

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023661.D
 Acq On : 12 Aug 2016 18:25
 Operator : UM/SJ
 Sample : H4384-19
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS001-0612-02

Quant Time: Aug 13 03:20:37 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	8.12	152	115786	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.95	136	543780	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.79	164	395434	20.00	ng/ul	-0.01
61) Phenanthrene-d10	17.56	188	933627	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	919074	20.00	ng/ul	-0.01
83) Perylene-d12	25.30	264	943858	20.00	ng/ul	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.49	96	6666	2.45	ng/uL	0.00
5) Phenol-d5	7.28	99	159628	13.69	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.43	67	102705	13.74	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.65	132	110509	13.89	ng/ul	-0.01
13) 4-Methylphenol-d8	8.83	113	133255	14.63	ng/ul	-0.01
19) Nitrobenzene-d5	9.30	128	65375	15.25	ng/ul	0.00
22) 2-Nitrophenol-d4	10.03	143	73083	14.85	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.58	165	140736	15.16	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	148978	13.68	ng/ul	-0.01
43) Dimethylphthalate-d6	14.18	166	527794	16.30	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	603227	16.55	ng/ul	0.00
51) 4-Nitrophenol-d4	15.01	143	75066	13.58	ng/ul	0.00
57) Fluorene-d10	15.79	176	484086	16.18	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.92	200	79538	13.28	ng/ul	0.00
70) Anthracene-d10	17.66	188	729787	17.35	ng/ul	0.00
76) Pyrene-d10	19.95	212	764489	16.43	ng/ul	-0.01
87) Benzo(a)pyrene-d12	25.06	264	738648	17.29	ng/ul	-0.03

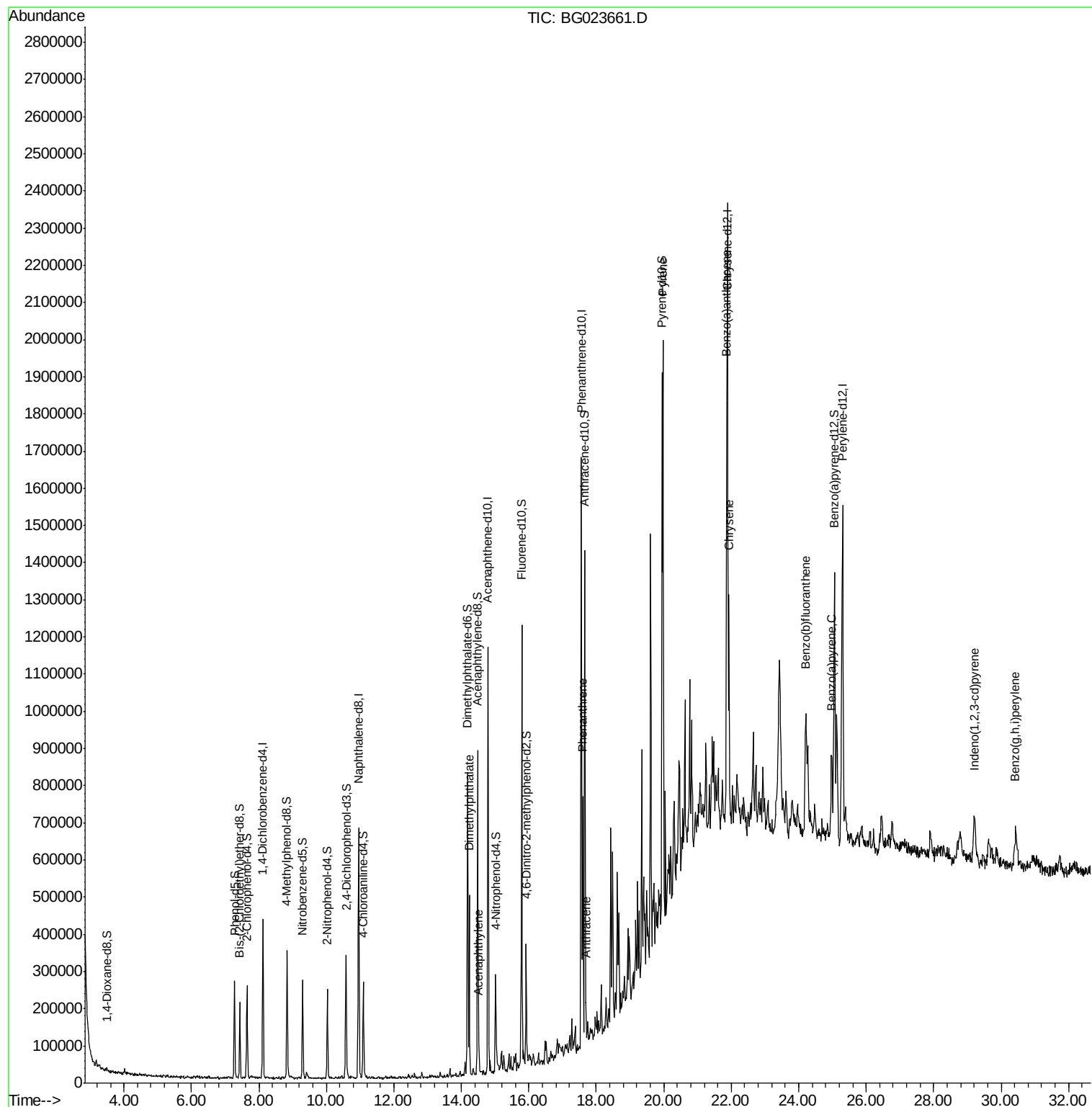
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
44) Dimethylphthalate	14.23	163	301068	9.39	ng/ul	98
47) Acenaphthylene	14.52	152	58077	1.52	ng/ul	95
69) Phenanthrene	17.60	178	423811	8.77	ng/ul	99
71) Anthracene	17.69	178	64994	1.32	ng/ul	98
77) Pyrene	19.98	202	871967	15.35	ng/ul#	90
80) Benzo(a)anthracene	21.86	228	413452	7.99	ng/ul	96
82) Chrysene	21.93	228	436778	9.28	ng/ul	94
85) Benzo(b)fluoranthene	24.21	252	393775	7.33	ng/ul#	89
88) Benzo(a)pyrene	24.97	252	248433	4.79	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	29.21	276	218859	3.59	ng/ul#	87
91) Benzo(g,h,i)perylene	30.43	276	202261	4.01	ng/ul#	81

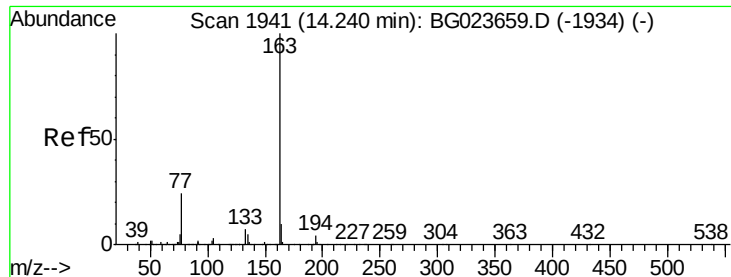
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#44

Dimethylphthalate

Concen: 9.39 ng/ul

RT: 14.23 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BG023661.D

Acq: 12 Aug 2016 18:25

Instrument :

BNA_G

ClientSampleId :

P002-SS001-0612-02

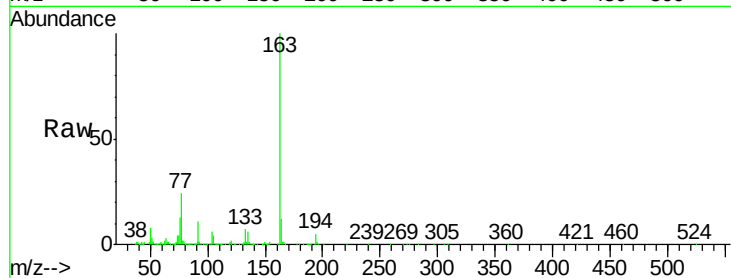
Tgt Ion:163 Resp: 301068

Ion Ratio Lower Upper

163 100

194 4.8 3.4 5.2

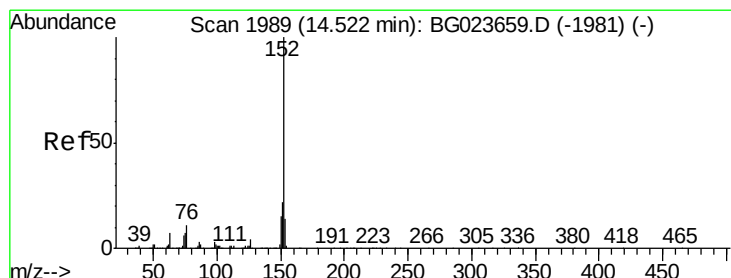
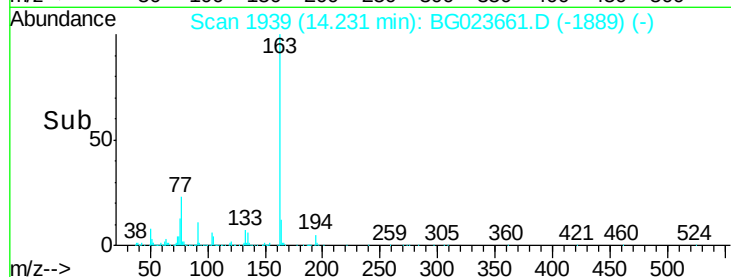
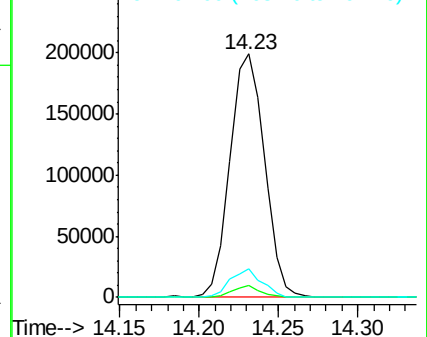
164 12.0 8.8 13.2



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



#47

Acenaphthylene

Concen: 1.52 ng/ul

RT: 14.52 min Scan# 1988

Delta R.T. -0.00 min

Lab File: BG023661.D

Acq: 12 Aug 2016 18:25

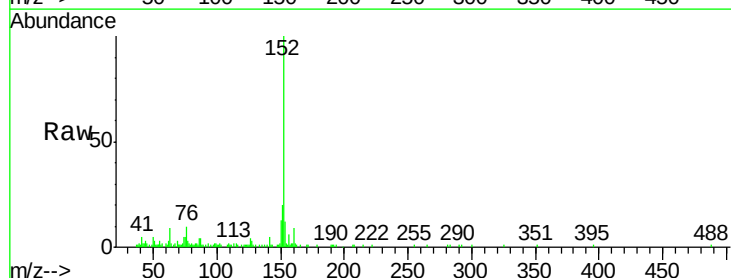
Tgt Ion:152 Resp: 58077

Ion Ratio Lower Upper

152 100

151 19.6 17.5 26.3

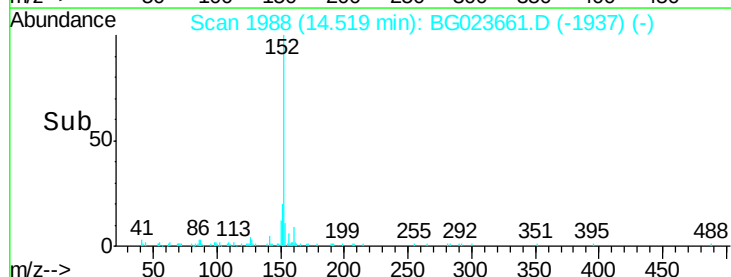
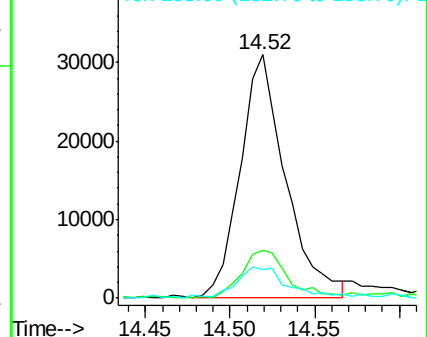
153 11.5 11.1 16.7

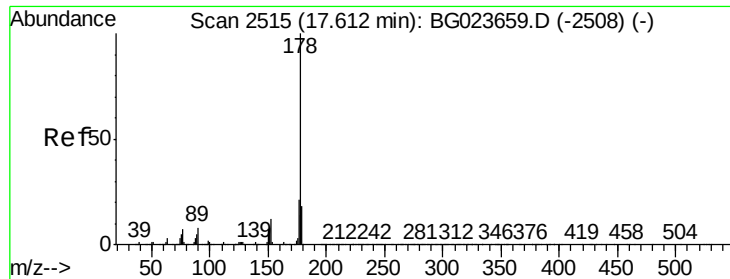


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#69

Phenanthrene

Concen: 8.77 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BG023661.D

Acq: 12 Aug 2016 18:25

Instrument :

BNA_G

ClientSampleId :

P002-SS001-0612-02

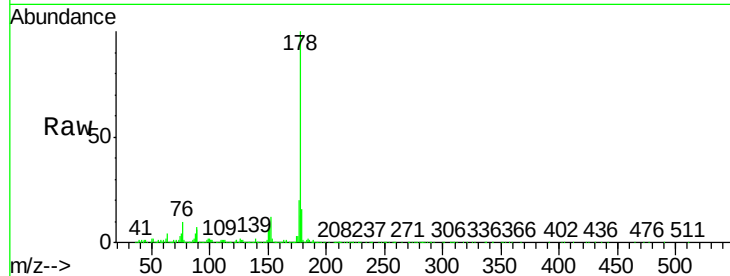
Tgt Ion:178 Resp: 423811

Ion Ratio Lower Upper

178 100

179 15.6 12.9 19.3

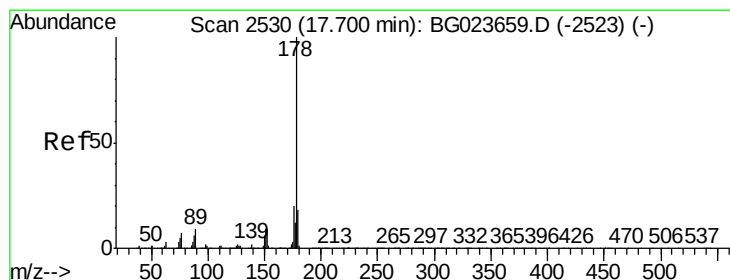
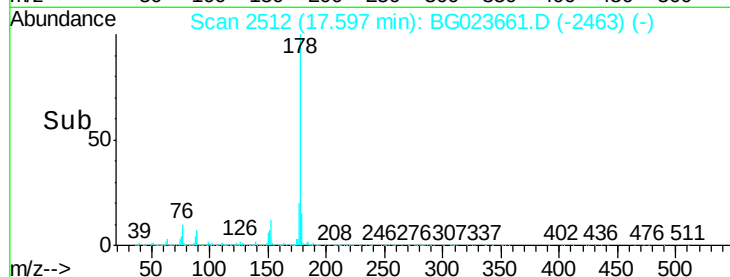
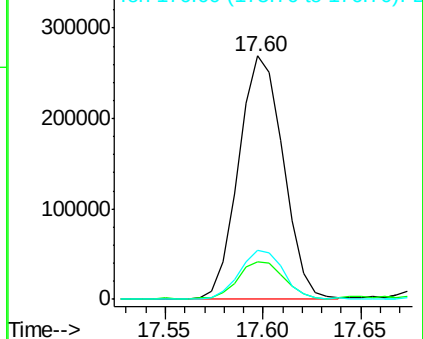
176 20.3 15.8 23.8



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: 1.32 ng/ul

RT: 17.69 min Scan# 2528

Delta R.T. -0.01 min

Lab File: BG023661.D

Acq: 12 Aug 2016 18:25

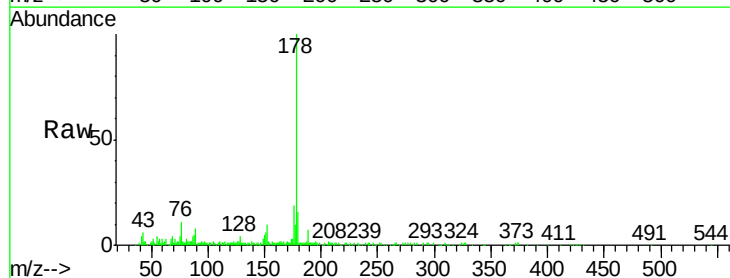
Tgt Ion:178 Resp: 64994

Ion Ratio Lower Upper

178 100

179 16.4 12.3 18.5

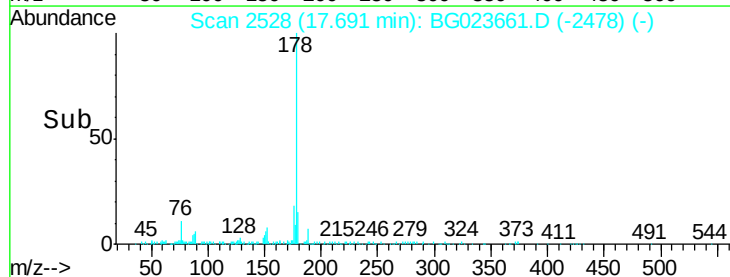
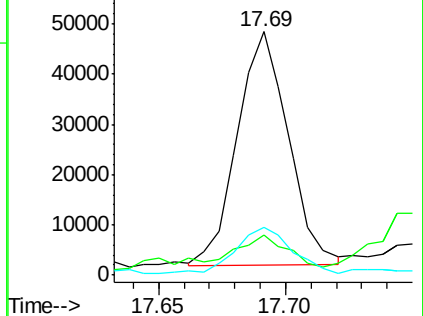
176 19.4 16.3 24.5

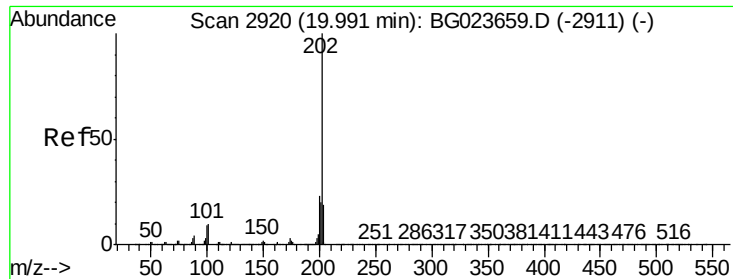


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#77

Pyrene

Concen: 15.35 ng/ul

RT: 19.98 min Scan# 2918

Delta R.T. -0.01 min

Lab File: BG023661.D

Acq: 12 Aug 2016 18:25

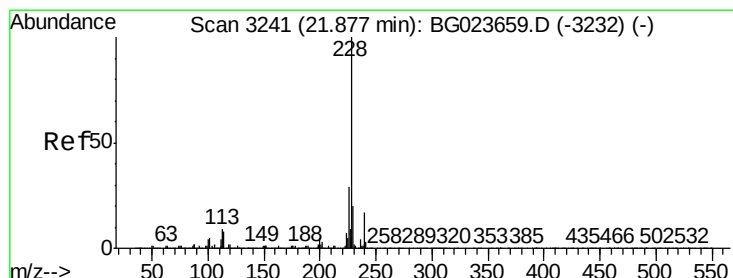
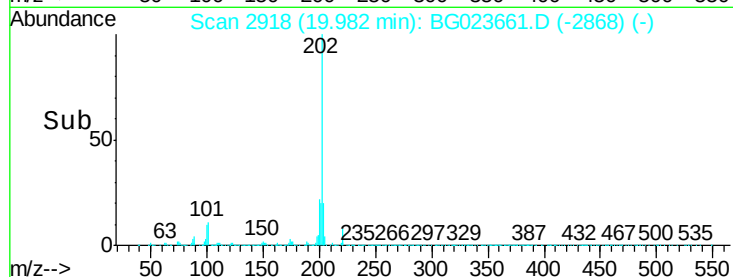
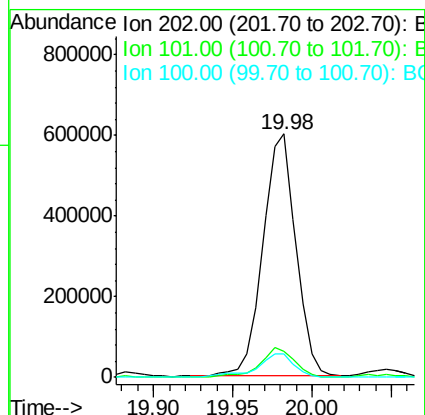
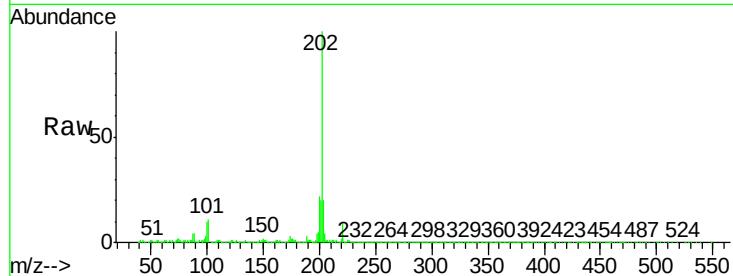
Instrument :

BNA_G

ClientSampleId :

P002-SS001-0612-02

Tgt Ion:	202	Resp:	871967
Ion Ratio	Lower	Upper	
202	100		
101	10.9	12.5	18.7#
100	9.7	10.2	15.4#



#80

Benzo(a)anthracene

Concen: 7.99 ng/ul

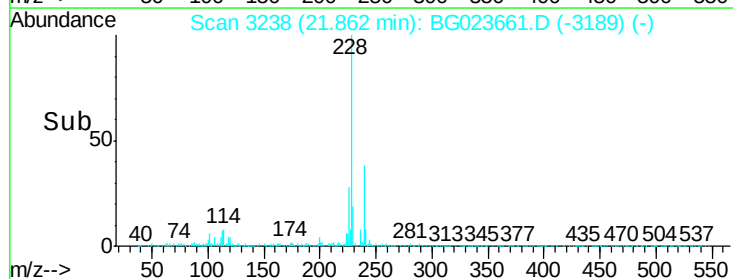
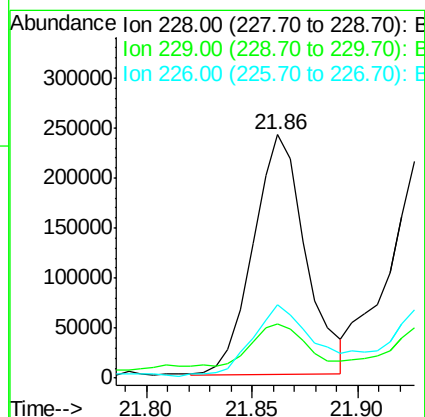
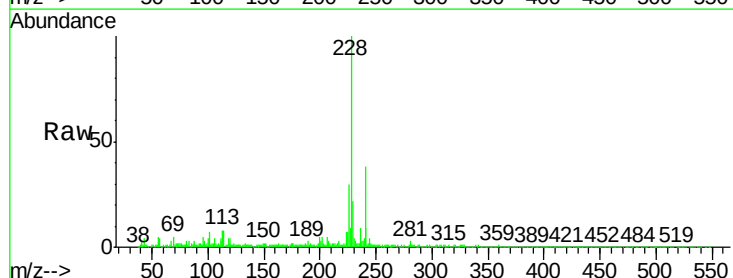
RT: 21.86 min Scan# 3238

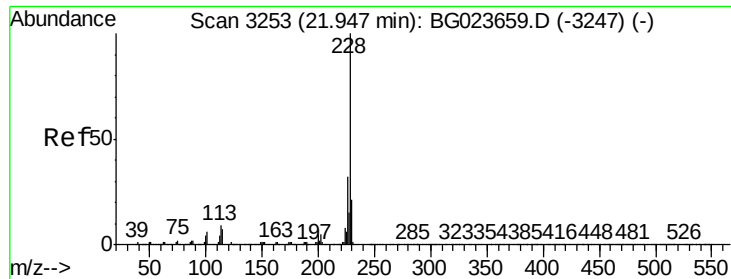
Delta R.T. -0.01 min

Lab File: BG023661.D

Acq: 12 Aug 2016 18:25

Tgt Ion:	228	Resp:	413452
Ion Ratio	Lower	Upper	
228	100		
229	22.3	15.4	23.2
226	29.9	22.8	34.2





#82

Chrysene

Concen: 9.28 ng/ul

RT: 21.93 min Scan# 3250

Delta R.T. -0.01 min

Lab File: BG023661.D

Acq: 12 Aug 2016 18:25

Instrument :

BNA_G

ClientSampleId :

P002-SS001-0612-02

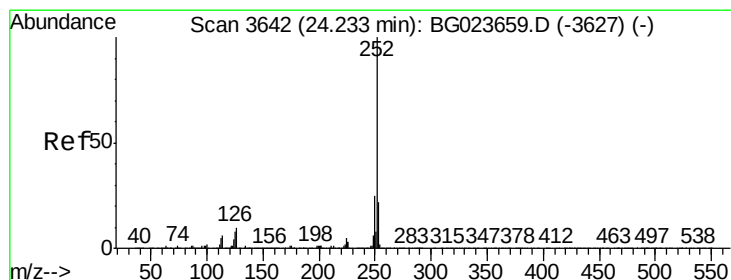
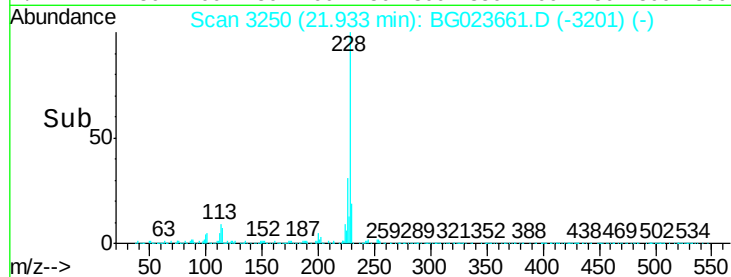
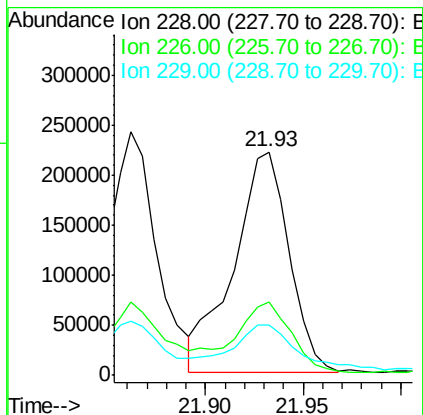
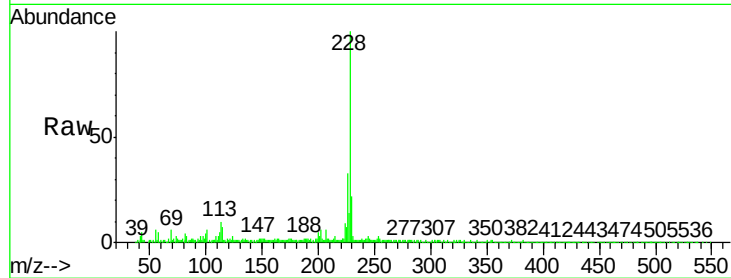
Tgt Ion: 228 Resp: 436778

Ion Ratio Lower Upper

228 100

226 32.9 24.2 36.4

229 22.3 15.0 22.6



#85

Benzo(b)fluoranthene

Concen: 7.33 ng/ul

RT: 24.21 min Scan# 3637

Delta R.T. -0.03 min

Lab File: BG023661.D

Acq: 12 Aug 2016 18:25

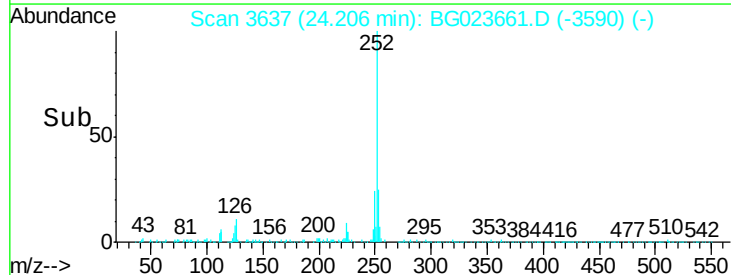
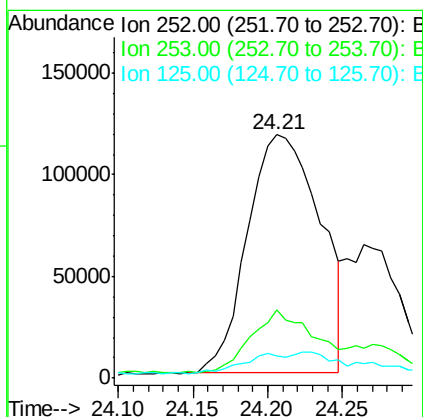
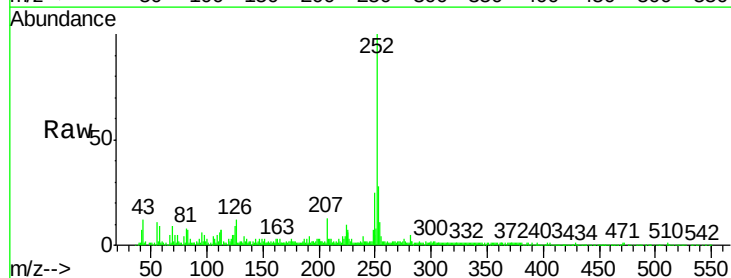
Tgt Ion: 252 Resp: 393775

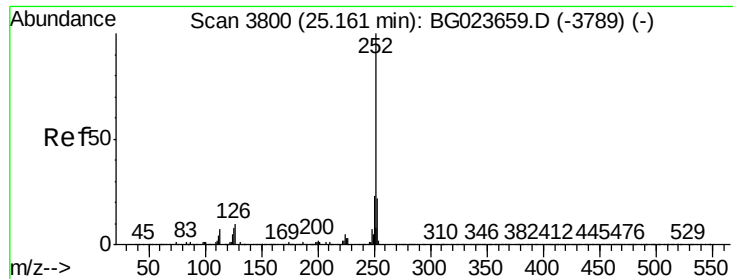
Ion Ratio Lower Upper

252 100

253 28.1 18.2 27.2#

125 9.3 10.8 16.2#





#88

Benzo(a)pyrene

Concen: 4.79 ng/ul

RT: 24.97 min Scan# 3767

Delta R.T. -0.19 min

Lab File: BG023661.D

Acq: 12 Aug 2016 18:25

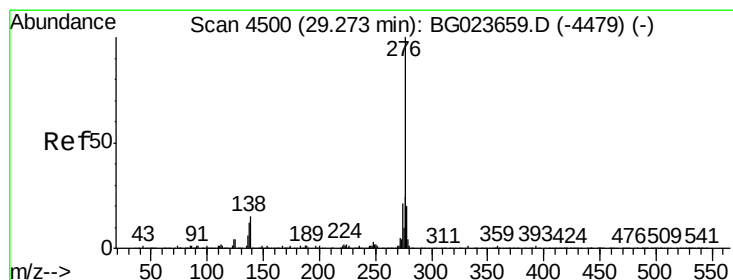
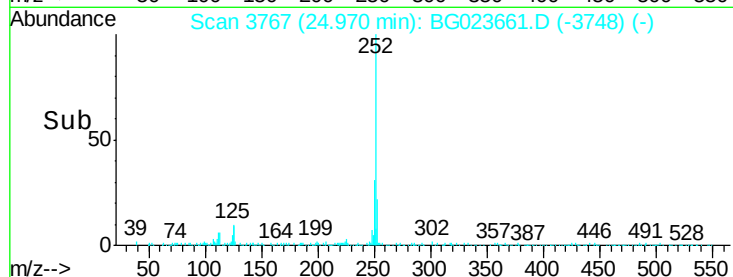
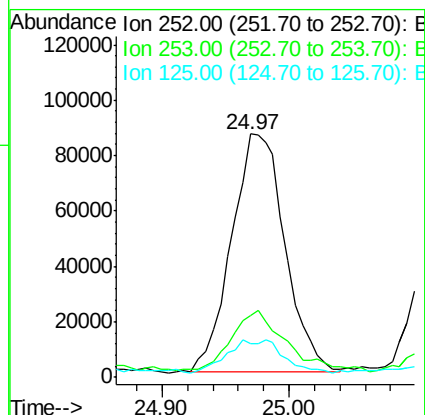
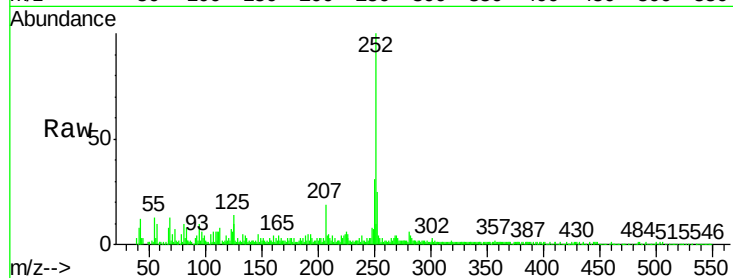
Instrument :

BNA_G

ClientSampleId :

P002-SS001-0612-02

Tgt Ion:	252	Resp:	248433
Ion Ratio		Lower	Upper
252	100		
253	25.2	19.0	28.4
125	13.7	12.0	18.0



#89

Indeno(1,2,3-cd)pyrene

Concen: 3.59 ng/ul

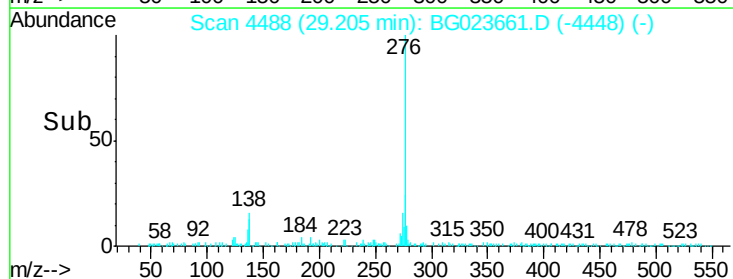
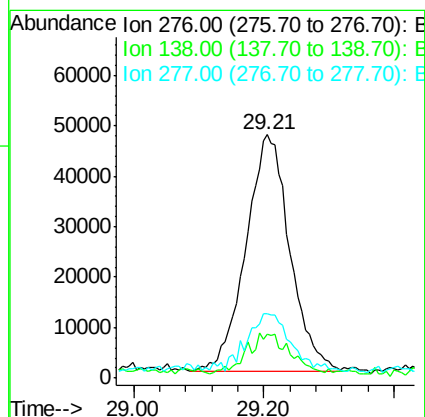
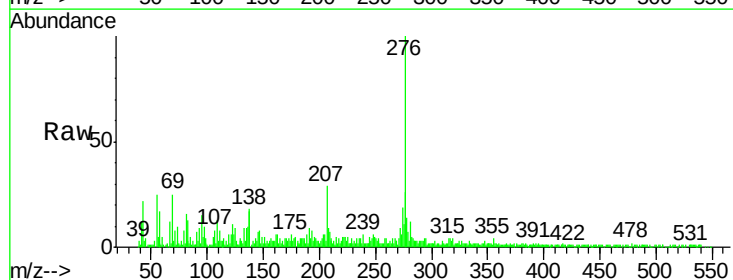
RT: 29.21 min Scan# 4488

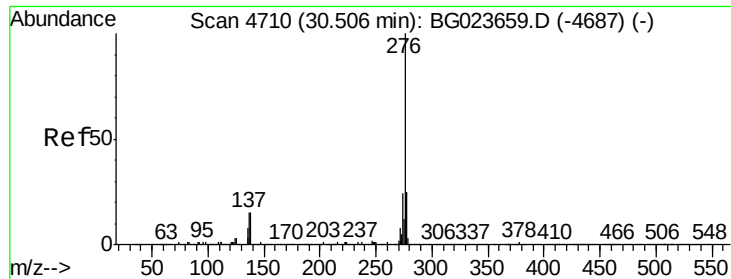
Delta R.T. -0.07 min

Lab File: BG023661.D

Acq: 12 Aug 2016 18:25

Tgt Ion:	276	Resp:	218859
Ion Ratio		Lower	Upper
276	100		
138	17.9	20.8	31.2#
277	26.3	17.6	26.4





#91

Benzo(g,h,i)perylene

Concen: 4.01 ng/ul

RT: 30.43 min Scan# 4696

Delta R.T. -0.08 min

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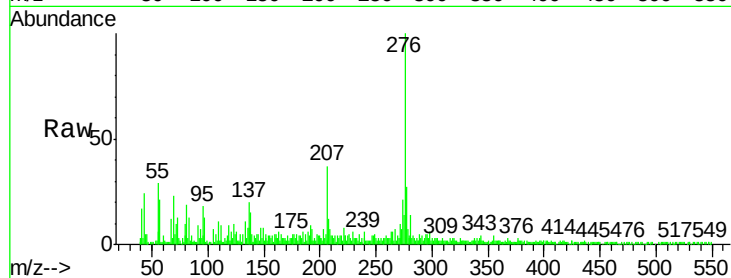
Tgt Ion: 276 Resp: 202261

Ion Ratio Lower Upper

276 100

138 14.7 22.1 33.1#

277 27.0 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

