

Data File : BG027544.D
Acq On : 20 Jun 2017 00:56
Operator : SJ/MA
Sample : I3625-13 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5C80

Quant Time: Jun 20 01:53:42 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	37992	20.00	ng/ul	0.00
18) Naphthalene-d8	11.35	136	184616	20.00	ng/ul	0.01
35) Acenaphthene-d10	15.10	164	116581	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.87	188	248854	20.00	ng/ul	0.01
75) Chrysene-d12	22.24	240	299774	20.00	ng/ul	0.00
83) Perylene-d12	25.89	264	261796	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	3121	0.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	2321	0.83	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	2225	0.82	ng/ul	0.00
13) 4-Methylphenol-d8	9.20	113	2309	0.72	ng/ul	0.00
19) Nitrobenzene-d5	9.70	128	2065	1.54	ng/ul	0.02
22) 2-Nitrophenol-d4	10.41	143	1030	0.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.95	165	2328	0.86	ng/ul	0.00
29) 4-Chloroaniline-d4	11.47	131	13939	4.09	ng/ul	0.01
43) Dimethylphthalate-d6	14.49	166	10382	1.06	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	11045	0.98	ng/ul	0.00
51) 4-Nitrophenol-d4	15.30	143	2807	1.47	ng/ul	0.02
57) Fluorene-d10	16.09	176	11038	1.21	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.20	200	56	0.04	ng/ul	0.00
70) Anthracene-d10	17.87	188	248854	21.45	ng/ul	-0.09
76) Pyrene-d10	20.23	212	16442	1.12	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.63	264	12979	1.10	ng/ul	0.00

Target Compounds

						Qvalue
8) Bis(2-Chloroethyl)ether	7.96	93	8068	2.54	ng/ul#	15
17) Hexachloroethane	9.63	117	4191	3.99	ng/ul#	1
28) Naphthalene	11.42	128	7081525	746.41	ng/ul#	68
30) 4-Chloroaniline	11.42	127	1567288	466.11	ng/ul#	32
34) 2-Methylnaphthalene	12.97	142	2138021	303.89	ng/ul	94
40) 1,1'-Biphenyl	13.94	154	607741	65.90	ng/ul#	95
42) 2-Nitroaniline	14.13	65	3098	1.18	ng/ul#	31
47) Acenaphthylene	14.83	152	132072	11.72	ng/ul#	95
49) Acenaphthene	15.18	153	1864715	237.30	ng/ul	97
53) Dibenzofuran	15.51	168	2085743	182.12	ng/ul	94
54) 2,4-Dinitrotoluene	15.49	165	5078	1.84	ng/ul#	1
58) Fluorene	16.16	166	2115879	222.62	ng/ul	99
60) 4-Nitroaniline	16.16	138	28827	12.03	ng/ul#	1
64) N-Nitrosodiphenylamine	16.35	169	8459	1.18	ng/ul#	1
69) Phenanthrene	18.00	178	1434373	107.26	ng/ul	97
71) Anthracene	18.00	178	1434373	105.48	ng/ul	97
72) Carbazole	18.26	167	866005	74.05	ng/ul	96
74) Fluoranthene	19.90	202	4340357	288.46	ng/ul#	71
77) Pyrene	20.26	202	3423335	193.19	ng/ul#	76
80) Benzo(a)anthracene	22.21	228	1326987	79.49	ng/ul	98
82) Chrysene	22.29	228	981415	65.09	ng/ul	96
85) Benzo(b)fluoranthene	24.72	252	657648	42.18	ng/ul#	93
86) Benzo(k)fluoranthene	24.72	252	657648	43.88	ng/ul#	95

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061917\
Quantitation Report (Not Reviewed)

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(a)pyrene	25.71	252	399019	26.65	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	30.08	276	116085	6.79	ng/ul#	95
90) Dibenzo(a,h)anthracene	30.13	278	19655	1.34	ng/ul#	88
91) Benzo(g,h,i)perylene	31.40	276	69161	4.94	ng/ul#	91

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

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ClientSampleId :

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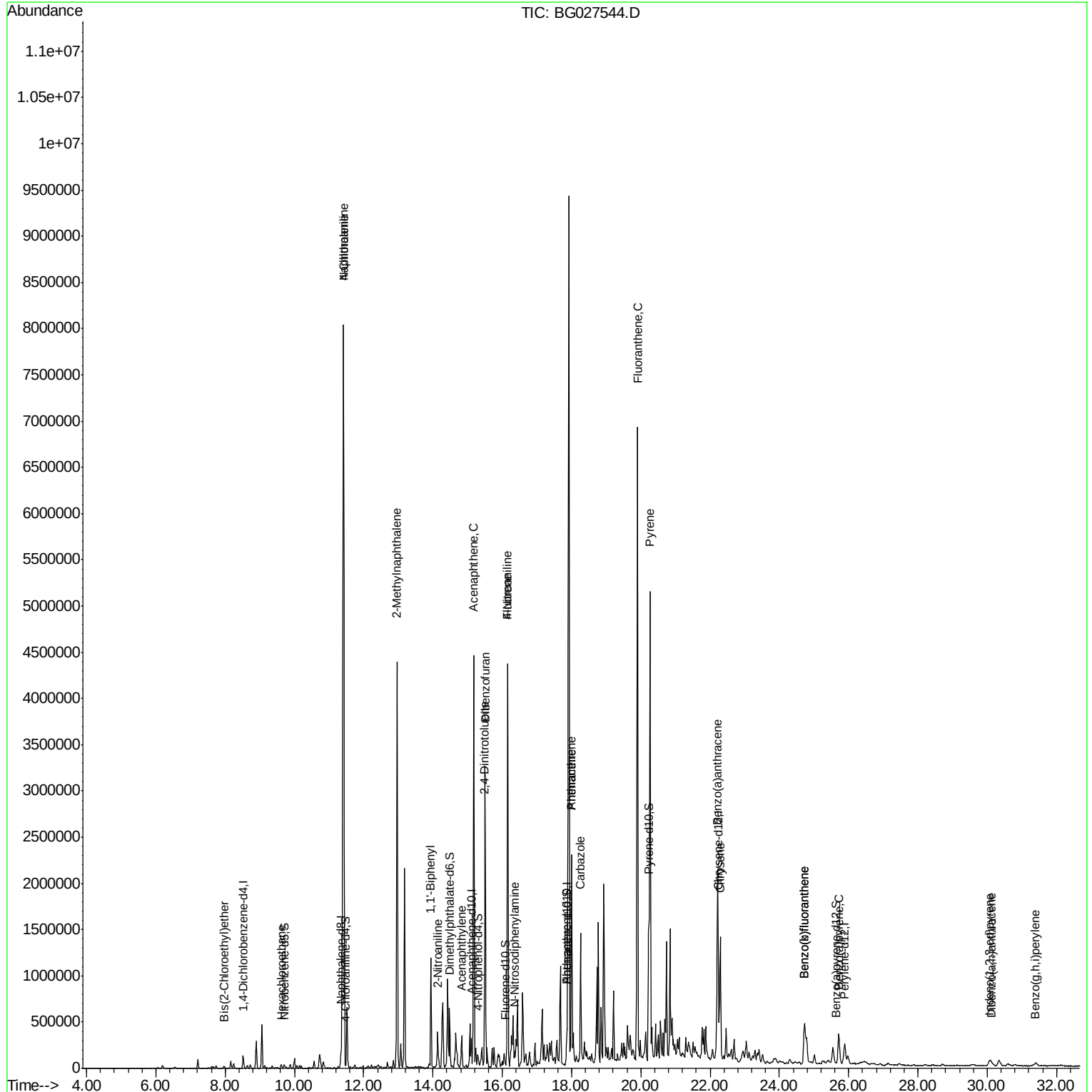
Quant Time: Jun 20 01:53:42 2017

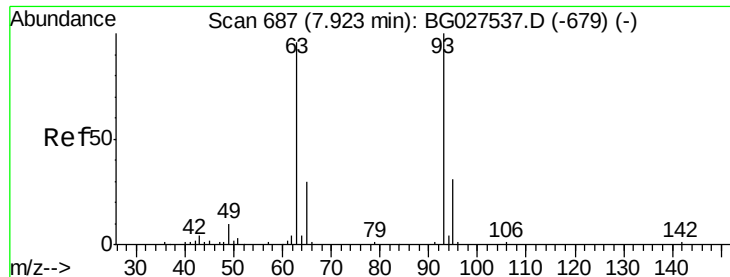
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M

Quant Title : SVOA CALIBRATION

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

Response via : Initial Calibration





#8

Bis(2-Chloroethyl)ether

Concen: 2.54 ng/ul

RT: 7.96 min Scan# 693

Delta R.T. 0.04 min

Lab File: BG027544.D

Acq: 20 Jun 2017 00:56

Instrument :

BNA_G

ClientSampleId :

F5C80

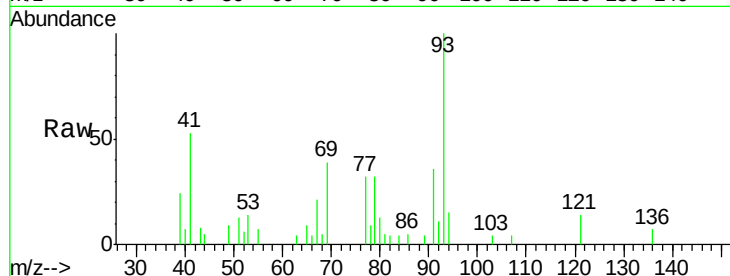
Tgt Ion: 93 Resp: 8068

Ion Ratio Lower Upper

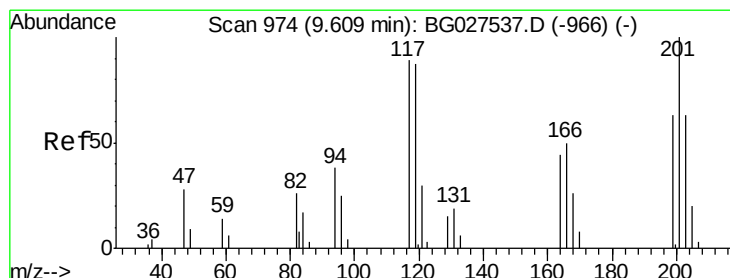
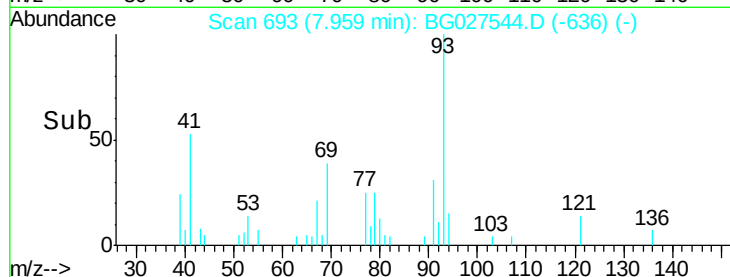
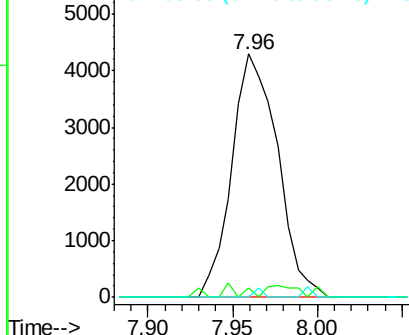
93 100

63 3.7 75.5 113.3#

95 0.0 29.2 43.8#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC



#17

Hexachloroethane

Concen: 3.99 ng/ul

RT: 9.63 min Scan# 977

Delta R.T. 0.02 min

Lab File: BG027544.D

Acq: 20 Jun 2017 00:56

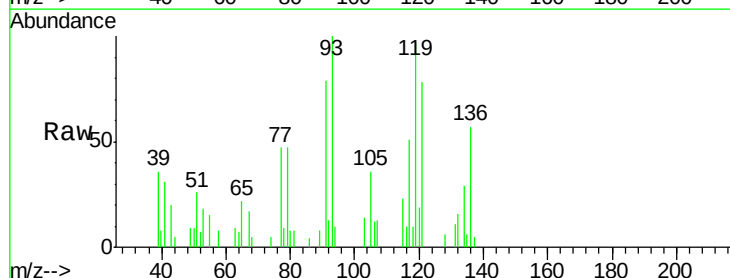
Tgt Ion: 117 Resp: 4191

Ion Ratio Lower Upper

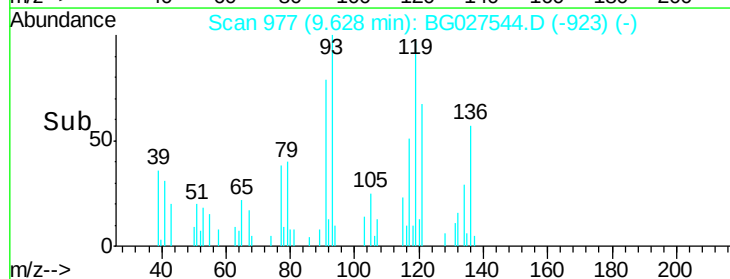
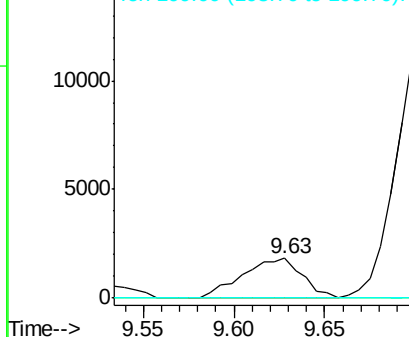
117 100

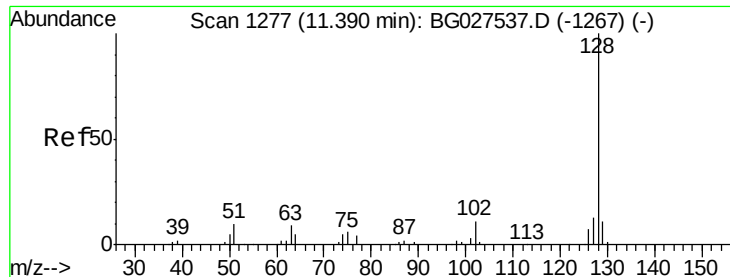
201 0.0 91.9 137.9#

199 0.0 64.3 96.5#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

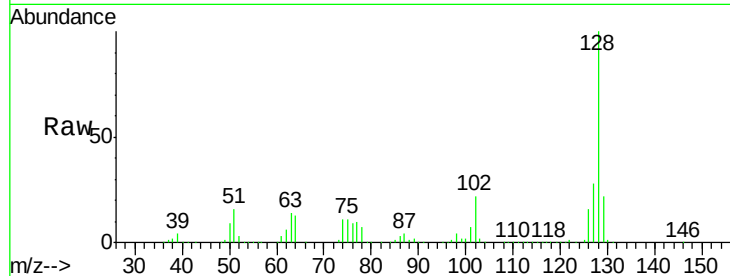




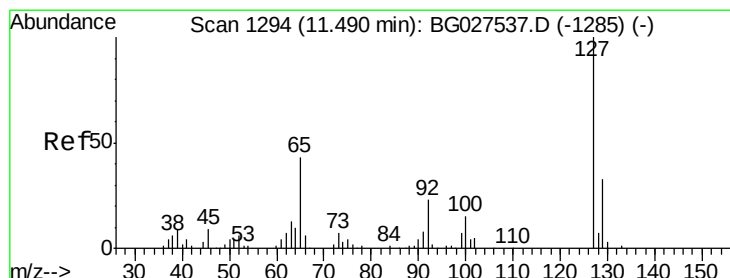
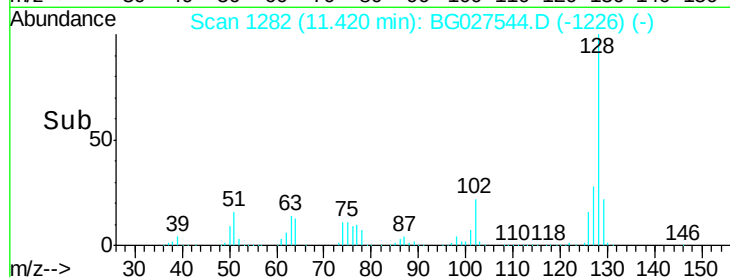
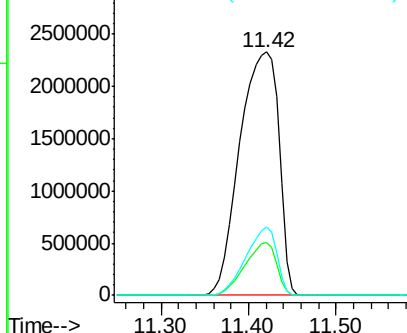
#28
Naphthalene
Concen: 746.41 ng/ul
RT: 11.42 min Scan# 1282
Delta R.T. 0.03 min
Lab File: BG027544.D
Acq: 20 Jun 2017 00:56

Instrument :
BNA_G
ClientSampleId :
F5C80

Tgt Ion:128 Resp: 7081525
Ion Ratio Lower Upper
128 100
129 21.6 9.4 14.2#
127 28.3 10.3 15.5#

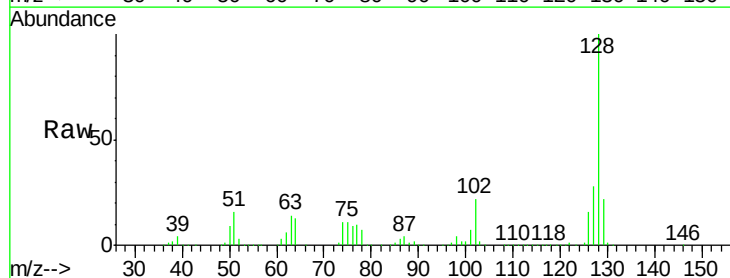


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

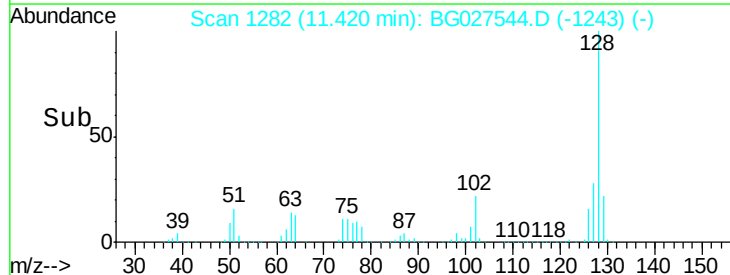
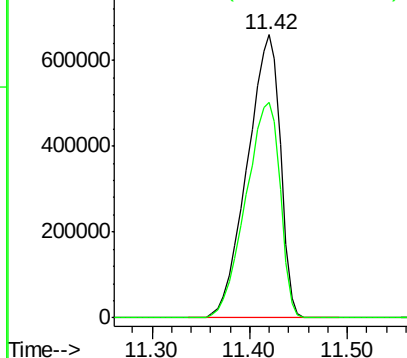


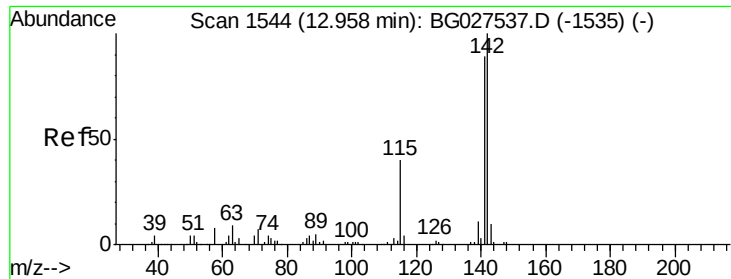
#30
4-Chloroaniline
Concen: 466.11 ng/ul
RT: 11.42 min Scan# 1282
Delta R.T. -0.07 min
Lab File: BG027544.D
Acq: 20 Jun 2017 00:56

Tgt Ion:127 Resp: 1567288
Ion Ratio Lower Upper
127 100
129 76.2 28.9 43.3#



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

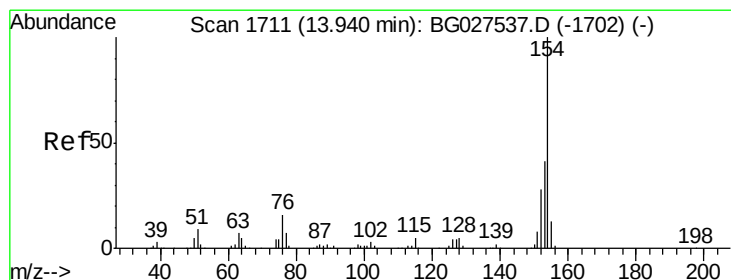
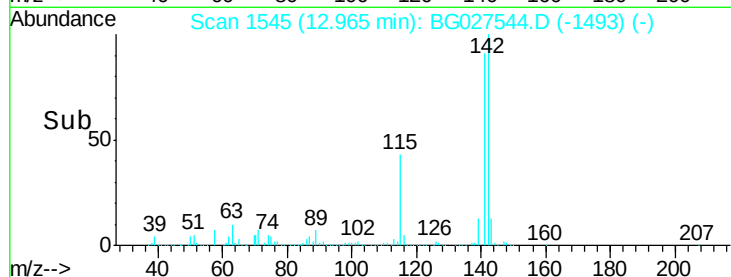
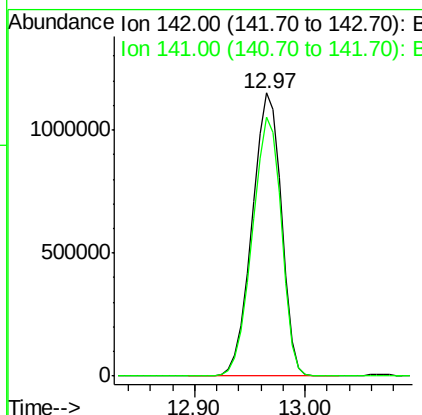
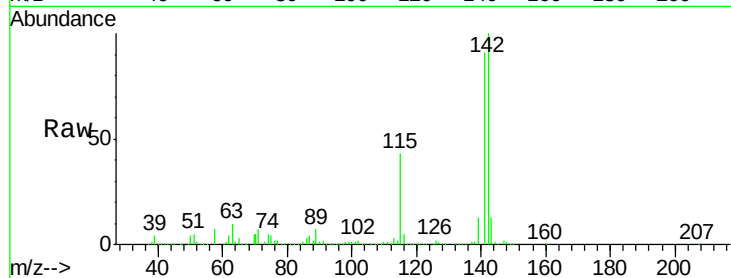




#34
 2-Methylnaphthalene
 Concen: 303.89 ng/ul
 RT: 12.97 min Scan# 1545
 Delta R.T. 0.01 min
 Lab File: BG027544.D
 Acq: 20 Jun 2017 00:56

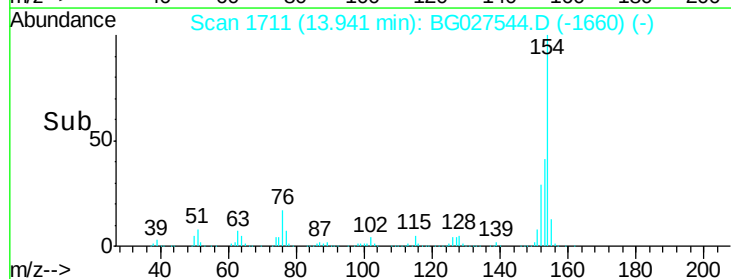
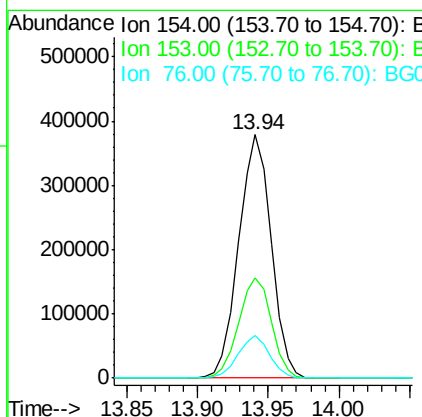
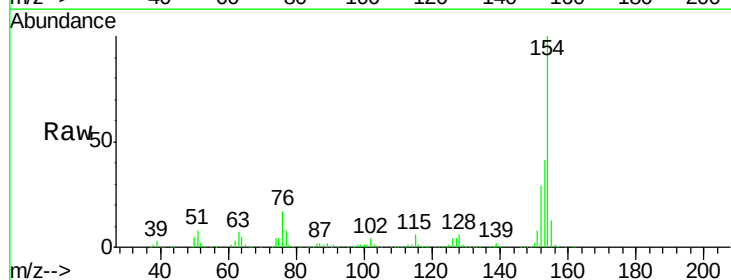
Instrument :
 BNA_G
 ClientSampleId :
 F5C80

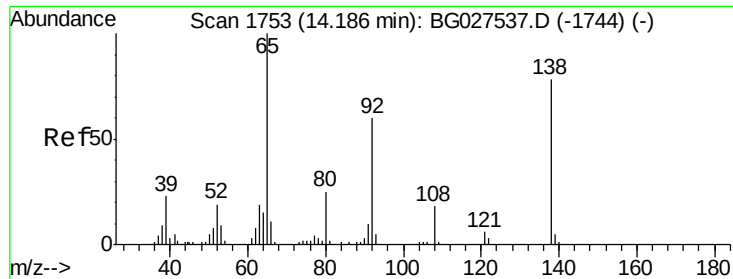
Tgt Ion:142 Resp: 2138021
 Ion Ratio Lower Upper
 142 100
 141 91.5 68.6 102.8



#40
 1,1'-Biphenyl
 Concen: 65.90 ng/ul
 RT: 13.94 min Scan# 1711
 Delta R.T. 0.00 min
 Lab File: BG027544.D
 Acq: 20 Jun 2017 00:56

Tgt Ion:154 Resp: 607741
 Ion Ratio Lower Upper
 154 100
 153 41.3 32.2 48.2
 76 17.5 9.6 14.4#

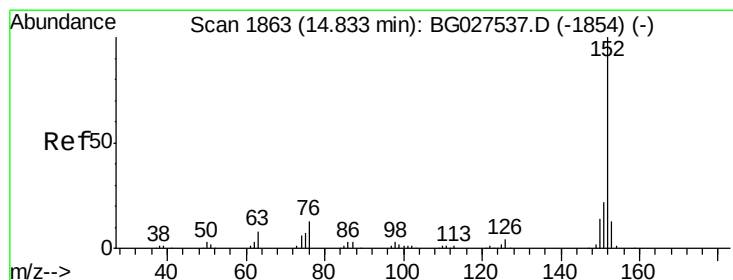
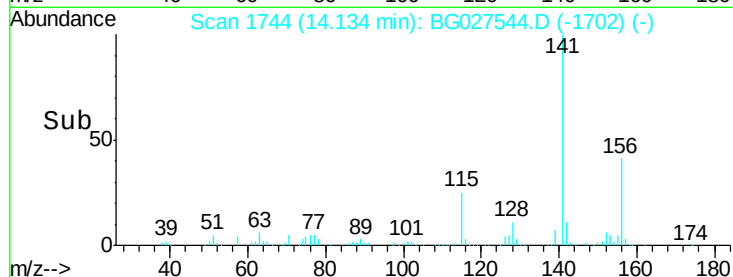
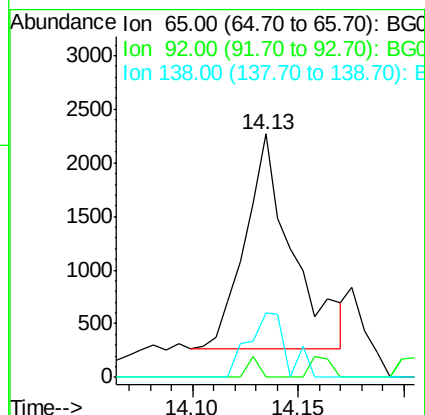
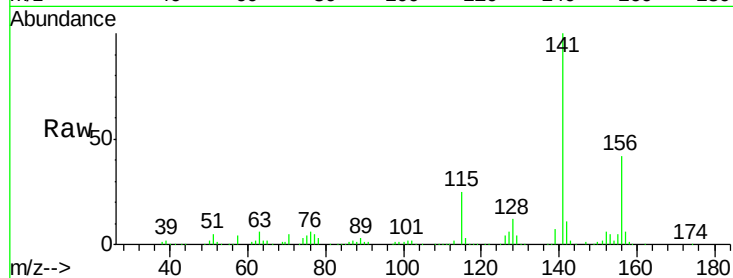




#42
2-Nitroaniline
Concen: 1.18 ng/ul
RT: 14.13 min Scan# 1744
Delta R.T. -0.05 min
Lab File: BG027544.D
Acq: 20 Jun 2017 00:56

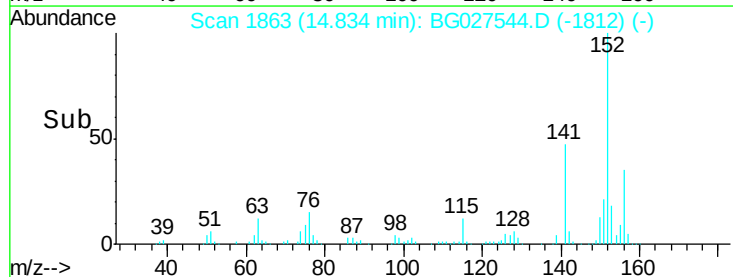
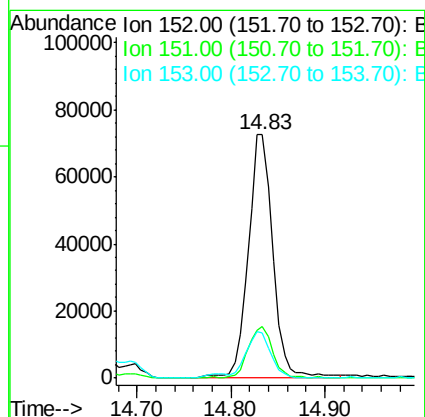
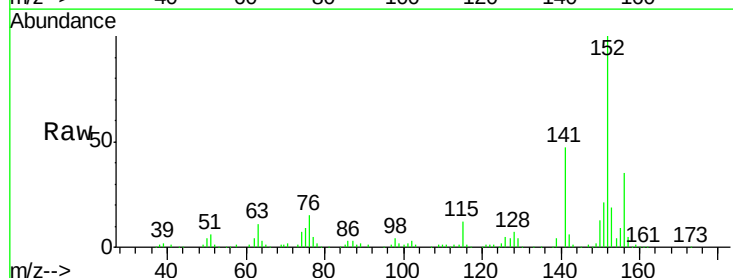
Instrument :
BNA_G
ClientSampleId :
F5C80

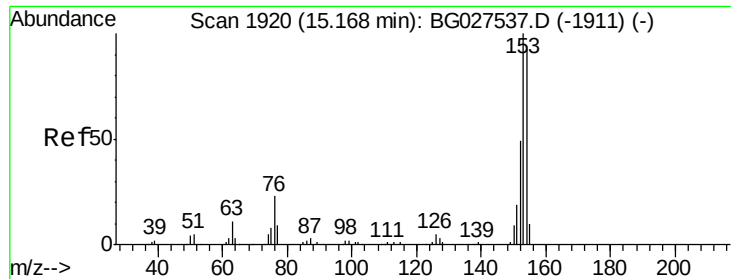
Tgt Ion: 65 Resp: 3098
Ion Ratio Lower Upper
65 100
92 0.0 50.9 76.3#
138 26.5 61.8 92.6#



#47
Acenaphthylene
Concen: 11.72 ng/ul
RT: 14.83 min Scan# 1863
Delta R.T. 0.00 min
Lab File: BG027544.D
Acq: 20 Jun 2017 00:56

Tgt Ion: 152 Resp: 132072
Ion Ratio Lower Upper
152 100
151 21.1 16.7 25.1
153 18.7 11.4 17.2#





#49

Acenaphthene

Concen: 237.30 ng/ul

RT: 15.18 min Scan# 1922

Delta R.T. 0.01 min

Lab File: BG027544.D

Acq: 20 Jun 2017 00:56

Instrument :

BNA_G

ClientSampleId :

F5C80

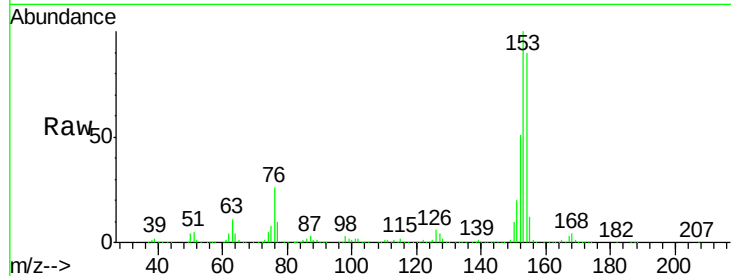
Tgt Ion:153 Resp: 1864715

Ion Ratio Lower Upper

153 100

152 50.9 36.5 54.7

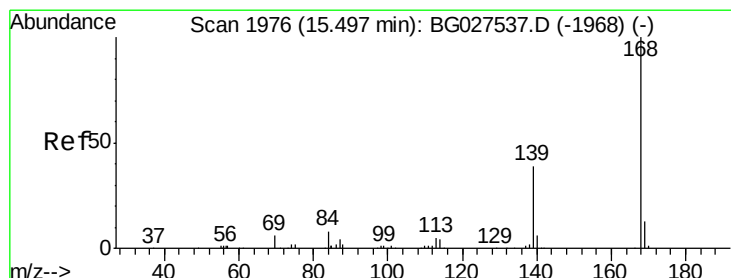
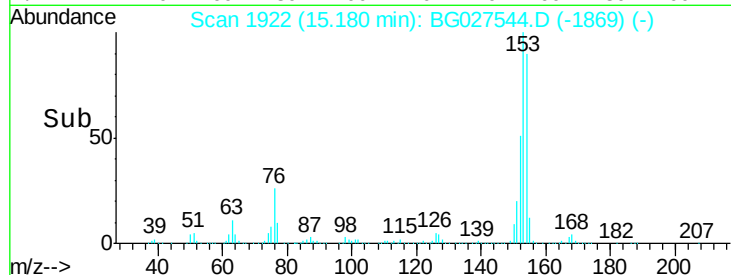
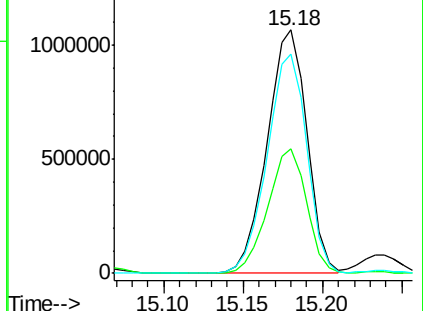
154 89.8 72.3 108.5



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: 182.12 ng/ul

RT: 15.51 min Scan# 1978

Delta R.T. 0.01 min

Lab File: BG027544.D

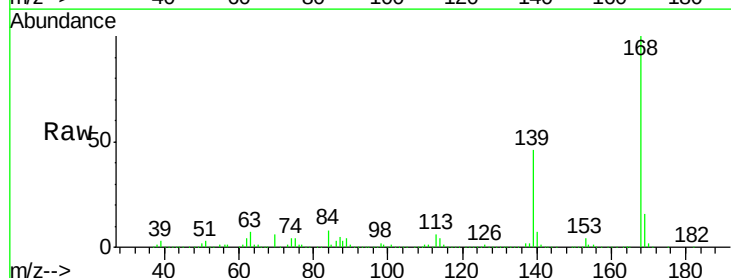
Acq: 20 Jun 2017 00:56

Tgt Ion:168 Resp: 2085743

Ion Ratio Lower Upper

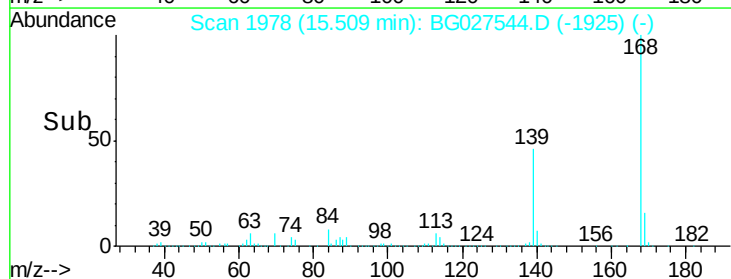
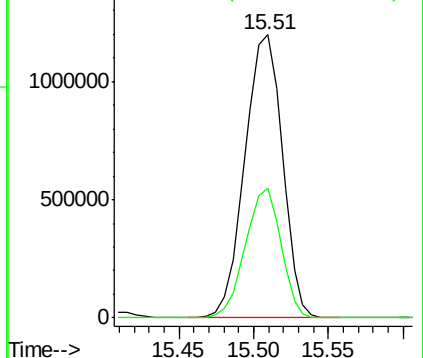
168 100

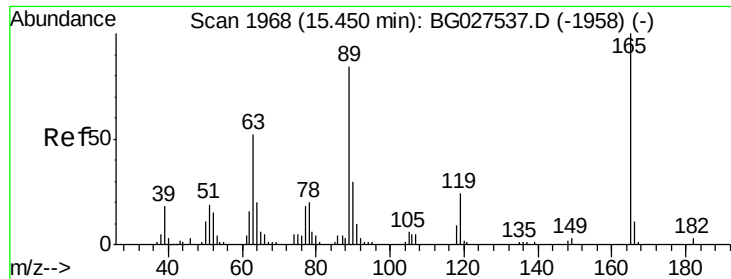
139 45.8 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#54

2,4-Dinitrotoluene

Concen: 1.84 ng/ul

RT: 15.49 min Scan# 1975

Delta R.T. 0.04 min

Lab File: BG027544.D

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ClientSampled :

F5C80

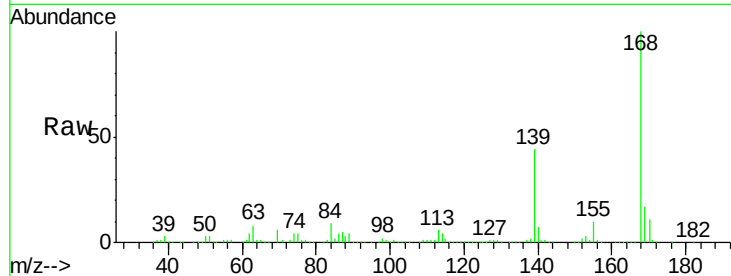
Tgt Ion:165 Resp: 5078

Ion Ratio Lower Upper

165 100

63 1600.9 46.8 70.2#

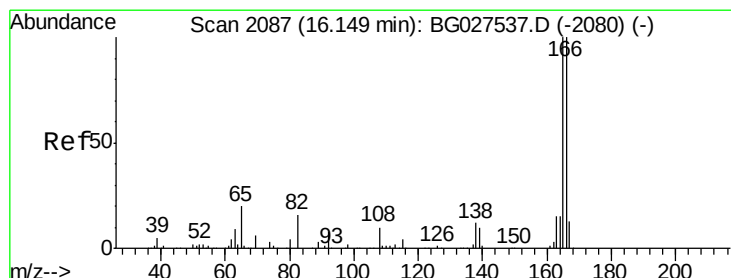
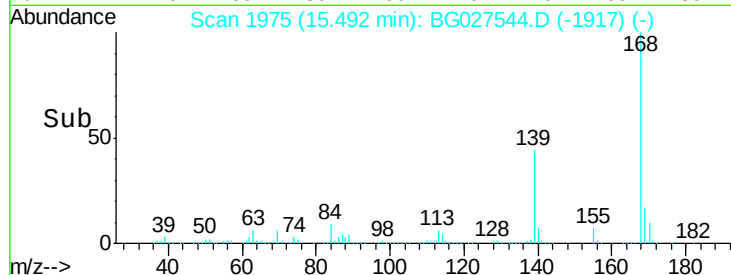
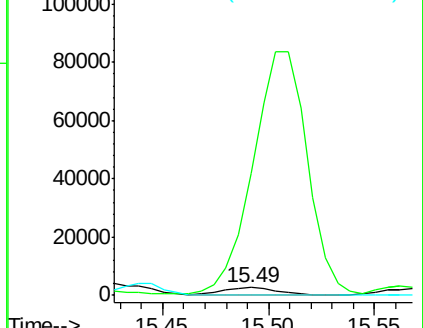
182 6.6 1.8 2.6#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 222.62 ng/ul

RT: 16.16 min Scan# 2089

Delta R.T. 0.01 min

Lab File: BG027544.D

Acq: 20 Jun 2017 00:56

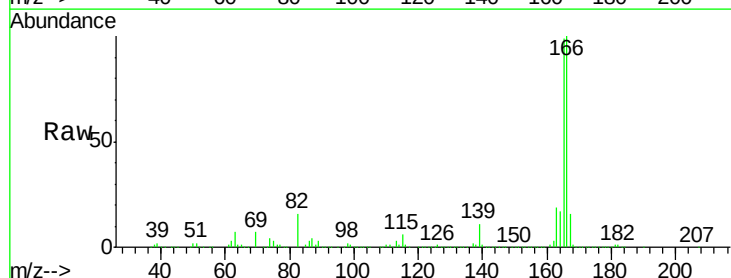
Tgt Ion:166 Resp: 2115879

Ion Ratio Lower Upper

166 100

165 99.0 79.7 119.5

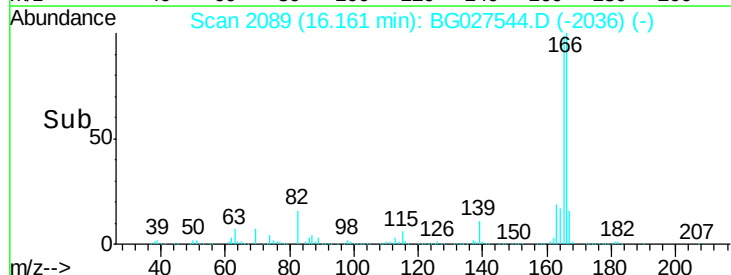
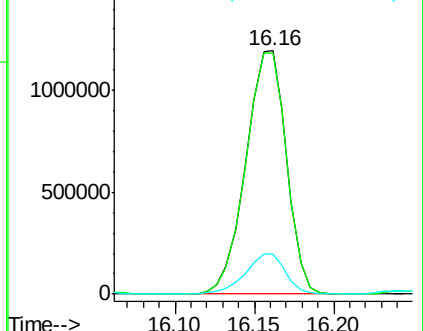
167 16.5 11.4 17.2

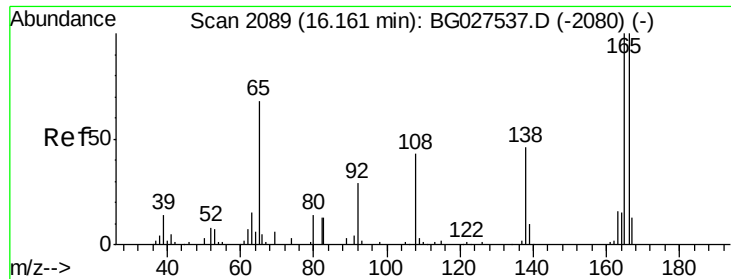


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

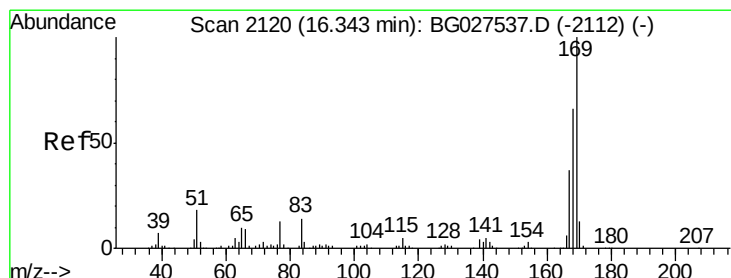
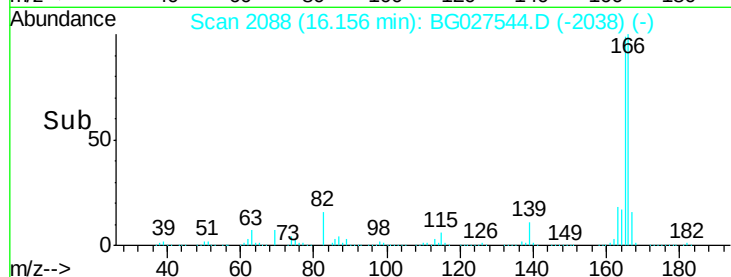
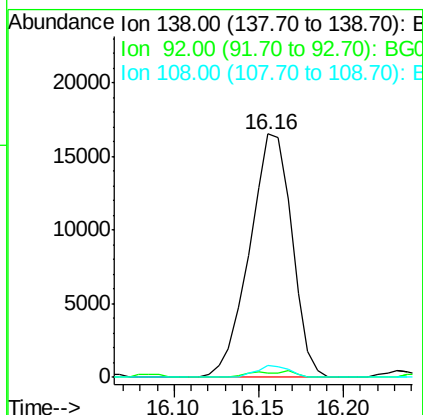
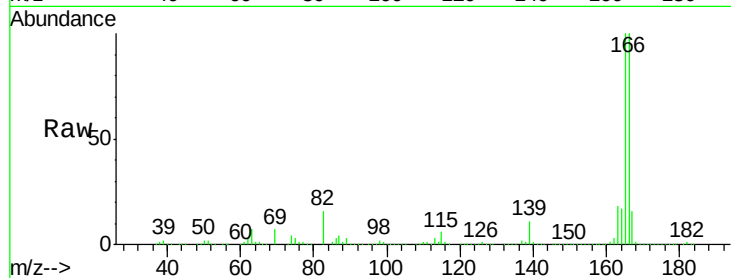




#60
4-Nitroaniline
Concen: 12.03 ng/ul
RT: 16.16 min Scan# 2088
Delta R.T. -0.00 min
Lab File: BG027544.D
Acq: 20 Jun 2017 00:56

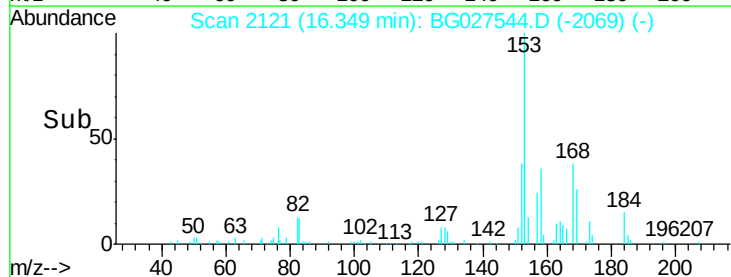
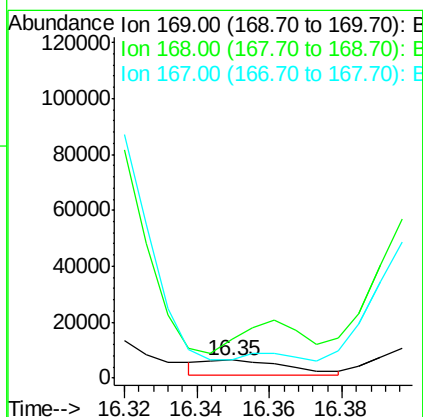
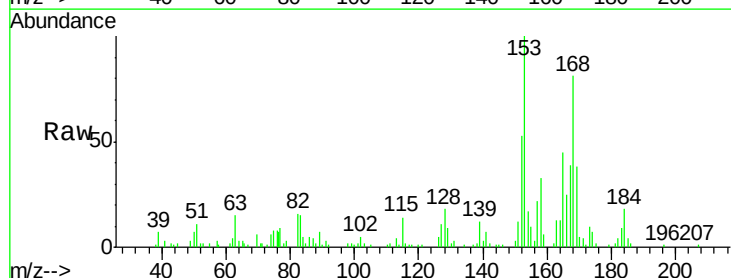
Instrument :
BNA_G
ClientSampleId :
F5C80

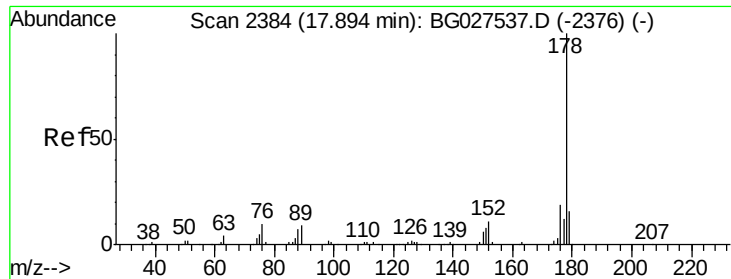
Tgt Ion:138 Resp: 28827
Ion Ratio Lower Upper
138 100
92 1.9 56.9 85.3#
108 4.7 104.9 157.3#



#64
N-Nitrosodiphenylamine
Concen: 1.18 ng/ul
RT: 16.35 min Scan# 2121
Delta R.T. 0.01 min
Lab File: BG027544.D
Acq: 20 Jun 2017 00:56

Tgt Ion:169 Resp: 8459
Ion Ratio Lower Upper
169 100
168 210.2 59.1 88.7#
167 101.7 29.7 44.5#





#69

Phenanthrene

Concen: 107.26 ng/ul

RT: 18.00 min Scan# 2402

Delta R.T. 0.11 min

Lab File: BG027544.D

Acq: 20 Jun 2017 00:56

Instrument :

BNA_G

ClientSampleId :

F5C80

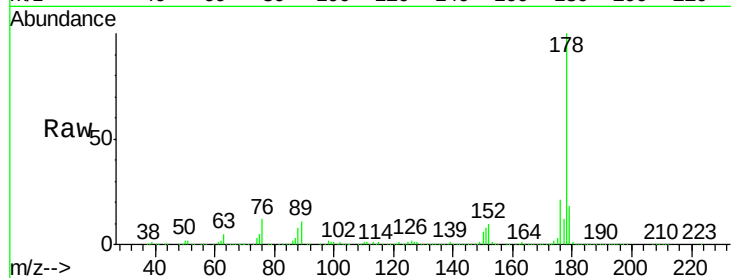
Tgt Ion:178 Resp: 1434373

Ion Ratio Lower Upper

178 100

179 17.7 12.4 18.6

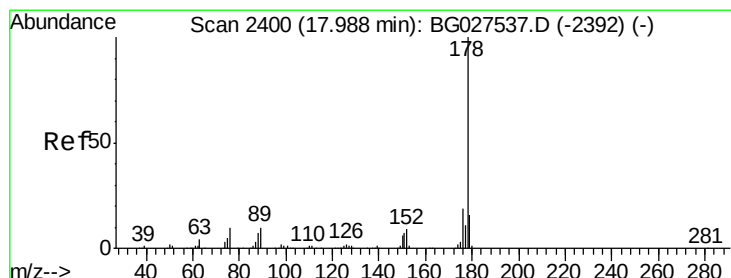
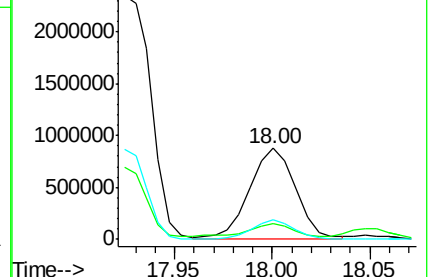
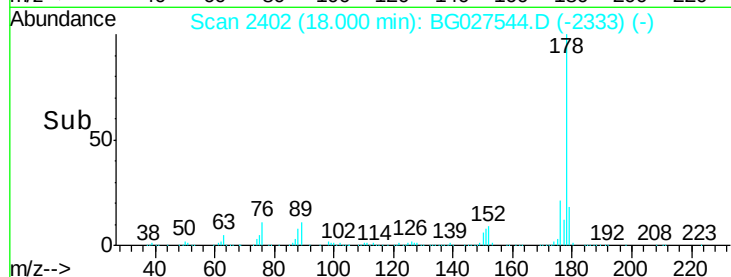
176 20.9 16.5 24.7



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: 105.48 ng/ul

RT: 18.00 min Scan# 2402

Delta R.T. 0.01 min

Lab File: BG027544.D

Acq: 20 Jun 2017 00:56

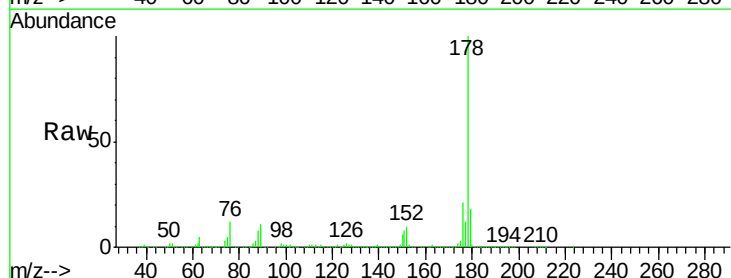
Tgt Ion:178 Resp: 1434373

Ion Ratio Lower Upper

178 100

179 17.7 12.6 19.0

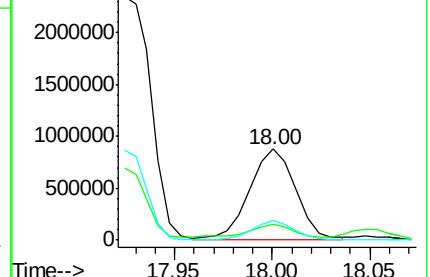
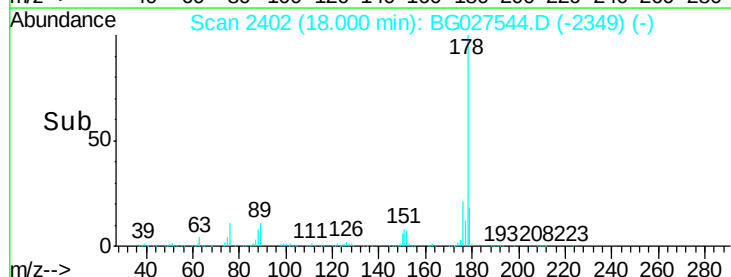
176 20.9 15.9 23.9

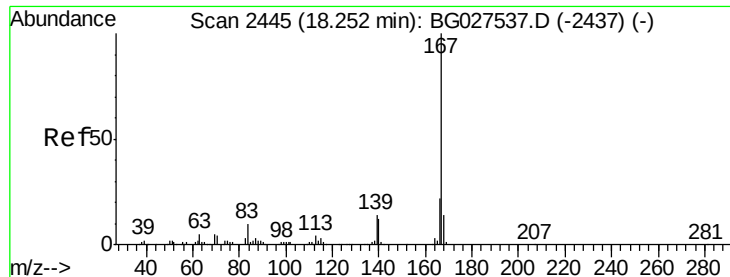


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 74.05 ng/ul

RT: 18.26 min Scan# 2446

Delta R.T. 0.01 min

Lab File: BG027544.D

Acq: 20 Jun 2017 00:56

Instrument :

BNA_G

ClientSampleId :

F5C80

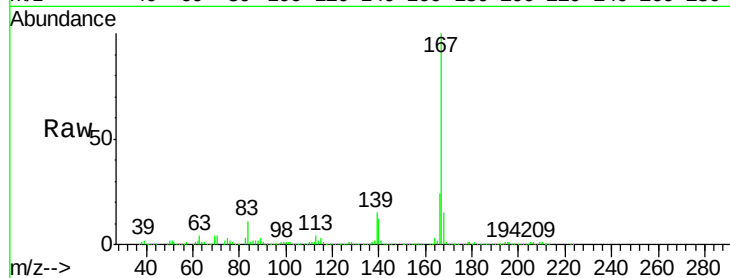
Tgt Ion:167 Resp: 866005

Ion Ratio Lower Upper

167 100

166 24.1 17.9 26.9

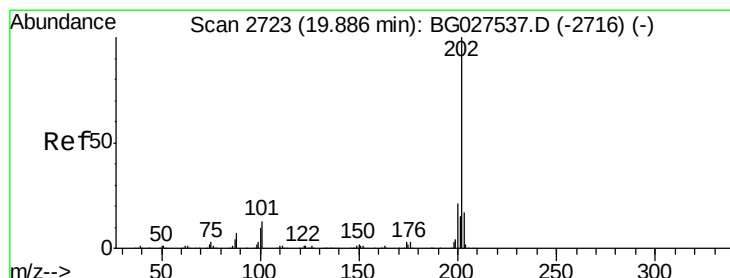
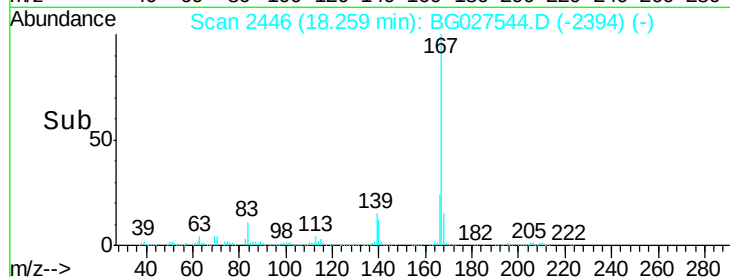
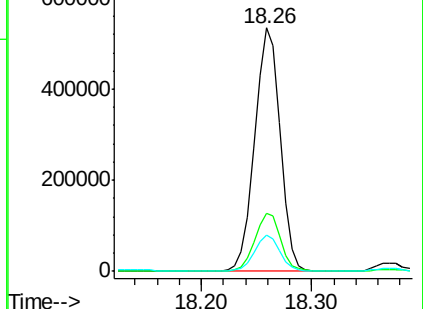
139 15.1 10.5 15.7



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: 288.46 ng/ul

RT: 19.90 min Scan# 2726

Delta R.T. 0.02 min

Lab File: BG027544.D

Acq: 20 Jun 2017 00:56

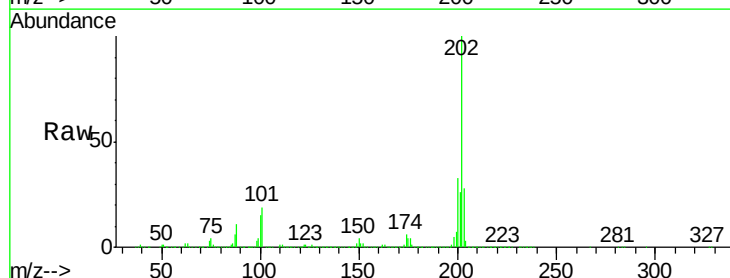
Tgt Ion:202 Resp: 4340357

Ion Ratio Lower Upper

202 100

101 18.9 6.2 9.2#

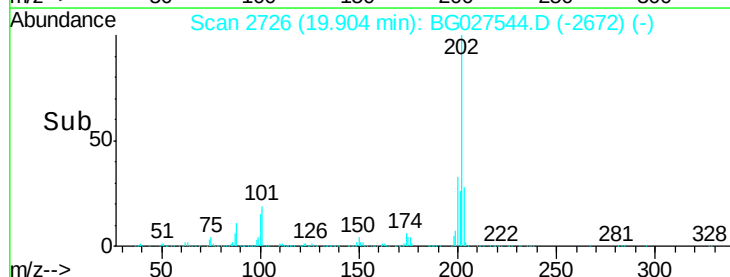
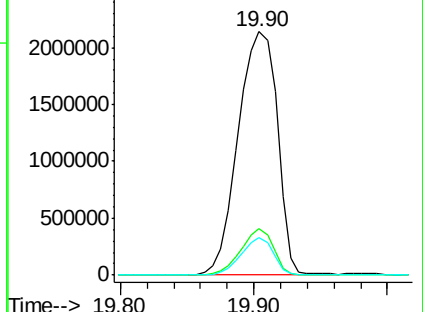
100 15.4 5.2 7.8#

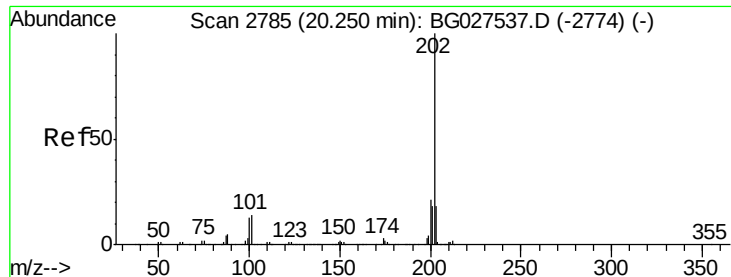


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

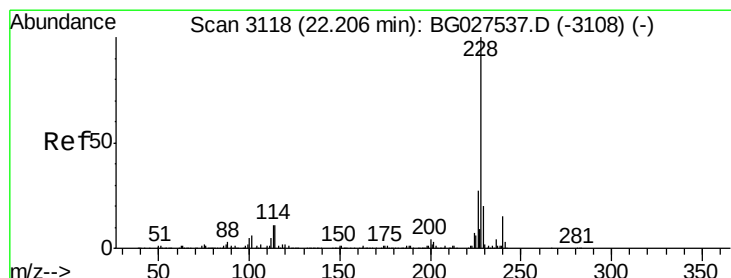
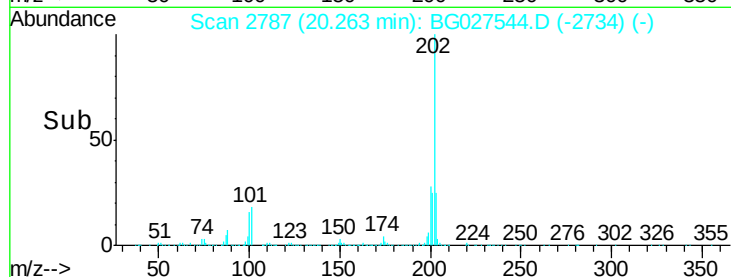
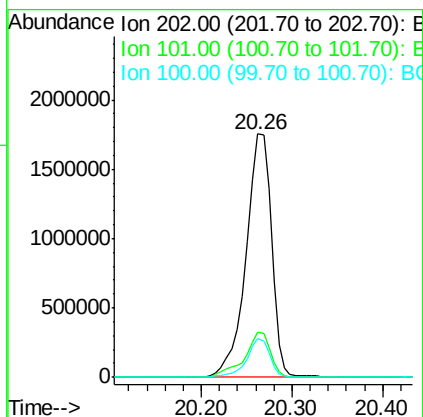
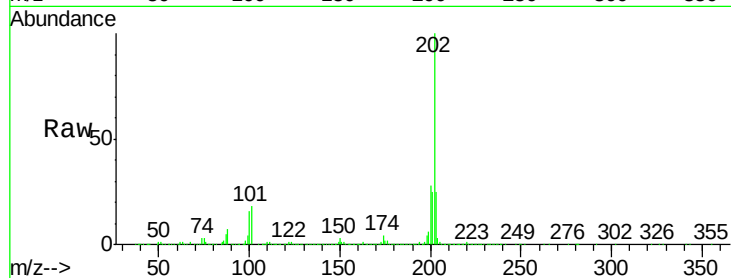




#77
 Pyrene
 Concen: 193.19 ng/ul
 RT: 20.26 min Scan# 2787
 Delta R.T. 0.01 min
 Lab File: BG027544.D
 Acq: 20 Jun 2017 00:56

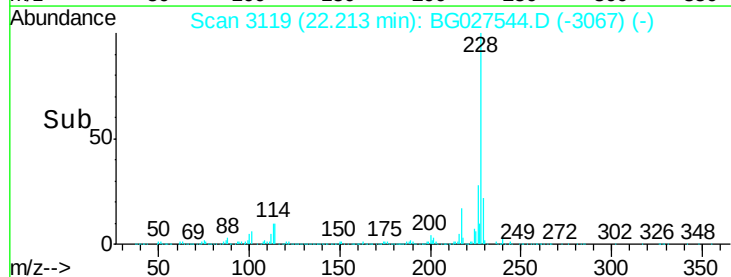
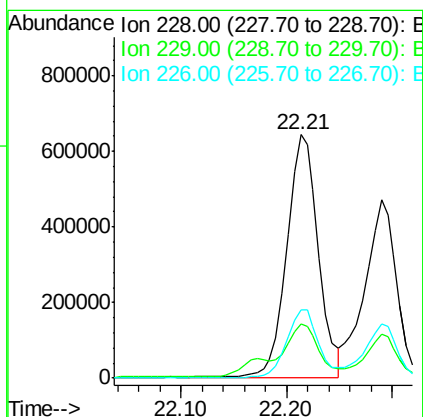
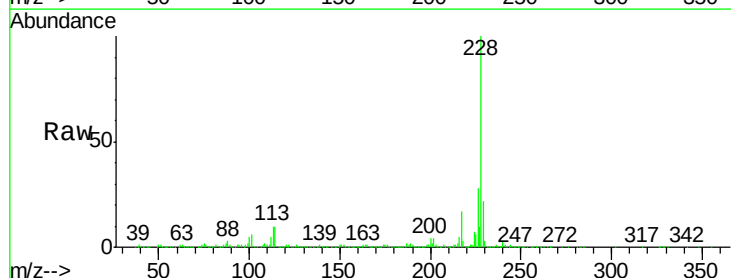
Instrument :
 BNA_G
 ClientSampleId :
 F5C80

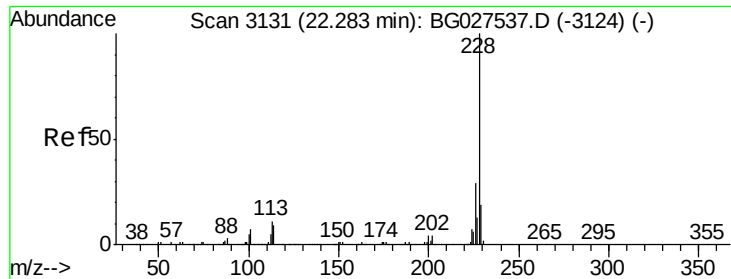
Tgt Ion:202 Resp: 3423335
 Ion Ratio Lower Upper
 202 100
 101 18.4 6.9 10.3#
 100 15.9 6.6 10.0#



#80
 Benzo(a)anthracene
 Concen: 79.49 ng/ul
 RT: 22.21 min Scan# 3119
 Delta R.T. 0.01 min
 Lab File: BG027544.D
 Acq: 20 Jun 2017 00:56

Tgt Ion:228 Resp: 1326987
 Ion Ratio Lower Upper
 228 100
 229 22.3 16.3 24.5
 226 28.1 21.9 32.9





#82

Chrysene

Concen: 65.09 ng/ul

RT: 22.29 min Scan# 3132

Delta R.T. 0.01 min

Lab File: BG027544.D

Acq: 20 Jun 2017 00:56

Instrument :

BNA_G

ClientSampleId :

F5C80

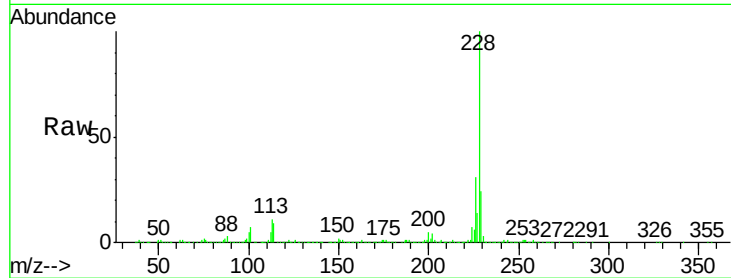
Tgt Ion:228 Resp: 981415

Ion Ratio Lower Upper

228 100

226 30.7 24.0 36.0

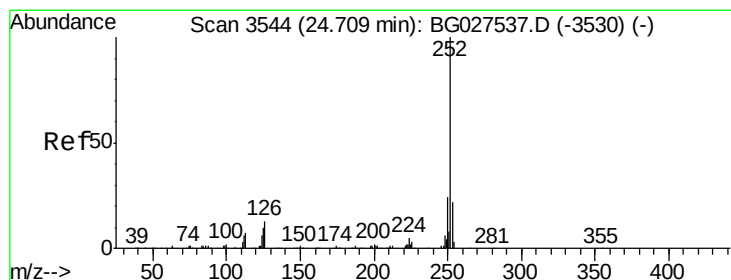
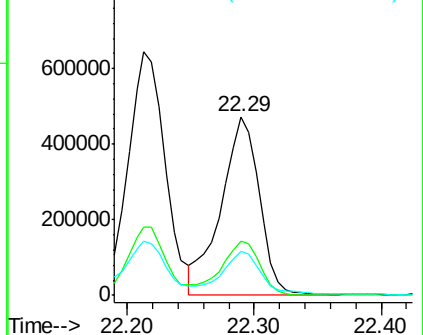
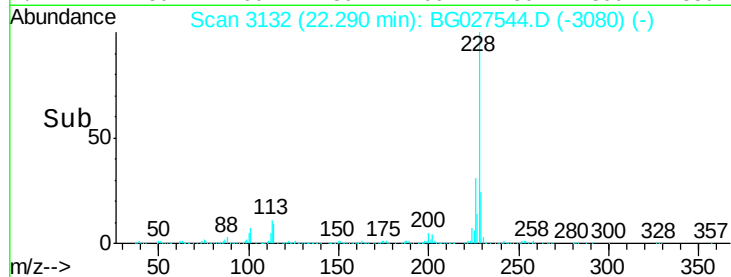
229 24.3 16.9 25.3



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: 42.18 ng/ul

RT: 24.72 min Scan# 3546

Delta R.T. 0.01 min

Lab File: BG027544.D

Acq: 20 Jun 2017 00:56

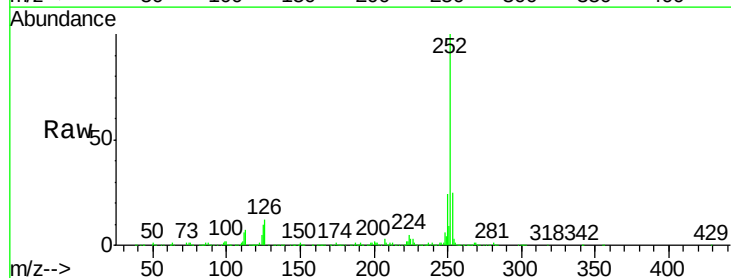
Tgt Ion:252 Resp: 657648

Ion Ratio Lower Upper

252 100

253 24.6 17.7 26.5

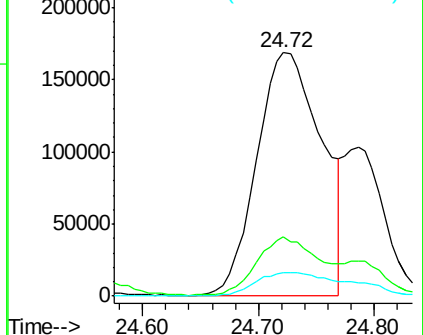
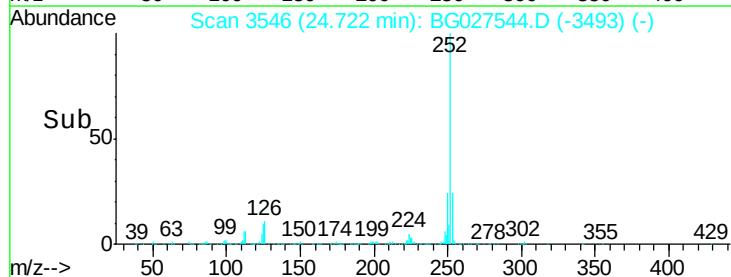
125 9.9 4.0 6.0#

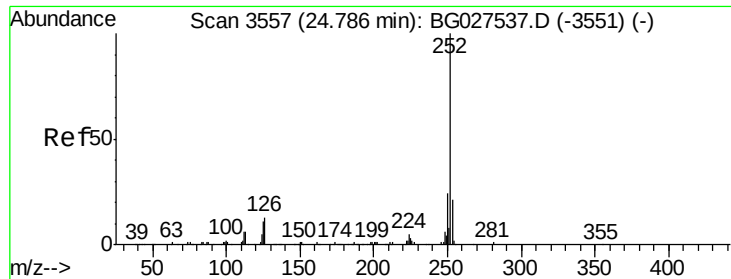


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

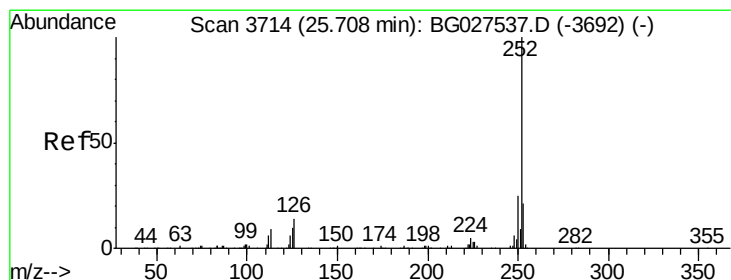
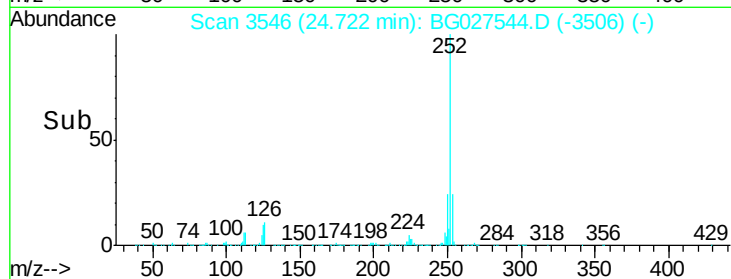
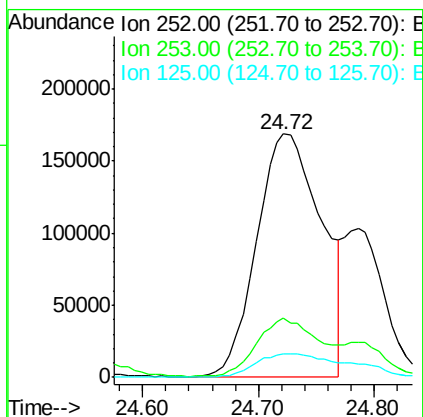
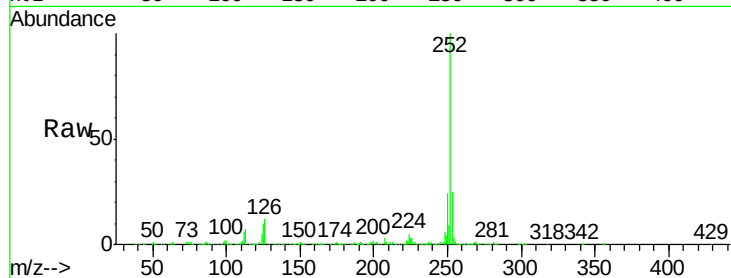




#86
Benzo(k)fluoranthene
Concen: 43.88 ng/ul
RT: 24.72 min Scan# 3546
Delta R.T. -0.06 min
Lab File: BG027544.D
Acq: 20 Jun 2017 00:56

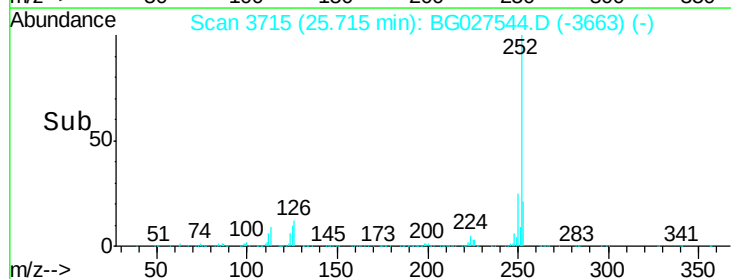
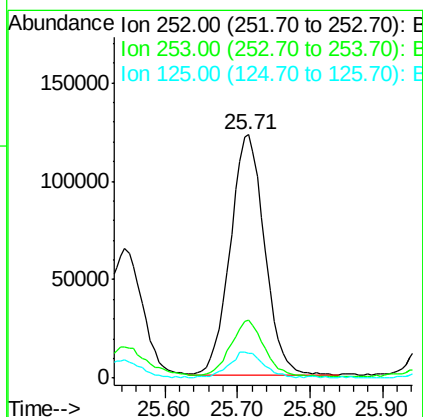
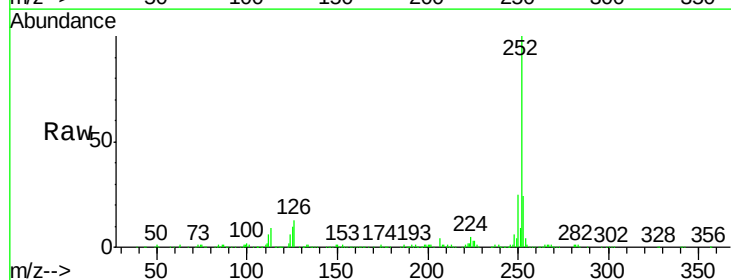
Instrument :
BNA_G
ClientSampleId :
F5C80

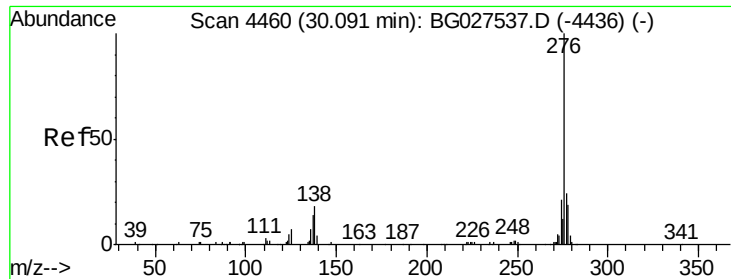
Tgt Ion:252 Resp: 657648
Ion Ratio Lower Upper
252 100
253 24.6 18.5 27.7
125 9.9 4.1 6.1#



#88
Benzo(a)pyrene
Concen: 26.65 ng/ul
RT: 25.71 min Scan# 3715
Delta R.T. 0.01 min
Lab File: BG027544.D
Acq: 20 Jun 2017 00:56

Tgt Ion:252 Resp: 399019
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 10.3 5.4 8.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 6.79 ng/ul

RT: 30.08 min Scan# 4458

Delta R.T. -0.01 min

Lab File: BG027544.D

Acq: 20 Jun 2017 00:56

Instrument :

BNA_G

ClientSampleId :

F5C80

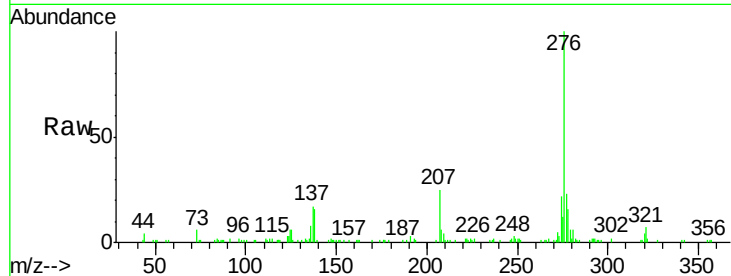
Tgt Ion:276 Resp: 116085

Ion Ratio Lower Upper

276 100

138 16.1 8.2 12.4#

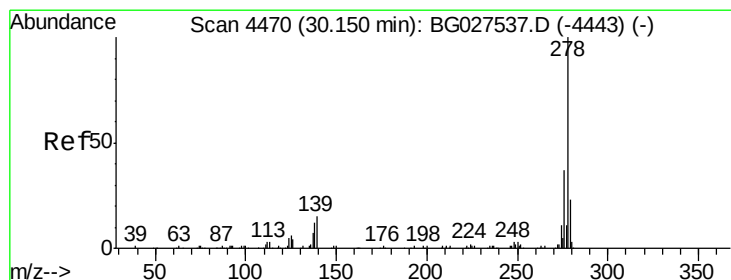
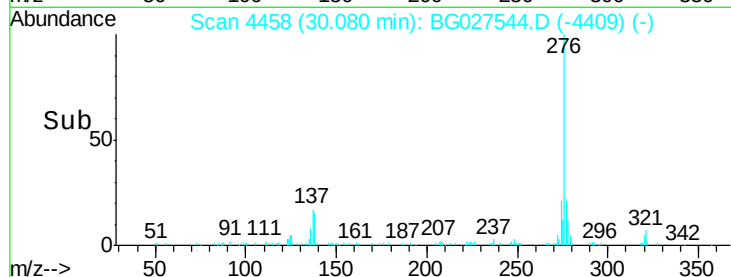
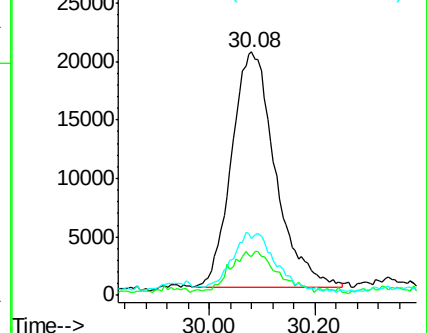
277 23.2 18.6 28.0



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: 1.34 ng/ul

RT: 30.13 min Scan# 4466

Delta R.T. -0.02 min

Lab File: BG027544.D

Acq: 20 Jun 2017 00:56

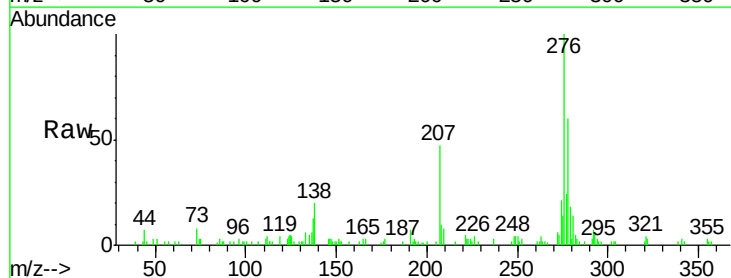
Tgt Ion:278 Resp: 19655

Ion Ratio Lower Upper

278 100

139 0.0 6.7 10.1#

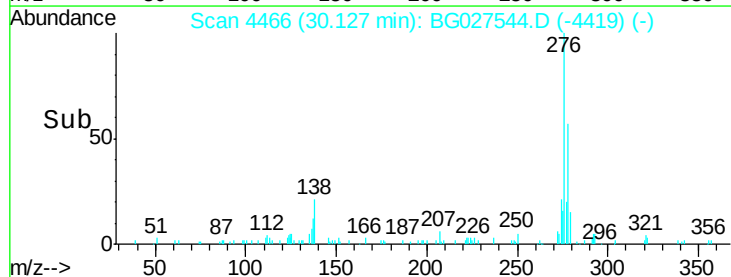
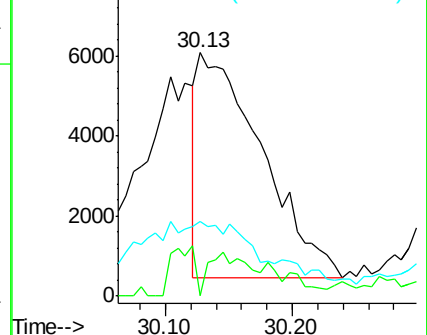
279 30.6 20.9 31.3

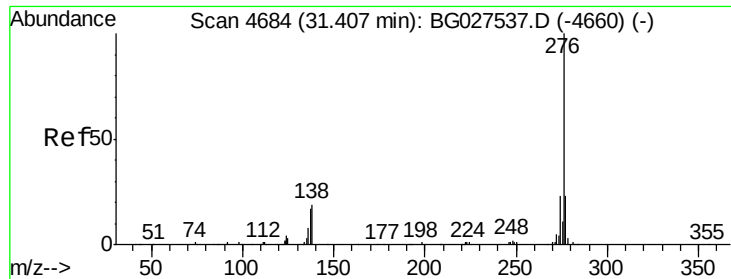


Abundance Ion 278.00 (277.70 to 278.70): E

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: 4.94 ng/ul

RT: 31.40 min Scan# 4682

Delta R.T. -0.01 min

Lab File: BG027544.D

Acq: 20 Jun 2017 00:56

Instrument :

BNA_G

ClientSampleId :

F5C80

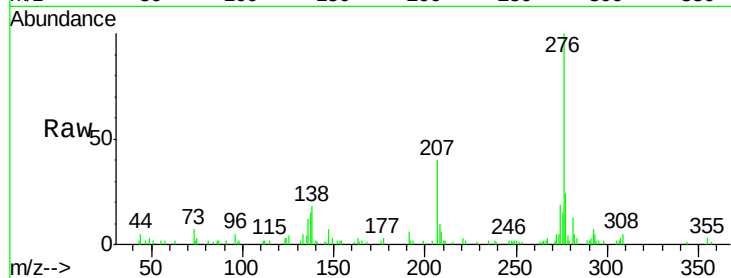
Tgt Ion: 276 Resp: 69161

Ion Ratio Lower Upper

276 100

138 17.6 8.6 12.8#

277 24.2 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

