

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082517\
 Data File : BG082501.D
 Acq On : 25 Aug 2017 21:41
 Operator : SJ/JU
 Sample : I4885-16
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0AT6

Quant Time: Aug 26 01:56:40 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 26 01:54:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	38186	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	161287	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	110135	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.70	188	260069	20.00	ng/ul	0.00
75) Chrysene-d12	22.04	240	317682	20.00	ng/ul	0.00
83) Perylene-d12	25.31	264	524849	20.00	ng/ul	-0.23

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.82	96	4083	4.98	ng/uL	0.00
5) Phenol-d5	7.49	99	114389	27.27	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.65	67	69878	26.31	ng/ul	0.00
9) 2-Chlorophenol-d4	7.87	132	82465	31.17	ng/ul	0.00
13) 4-Methylphenol-d8	9.04	113	94966	27.09	ng/ul	0.00
19) Nitrobenzene-d5	9.51	128	44178	35.03	ng/ul	0.00
22) 2-Nitrophenol-d4	10.23	143	52091	37.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.78	165	101301	35.41	ng/ul	0.00
29) 4-Chloroaniline-d4	11.29	131	58257	18.29	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	341201	34.83	ng/ul	0.00
46) Acenaphthylene-d8	14.64	160	394514	35.72	ng/ul	0.00
51) 4-Nitrophenol-d4	15.15	143	46295	29.72	ng/ul	0.00
57) Fluorene-d10	15.94	176	286507	32.60	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.07	200	43037	25.47	ng/ul	0.00
70) Anthracene-d10	17.80	188	467950	37.52	ng/ul	0.00
76) Pyrene-d10	20.08	212	558276	34.27	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.31	264	492611	20.05	ng/ul	0.02

Target Compounds

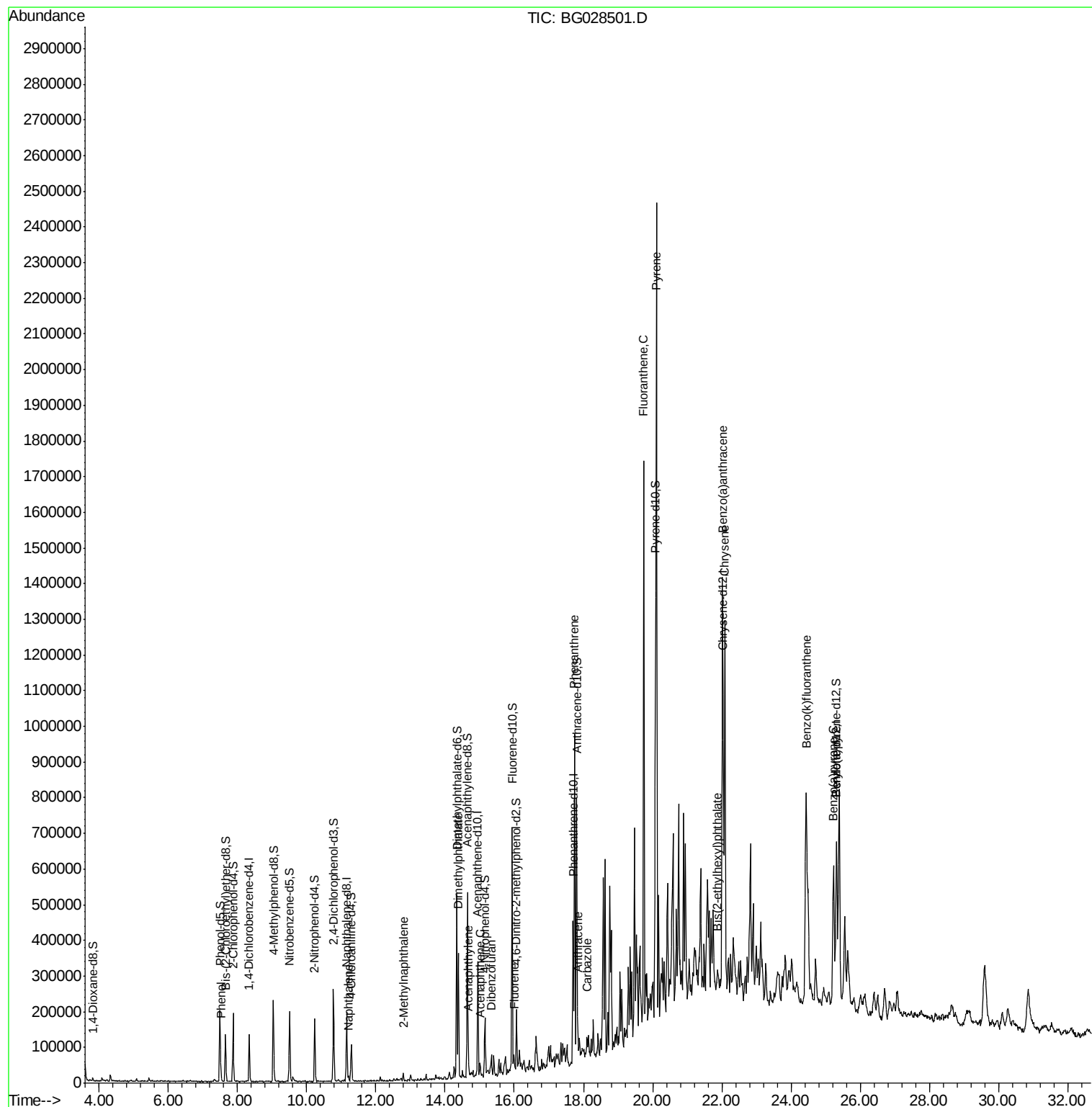
					Ovalue	
6) Phenol	7.52	94	8325	1.997	ng/ul#	81
28) Naphthalene	11.21	128	11612	1.454	ng/ul#	93
34) 2-Methylnaphthalene	12.79	142	9524	1.484	ng/ul	99
44) Dimethylphthalate	14.38	163	199905	22.164	ng/ul	98
47) Acenaphthylene	14.68	152	32254	3.056	ng/ul#	92
49) Acenaphthene	15.01	153	13321	1.871	ng/ul#	86
53) Dibenzofuran	15.34	168	10684	1.029	ng/ul	90
58) Fluorene	15.99	166	22721	2.472	ng/ul#	95
69) Phenanthrene	17.75	178	574925	43.927	ng/ul	99
71) Anthracene	17.84	178	87415	6.535	ng/ul	99
72) Carbazole	18.10	167	24514	2.107	ng/ul	95
74) Fluoranthene	19.74	202	1021419	64.216	ng/ul	99
77) Pyrene	20.11	202	1408472	74.313	ng/ul	98
80) Benzo(a)anthracene	22.02	228	777922	42.381	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.86	149	15254	1.511	ng/ul#	90
82) Chrysene	22.09	228	826945	50.024	ng/ul	96
86) Benzo(k)fluoranthene	24.43	252	822762	26.818	ng/ul	97
88) Benzo(a)pyrene	25.23	252	516193	16.975	ng/ul	97

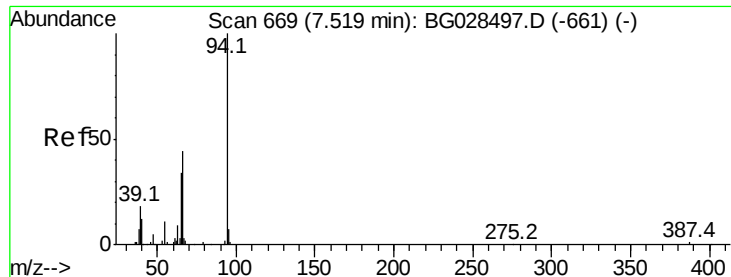
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 26 01:54:26 2017
Response via : Initial Calibration





#6

Phenol

Concen: 1.997 ng/ul

RT: 7.52 min Scan# 669

Delta R.T. 0.00 min

Lab File: BG028501.D

Acq: 25 Aug 2017 21:41

Instrument :

BNA_G

ClientSampleId :

B0AT6

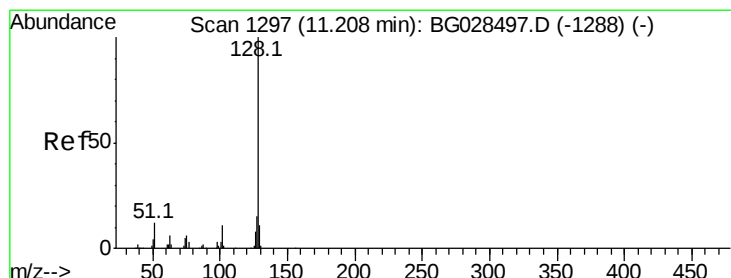
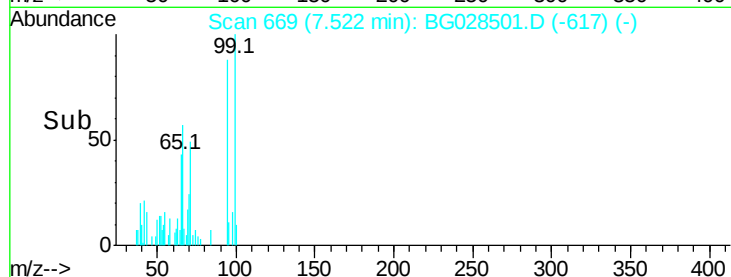
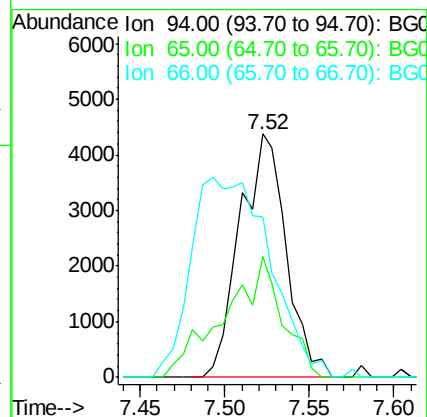
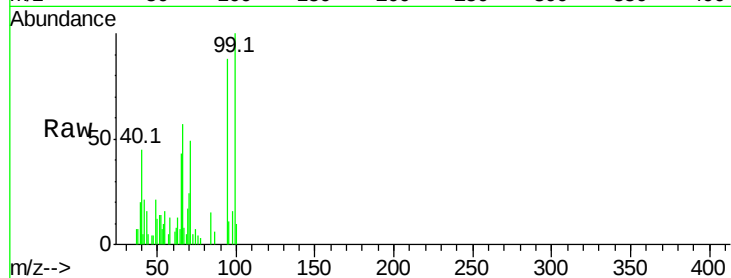
Tot Ion: 94 Resp: 8325

Ion Ratio Lower Upper

94 100

65 49.4 26.8 40.2#

66 65.6 44.4 66.6



#28

Naphthalene

Concen: 1.454 ng/ul

RT: 11.21 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BG028501.D

Acq: 25 Aug 2017 21:41

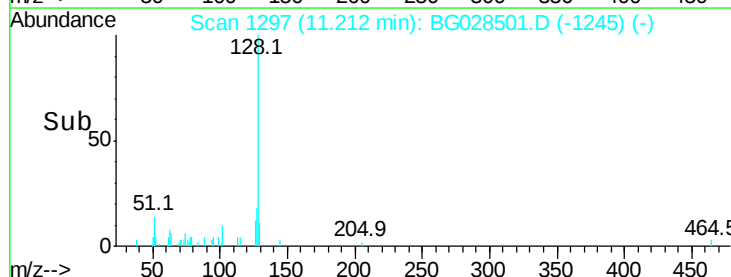
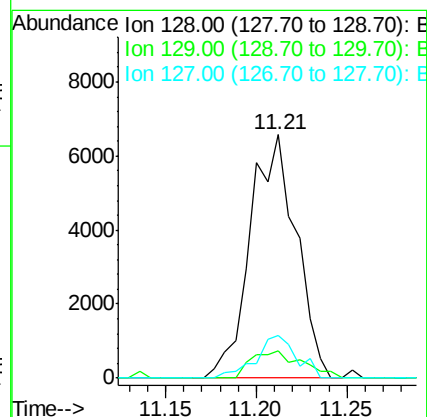
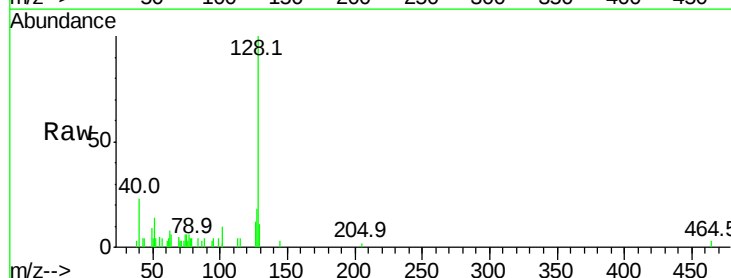
Tgt Ion:128 Resp: 11612

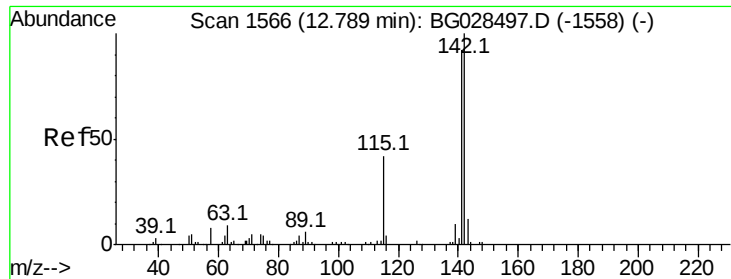
Ion Ratio Lower Upper

128 100

129 11.4 9.4 14.2

127 17.7 10.3 15.5#

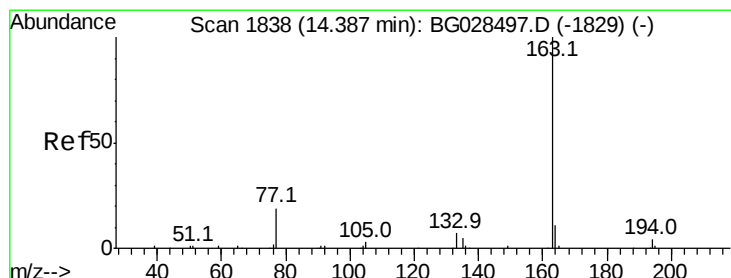
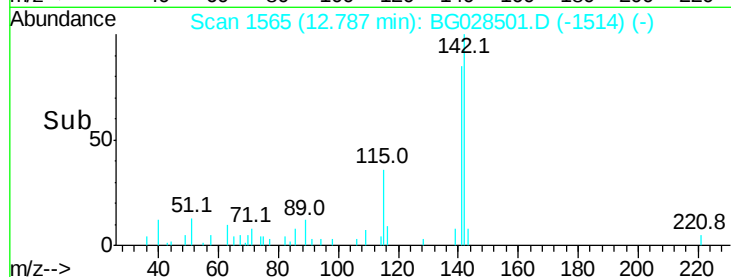
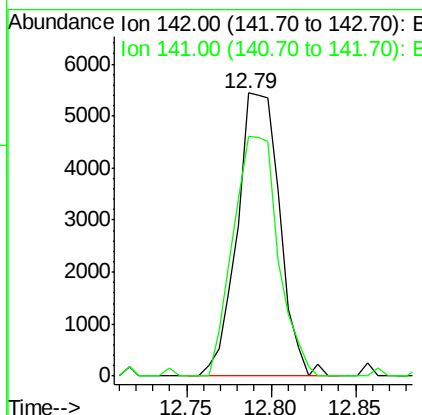
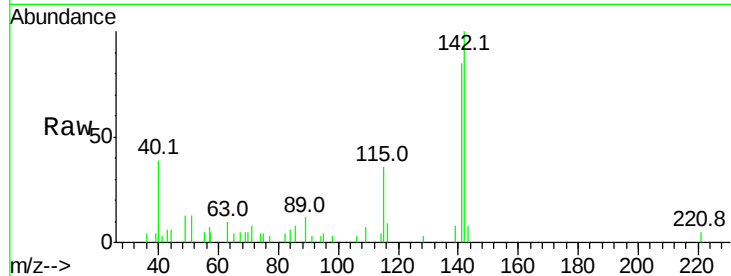




#34
 2-Methylnaphthalene
 Concen: 1.484 ng/ul
 RT: 12.79 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: BG028501.D
 Acq: 25 Aug 2017 21:41

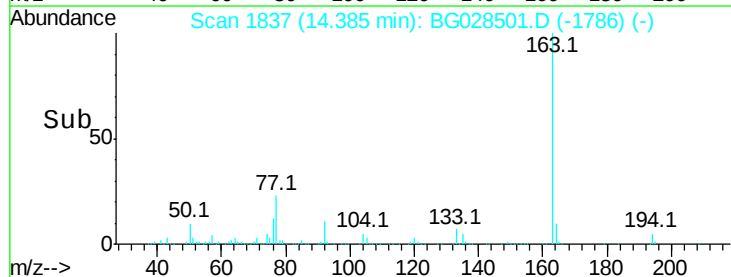
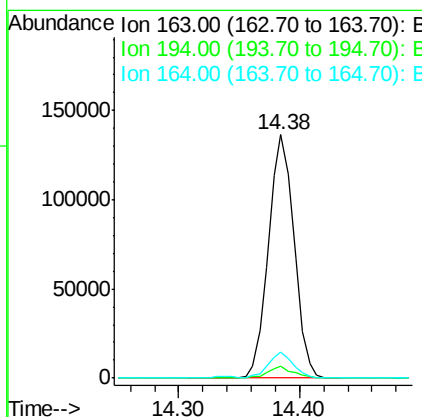
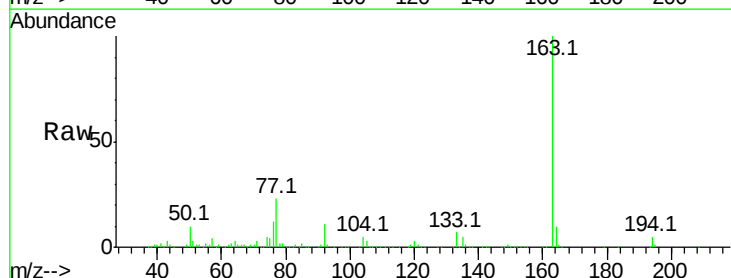
Instrument :
 BNA_G
 ClientSampleId :
 B0AT6

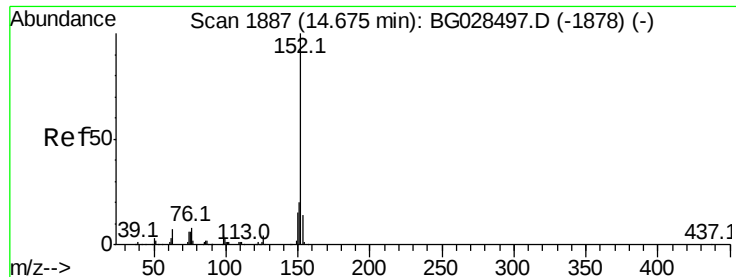
Tot Ion:142 Resp: 9524
 Ion Ratio Lower Upper
 142 100
 141 84.7 68.6 102.8



#44
 Dimethylphthalate
 Concen: 22.164 ng/ul
 RT: 14.38 min Scan# 1837
 Delta R.T. -0.00 min
 Lab File: BG028501.D
 Acq: 25 Aug 2017 21:41

Tgt Ion:163 Resp: 199905
 Ion Ratio Lower Upper
 163 100
 194 4.9 3.4 5.0
 164 10.5 9.0 13.4





#47

Acenaphthylene

Concen: 3.056 ng/ul

RT: 14.68 min Scan# 1887

Delta R.T. 0.00 min

Lab File: BG028501.D

Acq: 25 Aug 2017 21:41

Instrument :

BNA_G

ClientSampleId :

B0AT6

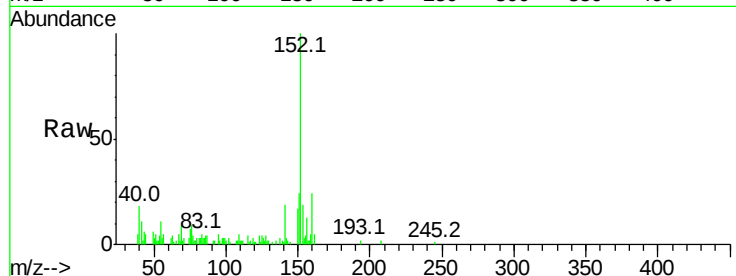
Tot Ion:152 Resp: 32254

Ion Ratio Lower Upper

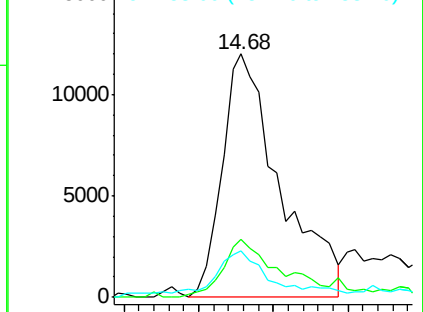
152 100

151 23.6 16.7 25.1

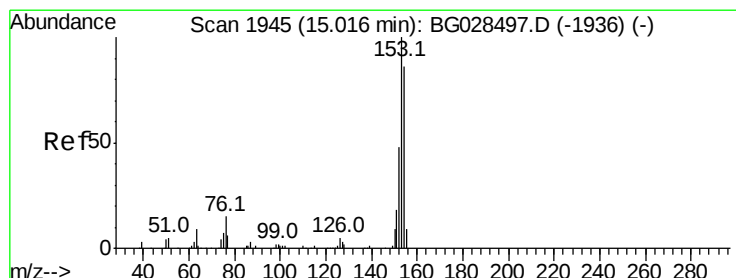
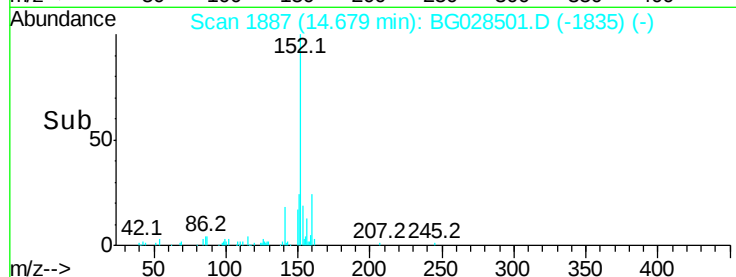
153 19.4 11.4 17.2#



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



Time-->



#49

Acenaphthene

Concen: 1.871 ng/ul

RT: 15.01 min Scan# 1944

Delta R.T. -0.00 min

Lab File: BG028501.D

Acq: 25 Aug 2017 21:41

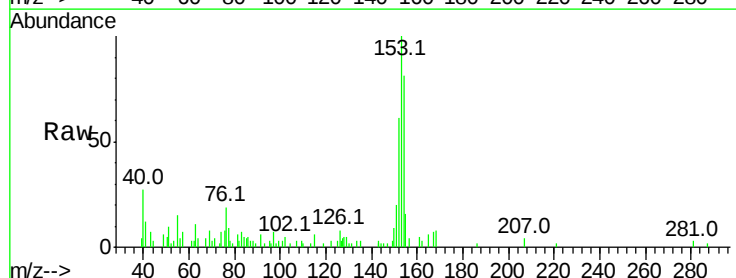
Tgt Ion:153 Resp: 13321

Ion Ratio Lower Upper

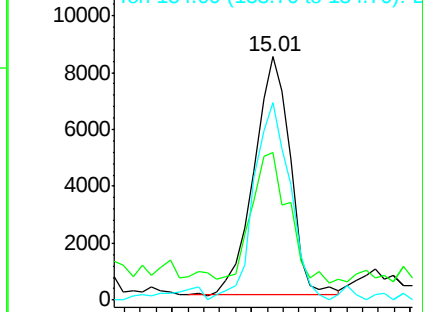
153 100

152 60.6 36.5 54.7#

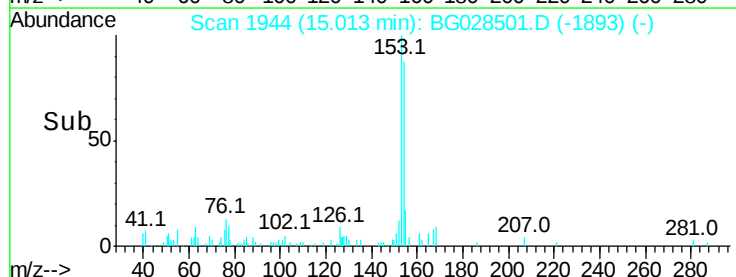
154 81.4 72.3 108.5

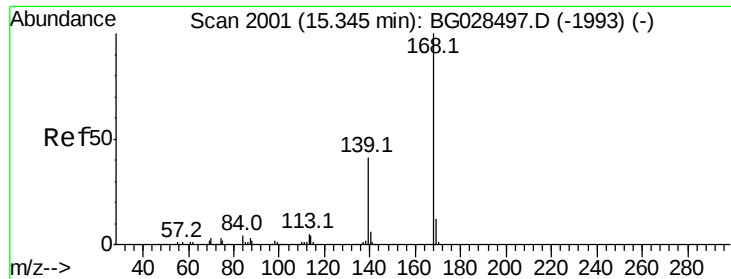


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time-->





#53

Dibenzenofuran

Concen: 1.029 ng/ul

RT: 15.34 min Scan# 2000

Delta R.T. -0.00 min

Lab File: BG028501.D

Acq: 25 Aug 2017 21:41

Instrument :

BNA_G

ClientSampleId :

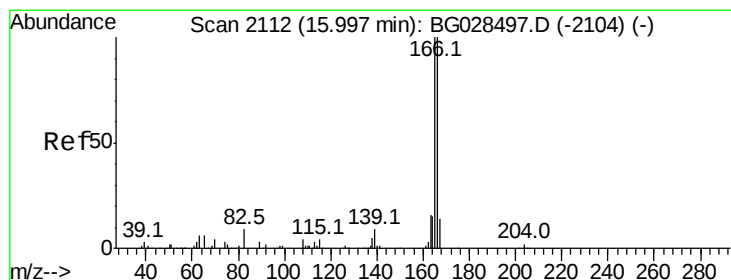
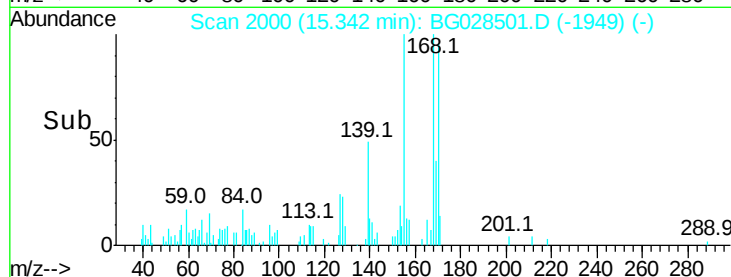
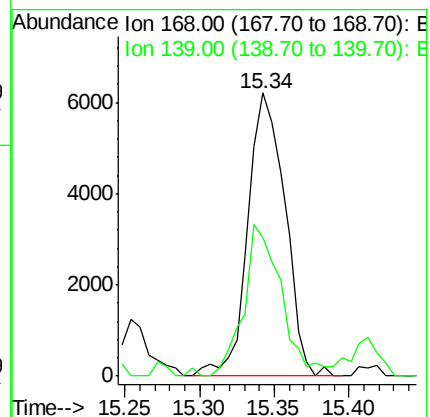
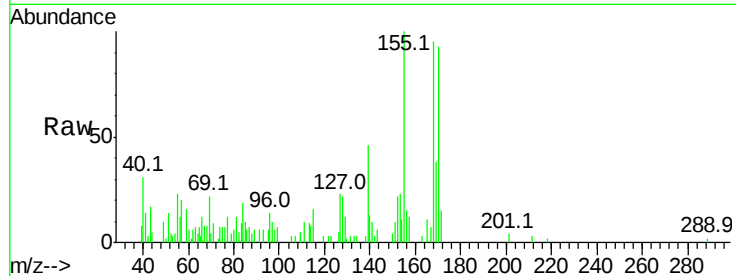
B0AT6

Tot Ion:168 Resp: 10684

Ion Ratio Lower Upper

168 100

139 48.8 33.8 50.8



#58

Fluorene

Concen: 2.472 ng/ul

RT: 15.99 min Scan# 2111

Delta R.T. -0.00 min

Lab File: BG028501.D

Acq: 25 Aug 2017 21:41

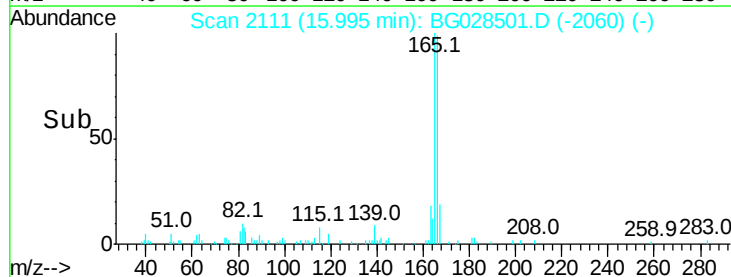
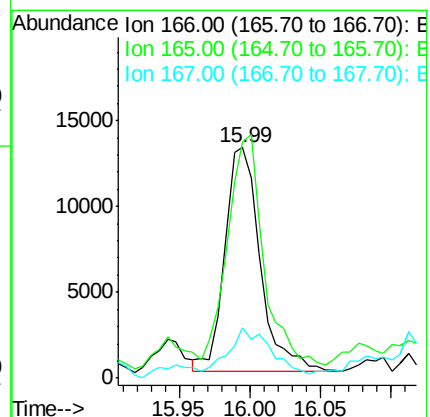
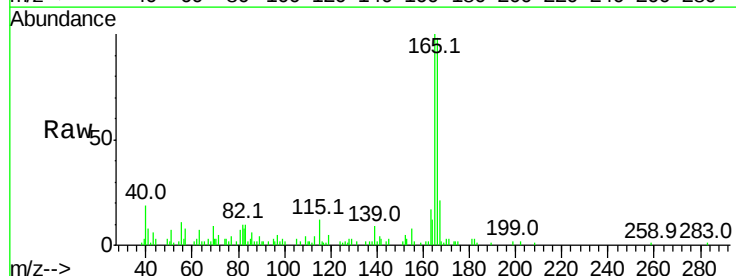
Tgt Ion:166 Resp: 22721

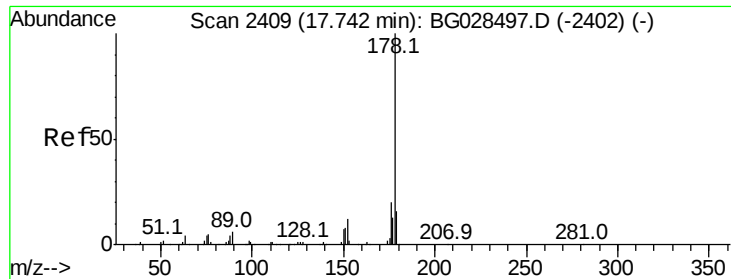
Ion Ratio Lower Upper

166 100

165 102.4 79.7 119.5

167 21.9 11.4 17.2#





#69

Phenanthrene

Concen: 43.927 ng/ul

RT: 17.75 min Scan# 2409

Delta R.T. 0.00 min

Lab File: BG028501.D

Acq: 25 Aug 2017 21:41

Instrument :

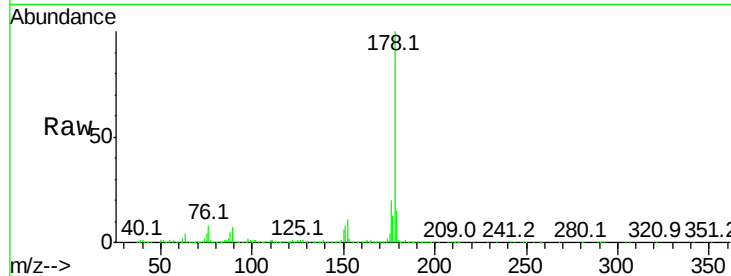
BNA_G

ClientSampleId :

B0AT6

Tot Ion:178 Resp: 574925

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.4	18.6
176	20.0	16.5	24.7

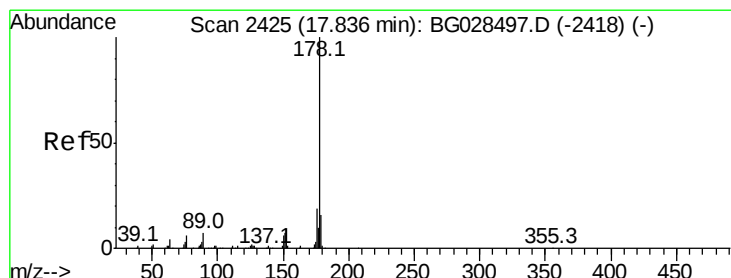
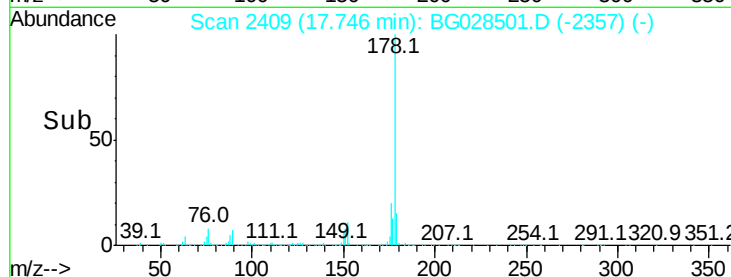
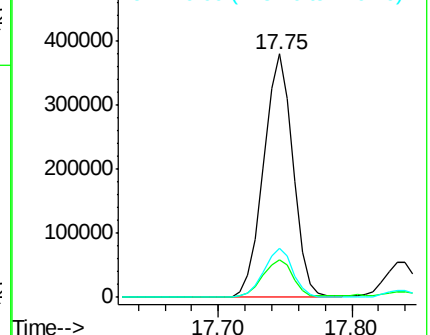


Abundance

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: 6.535 ng/ul

RT: 17.84 min Scan# 2425

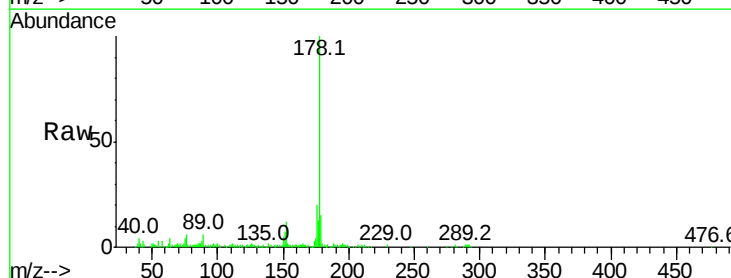
Delta R.T. 0.00 min

Lab File: BG028501.D

Acq: 25 Aug 2017 21:41

Tgt Ion:178 Resp: 87415

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	19.0
176	19.7	15.9	23.9

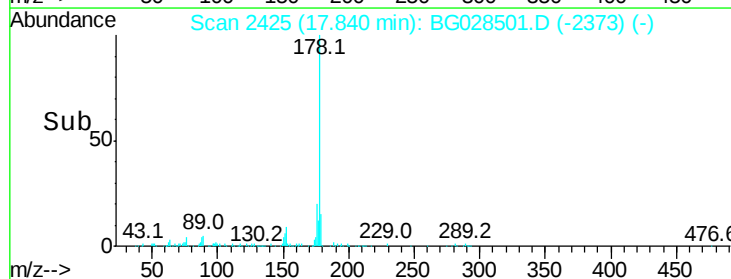
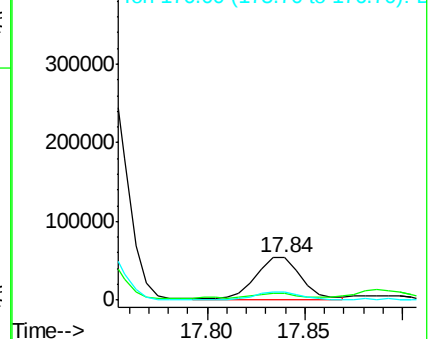


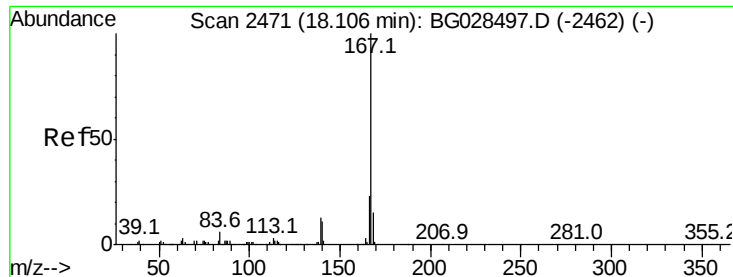
Abundance

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

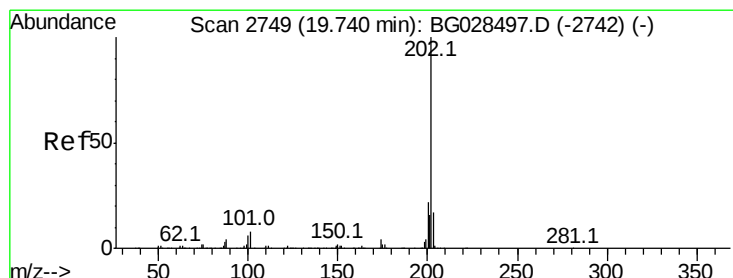
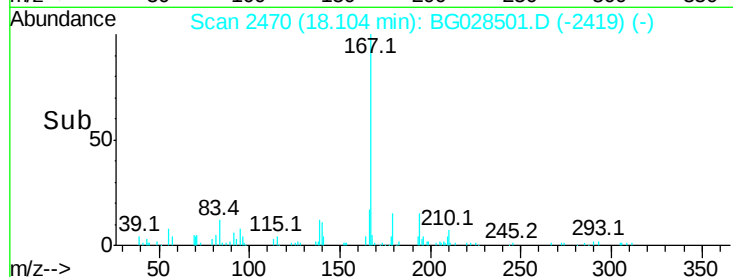
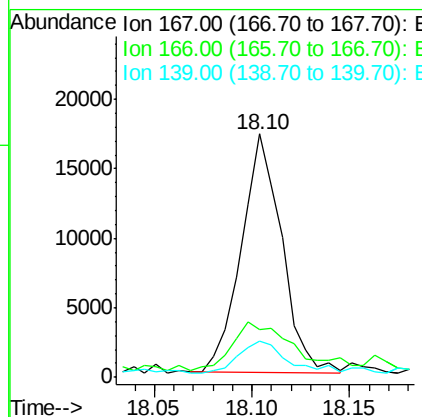
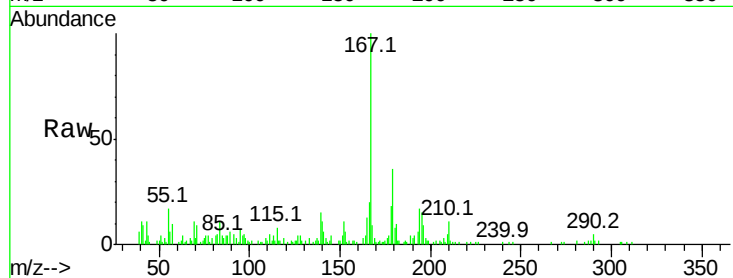




#72
 Carbazole
 Concen: 2.107 ng/ul
 RT: 18.10 min Scan# 2470
 Delta R.T. -0.00 min
 Lab File: BG028501.D
 Acq: 25 Aug 2017 21:41

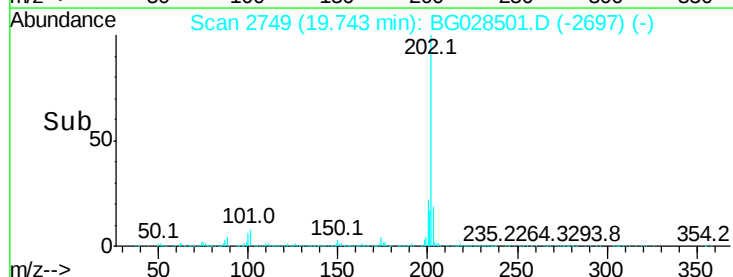
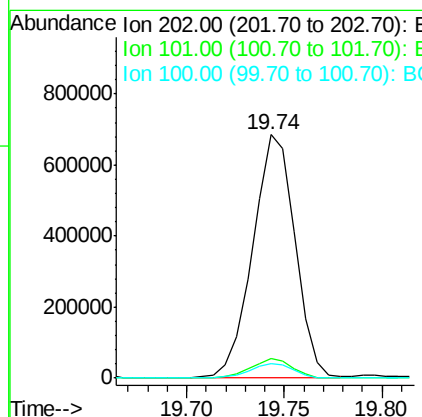
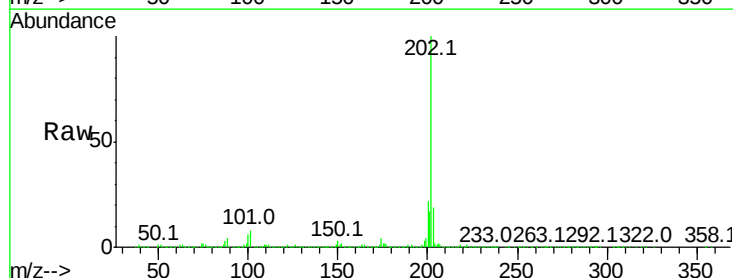
Instrument :
 BNA_G
 ClientSampleId :
 B0AT6

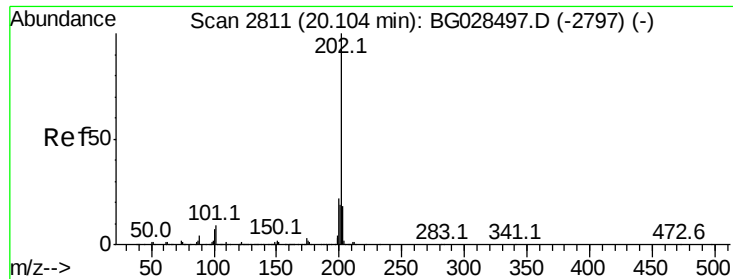
Tot Ion	Ratio	Lower	Upper
167	100		
166	19.8	17.9	26.9
139	14.7	10.5	15.7



#74
 Fluoranthene
 Concen: 64.216 ng/ul
 RT: 19.74 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: BG028501.D
 Acq: 25 Aug 2017 21:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	6.2	9.2
100	6.2	5.2	7.8





#77

Pvrene

Concen: 74.313 ng/ul

RT: 20.11 min Scan# 2811

Delta R.T. 0.00 min

Lab File: BG028501.D

Acq: 25 Aug 2017 21:41

Instrument :

BNA_G

ClientSampleId :

B0AT6

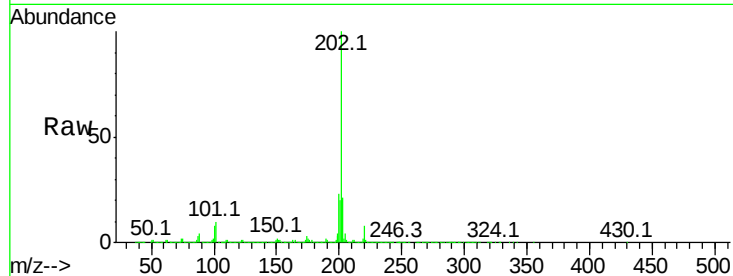
Tot Ion:202 Resp: 1408472

Ion Ratio Lower Upper

202 100

101 9.7 6.9 10.3

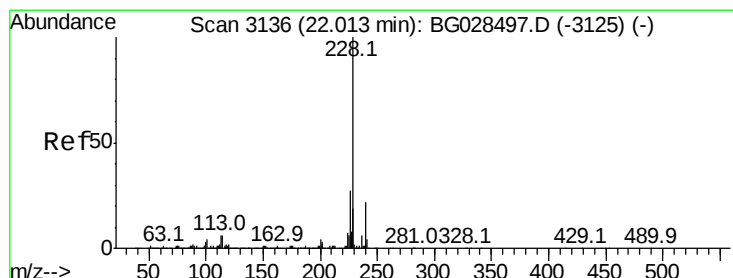
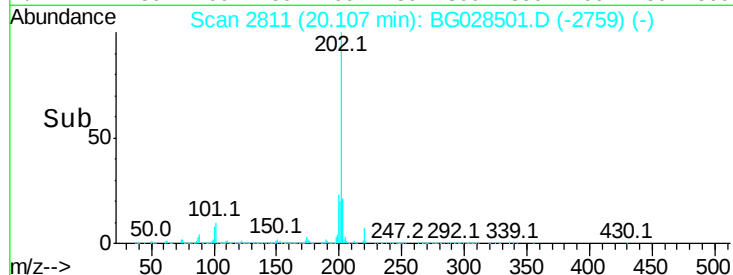
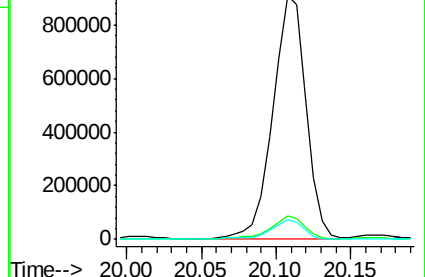
100 8.0 6.6 10.0



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: 42.381 ng/ul

RT: 22.02 min Scan# 3136

Delta R.T. 0.00 min

Lab File: BG028501.D

Acq: 25 Aug 2017 21:41

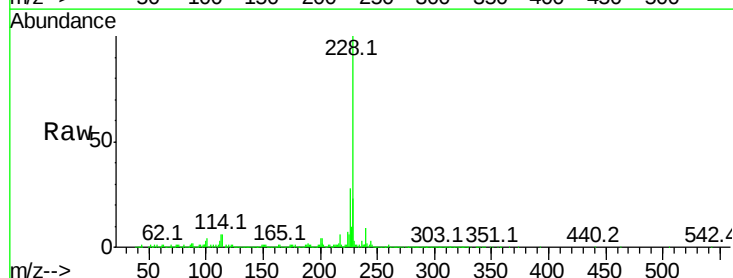
Tgt Ion:228 Resp: 777922

Ion Ratio Lower Upper

228 100

229 23.2 16.3 24.5

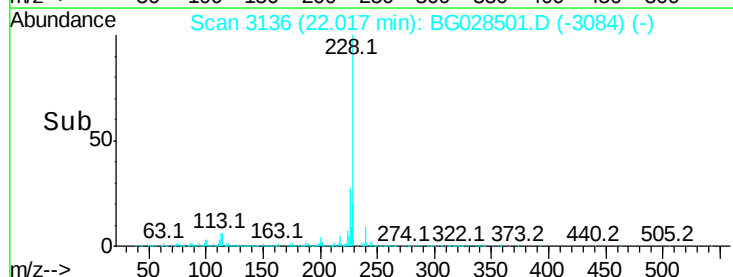
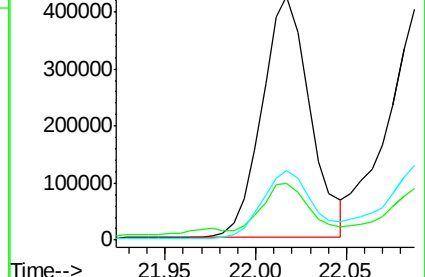
226 28.5 21.9 32.9

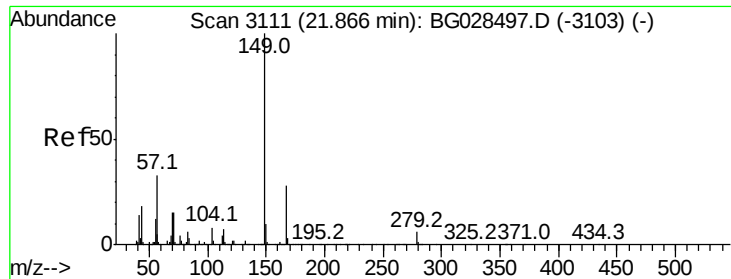


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

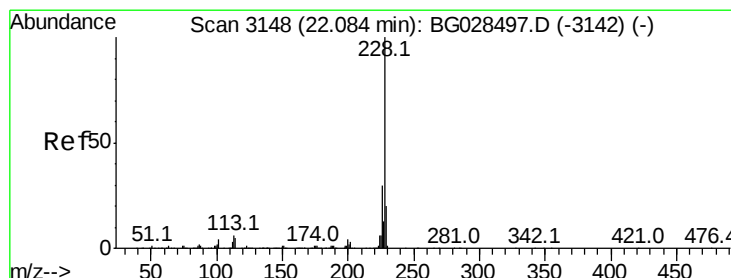
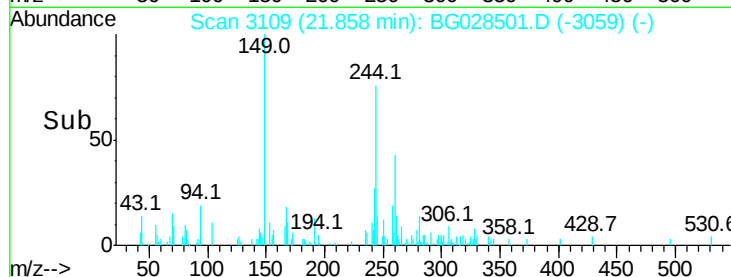
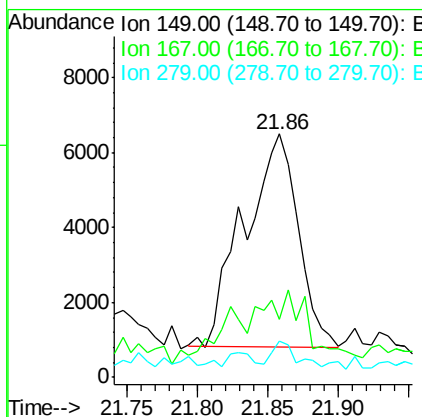
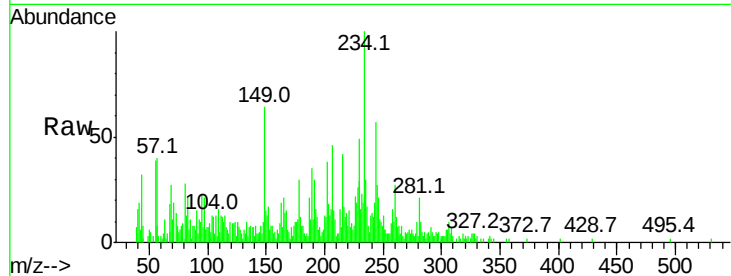




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 1.511 ng/ul
 RT: 21.86 min Scan# 3109
 Delta R.T. -0.01 min
 Lab File: BG028501.D
 Acq: 25 Aug 2017 21:41

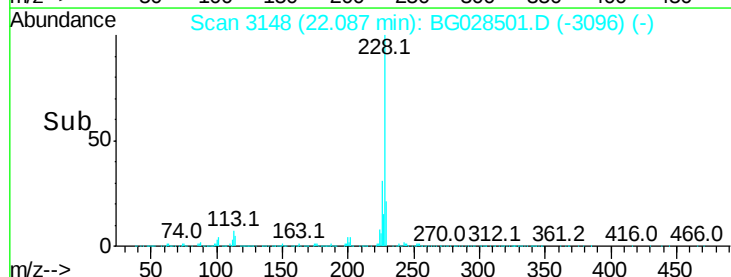
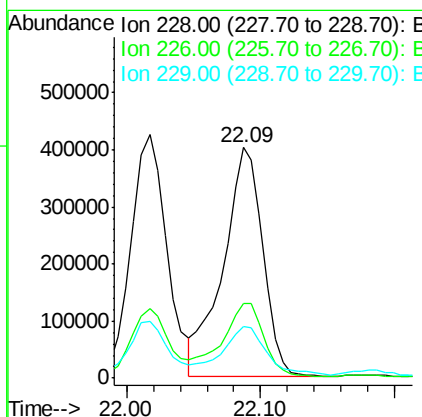
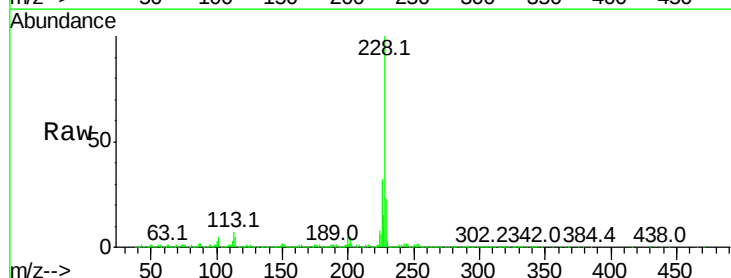
Instrument :
 BNA_G
 ClientSampleId :
 B0AT6

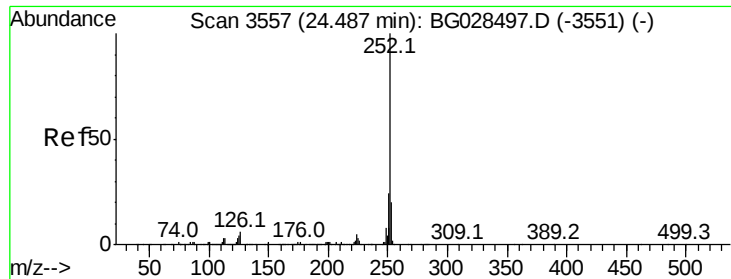
Tot Ion	Ratio	Lower	Upper
149	100		
167	24.0	21.8	32.8
279	15.0	4.5	6.7#



#82
 Chrysene
 Concen: 50.024 ng/ul
 RT: 22.09 min Scan# 3148
 Delta R.T. 0.00 min
 Lab File: BG028501.D
 Acq: 25 Aug 2017 21:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.0	36.0
229	22.6	16.9	25.3





#86

Benzo(k)fluoranthene

Concen: 26.818 ng/ul

RT: 24.43 min Scan# 3547

Delta R.T. -0.06 min

Lab File: BG028501.D

Acq: 25 Aug 2017 21:41

Instrument :

BNA_G

ClientSampled :

B0AT6

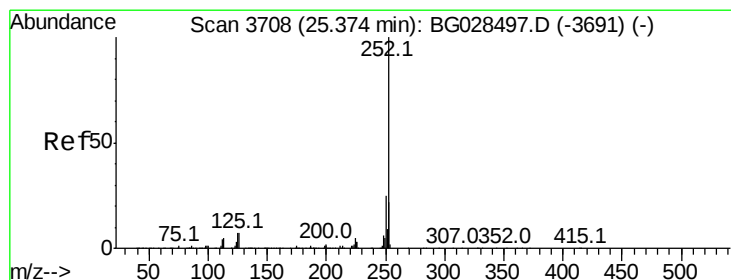
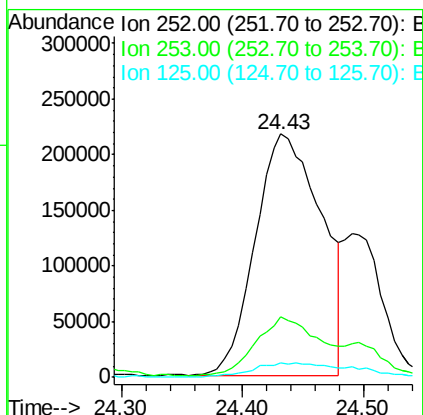
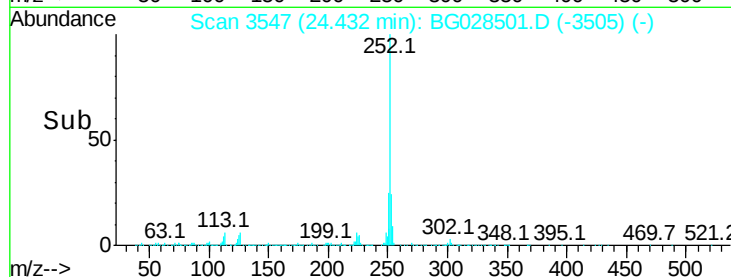
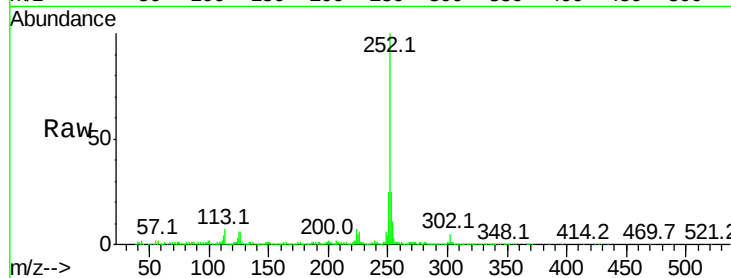
Tot Ion:252 Resp: 822762

Ion Ratio Lower Upper

252 100

253 24.6 18.5 27.7

125 6.0 4.1 6.1



#88

Benzo(a)pyrene

Concen: 16.975 ng/ul

RT: 25.23 min Scan# 3683

Delta R.T. -0.14 min

Lab File: BG028501.D

Acq: 25 Aug 2017 21:41

Tgt Ion:252 Resp: 516193

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.6

125 7.8 5.4 8.0

