

Data File : BG026932.D
Acq On : 10 May 2017 4:11
Operator : SJ/MA
Sample : I2842-18 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BDC38

Quant Time: May 10 04:55:52 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 10 01:49:01 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	191615	20.00	ng/ul	0.00
18) Naphthalene-d8	10.80	136	902867	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.62	164	462356	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.35	188	839520	20.00	ng/ul	0.00
75) Chrysene-d12	21.61	240	720272	20.00	ng/ul	0.02
83) Perylene-d12	24.57	264	222308	20.00	ng/ul	-0.19

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.43	96	3354	0.79	ng/uL	0.00
5) Phenol-d5	7.19	99	94109	5.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.33	67	54157	5.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	76511	5.27	ng/ul	0.00
13) 4-Methylphenol-d8	8.72	113	75910	5.35	ng/ul	0.00
19) Nitrobenzene-d5	9.17	128	40140	5.32	ng/ul	0.00
22) 2-Nitrophenol-d4	9.89	143	40897	4.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.44	165	65307	5.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.95	131	24043	1.38	ng/ul	0.00
43) Dimethylphthalate-d6	14.02	166	216432	5.82	ng/ul	0.00
46) Acenaphthylene-d8	14.31	160	287672	6.15	ng/ul	0.00
51) 4-Nitrophenol-d4	14.86	143	22009	3.28	ng/ul	0.03
57) Fluorene-d10	15.60	176	182251	5.61	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.74	200	5124	1.01	ng/ul	0.00
70) Anthracene-d10	17.45	188	263433	6.47	ng/ul	0.00
76) Pyrene-d10	19.74	212	240780	6.33	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.33	264	1096	0.10	ng/ul	-0.21

Target Compounds

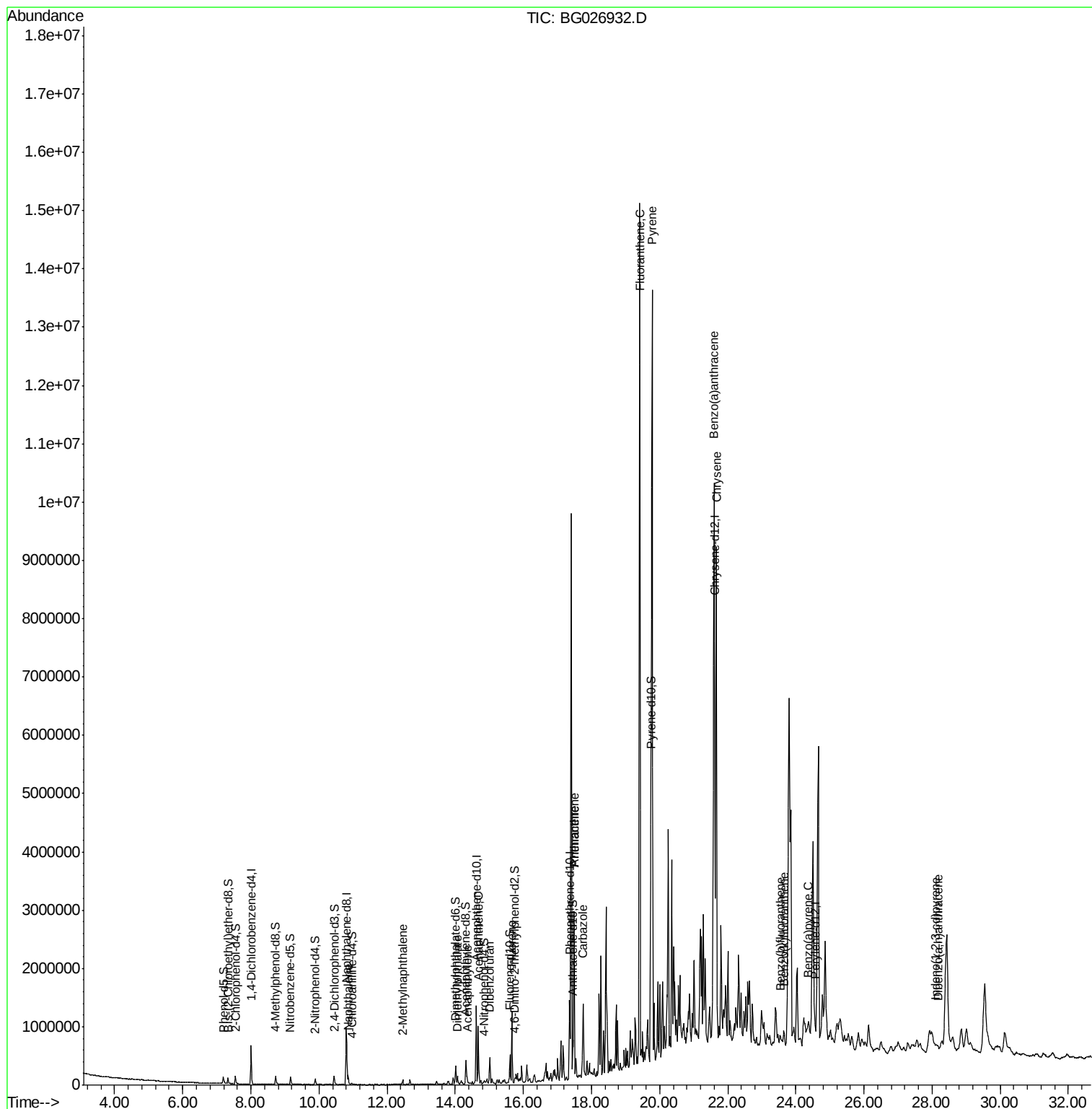
						Qvalue
28) Naphthalene	10.86	128	135588	2.88	ng/ul	97
34) 2-Methylnaphthalene	12.45	142	46755	1.34	ng/ul	98
44) Dimethylphthalate	14.06	163	91566	2.51	ng/ul	96
47) Acenaphthylene	14.35	152	137089	2.88	ng/ul	98
49) Acenaphthene	14.68	153	412045	12.44	ng/ul	97
53) Dibenzofuran	15.02	168	276509	6.27	ng/ul	95
58) Fluorene	15.66	166	549126	15.26	ng/ul	98
69) Phenanthrene	17.49	178	1745080	36.90	ng/ul	98
71) Anthracene	17.49	178	1745080	35.97	ng/ul	98
72) Carbazole	17.76	167	794121	19.36	ng/ul	98
74) Fluoranthene	19.42	202	7435137	169.34	ng/ul#	27
77) Pyrene	19.78	202	6950461	143.83	ng/ul#	25
80) Benzo(a)anthracene	21.60	228	4951290	117.54	ng/ul#	80
82) Chrysene	21.67	228	4972763	127.07	ng/ul#	80
85) Benzo(b)fluoranthene	23.53	252	14326	1.13	ng/ul#	1
86) Benzo(k)fluoranthene	23.65	252	45487	3.64	ng/ul#	1
88) Benzo(a)pyrene	24.36	252	59638	4.77	ng/ul#	1
89) Indeno(1,2,3-cd)pyrene	28.11	276	88595	5.98	ng/ul#	56
90) Dibenzo(a,h)anthracene	28.18	278	42690	3.40	ng/ul#	68

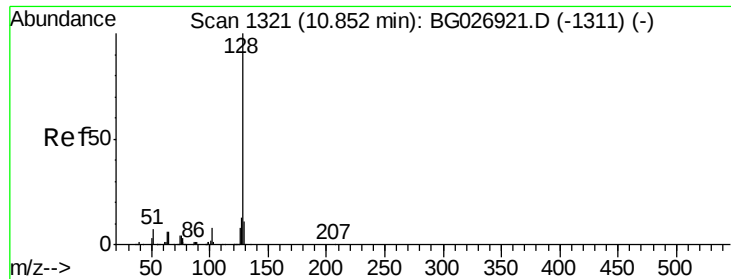
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 27 Sample Multiplier: 1

BDC38

Response via : Initial Calibration

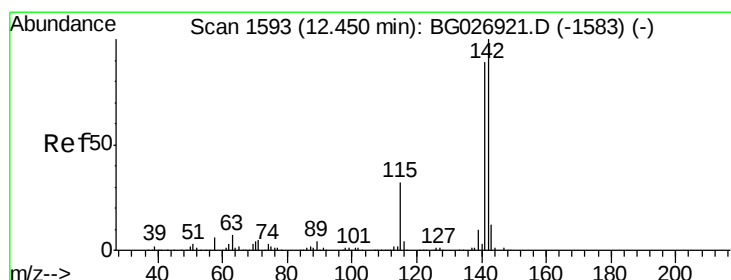
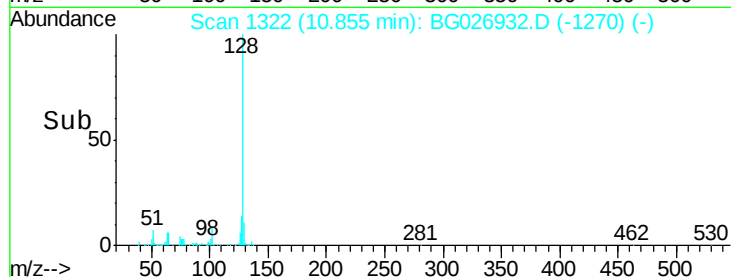
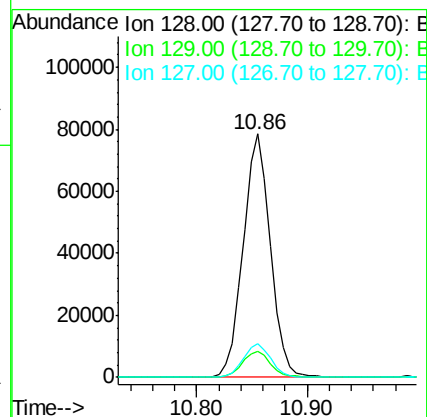
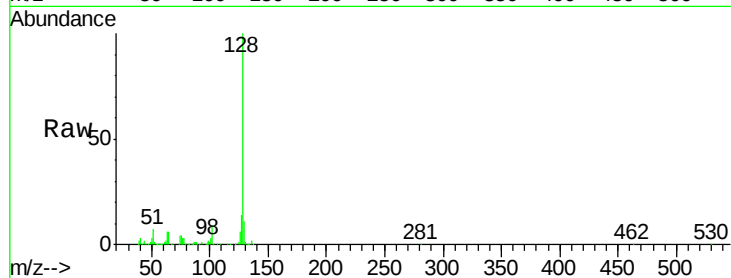




#28
Naphthalene
Concen: 2.88 ng/ul
RT: 10.86 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BG026932.D
Acq: 10 May 2017 4:11

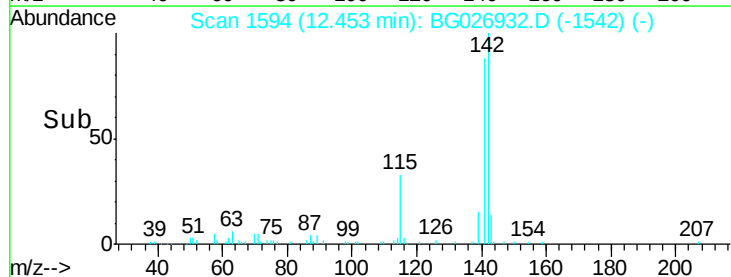
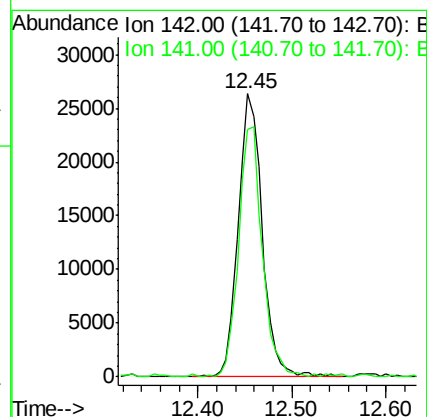
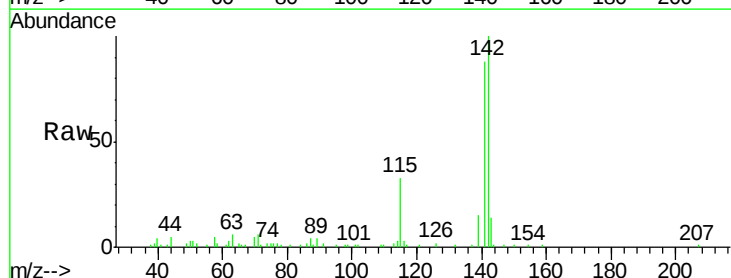
Instrument :
BNA_G
ClientSampleId :
BDC38

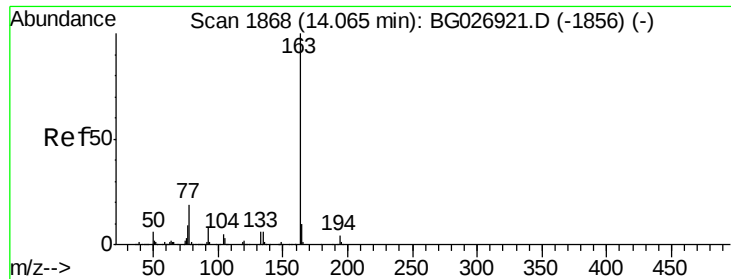
Tgt Ion:128 Resp: 135588
Ion Ratio Lower Upper
128 100
129 10.8 9.4 14.2
127 14.0 10.3 15.5



#34
2-Methylnaphthalene
Concen: 1.34 ng/ul
RT: 12.45 min Scan# 1594
Delta R.T. 0.00 min
Lab File: BG026932.D
Acq: 10 May 2017 4:11

Tgt Ion:142 Resp: 46755
Ion Ratio Lower Upper
142 100
141 87.6 68.6 102.8





#44

Dimethylphthalate

Concen: 2.51 ng/ul

RT: 14.06 min Scan# 1868

Delta R.T. -0.00 min

Lab File: BG026932.D

Acq: 10 May 2017 4:11

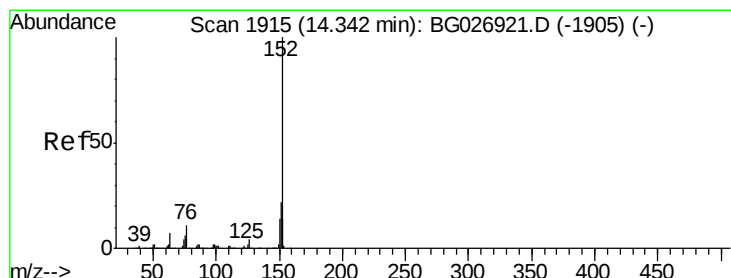
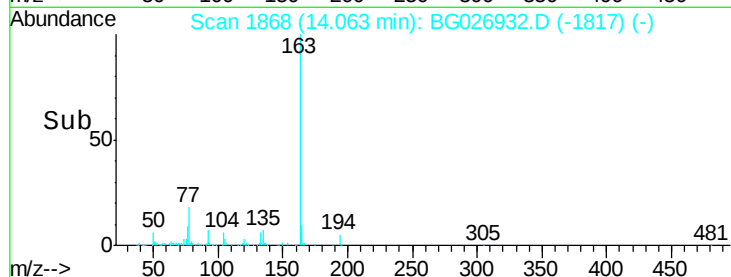
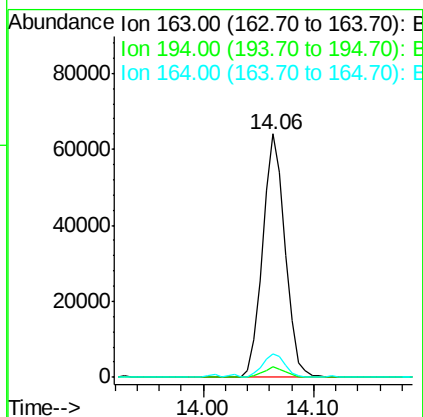
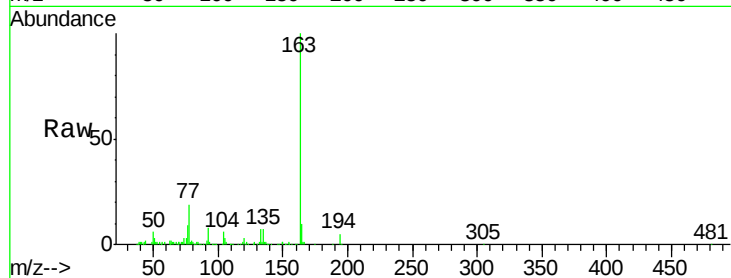
Instrument :

BNA_G

ClientSampleId :

BDC38

Tgt Ion:	163	Resp:	91566
Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.0
164	9.5	9.0	13.4



#47

Acenaphthylene

Concen: 2.88 ng/ul

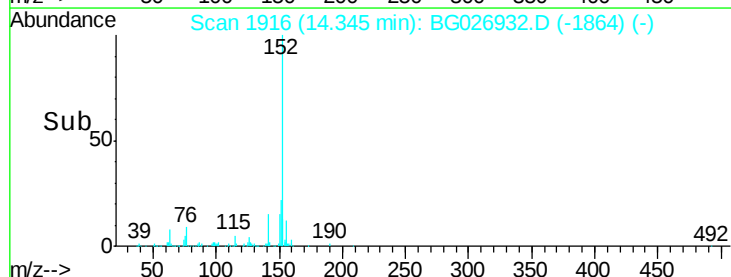
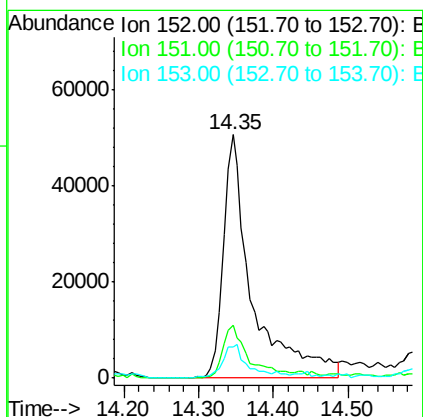
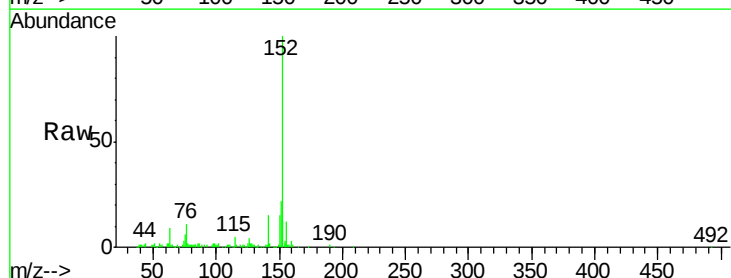
RT: 14.35 min Scan# 1916

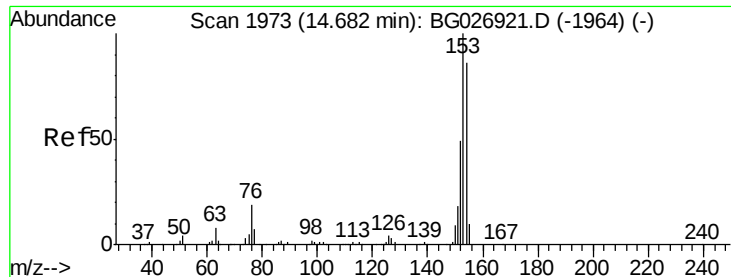
Delta R.T. 0.00 min

Lab File: BG026932.D

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Tgt Ion:	152	Resp:	137089
Ion	Ratio	Lower	Upper
152	100		
151	21.6	16.7	25.1
153	12.8	11.4	17.2





#49

Acenaphthene

Concen: 12.44 ng/ul

RT: 14.68 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BG026932.D

Acq: 10 May 2017 4:11

Instrument :

BNA_G

ClientSampleId :

BDC38

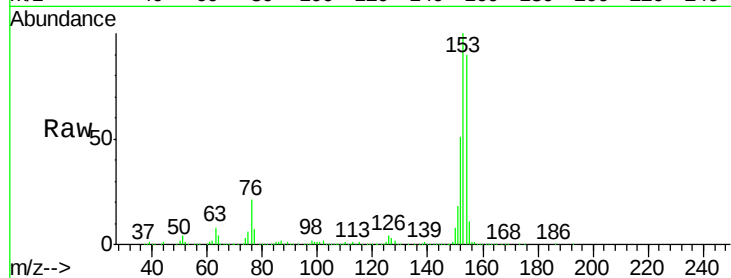
Tgt Ion:153 Resp: 412045

Ion Ratio Lower Upper

153 100

152 51.2 36.5 54.7

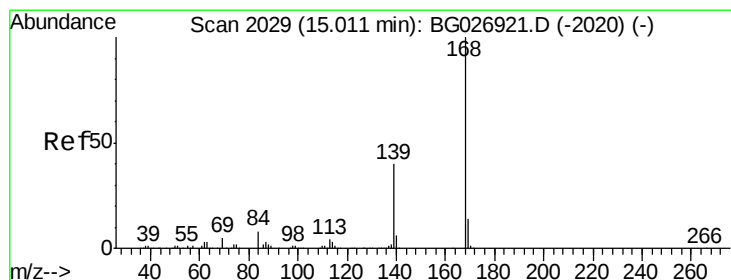
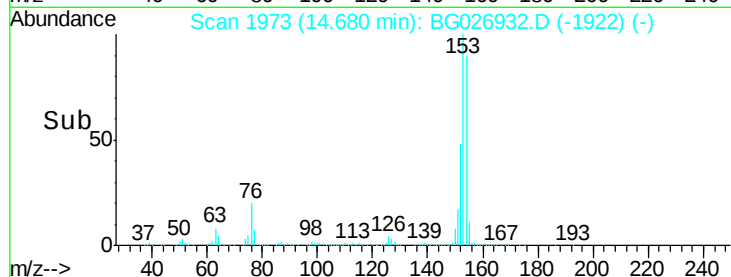
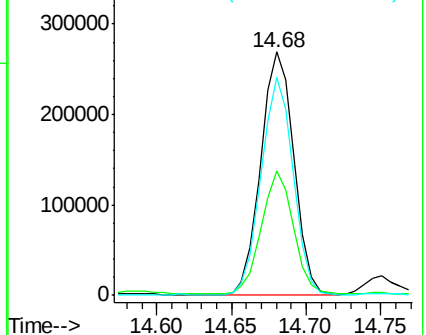
154 89.8 72.3 108.5



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

Dibenzofuran

Concen: 6.27 ng/ul

RT: 15.02 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BG026932.D

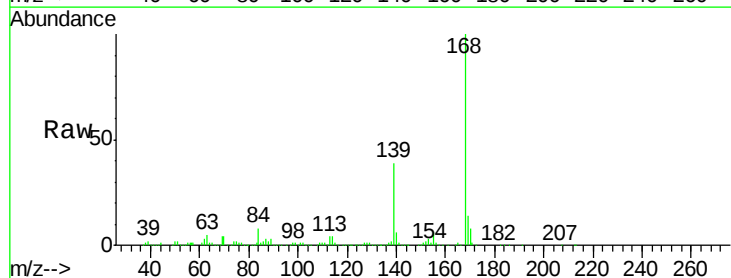
Acq: 10 May 2017 4:11

Tgt Ion:168 Resp: 276509

Ion Ratio Lower Upper

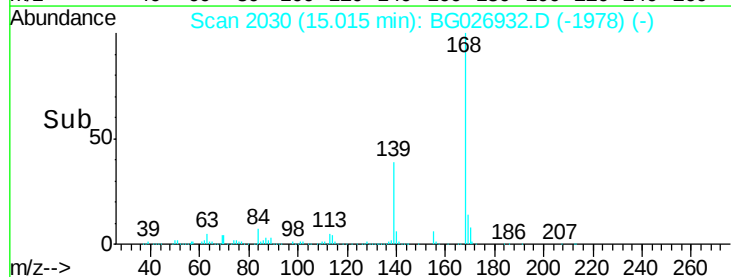
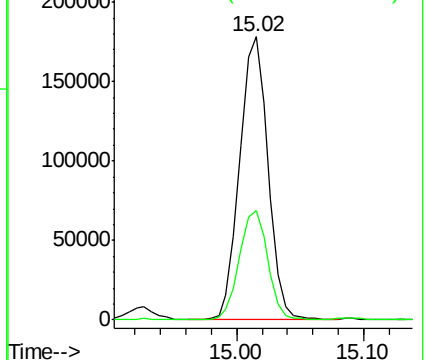
168 100

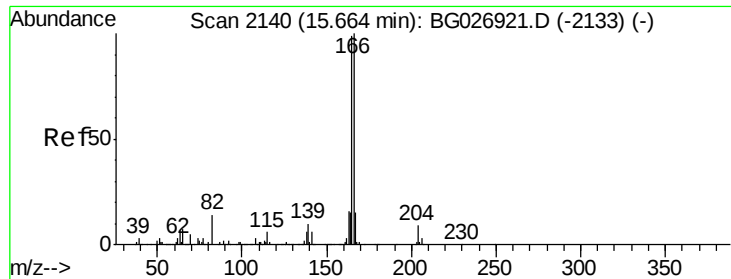
139 38.8 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 15.26 ng/ul

RT: 15.66 min Scan# 2140

Delta R.T. -0.00 min

Lab File: BG026932.D

Acq: 10 May 2017 4:11

Instrument :

BNA_G

ClientSampleId :

BDC38

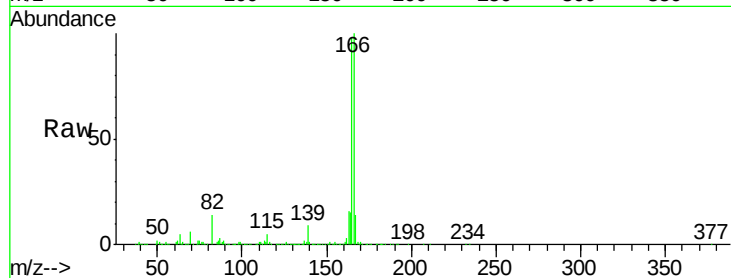
Tgt Ion:166 Resp: 549126

Ion Ratio Lower Upper

166 100

165 98.0 79.7 119.5

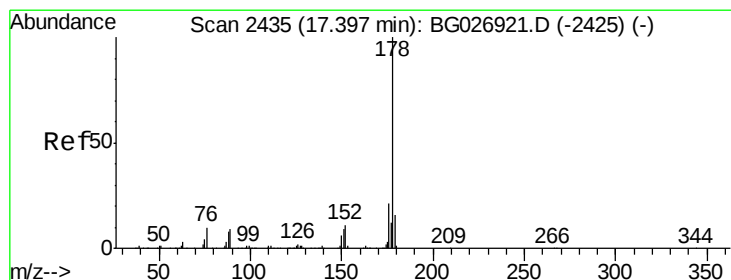
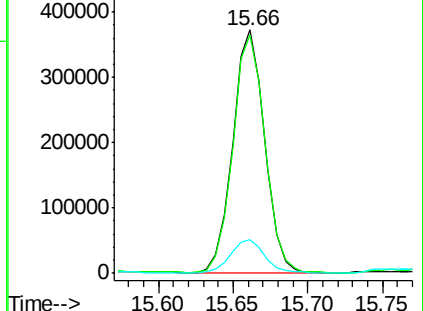
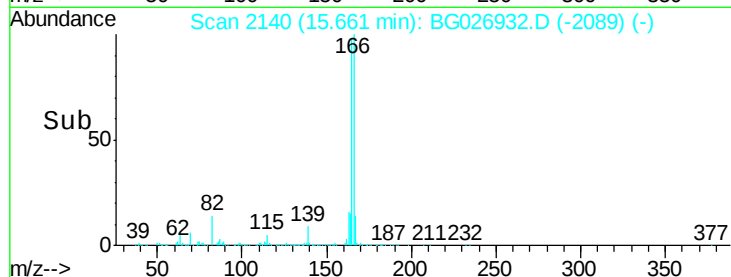
167 14.0 11.4 17.2



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



#69

Phenanthrene

Concen: 36.90 ng/ul

RT: 17.49 min Scan# 2451

Delta R.T. 0.09 min

Lab File: BG026932.D

Acq: 10 May 2017 4:11

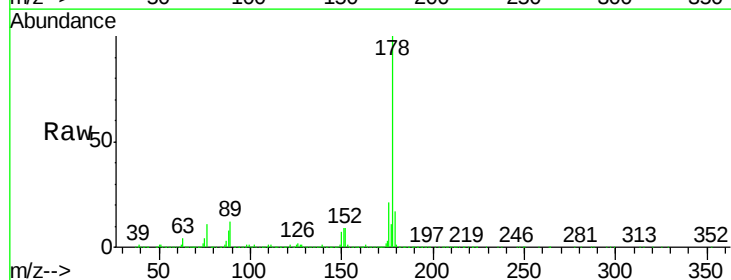
Tgt Ion:178 Resp: 1745080

Ion Ratio Lower Upper

178 100

179 17.1 12.4 18.6

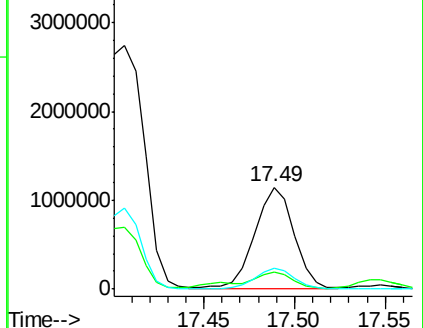
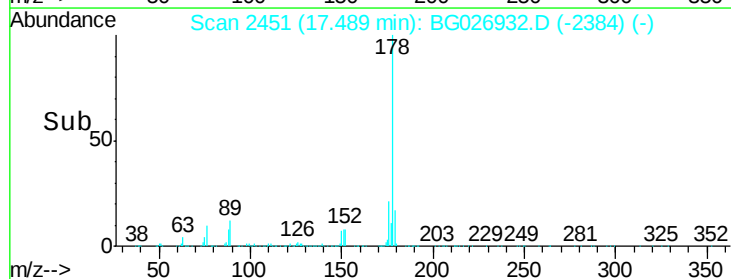
176 20.6 16.5 24.7

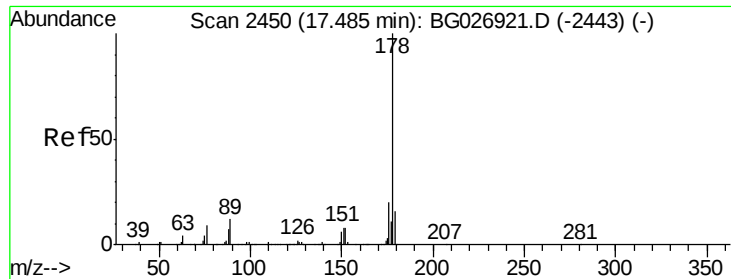


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 35.97 ng/ul

RT: 17.49 min Scan# 2451

Delta R.T. 0.00 min

Lab File: BG026932.D

Acq: 10 May 2017 4:11

Instrument :

BNA_G

ClientSampleId :

BDC38

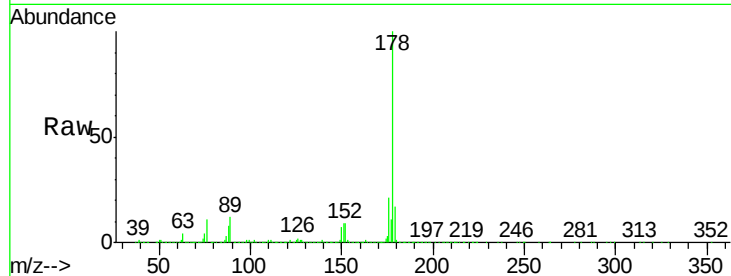
Tgt Ion:178 Resp: 1745080

Ion Ratio Lower Upper

178 100

179 17.1 12.6 19.0

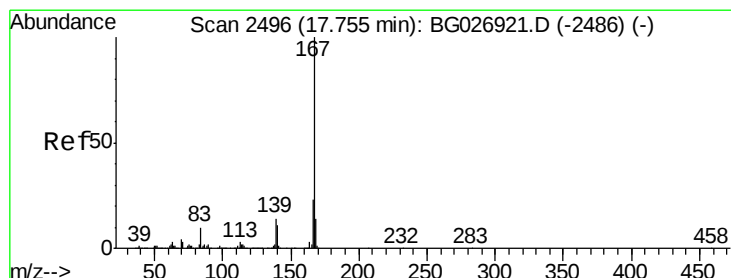
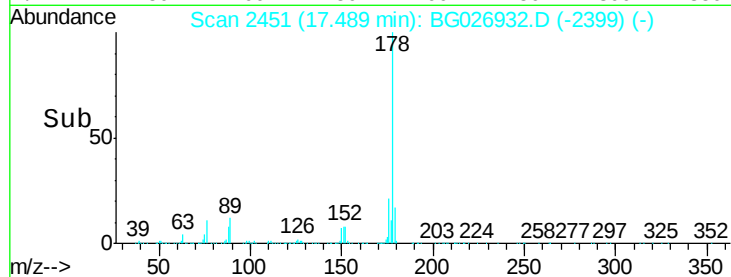
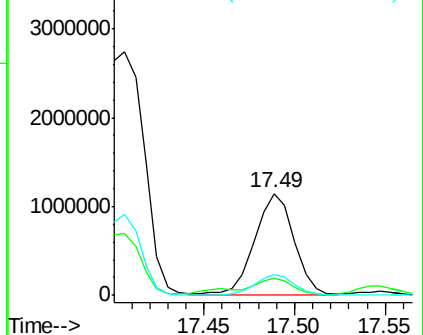
176 20.6 15.9 23.9



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: 19.36 ng/ul

RT: 17.76 min Scan# 2497

Delta R.T. 0.00 min

Lab File: BG026932.D

Acq: 10 May 2017 4:11

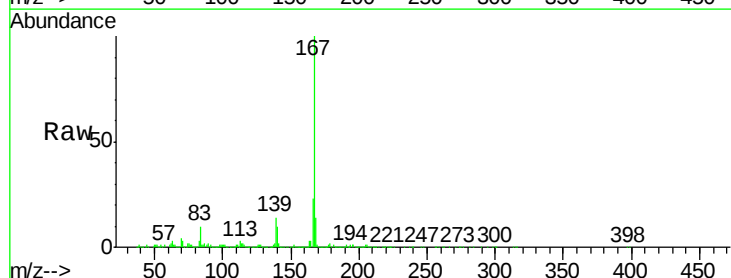
Tgt Ion:167 Resp: 794121

Ion Ratio Lower Upper

167 100

166 22.8 17.9 26.9

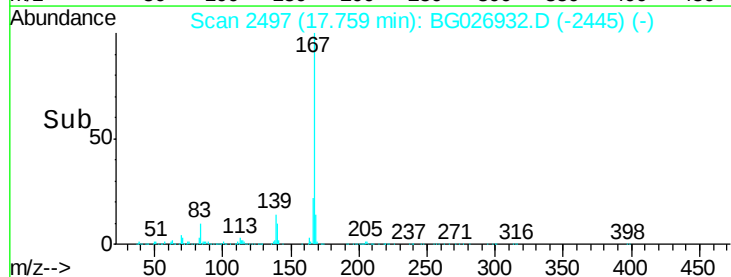
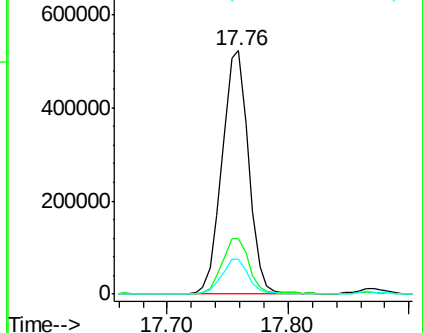
139 14.2 10.5 15.7

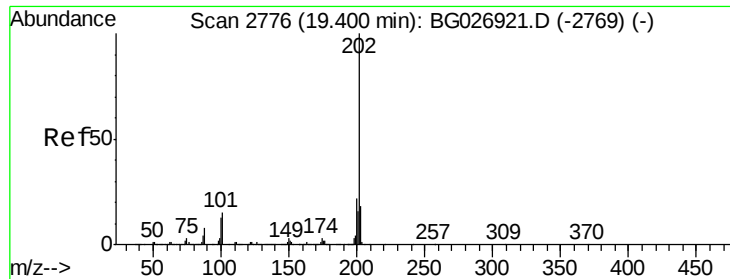


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 169.34 ng/ul

RT: 19.42 min Scan# 2780

Delta R.T. 0.02 min

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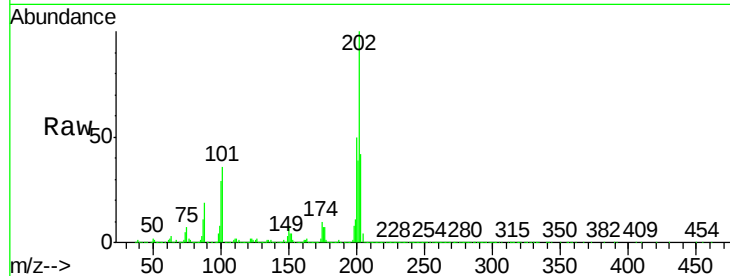
Tgt Ion:202 Resp: 7435137

Ion Ratio Lower Upper

202 100

101 35.8 6.2 9.2#

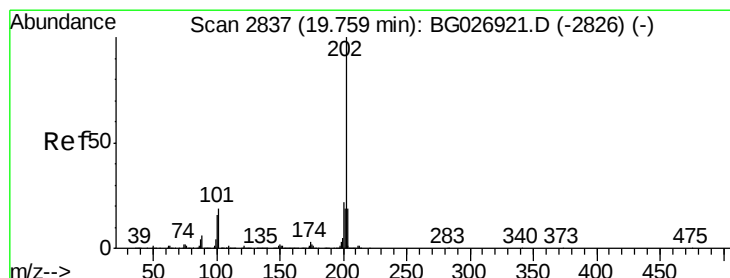
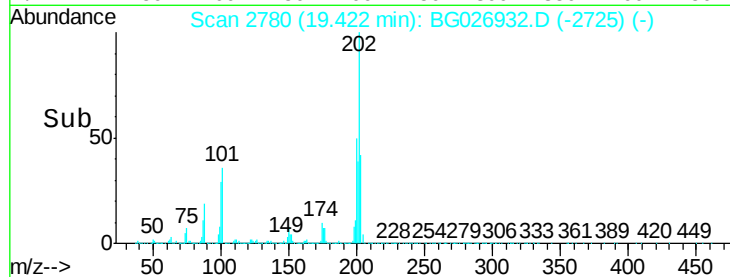
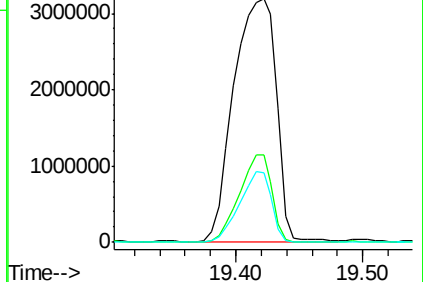
100 28.7 5.2 7.8#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 143.83 ng/ul

RT: 19.78 min Scan# 2841

Delta R.T. 0.02 min

Lab File: BG026932.D

Acq: 10 May 2017 4:11

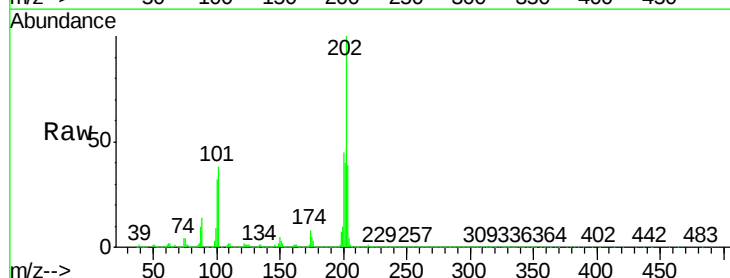
Tgt Ion:202 Resp: 6950461

Ion Ratio Lower Upper

202 100

101 38.1 6.9 10.3#

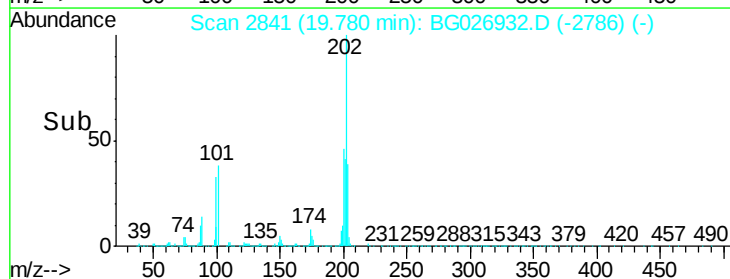
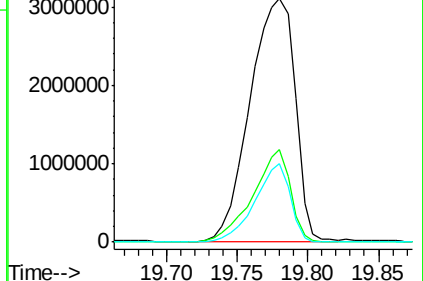
100 32.3 6.6 10.0#

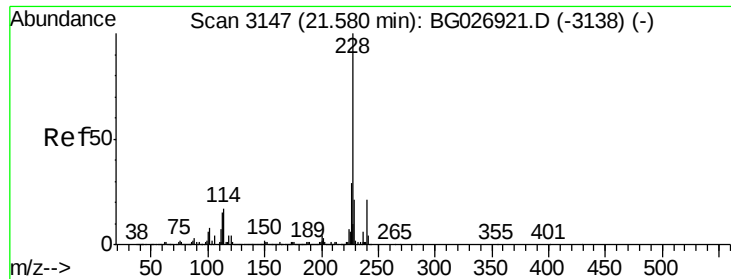


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 117.54 ng/ul

RT: 21.60 min Scan# 3150

Delta R.T. 0.02 min

Lab File: BG026932.D

Acq: 10 May 2017 4:11

Instrument :

BNA_G

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BDC38

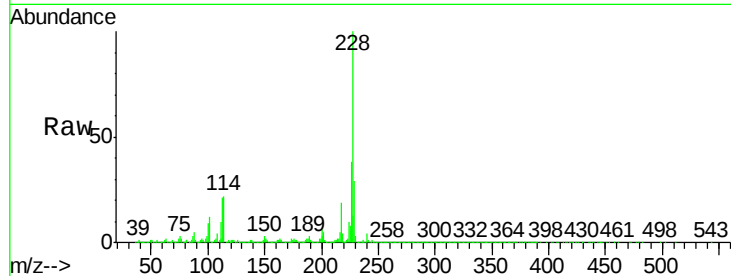
Tgt Ion:228 Resp: 4951290

Ion Ratio Lower Upper

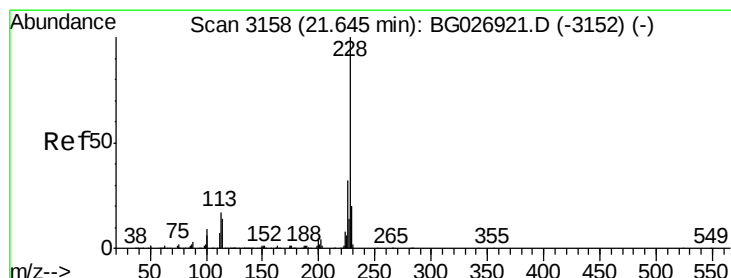
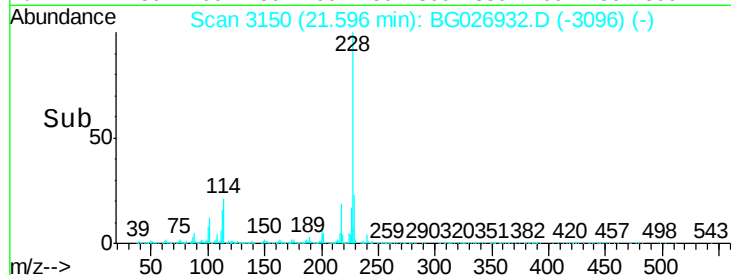
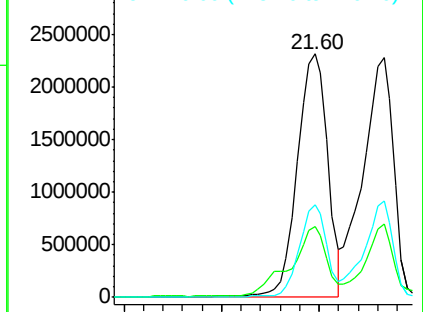
228 100

229 29.0 16.3 24.5#

226 38.3 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



#82

Chrysene

Concen: 127.07 ng/ul

RT: 21.67 min Scan# 3162

Delta R.T. 0.02 min

Lab File: BG026932.D

Acq: 10 May 2017 4:11

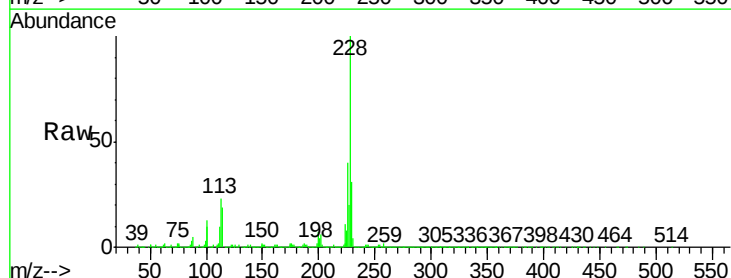
Tgt Ion:228 Resp: 4972763

Ion Ratio Lower Upper

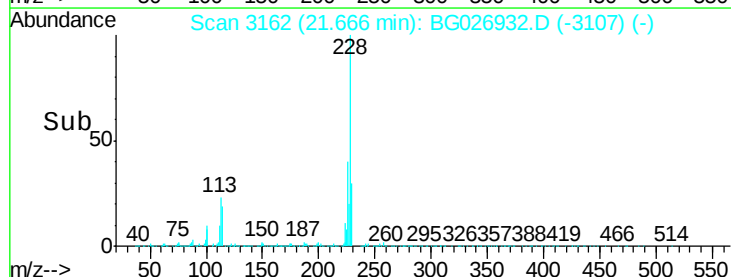
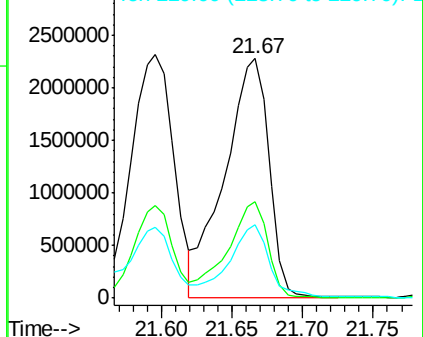
228 100

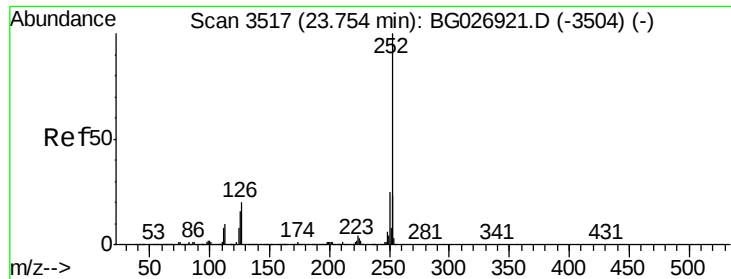
226 40.4 24.0 36.0#

229 30.6 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: 1.13 ng/ul

RT: 23.53 min Scan# 3479

Delta R.T. -0.23 min

Lab File: BG026932.D

Acq: 10 May 2017 4:11

Instrument :

BNA_G

ClientSampleId :

BDC38

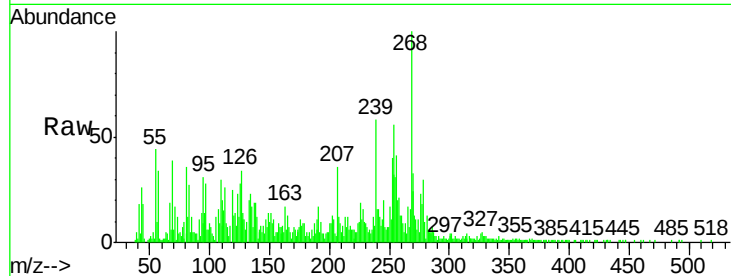
Tgt Ion:252 Resp: 14326

Ion Ratio Lower Upper

252 100

253 80.3 17.7 26.5#

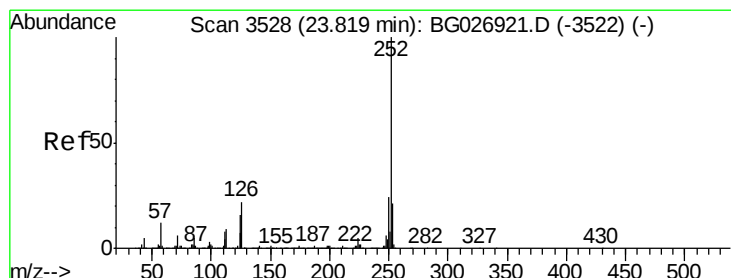
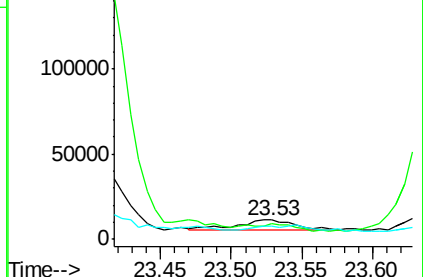
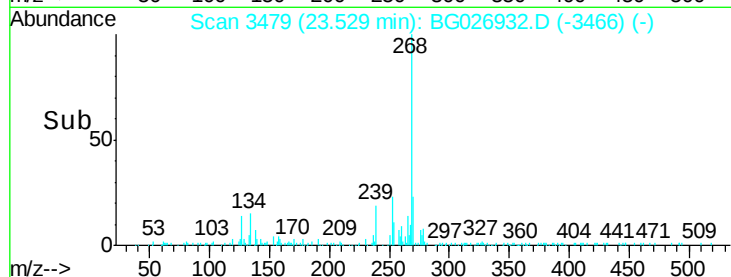
125 69.0 4.0 6.0#



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: 3.64 ng/ul

RT: 23.65 min Scan# 3500

Delta R.T. -0.17 min

Lab File: BG026932.D

Acq: 10 May 2017 4:11

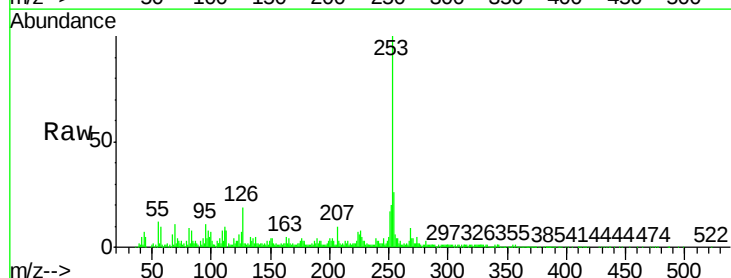
Tgt Ion:252 Resp: 45487

Ion Ratio Lower Upper

252 100

253 490.3 18.5 27.7#

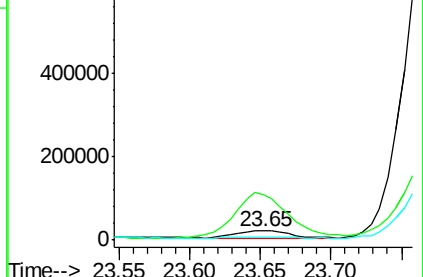
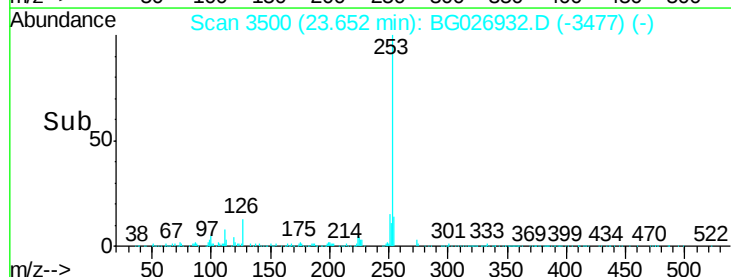
125 36.0 4.1 6.1#

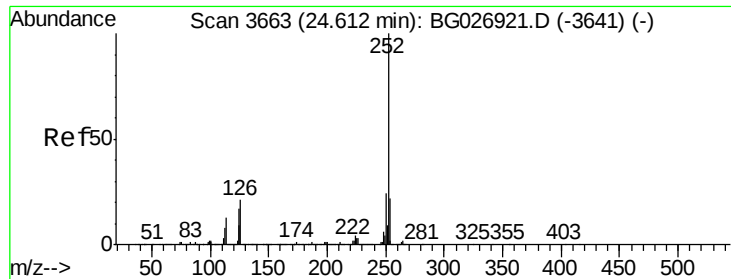


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 4.77 ng/ul

RT: 24.36 min Scan# 3620

Delta R.T. -0.25 min

Lab File: BG026932.D

Acq: 10 May 2017 4:11

Instrument :

BNA_G

ClientSampleId :

BDC38

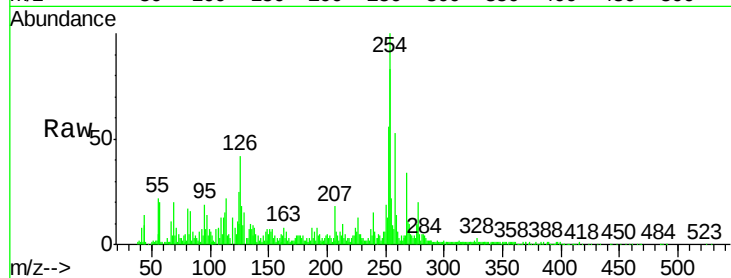
Tgt Ion:252 Resp: 59638

Ion Ratio Lower Upper

252 100

253 147.9 17.8 26.6#

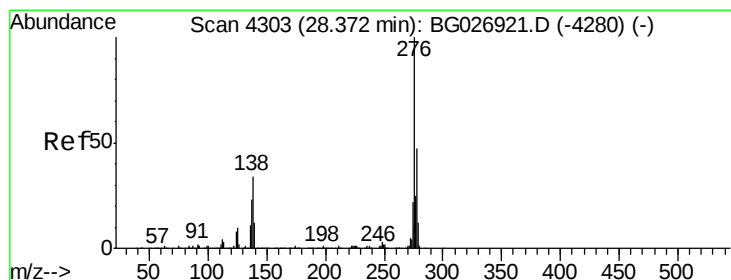
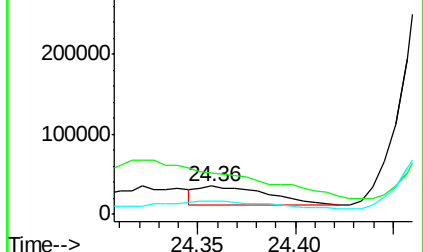
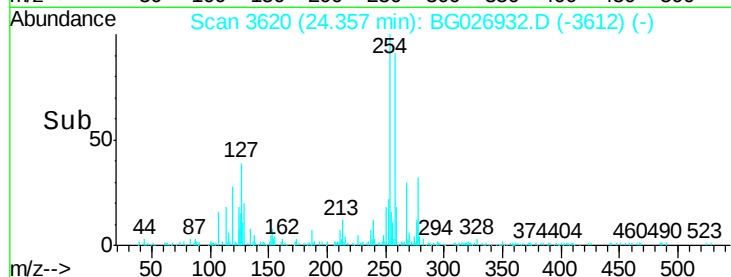
125 45.1 5.4 8.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Indeno(1,2,3-cd)pyrene

Concen: 5.98 ng/ul

RT: 28.11 min Scan# 4259

Delta R.T. -0.26 min

Lab File: BG026932.D

Acq: 10 May 2017 4:11

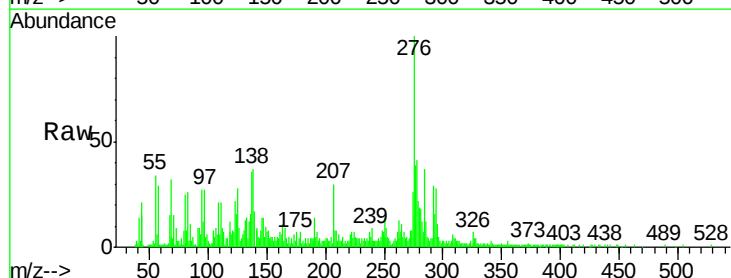
Tgt Ion:276 Resp: 88595

Ion Ratio Lower Upper

276 100

138 36.9 8.2 12.4#

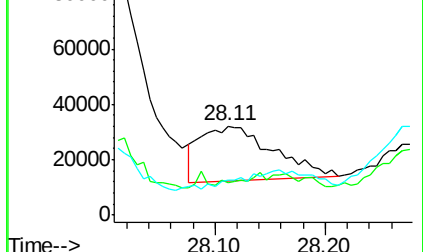
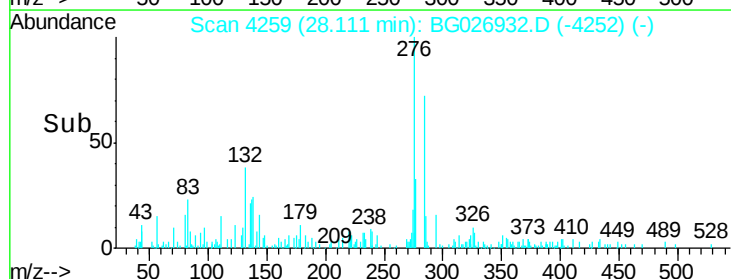
277 39.1 18.6 28.0#

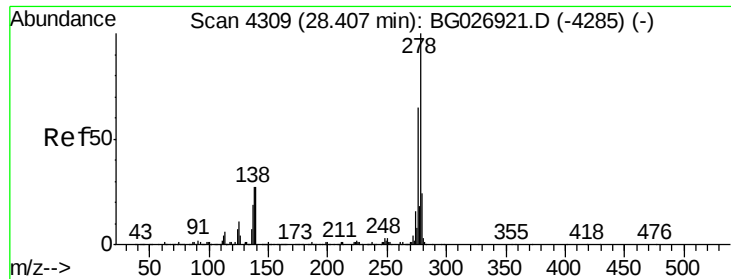


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 3.40 ng/ul

RT: 28.18 min Scan# 4270

Delta R.T. -0.23 min

Lab File: BG026932.D

Acq: 10 May 2017 4:11

Instrument :

BNA_G

ClientSampleId :

BDC38

Tgt Ion: 278 Resp: 42690

Ion Ratio Lower Upper

278 100

139 25.2 6.7 10.1#

279 40.0 20.9 31.3#

