

Data File : BG027542.D
Acq On : 19 Jun 2017 23:36
Operator : SJ/MA
Sample : I3599-10DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5B24DL

Quant Time: Jun 20 01:52:59 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 20 01:50:01 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	33460	20.00	ng/ul	0.00
18) Naphthalene-d8	11.34	136	173959	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.10	164	113972	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.85	188	257914	20.00	ng/ul	0.00
75) Chrysene-d12	22.23	240	289184	20.00	ng/ul	0.00
83) Perylene-d12	25.89	264	271268	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.66	99	1763	0.49	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.84	67	1292	0.52	ng/ul	0.00
9) 2-Chlorophenol-d4	8.06	132	1349	0.56	ng/ul	0.00
13) 4-Methylphenol-d8	9.19	113	1440	0.51	ng/ul	0.00
19) Nitrobenzene-d5	9.69	128	527	0.42	ng/ul	0.00
22) 2-Nitrophenol-d4	10.40	143	595	0.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.95	165	1070	0.42	ng/ul	0.00
29) 4-Chloroaniline-d4	11.47	131	1290	0.40	ng/ul	0.00
43) Dimethylphthalate-d6	14.49	166	4889	0.51	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	5810	0.53	ng/ul	0.00
51) 4-Nitrophenol-d4	15.29	143	278	0.15	ng/ul	0.01
57) Fluorene-d10	16.09	176	5594	0.62	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.20	200	218	0.14	ng/ul	0.00
70) Anthracene-d10	17.95	188	7854	0.65	ng/ul	0.00
76) Pyrene-d10	20.22	212	8696	0.62	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.63	264	8233	0.67	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	11.39	128	53312	5.96	ng/ul	98
30) 4-Chloroaniline	11.38	127	7476	2.36	ng/ul#	41
34) 2-Methylnaphthalene	12.95	142	17514	2.64	ng/ul	92
49) Acenaphthene	15.17	153	112929	14.70	ng/ul	96
53) Dibenzofuran	15.50	168	64382	5.75	ng/ul	96
58) Fluorene	16.14	166	103520	11.14	ng/ul	97
69) Phenanthrene	17.90	178	446748	32.23	ng/ul	98
71) Anthracene	17.99	178	158676	11.26	ng/ul	98
72) Carbazole	18.25	167	39500	3.26	ng/ul	96
74) Fluoranthene	19.89	202	1313728	84.24	ng/ul#	88
77) Pyrene	20.25	202	996545	58.30	ng/ul#	84
80) Benzo(a)anthracene	22.21	228	427977	26.58	ng/ul	98
82) Chrysene	22.28	228	441084	30.33	ng/ul	98
85) Benzo(b)fluoranthene	24.72	252	543831	33.66	ng/ul#	97
86) Benzo(k)fluoranthene	24.72	252	543831	35.02	ng/ul#	96
88) Benzo(a)pyrene	25.71	252	247477	15.95	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	30.08	276	131311	7.42	ng/ul#	93
90) Dibenzo(a,h)anthracene	30.12	278	22946	1.51	ng/ul#	92
91) Benzo(g,h,i)perylene	31.40	276	41336	2.85	ng/ul#	89

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

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Operator : SJ/MA

Sample : I3599-10DL 30X

Misc :

ALS Vial : 21 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

F5B24DL

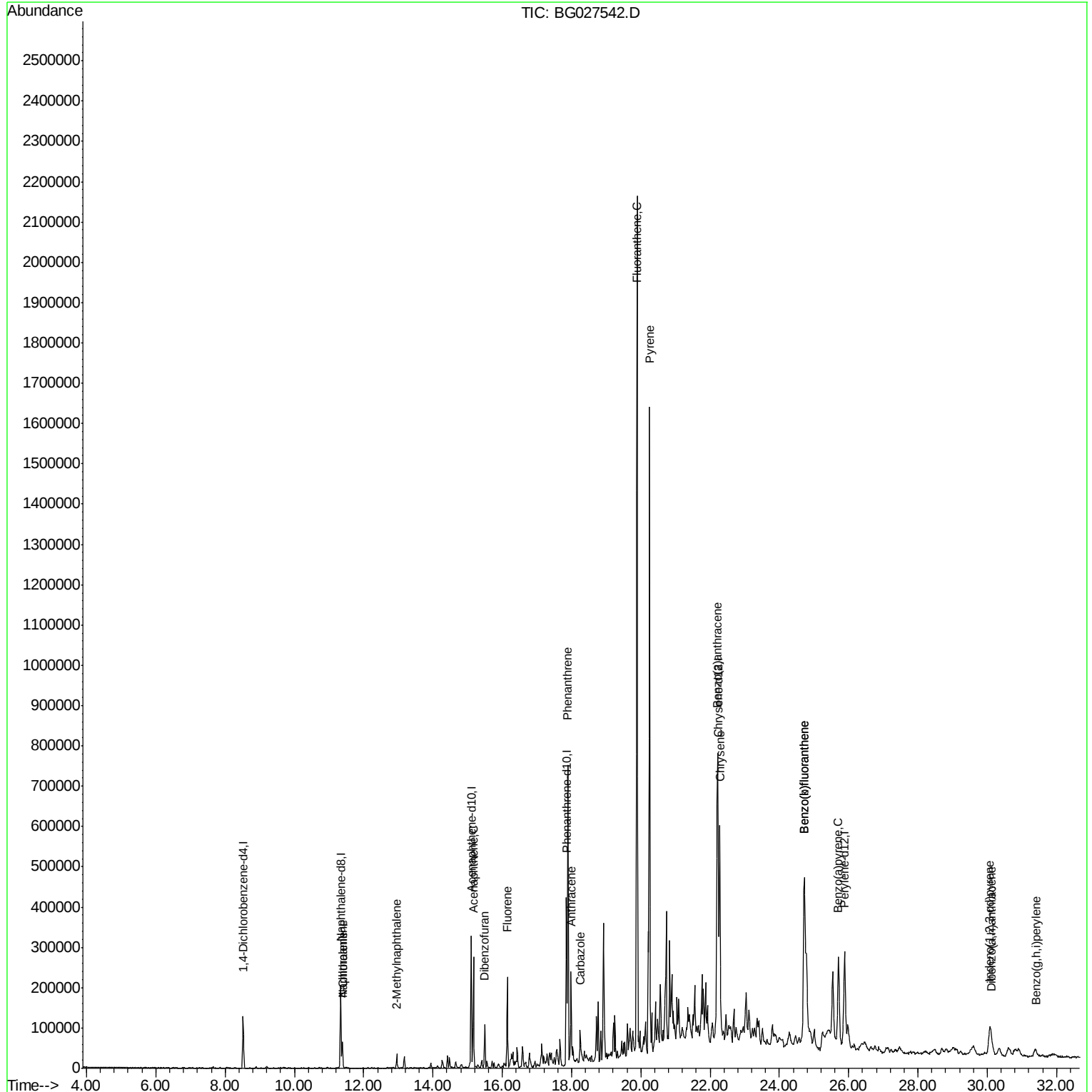
Quant Time: Jun 20 01:52:59 2017

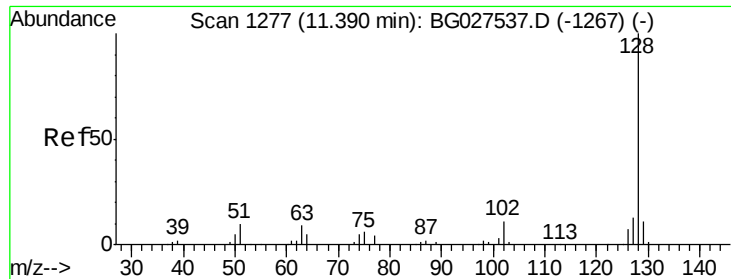
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jun 20 01:50:01 2017

Response via : Initial Calibration

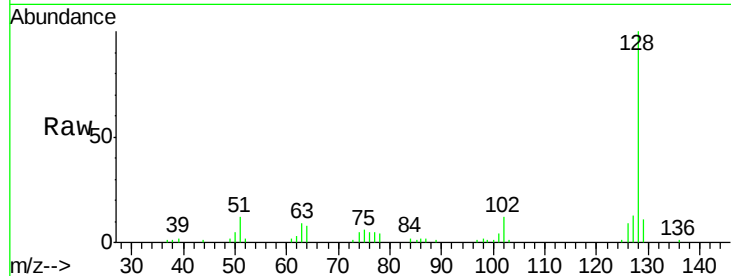




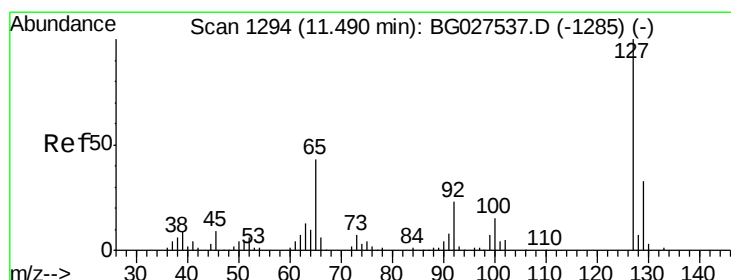
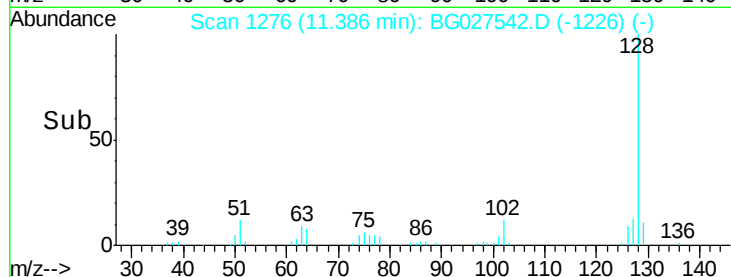
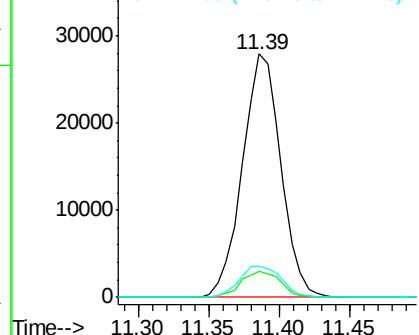
#28
Naphthalene
Concen: 5.96 ng/ul
RT: 11.39 min Scan# 1276
Delta R.T. -0.00 min
Lab File: BG027542.D
Acq: 19 Jun 2017 23:36

Instrument :
BNA_G
ClientSampleId :
F5B24DL

Tgt Ion:128 Resp: 53312
Ion Ratio Lower Upper
128 100
129 10.8 9.4 14.2
127 12.7 10.3 15.5

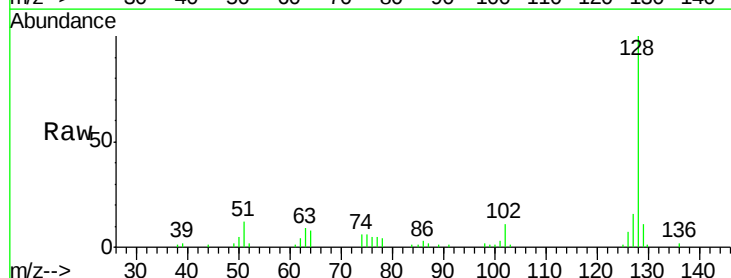


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

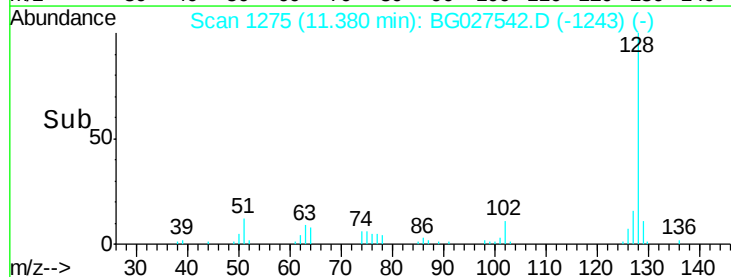
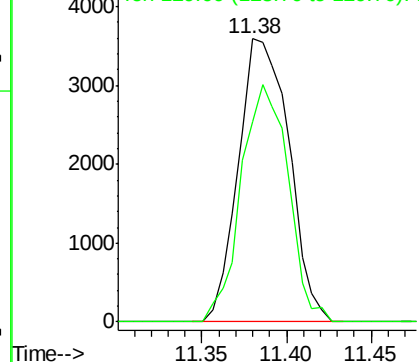


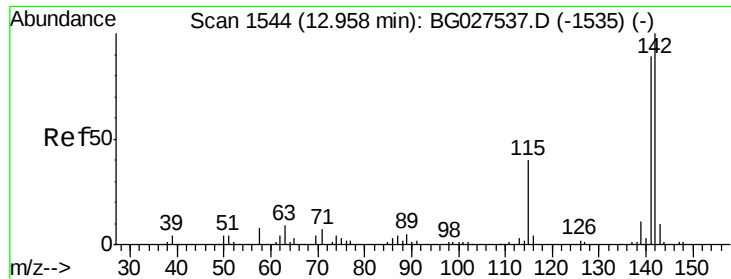
#30
4-Chloroaniline
Concen: 2.36 ng/ul
RT: 11.38 min Scan# 1275
Delta R.T. -0.11 min
Lab File: BG027542.D
Acq: 19 Jun 2017 23:36

Tgt Ion:127 Resp: 7476
Ion Ratio Lower Upper
127 100
129 70.7 28.9 43.3#



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

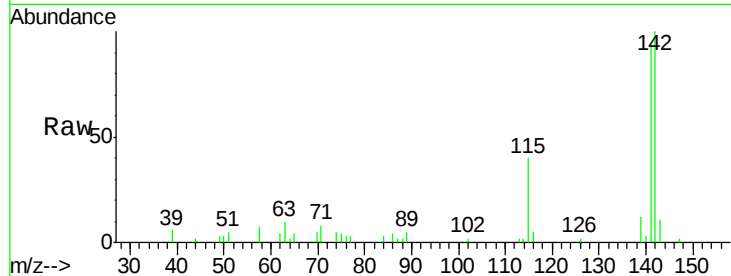




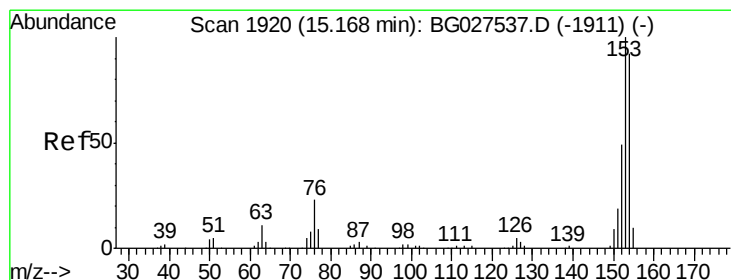
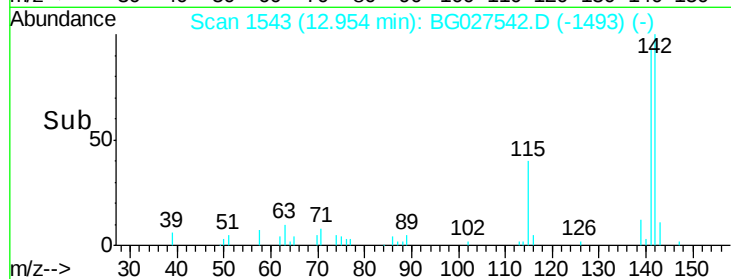
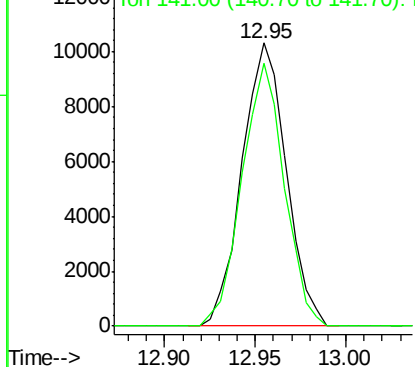
#34
 2-Methylnaphthalene
 Concen: 2.64 ng/ul
 RT: 12.95 min Scan# 1543
 Delta R.T. -0.00 min
 Lab File: BG027542.D
 Acq: 19 Jun 2017 23:36

Instrument :
 BNA_G
 ClientSampleId :
 F5B24DL

Tgt Ion:142 Resp: 17514
 Ion Ratio Lower Upper
 142 100
 141 92.8 68.6 102.8

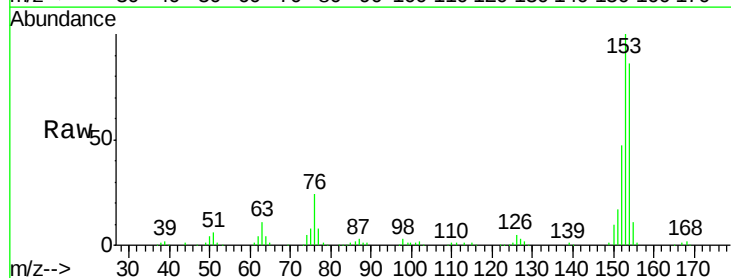


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

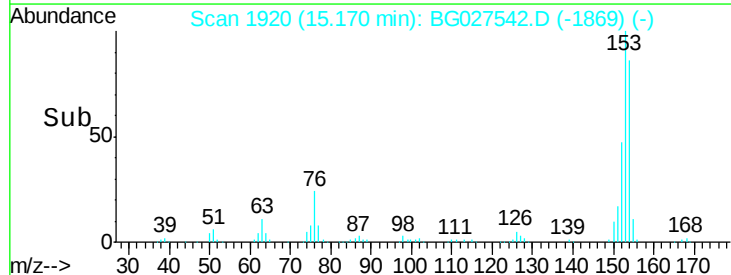
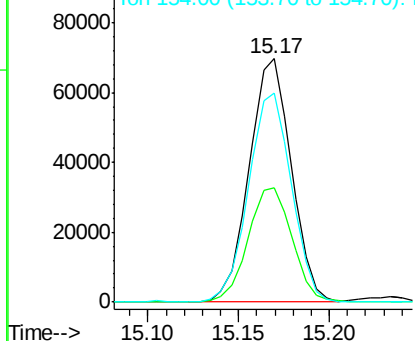


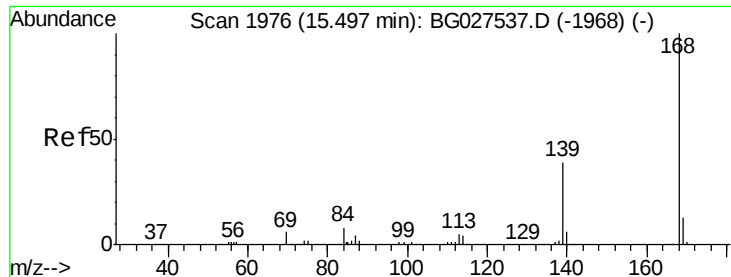
#49
 Acenaphthene
 Concen: 14.70 ng/ul
 RT: 15.17 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: BG027542.D
 Acq: 19 Jun 2017 23:36

Tgt Ion:153 Resp: 112929
 Ion Ratio Lower Upper
 153 100
 152 47.1 36.5 54.7
 154 86.0 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: 5.75 ng/ul

RT: 15.50 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BG027542.D

Acq: 19 Jun 2017 23:36

Instrument :

BNA_G

ClientSampleId :

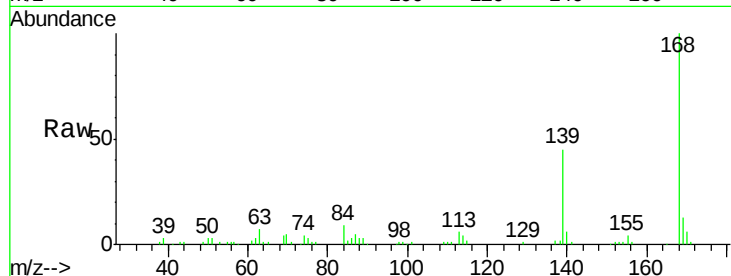
F5B24DL

Tgt Ion:168 Resp: 64382

Ion Ratio Lower Upper

168 100

139 44.7 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15.50

40000

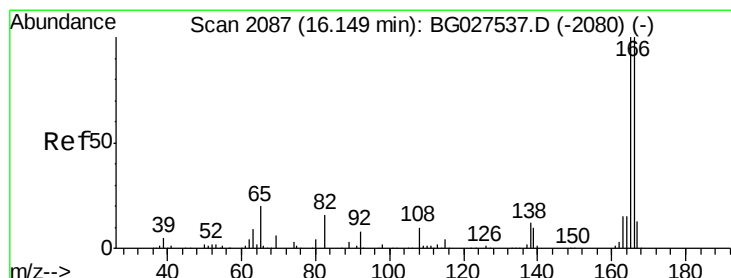
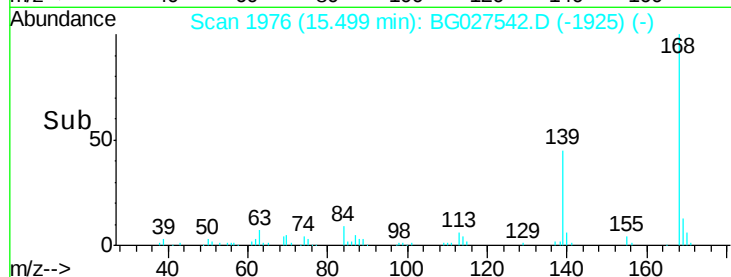
30000

20000

10000

0

Time--> 15.40 15.45 15.50 15.55



#58

Fluorene

Concen: 11.14 ng/ul

RT: 16.14 min Scan# 2086

Delta R.T. -0.00 min

Lab File: BG027542.D

Acq: 19 Jun 2017 23:36

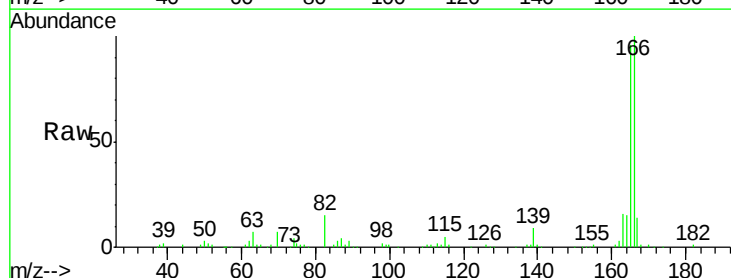
Tgt Ion:166 Resp: 103520

Ion Ratio Lower Upper

166 100

165 96.1 79.7 119.5

167 14.3 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

16.14

80000

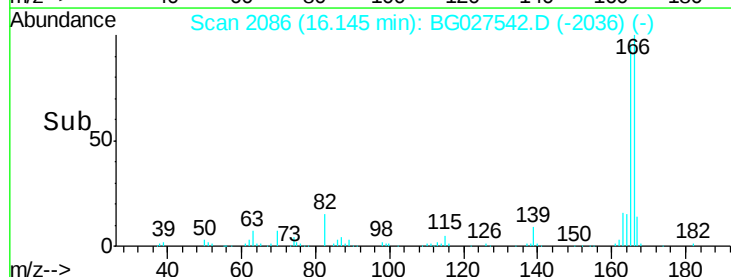
60000

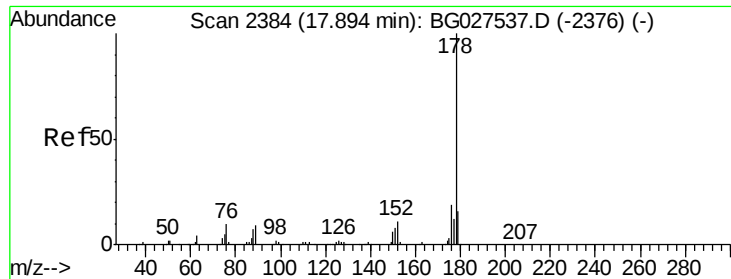
40000

20000

0

Time--> 16.05 16.10 16.15 16.20





#69

Phenanthrene

Concen: 32.23 ng/ul

RT: 17.90 min Scan# 2384

Delta R.T. 0.00 min

Lab File: BG027542.D

Acq: 19 Jun 2017 23:36

Instrument :

BNA_G

ClientSampleId :

F5B24DL

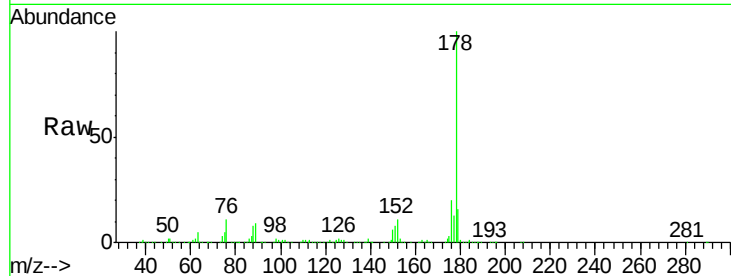
Tgt Ion:178 Resp: 446748

Ion Ratio Lower Upper

178 100

179 16.4 12.4 18.6

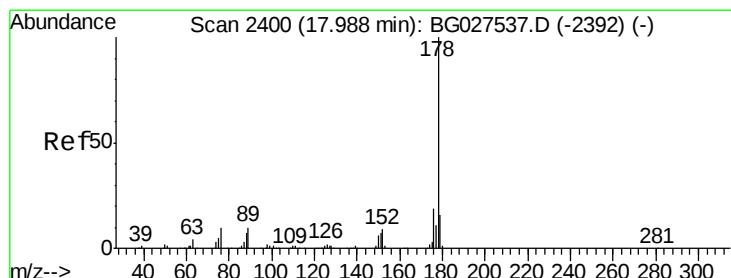
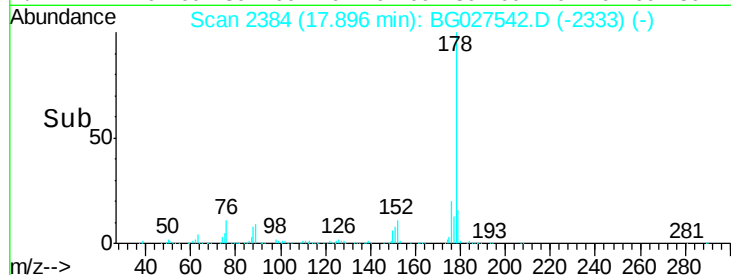
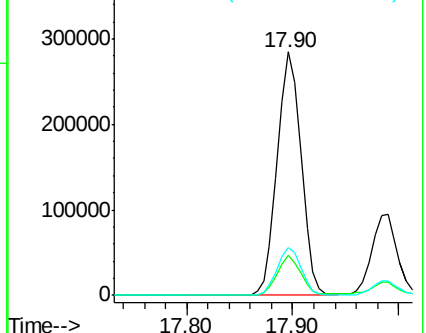
176 19.8 16.5 24.7



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: 11.26 ng/ul

RT: 17.99 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BG027542.D

Acq: 19 Jun 2017 23:36

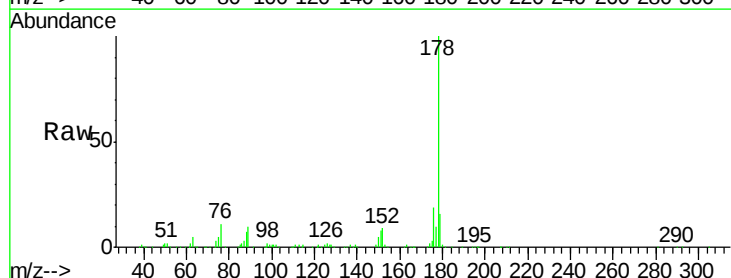
Tgt Ion:178 Resp: 158676

Ion Ratio Lower Upper

178 100

179 16.3 12.6 19.0

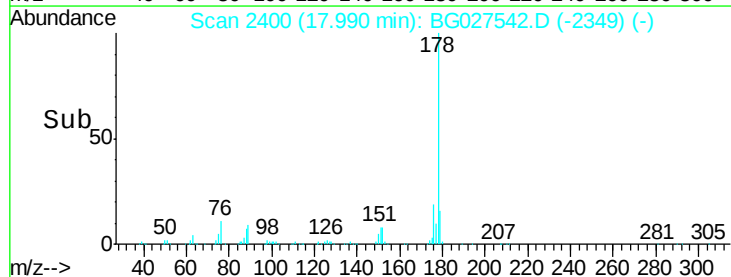
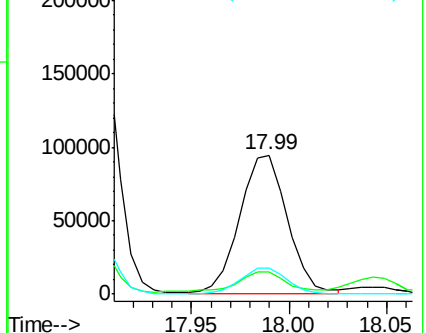
176 18.6 15.9 23.9

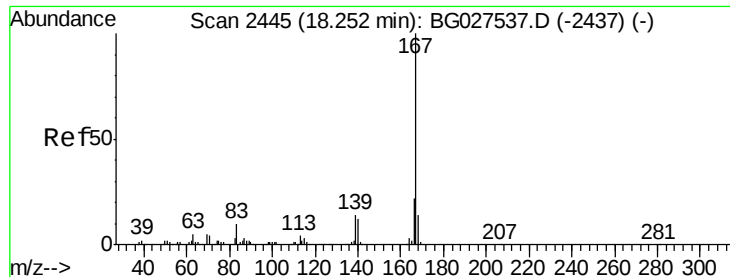


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 3.26 ng/ul

RT: 18.25 min Scan# 2445

Delta R.T. 0.00 min

Lab File: BG027542.D

Acq: 19 Jun 2017 23:36

Instrument :

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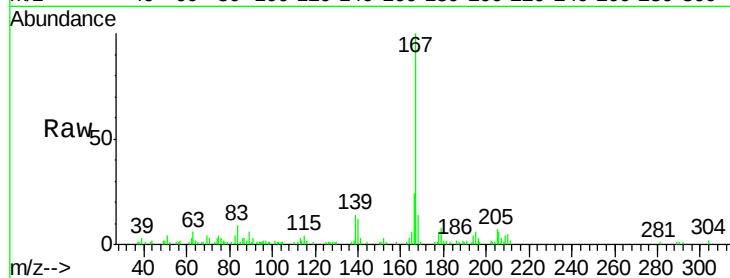
Tgt Ion:167 Resp: 39500

Ion Ratio Lower Upper

167 100

166 24.2 17.9 26.9

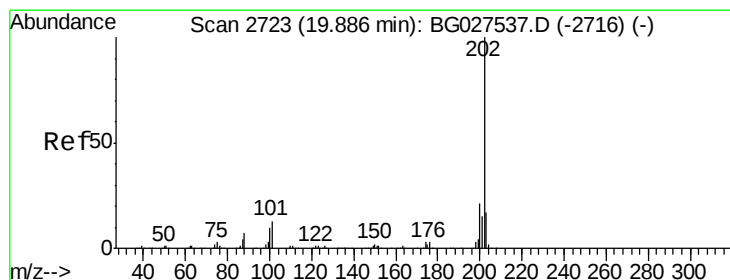
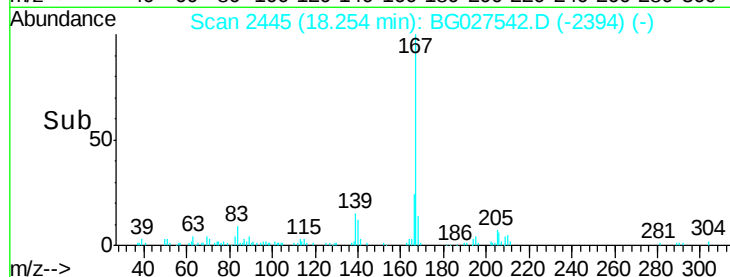
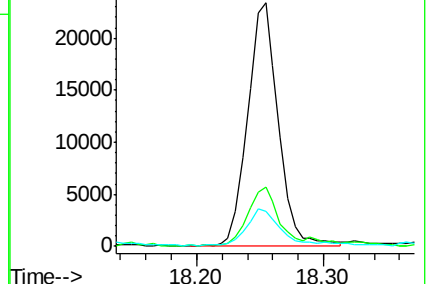
139 14.5 10.5 15.7



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: 84.24 ng/ul

RT: 19.89 min Scan# 2724

Delta R.T. 0.01 min

Lab File: BG027542.D

Acq: 19 Jun 2017 23:36

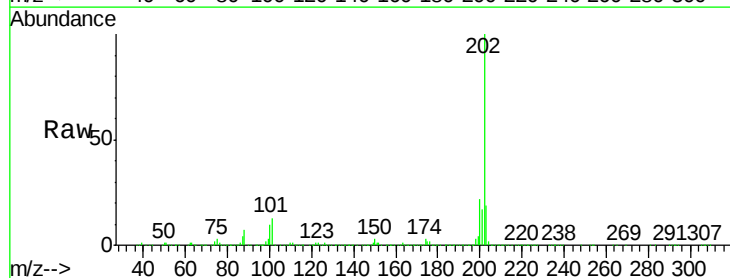
Tgt Ion:202 Resp: 1313728

Ion Ratio Lower Upper

202 100

101 12.5 6.2 9.2#

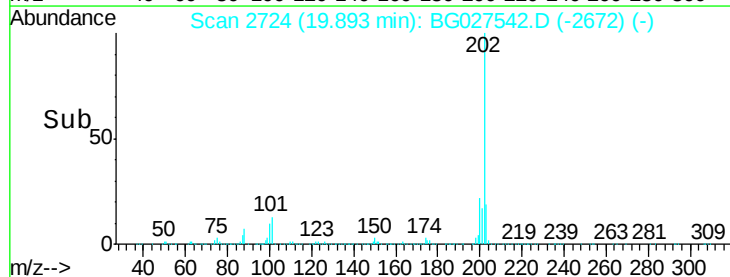
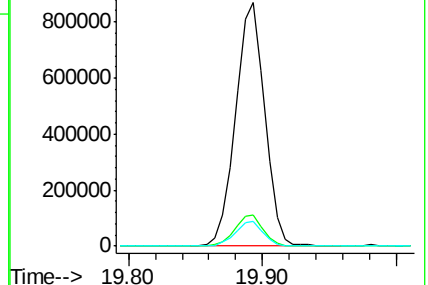
100 10.0 5.2 7.8#

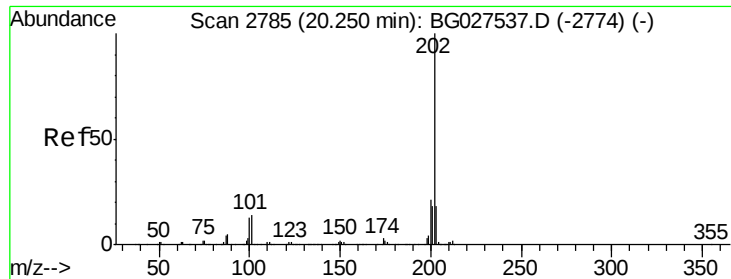


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pyrene

Concen: 58.30 ng/ul

RT: 20.25 min Scan# 2785

Delta R.T. 0.00 min

Lab File: BG027542.D

Acq: 19 Jun 2017 23:36

Instrument :

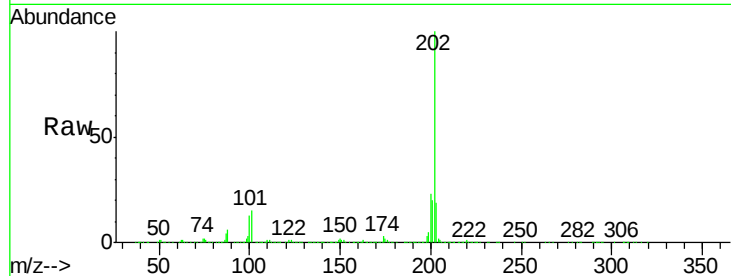
BNA_G

ClientSampleId :

F5B24DL

Tgt Ion:202 Resp: 996545

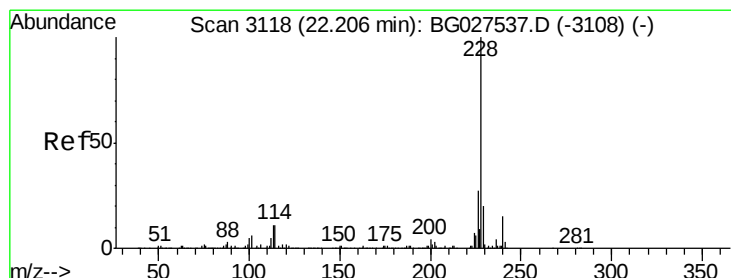
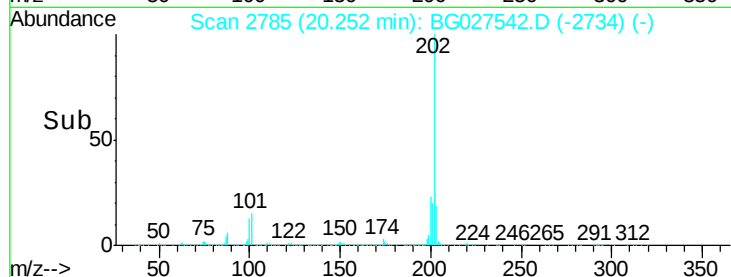
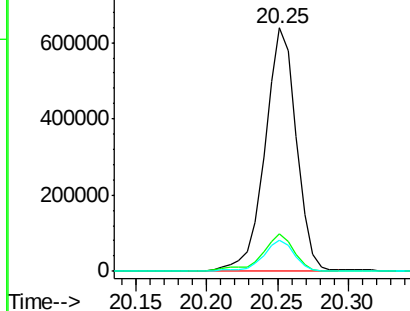
Ion	Ratio	Lower	Upper
202	100		
101	15.4	6.9	10.3#
100	12.9	6.6	10.0#



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: 26.58 ng/ul

RT: 22.21 min Scan# 3118

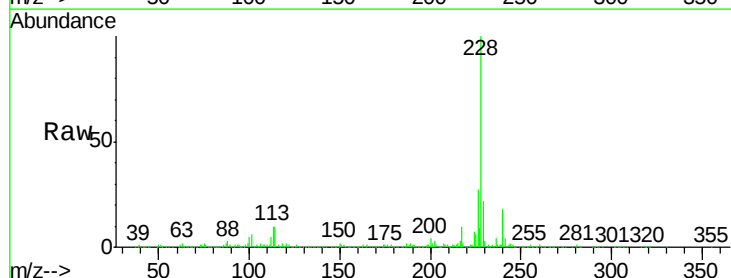
Delta R.T. 0.00 min

Lab File: BG027542.D

Acq: 19 Jun 2017 23:36

Tgt Ion:228 Resp: 427977

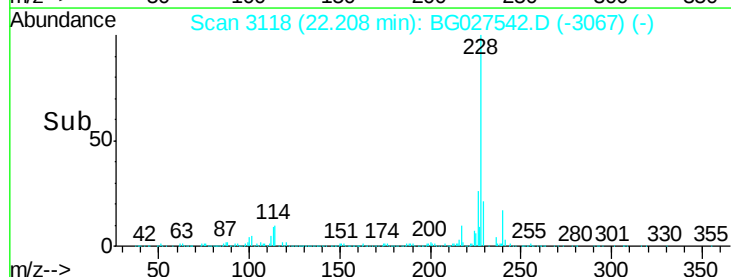
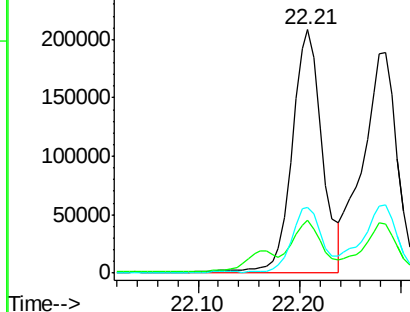
Ion	Ratio	Lower	Upper
228	100		
229	21.7	16.3	24.5
226	26.8	21.9	32.9

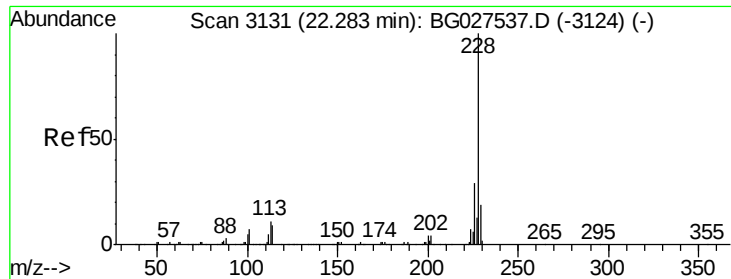


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

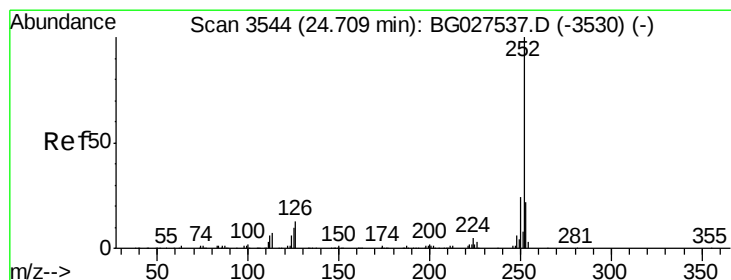
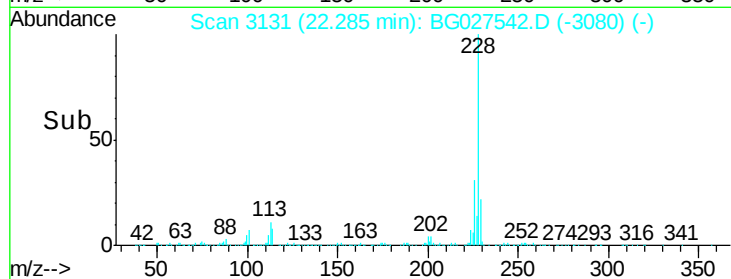
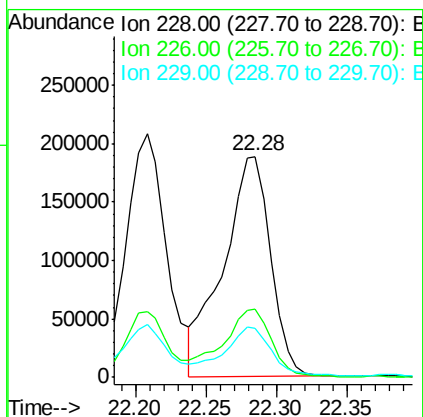
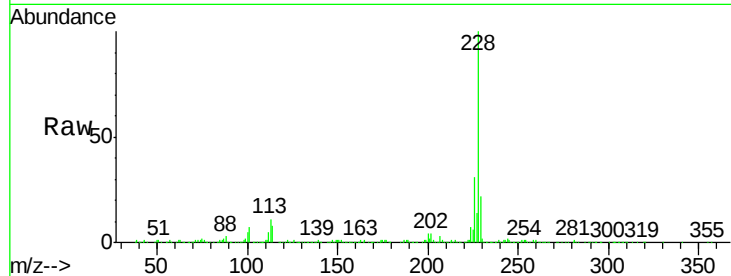




#82
Chrysene
Concen: 30.33 ng/ul
RT: 22.28 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BG027542.D
Acq: 19 Jun 2017 23:36

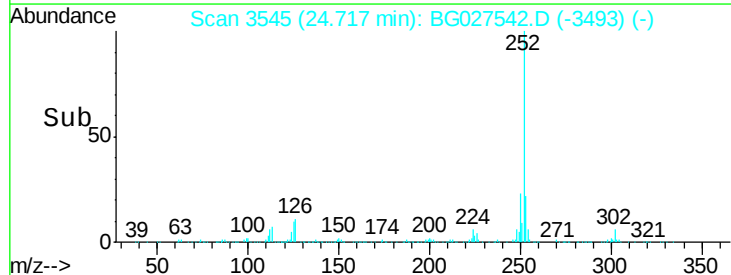
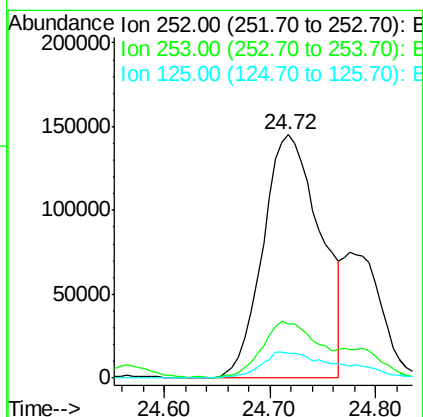
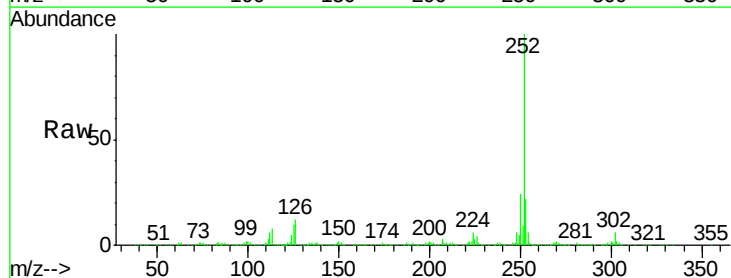
Instrument :
BNA_G
ClientSampleId :
F5B24DL

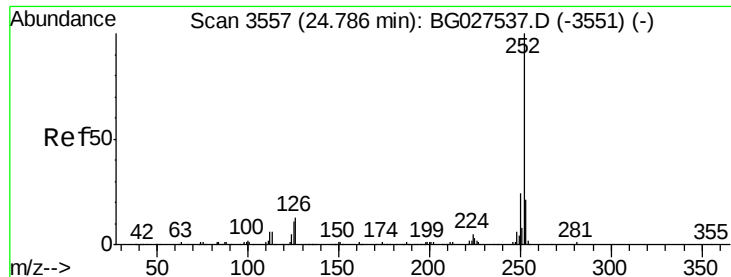
Tgt Ion:228 Resp: 441084
Ion Ratio Lower Upper
228 100
226 30.7 24.0 36.0
229 22.0 16.9 25.3



#85
Benzo(b)fluoranthene
Concen: 33.66 ng/ul
RT: 24.72 min Scan# 3545
Delta R.T. 0.01 min
Lab File: BG027542.D
Acq: 19 Jun 2017 23:36

Tgt Ion:252 Resp: 543831
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 10.4 4.0 6.0#

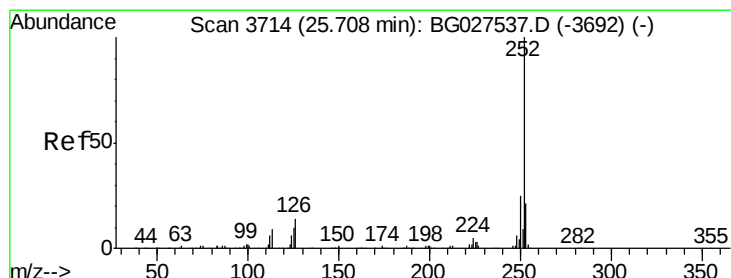
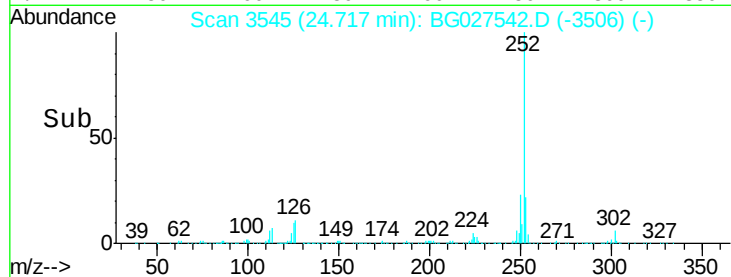
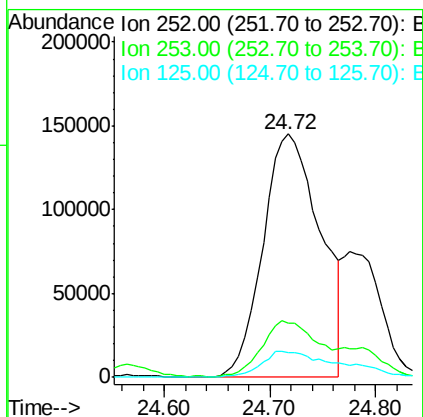
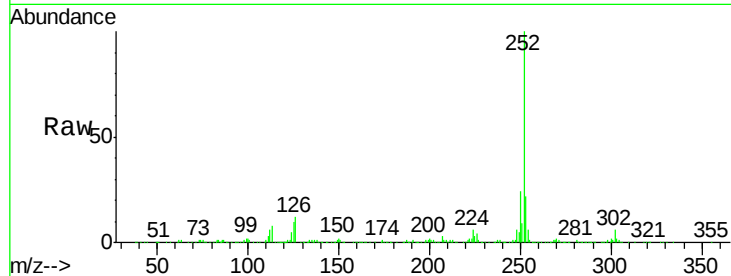




#86
Benzo(k)fluoranthene
Concen: 35.02 ng/u1
RT: 24.72 min Scan# 3545
Delta R.T. -0.07 min
Lab File: BG027542.D
Acq: 19 Jun 2017 23:36

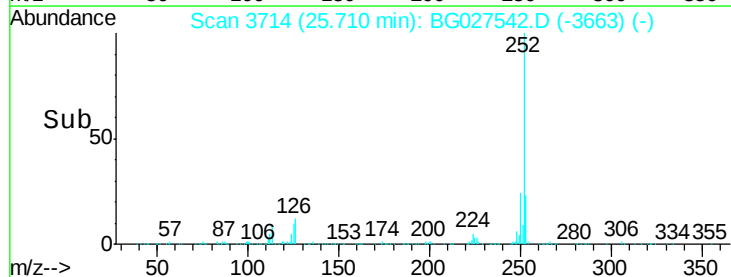
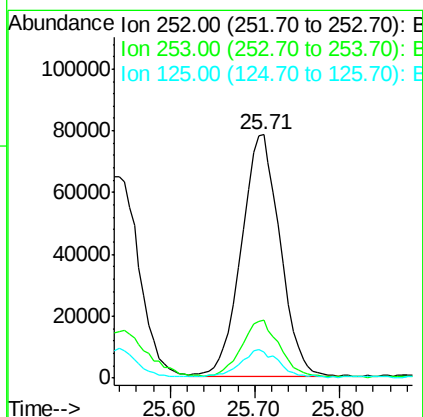
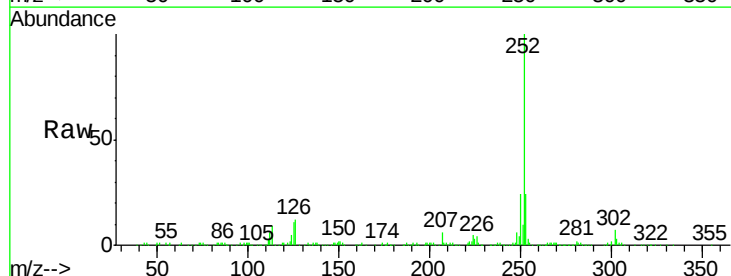
Instrument :
BNA_G
ClientSampleId :
F5B24DL

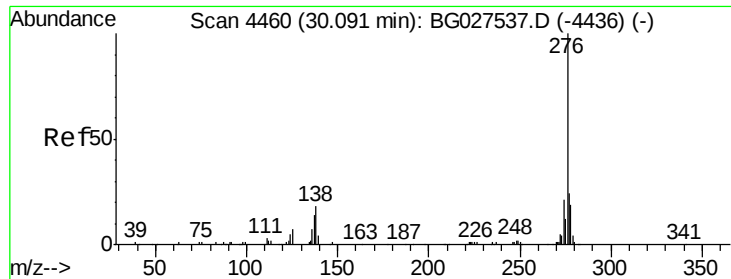
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.5	27.7
125	10.4	4.1	6.1#



#88
Benzo(a)pyrene
Concen: 15.95 ng/u1
RT: 25.71 min Scan# 3714
Delta R.T. 0.00 min
Lab File: BG027542.D
Acq: 19 Jun 2017 23:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	10.6	5.4	8.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 7.42 ng/ul

RT: 30.08 min Scan# 4457

Delta R.T. -0.02 min

Lab File: BG027542.D

Acq: 19 Jun 2017 23:36

Instrument :

BNA_G

ClientSampleId :

F5B24DL

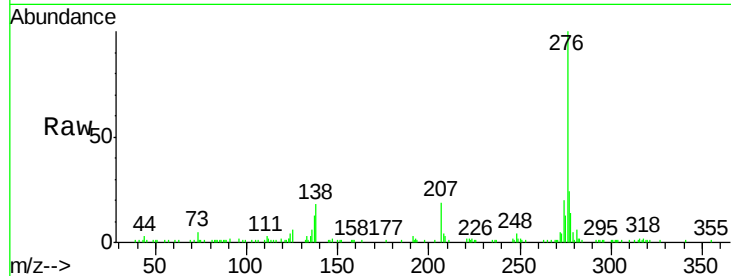
Tgt Ion:276 Resp: 131311

Ion Ratio Lower Upper

276 100

138 18.3 8.2 12.4#

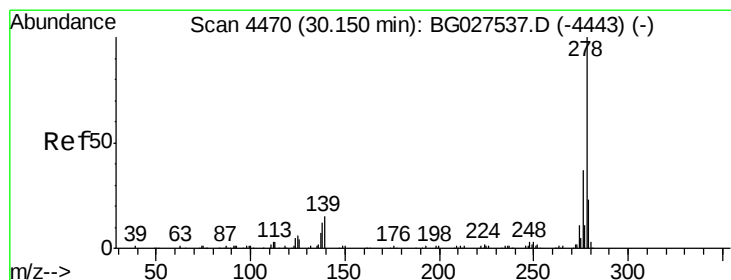
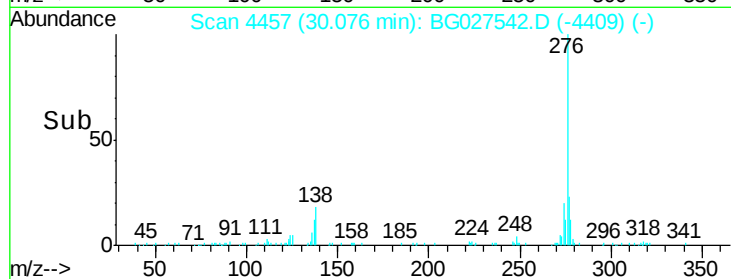
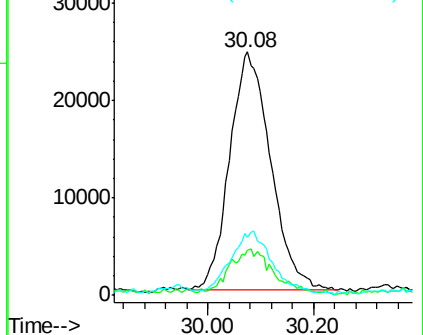
277 23.8 18.6 28.0



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: 1.51 ng/ul

RT: 30.12 min Scan# 4465

Delta R.T. -0.03 min

Lab File: BG027542.D

Acq: 19 Jun 2017 23:36

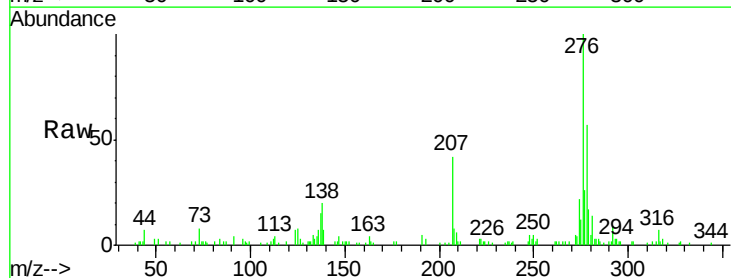
Tgt Ion:278 Resp: 22946

Ion Ratio Lower Upper

278 100

139 11.9 6.7 10.1#

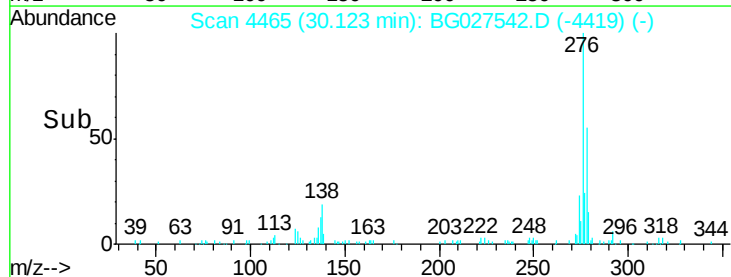
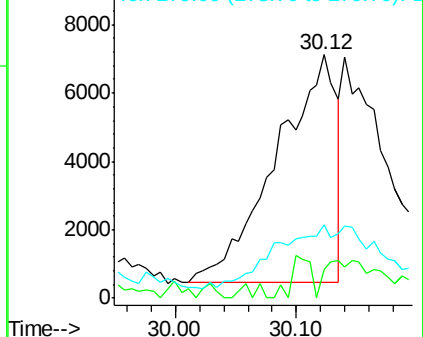
279 30.1 20.9 31.3

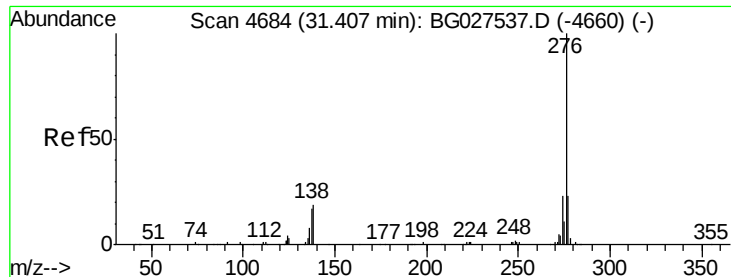


Abundance Ion 278.00 (277.70 to 278.70): E

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: 2.85 ng/ul

RT: 31.40 min Scan# 4682

Delta R.T. -0.01 min

Lab File: BG027542.D

Acq: 19 Jun 2017 23:36

Instrument :

BNA_G

ClientSampleId :

F5B24DL

Tgt Ion: 276 Resp: 41336

Ion Ratio Lower Upper

276 100

138 16.9 8.6 12.8#

277 25.8 17.6 26.4

