

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101517\
 Data File : BG029237.D
 Acq On : 15 Oct 2017 00:14
 Operator : SJ/JU
 Sample : I5548-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 15 01:42:27 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Oct 15 01:38:25 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	126826	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	551682	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	333536	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.54	188	693735	20.00	ng/ul	0.00
75) Chrysene-d12	21.81	240	593597	20.00	ng/ul	0.02
83) Perylene-d12	25.13	264	609521	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	14039	4.50	ng/uL	0.00
5) Phenol-d5	7.32	99	301880	24.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	190636	25.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.71	132	222618	25.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	241728	24.59	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	116671	29.46	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	126723	31.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	235196	25.44	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	192590	17.93	ng/ul	0.00
43) Dimethylphthalate-d6	14.19	166	719727	25.24	ng/ul	0.00
46) Acenaphthylene-d8	14.49	160	915001	26.39	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	108715	20.65	ng/ul	0.00
57) Fluorene-d10	15.78	176	623846	26.71	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.89	200	76172	22.49	ng/ul	0.00
70) Anthracene-d10	17.64	188	861606	26.26	ng/ul	0.00
76) Pyrene-d10	19.90	212	831595	27.06	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.90	264	725415	25.13	ng/ul	0.03

Target Compounds

					Ovalue
6) Phenol	7.35	94	33133	2.63 ng/ul	92
28) Naphthalene	11.04	128	135493	4.64 ng/ul	97
30) 4-Chloroaniline	11.04	127	17975	1.71 ng/ul#	21
34) 2-Methylnaphthalene	12.64	142	79166	3.28 ng/ul	100
40) 1,1'-Biphenyl	13.63	154	37474	1.36 ng/ul	98
44) Dimethylphthalate	14.23	163	272325	9.79 ng/ul	98
49) Acenaphthene	14.86	153	492777	20.36 ng/ul	96
53) Dibenzofuran	15.19	168	507044	15.32 ng/ul	99
58) Fluorene	15.83	166	623246	23.61 ng/ul	99
60) 4-Nitroaniline	15.84	138	7766	1.20 ng/ul#	21
69) Phenanthrene	17.66	178	1444020	38.50 ng/ul	95
71) Anthracene	17.66	178	1444020	37.32 ng/ul	97
72) Carbazole	17.93	167	839013	24.12 ng/ul	99
74) Fluoranthene	19.59	202	5597255	133.55 ng/ul#	53
77) Pyrene	19.94	202	5008810	125.90 ng/ul#	60
80) Benzo(a)anthracene	21.79	228	2832143	76.13 ng/ul#	88
81) Bis(2-ethylhexyl)phthalate	21.68	149	81351	3.48 ng/ul	98
82) Chrysene	21.86	228	2746340	81.25 ng/ul#	87
85) Benzo(b)fluoranthene	24.09	252	3180903	86.93 ng/ul#	89
86) Benzo(k)fluoranthene	24.15	252	1134192	32.06 ng/ul#	91
88) Benzo(a)pyrene	24.98	252	2163901	60.75 ng/ul#	91
89) Indeno(1,2,3-cd)pyrene	28.94	276	1461593	36.27 ng/ul#	87
90) Dibenz(a,h)anthracene	28.99	278	367819	10.99 ng/ul#	90

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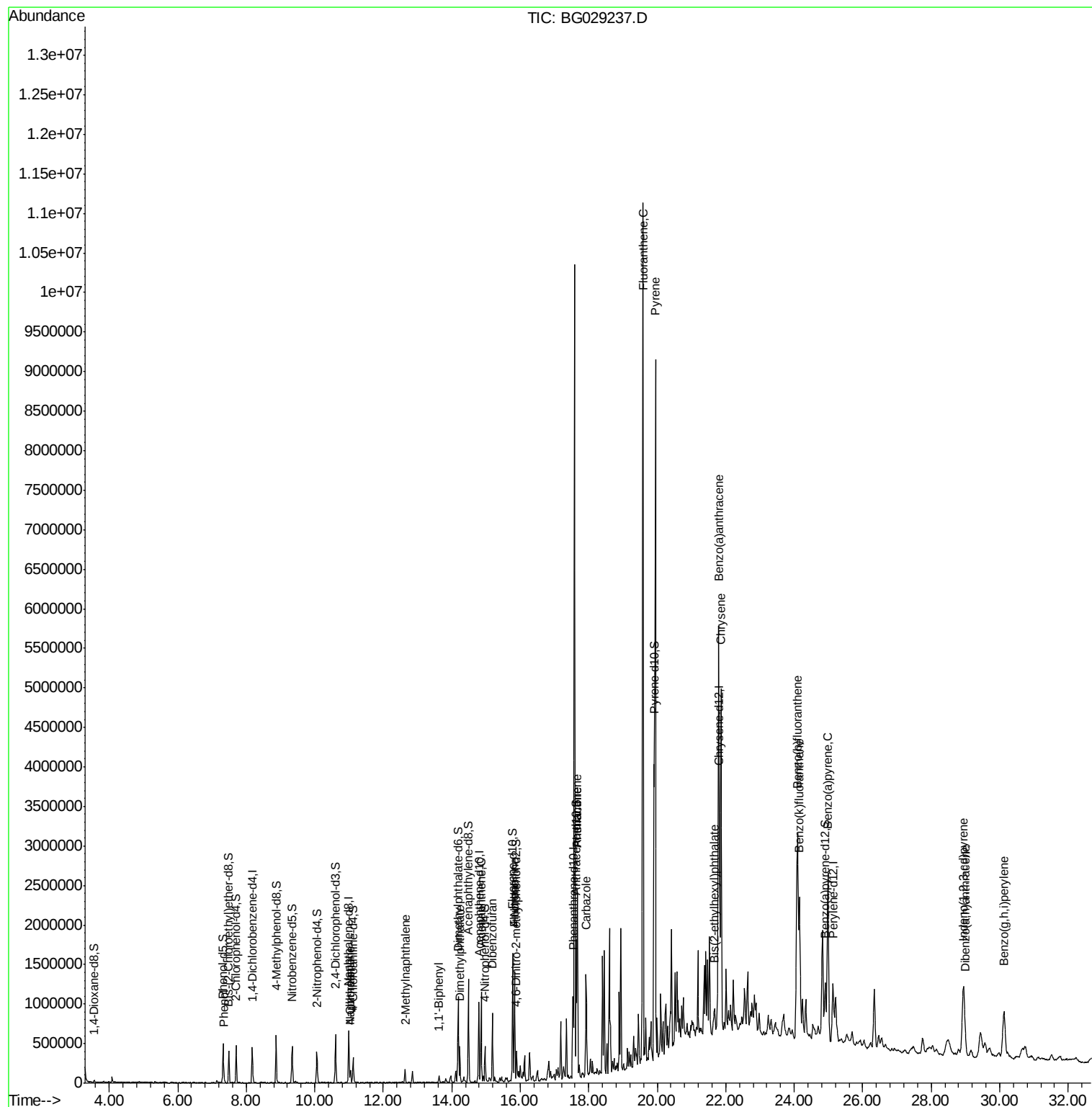
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	30.13	276	1161296	34.77	ng/ul#	87

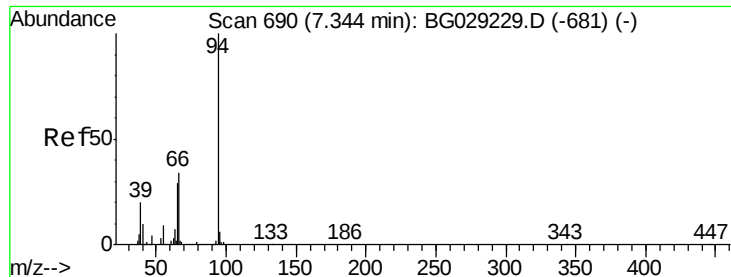
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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#6

Phenol

Concen: 2.63 ng/ul

RT: 7.35 min Scan# 691

Delta R.T. 0.00 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

Instrument :

BNA_G

ClientSampled :

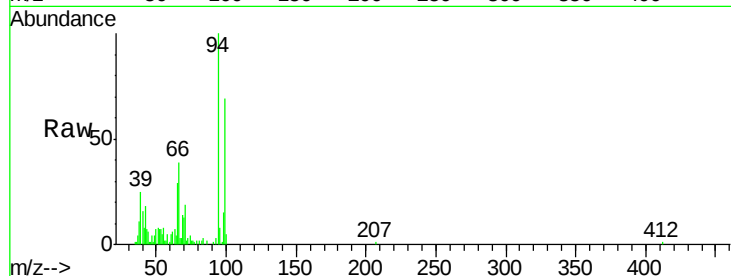
Tot Ion: 94 Resp: 33133

Ion Ratio Lower Upper

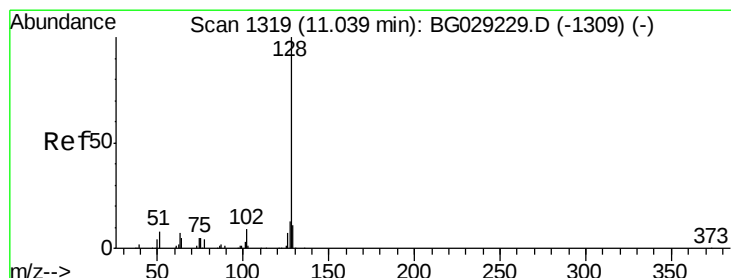
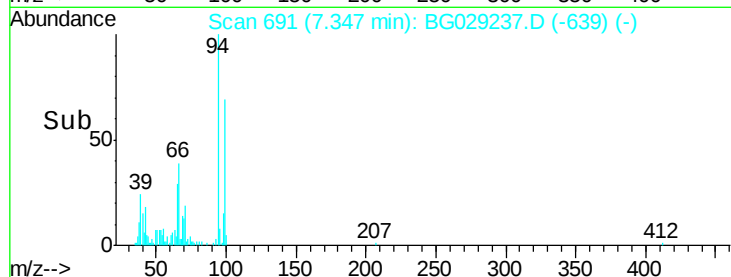
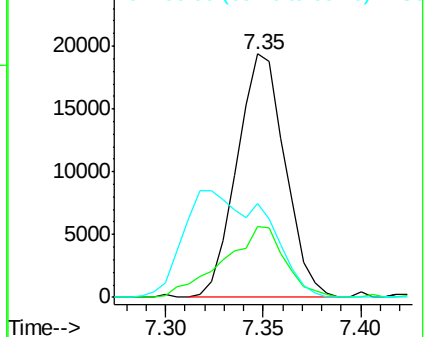
94 100

65 29.0 27.1 40.7

66 38.5 34.6 52.0



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



#28

Naphthalene

Concen: 4.64 ng/ul

RT: 11.04 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

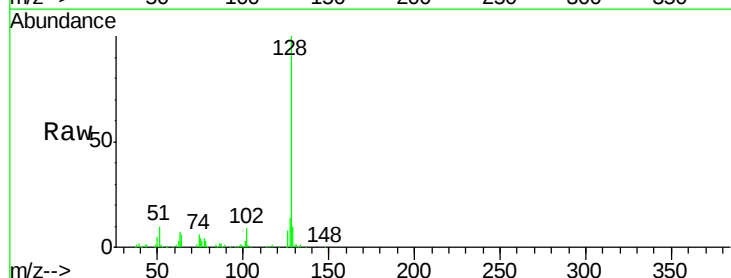
Tgt Ion:128 Resp: 135493

Ion Ratio Lower Upper

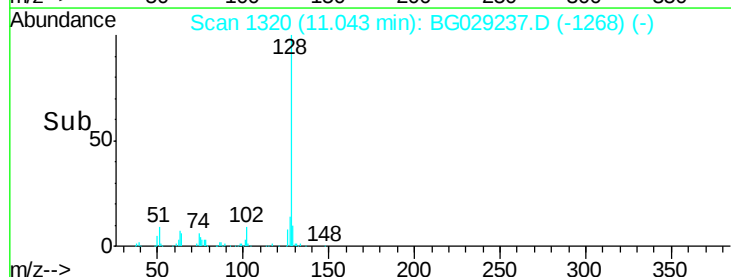
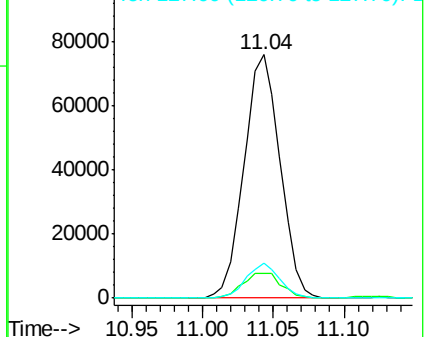
128 100

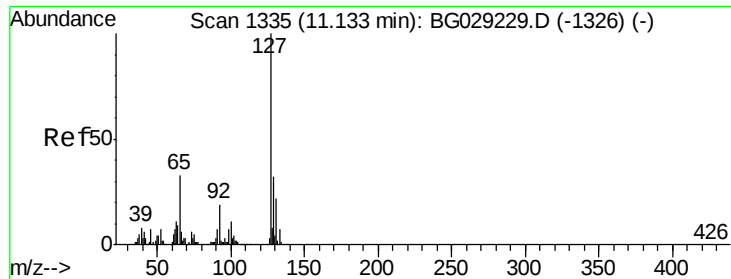
129 10.2 9.3 13.9

127 14.2 10.7 16.1



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

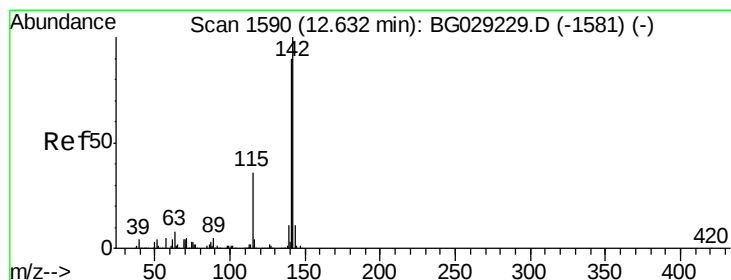
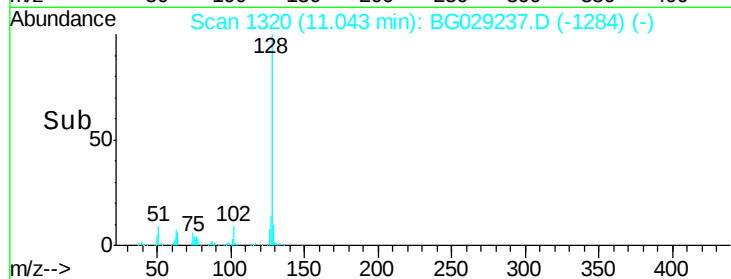
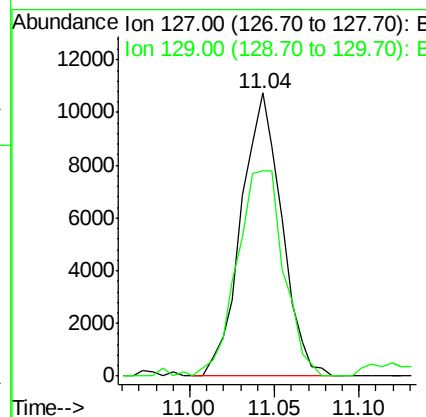
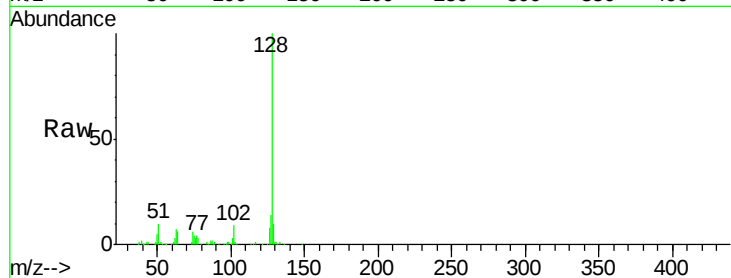




#30
 4-Chloroaniline
 Concen: 1.71 ng/ul
 RT: 11.04 min Scan# 1320
 Delta R.T. -0.09 min
 Lab File: BG029237.D
 Acq: 15 Oct 2017 00:14

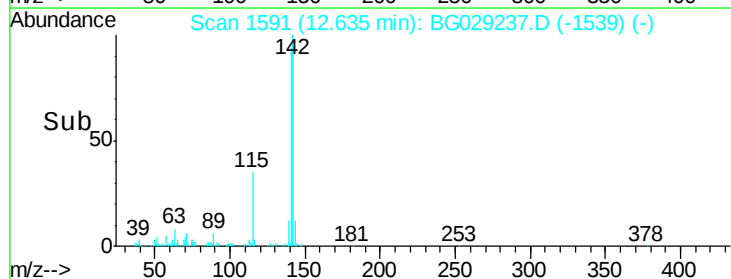
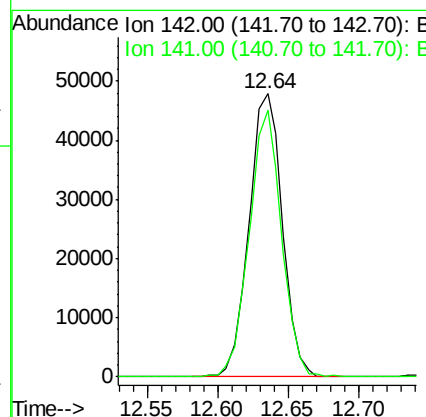
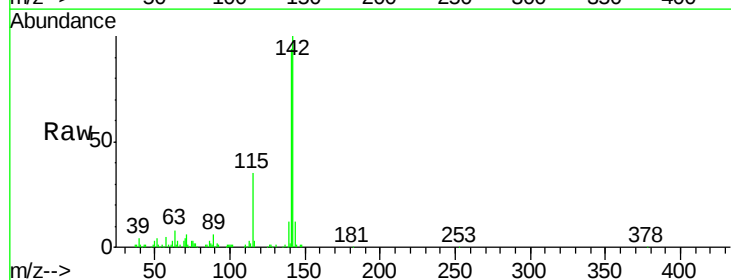
Instrument :
 BNA_G
 ClientSampleId :

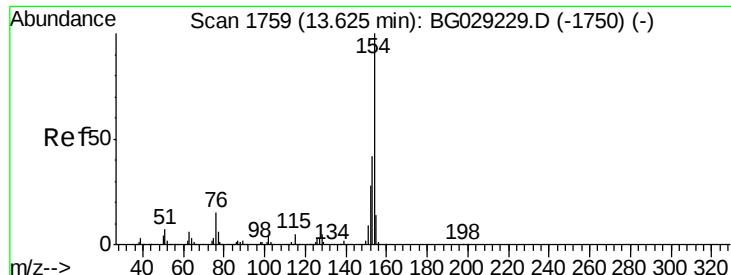
Tot Ion:127 Resp: 17975
 Ion Ratio Lower Upper
 127 100
 129 72.4 23.9 35.9#



#34
 2-Methylnaphthalene
 Concen: 3.28 ng/ul
 RT: 12.64 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: BG029237.D
 Acq: 15 Oct 2017 00:14

Tgt Ion:142 Resp: 79166
 Ion Ratio Lower Upper
 142 100
 141 94.2 75.4 113.0

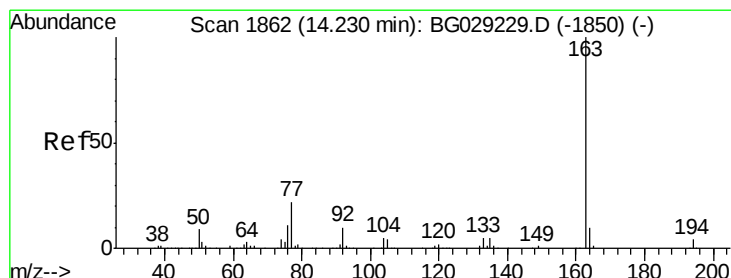
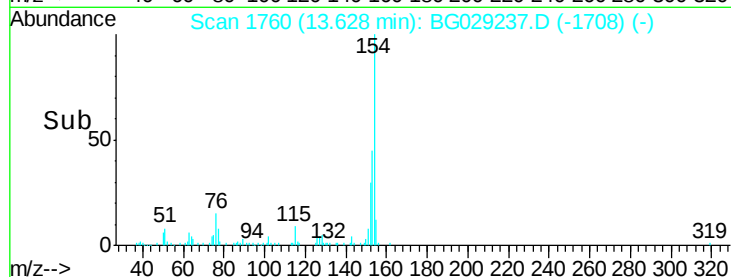
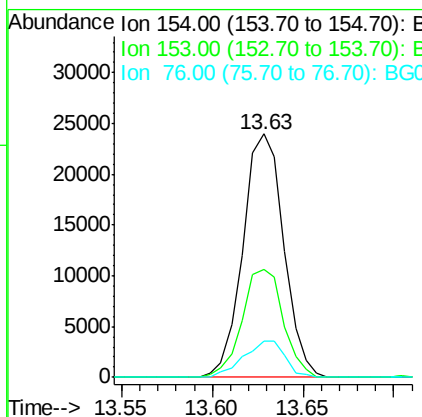
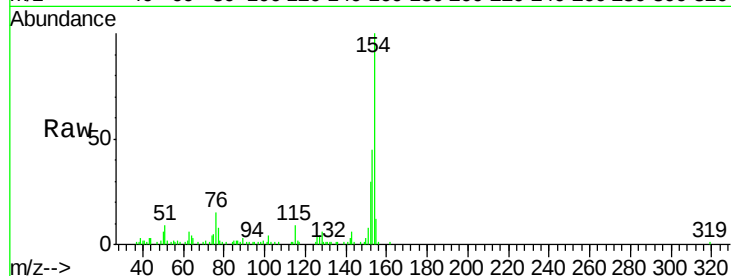




#40
1,1'-Biphenyl
Concen: 1.36 ng/ul
RT: 13.63 min Scan# 1760
Delta R.T. 0.00 min
Lab File: BG029237.D
Acq: 15 Oct 2017 00:14

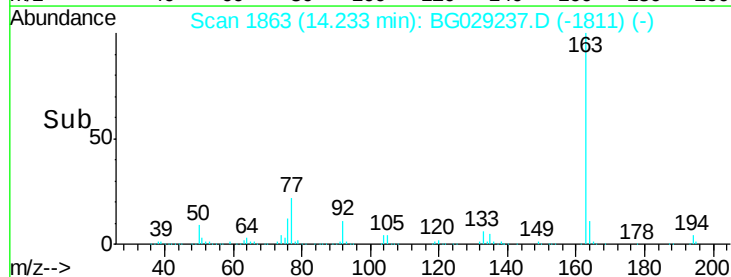
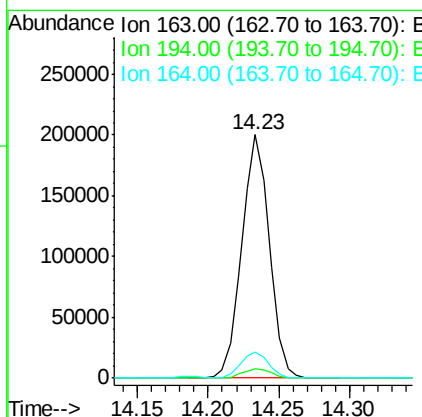
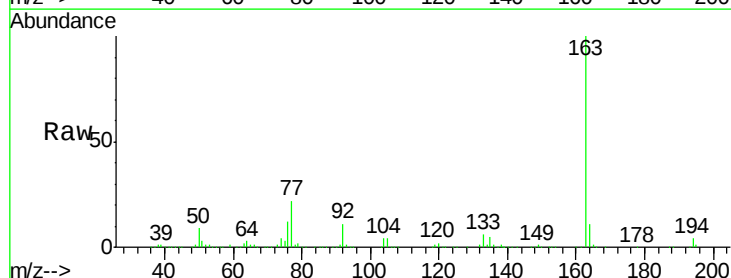
Instrument :
BNA_G
ClientSampleId :

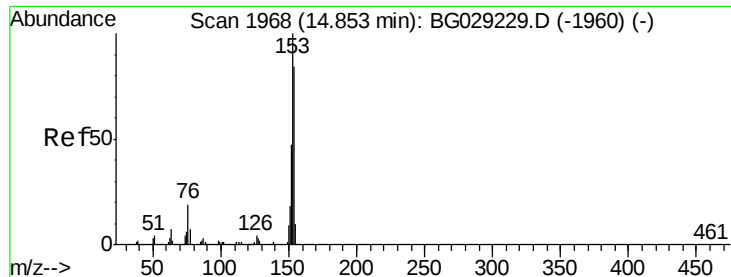
Tot Ion:154 Resp: 37474
Ion Ratio Lower Upper
154 100
153 44.6 34.6 52.0
76 14.9 10.6 15.8



#44
Dimethylphthalate
Concen: 9.79 ng/ul
RT: 14.23 min Scan# 1863
Delta R.T. 0.00 min
Lab File: BG029237.D
Acq: 15 Oct 2017 00:14

Tgt Ion:163 Resp: 272325
Ion Ratio Lower Upper
163 100
194 4.1 3.5 5.3
164 10.7 7.6 11.4





#49

Acenaphthene

Concen: 20.36 ng/ul

RT: 14.86 min Scan# 1969

Delta R.T. 0.00 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

Instrument :

BNA_G

ClientSampleId :

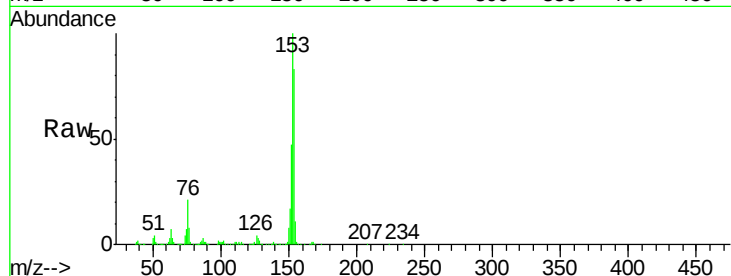
Tot Ion:153 Resp: 492777

Ion Ratio Lower Upper

153 100

152 47.1 38.2 57.2

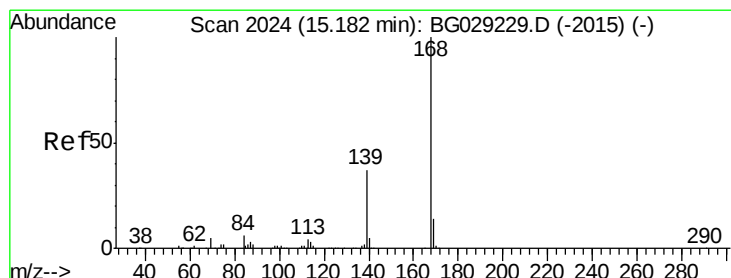
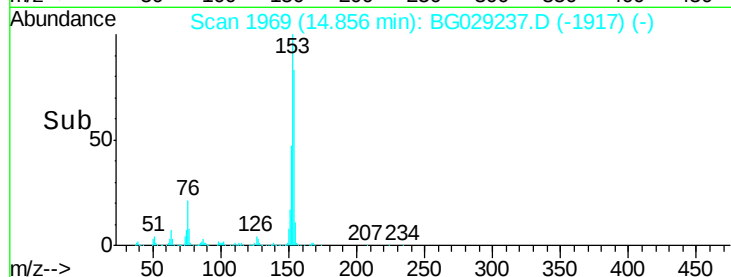
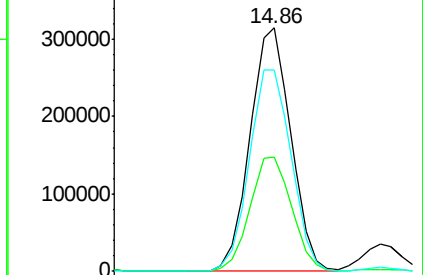
154 82.9 70.6 105.8



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

Dibenzofuran

Concen: 15.32 ng/ul

RT: 15.19 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BG029237.D

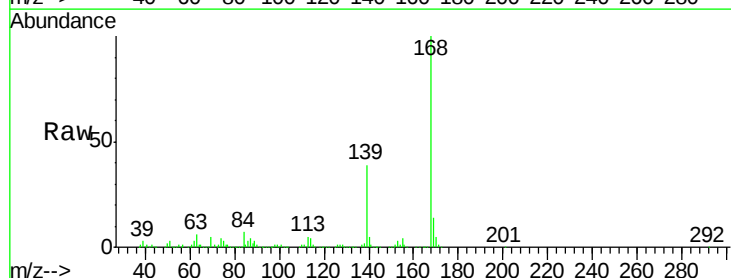
Acq: 15 Oct 2017 00:14

Tgt Ion:168 Resp: 507044

Ion Ratio Lower Upper

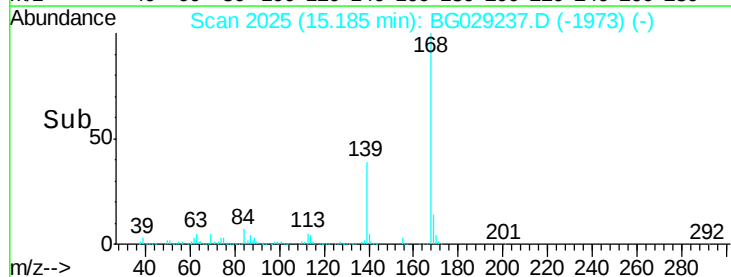
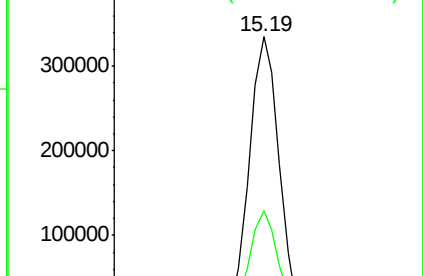
168 100

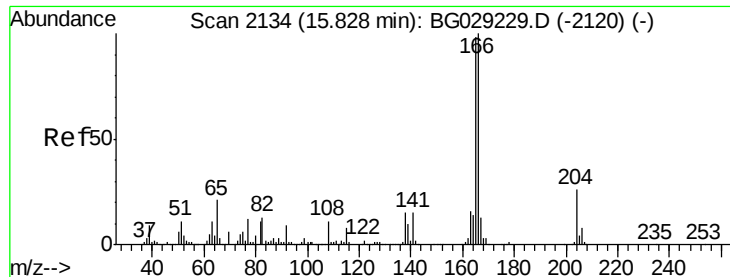
139 38.7 31.4 47.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 23.61 ng/ul

RT: 15.83 min Scan# 2135

Delta R.T. 0.00 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

Instrument :

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ClientSampleId :

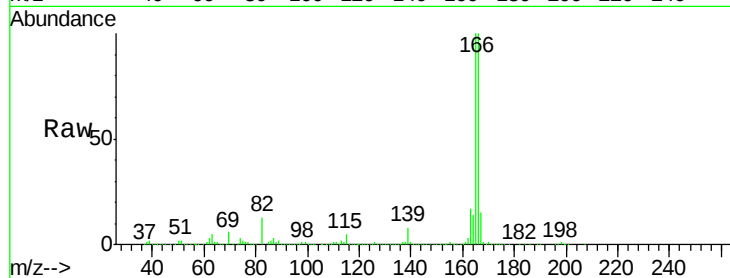
Tot Ion:166 Resp: 623246

Ion Ratio Lower Upper

166 100

165 100.5 79.9 119.9

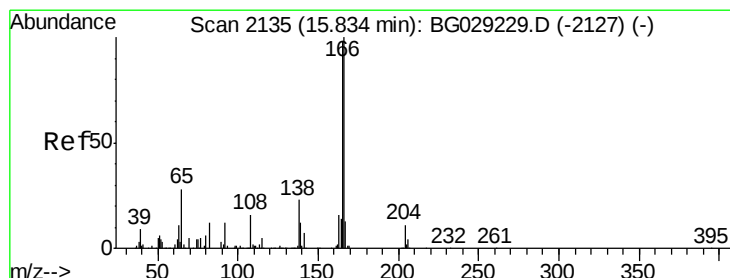
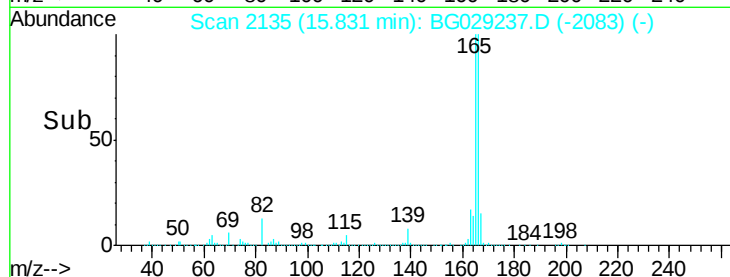
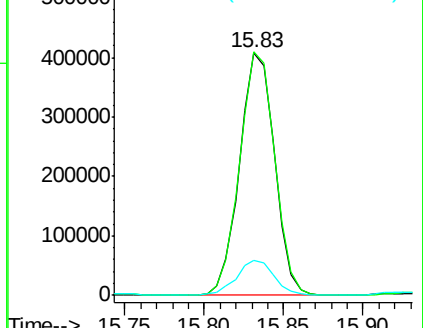
167 14.7 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60

4-Nitroaniline

Concen: 1.20 ng/ul

RT: 15.84 min Scan# 2136

Delta R.T. 0.00 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

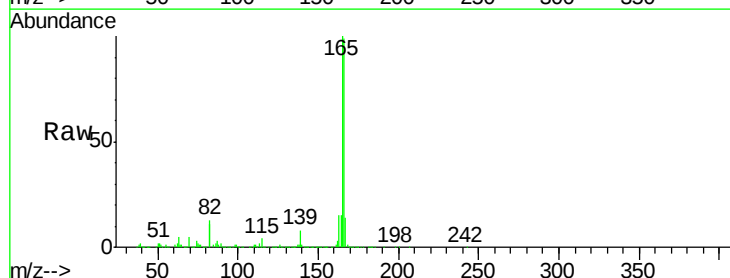
Tgt Ion:138 Resp: 7766

Ion Ratio Lower Upper

138 100

92 6.6 44.2 66.2#

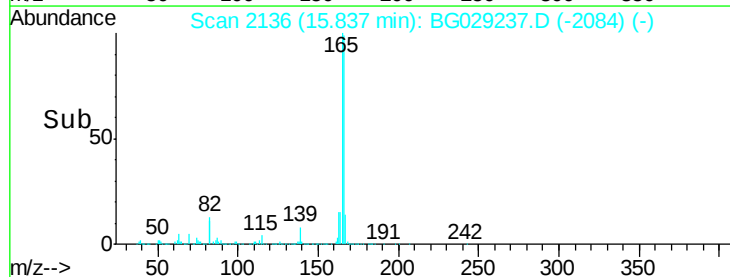
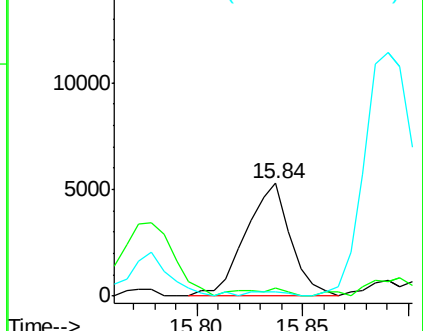
108 3.3 63.7 95.5#

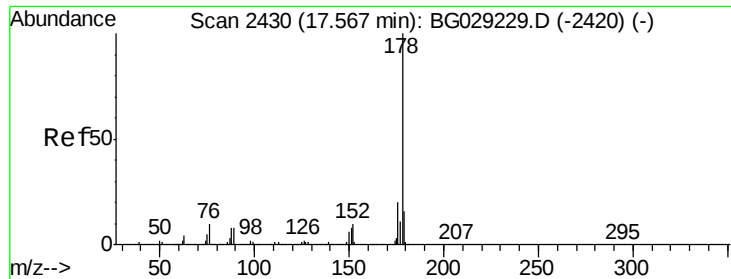


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG0

Ion 108.00 (107.70 to 108.70): E

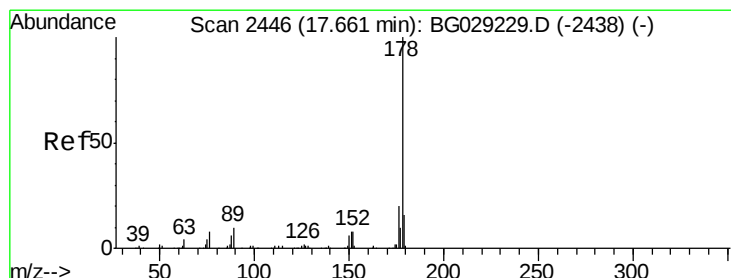
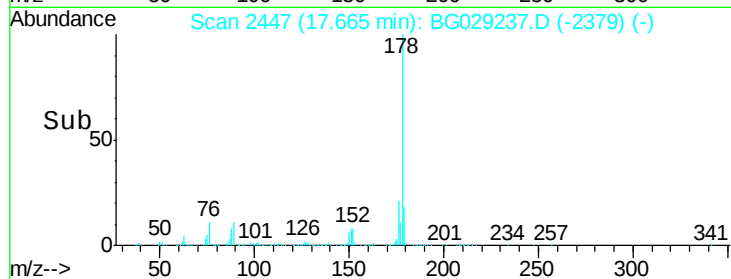
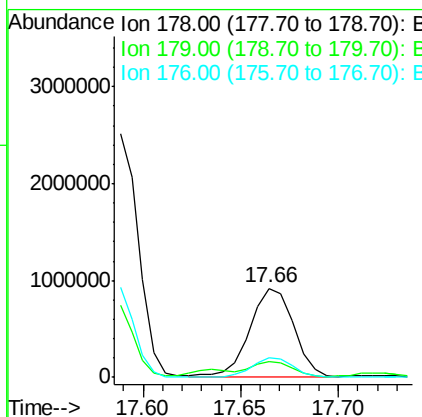
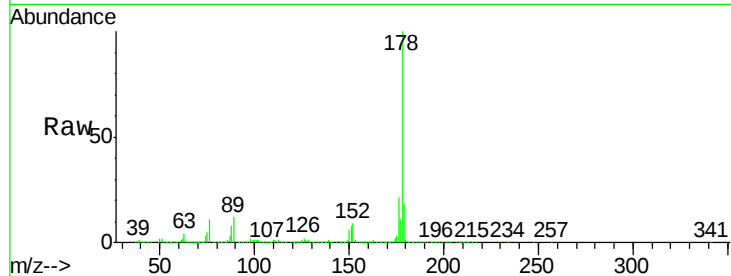




#69
Phenanthrene
Concen: 38.50 ng/ul
RT: 17.66 min Scan# 2447
Delta R.T. 0.10 min
Lab File: BG029237.D
Acq: 15 Oct 2017 00:14

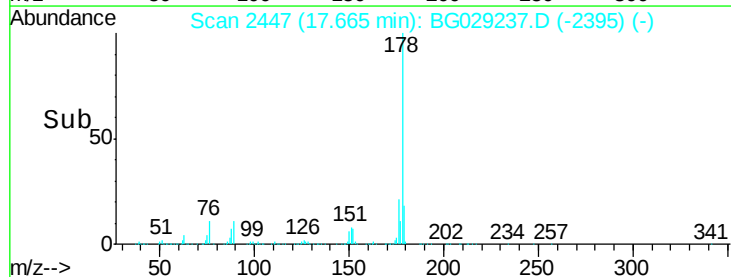
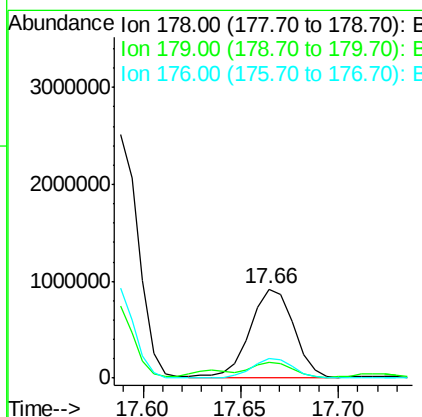
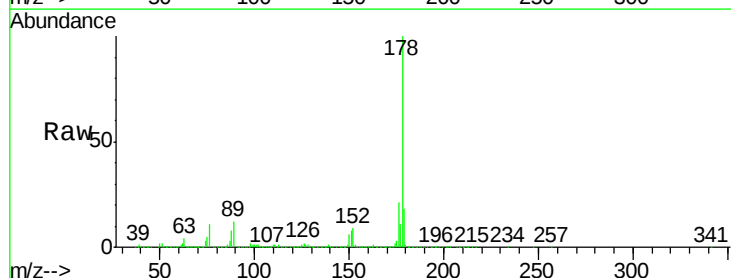
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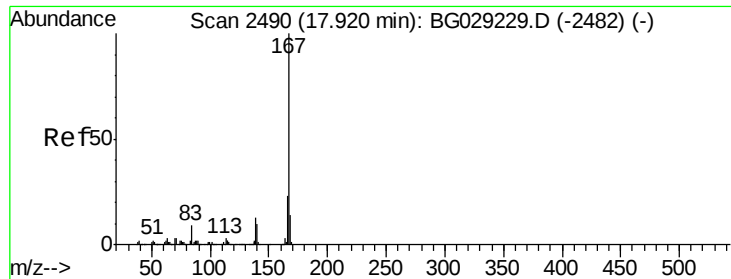
Tot Ion:178 Resp: 1444020
Ion Ratio Lower Upper
178 100
179 18.1 13.0 19.6
176 21.4 15.3 22.9



#71
Anthracene
Concen: 37.32 ng/ul
RT: 17.66 min Scan# 2447
Delta R.T. 0.00 min
Lab File: BG029237.D
Acq: 15 Oct 2017 00:14

Tgt Ion:178 Resp: 1444020
Ion Ratio Lower Upper
178 100
179 18.1 13.2 19.8
176 21.4 16.0 24.0





#72

Carbazole

Concen: 24.12 ng/ul

RT: 17.93 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

Instrument :

BNA_G

ClientSampleId :

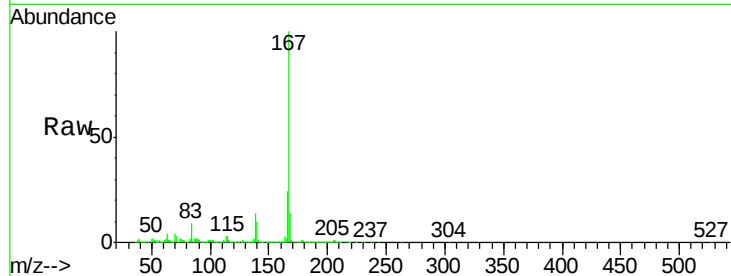
Tot Ion:167 Resp: 839013

Ion Ratio Lower Upper

167 100

166 23.7 18.6 28.0

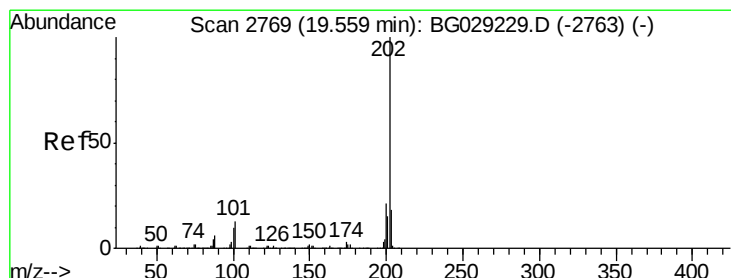
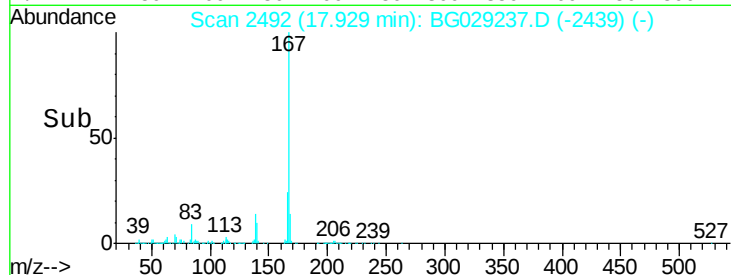
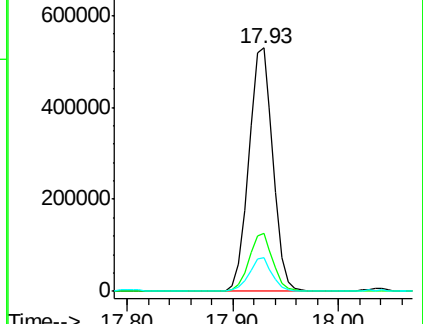
139 13.8 10.6 16.0



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: 133.55 ng/ul

RT: 19.59 min Scan# 2774

Delta R.T. 0.03 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

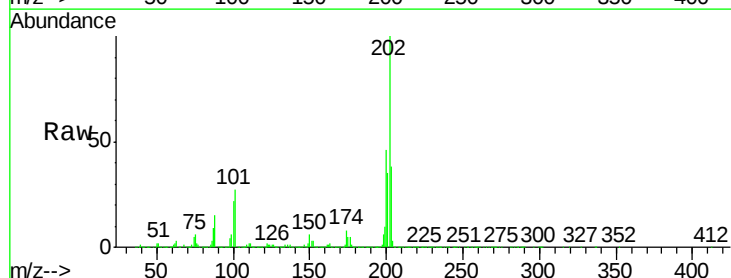
Tgt Ion:202 Resp: 5597255

Ion Ratio Lower Upper

202 100

101 27.0 7.4 11.2#

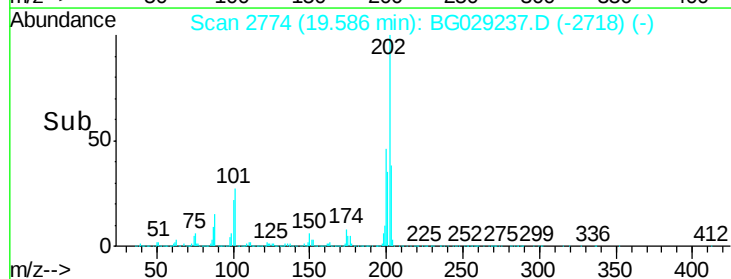
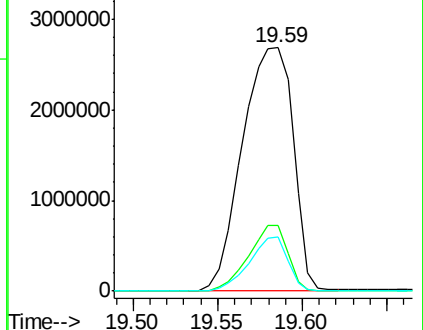
100 22.1 5.6 8.4#

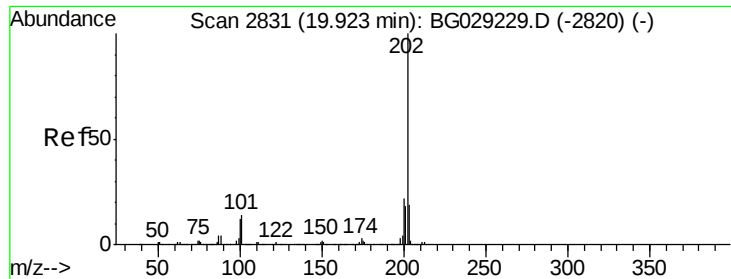


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 125.90 ng/ul

RT: 19.94 min Scan# 2835

Delta R.T. 0.02 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

Instrument :

BNA_G

ClientSampleId :

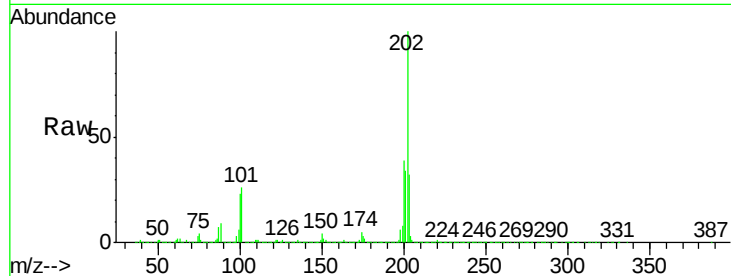
Tot Ion:202 Resp: 5008810

Ion Ratio Lower Upper

202 100

101 26.0 8.4 12.6#

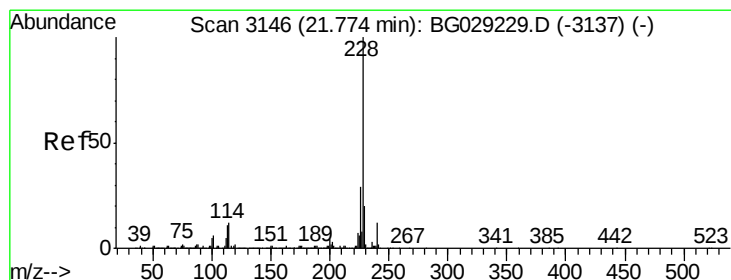
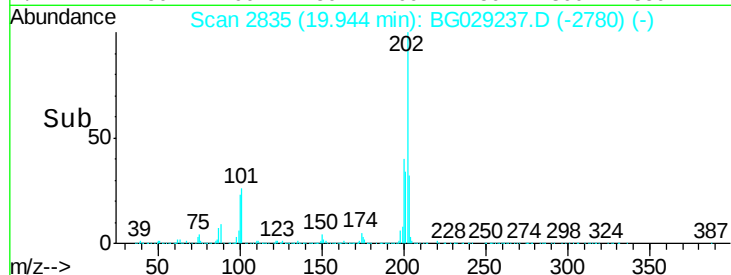
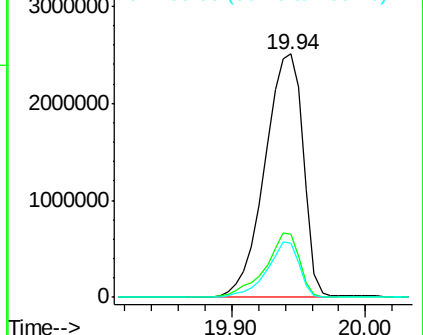
100 22.5 7.0 10.6#



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: 76.13 ng/ul

RT: 21.79 min Scan# 3149

Delta R.T. 0.02 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

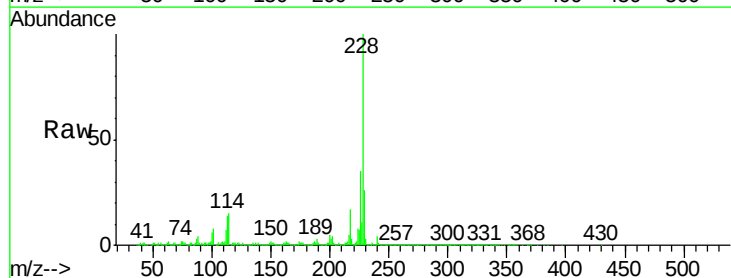
Tgt Ion:228 Resp: 2832143

Ion Ratio Lower Upper

228 100

229 25.6 16.2 24.4#

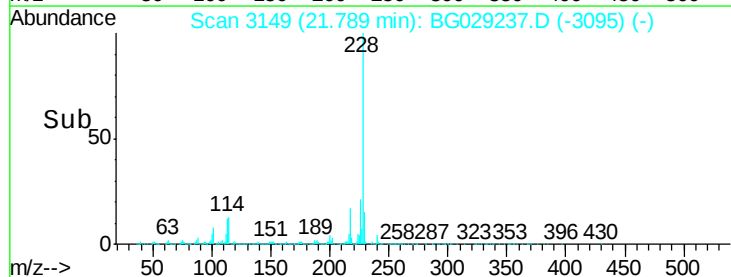
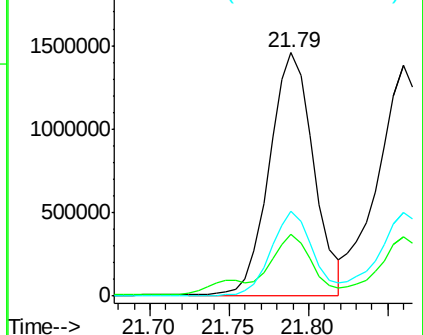
226 34.6 22.2 33.2#

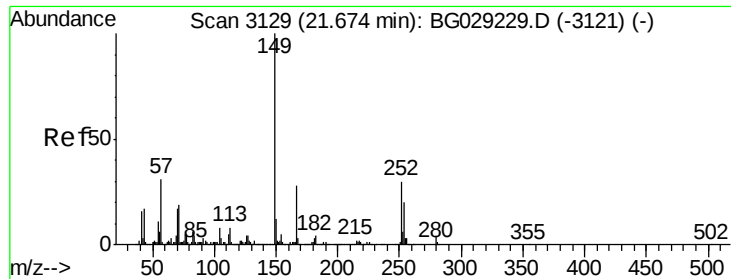


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

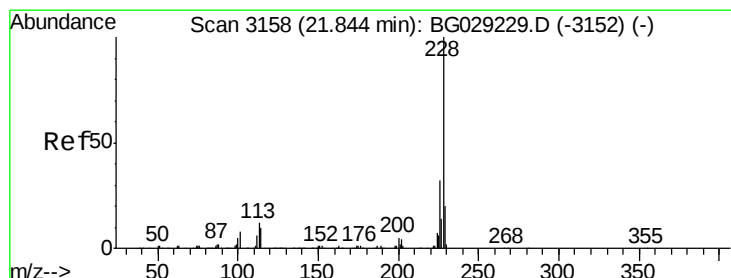
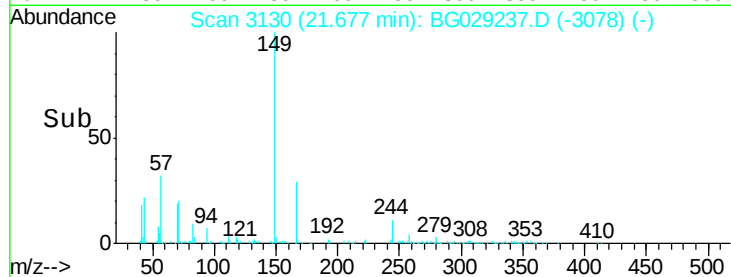
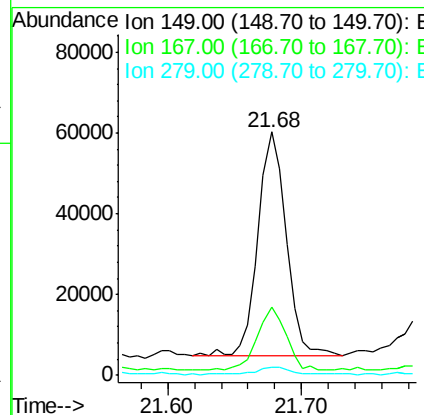
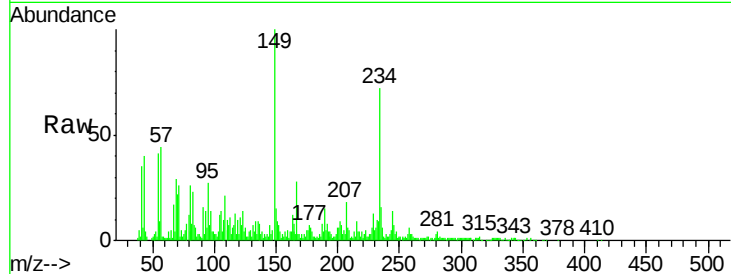




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 3.48 ng/ul
 RT: 21.68 min Scan# 3130
 Delta R.T. 0.00 min
 Lab File: BG029237.D
 Acq: 15 Oct 2017 00:14

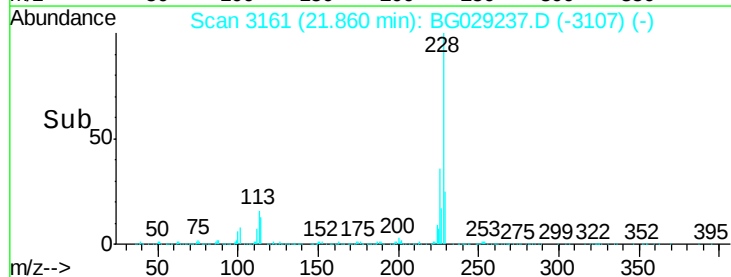
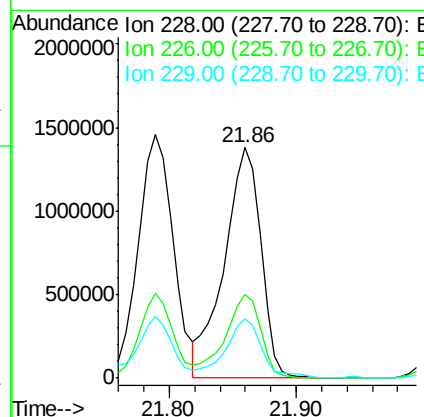
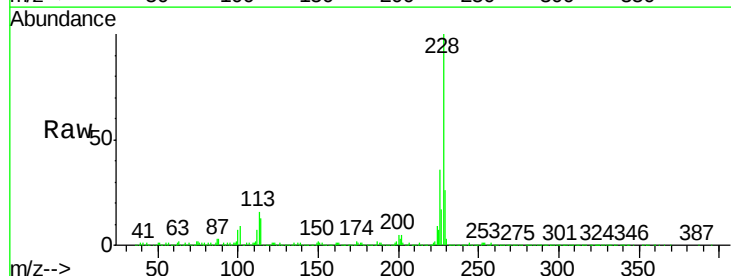
Instrument :
 BNA_G
 ClientSampleId :

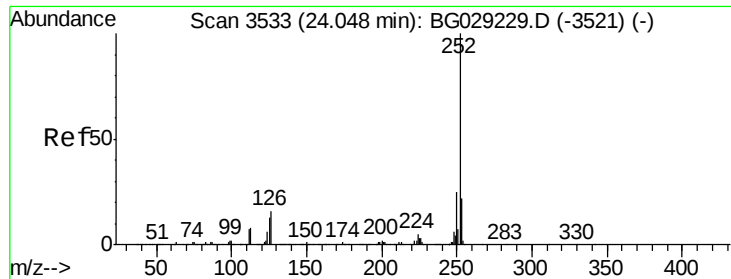
Tot Ion:149 Resp: 81351
 Ion Ratio Lower Upper
 149 100
 167 28.2 23.2 34.8
 279 3.4 3.1 4.7



#82
 Chrysene
 Concen: 81.25 ng/ul
 RT: 21.86 min Scan# 3161
 Delta R.T. 0.02 min
 Lab File: BG029237.D
 Acq: 15 Oct 2017 00:14

Tgt Ion:228 Resp: 2746340
 Ion Ratio Lower Upper
 228 100
 226 36.5 24.2 36.2#
 229 25.7 15.2 22.8#

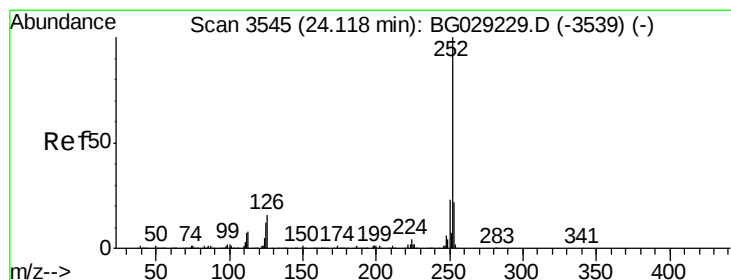
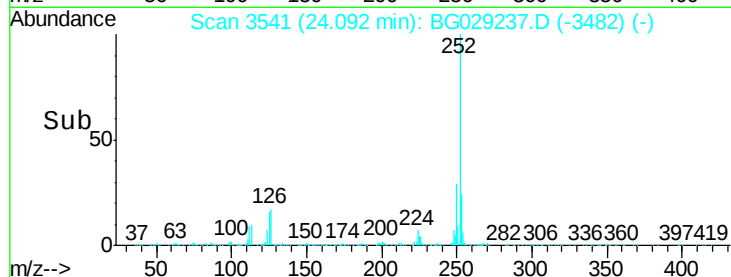
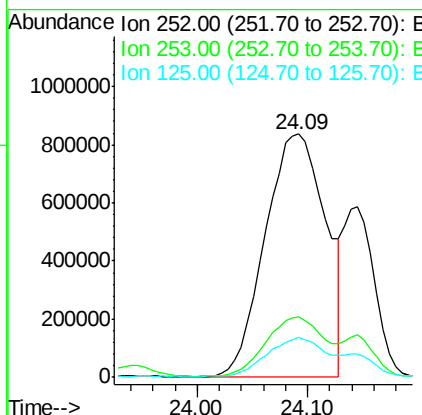
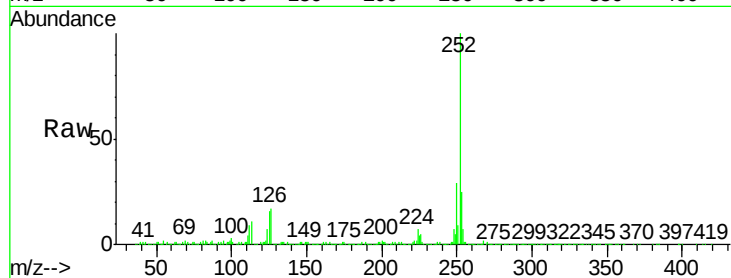




#85
Benzo(b)fluoranthene
Concen: 86.93 ng/ul
RT: 24.09 min Scan# 3541
Delta R.T. 0.04 min
Lab File: BG029237.D
Acq: 15 Oct 2017 00:14

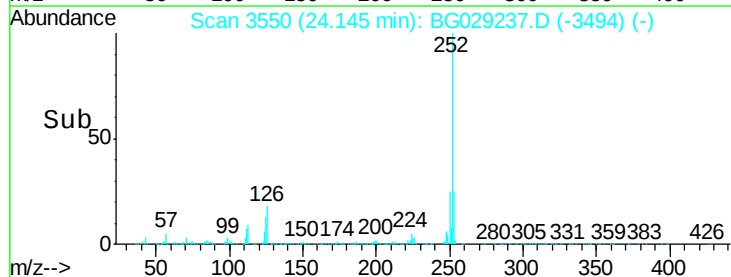
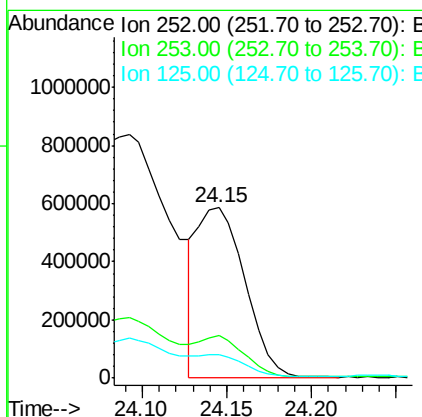
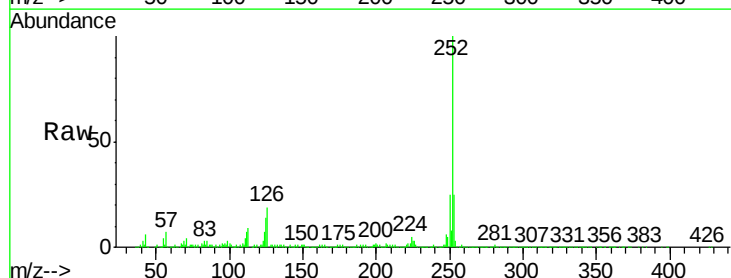
Instrument :
BNA_G
ClientSampled :

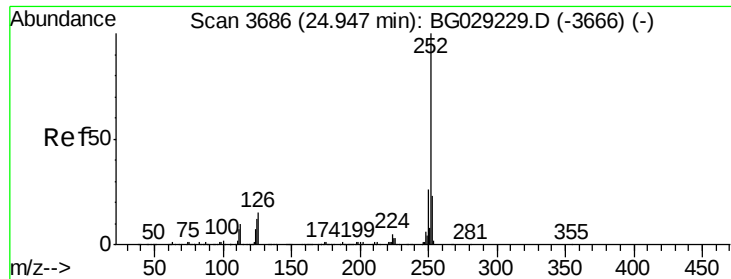
Tot Ion:252 Resp: 3180903
Ion Ratio Lower Upper
252 100
253 24.7 17.0 25.4
125 16.4 7.5 11.3#



#86
Benzo(k)fluoranthene
Concen: 32.06 ng/ul
RT: 24.15 min Scan# 3550
Delta R.T. 0.03 min
Lab File: BG029237.D
Acq: 15 Oct 2017 00:14

Tgt Ion:252 Resp: 1134192
Ion Ratio Lower Upper
252 100
253 25.4 17.2 25.8
125 14.0 7.8 11.8#





#88

Benzo(a)pyrene

Concen: 60.75 ng/ul

RT: 24.98 min Scan# 3692

Delta R.T. 0.03 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

Instrument :

BNA_G

ClientSampleId :

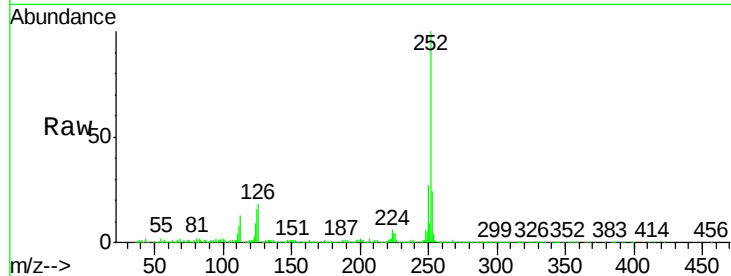
Tot Ion:252 Resp: 2163901

Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

125 15.9 7.8 11.8#



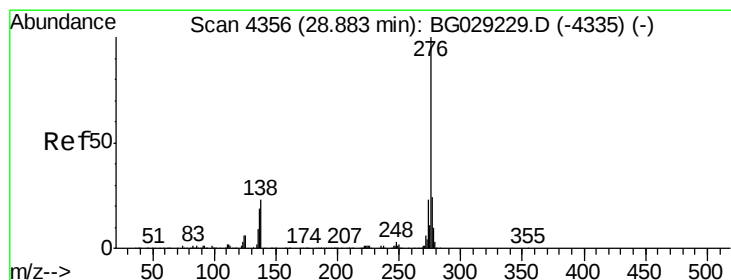
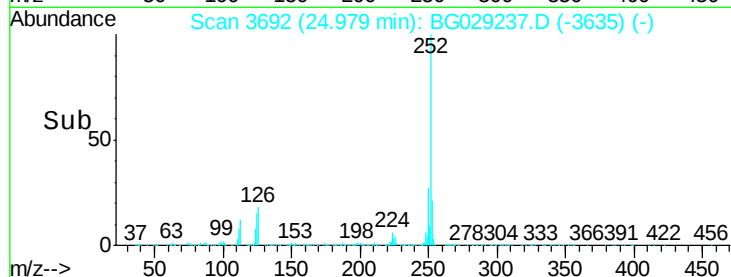
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

24.98

Time-->



#89

Indeno(1,2,3-cd)pyrene

Concen: 36.27 ng/ul

RT: 28.94 min Scan# 4366

Delta R.T. 0.06 min

Lab File: BG029237.D

Acq: 15 Oct 2017 00:14

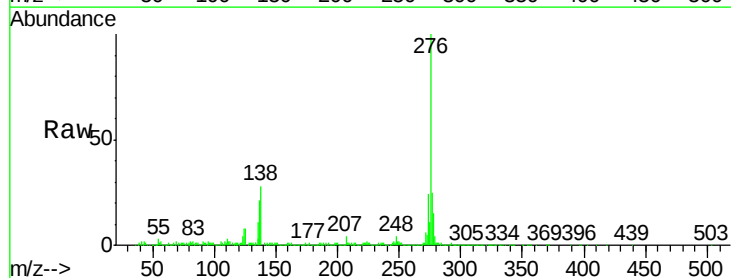
Tgt Ion:276 Resp: 1461593

Ion Ratio Lower Upper

276 100

138 28.5 13.4 20.0#

277 25.0 18.6 28.0



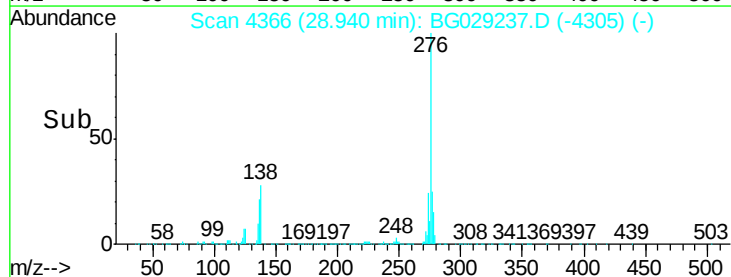
Abundance Ion 276.00 (275.70 to 276.70): E

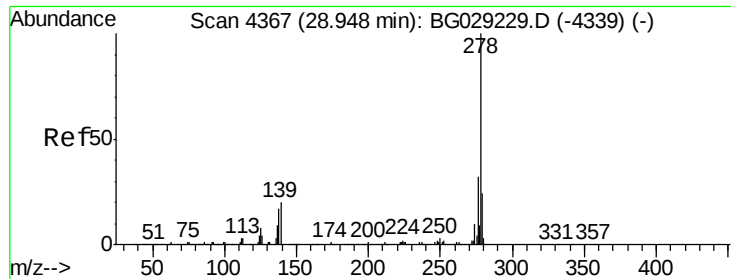
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

28.94

Time-->



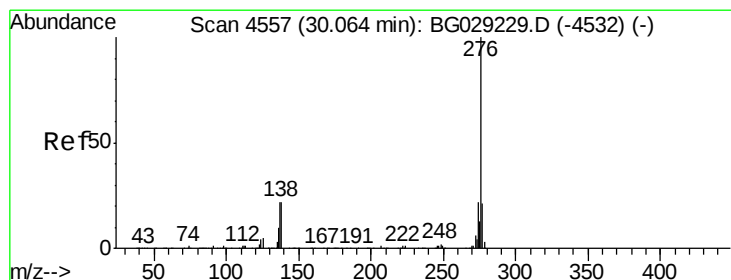
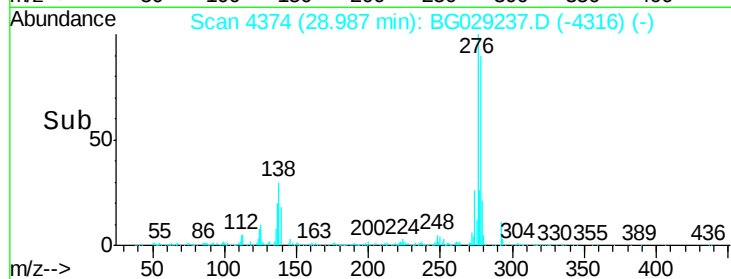
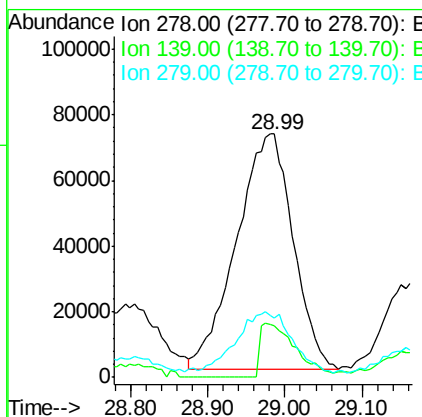
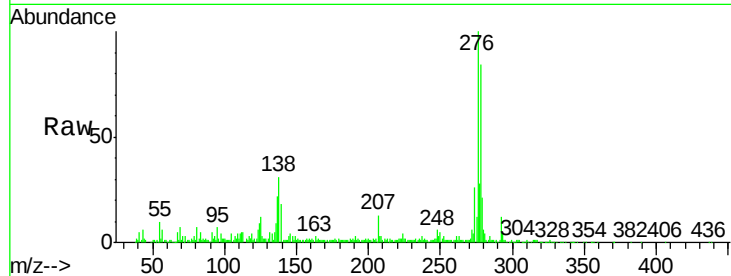


#90
Dibenzo(a,h)anthracene
Concen: 10.99 ng/ul
RT: 28.99 min Scan# 4374
Delta R.T. 0.04 min
Lab File: BG029237.D
Acq: 15 Oct 2017 00:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:278 Resp: 367819

Ion	Ratio	Lower	Upper
278	100		
139	21.2	9.4	14.2#
279	24.6	18.4	27.6



#91
Benzo(g,h,i)perylene
Concen: 34.77 ng/ul
RT: 30.13 min Scan# 4568
Delta R.T. 0.06 min
Lab File: BG029237.D
Acq: 15 Oct 2017 00:14

Tgt Ion:276 Resp: 1161296

Ion	Ratio	Lower	Upper
276	100		
138	28.1	12.1	18.1#
277	22.8	17.7	26.5

