

Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
 Data File : BG028439.D
 Acq On : 23 Aug 2017 5:17
 Operator : SJ/JU
 Sample : I4713-21
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E7GD1

Quant Time: Aug 23 07:13:17 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 23 07:06:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.35	152	45801	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	213059	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	144379	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.70	188	324990	20.00	ng/ul	0.00
75) Chrysene-d12	22.04	240	362439	20.00	ng/ul	0.00
83) Perylene-d12	25.55	264	355843	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.82	96	3663	3.72	ng/uL	0.00
5) Phenol-d5	7.49	99	105528	20.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.66	67	63468	19.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.88	132	76945	24.25	ng/ul	0.00
13) 4-Methylphenol-d8	9.04	113	84218	20.03	ng/ul	0.00
19) Nitrobenzene-d5	9.52	128	42054	25.24	ng/ul	0.00
22) 2-Nitrophenol-d4	10.24	143	49975	27.36	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.78	165	97141	25.70	ng/ul	0.00
29) 4-Chloroaniline-d4	11.30	131	69931	16.62	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	317479	24.72	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	368391	25.44	ng/ul	0.00
51) 4-Nitrophenol-d4	15.15	143	28366	13.89	ng/ul	0.00
57) Fluorene-d10	15.94	176	274152	23.80	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.06	200	32588	15.44	ng/ul	0.00
70) Anthracene-d10	17.80	188	414279	26.58	ng/ul	0.00
76) Pyrene-d10	20.07	212	480784	25.87	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.31	264	459497	27.58	ng/ul	0.01

Target Compounds

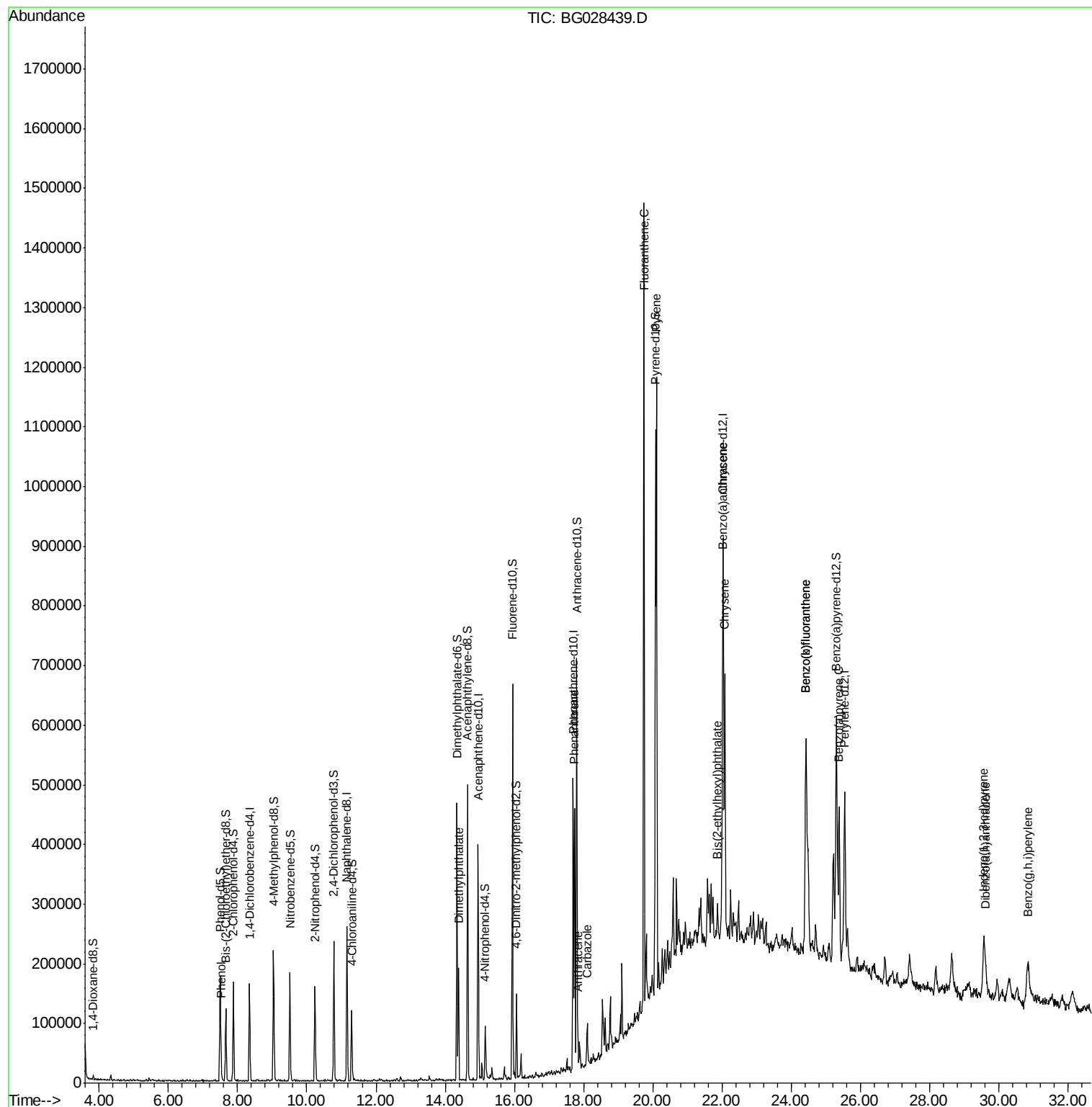
					Ovalue	
6) Phenol	7.52	94	12264	2.453	ng/ul	93
44) Dimethylphthalate	14.39	163	117616	9.947	ng/ul	98
69) Phenanthrene	17.75	178	285783	17.473	ng/ul	99
71) Anthracene	17.84	178	31546	1.887	ng/ul	95
72) Carbazole	18.11	167	46565	3.203	ng/ul	99
74) Fluoranthene	19.75	202	884871	44.518	ng/ul	99
77) Pyrene	20.11	202	686061	31.728	ng/ul	97
80) Benzo(a)anthracene	22.01	228	290746	13.884	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.87	149	17368	1.508	ng/ul#	87
82) Chrysene	22.08	228	372843	19.769	ng/ul	97
85) Benzo(b)fluoranthene	24.43	252	517421	24.299	ng/ul#	97
86) Benzo(k)fluoranthene	24.43	252	517421	24.876	ng/ul#	98
88) Benzo(a)pyrene	25.38	252	309312	15.002	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	29.57	276	220182	9.120	ng/ul	99
90) Dibenzo(a,h)anthracene	29.61	278	25453	1.258	ng/ul#	91
91) Benzo(g,h,i)perylene	30.84	276	200576	10.098	ng/ul	98

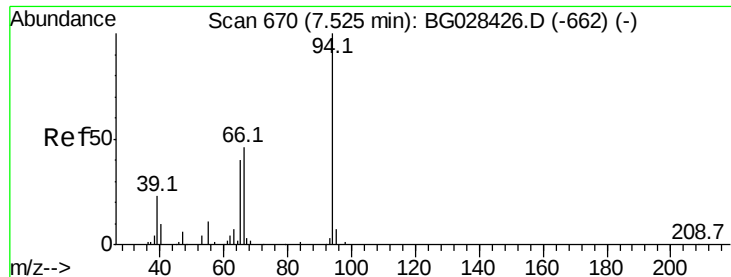
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 2.453 ng/ul

RT: 7.52 min Scan# 670

Delta R.T. -0.00 min

Lab File: BG028439.D

Acq: 23 Aug 2017 5:17

Instrument :

BNA_G

ClientSampleId :

E7GD1

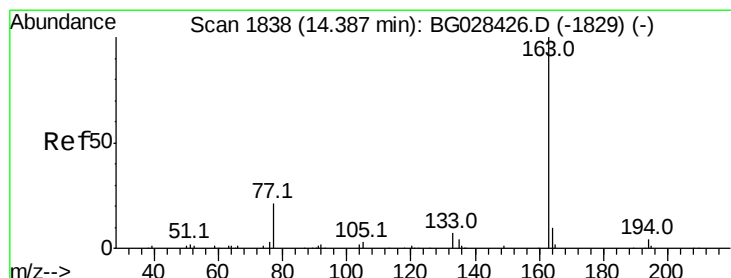
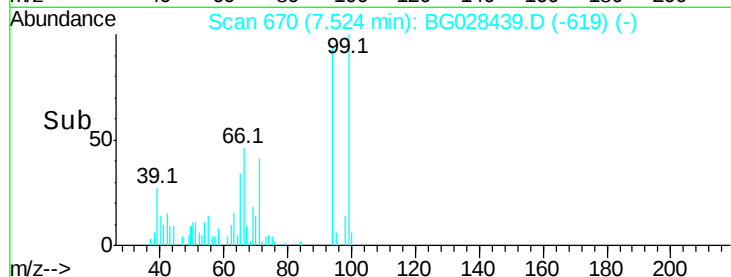
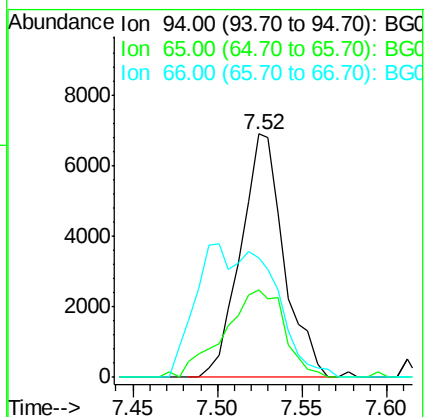
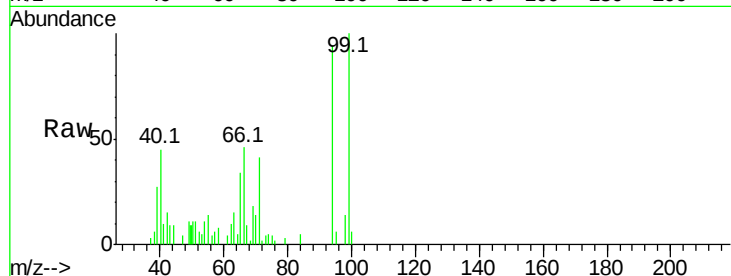
Tot Ion: 94 Resp: 12264

Ion Ratio Lower Upper

94 100

65 35.7 26.8 40.2

66 49.2 44.4 66.6



#44

Dimethylphthalate

Concen: 9.947 ng/ul

RT: 14.39 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BG028439.D

Acq: 23 Aug 2017 5:17

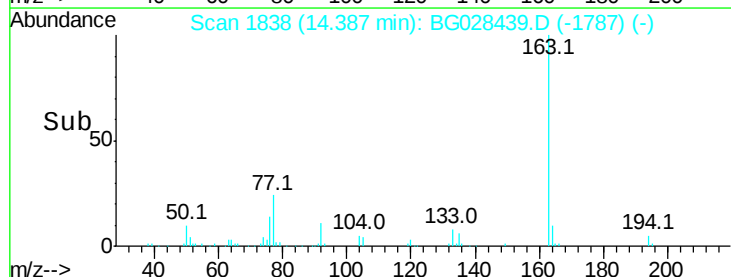
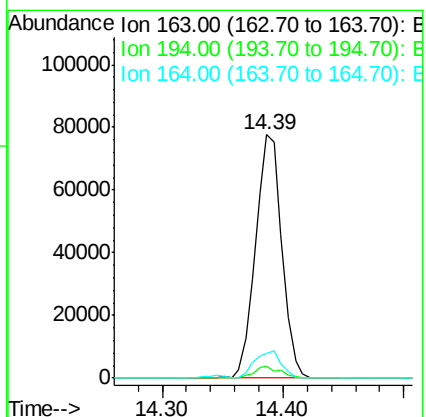
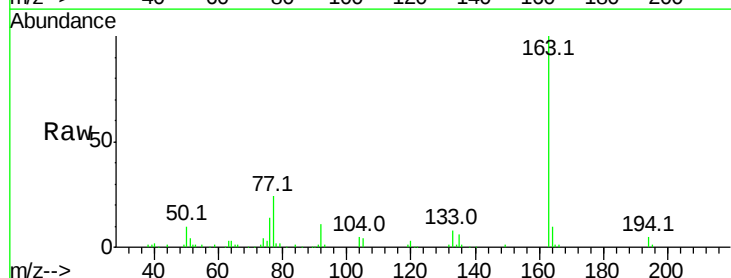
Tgt Ion: 163 Resp: 117616

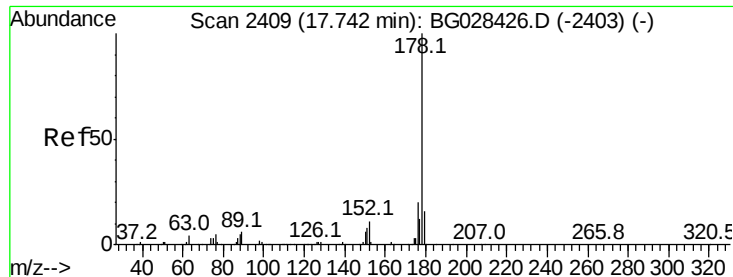
Ion Ratio Lower Upper

163 100

194 4.9 3.4 5.0

164 10.3 9.0 13.4





#69

Phenanthrene

Concen: 17.473 ng/ul

RT: 17.75 min Scan# 2410

Delta R.T. 0.01 min

Lab File: BG028439.D

Acq: 23 Aug 2017 5:17

Instrument :

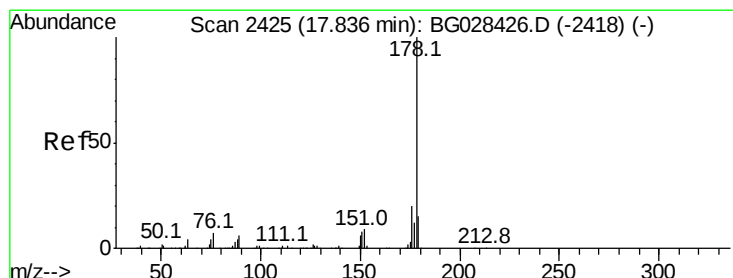
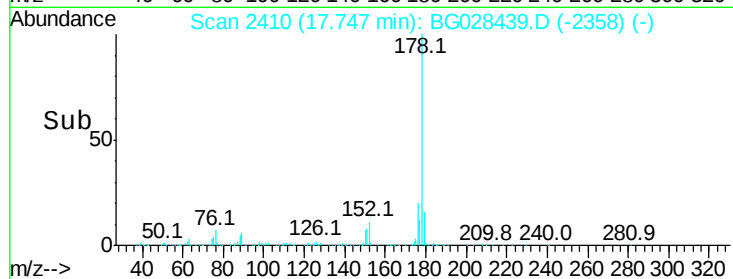
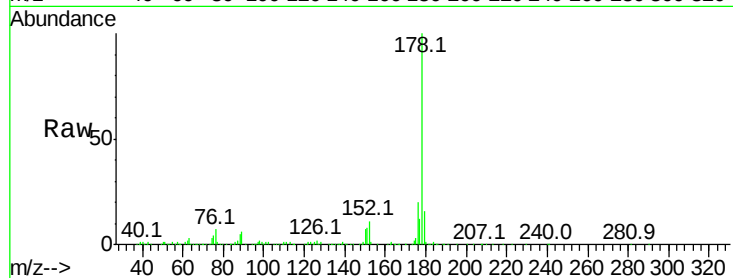
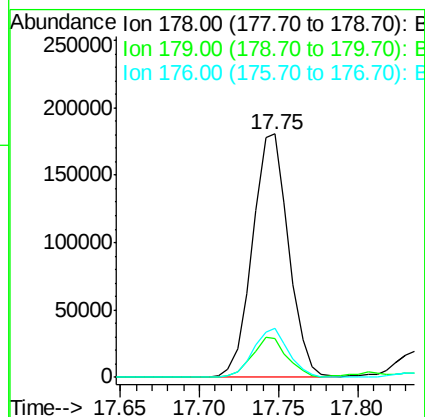
BNA_G

ClientSampled :

E7GD1

Tot Ion:178 Resp: 285783

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.4	18.6
176	20.1	16.5	24.7



#71

Anthracene

Concen: 1.887 ng/ul

RT: 17.84 min Scan# 2425

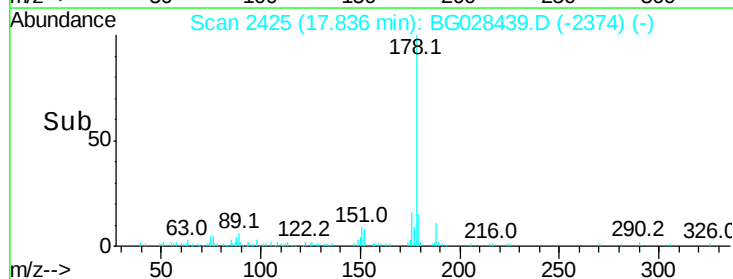
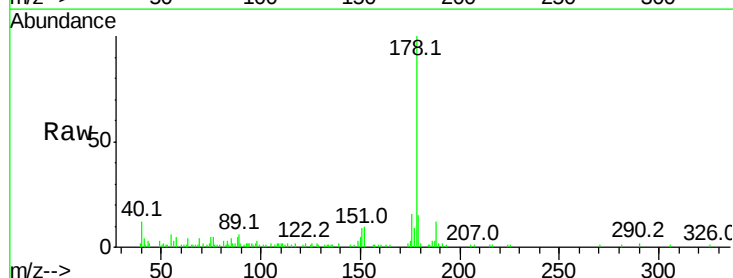
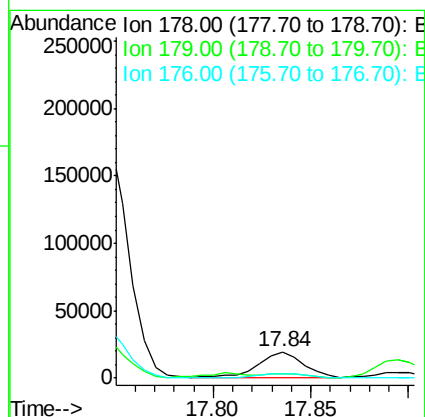
Delta R.T. -0.00 min

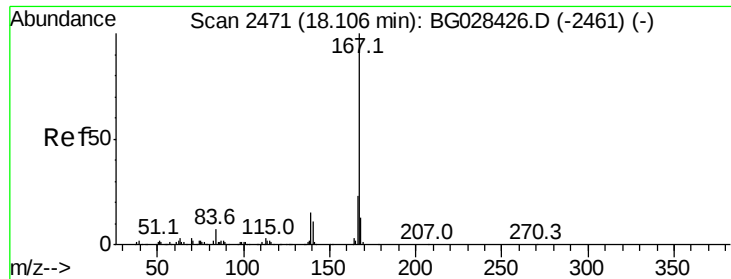
Lab File: BG028439.D

Acq: 23 Aug 2017 5:17

Tgt Ion:178 Resp: 31546

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.6	19.0
176	16.2	15.9	23.9





#72

Carbazole

Concen: 3.203 ng/ul

RT: 18.11 min Scan# 2471

Delta R.T. -0.00 min

Lab File: BG028439.D

Acq: 23 Aug 2017 5:17

Instrument :

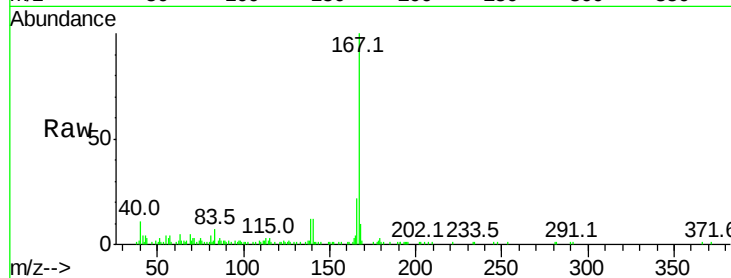
BNA_G

ClientSampleId :

E7GD1

Tot Ion:167 Resp: 46565

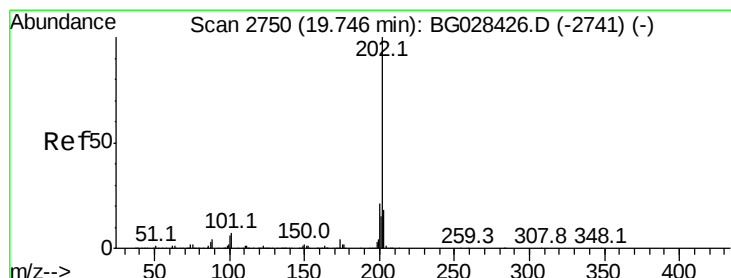
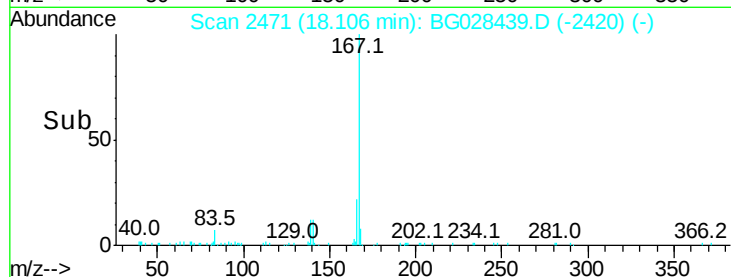
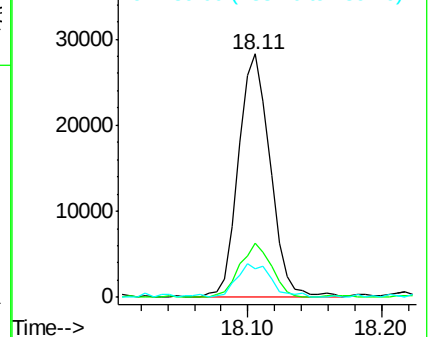
Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.9	26.9
139	11.9	10.5	15.7



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: 44.518 ng/ul

RT: 19.75 min Scan# 2750

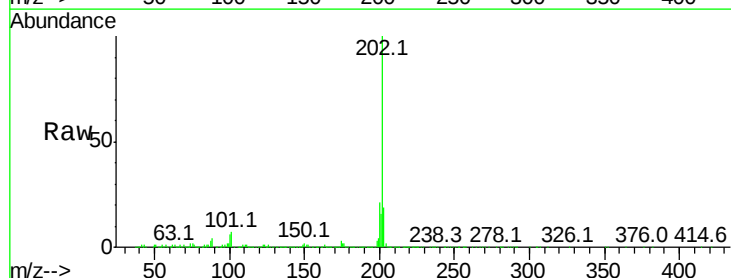
Delta R.T. -0.00 min

Lab File: BG028439.D

Acq: 23 Aug 2017 5:17

Tgt Ion:202 Resp: 884871

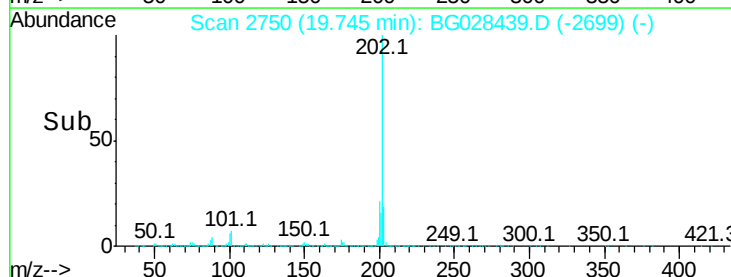
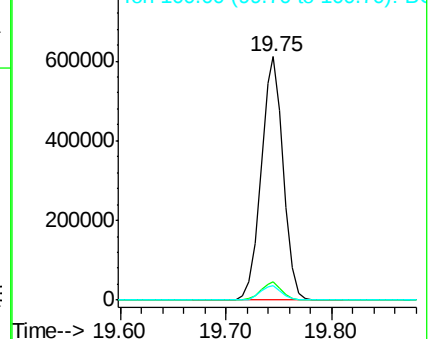
Ion	Ratio	Lower	Upper
202	100		
101	7.4	6.2	9.2
100	5.9	5.2	7.8

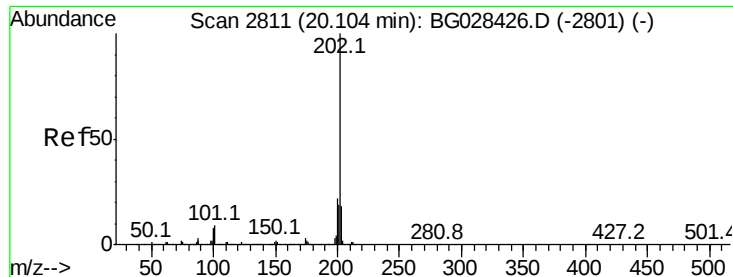


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 31.728 ng/ul

RT: 20.11 min Scan# 2812

Delta R.T. 0.01 min

Lab File: BG028439.D

Acq: 23 Aug 2017 5:17

Instrument :

BNA_G

ClientSampleId :

E7GD1

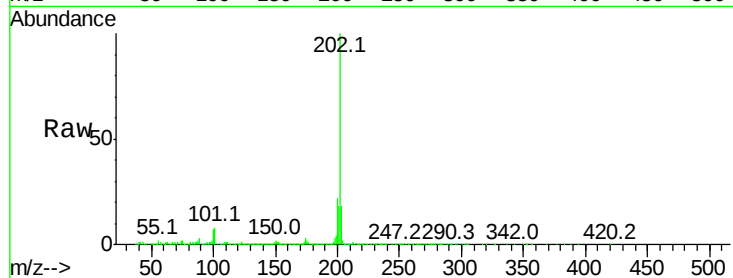
Tot Ion:202 Resp: 686061

Ion Ratio Lower Upper

202 100

101 8.2 6.9 10.3

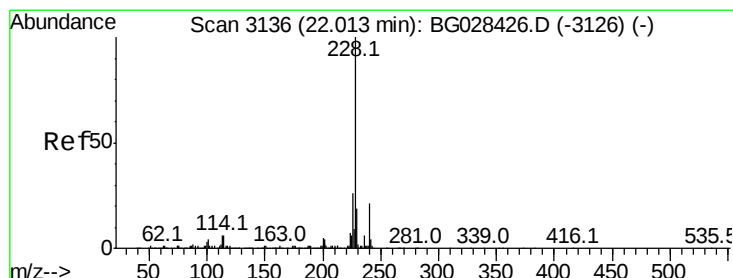
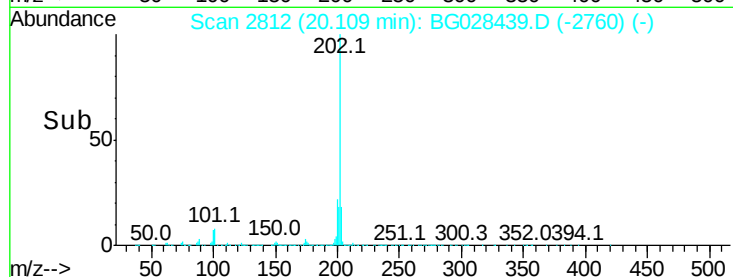
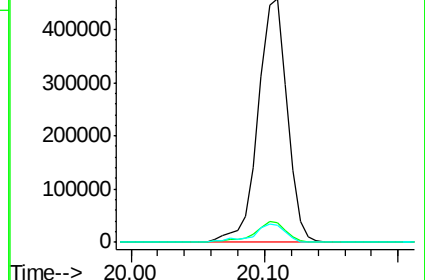
100 6.9 6.6 10.0



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: 13.884 ng/ul

RT: 22.01 min Scan# 3136

Delta R.T. -0.00 min

Lab File: BG028439.D

Acq: 23 Aug 2017 5:17

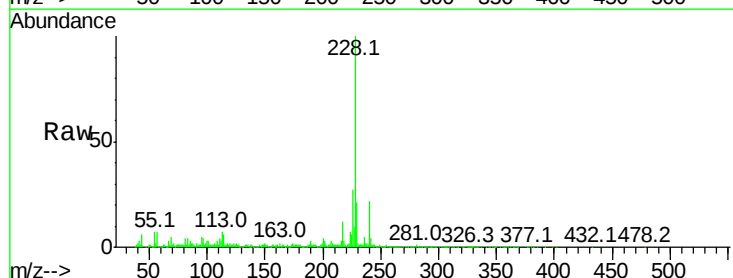
Tgt Ion:228 Resp: 290746

Ion Ratio Lower Upper

228 100

229 21.0 16.3 24.5

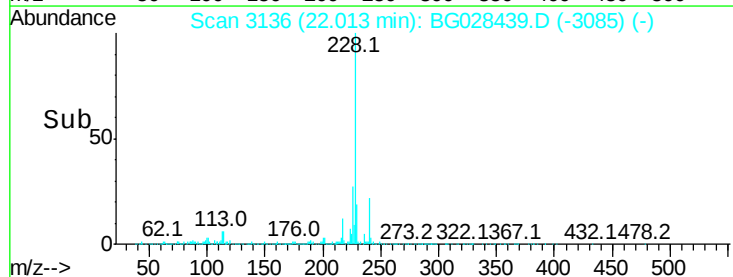
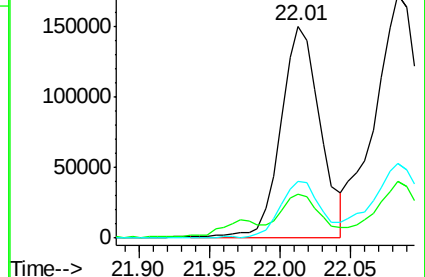
226 26.8 21.9 32.9

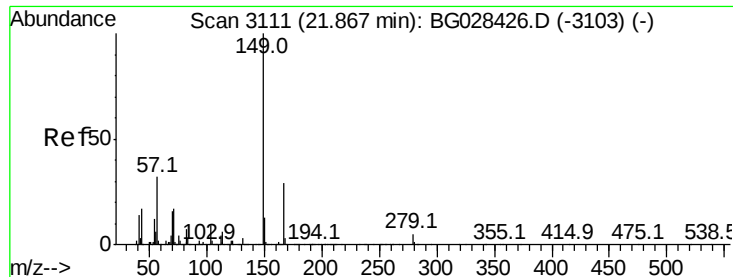


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 1.508 ng/ul

RT: 21.87 min Scan# 3112

Delta R.T. 0.01 min

Lab File: BG028439.D

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Instrument :

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ClientSampleId :

E7GD1

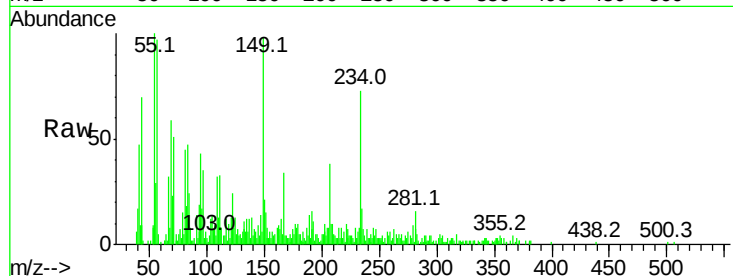
Tot Ion:149 Resp: 17368

Ion Ratio Lower Upper

149 100

167 34.4 21.8 32.8#

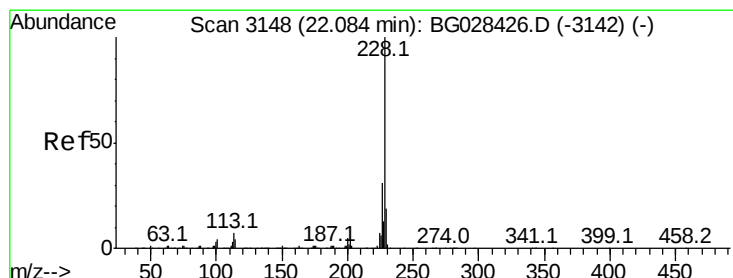
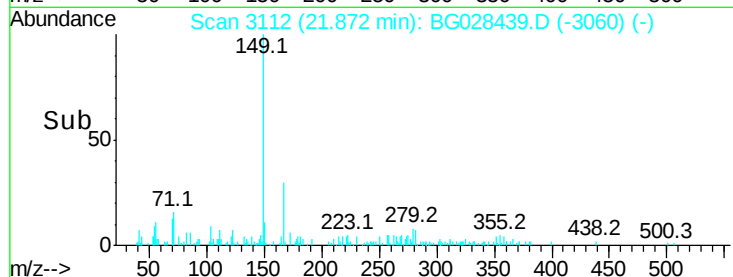
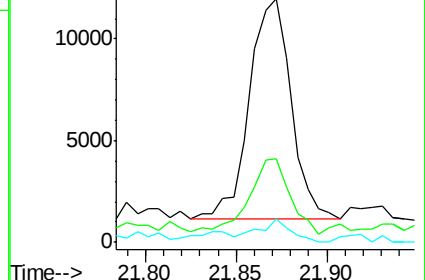
279 9.5 4.5 6.7#



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: 19.769 ng/ul

RT: 22.08 min Scan# 3148

Delta R.T. -0.00 min

Lab File: BG028439.D

Acq: 23 Aug 2017 5:17

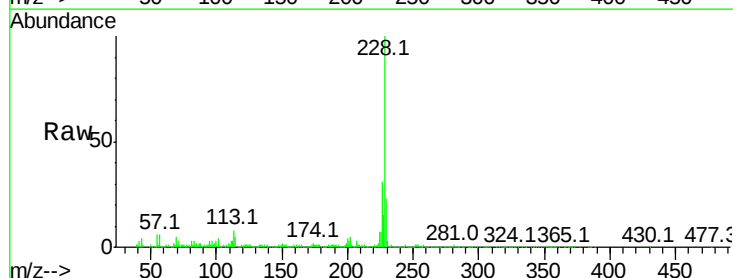
Tgt Ion:228 Resp: 372843

Ion Ratio Lower Upper

228 100

226 30.8 24.0 36.0

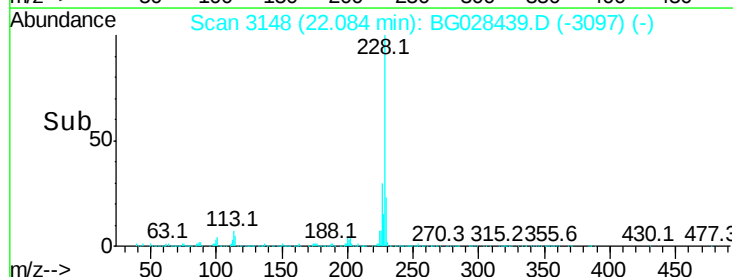
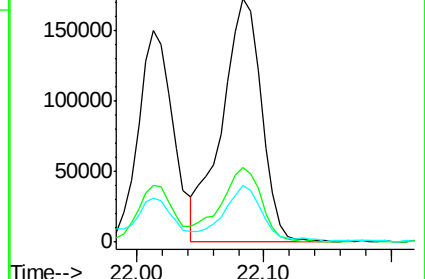
229 23.0 16.9 25.3

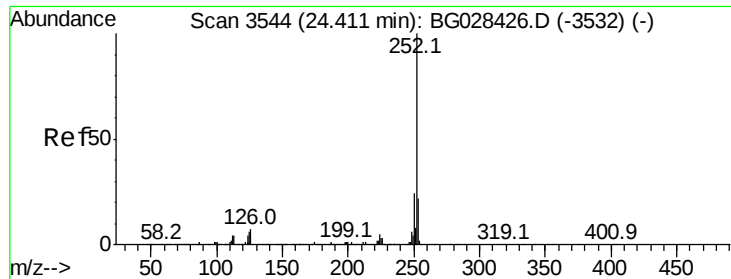


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 24.299 ng/ul

RT: 24.43 min Scan# 3547

Delta R.T. 0.02 min

Lab File: BG028439.D

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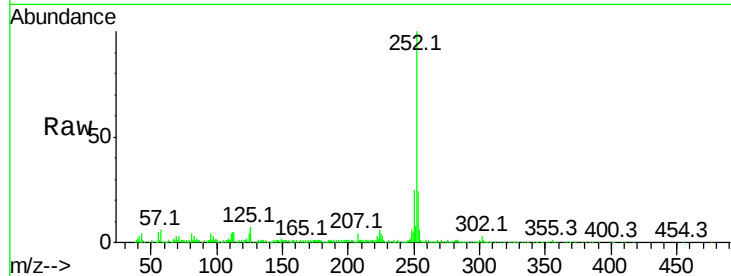
Tot Ion:252 Resp: 517421

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

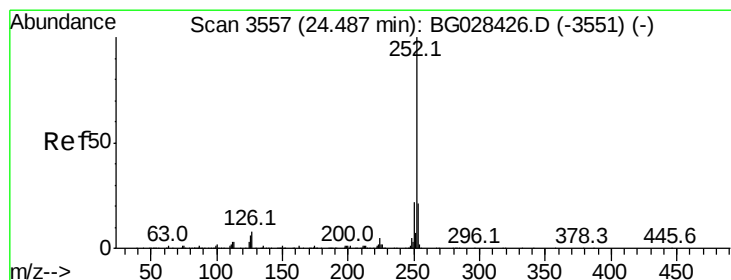
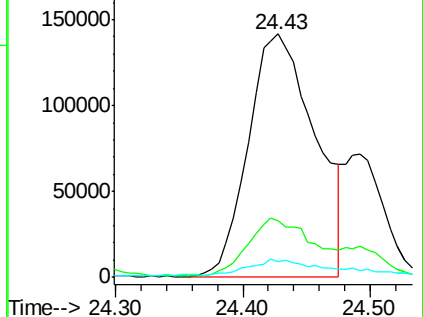
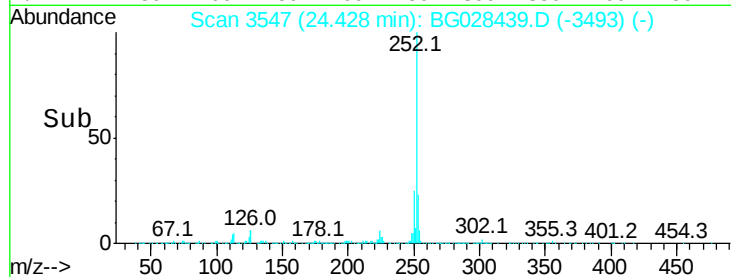
125 6.7 4.0 6.0#



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: 24.876 ng/ul

RT: 24.43 min Scan# 3547

Delta R.T. -0.06 min

Lab File: BG028439.D

Acq: 23 Aug 2017 5:17

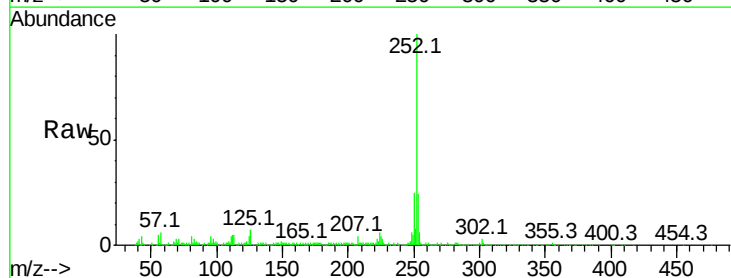
Tgt Ion:252 Resp: 517421

Ion Ratio Lower Upper

252 100

253 23.5 18.5 27.7

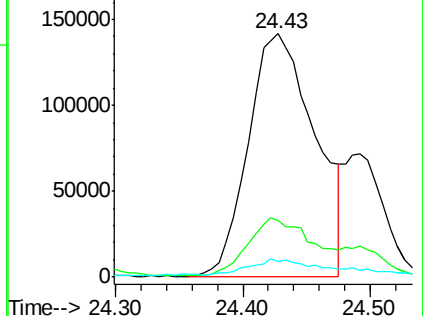
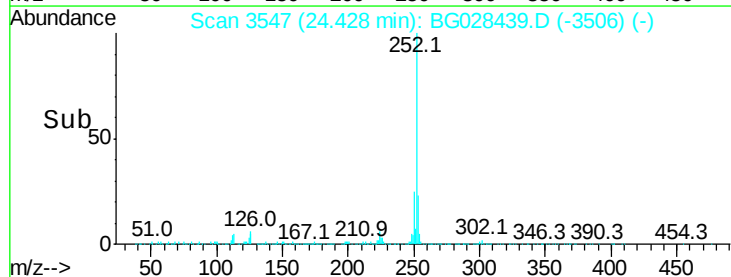
125 6.7 4.1 6.1#

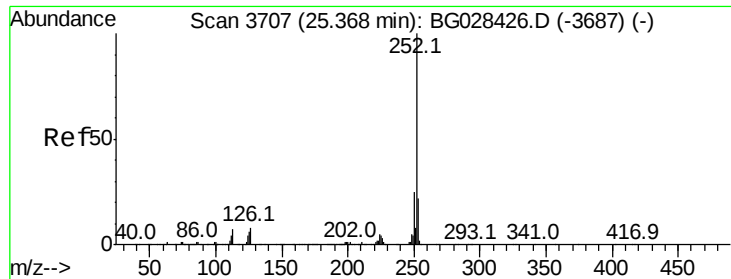


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 15.002 ng/ul

RT: 25.38 min Scan# 3709

Delta R.T. 0.01 min

Lab File: BG028439.D

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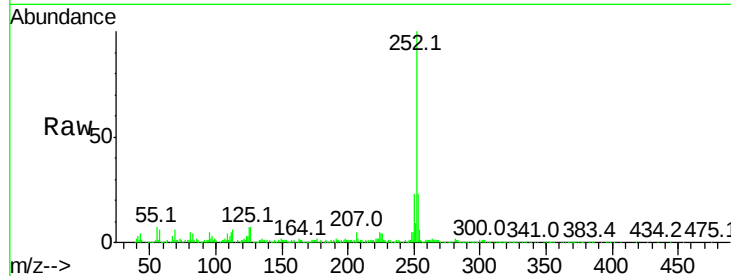
Tot Ion:252 Resp: 309312

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

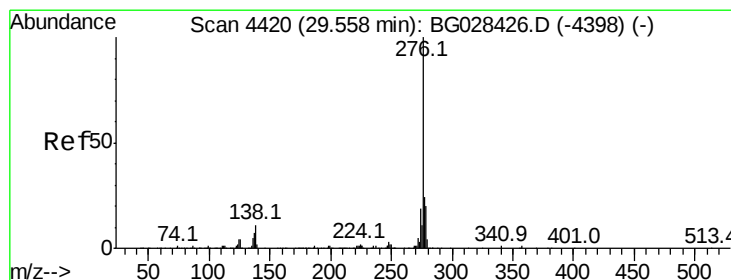
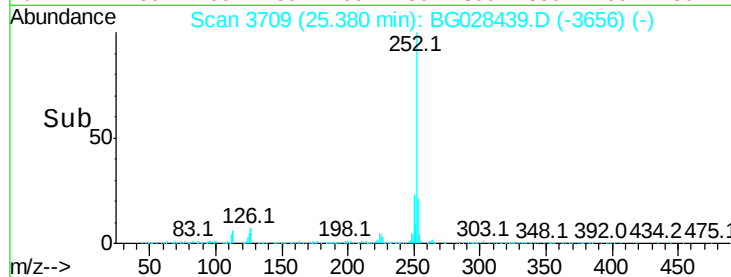
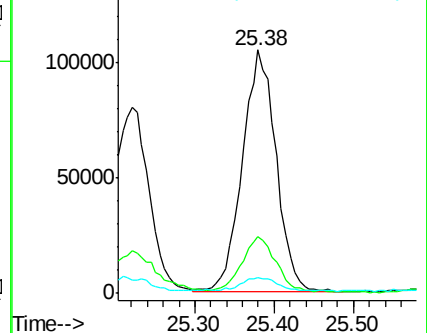
125 6.7 5.4 8.0



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: 9.120 ng/ul

RT: 29.57 min Scan# 4422

Delta R.T. 0.01 min

Lab File: BG028439.D

Acq: 23 Aug 2017 5:17

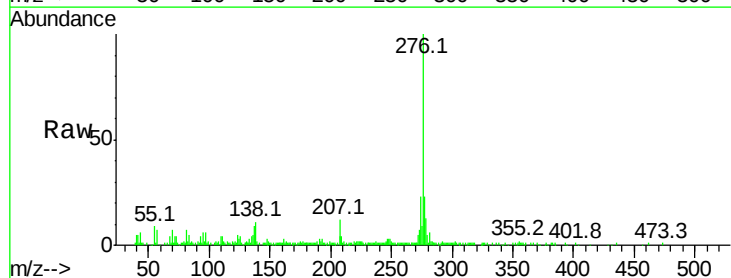
Tgt Ion:276 Resp: 220182

Ion Ratio Lower Upper

276 100

138 10.5 8.2 12.4

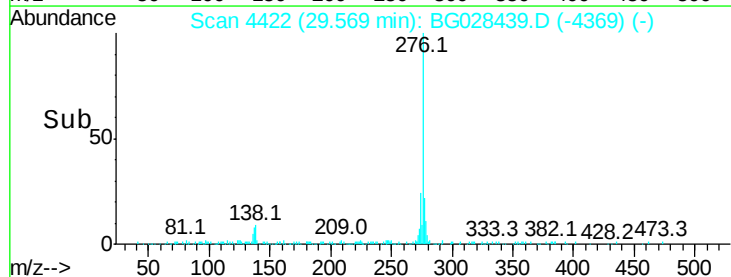
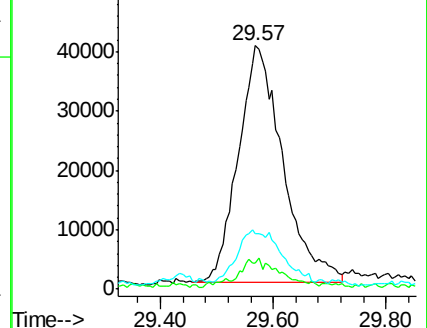
277 22.7 18.6 28.0

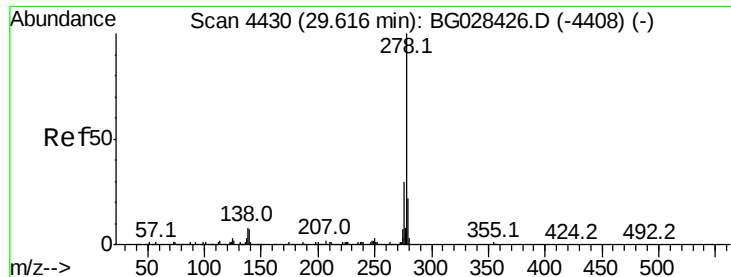


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.258 ng/ul

RT: 29.61 min Scan# 4429

Delta R.T. -0.01 min

Lab File: BG028439.D

Acq: 23 Aug 2017 5:17

Instrument :

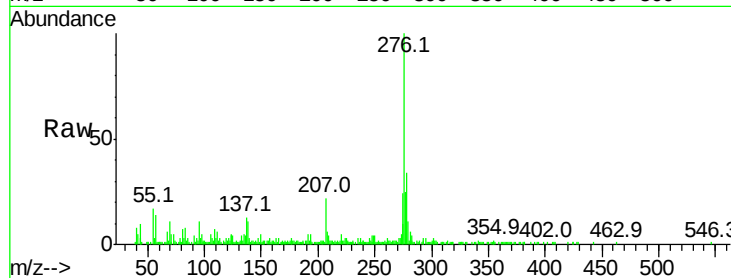
BNA_G

ClientSampleId :

E7GD1

Tot Ion:278 Resp: 25453

Ion	Ratio	Lower	Upper
278	100		
139	8.7	6.7	10.1
279	31.8	20.9	31.3#

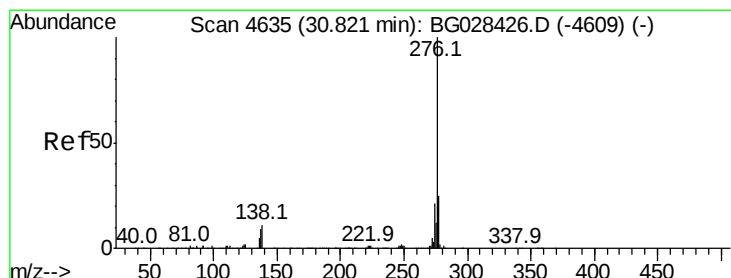
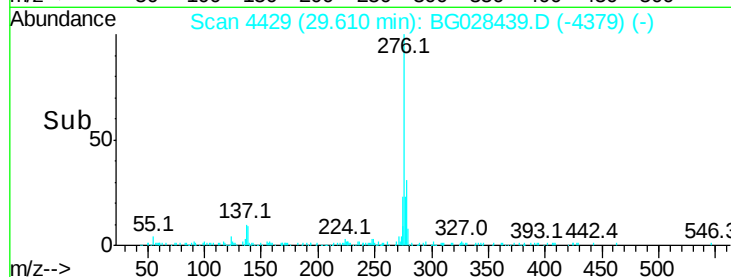
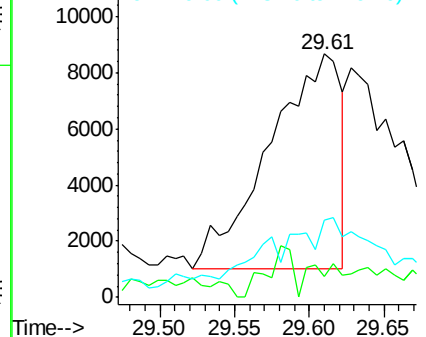


Abundance

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: 10.098 ng/ul

RT: 30.84 min Scan# 4639

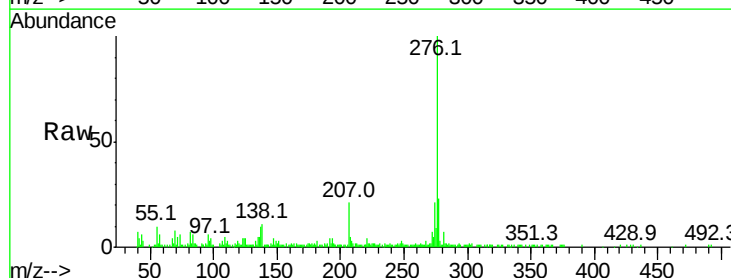
Delta R.T. 0.02 min

Lab File: BG028439.D

Acq: 23 Aug 2017 5:17

Tgt Ion:276 Resp: 200576

Ion	Ratio	Lower	Upper
276	100		
138	11.2	8.6	12.8
277	23.3	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

