

Data Path : U:\HPCHEM1\BNA G\DATA\BG082317\
 Data File : BG028448.D
 Acq On : 23 Aug 2017 13:26
 Operator : SJ/JU
 Sample : I4713-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E7GC0

Quant Time: Aug 24 01:31:02 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 24 01:29:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.35	152	43005	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	200940	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.96	164	128165	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.71	188	274718	20.00	ng/ul	0.00
75) Chrysene-d12	22.04	240	326435	20.00	ng/ul	0.00
83) Perylene-d12	25.56	264	298660	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.83	96	3570	3.87	ng/uL	0.00
5) Phenol-d5	7.49	99	112807	23.88	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.66	67	67191	22.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.88	132	81915	27.49	ng/ul	0.00
13) 4-Methylphenol-d8	9.04	113	96059	24.33	ng/ul	0.00
19) Nitrobenzene-d5	9.51	128	44272	28.18	ng/ul	0.00
22) 2-Nitrophenol-d4	10.24	143	55501	32.22	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.79	165	105840	29.69	ng/ul	0.00
29) 4-Chloroaniline-d4	11.30	131	20995	5.29	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	328911	28.85	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	383083	29.81	ng/ul	0.00
51) 4-Nitrophenol-d4	15.16	143	36821	20.31	ng/ul	0.01
57) Fluorene-d10	15.94	176	275185	26.91	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.07	200	37168	20.83	ng/ul	0.00
70) Anthracene-d10	17.81	188	417797	31.72	ng/ul	0.00
76) Pyrene-d10	20.08	212	489243	29.23	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.32	264	467156	33.41	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	7.52	94	7515	1.601	ng/ul	92
14) Acetophenone	9.14	105	6737	1.197	ng/ul#	25
17) Hexachloroethane	9.44	117	2007	1.668	ng/ul#	1
28) Naphthalene	11.21	128	74659	7.502	ng/ul	98
34) 2-Methylnaphthalene	12.79	142	83284	10.419	ng/ul	89
40) 1,1'-Biphenyl	13.78	154	12409	1.326	ng/ul	93
44) Dimethylphthalate	14.39	163	138175	13.165	ng/ul	99
53) Dibenzofuran	15.35	168	29149	2.412	ng/ul	99
58) Fluorene	16.00	166	11173	1.044	ng/ul#	92
69) Phenanthrene	17.75	178	522731	37.810	ng/ul	98
71) Anthracene	17.84	178	50798	3.595	ng/ul	97
72) Carbazole	18.11	167	70147	5.708	ng/ul	99
74) Fluoranthene	19.75	202	1799592	107.106	ng/ul	98
77) Pyrene	20.11	202	1493535	76.688	ng/ul	99
80) Benzo(a)anthracene	22.02	228	696010	36.902	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.87	149	26623	2.566	ng/ul#	88
82) Chrysene	22.09	228	1086851	63.983	ng/ul	96
85) Benzo(b)fluoranthene	24.45	252	1764678	98.739	ng/ul#	95
86) Benzo(k)fluoranthene	24.45	252	1764678	101.084	ng/ul#	96
88) Benzo(a)pyrene	25.40	252	923025	53.341	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	29.61	276	632006	31.189	ng/ul	99
90) Dibenzo(a,h)anthracene	29.62	278	49806	2.932	ng/ul#	91
91) Benzo(g,h,i)perylene	30.88	276	569515	34.162	ng/ul	97

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 24 01:29:02 2017
Response via : Initial Calibration

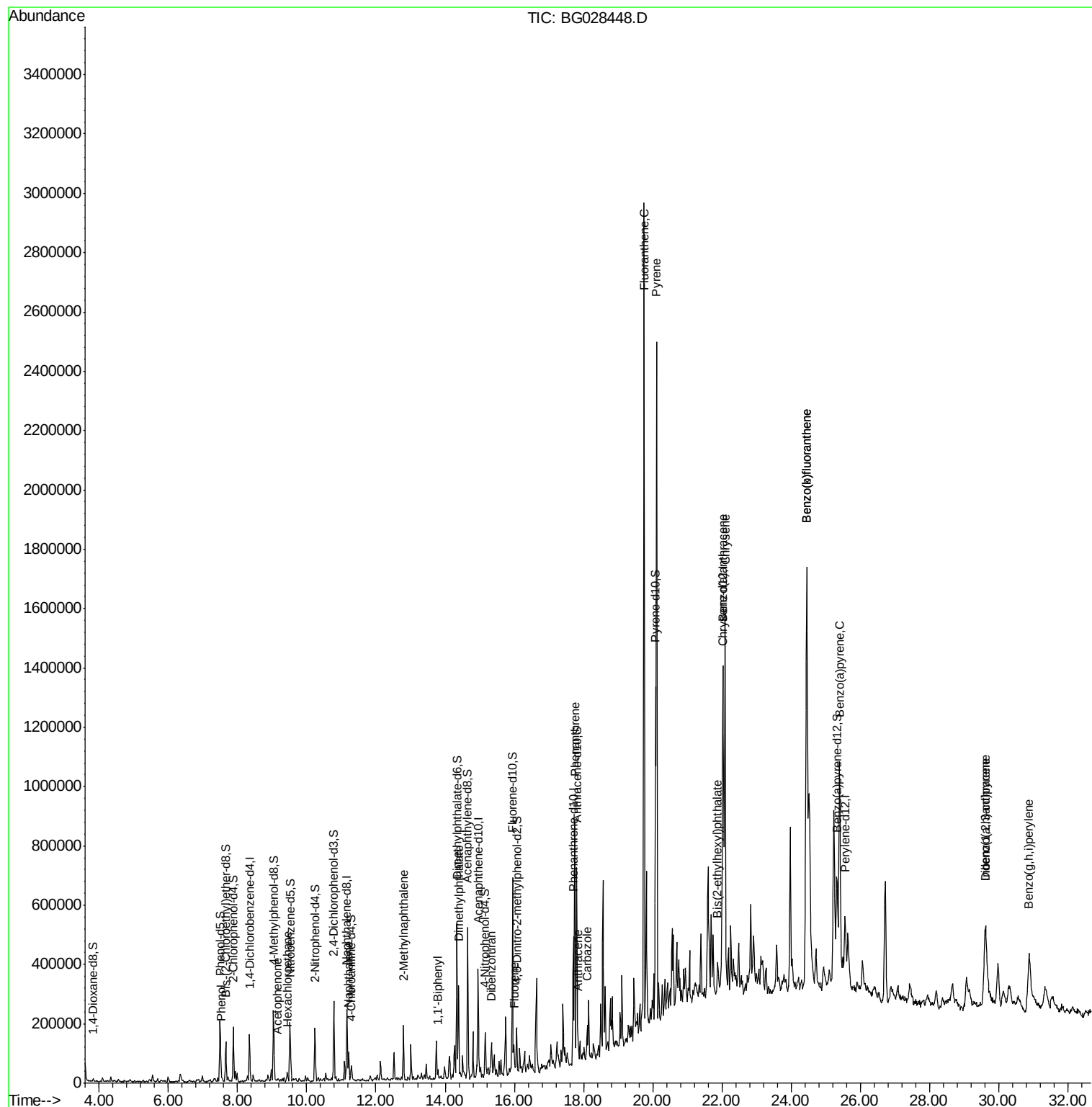
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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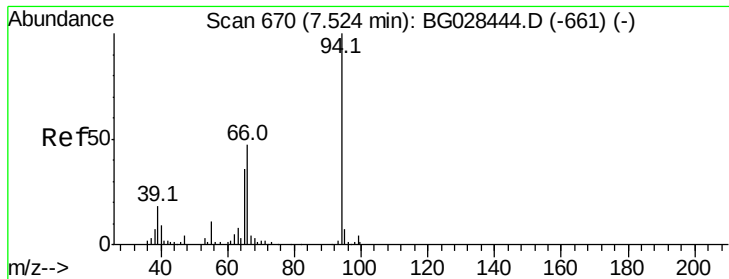
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 24 01:29:02 2017
Response via : Initial Calibration





#6

Phenol

Concen: 1.601 ng/ul

RT: 7.52 min Scan# 670

Delta R.T. 0.00 min

Lab File: BG028448.D

Acq: 23 Aug 2017 13:26

Instrument :

BNA_G

ClientSampled :

E7GC0

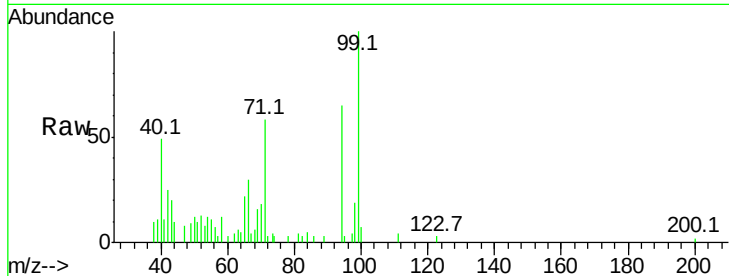
Tot Ion: 94 Resp: 7515

Ion Ratio Lower Upper

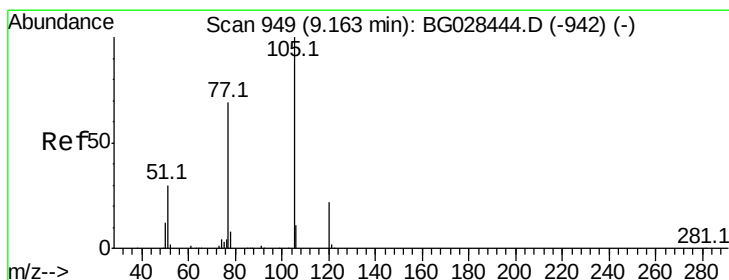
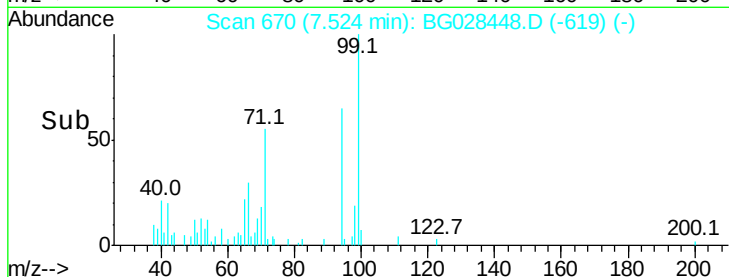
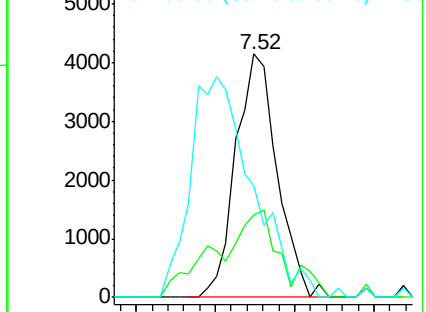
94 100

65 34.1 26.8 40.2

66 46.1 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



#14

Acetophenone

Concen: 1.197 ng/ul

RT: 9.14 min Scan# 945

Delta R.T. -0.02 min

Lab File: BG028448.D

Acq: 23 Aug 2017 13:26

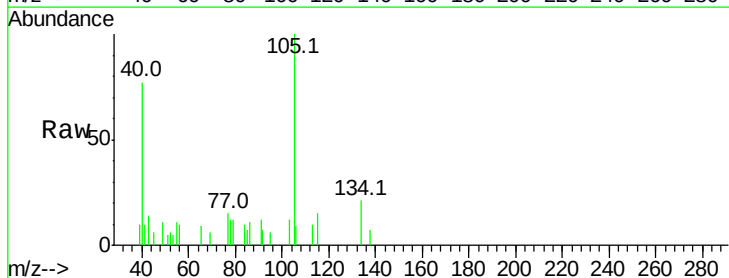
Tgt Ion: 105 Resp: 6737

Ion Ratio Lower Upper

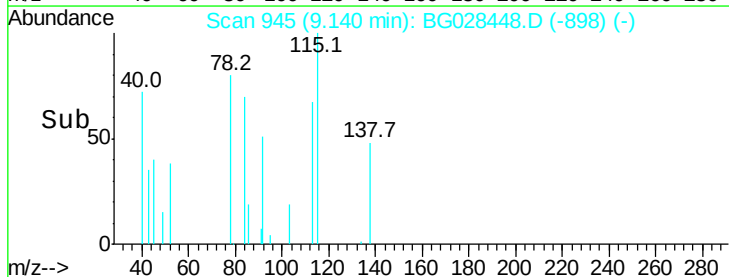
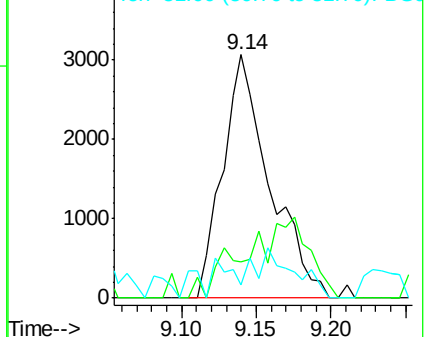
105 100

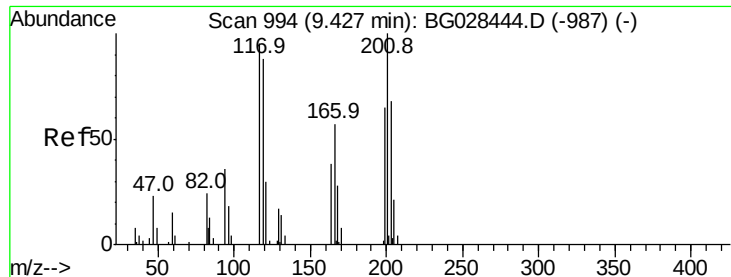
77 14.7 76.0 114.0#

51 5.4 34.8 52.2#



Abundance Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

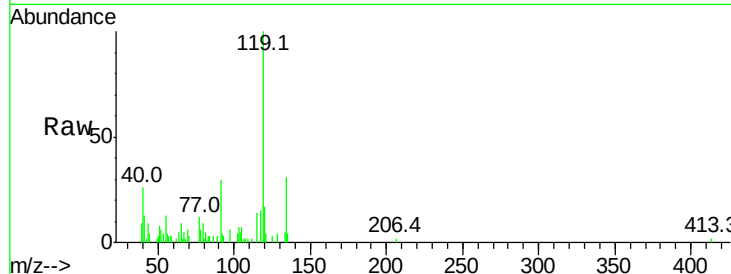




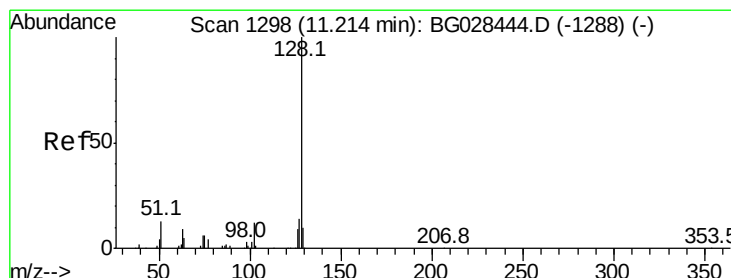
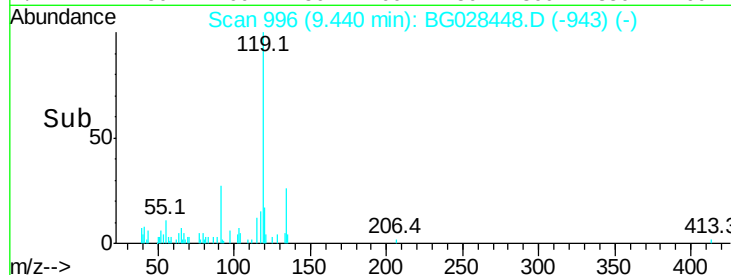
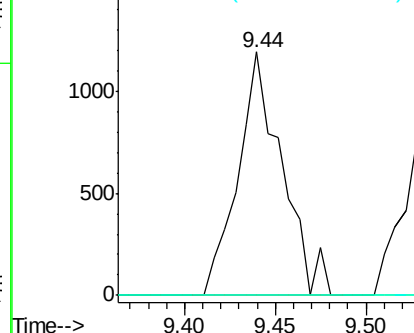
#17
Hexachloroethane
Concen: 1.668 ng/ul
RT: 9.44 min Scan# 996
Delta R.T. 0.01 min
Lab File: BG028448.D
Acq: 23 Aug 2017 13:26

Instrument :
BNA_G
ClientSampleId :
E7GC0

Tot Ion:117 Resp: 2007
Ion Ratio Lower Upper
117 100
201 0.0 91.9 137.9#
199 0.0 64.3 96.5#

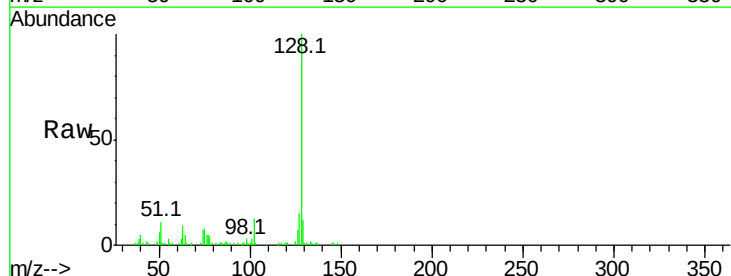


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

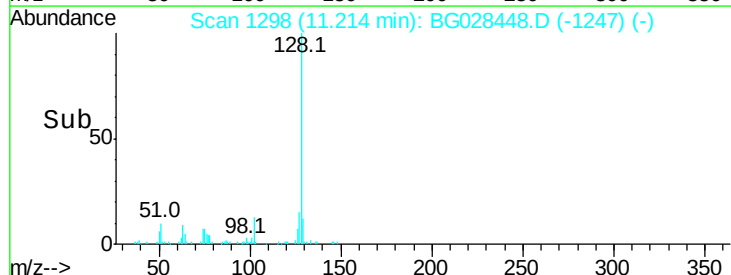
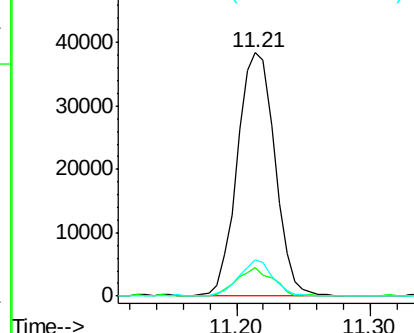


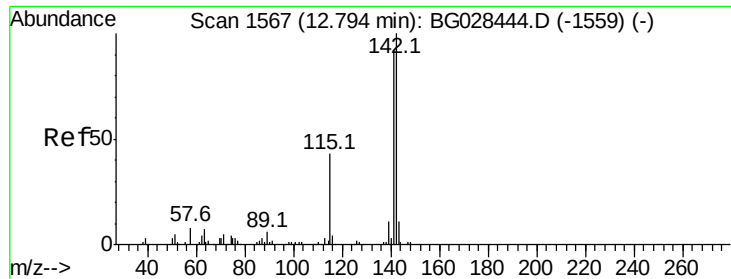
#28
Naphthalene
Concen: 7.502 ng/ul
RT: 11.21 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BG028448.D
Acq: 23 Aug 2017 13:26

Tgt Ion:128 Resp: 74659
Ion Ratio Lower Upper
128 100
129 11.8 9.4 14.2
127 14.7 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

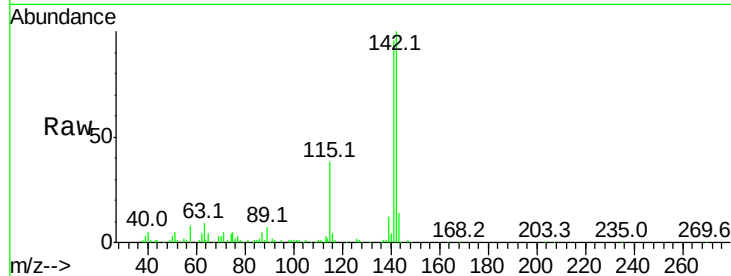




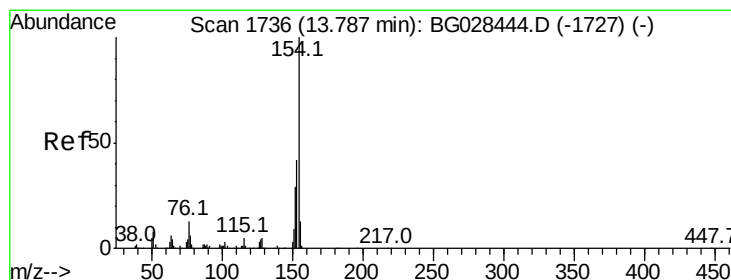
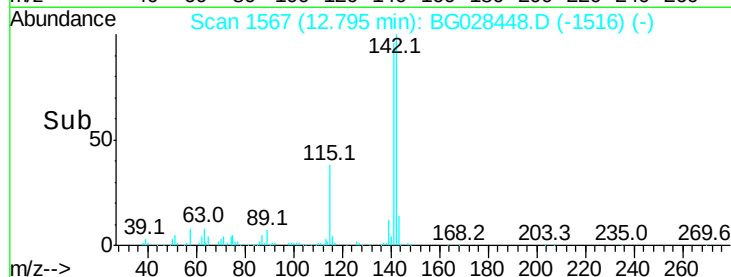
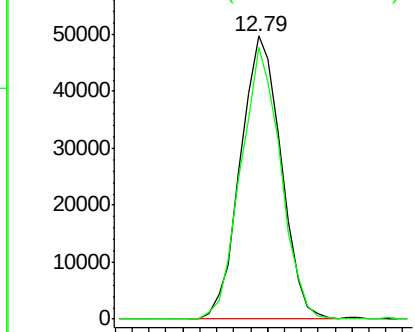
#34
 2-Methylnaphthalene
 Concen: 10.419 ng/ul
 RT: 12.79 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: BG028448.D
 Acq: 23 Aug 2017 13:26

Instrument :
 BNA_G
 ClientSampleId :
 E7GC0

Tot Ion:142 Resp: 83284
 Ion Ratio Lower Upper
 142 100
 141 96.2 68.6 102.8

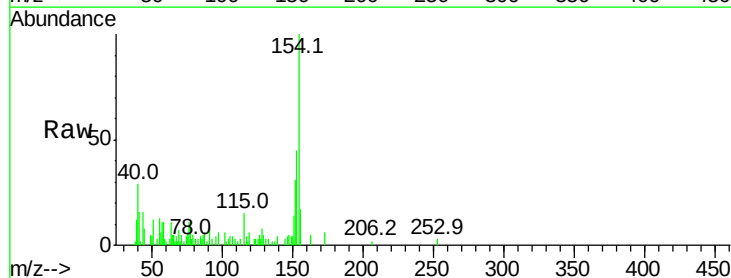


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

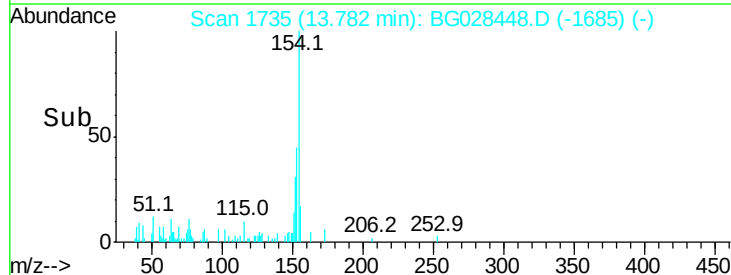
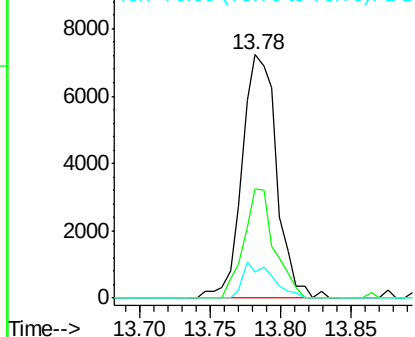


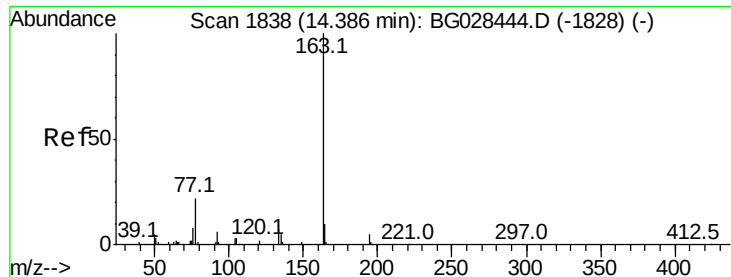
#40
 1,1'-Biphenyl
 Concen: 1.326 ng/ul
 RT: 13.78 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG028448.D
 Acq: 23 Aug 2017 13:26

Tgt Ion:154 Resp: 12409
 Ion Ratio Lower Upper
 154 100
 153 45.1 32.2 48.2
 76 10.5 9.6 14.4



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BG





#44

Dimethylphthalate

Concen: 13.165 ng/ul

RT: 14.39 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BG028448.D

Acq: 23 Aug 2017 13:26

Instrument :

BNA_G

ClientSampleId :

E7GC0

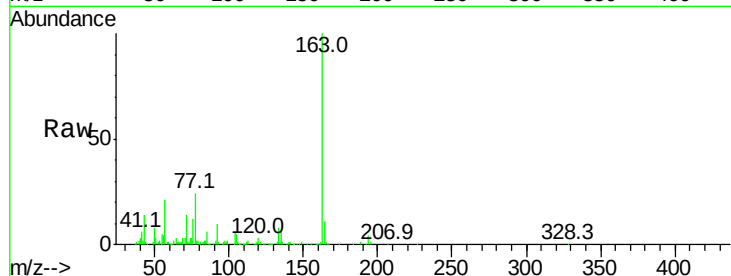
Tot Ion:163 Resp: 138175

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

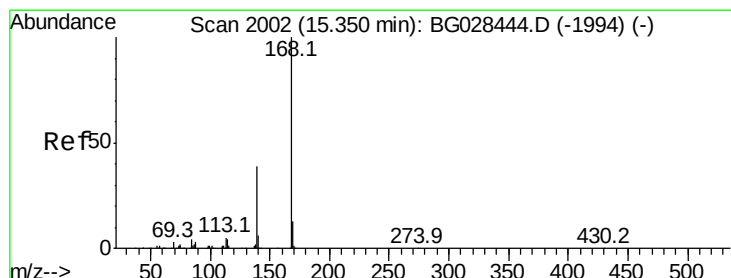
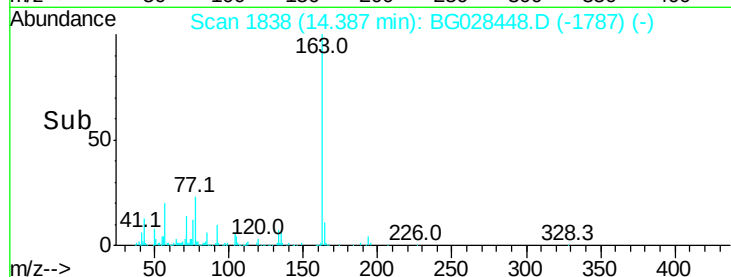
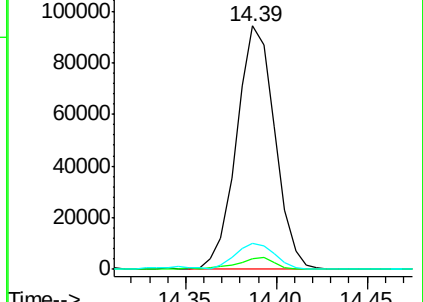
164 10.9 9.0 13.4



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



#53

Dibenzofuran

Concen: 2.412 ng/ul

RT: 15.35 min Scan# 2002

Delta R.T. 0.00 min

Lab File: BG028448.D

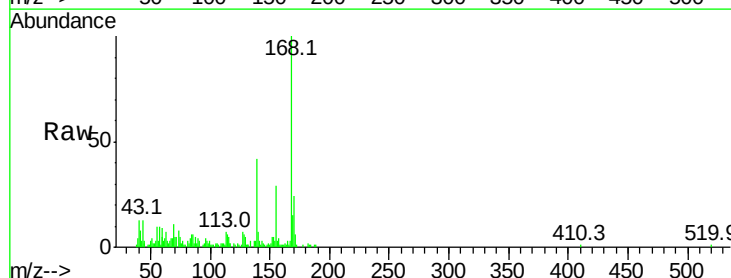
Acq: 23 Aug 2017 13:26

Tgt Ion:168 Resp: 29149

Ion Ratio Lower Upper

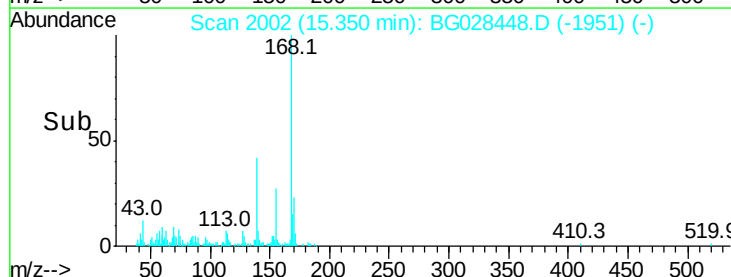
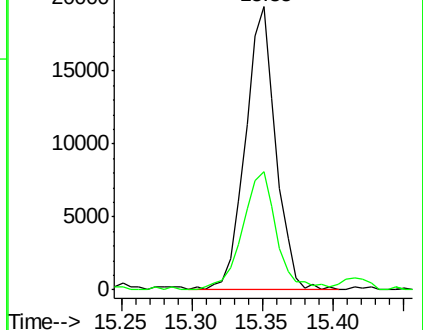
168 100

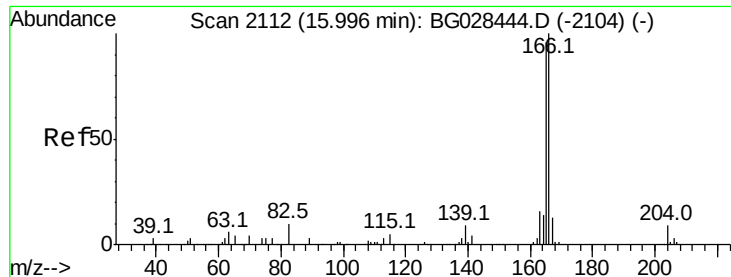
139 41.7 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 1.044 ng/ul

RT: 16.00 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BG028448.D

Acq: 23 Aug 2017 13:26

Instrument :

BNA_G

ClientSampleId :

E7GC0

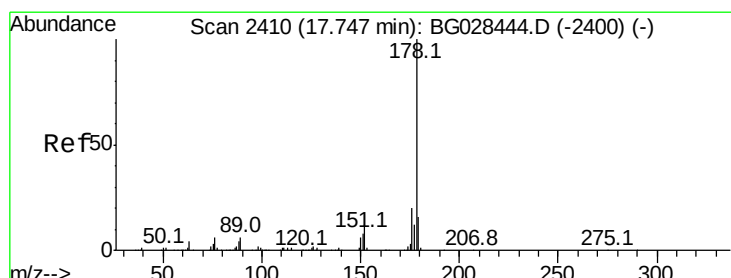
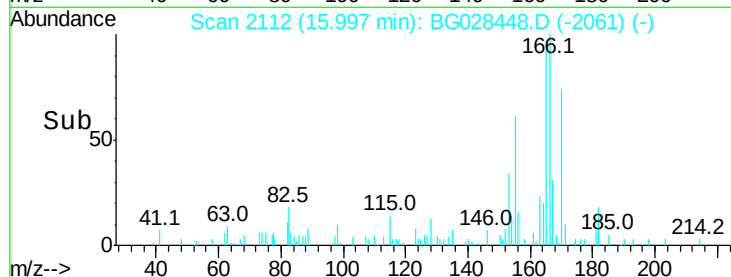
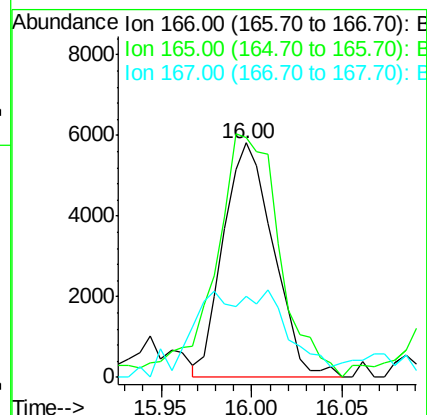
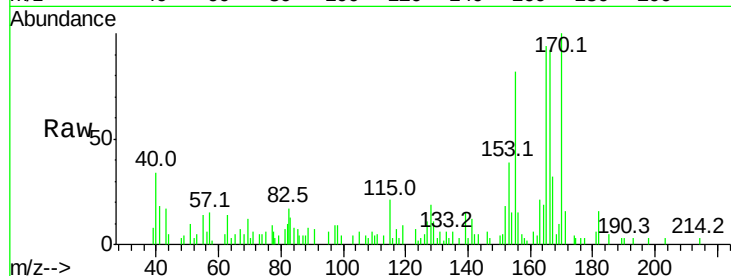
Tot Ion:166 Resp: 11173

Ion Ratio Lower Upper

166 100

165 102.0 79.7 119.5

167 34.5 11.4 17.2#



#69

Phenanthrene

Concen: 37.810 ng/ul

RT: 17.75 min Scan# 2410

Delta R.T. 0.00 min

Lab File: BG028448.D

Acq: 23 Aug 2017 13:26

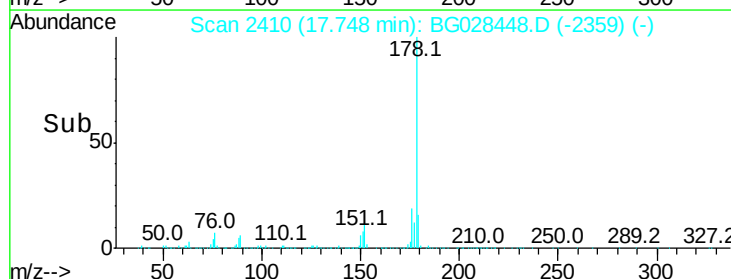
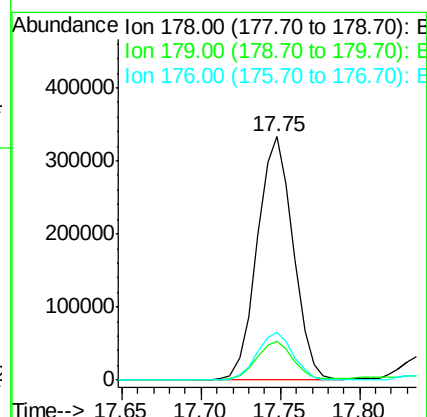
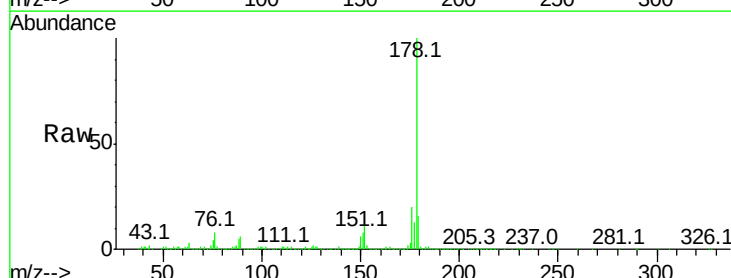
Tgt Ion:178 Resp: 522731

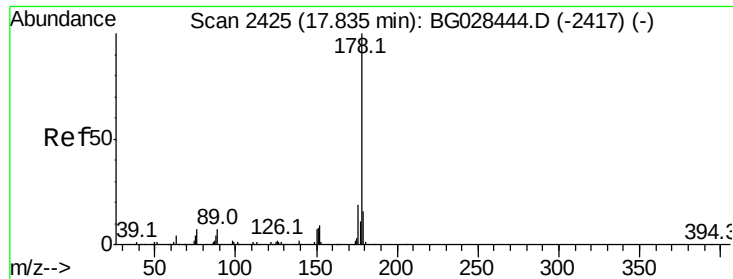
Ion Ratio Lower Upper

178 100

179 15.8 12.4 18.6

176 19.5 16.5 24.7





#71

Anthracene

Concen: 3.595 ng/ul

RT: 17.84 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BG028448.D

Acq: 23 Aug 2017 13:26

Instrument :

BNA_G

ClientSampled :

E7GC0

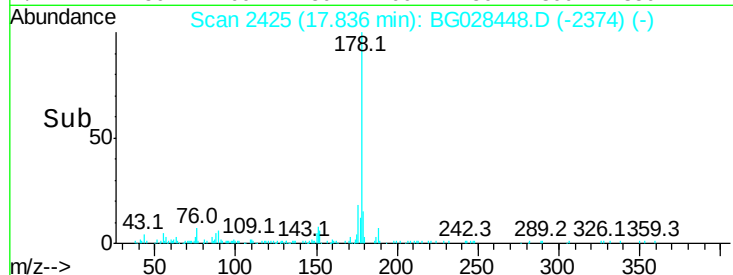
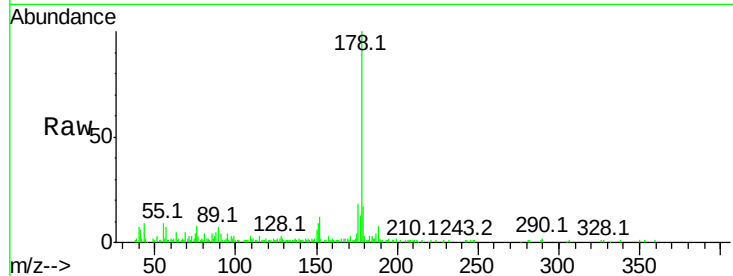
Tot Ion:178 Resp: 50798

Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.6	19.0
176	18.1	15.9	23.9

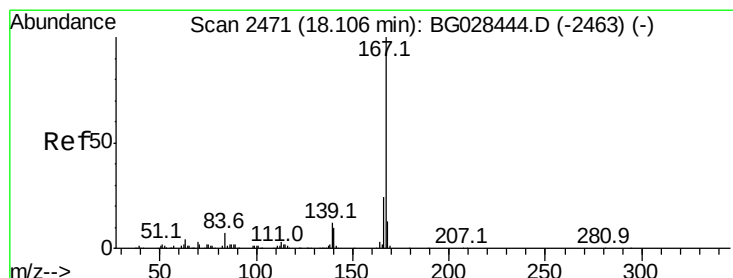
178 100

179 16.6 12.6 19.0

176 18.1 15.9 23.9



Time--> 17.75 17.80 17.85



#72

Carbazole

Concen: 5.708 ng/ul

RT: 18.11 min Scan# 2471

Delta R.T. 0.00 min

Lab File: BG028448.D

Acq: 23 Aug 2017 13:26

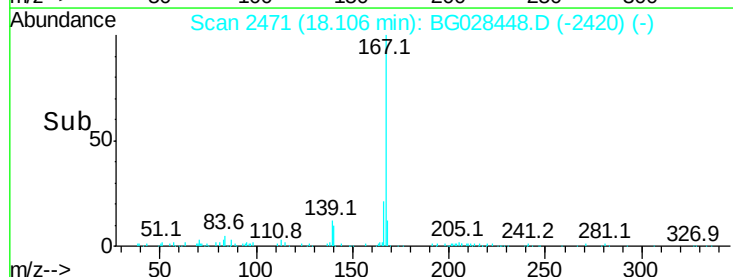
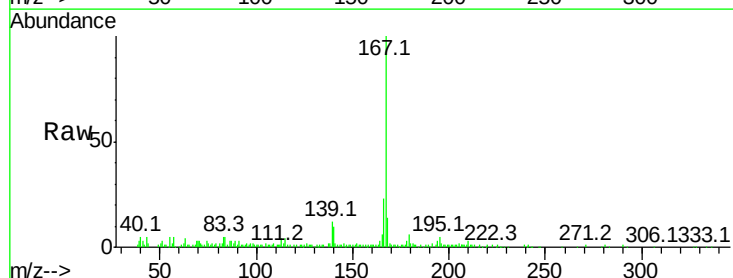
Tgt Ion:167 Resp: 70147

Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.9	26.9
139	12.3	10.5	15.7

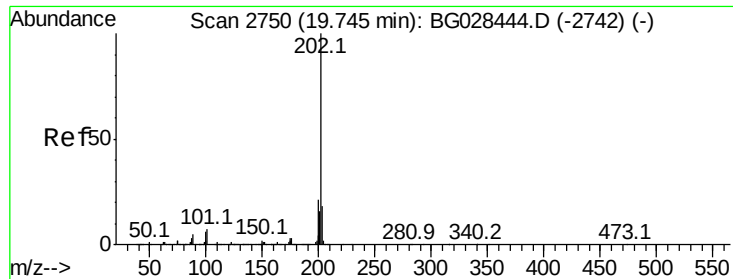
167 100

166 22.7 17.9 26.9

139 12.3 10.5 15.7



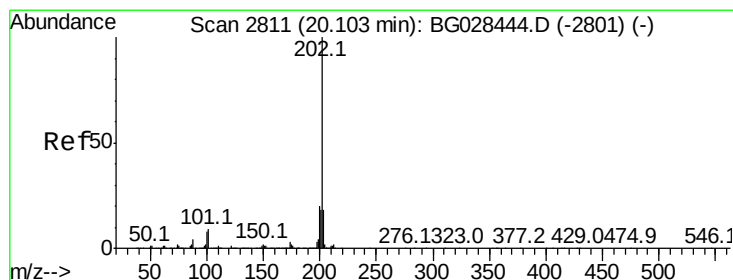
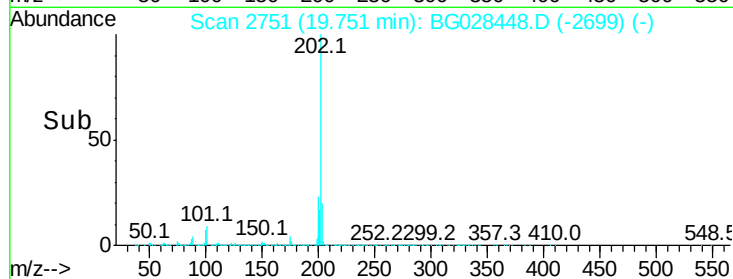
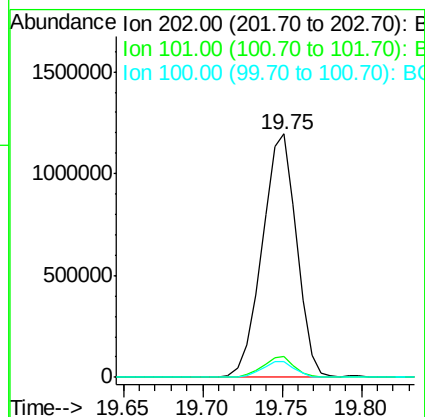
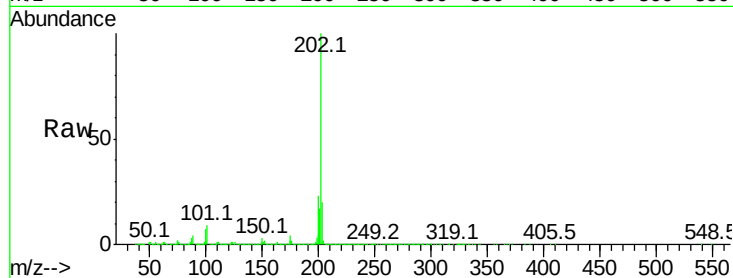
Time--> 18.05 18.10 18.15



#74
 Fluoranthene
 Concen: 107.106 ng/ul
 RT: 19.75 min Scan# 2751
 Delta R.T. 0.01 min
 Lab File: BG028448.D
 Acq: 23 Aug 2017 13:26

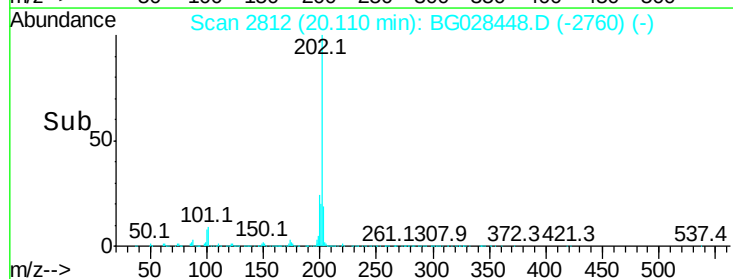
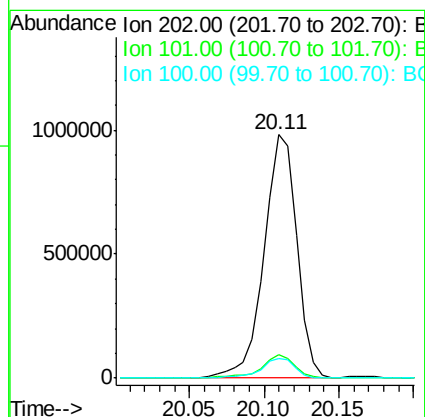
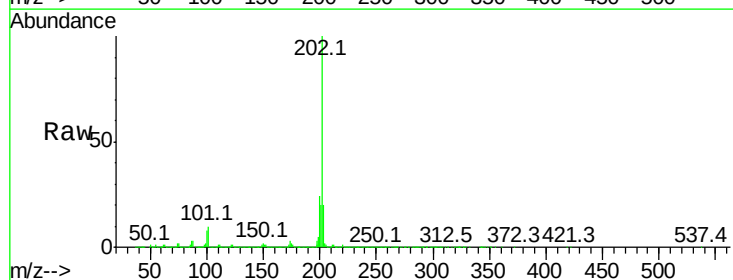
Instrument :
 BNA_G
 ClientSampleId :
 E7GC0

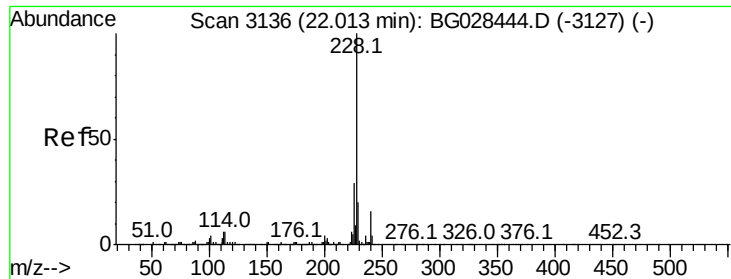
Tot Ion:202 Resp: 1799592
 Ion Ratio Lower Upper
 202 100
 101 8.6 6.2 9.2
 100 6.6 5.2 7.8



#77
 Pyrene
 Concen: 76.688 ng/ul
 RT: 20.11 min Scan# 2812
 Delta R.T. 0.01 min
 Lab File: BG028448.D
 Acq: 23 Aug 2017 13:26

Tgt Ion:202 Resp: 1493535
 Ion Ratio Lower Upper
 202 100
 101 9.5 6.9 10.3
 100 8.2 6.6 10.0





#80

Benzo(a)anthracene

Concen: 36.902 ng/ul

RT: 22.02 min Scan# 3137

Delta R.T. 0.01 min

Lab File: BG028448.D

Acq: 23 Aug 2017 13:26

Instrument :

BNA_G

ClientSampleId :

E7GC0

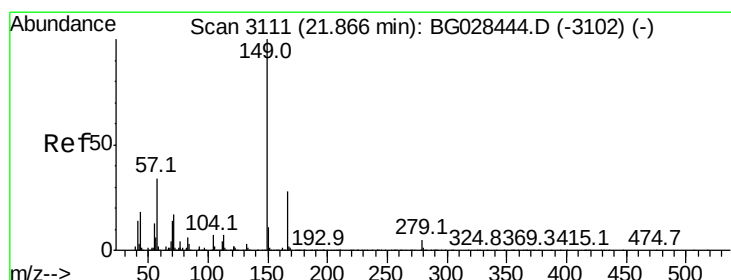
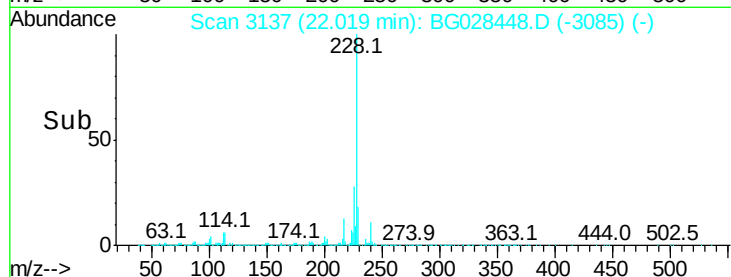
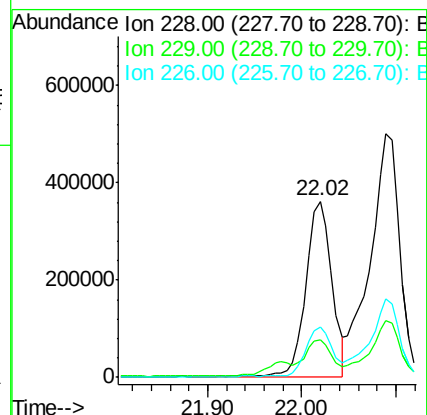
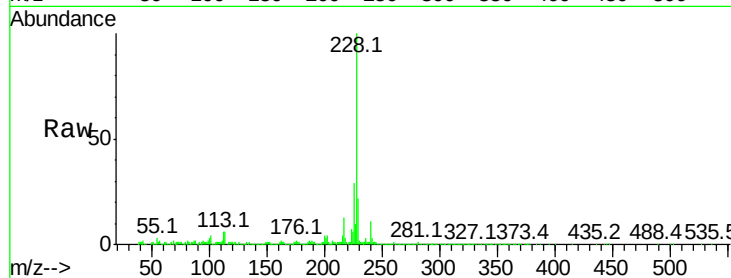
Tot Ion:228 Resp: 696010

Ion	Ratio	Lower	Upper
228	100		
229	21.7	16.3	24.5
226	29.0	21.9	32.9

228 100

229 21.7 16.3 24.5

226 29.0 21.9 32.9



#81

Bis(2-ethylhexyl)phthalate

Concen: 2.566 ng/ul

RT: 21.87 min Scan# 3111

Delta R.T. 0.00 min

Lab File: BG028448.D

Acq: 23 Aug 2017 13:26

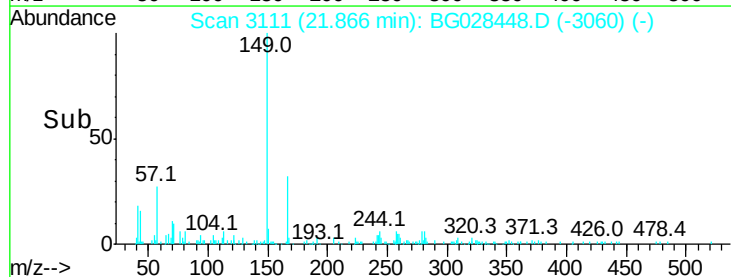
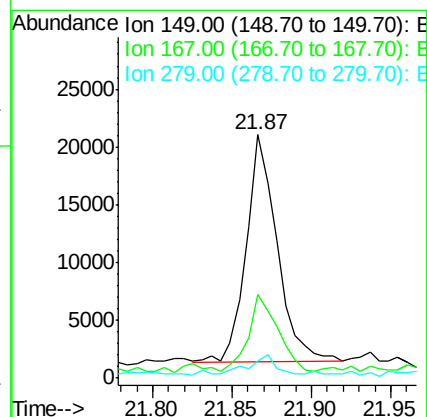
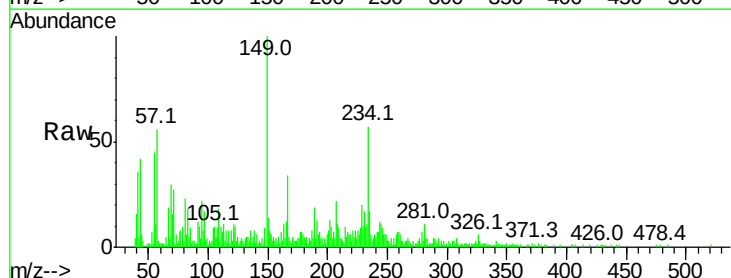
Tgt Ion:149 Resp: 26623

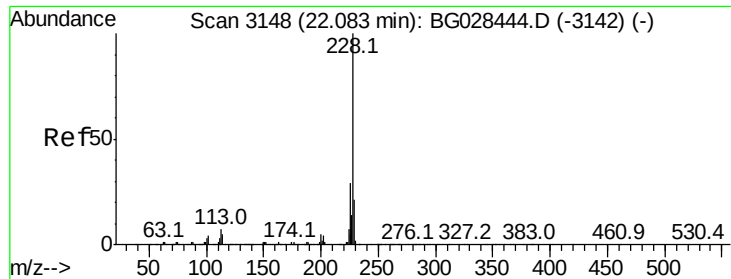
Ion	Ratio	Lower	Upper
149	100		
167	34.1	21.8	32.8#
279	6.9	4.5	6.7#

149 100

167 34.1 21.8 32.8#

279 6.9 4.5 6.7#





#82

Chrysene

Concen: 63.983 ng/ul

RT: 22.09 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BG028448.D

Acq: 23 Aug 2017 13:26

Instrument :

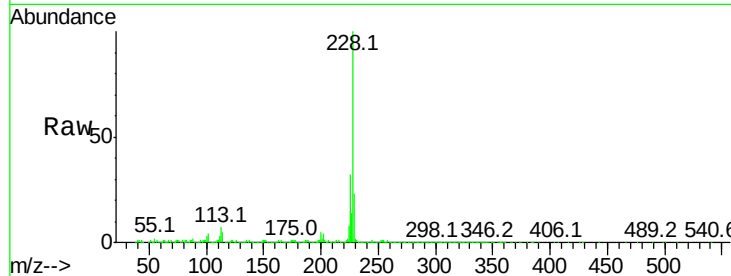
BNA_G

ClientSampleId :

E7GC0

Tot Ion:228 Resp: 1086851

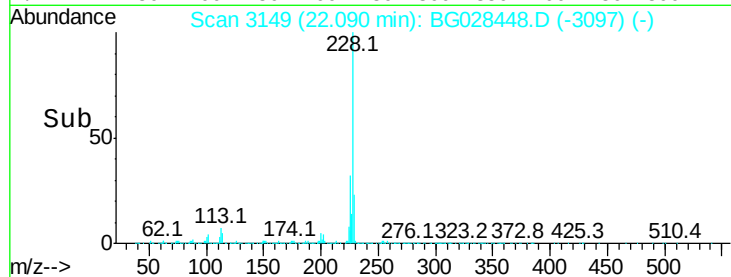
Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.0	36.0
229	23.1	16.9	25.3



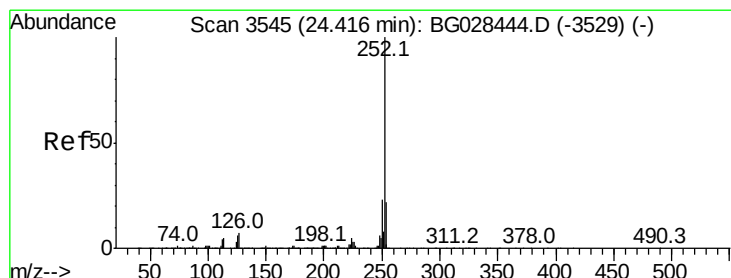
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Benzo(b)fluoranthene

Concen: 98.739 ng/ul

RT: 24.45 min Scan# 3550

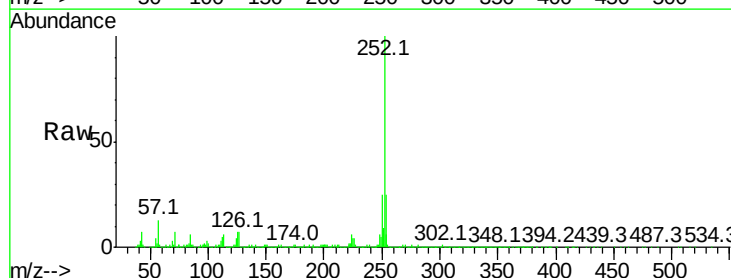
Delta R.T. 0.03 min

Lab File: BG028448.D

Acq: 23 Aug 2017 13:26

Tgt Ion:252 Resp: 1764678

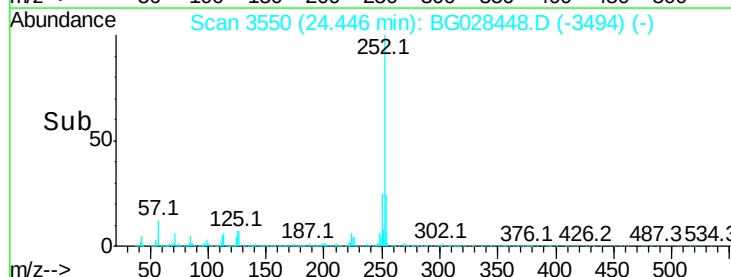
Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.7	26.5
125	6.9	4.0	6.0



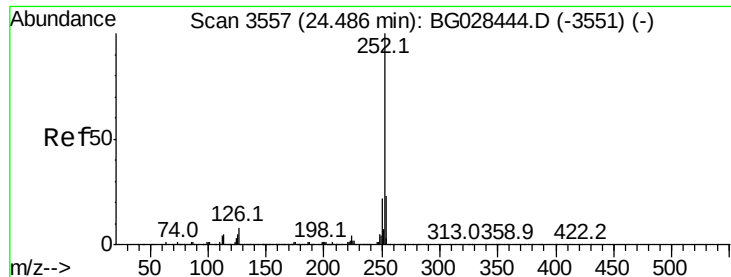
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



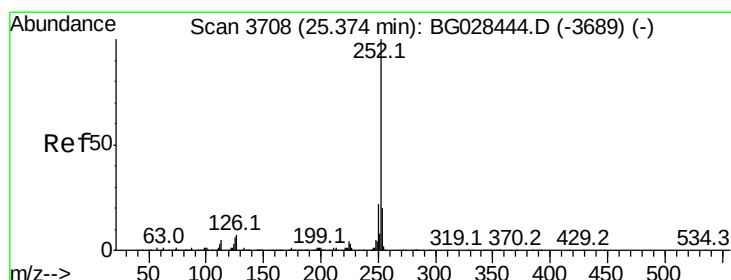
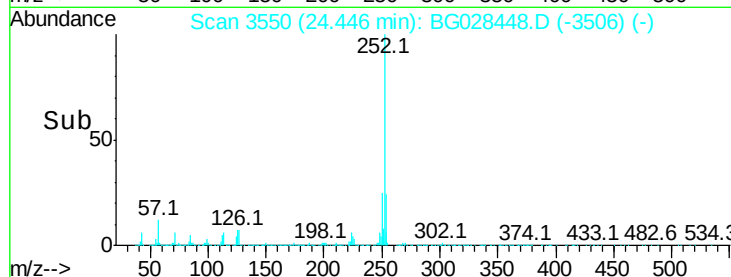
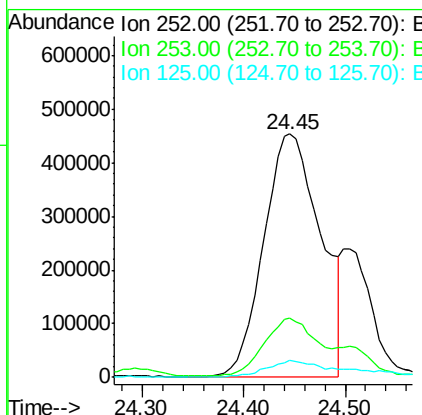
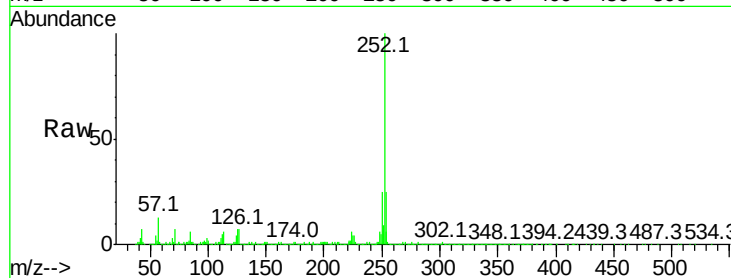
Time-->



#86
Benzo(k)fluoranthene
Concen: 101.084 ng/ul
RT: 24.45 min Scan# 3550
Delta R.T. -0.04 min
Lab File: BG028448.D
Acq: 23 Aug 2017 13:26

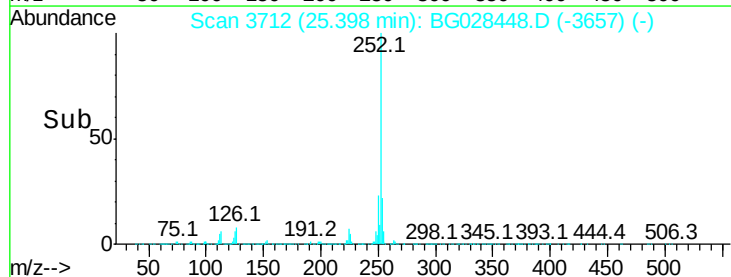
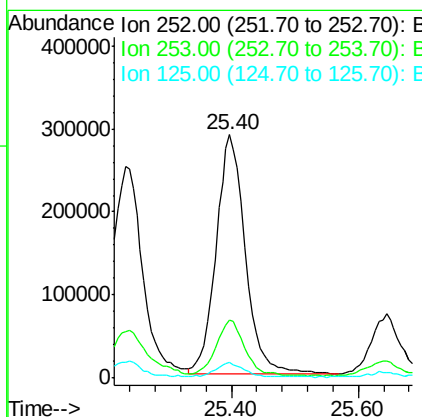
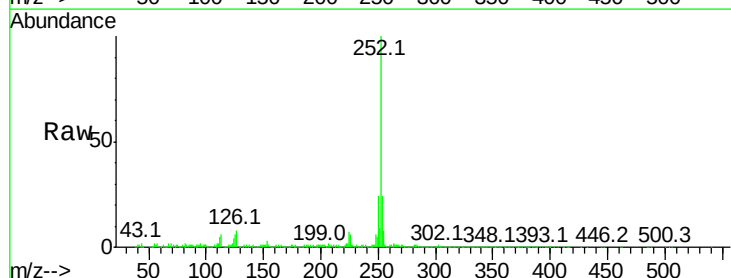
Instrument :
BNA_G
ClientSampleId :
E7GC0

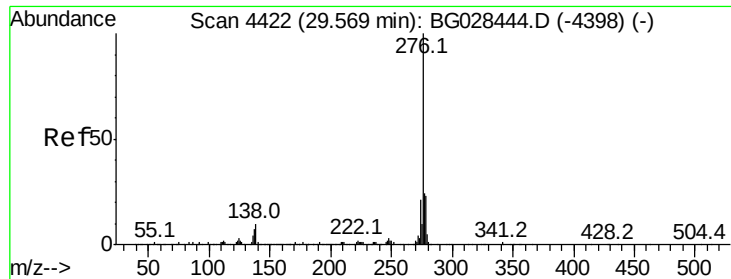
Tot Ion:252 Resp: 1764678
Ion Ratio Lower Upper
252 100
253 24.6 18.5 27.7
125 6.9 4.1 6.1#



#88
Benzo(a)pyrene
Concen: 53.341 ng/ul
RT: 25.40 min Scan# 3712
Delta R.T. 0.02 min
Lab File: BG028448.D
Acq: 23 Aug 2017 13:26

Tgt Ion:252 Resp: 923025
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.6
125 6.3 5.4 8.0



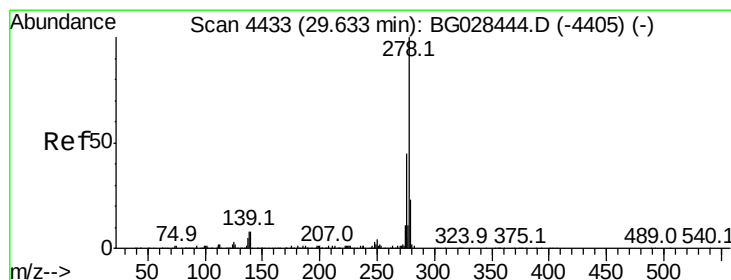
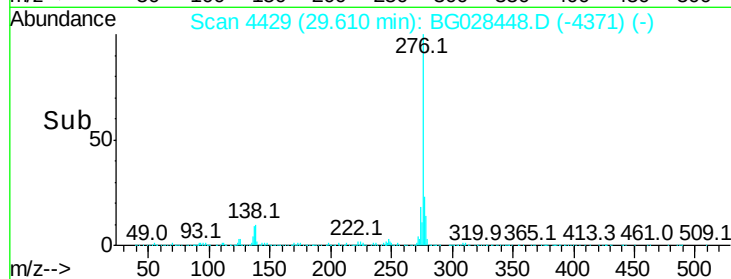
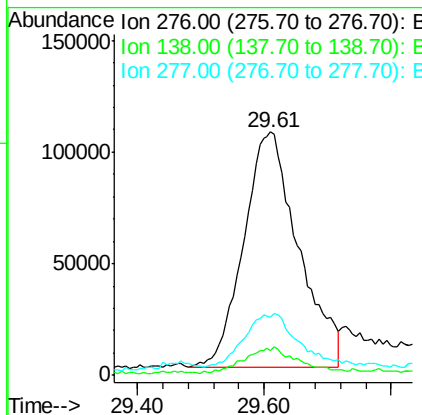
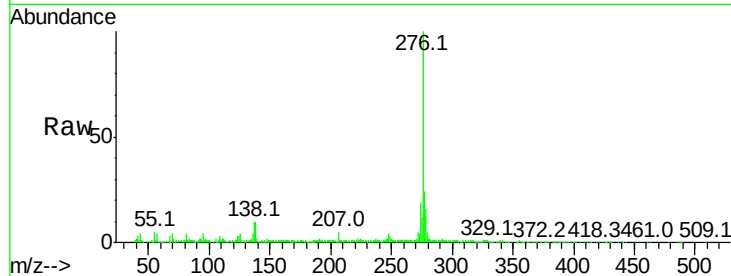


#89

Indeno(1,2,3-cd)pyrene
 Concen: 31.189 ng/ul
 RT: 29.61 min Scan# 4429
 Delta R.T. 0.04 min
 Lab File: BG028448.D
 Acq: 23 Aug 2017 13:26

Instrument :
 BNA_G
 ClientSampleId :
 E7GC0

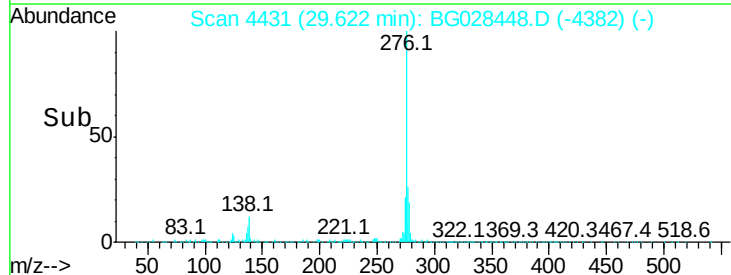
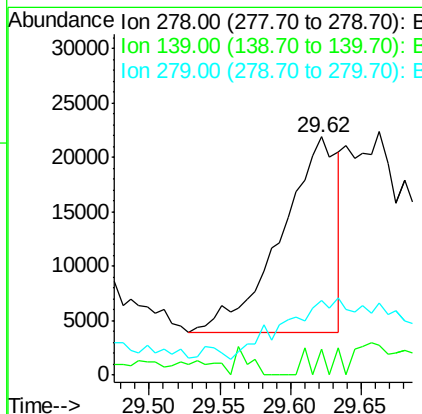
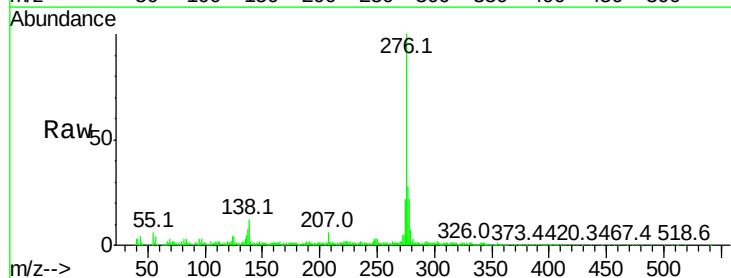
Tot Ion	Ratio	Lower	Upper
276	100		
138	10.3	8.2	12.4
277	24.0	18.6	28.0

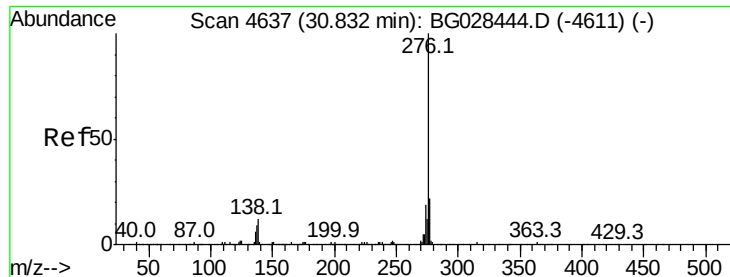


#90

Dibenzo(a,h)anthracene
 Concen: 2.932 ng/ul
 RT: 29.62 min Scan# 4431
 Delta R.T. -0.01 min
 Lab File: BG028448.D
 Acq: 23 Aug 2017 13:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.8	6.7	10.1#
279	31.3	20.9	31.3





#91

Benzo(a,h,i)perylene

Concen: 34.162 ng/ul

RT: 30.88 min Scan# 4645

Delta R.T. 0.05 min

Lab File: BG028448.D

Acq: 23 Aug 2017 13:26

Instrument :

BNA_G

ClientSampleId :

E7GC0

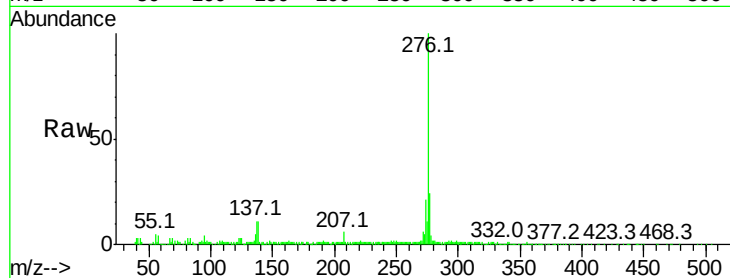
Tot Ion:276 Resp: 569515

Ion Ratio Lower Upper

276 100

138 10.7 8.6 12.8

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

