

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023669.D
 Acq On : 12 Aug 2016 23:29
 Operator : UM/SJ
 Sample : H4385-15
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS004-0612-01

Quant Time: Aug 13 03:23:14 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 13 03:19:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	116448	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.95	136	566698	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.79	164	382752	20.00	ng/ul	-0.02
61) Phenanthrene-d10	17.55	188	863802	20.00	ng/ul	-0.01
75) Chrysene-d12	21.88	240	859319	20.00	ng/ul	-0.02
83) Perylene-d12	25.28	264	867365	20.00	ng/ul	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.48	96	8799	3.21	ng/uL	0.00
5) Phenol-d5	7.27	99	232690	19.84	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.43	67	155563	20.70	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	164686	20.58	ng/ul	-0.02
13) 4-Methylphenol-d8	8.83	113	174186	19.02	ng/ul	-0.02
19) Nitrobenzene-d5	9.29	128	91431	20.47	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.02	143	108210	21.09	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.57	165	194232	20.07	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.09	131	235619	20.75	ng/ul	-0.02
43) Dimethylphthalate-d6	14.18	166	654677	20.89	ng/ul	-0.01
46) Acenaphthylene-d8	14.48	160	781475	22.16	ng/ul	-0.01
51) 4-Nitrophenol-d4	15.01	143	94237	17.61	ng/ul	-0.01
57) Fluorene-d10	15.79	176	597058	20.62	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.91	200	89956	16.23	ng/ul	-0.02
70) Anthracene-d10	17.65	188	852157	21.90	ng/ul	-0.01
76) Pyrene-d10	19.94	212	904634	20.80	ng/ul	-0.02
87) Benzo(a)pyrene-d12	25.04	264	851972	21.70	ng/ul	-0.05

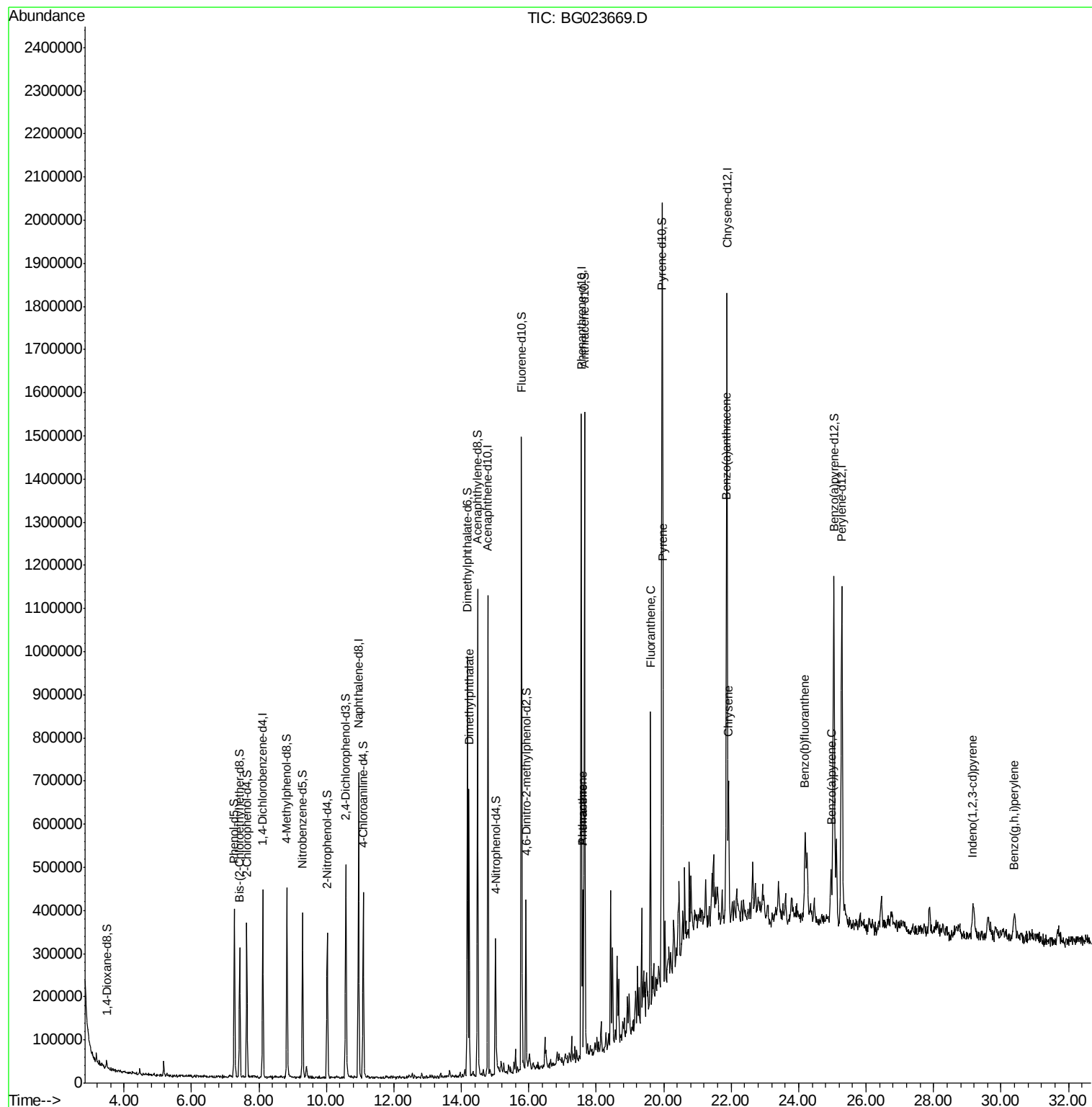
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
44) Dimethylphthalate	14.23	163	407506	13.13	ng/ul	99
69) Phenanthrene	17.59	178	239923	5.36	ng/ul	97
71) Anthracene	17.59	178	239923	5.26	ng/ul	97
74) Fluoranthene	19.61	202	419882	9.17	ng/ul#	93
77) Pyrene	19.97	202	499587	9.40	ng/ul	94
80) Benzo(a)anthracene	21.85	228	228957	4.73	ng/ul	96
82) Chrysene	21.92	228	241498	5.49	ng/ul	98
85) Benzo(b)fluoranthene	24.19	252	243049	4.93	ng/ul#	91
88) Benzo(a)pyrene	24.96	252	142984	3.00	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	29.16	276	72748	1.30	ng/ul#	89
91) Benzo(g,h,i)perylene	30.39	276	56286	1.21	ng/ul#	79

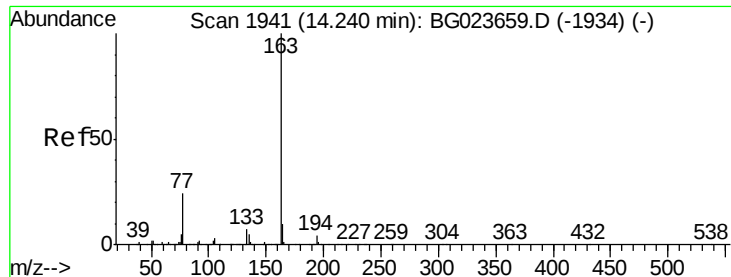
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 13.13 ng/ul

RT: 14.23 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BG023669.D

Acq: 12 Aug 2016 23:29

Instrument :

BNA_G

ClientSampleId :

P002-SS004-0612-01

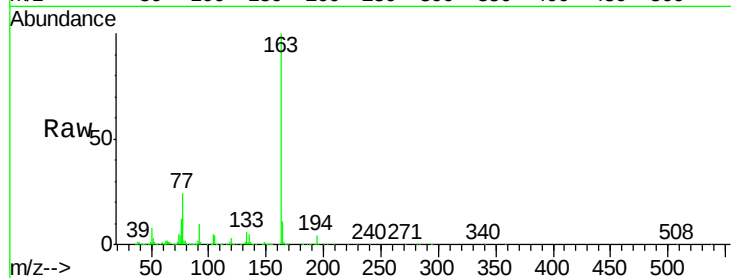
Tgt Ion:163 Resp: 407506

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.2

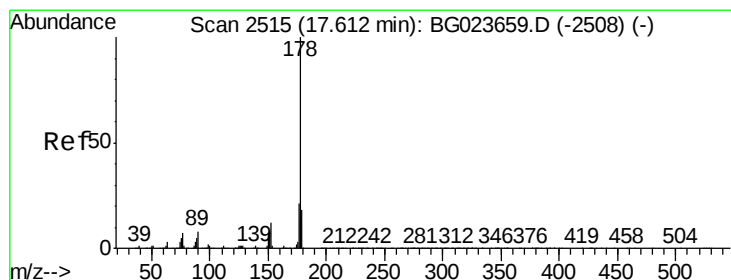
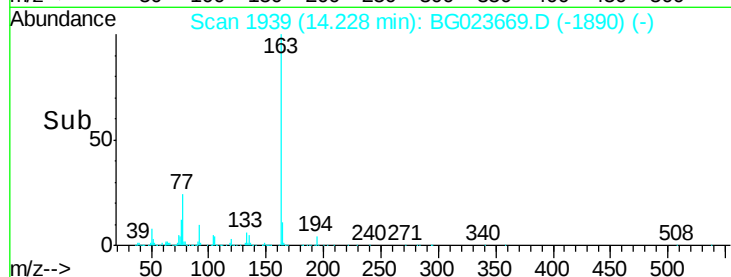
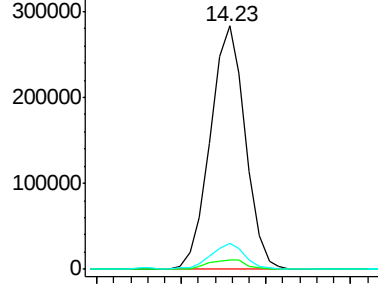
164 10.5 8.8 13.2



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: 5.36 ng/ul

RT: 17.59 min Scan# 2512

Delta R.T. -0.02 min

Lab File: BG023669.D

Acq: 12 Aug 2016 23:29

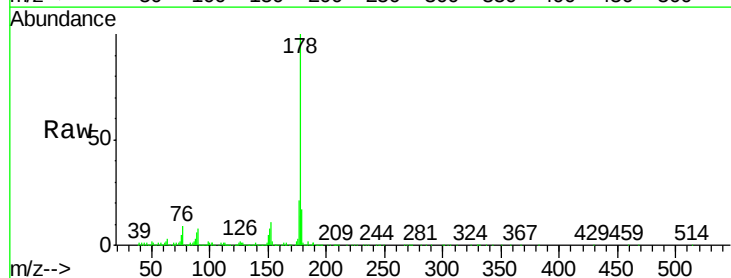
Tgt Ion:178 Resp: 239923

Ion Ratio Lower Upper

178 100

179 16.7 12.9 19.3

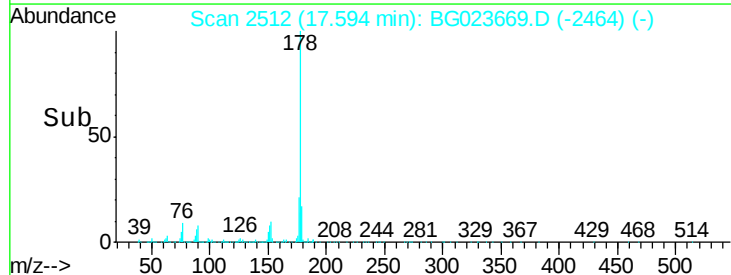
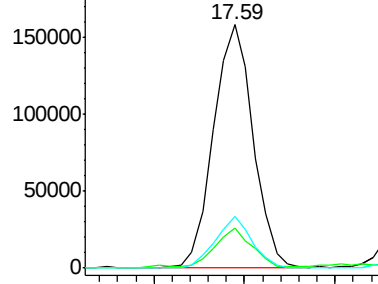
176 21.4 15.8 23.8

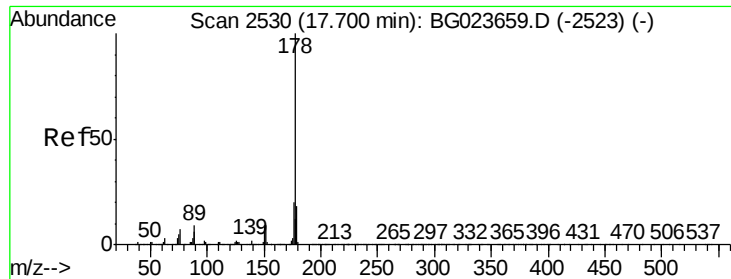


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 5.26 ng/ul

RT: 17.59 min Scan# 2512

Delta R.T. -0.11 min

Lab File: BG023669.D

Acq: 12 Aug 2016 23:29

Instrument :

BNA_G

ClientSampleId :

P002-SS004-0612-01

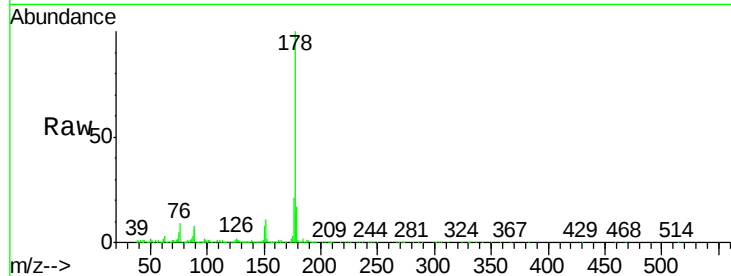
Tgt Ion:178 Resp: 239923

Ion Ratio Lower Upper

178 100

179 16.7 12.3 18.5

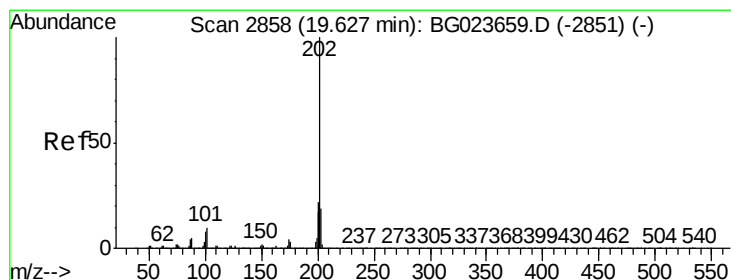
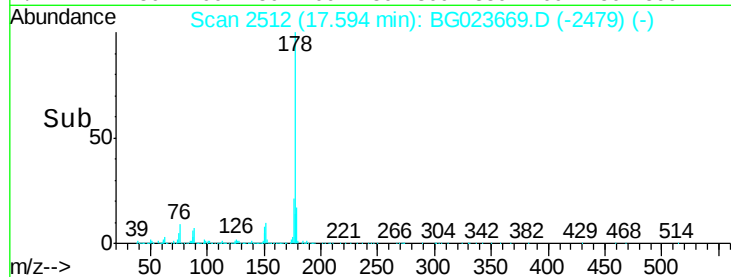
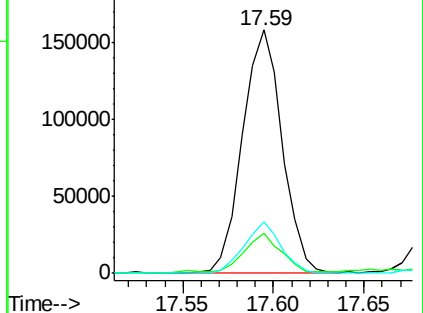
176 21.4 16.3 24.5



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



#74

Fluoranthene

Concen: 9.17 ng/ul

RT: 19.61 min Scan# 2855

Delta R.T. -0.02 min

Lab File: BG023669.D

Acq: 12 Aug 2016 23:29

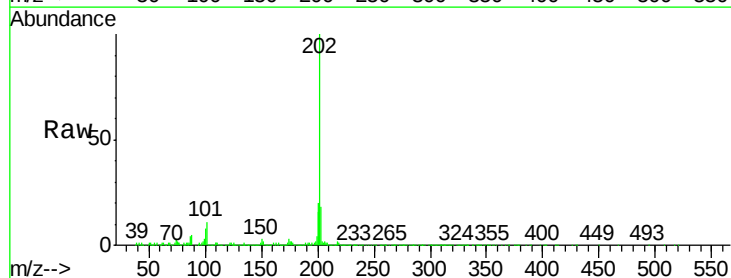
Tgt Ion:202 Resp: 419882

Ion Ratio Lower Upper

202 100

101 10.7 10.6 16.0

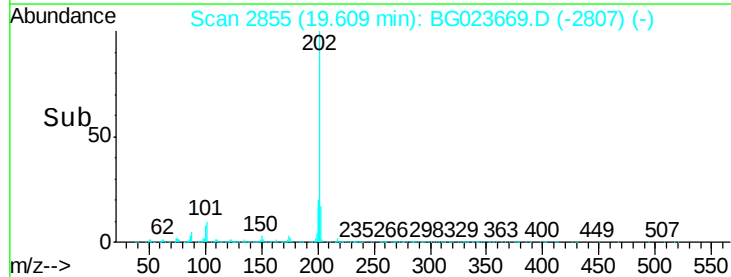
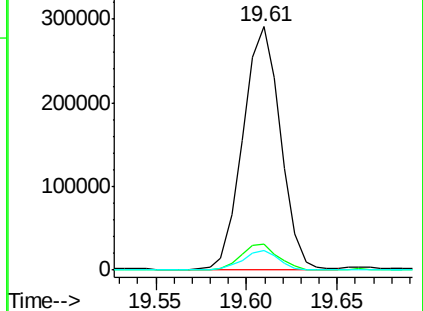
100 8.0 8.7 13.1#

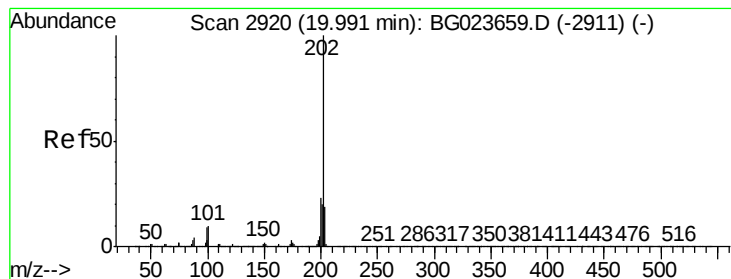


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 9.40 ng/ul

RT: 19.97 min Scan# 2917

Delta R.T. -0.02 min

Lab File: BG023669.D

Acq: 12 Aug 2016 23:29

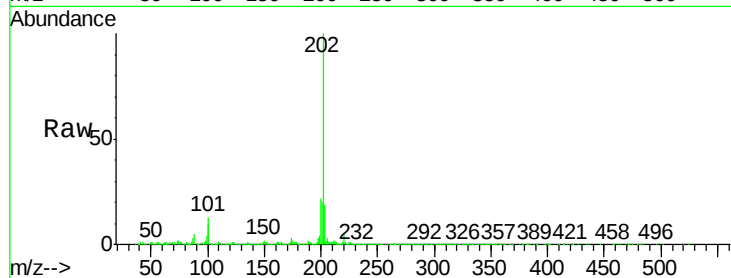
Instrument :

BNA_G

ClientSampleId :

P002-SS004-0612-01

Tgt Ion:	202	Resp:	499587
Ion Ratio	Lower	Upper	
202	100		
101	12.8	12.5	18.7
100	10.3	10.2	15.4

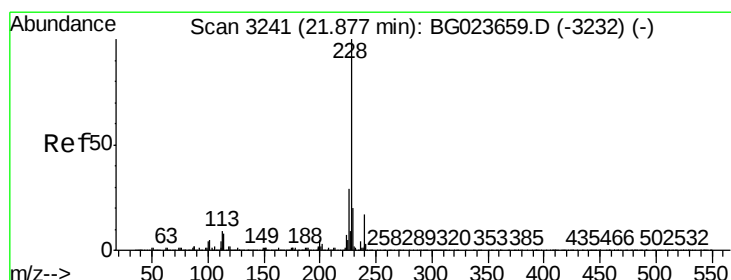
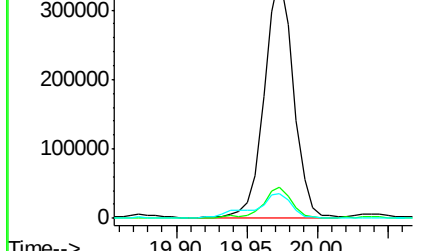
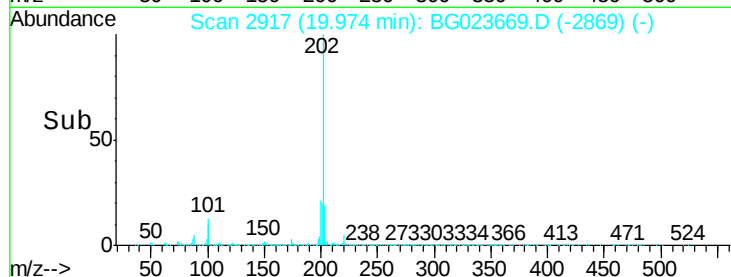


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time-->



#80

Benzo(a)anthracene

Concen: 4.73 ng/ul

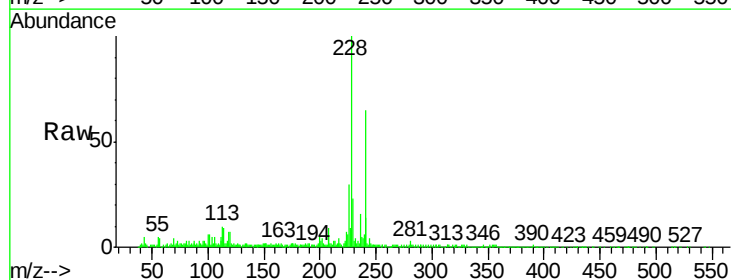
RT: 21.85 min Scan# 3237

Delta R.T. -0.02 min

Lab File: BG023669.D

Acq: 12 Aug 2016 23:29

Tgt Ion:	228	Resp:	228957
Ion Ratio	Lower	Upper	
228	100		
229	22.8	15.4	23.2
226	29.6	22.8	34.2

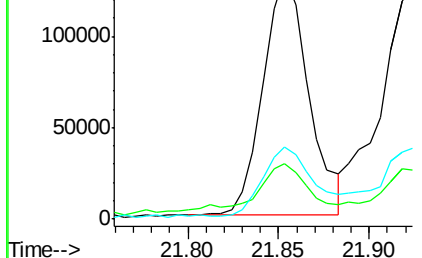
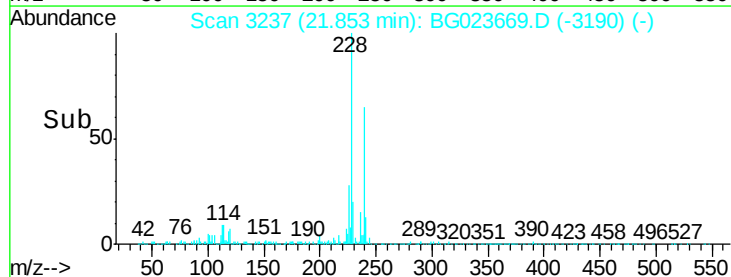


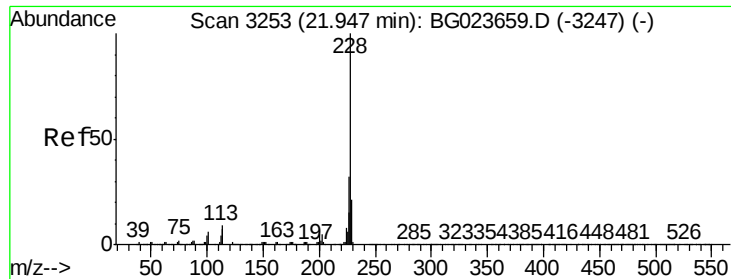
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time-->





#82

Chrysene

Concen: 5.49 ng/ul

RT: 21.92 min Scan# 3249

Delta R.T. -0.02 min

Lab File: BG023669.D

Acq: 12 Aug 2016 23:29

Instrument :

BNA_G

ClientSampleId :

P002-SS004-0612-01

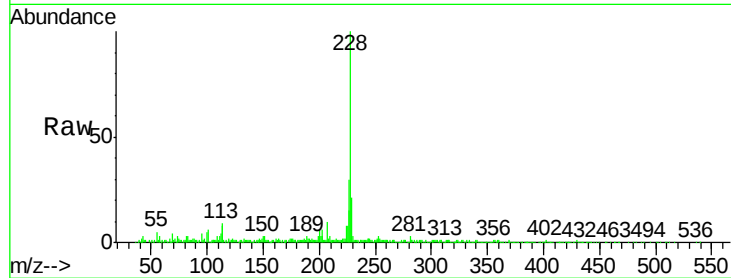
Tgt Ion: 228 Resp: 241498

Ion Ratio Lower Upper

228 100

226 30.4 24.2 36.4

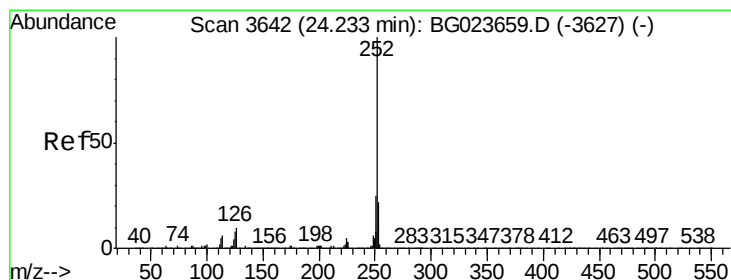
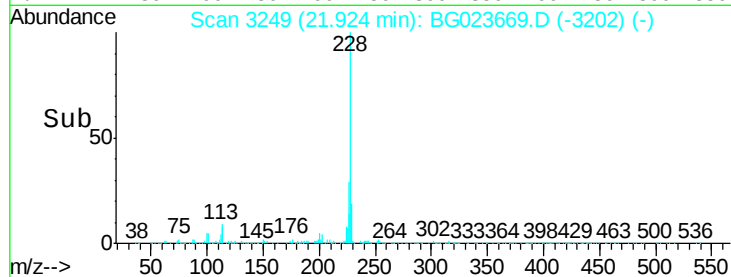
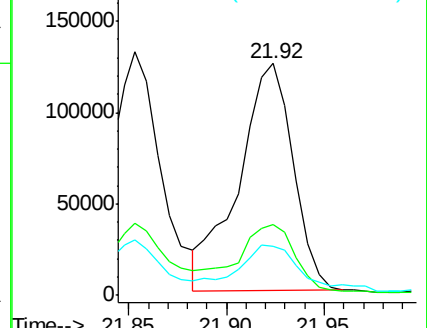
229 21.0 15.0 22.6



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: 4.93 ng/ul

RT: 24.19 min Scan# 3635

Delta R.T. -0.04 min

Lab File: BG023669.D

Acq: 12 Aug 2016 23:29

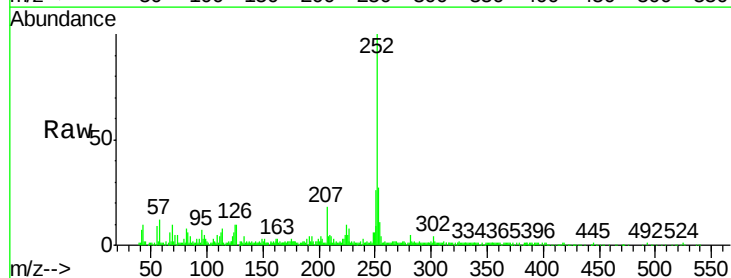
Tgt Ion: 252 Resp: 243049

Ion Ratio Lower Upper

252 100

253 27.4 18.2 27.2#

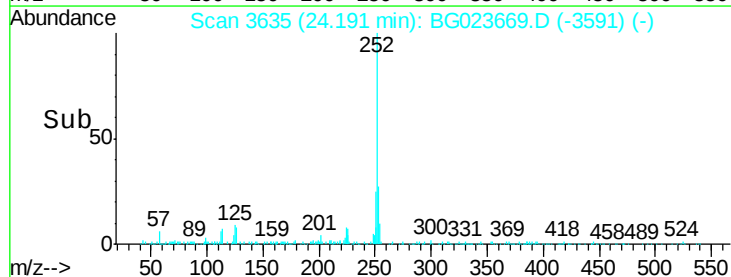
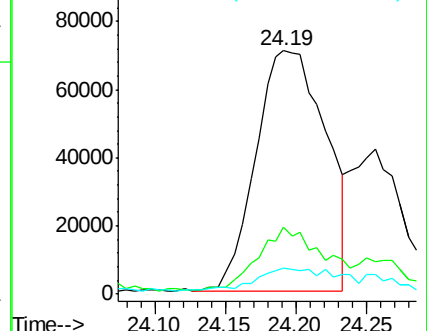
125 10.4 10.8 16.2#

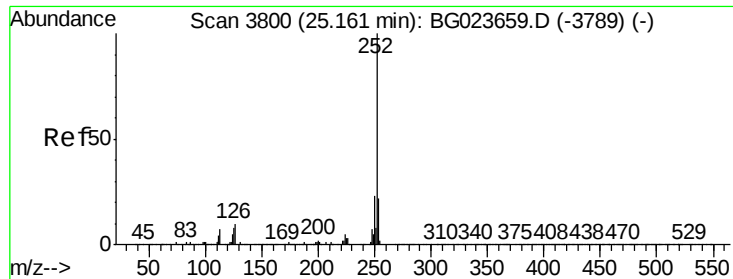


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 3.00 ng/ul

RT: 24.96 min Scan# 3766

Delta R.T. -0.20 min

Lab File: BG023669.D

Acq: 12 Aug 2016 23:29

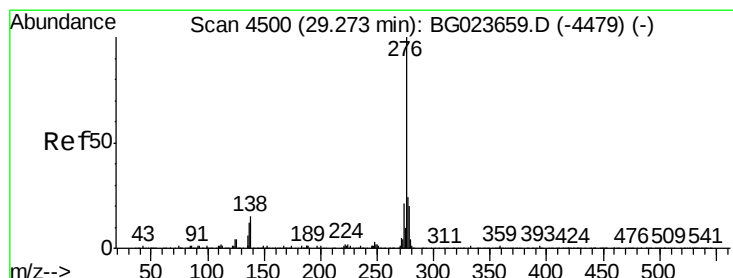
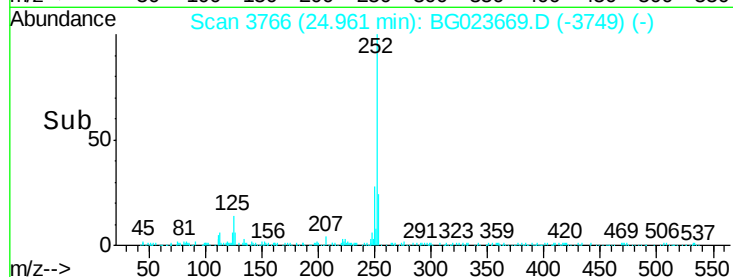
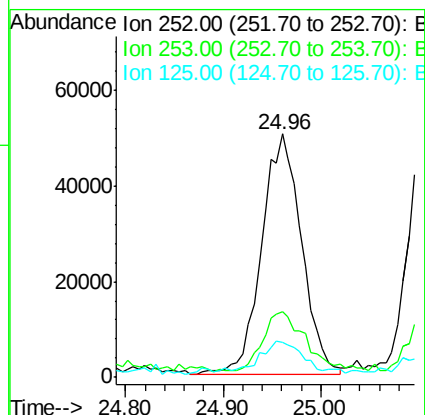
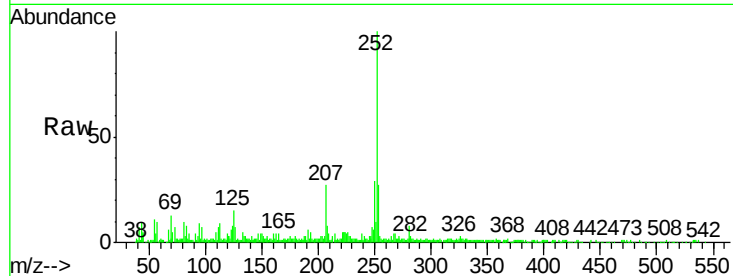
Instrument :

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P002-SS004-0612-01

Tgt Ion:	252	Resp:	142984
Ion	Ratio	Lower	Upper
252	100		
253	26.8	19.0	28.4
125	14.6	12.0	18.0



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.30 ng/ul

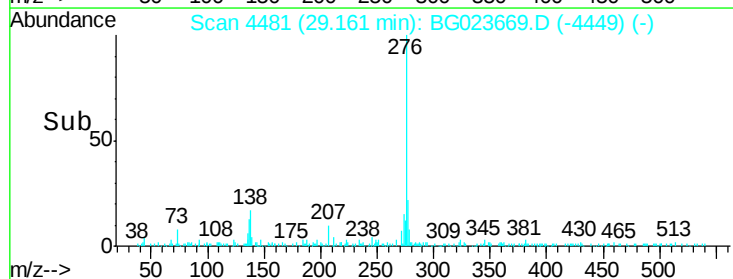
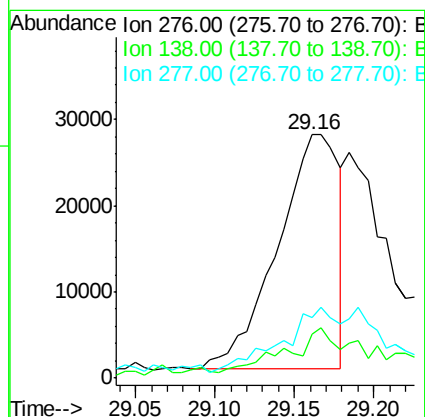
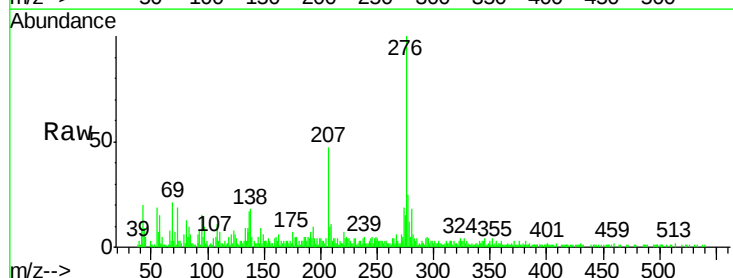
RT: 29.16 min Scan# 4481

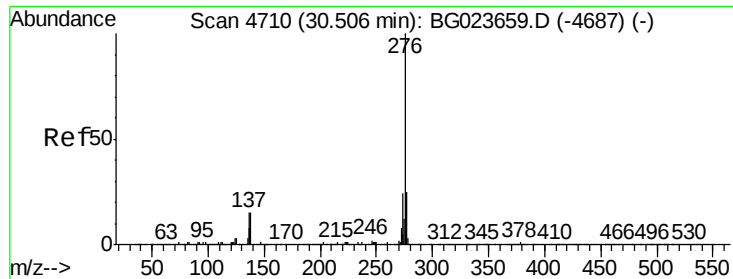
Delta R.T. -0.11 min

Lab File: BG023669.D

Acq: 12 Aug 2016 23:29

Tgt Ion:	276	Resp:	72748
Ion	Ratio	Lower	Upper
276	100		
138	18.0	20.8	31.2#
277	24.7	17.6	26.4





#91

Benzo(g,h,i)perylene

Concen: 1.21 ng/ul

RT: 30.39 min Scan# 4690

Delta R.T. -0.12 min

Lab File: BG023669.D

Acq: 12 Aug 2016 23:29

Instrument :

BNA_G

ClientSampleId :

P002-SS004-0612-01

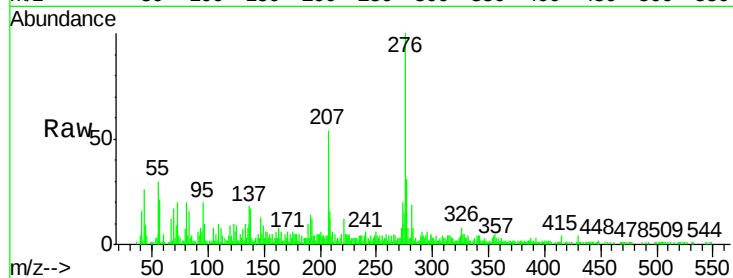
Tgt Ion:276 Resp: 56286

Ion Ratio Lower Upper

276 100

138 17.2 22.1 33.1#

277 31.4 17.0 25.4#



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

