

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
 Data File : BG082534.D
 Acq On : 29 Aug 2017 1:09
 Operator : SJ/JU
 Sample : I4905-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0AY0

Quant Time: Aug 29 04:00:36 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 29 03:57:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	38477	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	160747	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	110030	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.70	188	268657	20.00	ng/ul	0.00
75) Chrysene-d12	22.04	240	330519	20.00	ng/ul	0.01
83) Perylene-d12	25.55	264	319954	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.83	96	4702	5.69	ng/uL	0.00
5) Phenol-d5	7.50	99	129423	30.63	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.66	67	82305	30.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.88	132	95777	35.93	ng/ul	0.00
13) 4-Methylphenol-d8	9.04	113	107594	30.46	ng/ul	0.00
19) Nitrobenzene-d5	9.51	128	51387	40.88	ng/ul	0.00
22) 2-Nitrophenol-d4	10.24	143	59033	42.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.78	165	115946	40.66	ng/ul	0.00
29) 4-Chloroaniline-d4	11.29	131	110569	34.84	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	380062	38.84	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	444409	40.28	ng/ul	0.00
51) 4-Nitrophenol-d4	15.16	143	51388	33.02	ng/ul	0.02
57) Fluorene-d10	15.94	176	328495	37.42	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.07	200	45194	25.90	ng/ul	0.01
70) Anthracene-d10	17.80	188	521918	40.51	ng/ul	0.00
76) Pyrene-d10	20.08	212	626752	36.98	ng/ul	0.01
87) Benzo(a)pyrene-d12	25.32	264	628046	41.93	ng/ul	0.04

Target Compounds

					Ovalue	
6) Phenol	7.52	94	11126	2.649	ng/ul#	92
28) Naphthalene	11.22	128	24380	3.062	ng/ul	98
30) 4-Chloroaniline	11.21	127	3474	1.129	ng/ul#	43
44) Dimethylphthalate	14.38	163	110848	12.302	ng/ul	98
47) Acenaphthylene	14.68	152	47214	4.478	ng/ul	96
49) Acenaphthene	15.02	153	8278	1.164	ng/ul	92
53) Dibenzofuran	15.35	168	31979	3.083	ng/ul	98
58) Fluorene	15.99	166	30811	3.355	ng/ul	100
69) Phenanthrene	17.75	178	849951	62.865	ng/ul	98
71) Anthracene	17.84	178	135900	9.835	ng/ul	98
72) Carbazole	18.11	167	73556	6.121	ng/ul	98
74) Fluoranthene	19.75	202	1484473	90.345	ng/ul	99
77) Pyrene	20.11	202	1246475	63.212	ng/ul	98
80) Benzo(a)anthracene	22.02	228	785316	41.122	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.87	149	24746	2.355	ng/ul#	88
82) Chrysene	22.09	228	740978	43.082	ng/ul	98
85) Benzo(b)fluoranthene	24.44	252	773101	40.378	ng/ul	97
86) Benzo(k)fluoranthene	24.44	252	773101	41.337	ng/ul	98
88) Benzo(a)pyrene	25.39	252	573704	30.947	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	29.58	276	109997	5.067	ng/ul#	90
90) Dibenzo(a,h)anthracene	29.62	278	84557	4.647	ng/ul	98
91) Benzo(a,h,i)perylene	30.85	276	164718	9.223	ng/ul	98

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
Data File : BG028534.D
Acq On : 29 Aug 2017 1:09
Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B0AY0

Quant Time: Aug 29 04:00:36 2017
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 29 03:57:40 2017
Response via : Initial Calibration

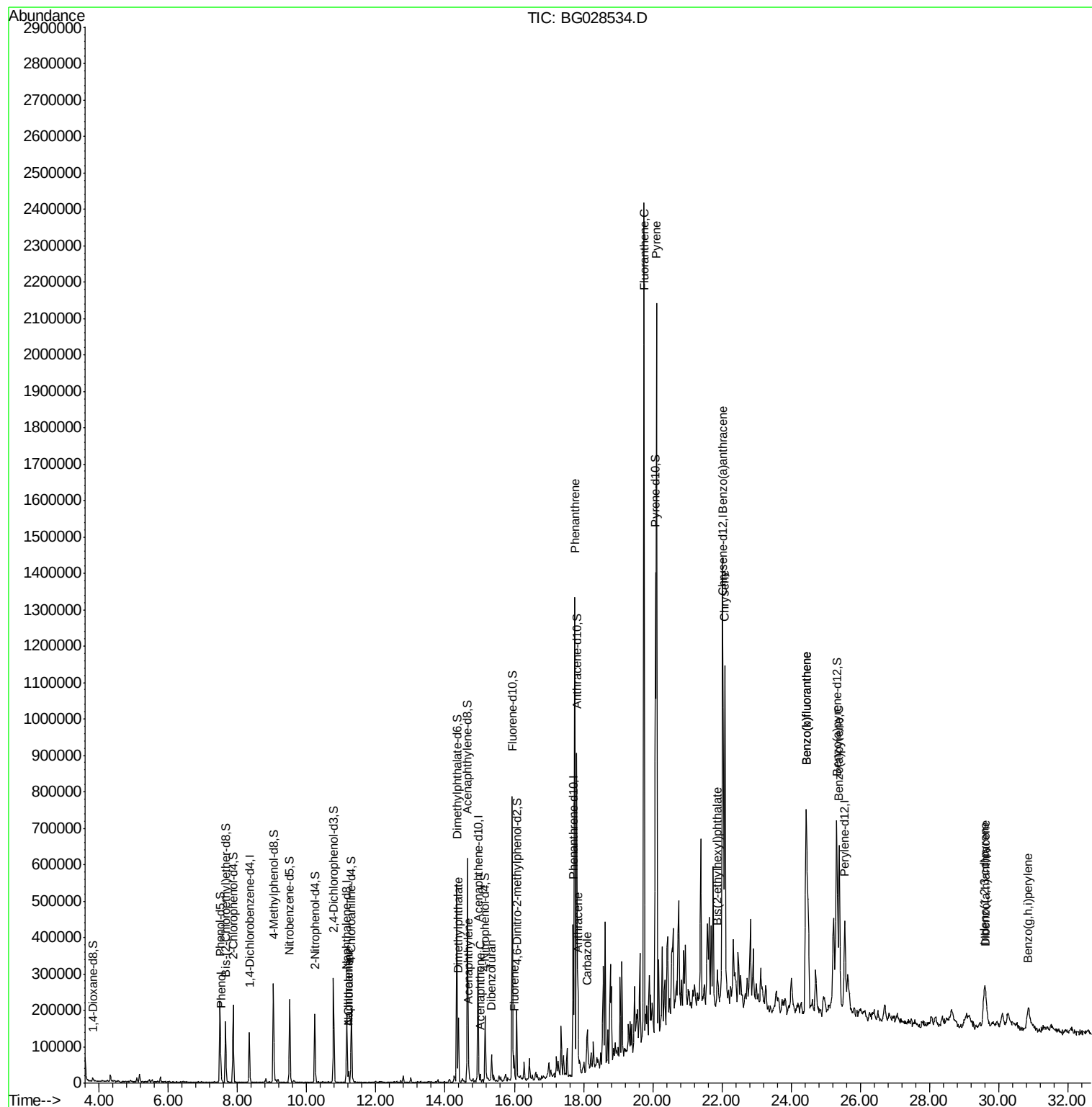
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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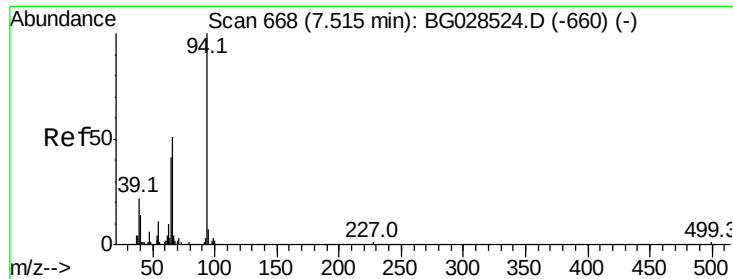
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
Data File : BG028534.D
Acq On : 29 Aug 2017 1:09
Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Time: Aug 29 04:00:36 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 29 03:57:40 2017
Response via : Initial Calibration





#6

Phenol

Concen: 2.649 ng/ul

RT: 7.52 min Scan# 669

Delta R.T. 0.01 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

Instrument :

BNA_G

ClientSampleId :

B0AY0

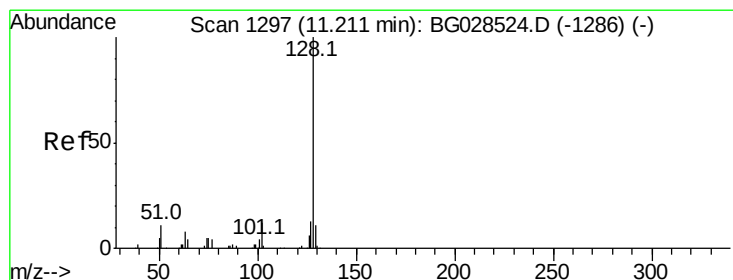
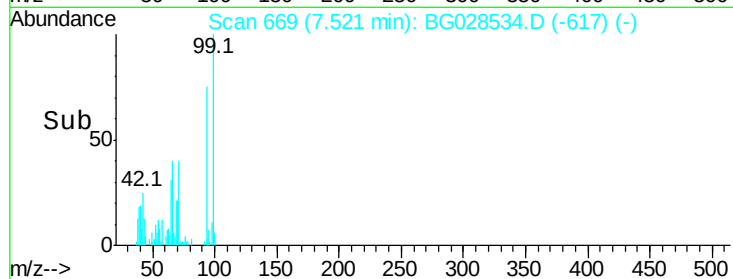
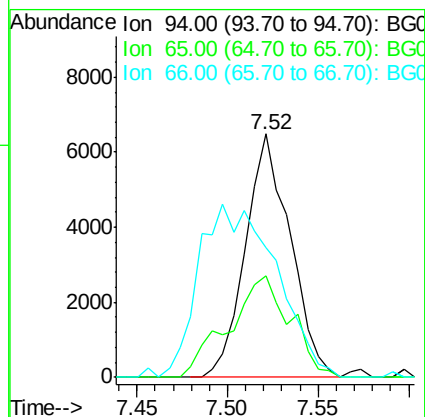
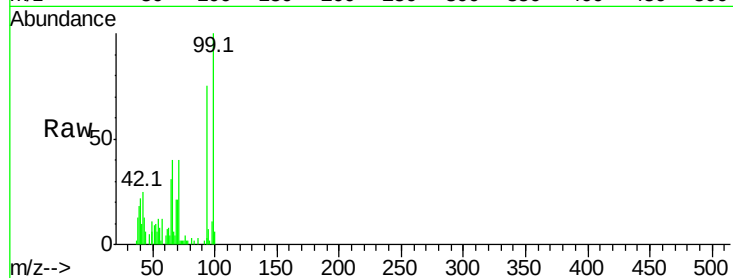
Tot Ion: 94 Resp: 11126

Ion Ratio Lower Upper

94 100

65 41.9 26.8 40.2#

66 53.1 44.4 66.6



#28

Naphthalene

Concen: 3.062 ng/ul

RT: 11.22 min Scan# 1298

Delta R.T. 0.01 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

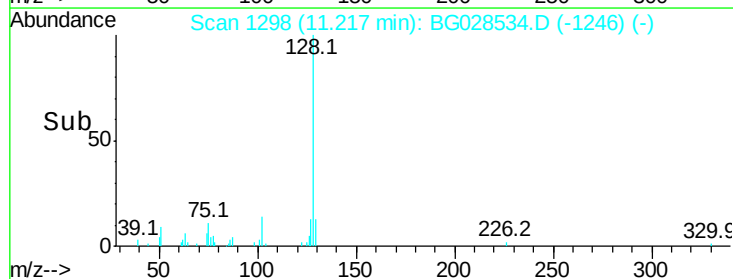
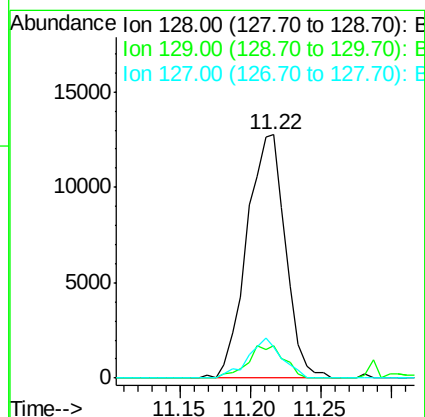
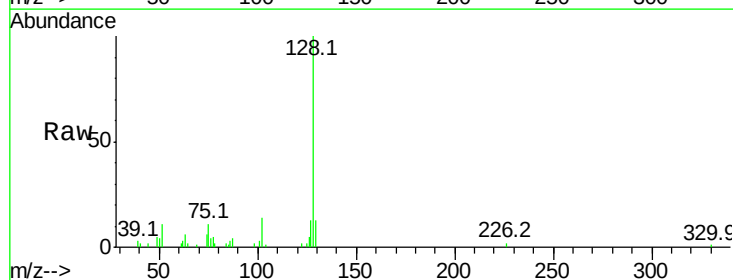
Tgt Ion:128 Resp: 24380

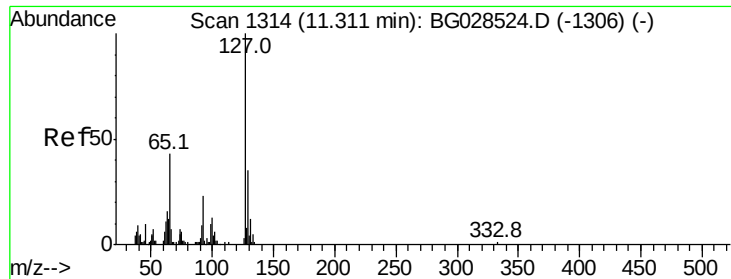
Ion Ratio Lower Upper

128 100

129 13.1 9.4 14.2

127 12.8 10.3 15.5

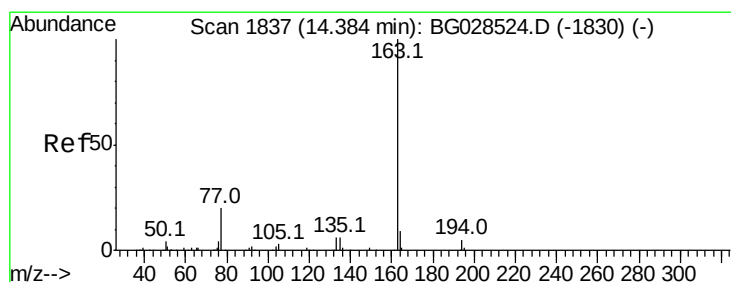
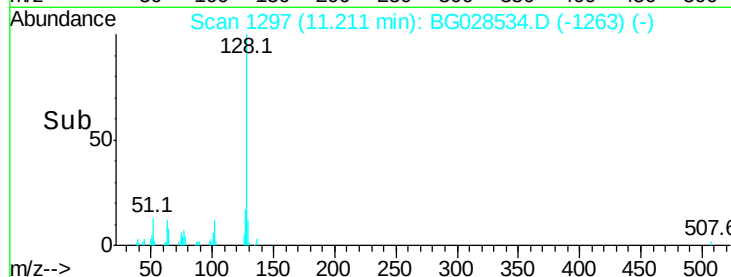
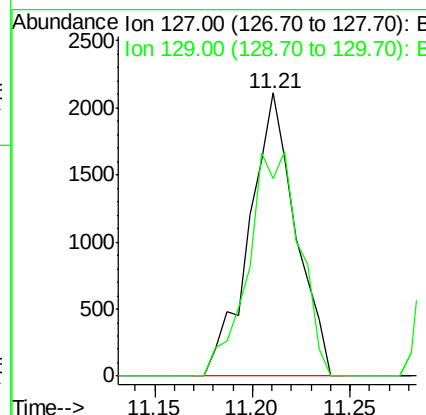
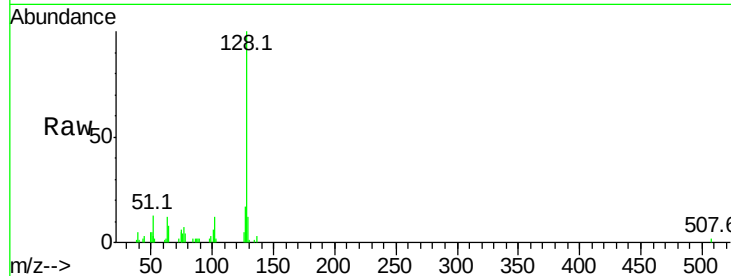




#30
4-Chloroaniline
Concen: 1.129 ng/ul
RT: 11.21 min Scan# 1297
Delta R.T. -0.10 min
Lab File: BG028534.D
Acq: 29 Aug 2017 1:09

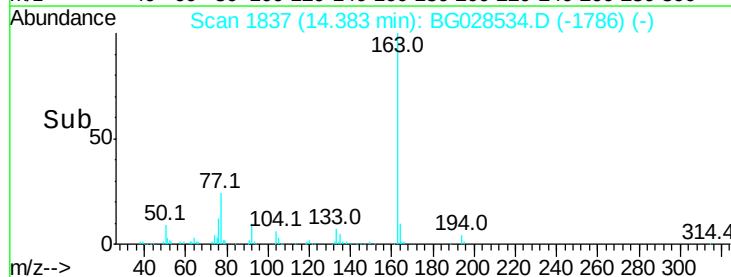
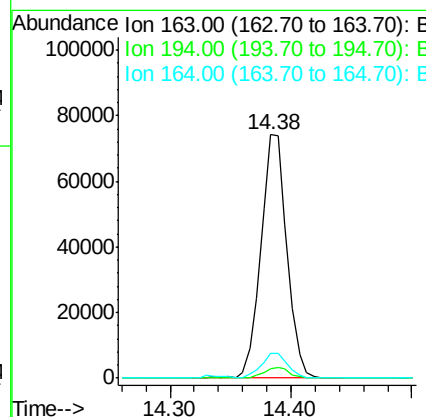
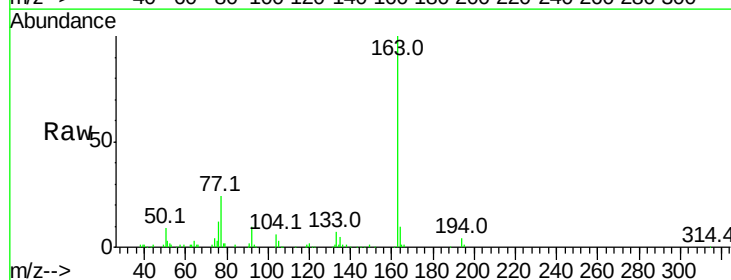
Instrument :
BNA_G
ClientSampleId :
B0AY0

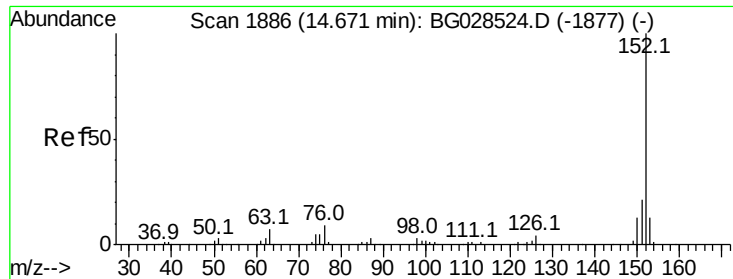
Tot Ion:127 Resp: 3474
Ion Ratio Lower Upper
127 100
129 69.8 28.9 43.3#



#44
Dimethylphthalate
Concen: 12.302 ng/ul
RT: 14.38 min Scan# 1837
Delta R.T. -0.00 min
Lab File: BG028534.D
Acq: 29 Aug 2017 1:09

Tgt Ion:163 Resp: 110848
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.3 9.0 13.4





#47

Acenaphthylene

Concen: 4.478 ng/ul

RT: 14.68 min Scan# 1887

Delta R.T. 0.01 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

Instrument :

BNA_G

ClientSampleId :

B0AY0

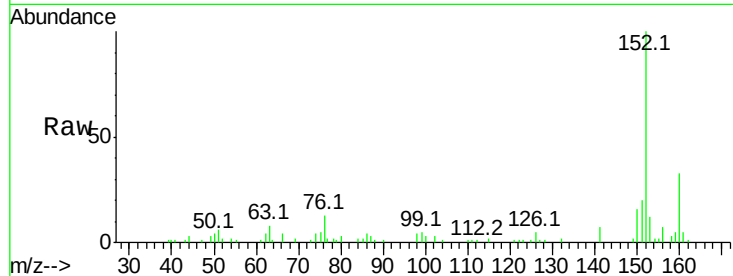
Tot Ion:152 Resp: 47214

Ion Ratio Lower Upper

152 100

151 19.6 16.7 25.1

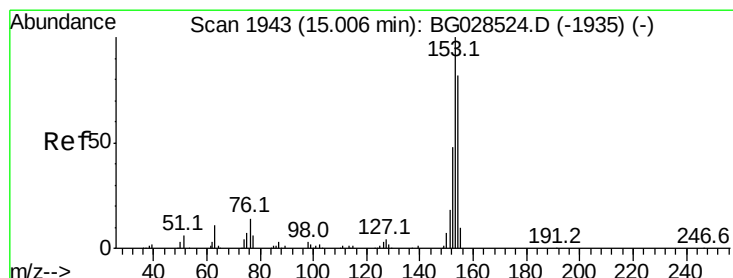
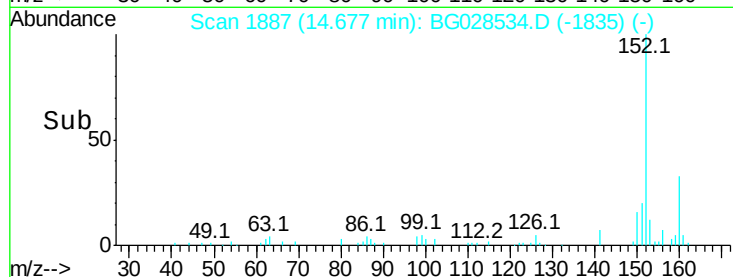
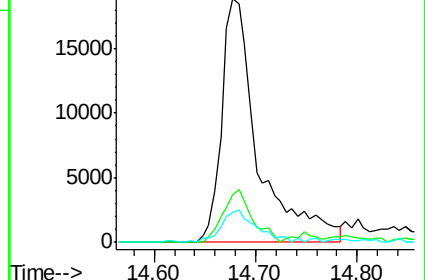
153 12.1 11.4 17.2



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



#49

Acenaphthene

Concen: 1.164 ng/ul

RT: 15.02 min Scan# 1945

Delta R.T. 0.01 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

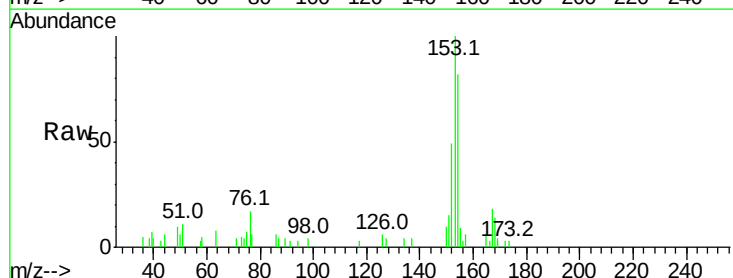
Tgt Ion:153 Resp: 8278

Ion Ratio Lower Upper

153 100

152 49.0 36.5 54.7

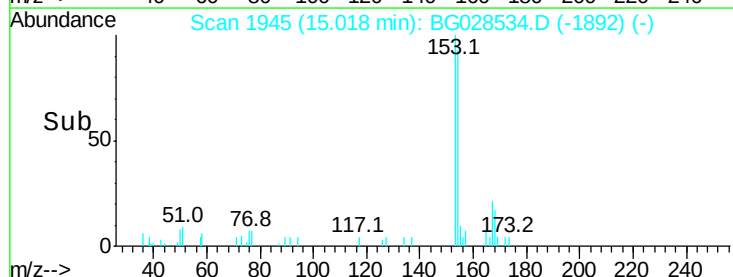
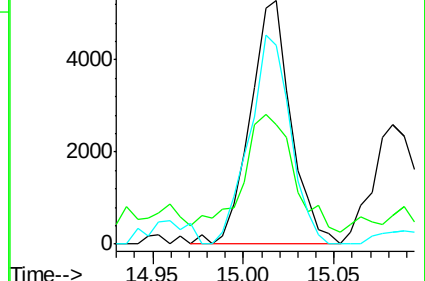
154 81.7 72.3 108.5

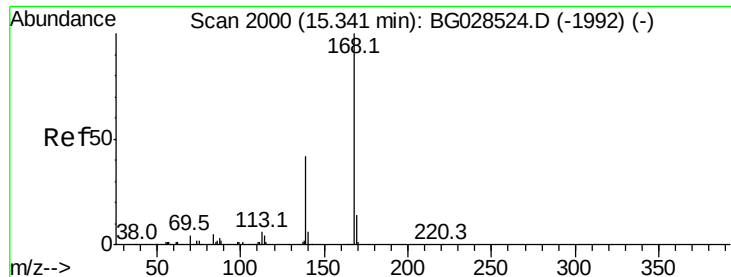


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 3.083 ng/ul

RT: 15.35 min Scan# 2001

Delta R.T. 0.01 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

Instrument :

BNA_G

ClientSampleId :

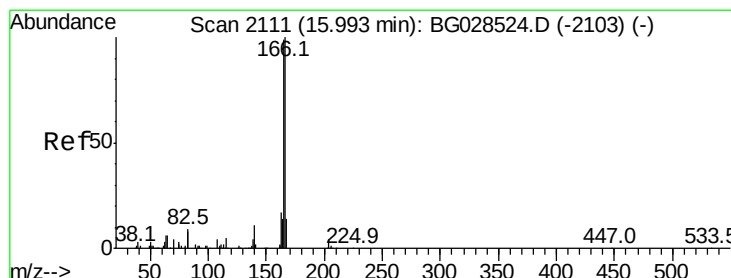
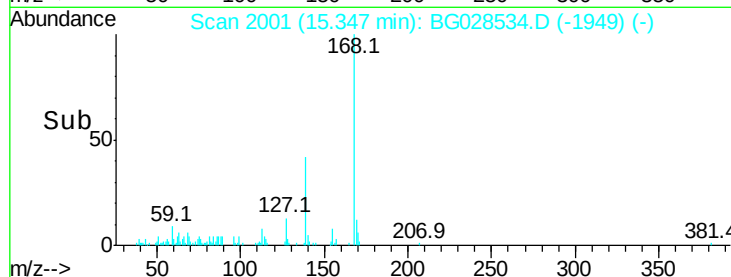
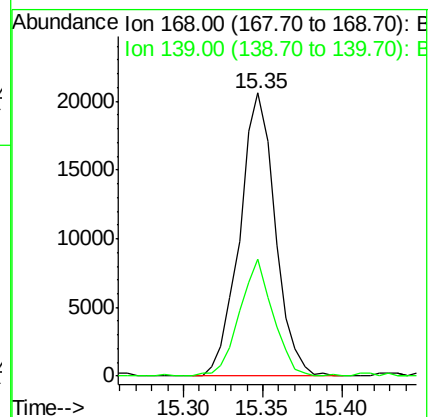
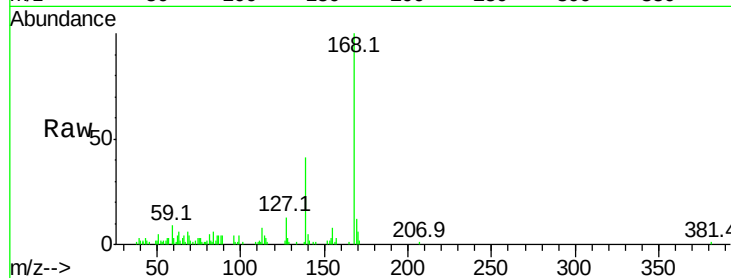
B0AY0

Tot Ion:168 Resp: 31979

Ion Ratio Lower Upper

168 100

139 41.3 33.8 50.8



#58

Fluorene

Concen: 3.355 ng/ul

RT: 15.99 min Scan# 2111

Delta R.T. -0.00 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

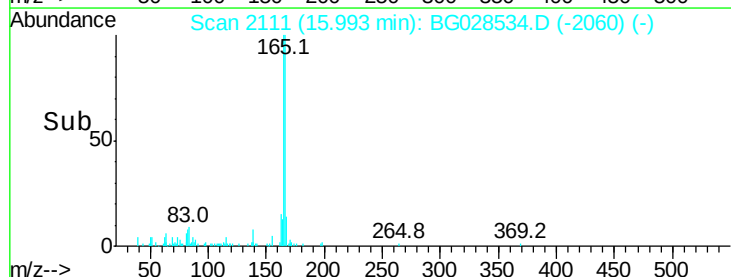
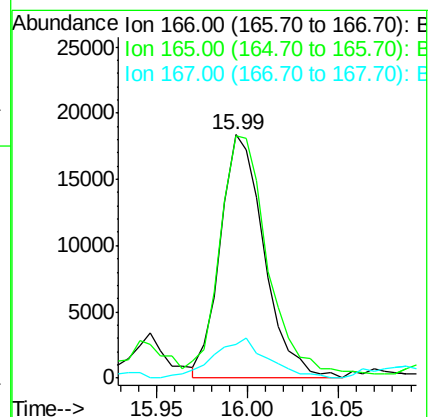
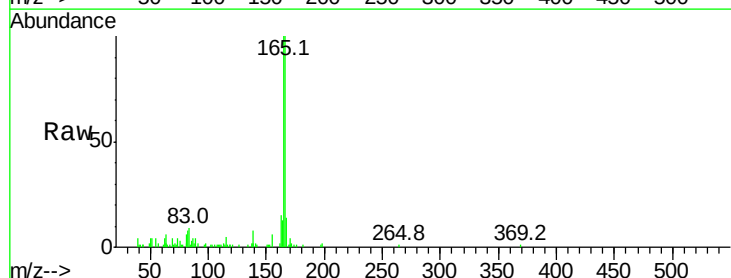
Tgt Ion:166 Resp: 30811

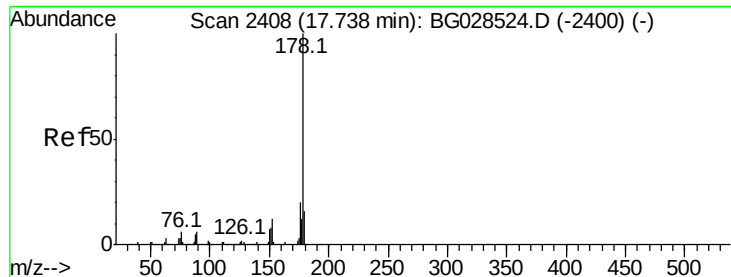
Ion Ratio Lower Upper

166 100

165 99.8 79.7 119.5

167 14.0 11.4 17.2





#69

Phenanthrene

Concen: 62.865 ng/ul

RT: 17.75 min Scan# 2410

Delta R.T. 0.01 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

Instrument :

BNA_G

ClientSampleId :

B0AY0

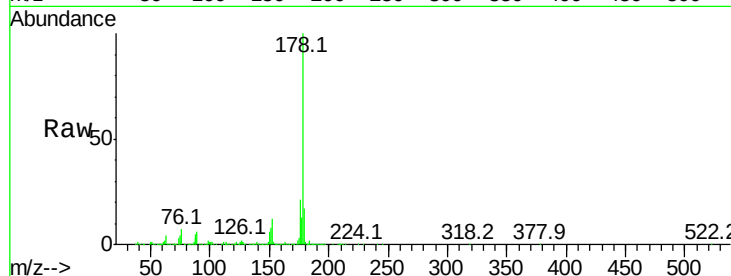
Tot Ion:178 Resp: 849951

Ion Ratio Lower Upper

178 100

179 16.8 12.4 18.6

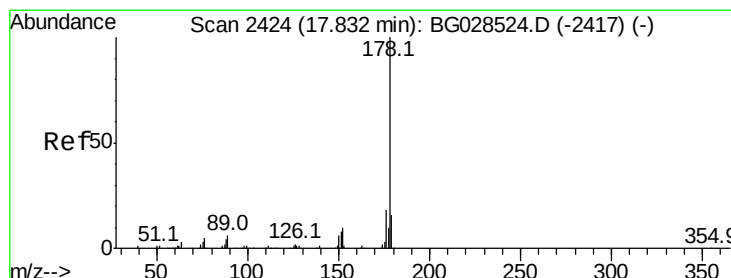
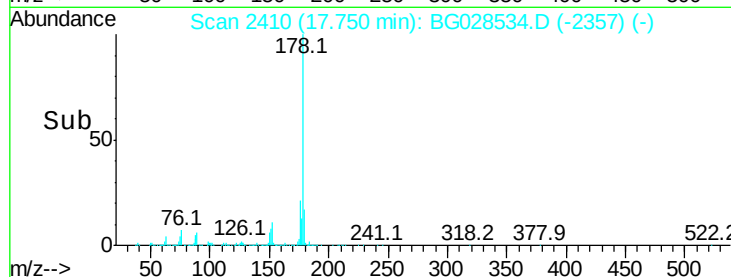
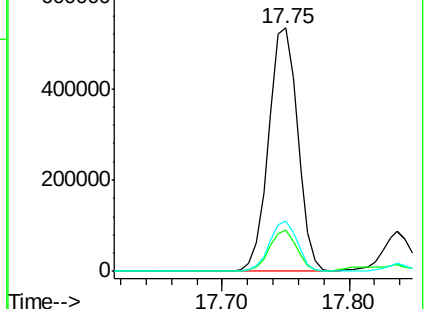
176 20.8 16.5 24.7



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: 9.835 ng/ul

RT: 17.84 min Scan# 2425

Delta R.T. 0.01 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

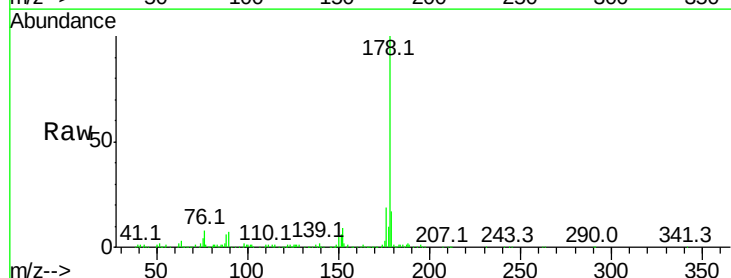
Tgt Ion:178 Resp: 135900

Ion Ratio Lower Upper

178 100

179 16.8 12.6 19.0

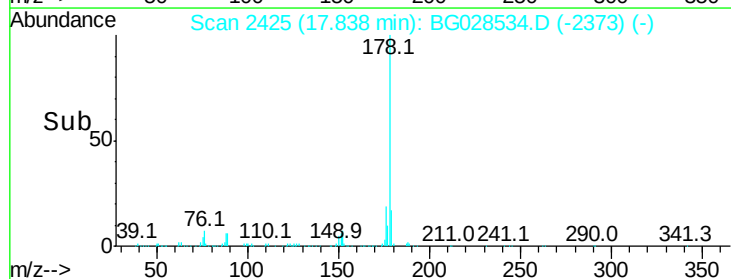
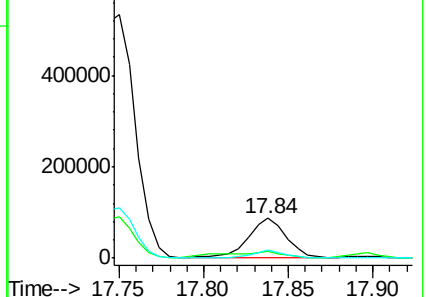
176 19.1 15.9 23.9

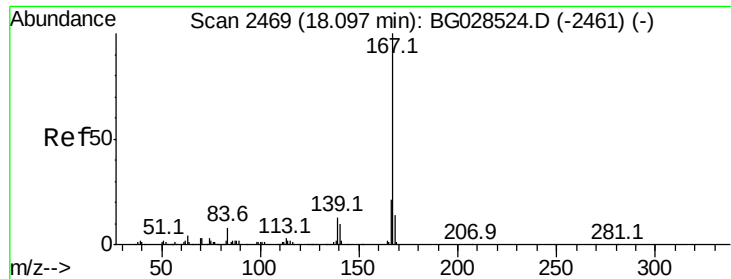


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

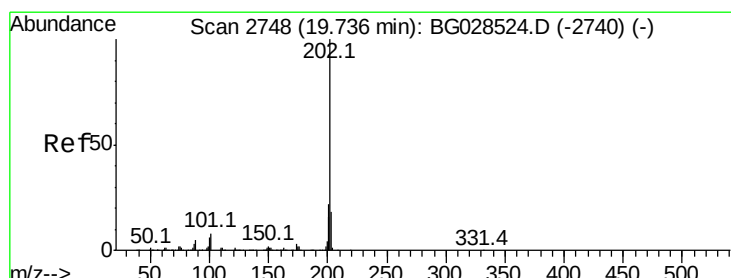
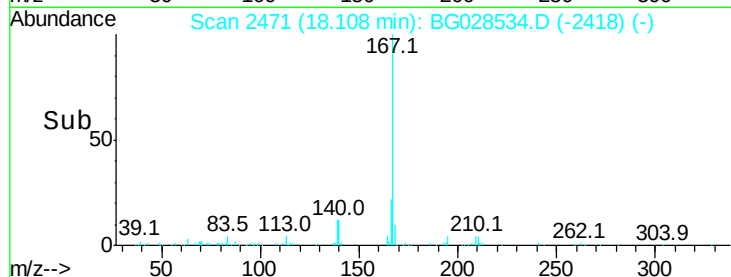
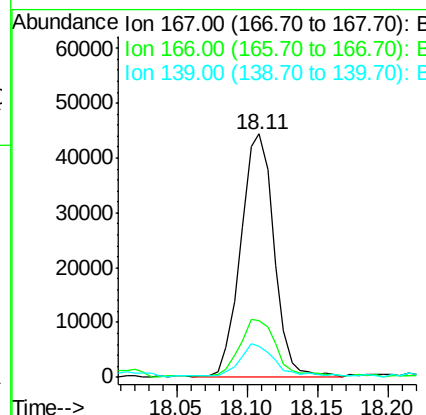
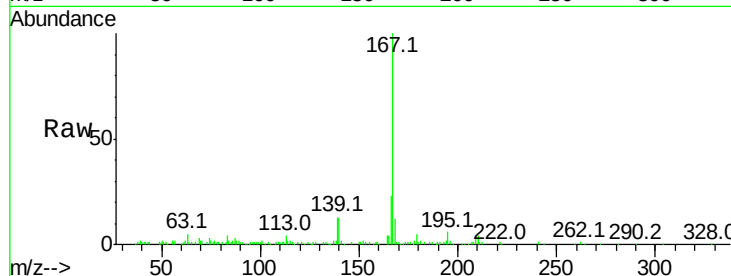




#72
 Carbazole
 Concen: 6.121 ng/ul
 RT: 18.11 min Scan# 2471
 Delta R.T. 0.01 min
 Lab File: BG028534.D
 Acq: 29 Aug 2017 1:09

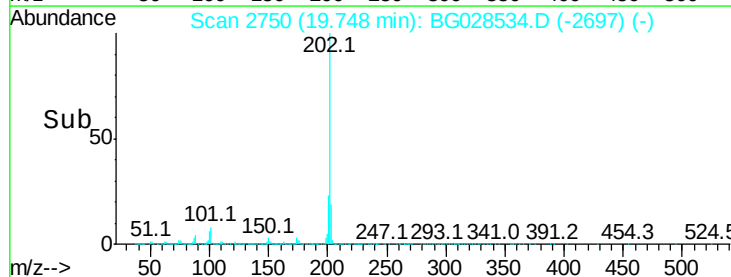
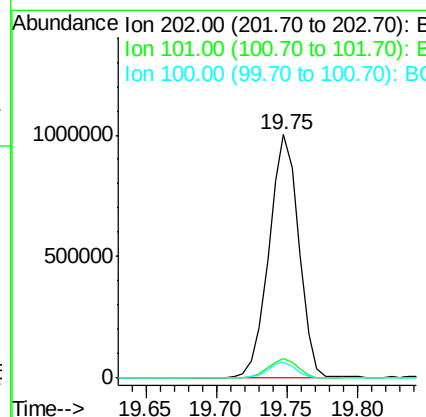
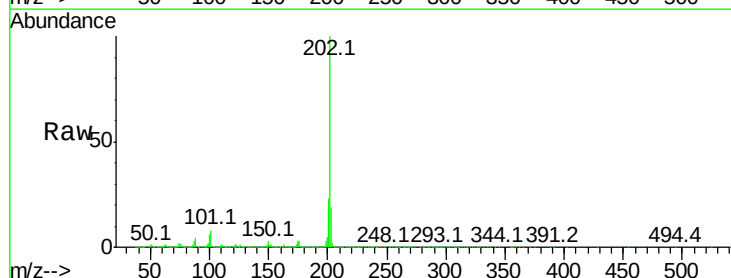
Instrument :
 BNA_G
 ClientSampleId :
 B0AY0

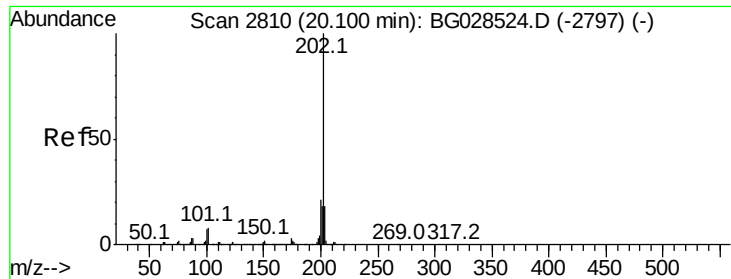
Tot Ion:167 Resp: 73556
 Ion Ratio Lower Upper
 167 100
 166 23.5 17.9 26.9
 139 12.9 10.5 15.7



#74
 Fluoranthene
 Concen: 90.345 ng/ul
 RT: 19.75 min Scan# 2750
 Delta R.T. 0.01 min
 Lab File: BG028534.D
 Acq: 29 Aug 2017 1:09

Tgt Ion:202 Resp: 1484473
 Ion Ratio Lower Upper
 202 100
 101 8.3 6.2 9.2
 100 6.3 5.2 7.8





#77

Pvrene

Concen: 63.212 ng/ul

RT: 20.11 min Scan# 2812

Delta R.T. 0.01 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

Instrument :

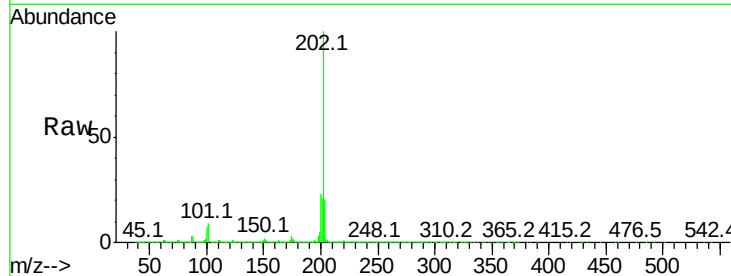
BNA_G

ClientSampleId :

B0AY0

Tot Ion:202 Resp: 1246475

Ion	Ratio	Lower	Upper
202	100		
101	9.2	6.9	10.3
100	7.5	6.6	10.0

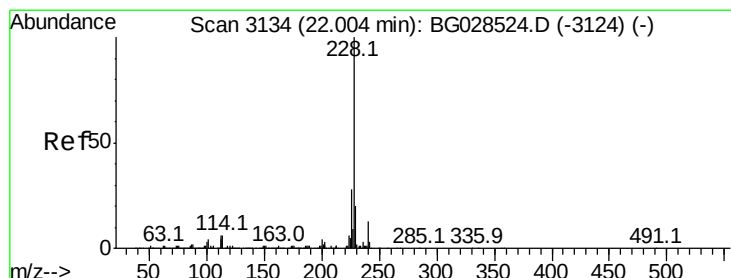
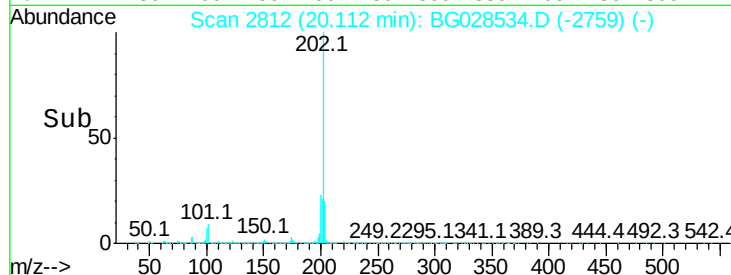
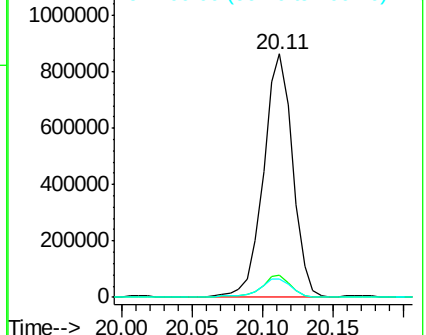


Abundance

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): B



#80

Benzo(a)anthracene

Concen: 41.122 ng/ul

RT: 22.02 min Scan# 3136

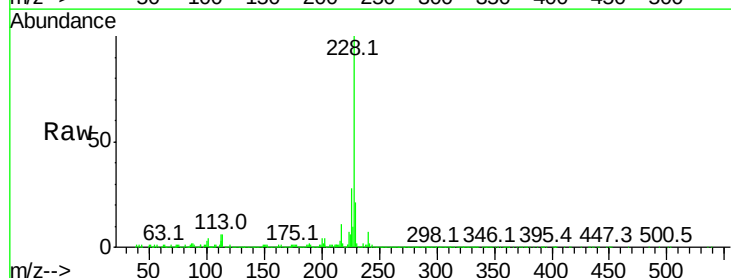
Delta R.T. 0.01 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

Tgt Ion:228 Resp: 785316

Ion	Ratio	Lower	Upper
228	100		
229	20.7	16.3	24.5
226	28.0	21.9	32.9

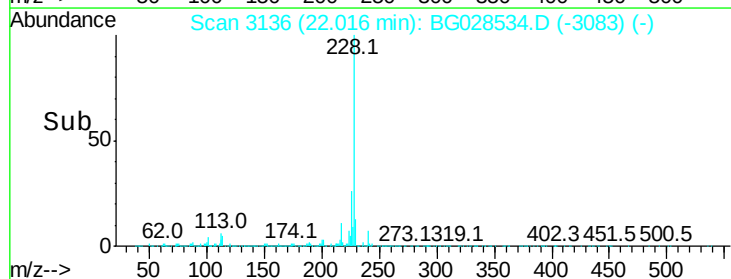
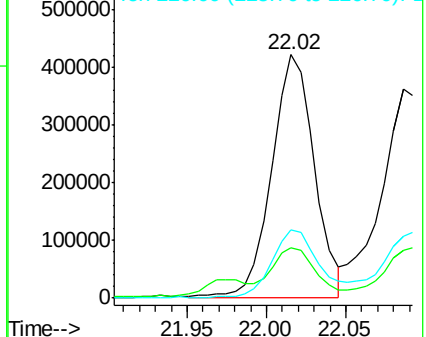


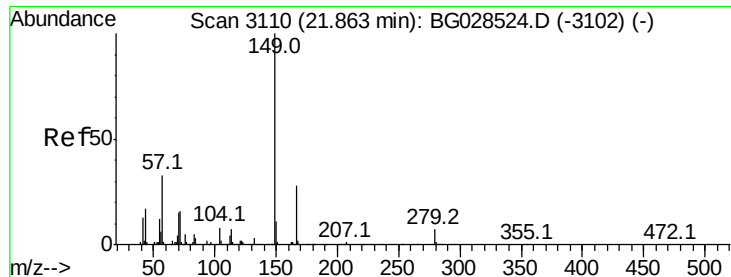
Abundance

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: 2.355 ng/ul

RT: 21.87 min Scan# 3111

Delta R.T. 0.01 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

Instrument :

BNA_G

ClientSampleId :

B0AY0

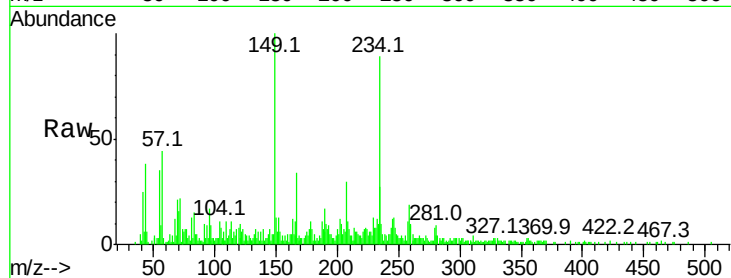
Tot Ion:149 Resp: 24746

Ion Ratio Lower Upper

149 100

167 33.8 21.8 32.8#

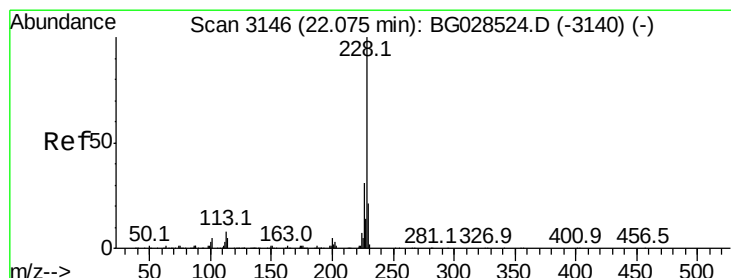
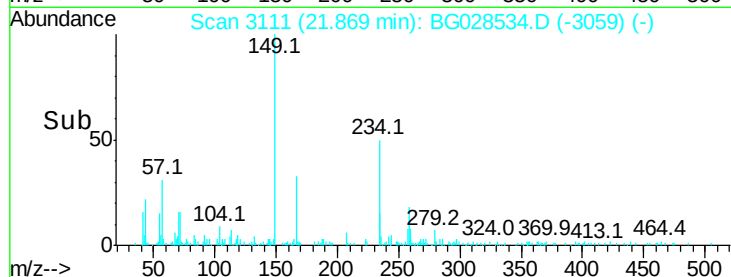
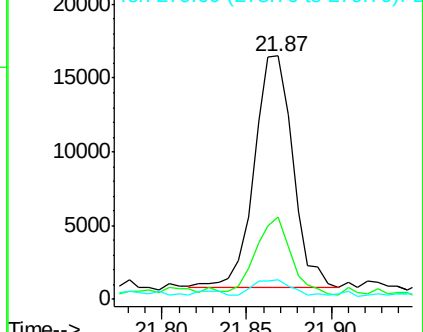
279 8.3 4.5 6.7#



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: 43.082 ng/ul

RT: 22.09 min Scan# 3148

Delta R.T. 0.01 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

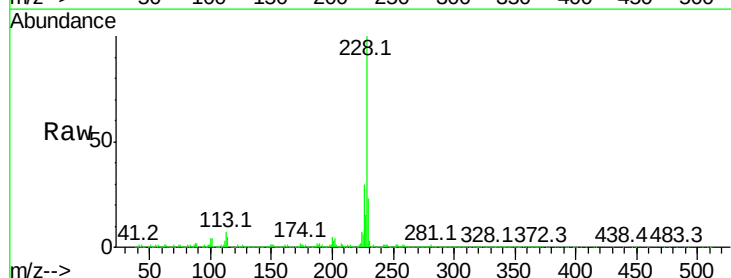
Tgt Ion:228 Resp: 740978

Ion Ratio Lower Upper

228 100

226 29.7 24.0 36.0

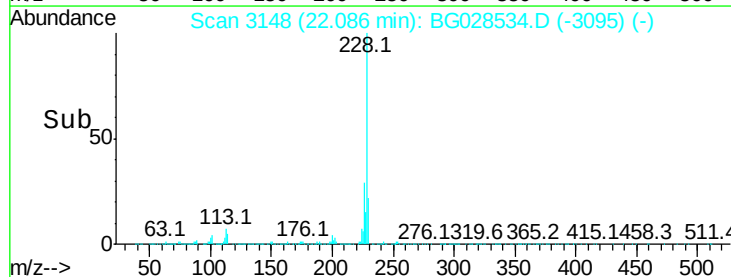
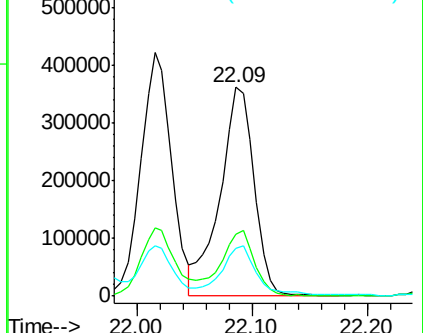
229 22.7 16.9 25.3

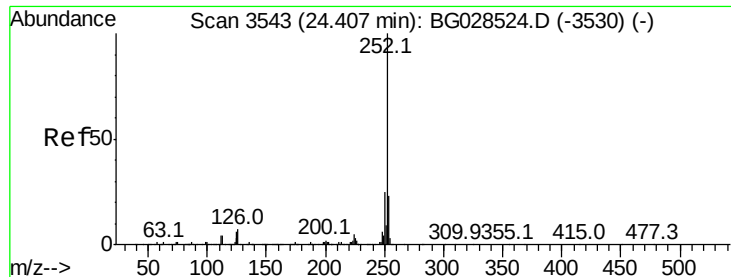


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 40.378 ng/ul

RT: 24.44 min Scan# 3548

Delta R.T. 0.03 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

Instrument :

BNA_G

ClientSampleId :

B0AY0

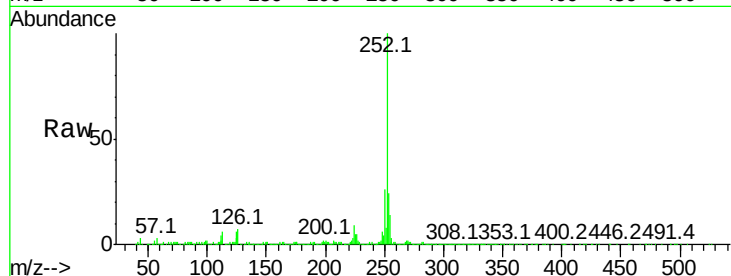
Tot Ion:252 Resp: 773101

Ion Ratio Lower Upper

252 100

253 23.9 17.7 26.5

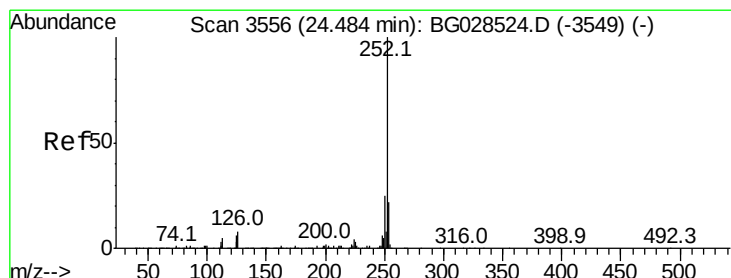
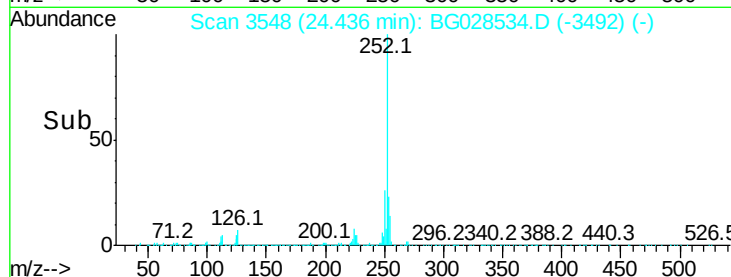
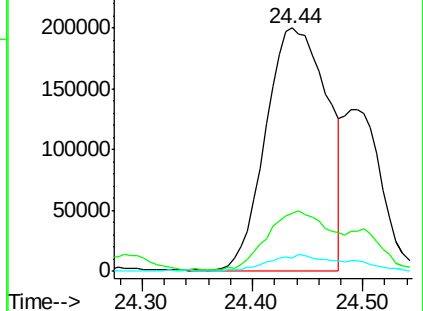
125 5.7 4.0 6.0



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: 41.337 ng/ul

RT: 24.44 min Scan# 3548

Delta R.T. -0.05 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

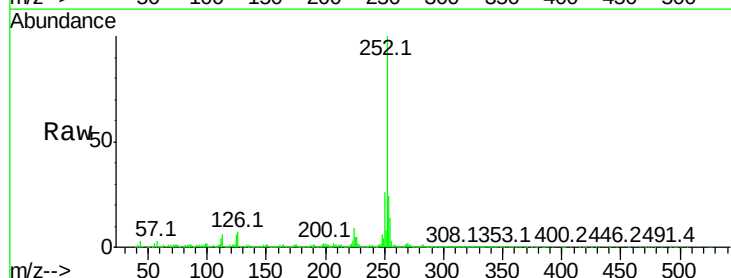
Tgt Ion:252 Resp: 773101

Ion Ratio Lower Upper

252 100

253 23.9 18.5 27.7

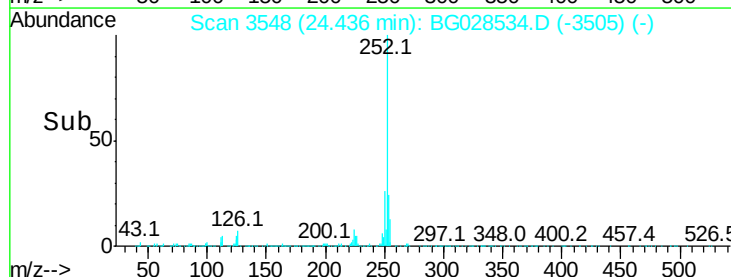
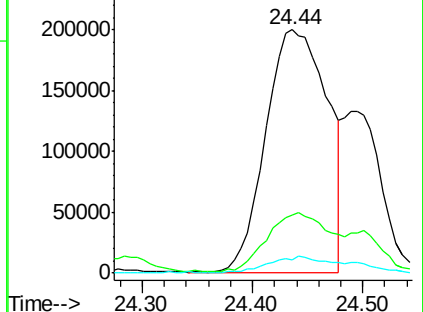
125 5.7 4.1 6.1

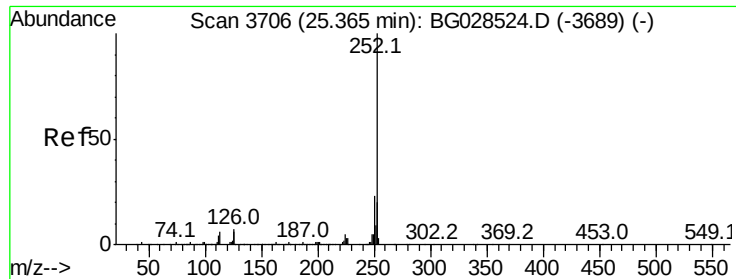


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 30.947 ng/ul

RT: 25.39 min Scan# 3710

Delta R.T. 0.02 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

Instrument :

BNA_G

ClientSampleId :

B0AY0

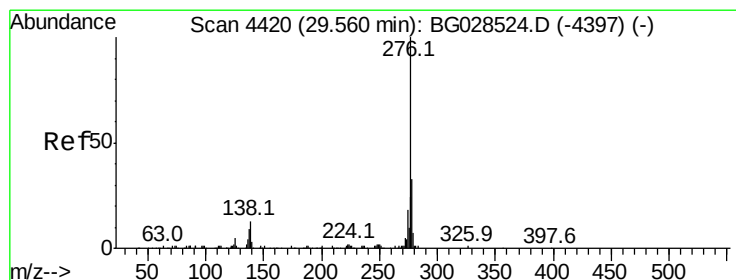
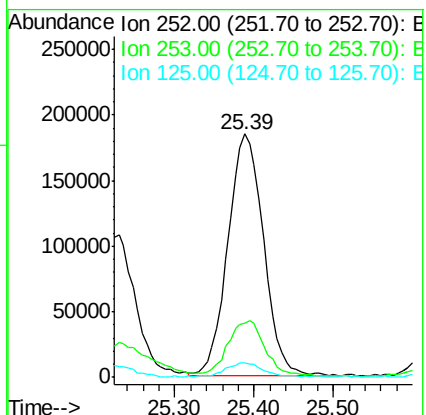
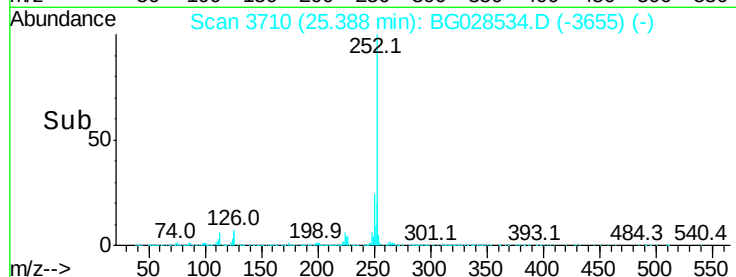
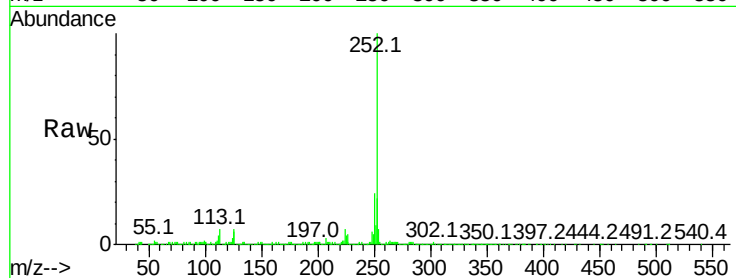
Tot Ion:252 Resp: 573704

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

125 6.1 5.4 8.0



#89

Indeno(1,2,3-cd)pyrene

Concen: 5.067 ng/ul

RT: 29.58 min Scan# 4423

Delta R.T. 0.02 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

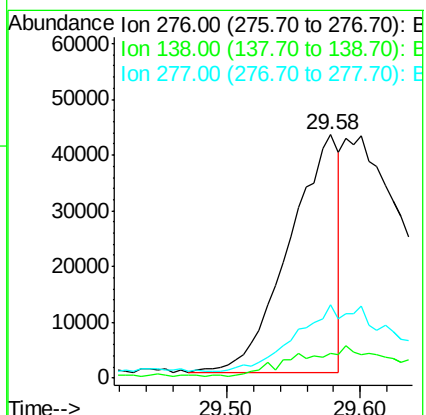
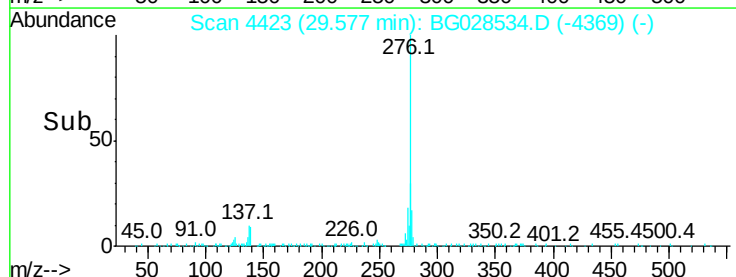
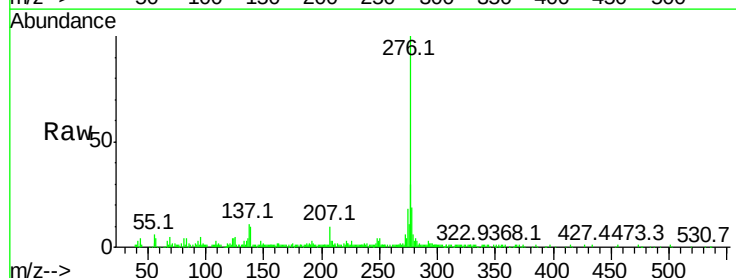
Tgt Ion:276 Resp: 109997

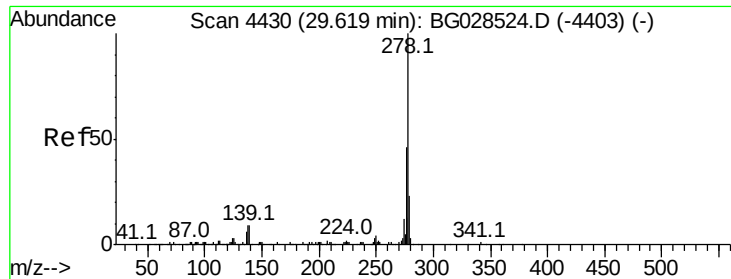
Ion Ratio Lower Upper

276 100

138 10.2 8.2 12.4

277 30.1 18.6 28.0#





#90

Dibenzo(a,h)anthracene

Concen: 4.647 ng/ul

RT: 29.62 min Scan# 4431

Delta R.T. 0.01 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

Instrument :

BNA_G

ClientSampleId :

B0AY0

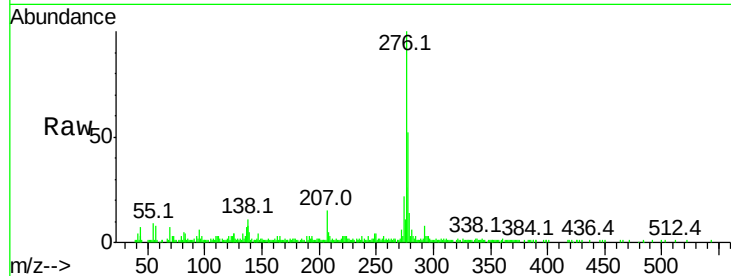
Tot Ion:278 Resp: 84557

Ion	Ratio	Lower	Upper
278	100		
139	9.8	6.7	10.1
279	27.0	20.9	31.3

278 100

139 9.8 6.7 10.1

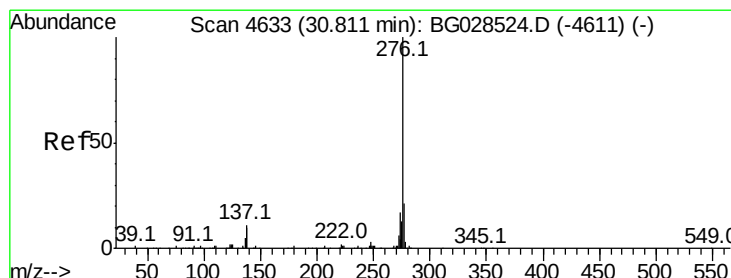
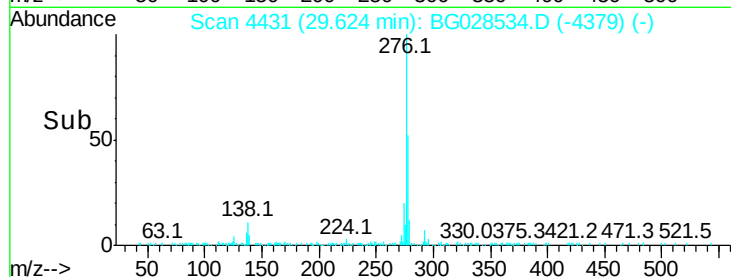
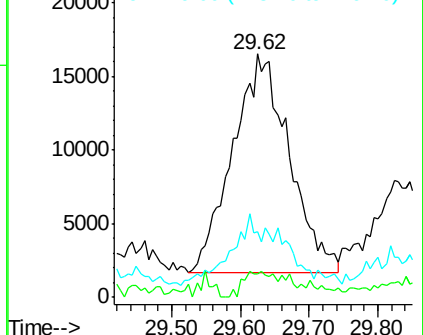
279 27.0 20.9 31.3



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: 9.223 ng/ul

RT: 30.85 min Scan# 4639

Delta R.T. 0.04 min

Lab File: BG028534.D

Acq: 29 Aug 2017 1:09

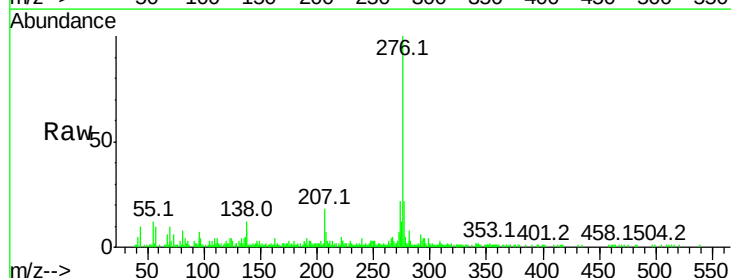
Tgt Ion:276 Resp: 164718

Ion	Ratio	Lower	Upper
276	100		
138	12.0	8.6	12.8
277	22.5	17.6	26.4

276 100

138 12.0 8.6 12.8

277 22.5 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

