

Data File : BG030749.D
Acq On : 5 Nov 2017 21:52
Operator : SJ/JU
Sample : I6107-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B0E74

Quant Time: Nov 06 01:27:02 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 01:27:00 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	65955	20.00	ng/ul	0.00
18) Naphthalene-d8	10.96	136	292501	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	195859	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.50	188	498236	20.00	ng/ul	0.00
75) Chrysene-d12	21.78	240	572436	20.00	ng/ul	0.00
83) Perylene-d12	25.08	264	593388	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.54	96	7538	4.65	ng/uL	0.00
5) Phenol-d5	7.31	99	137696	21.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	82637	20.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	115862	25.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	106480	20.83	ng/ul	0.00
19) Nitrobenzene-d5	9.31	128	53205	25.34	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	64118	29.80	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	120351	24.55	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	112661	19.78	ng/ul	0.00
43) Dimethylphthalate-d6	14.16	166	414116	24.73	ng/ul	0.00
46) Acenaphthylene-d8	14.47	160	516557	25.37	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	67484	21.83	ng/ul	0.00
57) Fluorene-d10	15.75	176	395020	28.80	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.87	200	72499	29.81	ng/ul	0.00
70) Anthracene-d10	17.60	188	653114	27.72	ng/ul	0.00
76) Pyrene-d10	19.88	212	811730	27.39	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.85	264	814857	28.99	ng/ul	0.00

Target Compounds				Qvalue		
6) Phenol	7.33	94	23682	3.62	ng/ul	94
44) Dimethylphthalate	14.21	163	348000	21.31	ng/ul	99
45) 2,6-Dinitrotoluene	14.21	165	4139	1.45	ng/ul#	46
69) Phenanthrene	17.54	178	228863	8.50	ng/ul	98
71) Anthracene	17.64	178	43744	1.57	ng/ul	94
72) Carbazole	17.90	167	30349	1.21	ng/ul#	93
74) Fluoranthene	19.55	202	481237	15.99	ng/ul	99
77) Pyrene	19.91	202	423765	11.05	ng/ul	99
80) Benzo(a)anthracene	21.76	228	238295	6.64	ng/ul	99
82) Chrysene	21.82	228	247203	7.58	ng/ul	97
85) Benzo(b)fluoranthene	24.03	252	331556	9.31	ng/ul	97
86) Benzo(k)fluoranthene	24.03	252	331556	9.63	ng/ul	97
88) Benzo(a)pyrene	24.92	252	223471	6.44	ng/ul	95
89) Indeno(1,2,3-cd)pyrene	28.85	276	168657	4.30	ng/ul	99
90) Dibenzo(a,h)anthracene	28.89	278	45461	1.39	ng/ul#	89
91) Benzo(g,h,i)perylene	30.02	276	147664	4.54	ng/ul	97

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

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BNA_G

ClientSampleId :

B0E74

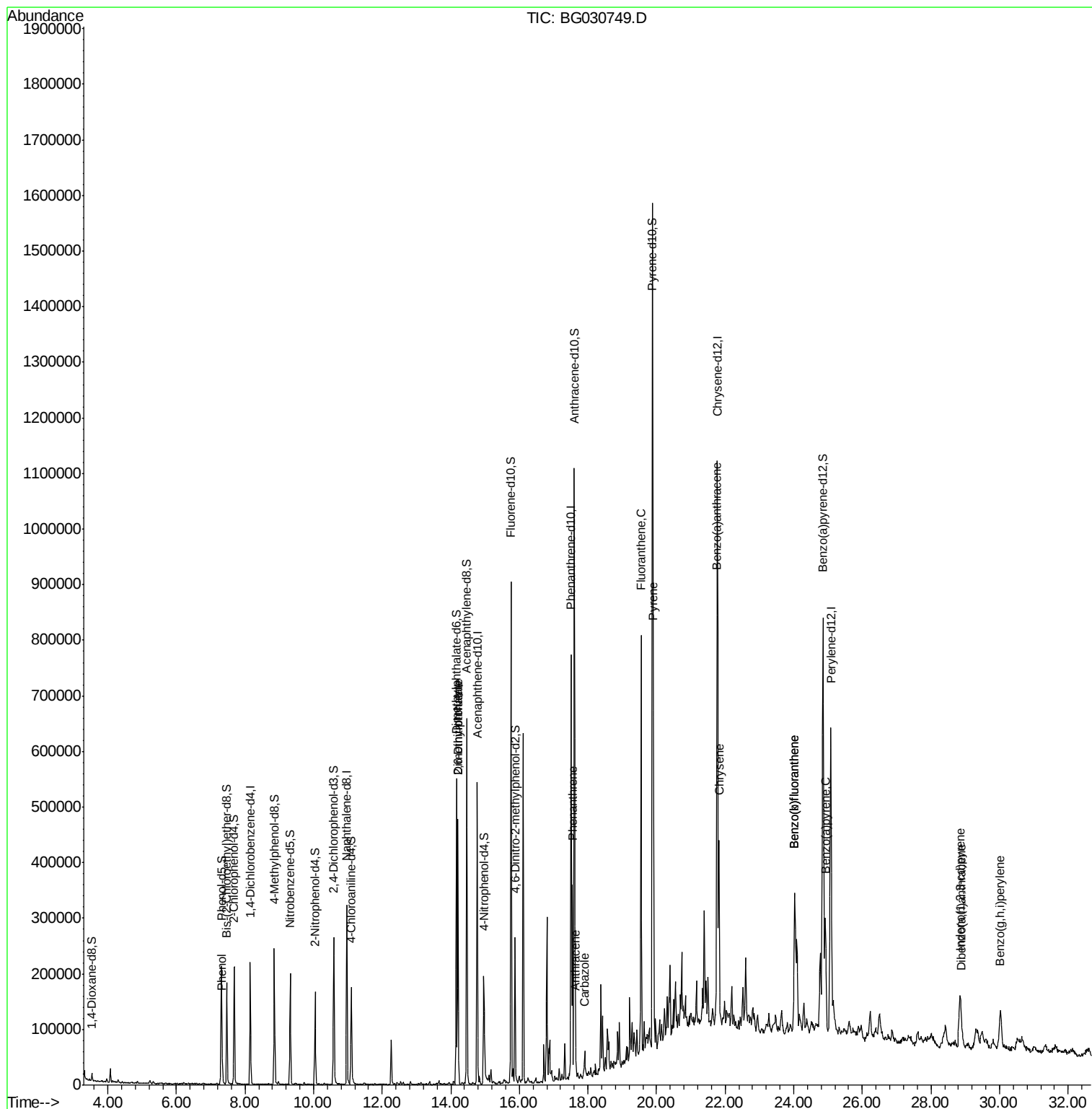
Quant Time: Nov 06 01:27:02 2017

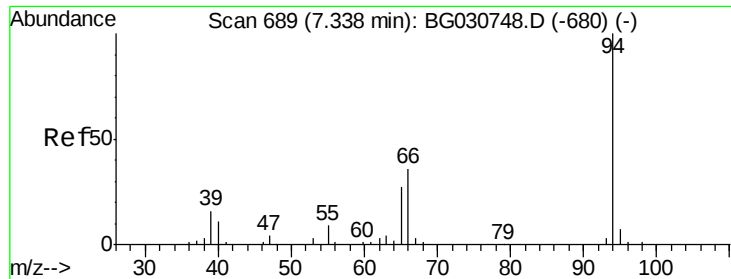
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Nov 06 01:27:00 2017

Response via : Initial Calibration





#6

Phenol

Concen: 3.62 ng/ul

RT: 7.33 min Scan# 688

Delta R.T. -0.00 min

Lab File: BG030749.D

Acq: 5 Nov 2017 21:52

Instrument :

BNA_G

ClientSampleId :

B0E74

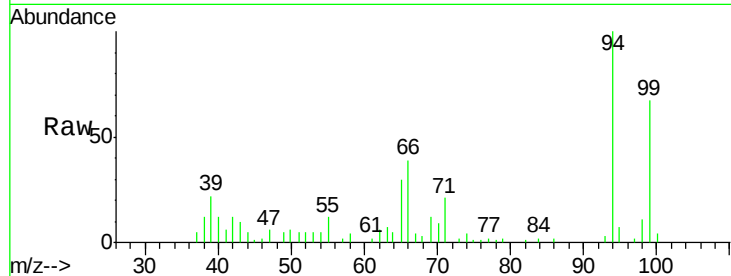
Tgt Ion: 94 Resp: 23682

Ion Ratio Lower Upper

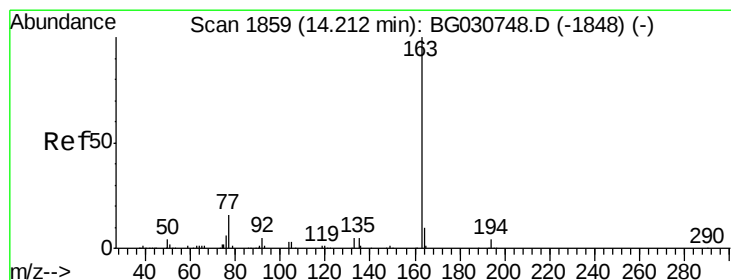
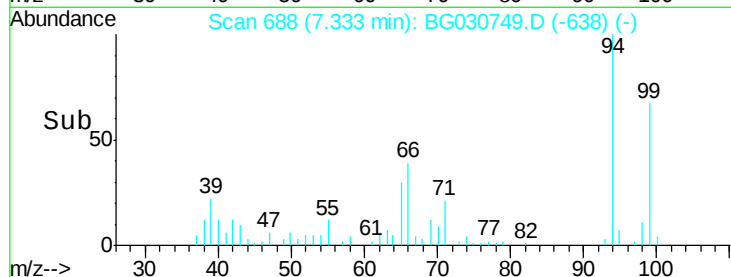
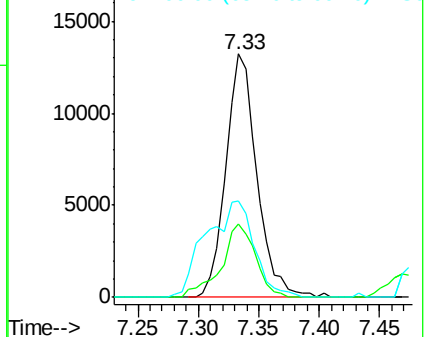
94 100

65 29.9 27.1 40.7

66 39.4 34.6 52.0



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#44

Dimethylphthalate

Concen: 21.31 ng/ul

RT: 14.21 min Scan# 1858

Delta R.T. -0.00 min

Lab File: BG030749.D

Acq: 5 Nov 2017 21:52

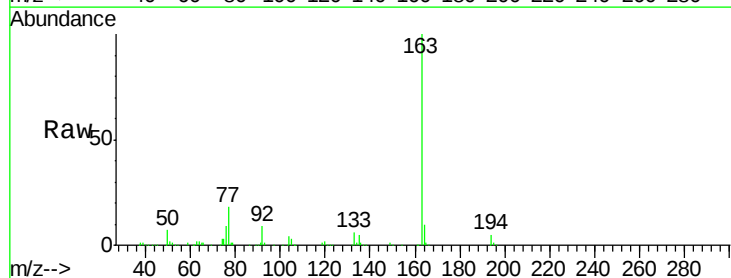
Tgt Ion:163 Resp: 348000

Ion Ratio Lower Upper

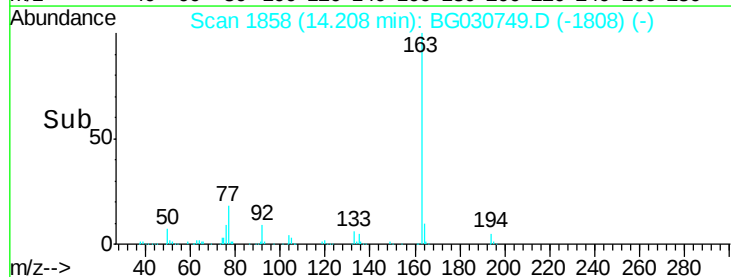
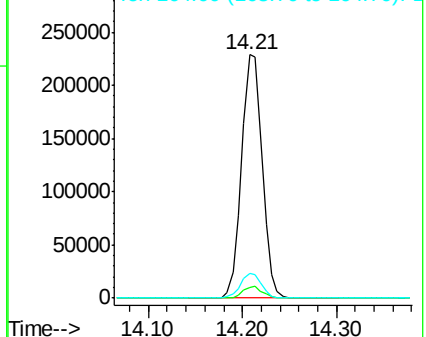
163 100

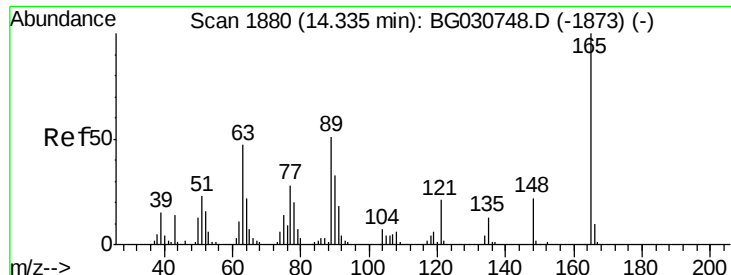
194 4.5 3.5 5.3

164 10.2 7.6 11.4



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

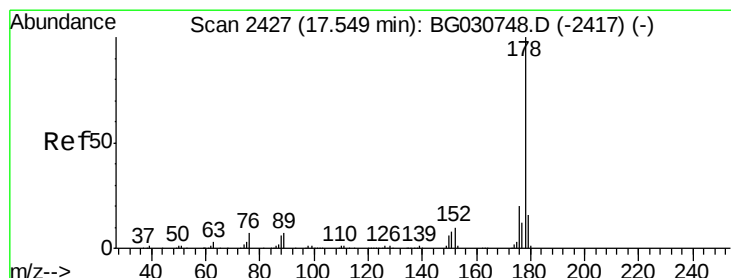
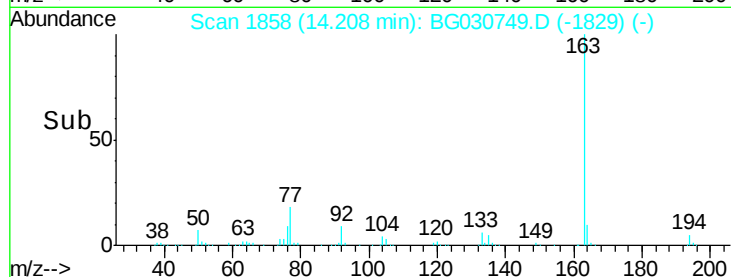
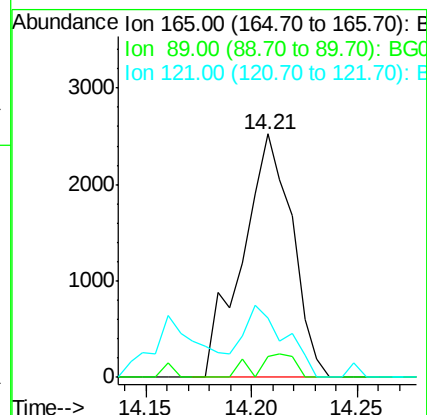
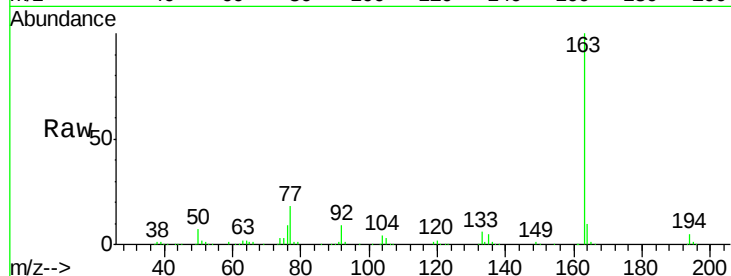




#45
 2,6-Dinitrotoluene
 Concen: 1.45 ng/ul
 RT: 14.21 min Scan# 1858
 Delta R.T. -0.13 min
 Lab File: BG030749.D
 Acq: 5 Nov 2017 21:52

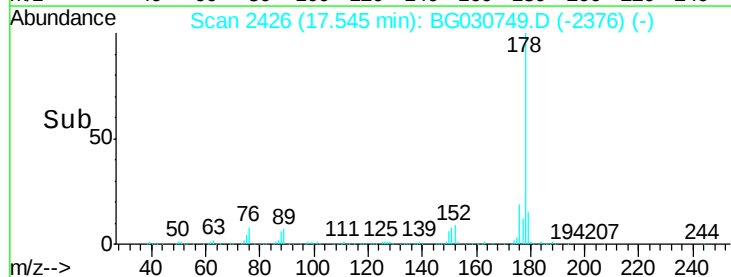
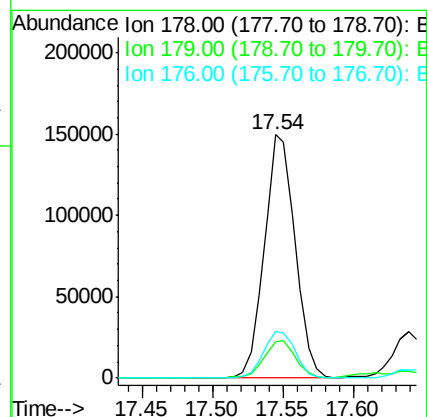
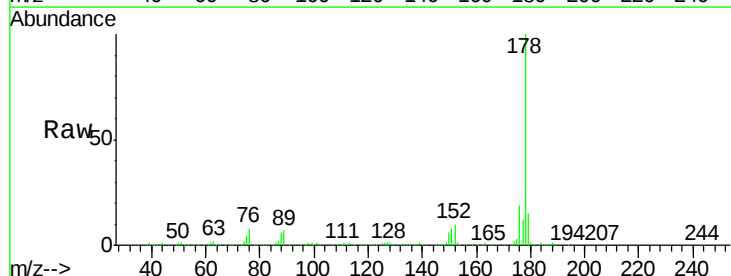
Instrument :
 BNA_G
 ClientSampleId :
 B0E74

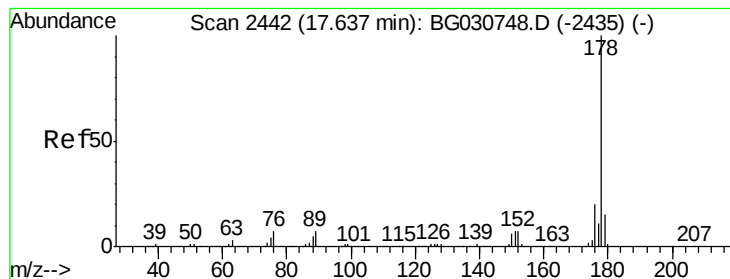
Tgt Ion:165 Resp: 4139
 Ion Ratio Lower Upper
 165 100
 89 8.8 51.1 76.7#
 121 24.2 17.2 25.8



#69
 Phenanthrene
 Concen: 8.50 ng/ul
 RT: 17.54 min Scan# 2426
 Delta R.T. -0.00 min
 Lab File: BG030749.D
 Acq: 5 Nov 2017 21:52

Tgt Ion:178 Resp: 228863
 Ion Ratio Lower Upper
 178 100
 179 14.7 13.0 19.6
 176 19.2 15.3 22.9





#71

Anthracene

Concen: 1.57 ng/ul

RT: 17.64 min Scan# 2442

Delta R.T. 0.00 min

Lab File: BG030749.D

Acq: 5 Nov 2017 21:52

Instrument :

BNA_G

ClientSampleId :

B0E74

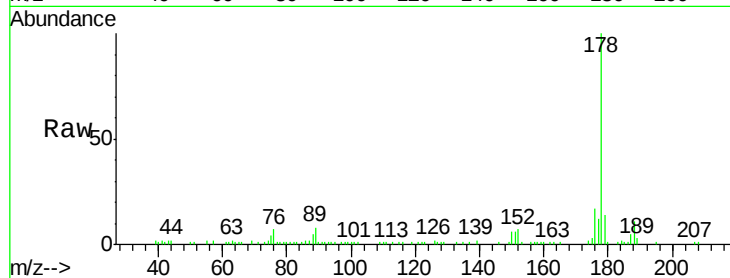
Tgt Ion:178 Resp: 43744

Ion Ratio Lower Upper

178 100

179 14.4 13.2 19.8

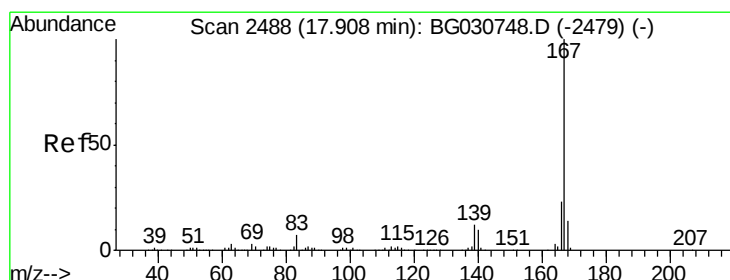
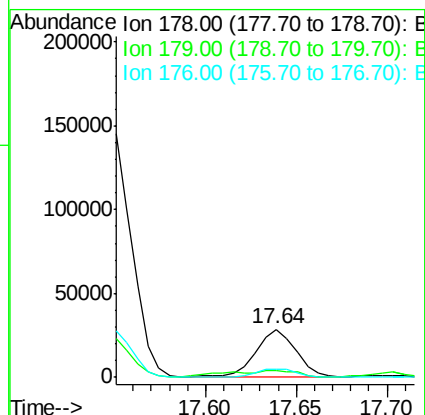
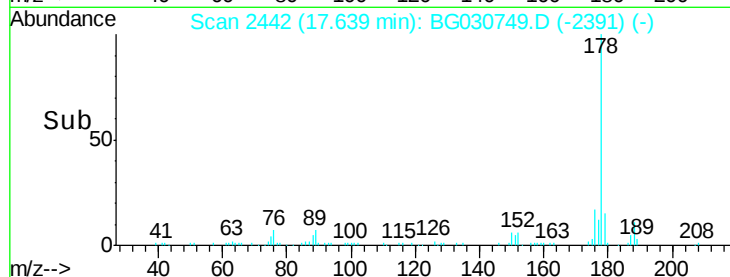
176 17.1 16.0 24.0



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

Carbazole

Concen: 1.21 ng/ul

RT: 17.90 min Scan# 2487

Delta R.T. -0.00 min

Lab File: BG030749.D

Acq: 5 Nov 2017 21:52

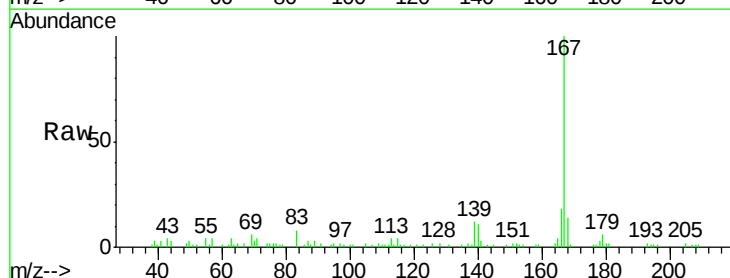
Tgt Ion:167 Resp: 30349

Ion Ratio Lower Upper

167 100

166 18.2 18.6 28.0#

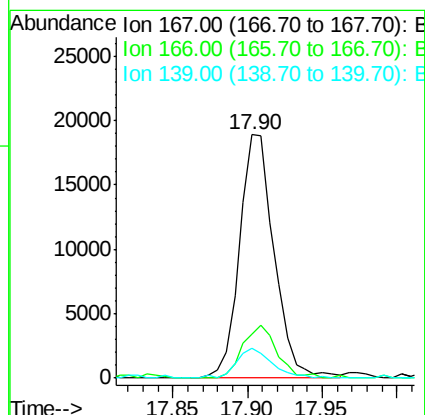
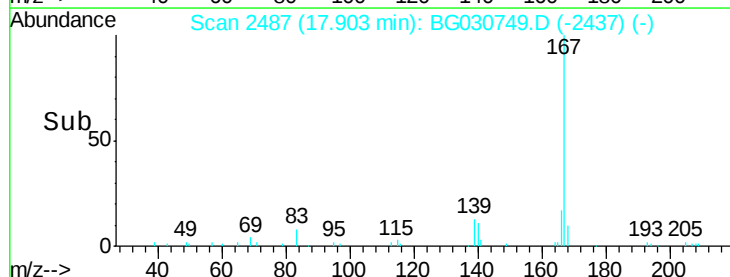
139 12.5 10.6 16.0

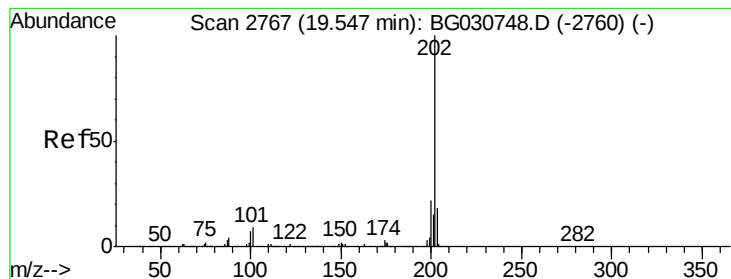


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 15.99 ng/ul

RT: 19.55 min Scan# 2767

Delta R.T. 0.00 min

Lab File: BG030749.D

Acq: 5 Nov 2017 21:52

Instrument :

BNA_G

ClientSampleId :

B0E74

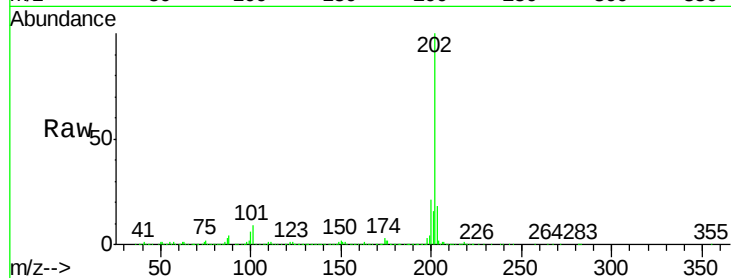
Tgt Ion:202 Resp: 481237

Ion Ratio Lower Upper

202 100

101 9.2 7.4 11.2

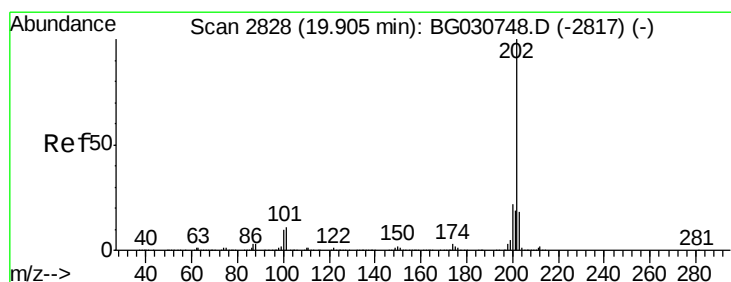
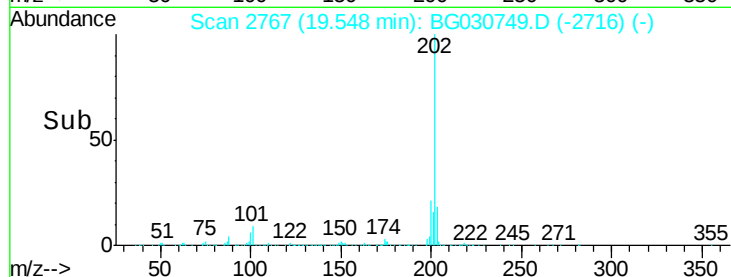
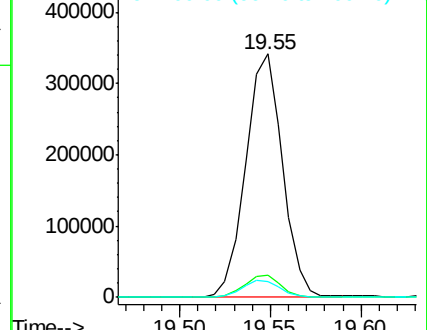
100 6.3 5.6 8.4



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



#77

Pyrene

Concen: 11.05 ng/ul

RT: 19.91 min Scan# 2828

Delta R.T. 0.00 min

Lab File: BG030749.D

Acq: 5 Nov 2017 21:52

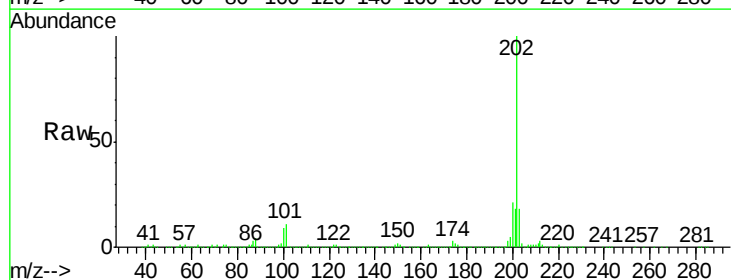
Tgt Ion:202 Resp: 423765

Ion Ratio Lower Upper

202 100

101 11.1 8.4 12.6

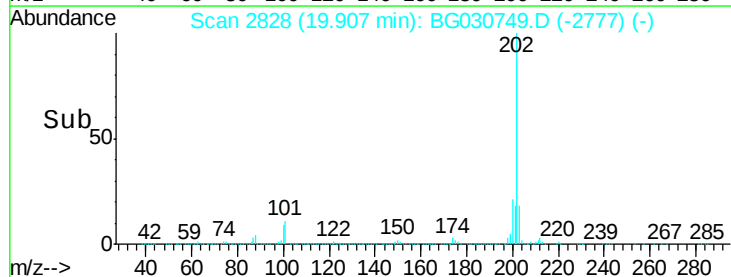
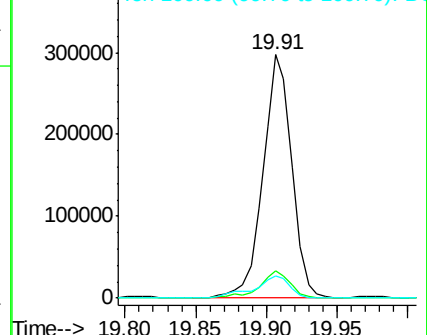
100 9.0 7.0 10.6

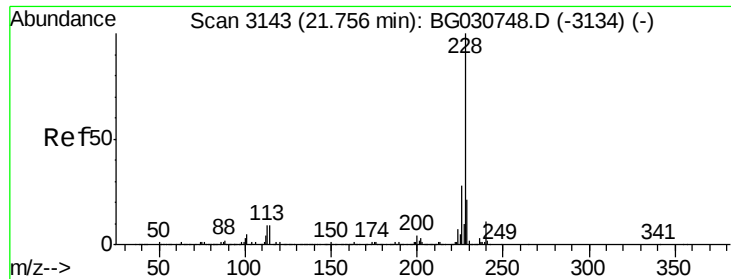


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

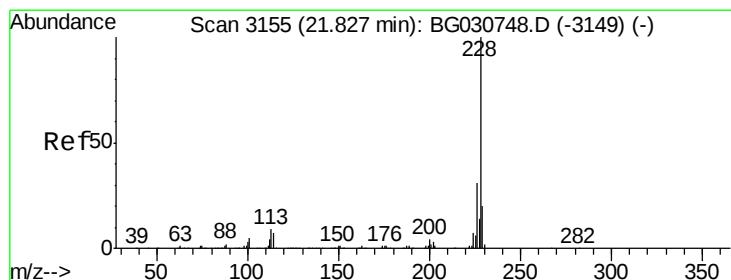
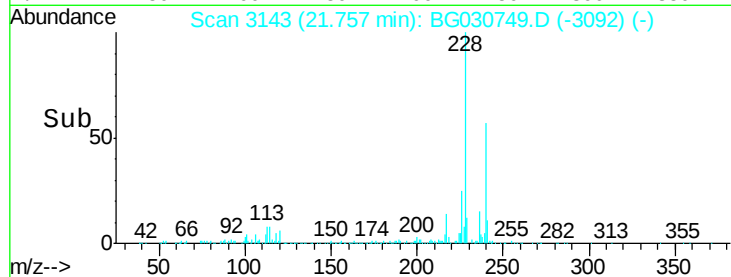
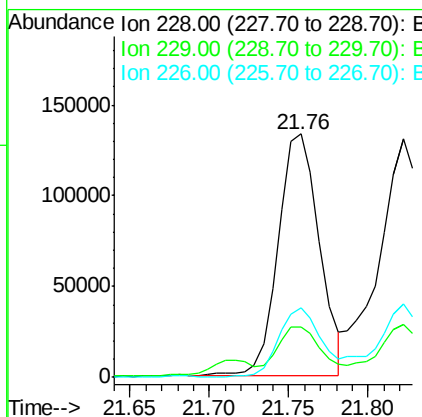
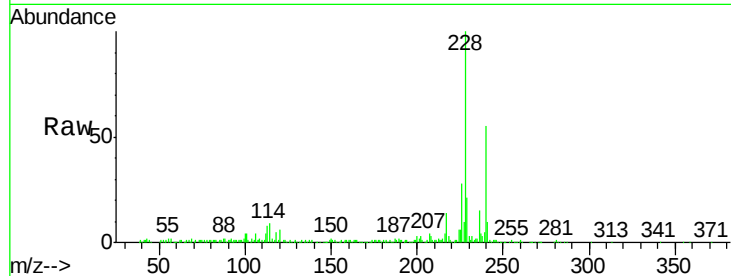




#80
Benzo(a)anthracene
Concen: 6.64 ng/ul
RT: 21.76 min Scan# 3143
Delta R.T. 0.00 min
Lab File: BG030749.D
Acq: 5 Nov 2017 21:52

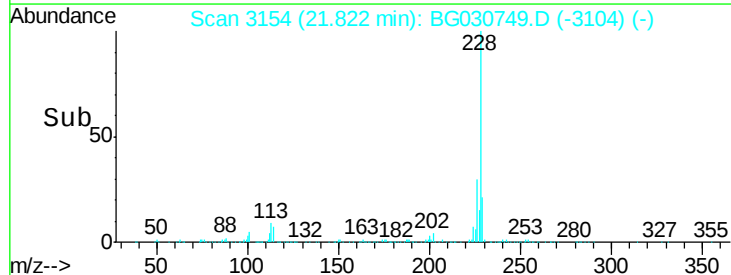
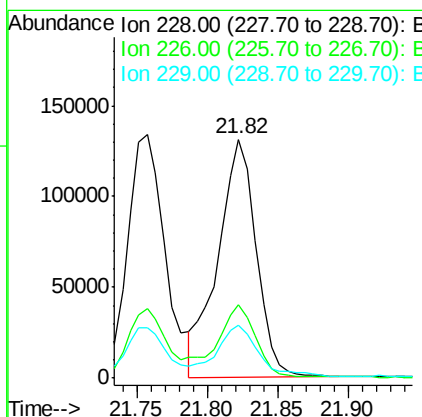
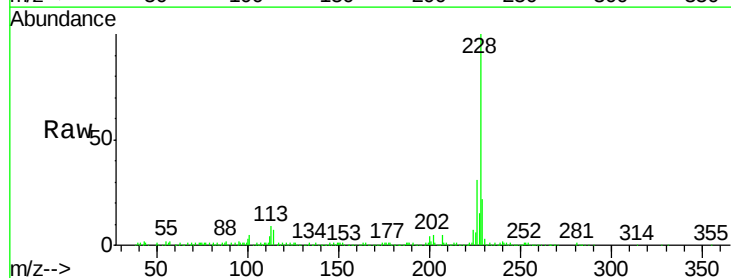
Instrument :
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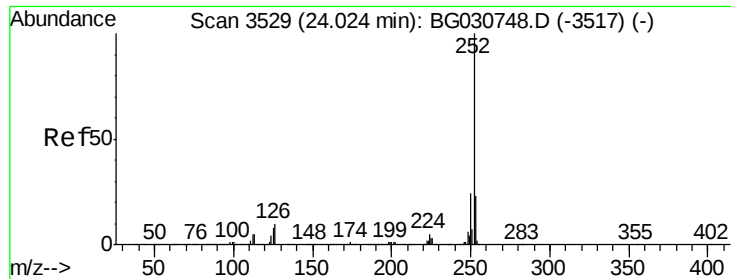
Tgt Ion:228 Resp: 238295
Ion Ratio Lower Upper
228 100
229 20.6 16.2 24.4
226 28.4 22.2 33.2



#82
Chrysene
Concen: 7.58 ng/ul
RT: 21.82 min Scan# 3154
Delta R.T. -0.00 min
Lab File: BG030749.D
Acq: 5 Nov 2017 21:52

Tgt Ion:228 Resp: 247203
Ion Ratio Lower Upper
228 100
226 30.6 24.2 36.2
229 22.0 15.2 22.8





#85

Benzo(b)fluoranthene

Concen: 9.31 ng/ul

RT: 24.03 min Scan# 3529

Delta R.T. 0.00 min

Lab File: BG030749.D

Acq: 5 Nov 2017 21:52

Instrument :

BNA_G

ClientSampleId :

B0E74

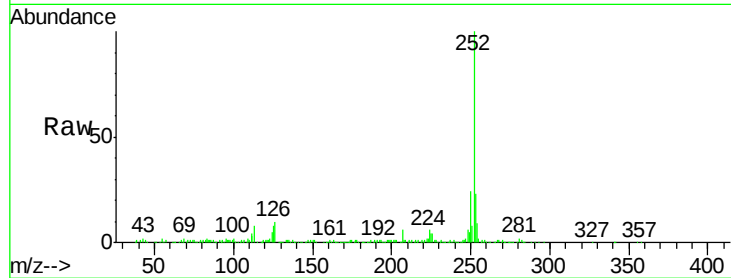
Tgt Ion:252 Resp: 331556

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.4

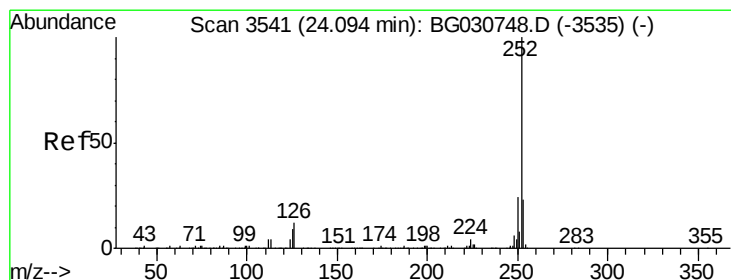
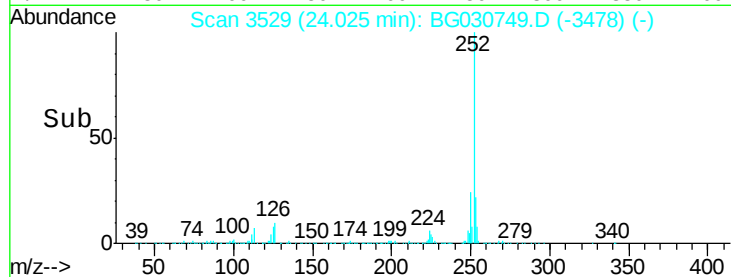
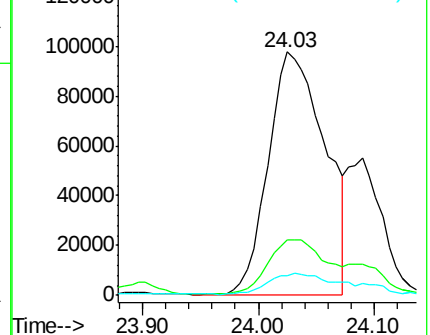
125 8.0 7.5 11.3



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: 9.63 ng/ul

RT: 24.03 min Scan# 3529

Delta R.T. -0.07 min

Lab File: BG030749.D

Acq: 5 Nov 2017 21:52

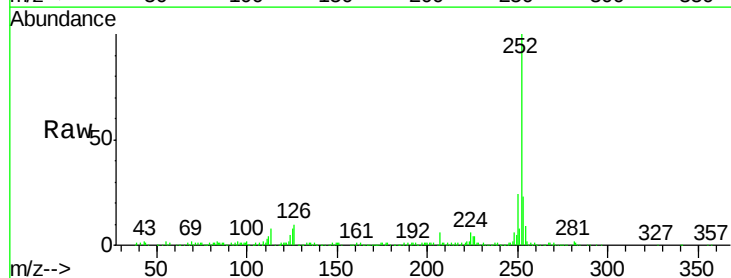
Tgt Ion:252 Resp: 331556

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

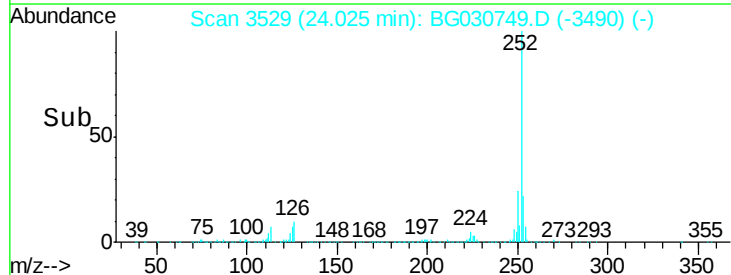
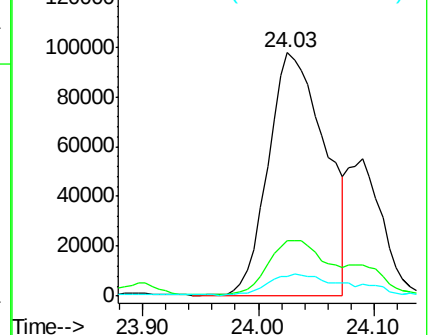
125 8.0 7.8 11.8

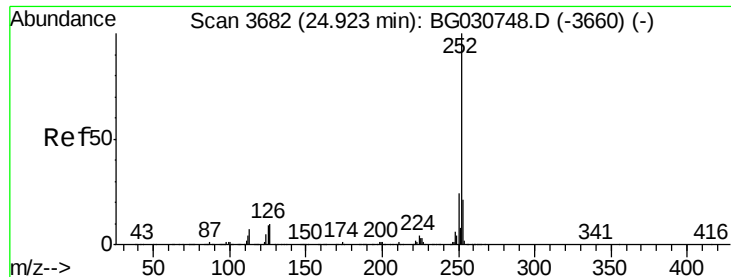


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 6.44 ng/ul

RT: 24.92 min Scan# 3682

Delta R.T. 0.00 min

Lab File: BG030749.D

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BNA_G

ClientSampleId :

B0E74

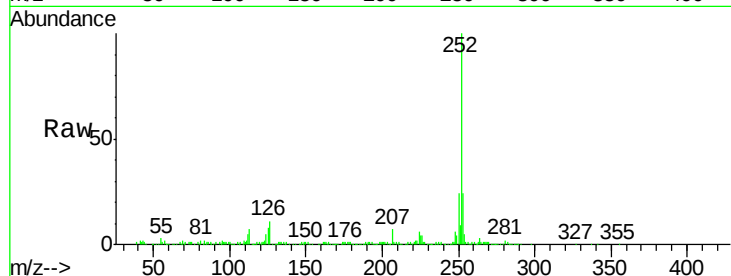
Tgt Ion:252 Resp: 223471

Ion Ratio Lower Upper

252 100

253 23.7 17.1 25.7

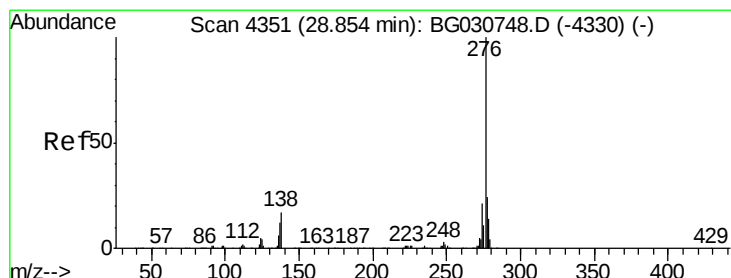
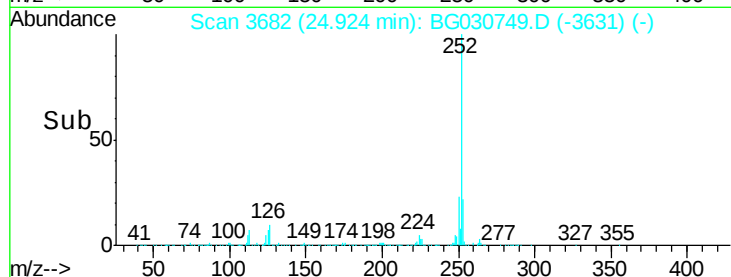
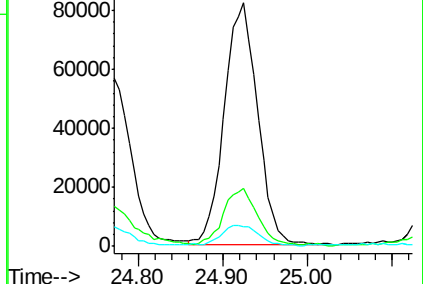
125 7.9 7.8 11.8



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: 4.30 ng/ul

RT: 28.85 min Scan# 4350

Delta R.T. -0.00 min

Lab File: BG030749.D

Acq: 5 Nov 2017 21:52

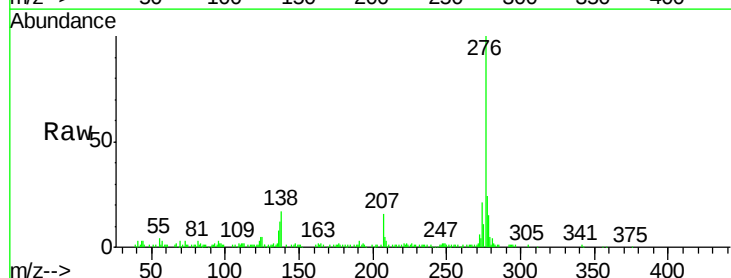
Tgt Ion:276 Resp: 168657

Ion Ratio Lower Upper

276 100

138 16.6 13.4 20.0

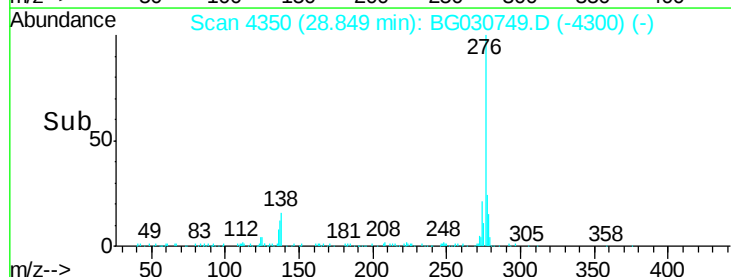
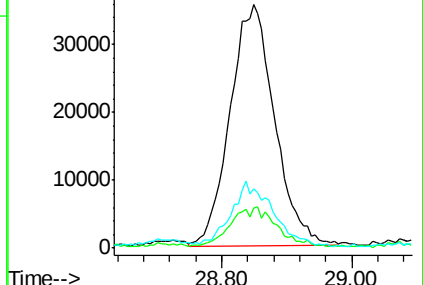
277 24.2 18.6 28.0

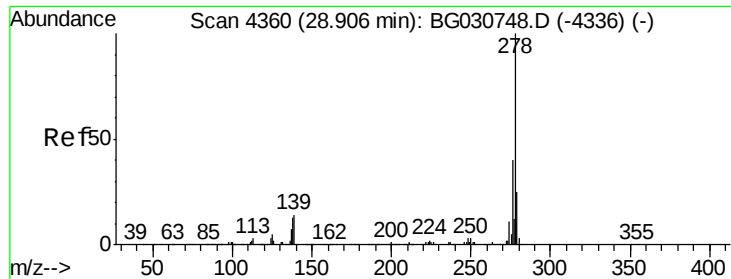


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.39 ng/ul

RT: 28.89 min Scan# 4357

Delta R.T. -0.02 min

Lab File: BG030749.D

Acq: 5 Nov 2017 21:52

Instrument :

BNA_G

ClientSampleId :

B0E74

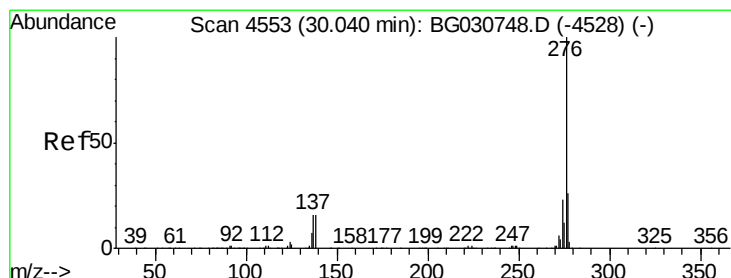
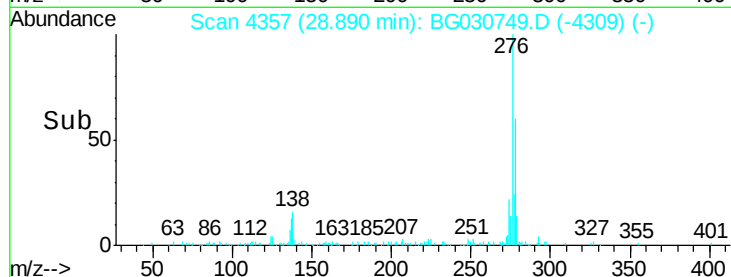
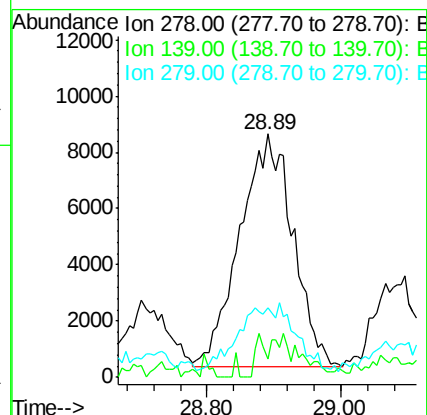
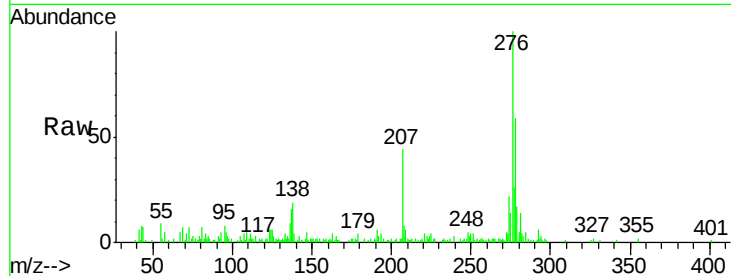
Tgt Ion:278 Resp: 45461

Ion Ratio Lower Upper

278 100

139 7.5 9.4 14.2#

279 28.3 18.4 27.6#



#91

Benzo(g,h,i)perylene

Concen: 4.54 ng/ul

RT: 30.02 min Scan# 4550

Delta R.T. -0.02 min

Lab File: BG030749.D

Acq: 5 Nov 2017 21:52

Tgt Ion:276 Resp: 147664

Ion Ratio Lower Upper

276 100

138 16.9 12.1 18.1

277 22.8 17.7 26.5

