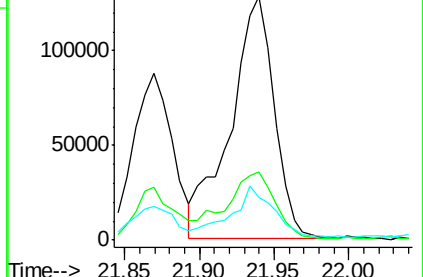
229 17.6 16.9 25.3

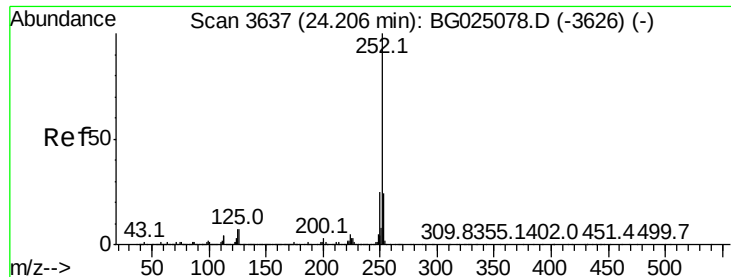


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 11.61 ng/ul

RT: 24.21 min Scan# 3637

Delta R.T. 0.00 min

Lab File: BG025082.D

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Instrument :

BNA_G

ClientSampleId :

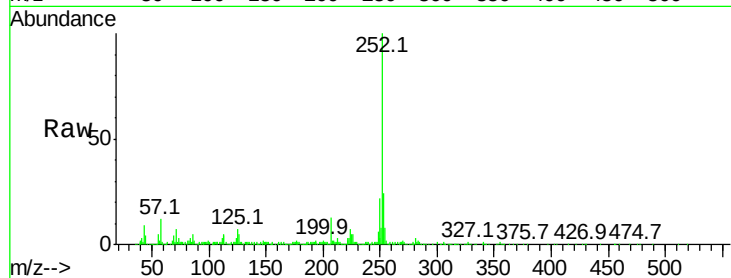
Tot Ion:252 Resp: 444077

Ion Ratio Lower Upper

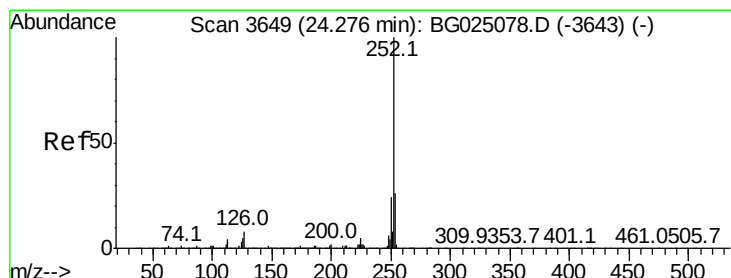
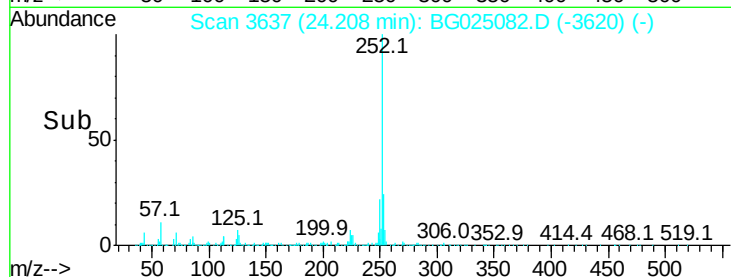
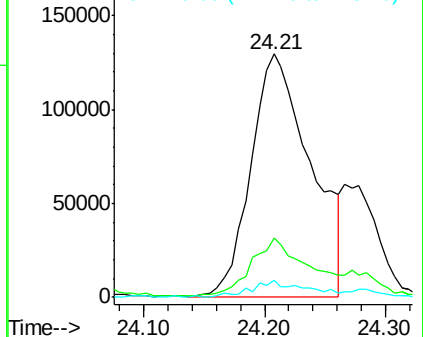
252 100

253 24.2 17.7 26.5

125 6.8 4.0 6.0#



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



#86

Benzo(k)fluoranthene

Concen: 6.60 ng/ul

RT: 24.21 min Scan# 3637

Delta R.T. -0.07 min

Lab File: BG025082.D

Acq: 10 Dec 2016 23:51

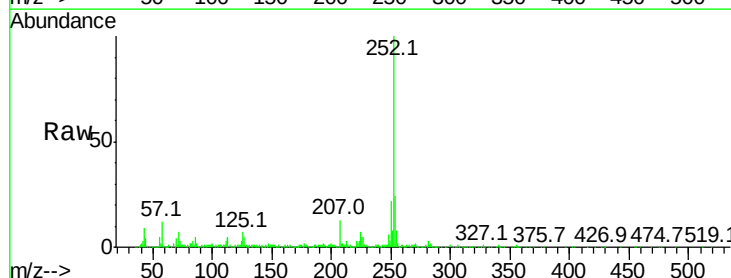
Tgt Ion:252 Resp: 239957

Ion Ratio Lower Upper

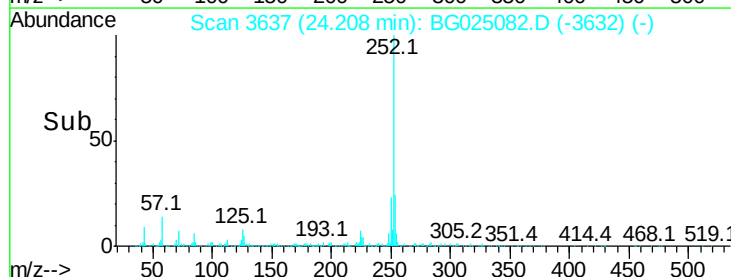
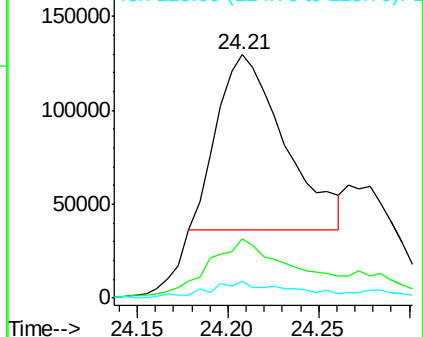
252 100

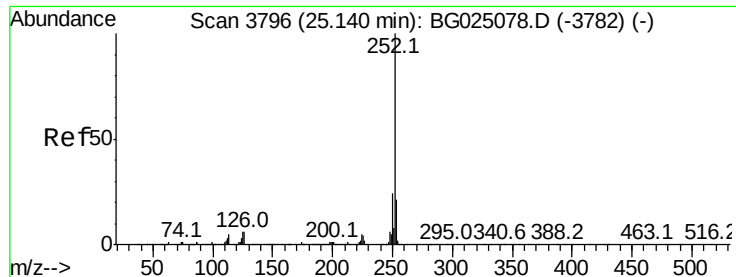
253 24.2 18.5 27.7

125 6.8 4.1 6.1#



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





#88

Benzo(a)pyrene

Concen: 6.23 ng/ul

RT: 25.14 min Scan# 3795

Delta R.T. -0.00 min

Lab File: BG025082.D

Acq: 10 Dec 2016 23:51

Instrument :

BNA_G

ClientSampleId :

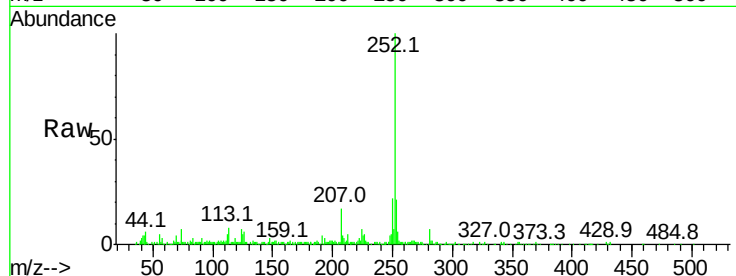
Tot Ion:252 Resp: 229193

Ion Ratio Lower Upper

252 100

253 20.7 17.8 26.6

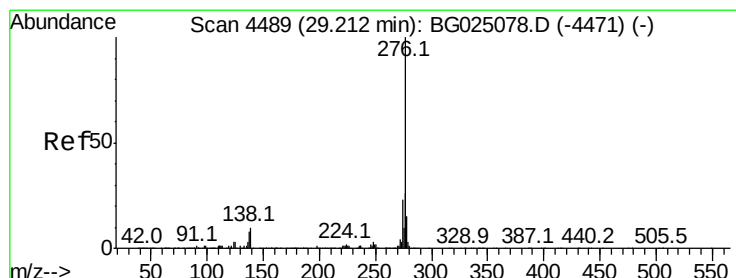
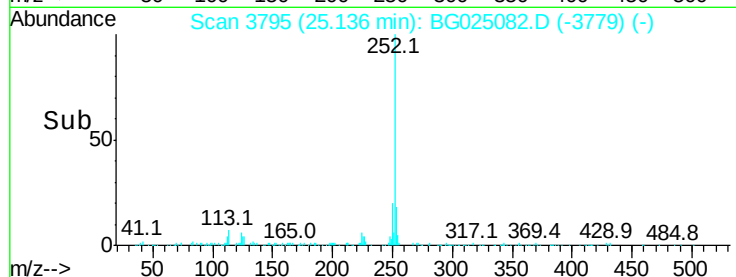
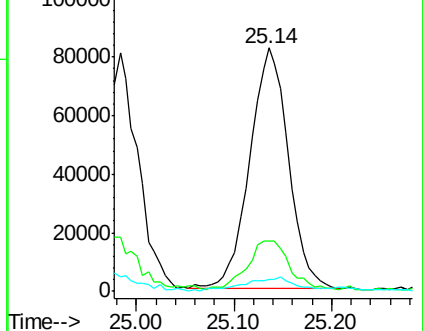
125 4.9 5.4 8.0#



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

Indeno(1,2,3-cd)pyrene

Concen: 4.88 ng/ul

RT: 29.20 min Scan# 4486

Delta R.T. -0.02 min

Lab File: BG025082.D

Acq: 10 Dec 2016 23:51

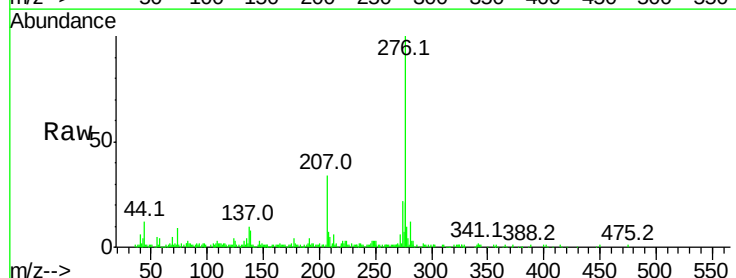
Tgt Ion:276 Resp: 223255

Ion Ratio Lower Upper

276 100

138 7.7 8.2 12.4#

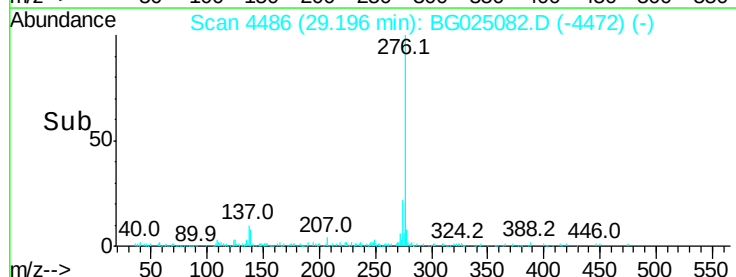
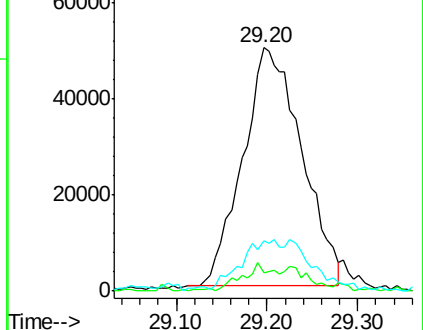
277 20.7 18.6 28.0

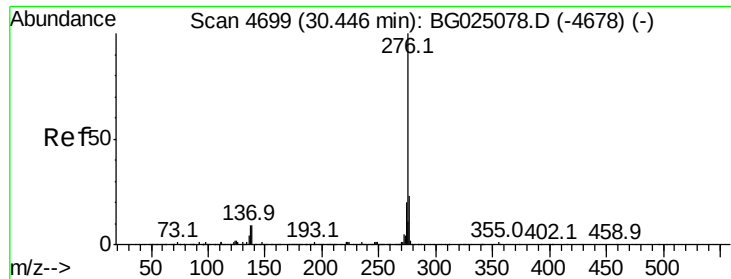


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 4.91 ng/ul
 RT: 30.45 min Scan# 4699
 Delta R.T. 0.00 min
 Lab File: BG025082.D
 Acq: 10 Dec 2016 23:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	8.0	8.6	12.8#
277	23.5	17.6	26.4

