

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
 Data File : BG023632.D
 Acq On : 11 Aug 2016 21:34
 Operator : UM/SJ
 Sample : H4360-17 4X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS003-2430-01

Quant Time: Aug 12 04:36:09 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 12 04:34:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	157804	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.95	136	733872	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.78	164	489084	20.00	ng/ul	-0.01
61) Phenanthrene-d10	17.55	188	1064697	20.00	ng/ul	-0.01
75) Chrysene-d12	21.87	240	1075809	20.00	ng/ul	-0.01
83) Perylene-d12	25.26	264	1131624	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	898	0.24	ng/uL	-0.01
5) Phenol-d5	7.27	99	54599	3.43	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.42	67	36218	3.56	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	37554	3.46	ng/ul	-0.02
13) 4-Methylphenol-d8	8.83	113	36832	2.97	ng/ul	-0.02
19) Nitrobenzene-d5	9.28	128	18229	3.15	ng/ul	-0.02
22) 2-Nitrophenol-d4	10.02	143	26343	3.97	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.58	165	42639	3.40	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	27721	1.89	ng/ul	-0.02
43) Dimethylphthalate-d6	14.18	166	149035	3.72	ng/ul	-0.01
46) Acenaphthylene-d8	14.48	160	171353	3.80	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.96	143	209	0.03	ng/ul	-0.04
57) Fluorene-d10	15.78	176	134722	3.64	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.91	200	9410	1.38	ng/ul	0.00
70) Anthracene-d10	17.64	188	190716	3.98	ng/ul	-0.02
76) Pyrene-d10	19.94	212	199231	3.66	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.03	264	186615	3.64	ng/ul	-0.02

Target Compounds

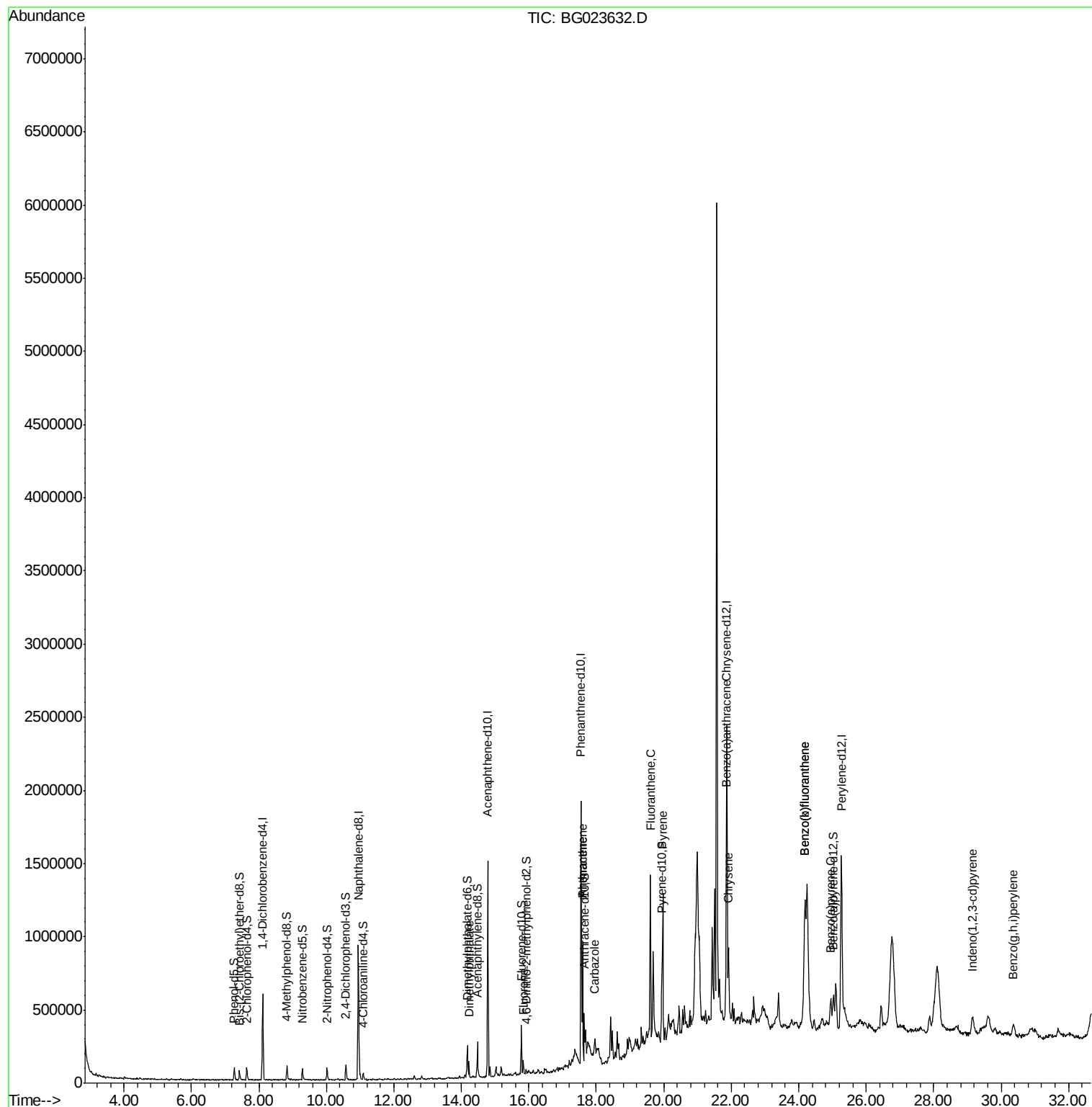
						Qvalue
44) Dimethylphthalate	14.22	163	65884	1.66	ng/ul#	96
58) Fluorene	15.83	166	44282	1.12	ng/ul	98
69) Phenanthrene	17.59	178	516655	9.37	ng/ul	98
71) Anthracene	17.59	178	516655	9.18	ng/ul	98
72) Carbazole	17.96	167	50945	1.12	ng/ul#	93
74) Fluoranthene	19.61	202	678436	12.02	ng/ul#	90
77) Pyrene	19.97	202	630975	9.49	ng/ul	94
80) Benzo(a)anthracene	21.85	228	363322	6.00	ng/ul	97
82) Chrysene	21.92	228	344883	6.26	ng/ul	96
85) Benzo(b)fluoranthene	24.18	252	411511	6.39	ng/ul#	97
86) Benzo(k)fluoranthene	24.18	252	411511	6.49	ng/ul	93
88) Benzo(a)pyrene	24.95	252	200255	3.22	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	29.15	276	200908	2.75	ng/ul#	85
91) Benzo(g,h,i)perylene	30.36	276	94296	1.56	ng/ul#	82

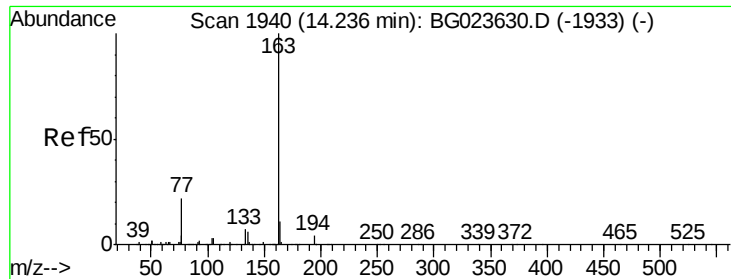
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#44

Dimethylphthalate

Concen: 1.66 ng/ul

RT: 14.22 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG023632.D

Acq: 11 Aug 2016 21:34

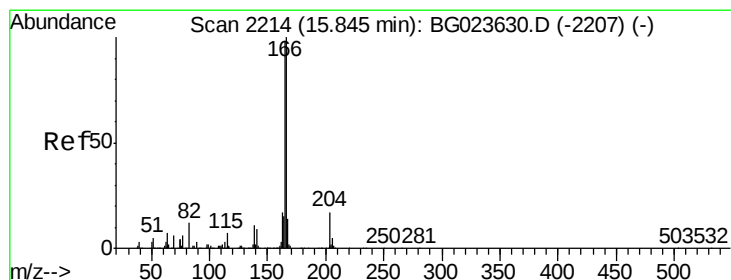
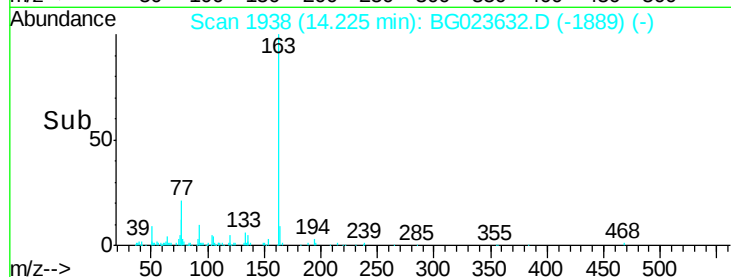
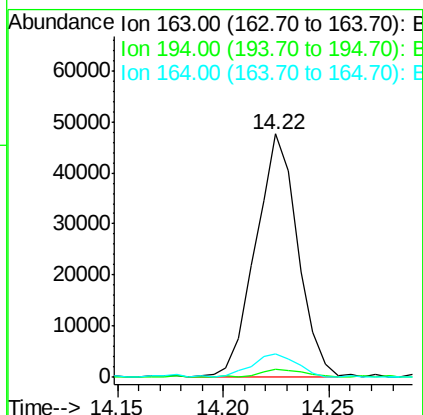
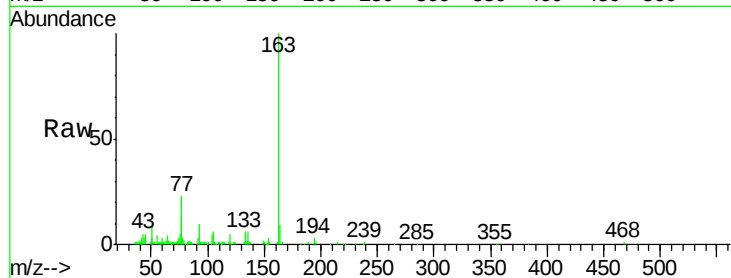
Instrument :

BNA_G

ClientSampleId :

PR001-SS003-2430-01

Tgt Ion:	163	Resp:	65884
Ion Ratio		Lower	Upper
163	100		
194	3.1	3.4	5.2#
164	9.5	8.8	13.2



#58

Fluorene

Concen: 1.12 ng/ul

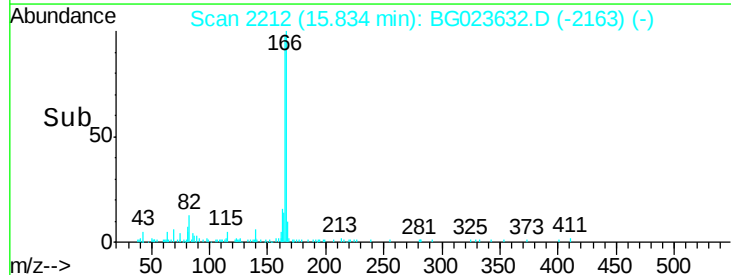
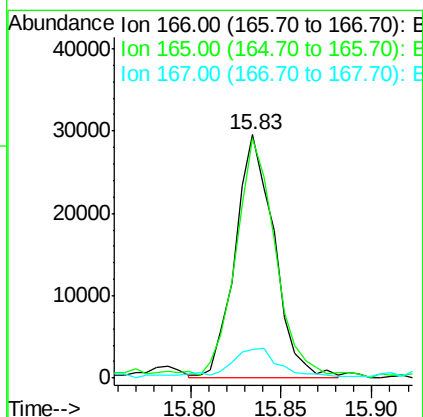
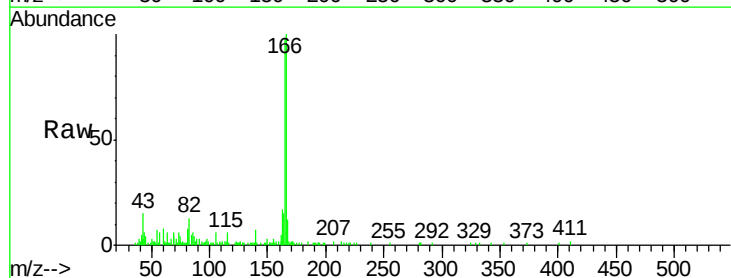
RT: 15.83 min Scan# 2212

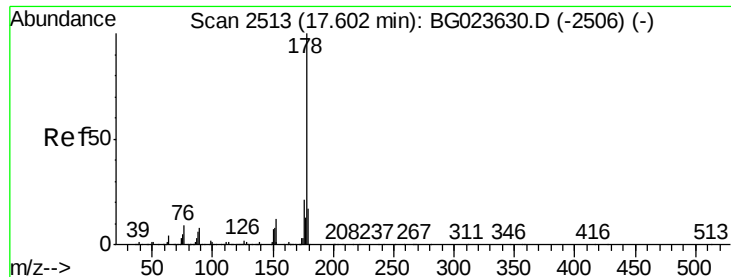
Delta R.T. -0.01 min

Lab File: BG023632.D

Acq: 11 Aug 2016 21:34

Tgt Ion:	166	Resp:	44282
Ion Ratio		Lower	Upper
166	100		
165	98.3	80.3	120.5
167	11.6	10.3	15.5





#69

Phenanthrene

Concen: 9.37 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. -0.01 min

Lab File: BG023632.D

Acq: 11 Aug 2016 21:34

Instrument :

BNA_G

ClientSampleId :

PR001-SS003-2430-01

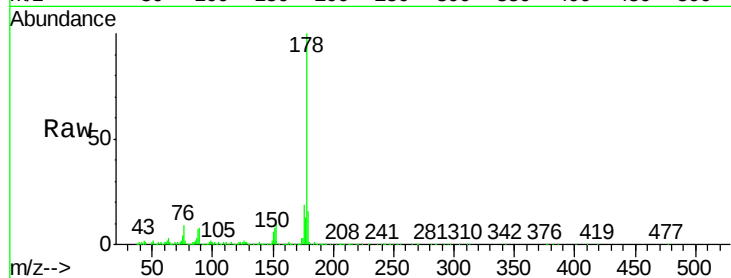
Tgt Ion:178 Resp: 516655

Ion Ratio Lower Upper

178 100

179 15.6 12.9 19.3

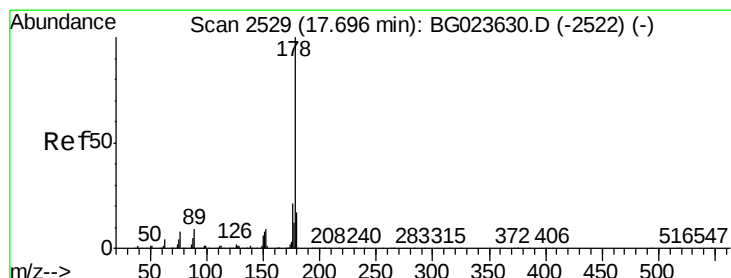
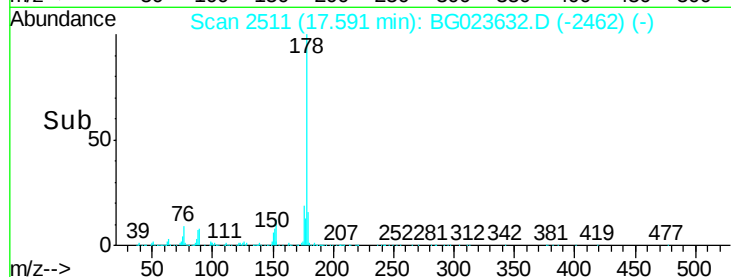
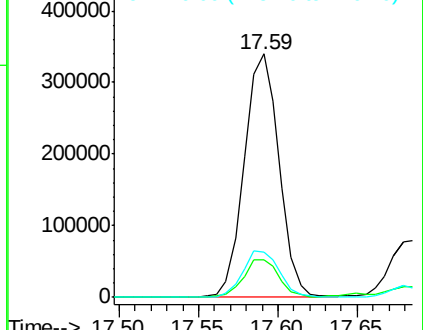
176 18.6 15.8 23.8



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: 9.18 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. -0.10 min

Lab File: BG023632.D

Acq: 11 Aug 2016 21:34

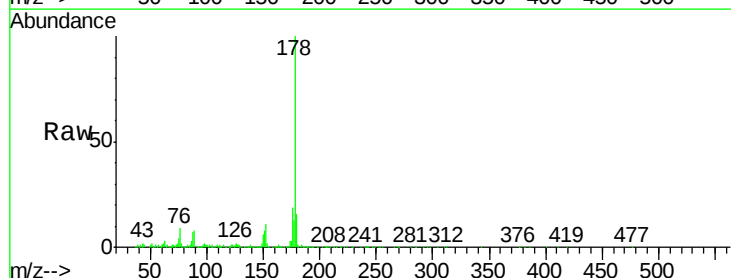
Tgt Ion:178 Resp: 516655

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

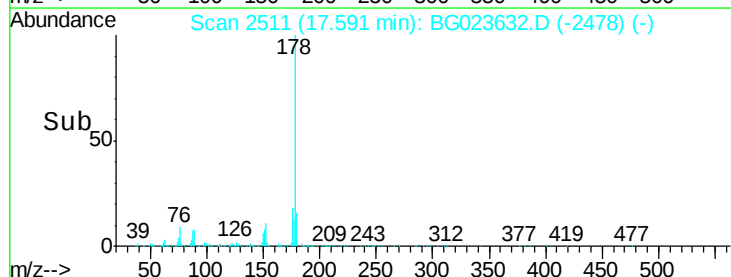
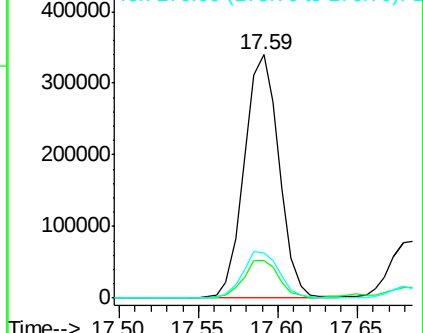
176 18.6 16.3 24.5

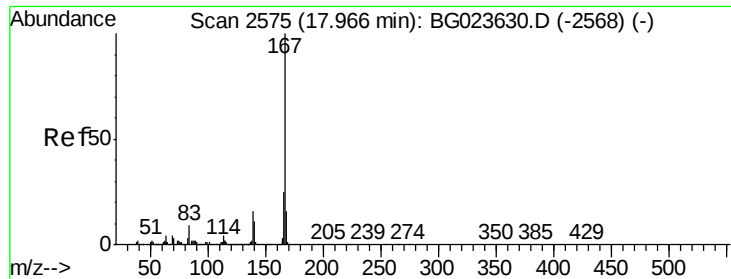


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.12 ng/ul

RT: 17.96 min Scan# 2573

Delta R.T. -0.01 min

Lab File: BG023632.D

Acq: 11 Aug 2016 21:34

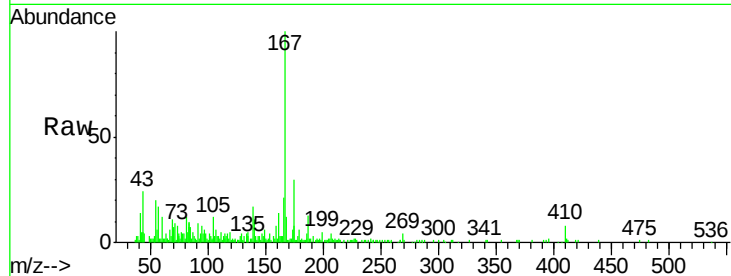
Instrument :

BNA_G

ClientSampleId :

PR001-SS003-2430-01

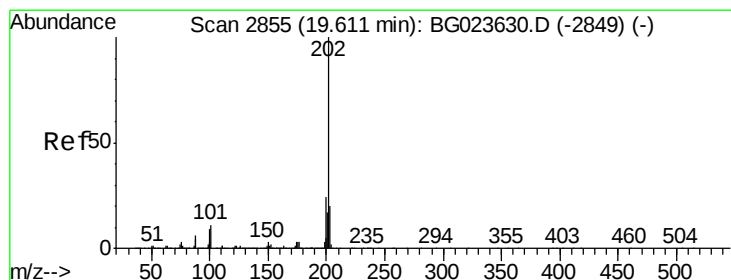
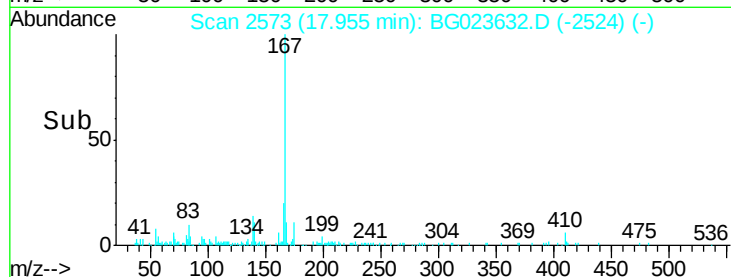
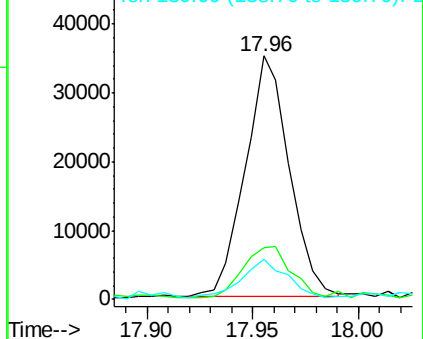
Tgt Ion:	167	Resp:	50945
Ion Ratio	Lower	Upper	
167	100		
166	21.1	19.2	28.8
139	16.6	10.2	15.4#



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: 12.02 ng/ul

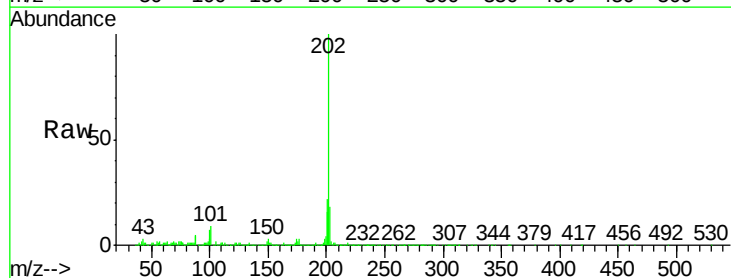
RT: 19.61 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG023632.D

Acq: 11 Aug 2016 21:34

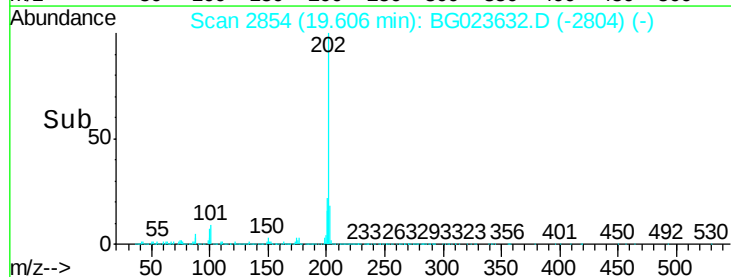
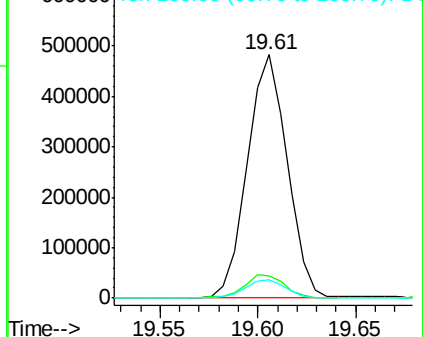
Tgt Ion:	202	Resp:	678436
Ion Ratio	Lower	Upper	
202	100		
101	9.0	10.6	16.0#
100	7.3	8.7	13.1#

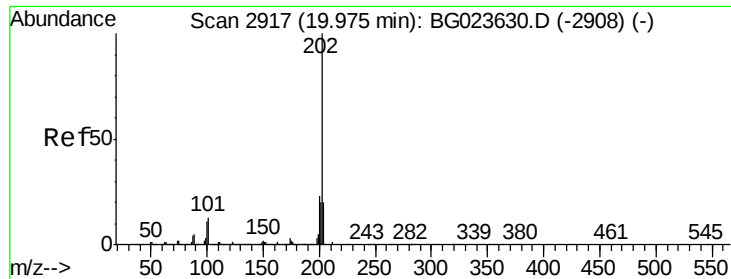


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pyrene

Concen: 9.49 ng/ul

RT: 19.97 min Scan# 2916

Delta R.T. -0.01 min

Lab File: BG023632.D

Acq: 11 Aug 2016 21:34

Instrument :

BNA_G

ClientSampleId :

PR001-SS003-2430-01

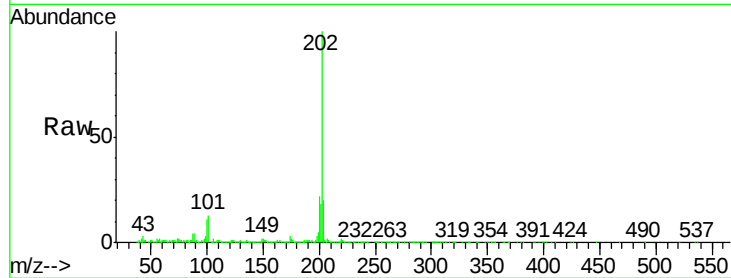
Tgt Ion:202 Resp: 630975

Ion Ratio Lower Upper

202 100

101 12.9 12.5 18.7

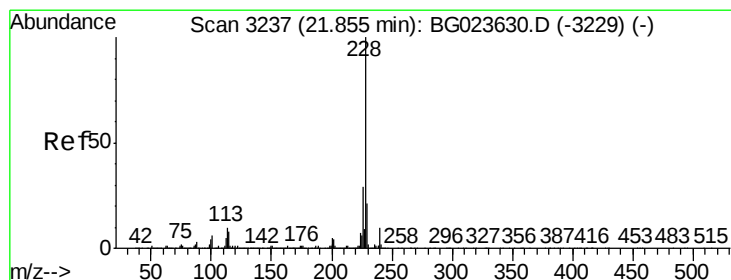
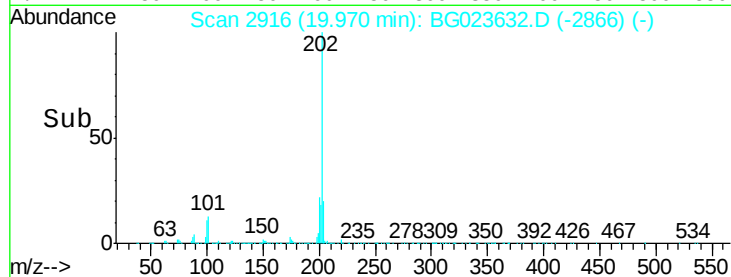
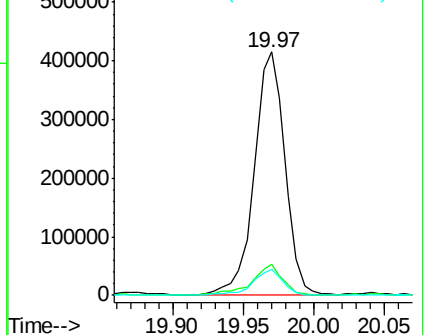
100 10.7 10.2 15.4



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): B



#80

Benzo(a)anthracene

Concen: 6.00 ng/ul

RT: 21.85 min Scan# 3236

Delta R.T. -0.01 min

Lab File: BG023632.D

Acq: 11 Aug 2016 21:34

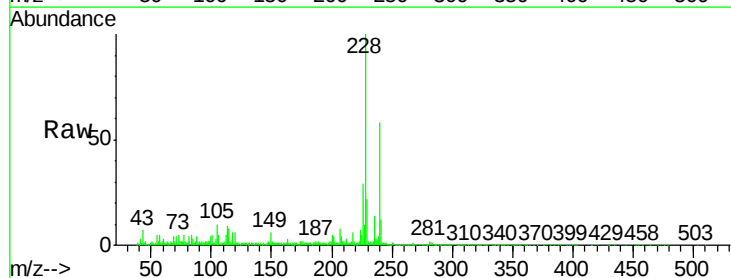
Tgt Ion:228 Resp: 363322

Ion Ratio Lower Upper

228 100

229 22.4 15.4 23.2

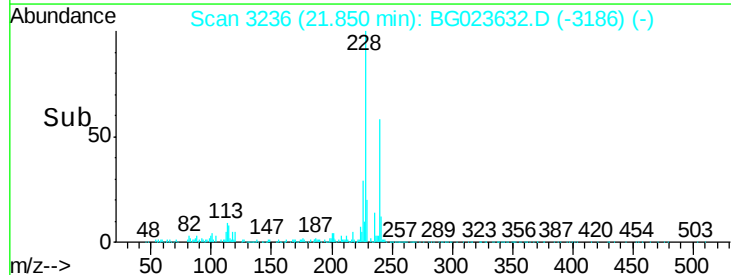
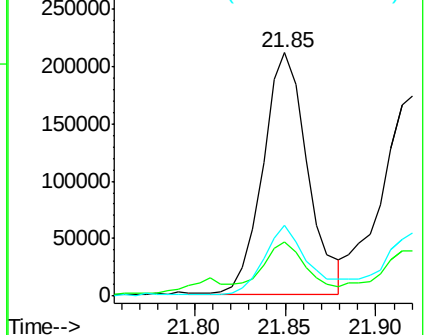
226 28.9 22.8 34.2

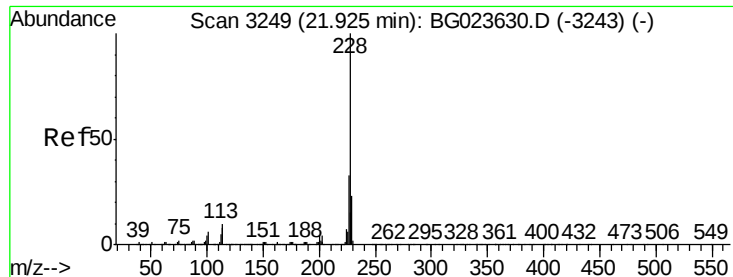


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 6.26 ng/ul

RT: 21.92 min Scan# 3248

Delta R.T. -0.01 min

Lab File: BG023632.D

Acq: 11 Aug 2016 21:34

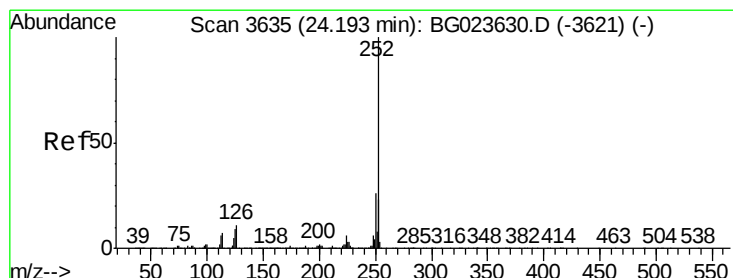
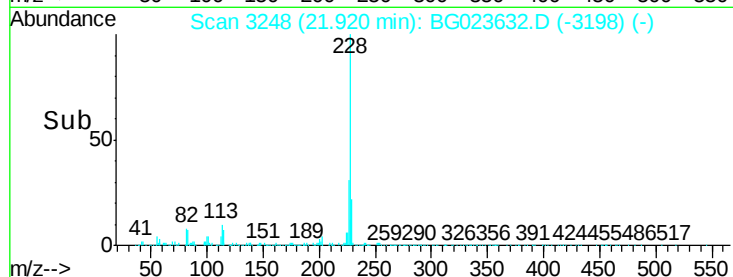
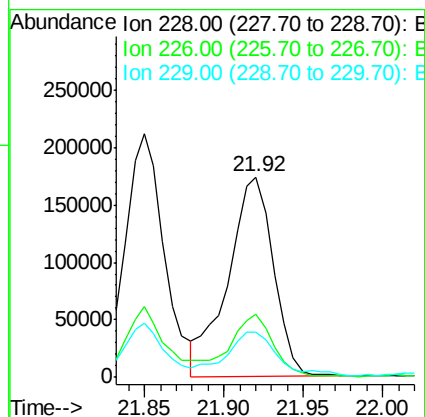
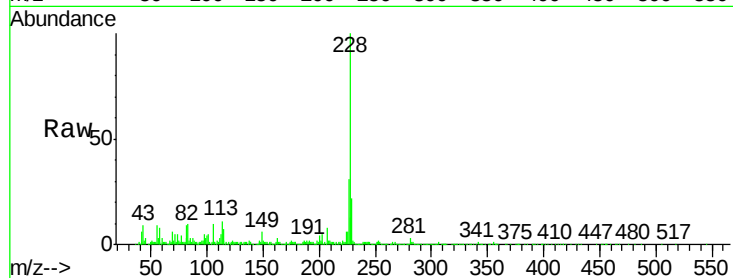
Instrument :

BNA_G

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Tgt Ion:	228	Resp:	344883
Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.2	36.4
229	22.5	15.0	22.6



#85

Benzo(b)fluoranthene

Concen: 6.39 ng/ul

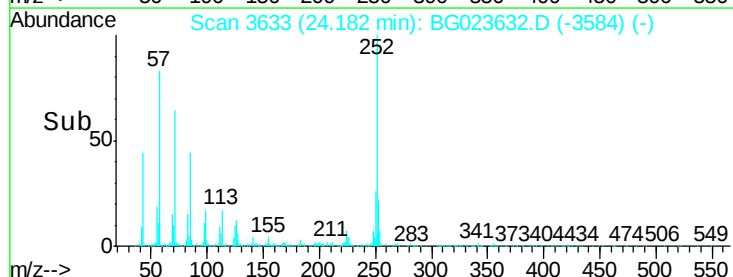
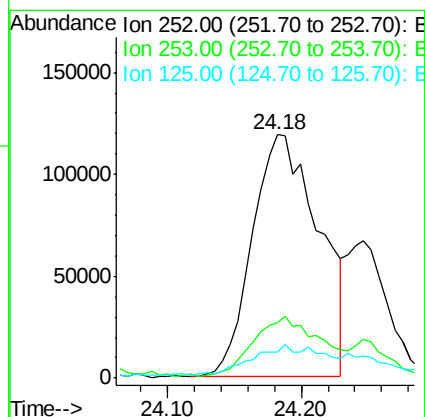
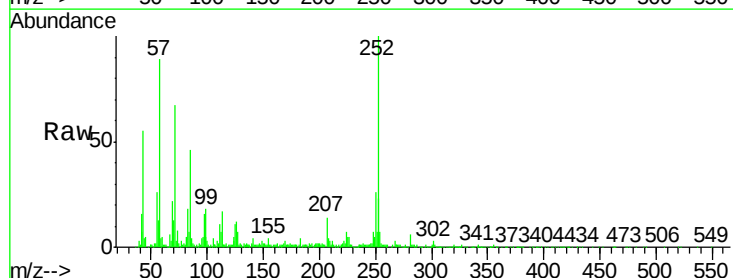
RT: 24.18 min Scan# 3633

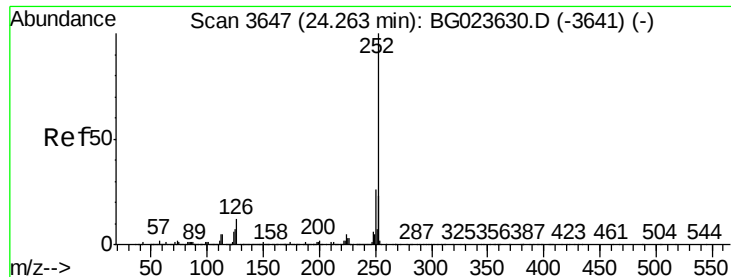
Delta R.T. -0.01 min

Lab File: BG023632.D

Acq: 11 Aug 2016 21:34

Tgt Ion:	252	Resp:	411511
Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	10.7	10.8	16.2#





#86

Benzo(k)fluoranthene

Concen: 6.49 ng/ul

RT: 24.18 min Scan# 3633

Delta R.T. -0.08 min

Lab File: BG023632.D

Acq: 11 Aug 2016 21:34

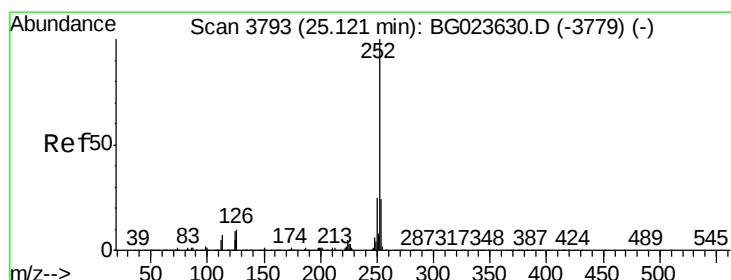
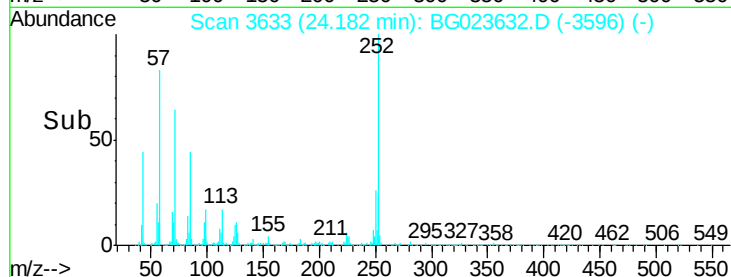
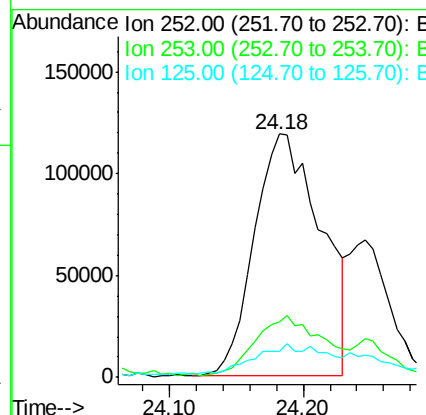
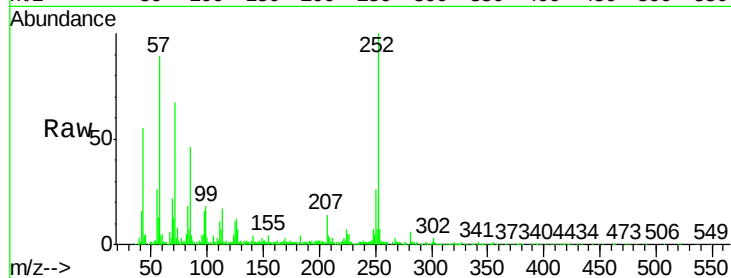
Instrument :

BNA_G

ClientSampleId :

PR001-SS003-2430-01

Tgt Ion:	252	Resp:	411511
Ion Ratio	Lower	Upper	
252	100		
253	23.0	15.8	23.6
125	10.7	10.6	16.0



#88

Benzo(a)pyrene

Concen: 3.22 ng/ul

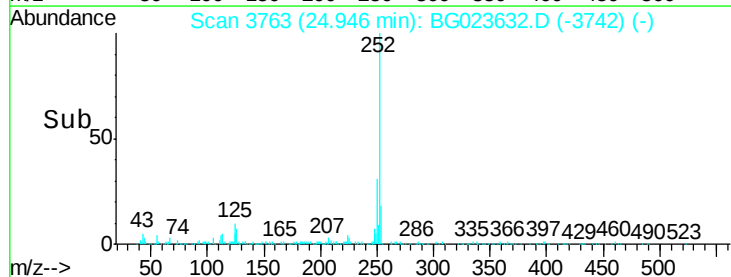
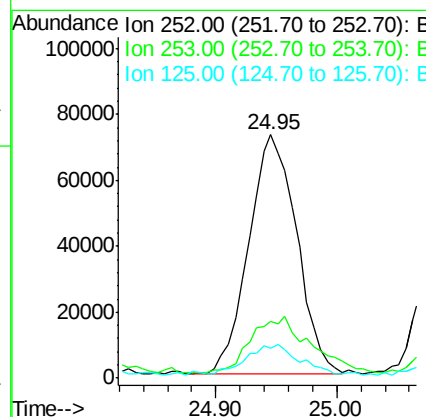
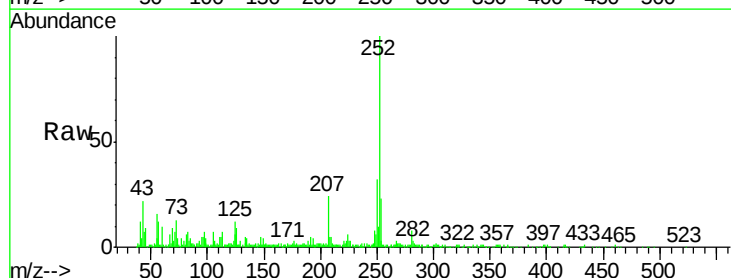
RT: 24.95 min Scan# 3763

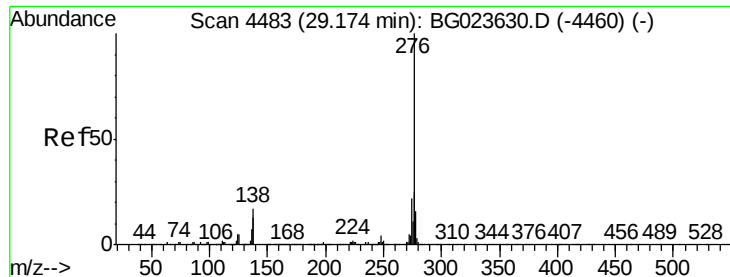
Delta R.T. -0.18 min

Lab File: BG023632.D

Acq: 11 Aug 2016 21:34

Tgt Ion:	252	Resp:	200255
Ion Ratio	Lower	Upper	
252	100		
253	23.1	19.0	28.4
125	12.4	12.0	18.0





#89

Indeno(1,2,3-cd)pyrene

Concen: 2.75 ng/ul

RT: 29.15 min Scan# 4479

Delta R.T. -0.02 min

Lab File: BG023632.D

Acq: 11 Aug 2016 21:34

Instrument :

BNA_G

ClientSampleId :

PR001-SS003-2430-01

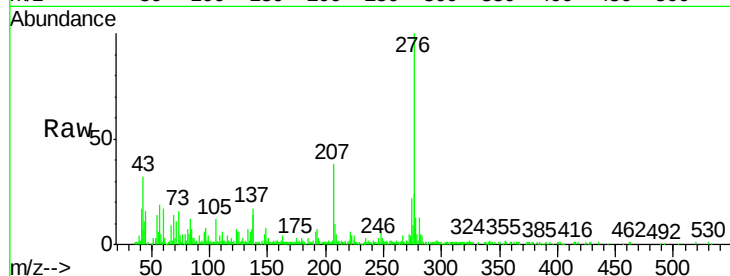
Tgt Ion: 276 Resp: 200908

Ion Ratio Lower Upper

276 100

138 14.2 20.8 31.2#

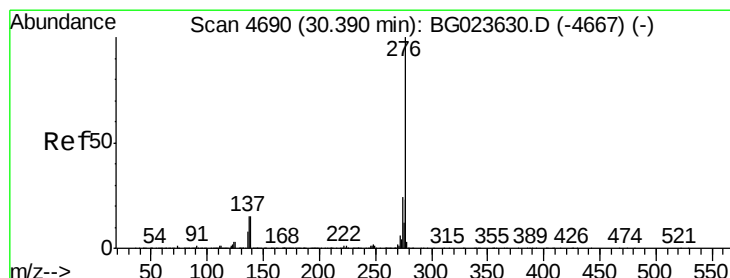
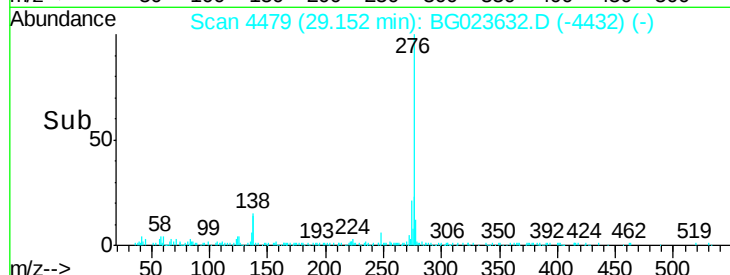
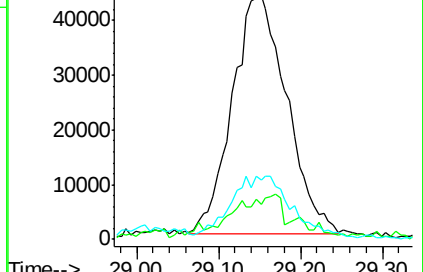
277 24.2 17.6 26.4



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



#91

Benzo(g,h,i)perylene

Concen: 1.56 ng/ul

RT: 30.36 min Scan# 4685

Delta R.T. -0.03 min

Lab File: BG023632.D

Acq: 11 Aug 2016 21:34

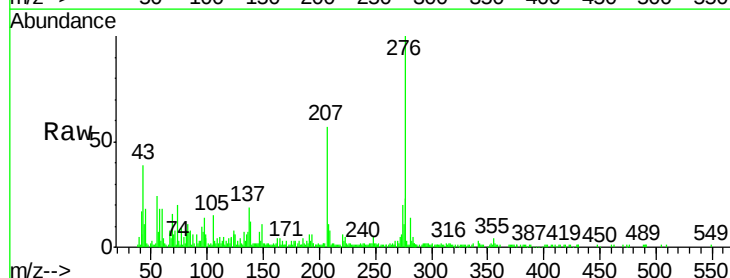
Tgt Ion: 276 Resp: 94296

Ion Ratio Lower Upper

276 100

138 12.3 22.1 33.1#

277 23.3 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

