

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
 Data File : BG025259.D
 Acq On : 17 Dec 2016 4:29
 Operator : UM/SJ
 Sample : 15995-20
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA888

Quant Time: Dec 17 05:11:37 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 17 00:22:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	71864	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	297910	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	210990	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	440075	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	584393	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	641711	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.58	96	3119	2.24	ng/uL	0.00
5) Phenol-d5	7.39	99	65682	10.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	48491	12.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	60805	14.02	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	49954	9.64	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	31571	14.97	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	32714	12.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	63886	12.63	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	50482	10.16	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	196675	13.55	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	234005	14.72	ng/ul	0.00
51) 4-Nitrophenol-d4	15.09	143	17369	6.96	ng/ul	0.02
57) Fluorene-d10	15.84	176	173749	12.72	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.98	200	18213	6.69	ng/ul	0.00
70) Anthracene-d10	17.70	188	278328	14.98	ng/ul	0.00
76) Pyrene-d10	19.97	212	341637	14.19	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	367288	14.13	ng/ul	0.02

Target Compounds

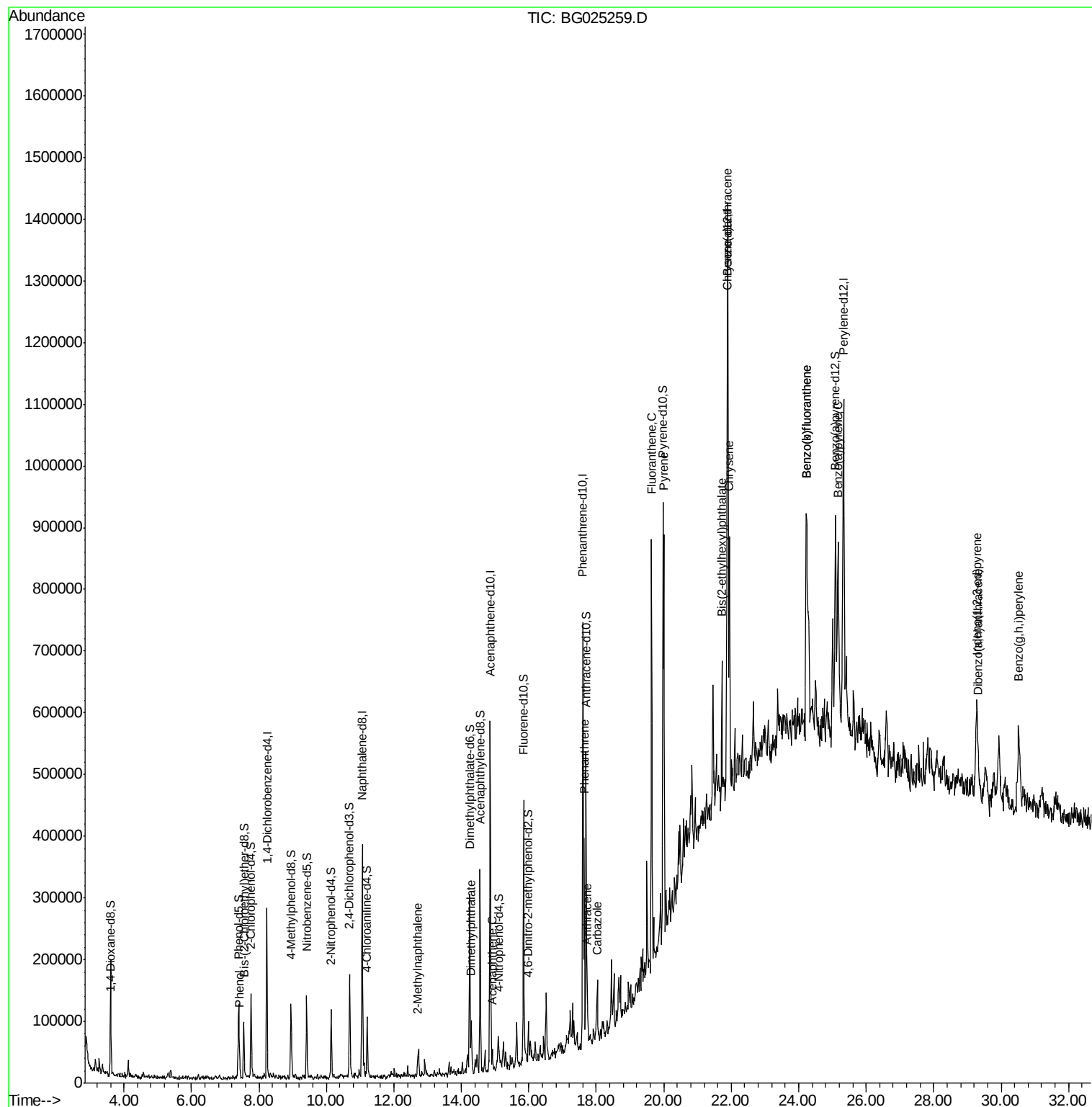
						Qvalue
6) Phenol	7.43	94	13440	2.11	ng/ul#	79
34) 2-Methylnaphthalene	12.70	142	14205	1.30	ng/ul	85
44) Dimethylphthalate	14.30	163	52053	3.65	ng/ul#	94
49) Acenaphthene	14.92	153	14133	1.33	ng/ul	85
69) Phenanthrene	17.65	178	221871	10.56	ng/ul	96
71) Anthracene	17.73	178	53617	2.48	ng/ul#	92
72) Carbazole	18.01	167	31608	1.75	ng/ul#	88
74) Fluoranthene	19.64	202	453714	18.18	ng/ul#	95
77) Pyrene	20.00	202	453648	16.15	ng/ul#	94
80) Benzo(a)anthracene	21.88	228	333652	10.99	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.72	149	83398	5.51	ng/ul#	94
82) Chrysene	21.95	228	335329	11.81	ng/ul	96
85) Benzo(b)fluoranthene	24.23	252	503734	15.83	ng/ul	99
86) Benzo(k)fluoranthene	24.23	252	141234	4.67	ng/ul	99
88) Benzo(a)pyrene	25.16	252	356993	11.67	ng/ul	94
89) Indeno(1,2,3-cd)pyrene	29.28	276	276599	7.27	ng/ul#	89
90) Dibenzo(a,h)anthracene	29.32	278	69917	2.18	ng/ul	96
91) Benzo(g,h,i)perylene	30.51	276	255806	8.06	ng/ul	99

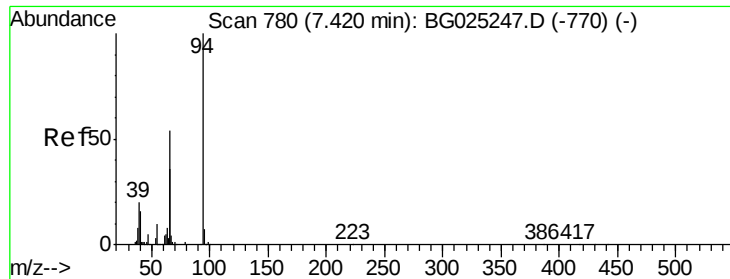
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.11 ng/ul

RT: 7.43 min Scan# 781

Delta R.T. 0.01 min

Lab File: BG025259.D

Acq: 17 Dec 2016 4:29

Instrument :

BNA_G

ClientSampleId :

DA888

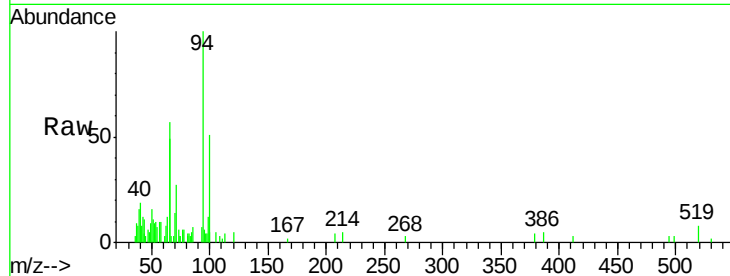
Tgt Ion: 94 Resp: 13440

Ion Ratio Lower Upper

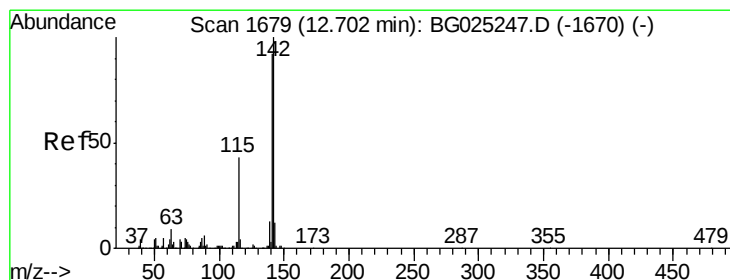
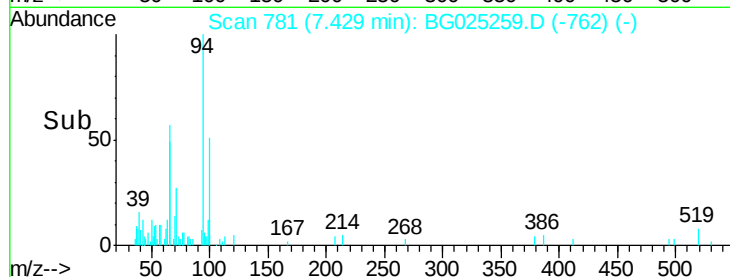
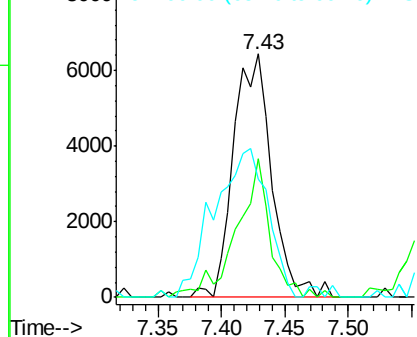
94 100

65 56.7 26.8 40.2#

66 48.5 44.4 66.6



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



#34

2-Methylnaphthalene

Concen: 1.30 ng/ul

RT: 12.70 min Scan# 1678

Delta R.T. -0.00 min

Lab File: BG025259.D

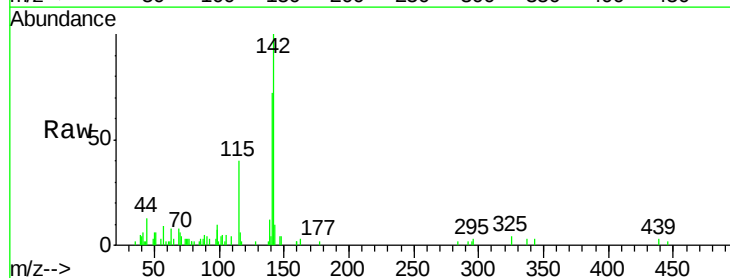
Acq: 17 Dec 2016 4:29

Tgt Ion: 142 Resp: 14205

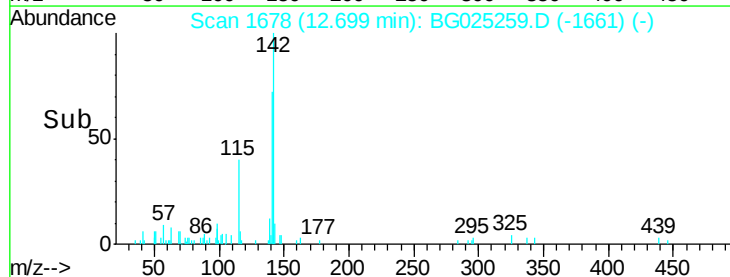
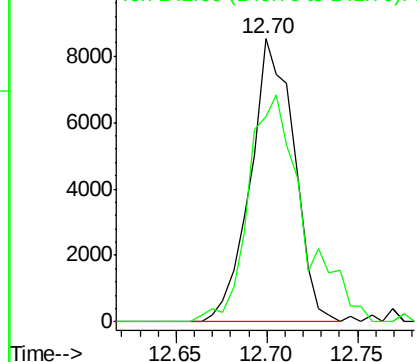
Ion Ratio Lower Upper

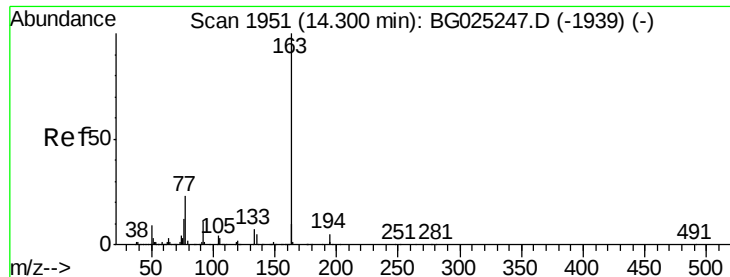
142 100

141 72.3 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): BGC
Ion 141.00 (140.70 to 141.70): BGC





#44

Dimethylphthalate

Concen: 3.65 ng/ul

RT: 14.30 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BG025259.D

Acq: 17 Dec 2016 4:29

Instrument :

BNA_G

ClientSampleId :

DA888

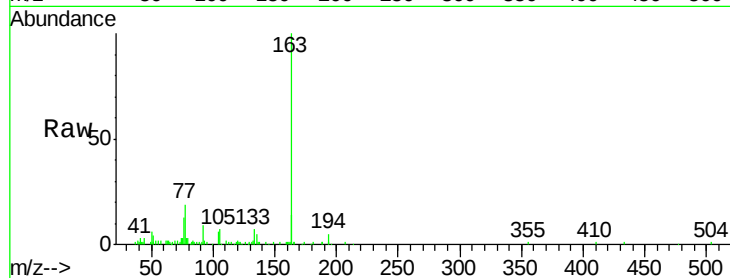
Tgt Ion:163 Resp: 52053

Ion Ratio Lower Upper

163 100

194 5.5 3.4 5.0#

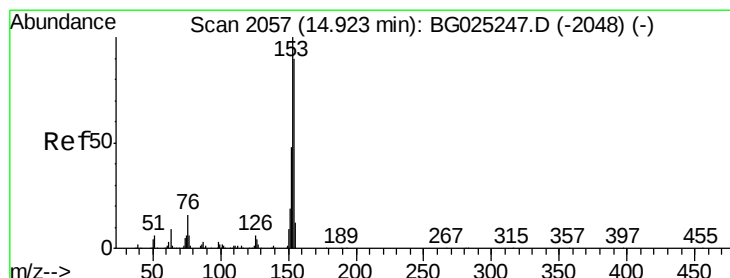
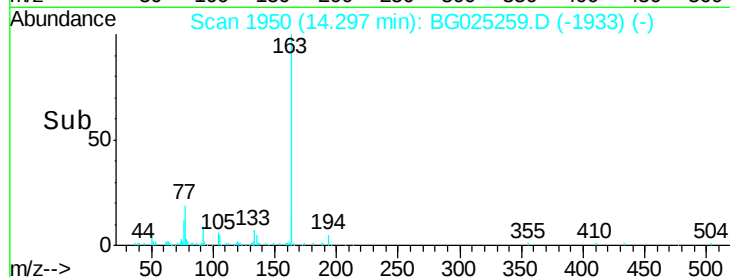
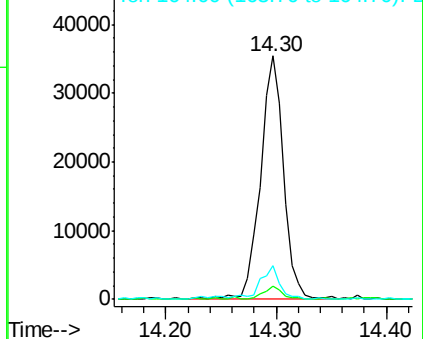
164 14.0 9.0 13.4#



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



#49

Acenaphthene

Concen: 1.33 ng/ul

RT: 14.92 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BG025259.D

Acq: 17 Dec 2016 4:29

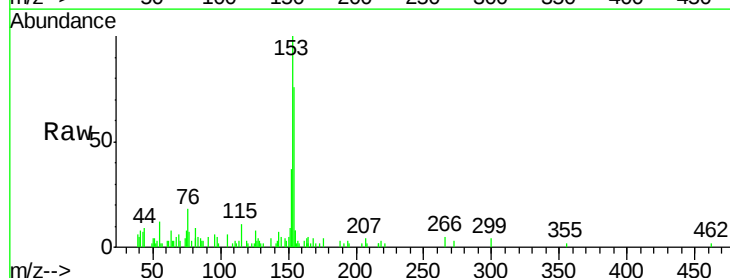
Tgt Ion:153 Resp: 14133

Ion Ratio Lower Upper

153 100

152 37.4 36.5 54.7

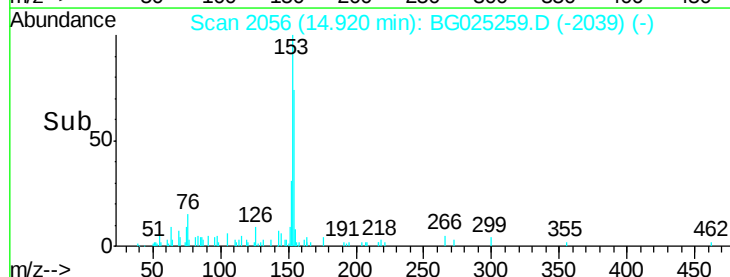
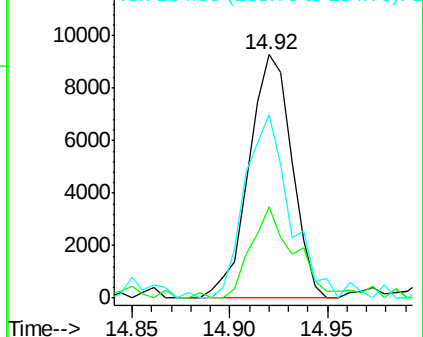
154 75.6 72.3 108.5

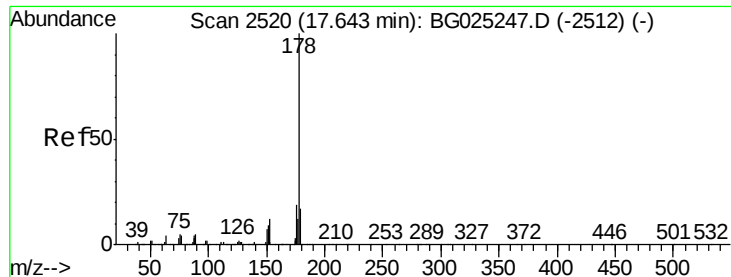


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#69

Phenanthrene

Concen: 10.56 ng/ul

RT: 17.65 min Scan# 2520

Delta R.T. 0.00 min

Lab File: BG025259.D

Acq: 17 Dec 2016 4:29

Instrument :

BNA_G

ClientSampleId :

DA888

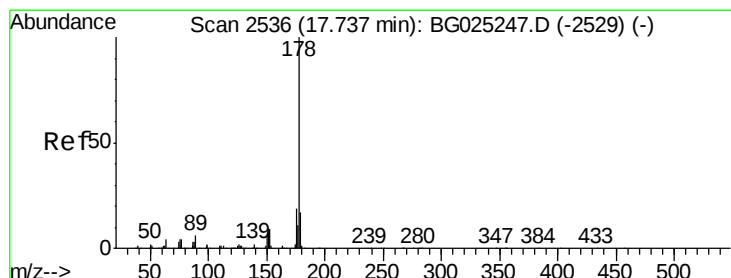
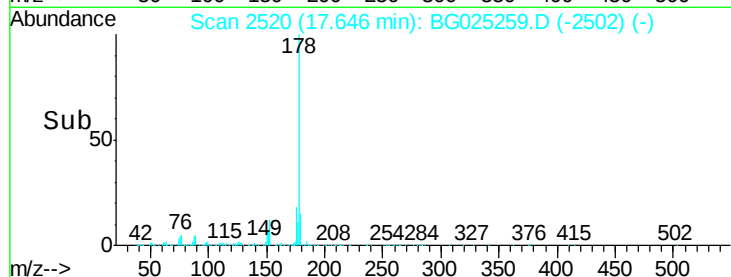
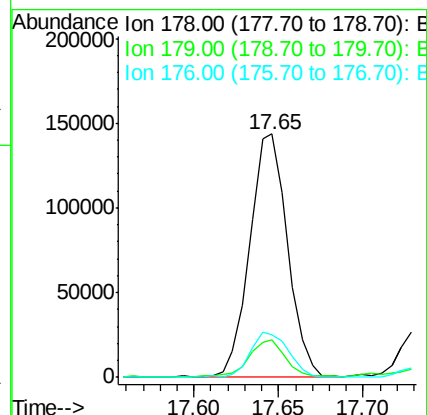
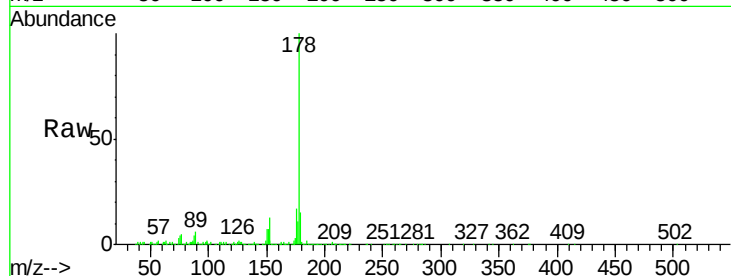
Tgt Ion:178 Resp: 221871

Ion Ratio Lower Upper

178 100

179 15.3 12.4 18.6

176 17.5 16.5 24.7



#71

Anthracene

Concen: 2.48 ng/ul

RT: 17.73 min Scan# 2535

Delta R.T. -0.00 min

Lab File: BG025259.D

Acq: 17 Dec 2016 4:29

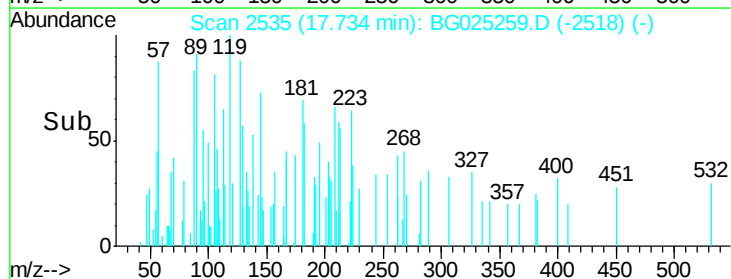
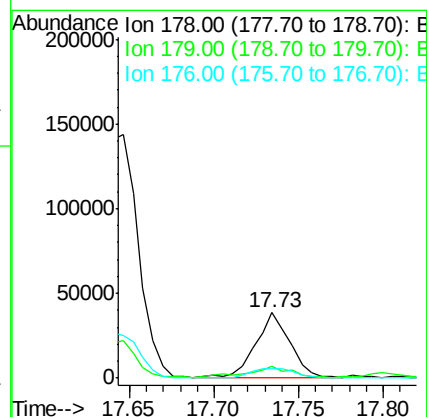
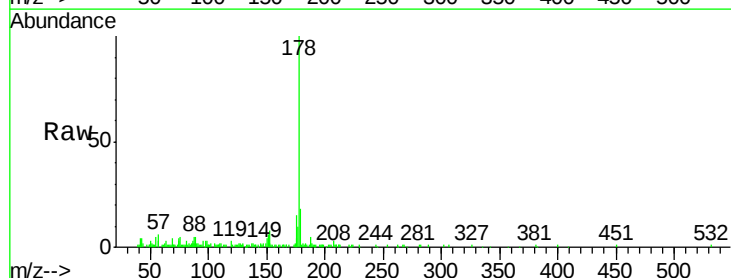
Tgt Ion:178 Resp: 53617

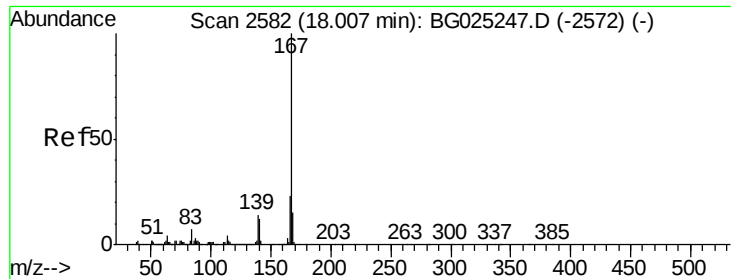
Ion Ratio Lower Upper

178 100

179 17.9 12.6 19.0

176 15.3 15.9 23.9#





#72

Carbazole

Concen: 1.75 ng/ul

RT: 18.01 min Scan# 2582

Delta R.T. 0.00 min

Lab File: BG025259.D

Acq: 17 Dec 2016 4:29

Instrument :

BNA_G

ClientSampleId :

DA888

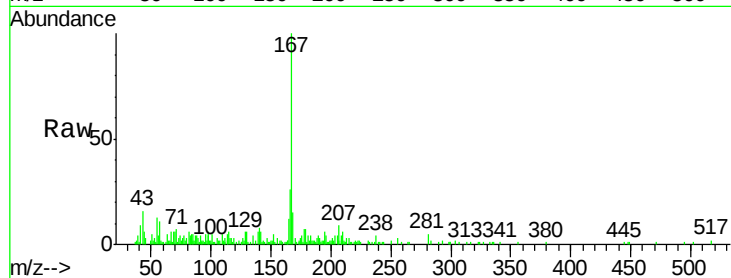
Tgt Ion:167 Resp: 31608

Ion Ratio Lower Upper

167 100

166 26.3 17.9 26.9

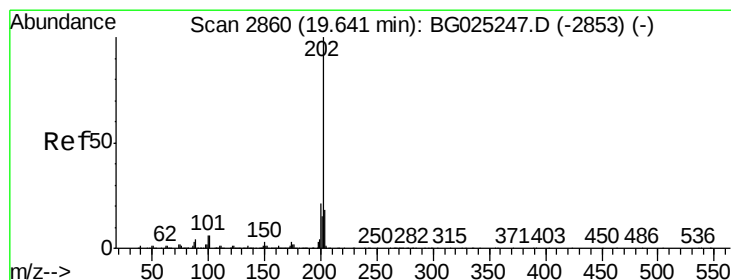
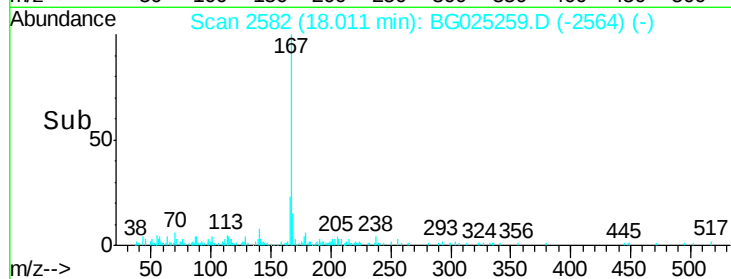
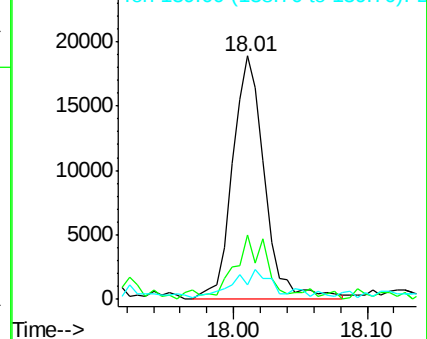
139 5.8 10.5 15.7#



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: 18.18 ng/ul

RT: 19.64 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG025259.D

Acq: 17 Dec 2016 4:29

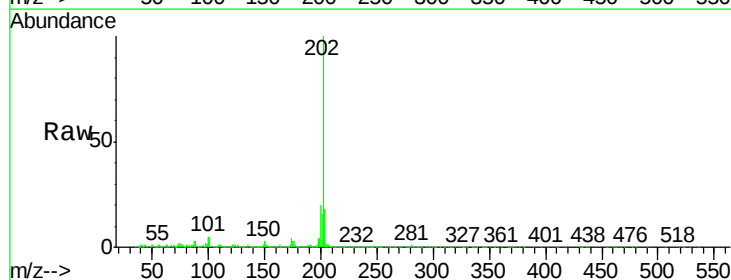
Tgt Ion:202 Resp: 453714

Ion Ratio Lower Upper

202 100

101 5.3 6.2 9.2#

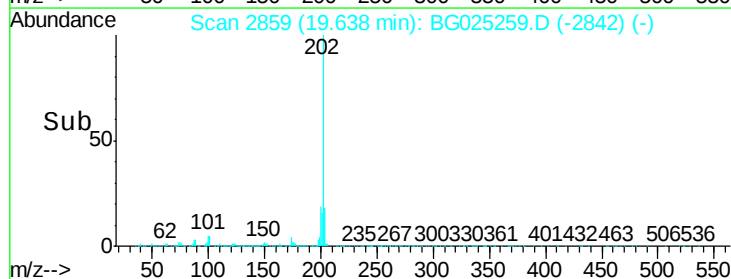
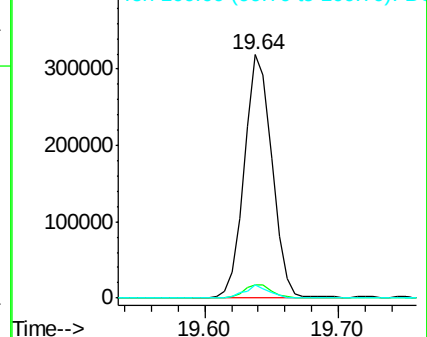
100 5.4 5.2 7.8

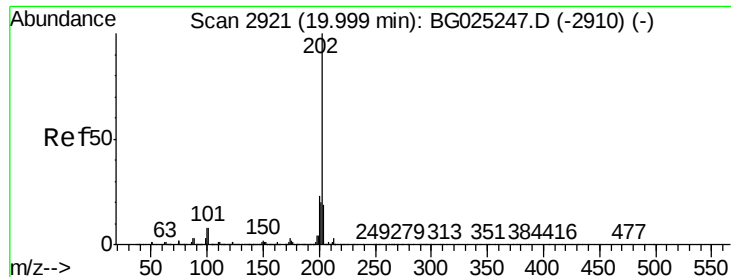


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 16.15 ng/ul

RT: 20.00 min Scan# 2921

Delta R.T. 0.00 min

Lab File: BG025259.D

Acq: 17 Dec 2016 4:29

Instrument :

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DA888

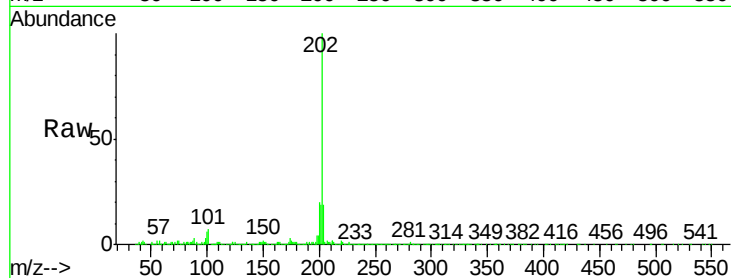
Tgt Ion:202 Resp: 453648

Ion Ratio Lower Upper

202 100

101 6.7 6.9 10.3#

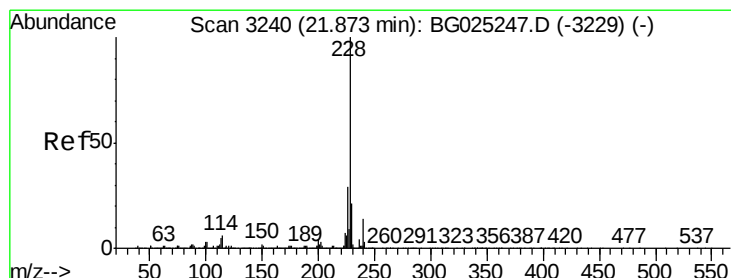
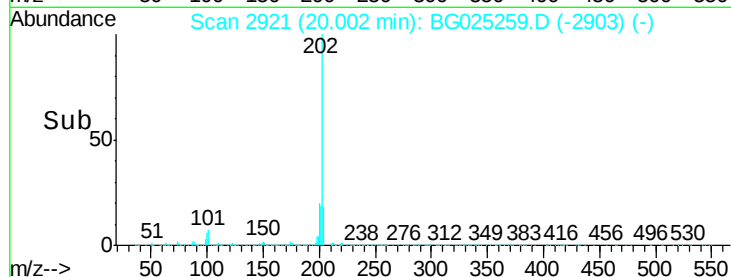
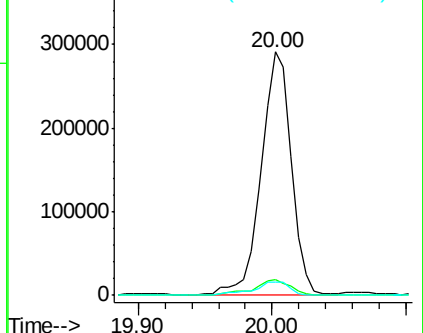
100 5.7 6.6 10.0#



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: 10.99 ng/ul

RT: 21.88 min Scan# 3240

Delta R.T. 0.00 min

Lab File: BG025259.D

Acq: 17 Dec 2016 4:29

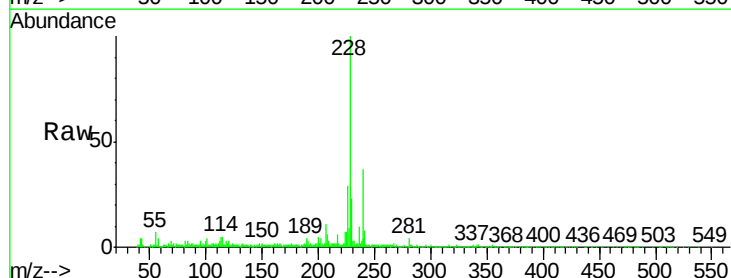
Tgt Ion:228 Resp: 333652

Ion Ratio Lower Upper

228 100

229 23.0 16.3 24.5

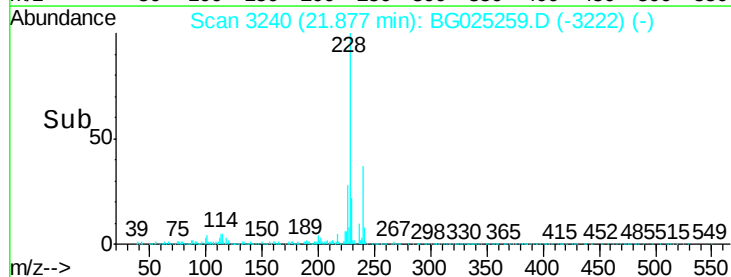
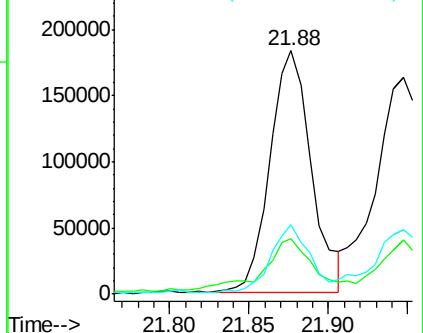
226 28.7 21.9 32.9

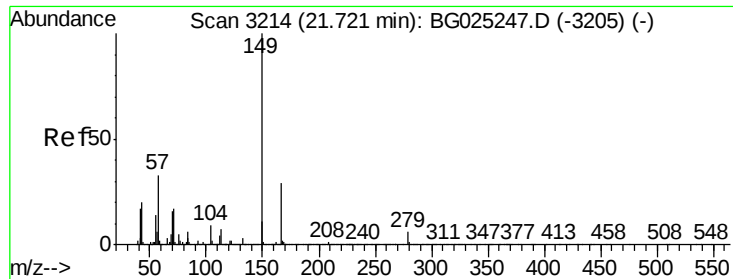


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 5.51 ng/ul

RT: 21.72 min Scan# 3213

Delta R.T. -0.00 min

Lab File: BG025259.D

Acq: 17 Dec 2016 4:29

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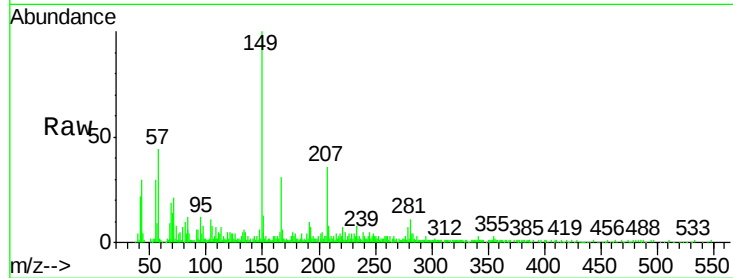
Tgt Ion:149 Resp: 83398

Ion Ratio Lower Upper

149 100

167 31.0 21.8 32.8

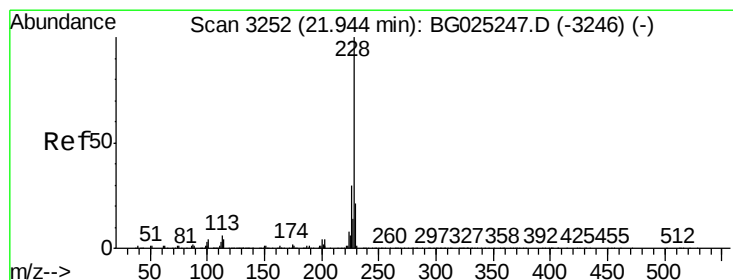
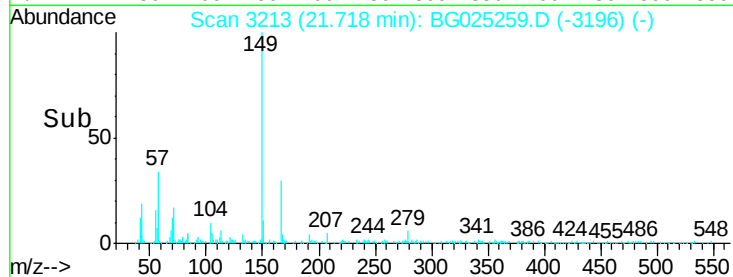
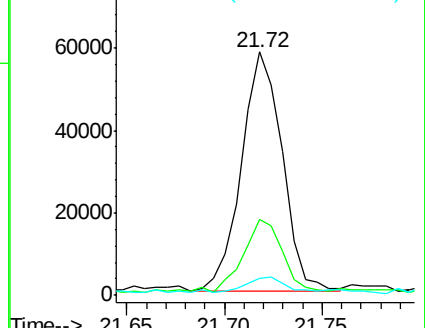
279 6.8 4.5 6.7#



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: 11.81 ng/ul

RT: 21.95 min Scan# 3252

Delta R.T. 0.00 min

Lab File: BG025259.D

Acq: 17 Dec 2016 4:29

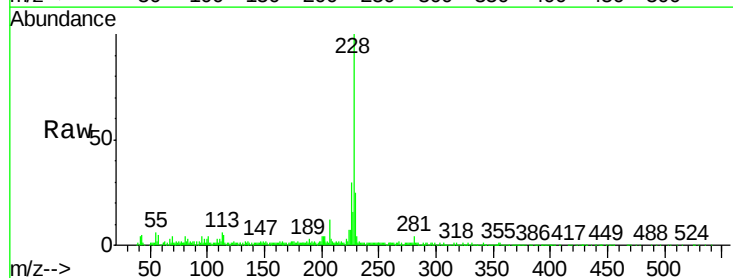
Tgt Ion:228 Resp: 335329

Ion Ratio Lower Upper

228 100

226 29.7 24.0 36.0

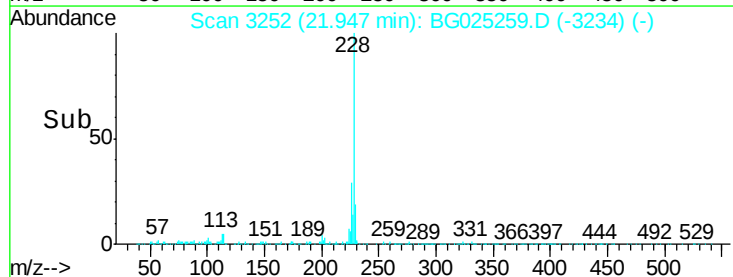
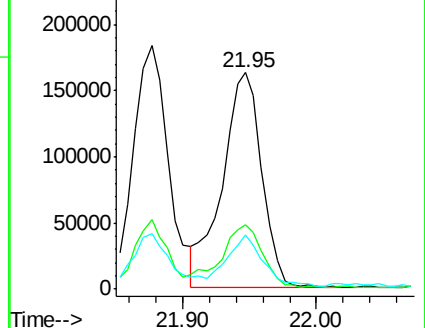
229 25.1 16.9 25.3

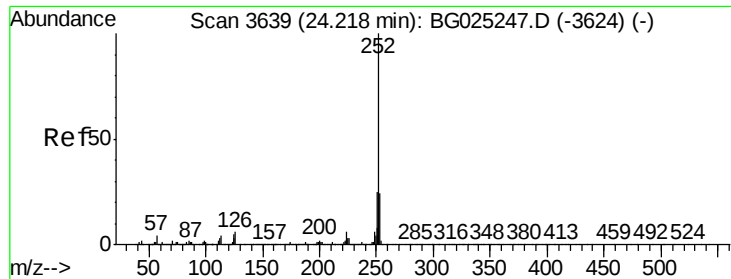


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 15.83 ng/ul

RT: 24.23 min Scan# 3641

Delta R.T. 0.02 min

Lab File: BG025259.D

Acq: 17 Dec 2016 4:29

Instrument :

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ClientSampleId :

DA888

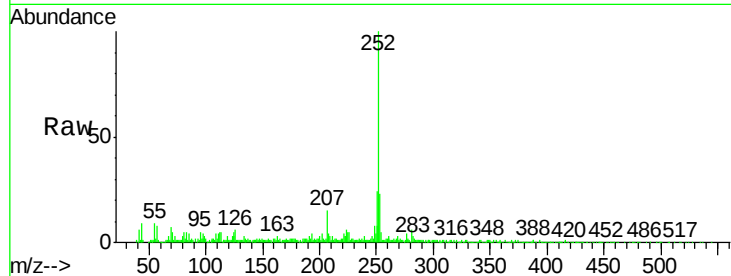
Tgt Ion:252 Resp: 503734

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

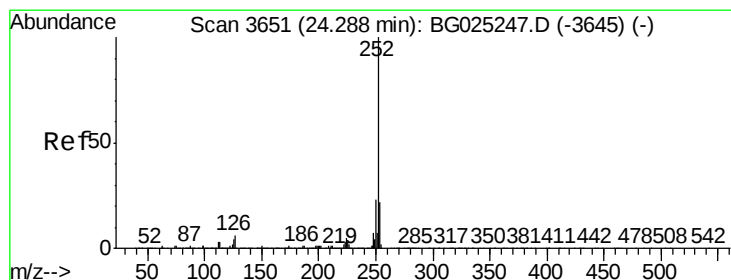
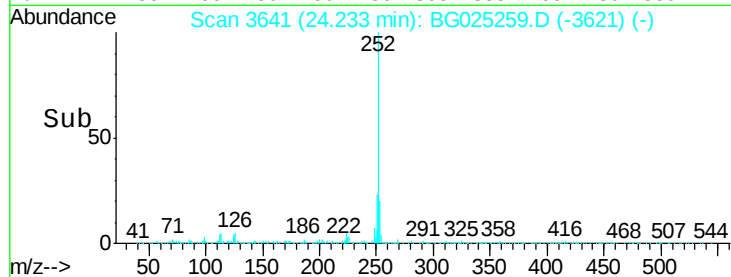
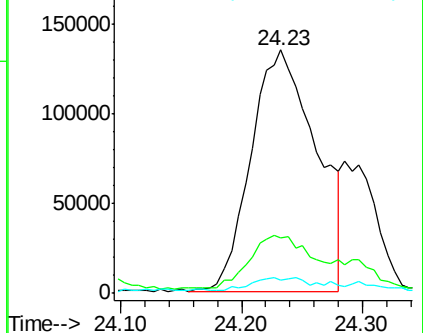
125 5.4 4.0 6.0



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: 4.67 ng/ul

RT: 24.23 min Scan# 3641

Delta R.T. -0.06 min

Lab File: BG025259.D

Acq: 17 Dec 2016 4:29

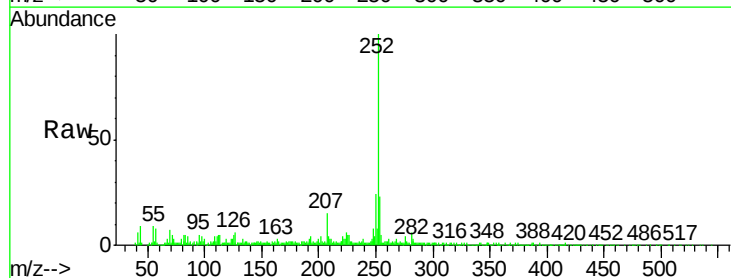
Tgt Ion:252 Resp: 141234

Ion Ratio Lower Upper

252 100

253 22.8 18.5 27.7

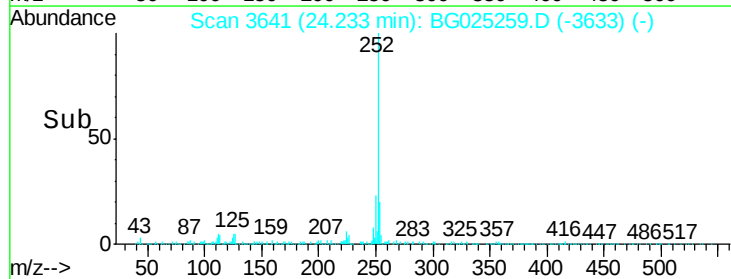
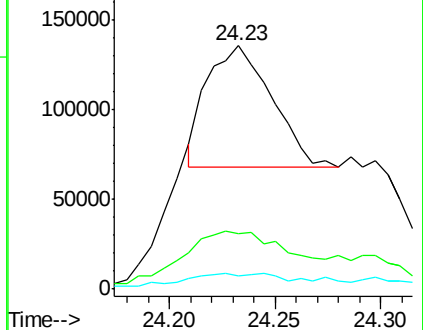
125 5.4 4.1 6.1

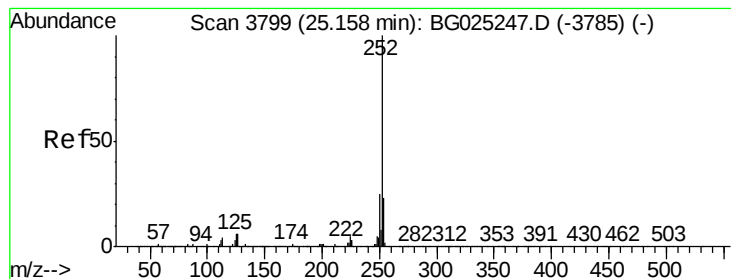


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 11.67 ng/ul

RT: 25.16 min Scan# 3799

Delta R.T. 0.00 min

Lab File: BG025259.D

Acq: 17 Dec 2016 4:29

Instrument :

BNA_G

ClientSampleId :

DA888

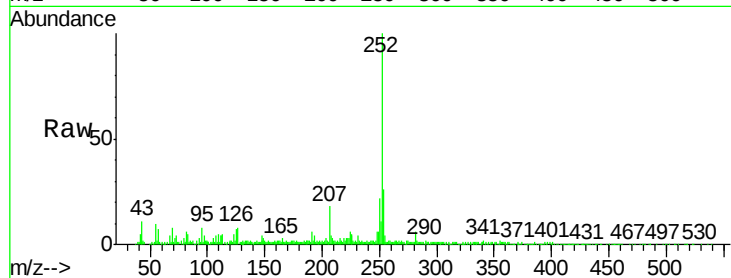
Tgt Ion:252 Resp: 356993

Ion Ratio Lower Upper

252 100

253 26.1 17.8 26.6

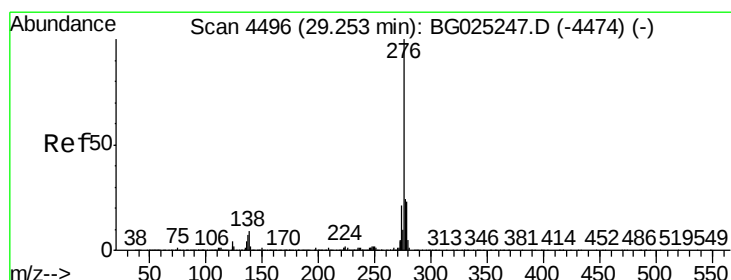
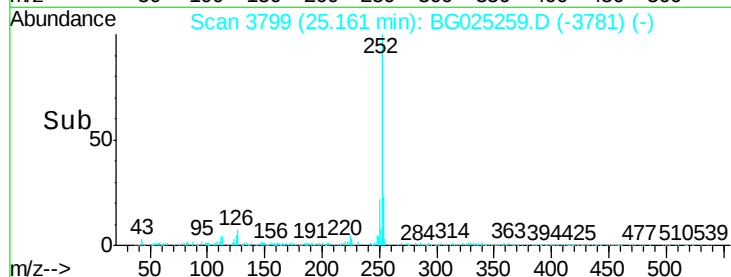
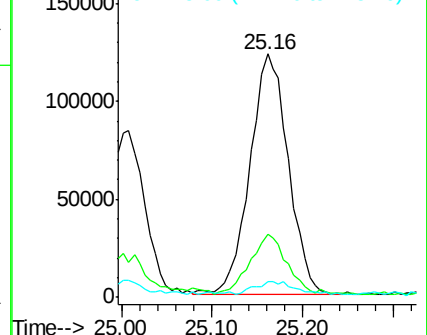
125 6.6 5.4 8.0



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: 7.27 ng/ul

RT: 29.28 min Scan# 4500

Delta R.T. 0.03 min

Lab File: BG025259.D

Acq: 17 Dec 2016 4:29

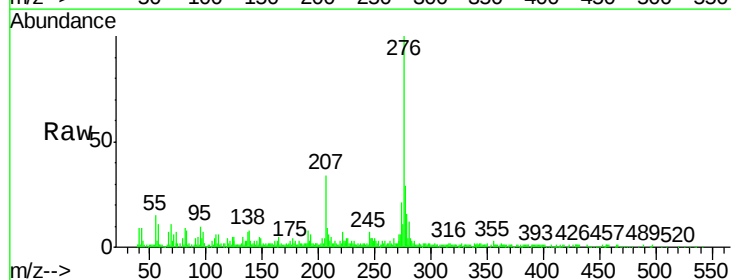
Tgt Ion:276 Resp: 276599

Ion Ratio Lower Upper

276 100

138 7.9 8.2 12.4#

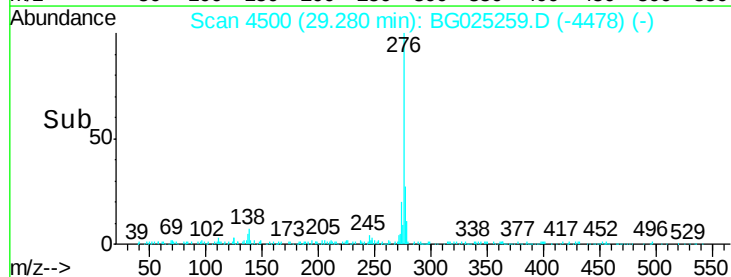
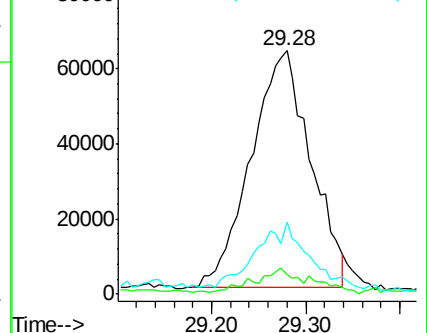
277 29.4 18.6 28.0#

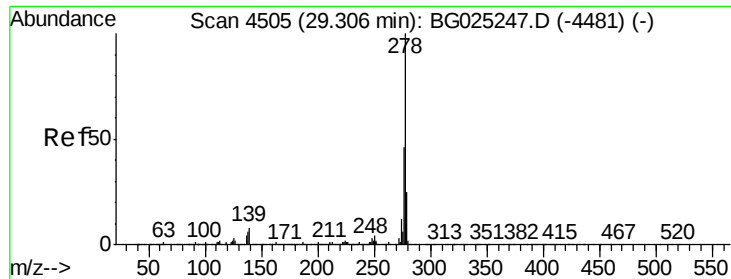


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.18 ng/ul

RT: 29.32 min Scan# 4507

Delta R.T. 0.02 min

Lab File: BG025259.D

Acq: 17 Dec 2016 4:29

Instrument :

BNA_G

ClientSampleId :

DA888

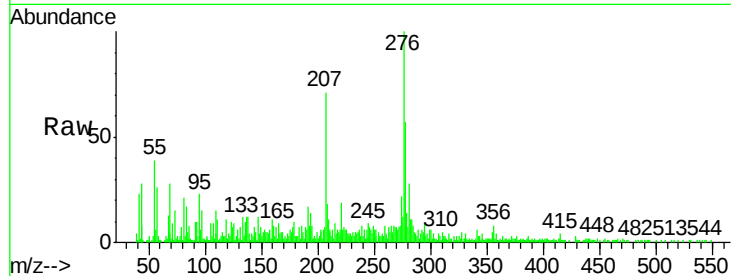
Tgt Ion:278 Resp: 69917

Ion Ratio Lower Upper

278 100

139 6.9 6.7 10.1

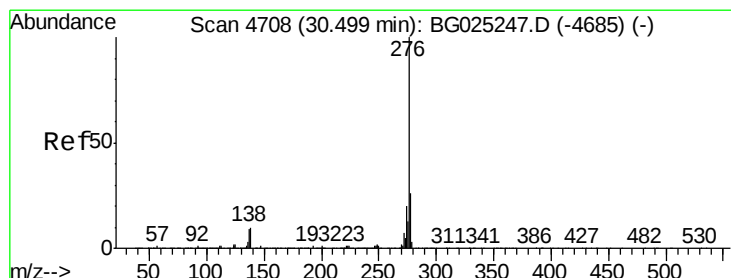
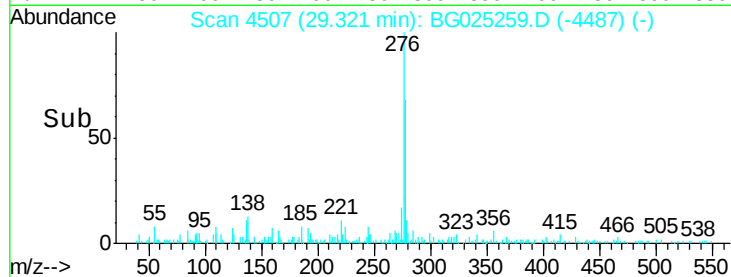
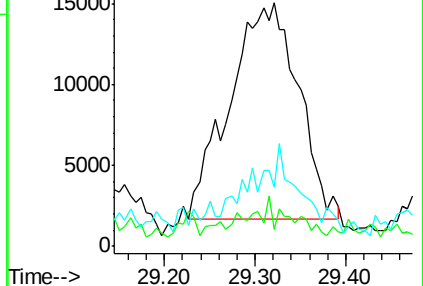
279 24.3 20.9 31.3



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.06 ng/ul

RT: 30.51 min Scan# 4710

Delta R.T. 0.02 min

Lab File: BG025259.D

Acq: 17 Dec 2016 4:29

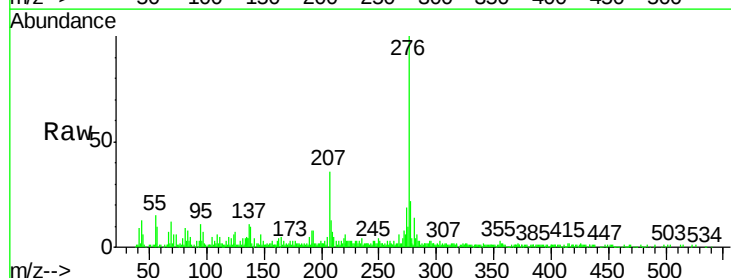
Tgt Ion:276 Resp: 255806

Ion Ratio Lower Upper

276 100

138 10.1 8.6 12.8

277 21.5 17.6 26.4



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

