

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082517\
 Data File : BG028493.D
 Acq On : 25 Aug 2017 15:45
 Operator : SJ/JU
 Sample : I4885-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0AT3

Quant Time: Aug 25 23:13:52 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 25 23:11:18 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	39721	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	170357	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	117466	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.71	188	273942	20.00	ng/ul	0.00
75) Chrysene-d12	22.03	240	313672	20.00	ng/ul	0.00
83) Perylene-d12	25.55	264	316652	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.82	96	3302	3.87	ng/uL	0.00
5) Phenol-d5	7.50	99	80242	18.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.66	67	55622	20.13	ng/ul	0.00
9) 2-Chlorophenol-d4	7.87	132	60531	21.99	ng/ul	0.00
13) 4-Methylphenol-d8	9.04	113	62691	17.19	ng/ul	0.00
19) Nitrobenzene-d5	9.51	128	34213	25.68	ng/ul	0.00
22) 2-Nitrophenol-d4	10.23	143	37459	25.65	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.78	165	72442	23.97	ng/ul	0.00
29) 4-Chloroaniline-d4	11.29	131	90769	26.99	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	247544	23.69	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	295530	25.09	ng/ul	0.00
51) 4-Nitrophenol-d4	15.15	143	37878	22.80	ng/ul	0.00
57) Fluorene-d10	15.95	176	221505	23.63	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.07	200	34537	19.41	ng/ul	0.01
70) Anthracene-d10	17.81	188	375339	28.57	ng/ul	0.01
76) Pyrene-d10	20.08	212	432873	26.91	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.31	264	421621	28.44	ng/ul	0.02

Target Compounds

				Ovalue	
6) Phenol	7.51	94	6160	1.421	ng/ul# 85
15) N-Nitroso-di-n-propylamine	9.12	70	3203	1.084	ng/ul# 65
17) Hexachloroethane	9.45	117	1640	1.476	ng/ul# 1
21) Isophorone	10.06	82	21808	2.977	ng/ul# 1
24) 2,4-Dimethylphenol	10.36	107	8965	2.446	ng/ul# 61
33) 4-Chloro-3-methylphenol	12.43	107	3658	1.042	ng/ul# 25
39) 2,4,5-Trichlorophenol	13.46	196	4080	1.586	ng/ul# 28
44) Dimethylphthalate	14.39	163	154843	16.096	ng/ul# 95
45) 2,6-Dinitrotoluene	14.49	165	9510	4.788	ng/ul# 36
47) Acenaphthylene	14.68	152	14092	1.252	ng/ul# 1
48) 3-Nitroaniline	14.85	138	5802	3.244	ng/ul# 32
49) Acenaphthene	15.03	153	31137	4.099	ng/ul# 61
52) 4-Nitrophenol	15.18	109	6730	3.910	ng/ul# 52
53) Dibenzofuran	15.26	168	11773	1.063	ng/ul 95
58) Fluorene	16.00	166	62044	6.328	ng/ul# 86
64) N-Nitrosodiphenylamine	16.20	169	184233	25.563	ng/ul# 36
69) Phenanthrene	17.75	178	294701	21.376	ng/ul# 94
71) Anthracene	17.84	178	27362	1.942	ng/ul# 84
74) Fluoranthene	19.74	202	100083	5.974	ng/ul 99
80) Benzo(a)anthracene	22.01	228	46713	2.577	ng/ul 98
81) Bis(2-ethylhexyl)phthalate	21.86	149	28346	2.843	ng/ul 98
82) Chrysene	22.08	228	38932	2.385	ng/ul 97
85) Benzo(b)fluoranthene	24.42	252	46277	2.442	ng/ul# 92

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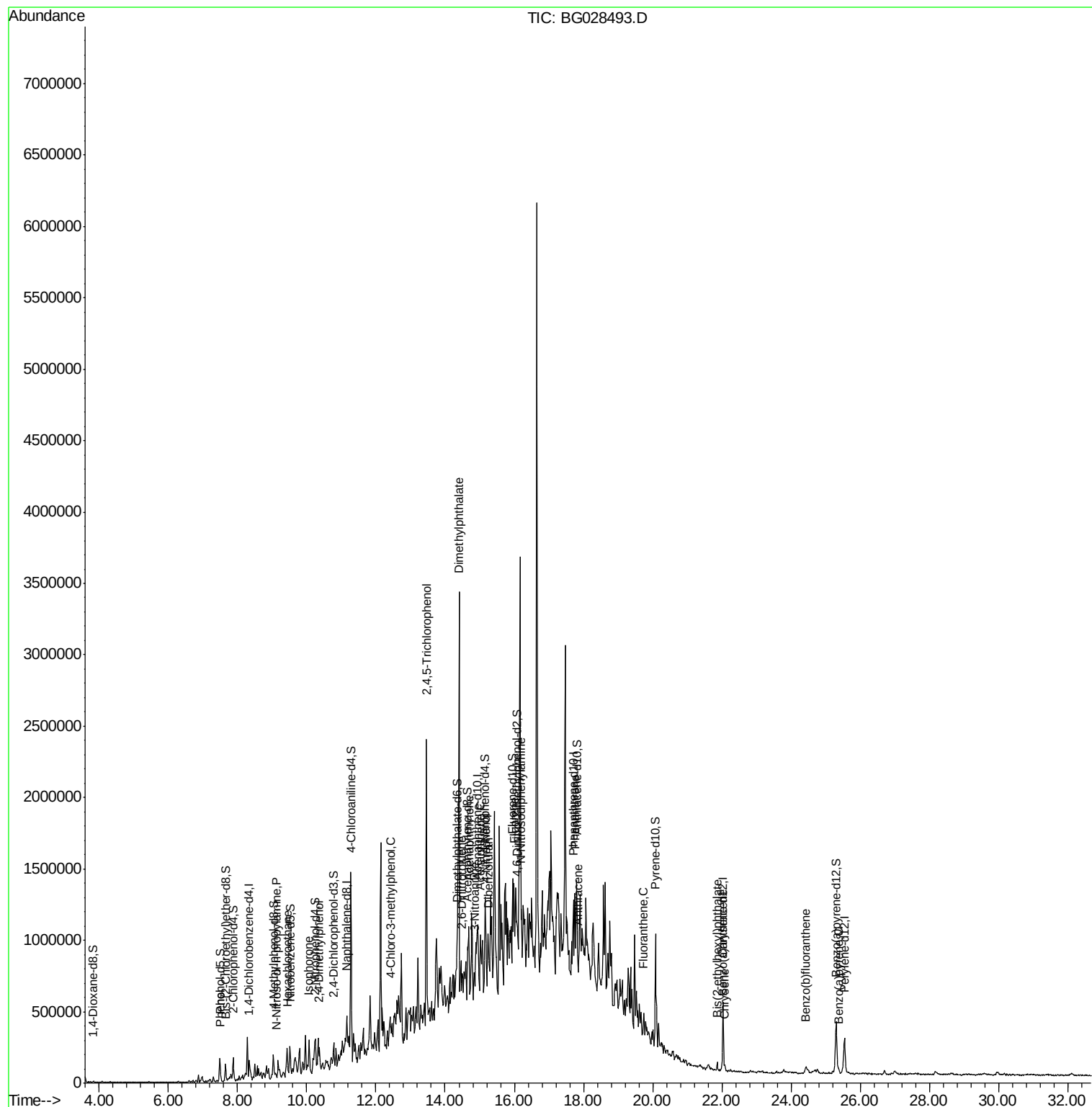
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(a)pyrene	25.38	252	32115	1.750	ng/ul#	92

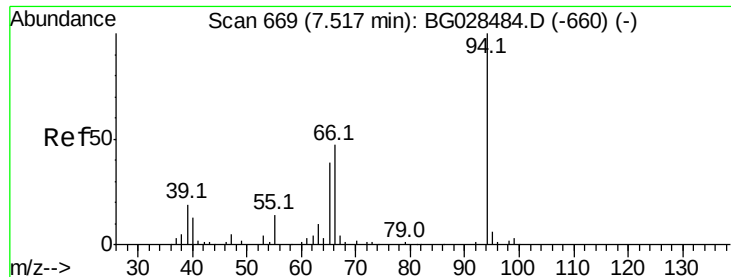
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.421 ng/ul

RT: 7.51 min Scan# 668

Delta R.T. -0.00 min

Lab File: BG028493.D

Acq: 25 Aug 2017 15:45

Instrument :

BNA_G

ClientSampleId :

B0AT3

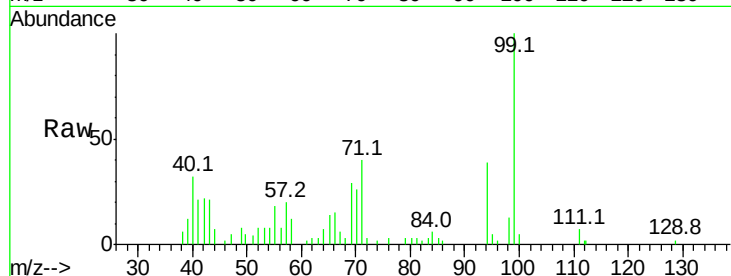
Tot Ion: 94 Resp: 6160

Ion Ratio Lower Upper

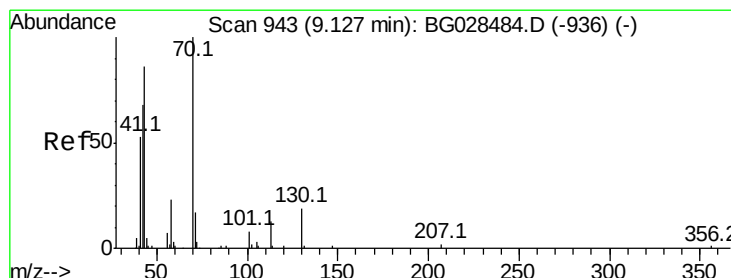
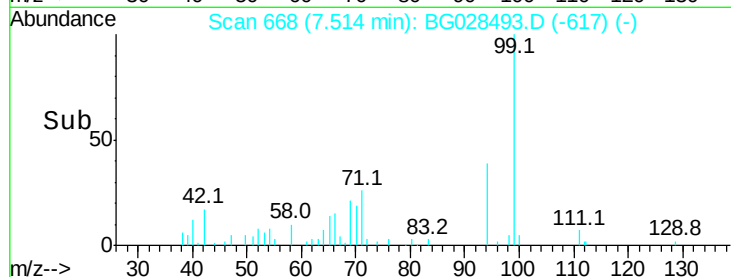
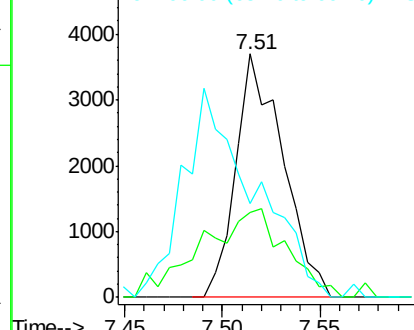
94 100

65 34.8 26.8 40.2

66 38.7 44.4 66.6#



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



#15

N-Nitroso-di-n-propylamine

Concen: 1.084 ng/ul

RT: 9.12 min Scan# 941

Delta R.T. -0.01 min

Lab File: BG028493.D

Acq: 25 Aug 2017 15:45

Tgt Ion: 70 Resp: 3203

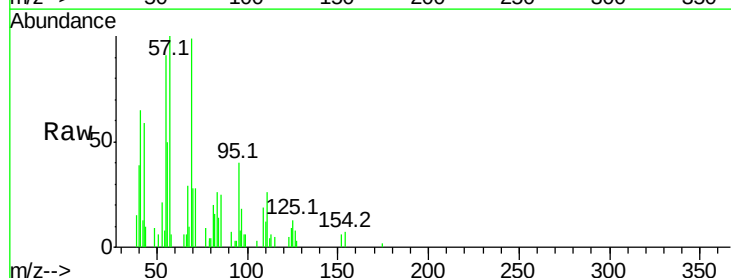
Ion Ratio Lower Upper

70 100

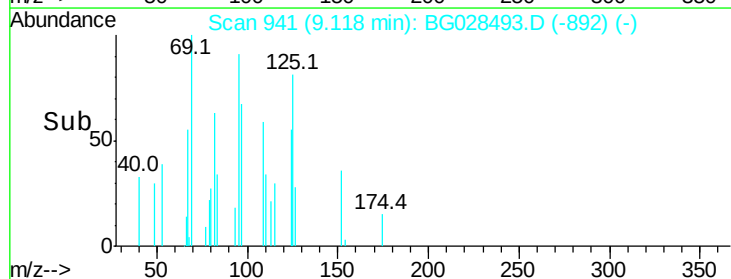
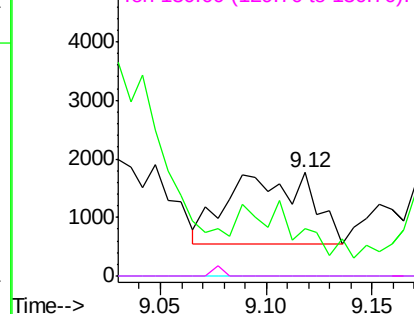
42 45.4 59.0 88.6#

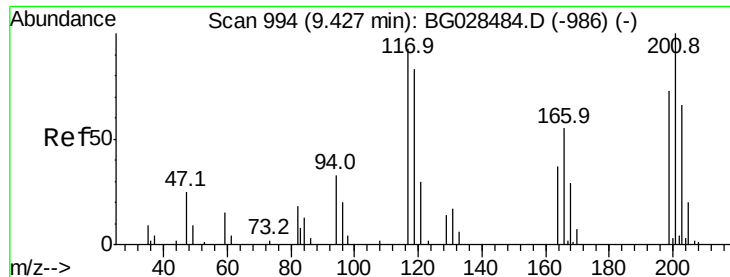
101 0.0 6.6 9.8#

130 0.0 15.6 23.4#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#17

Hexachloroethane

Concen: 1.476 ng/ul

RT: 9.45 min Scan# 997

Delta R.T. 0.02 min

Lab File: BG028493.D

Acq: 25 Aug 2017 15:45

Instrument :

BNA_G

ClientSampleId :

B0AT3

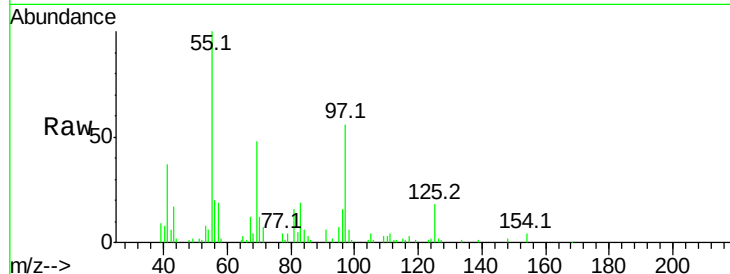
Tot Ion:117 Resp: 1640

Ion Ratio Lower Upper

117 100

201 0.0 91.9 137.9#

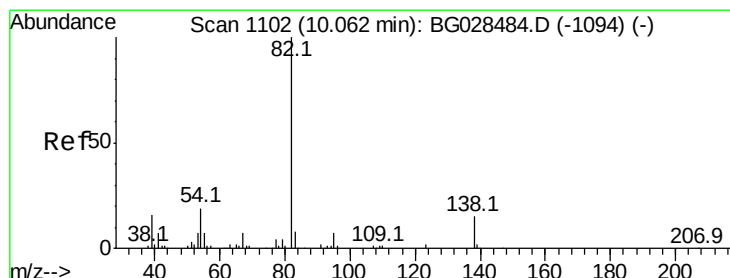
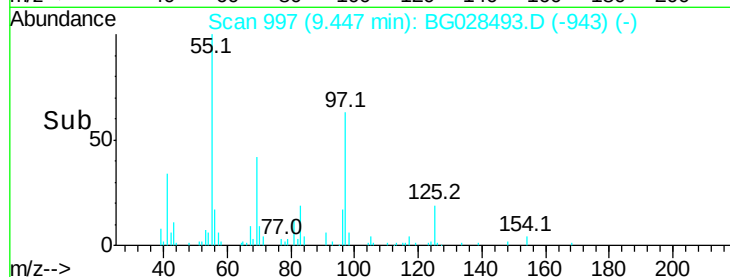
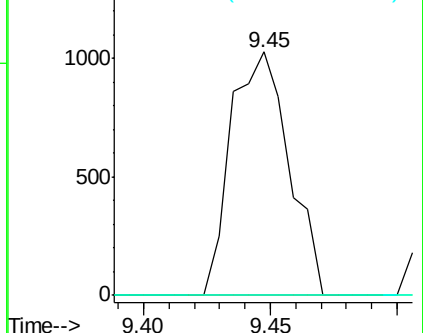
199 0.0 64.3 96.5#



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



#21

Isophorone

Concen: 2.977 ng/ul

RT: 10.06 min Scan# 1102

Delta R.T. 0.00 min

Lab File: BG028493.D

Acq: 25 Aug 2017 15:45

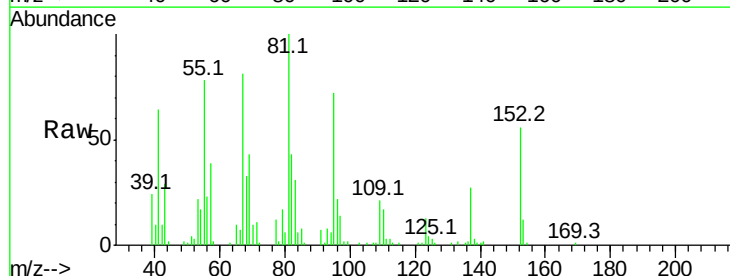
Tgt Ion: 82 Resp: 21808

Ion Ratio Lower Upper

82 100

95 165.3 7.8 11.6#

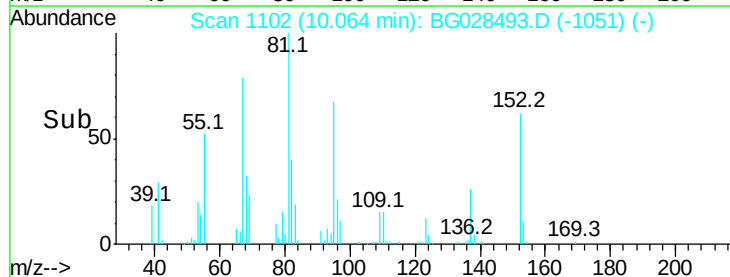
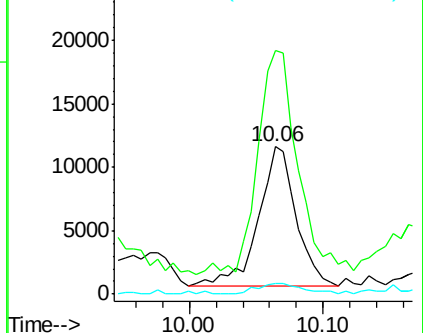
138 7.5 12.2 18.2#

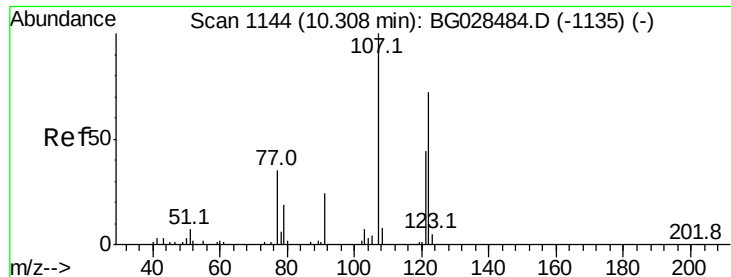


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 138.00 (137.70 to 138.70): E





#24

2,4-Dimethylphenol

Concen: 2.446 ng/ul

RT: 10.36 min Scan# 1152

Delta R.T. 0.05 min

Lab File: BG028493.D

Acq: 25 Aug 2017 15:45

Instrument :

BNA_G

ClientSampleId :

B0AT3

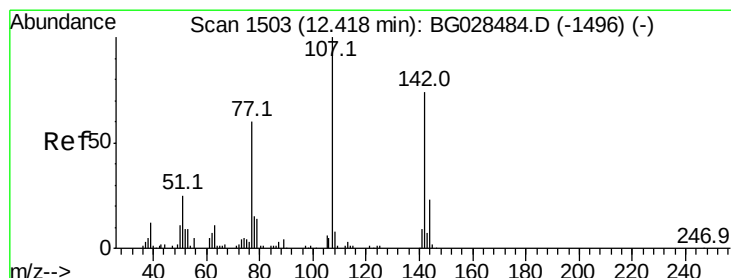
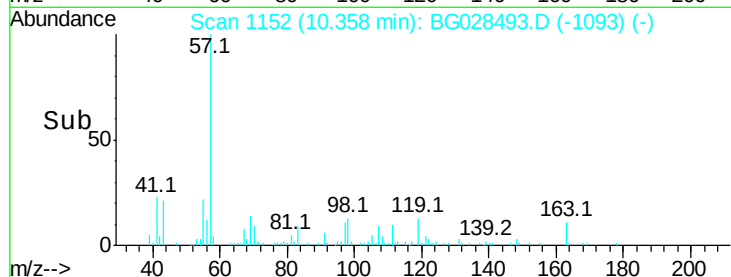
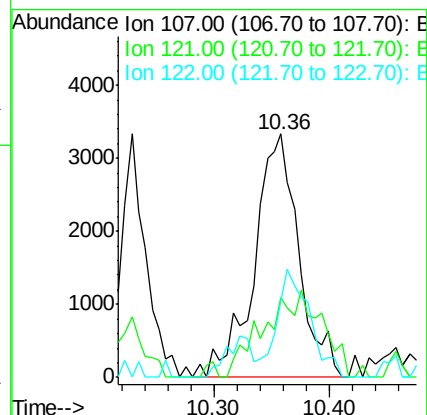
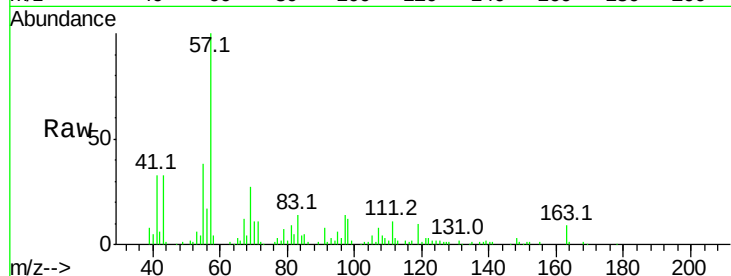
Tot Ion:107 Resp: 8965

Ion Ratio Lower Upper

107 100

121 32.6 32.3 48.5

122 31.4 61.2 91.8#



#33

4-Chloro-3-methylphenol

Concen: 1.042 ng/ul

RT: 12.43 min Scan# 1504

Delta R.T. 0.01 min

Lab File: BG028493.D

Acq: 25 Aug 2017 15:45

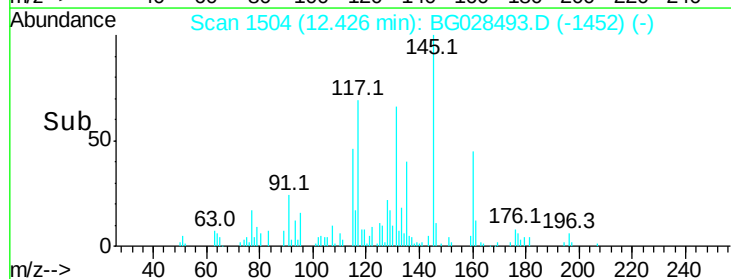
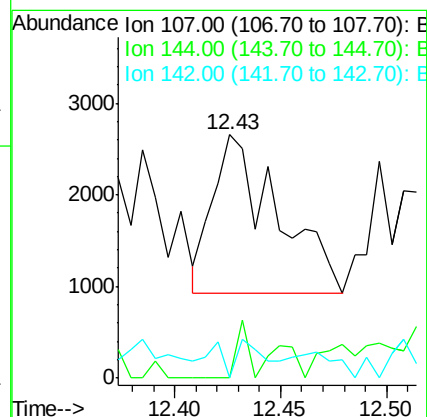
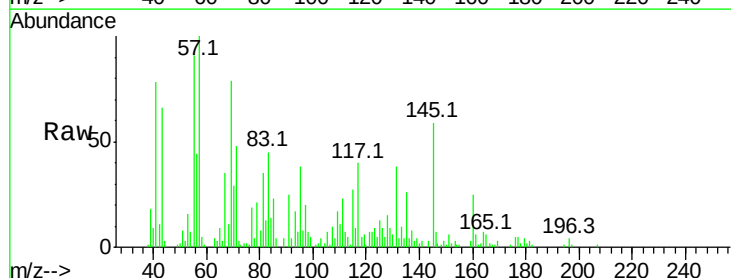
Tgt Ion:107 Resp: 3658

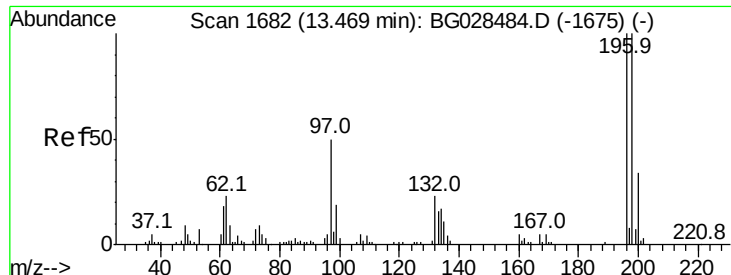
Ion Ratio Lower Upper

107 100

144 0.0 18.2 27.4#

142 0.0 55.0 82.4#

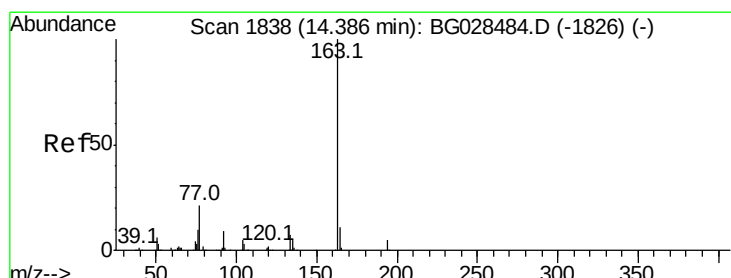
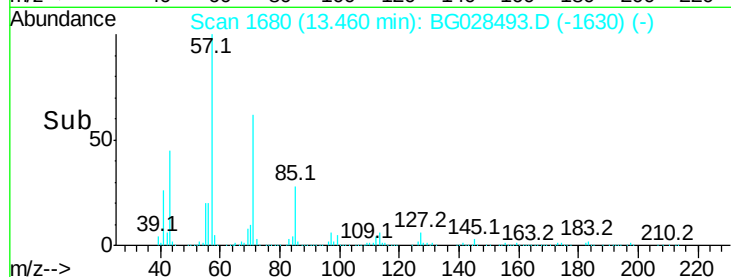
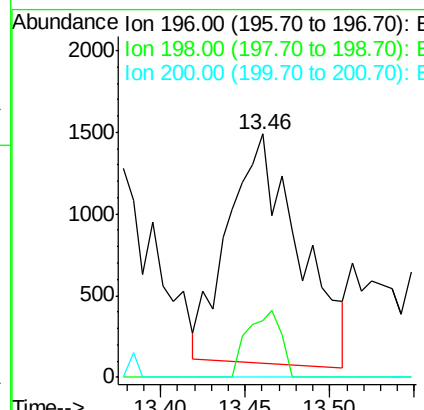
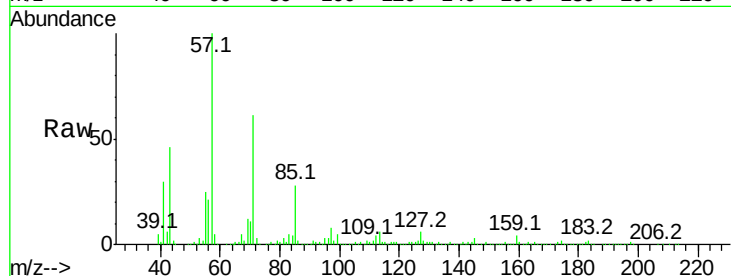




#39
 2,4,5-Trichlorophenol
 Concen: 1.586 ng/ul
 RT: 13.46 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: BG028493.D
 Acq: 25 Aug 2017 15:45

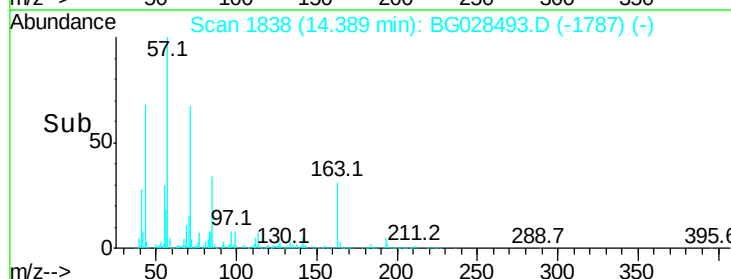
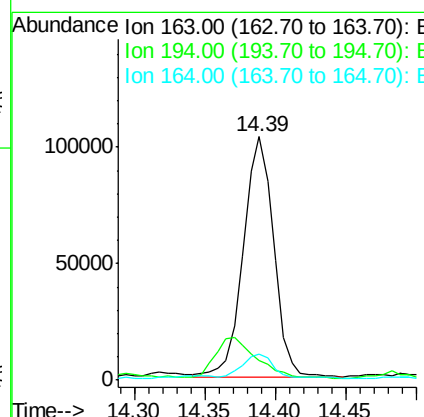
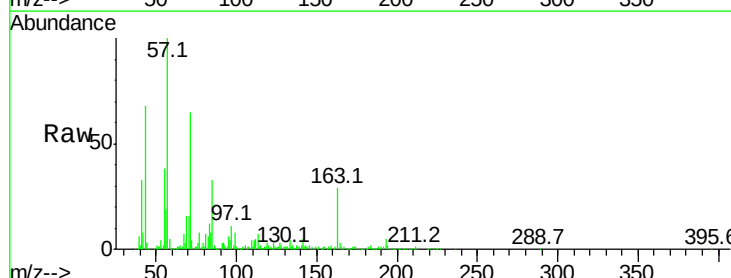
Instrument :
 BNA_G
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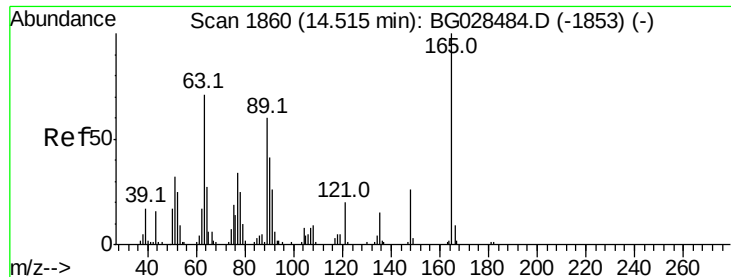
Tot Ion:196 Resp: 4080
 Ion Ratio Lower Upper
 196 100
 198 23.1 78.6 118.0#
 200 0.0 27.3 40.9#



#44
 Dimethylphthalate
 Concen: 16.096 ng/ul
 RT: 14.39 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BG028493.D
 Acq: 25 Aug 2017 15:45

Tgt Ion:163 Resp: 154843
 Ion Ratio Lower Upper
 163 100
 194 8.2 3.4 5.0#
 164 10.6 9.0 13.4





#45

2,6-Dinitrotoluene

Concen: 4.788 ng/ul

RT: 14.49 min Scan# 1855

Delta R.T. -0.03 min

Lab File: BG028493.D

Acq: 25 Aug 2017 15:45

Instrument :

BNA_G

ClientSampleId :

B0AT3

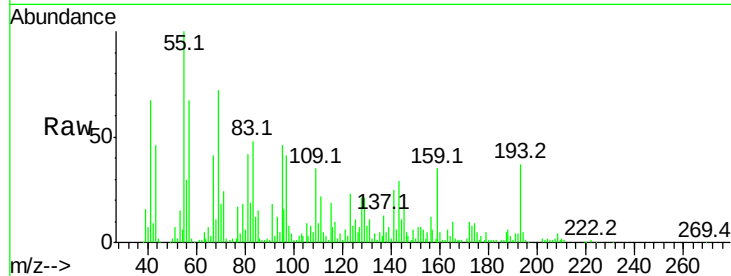
Tot Ion:165 Resp: 9510

Ion Ratio Lower Upper

165 100

89 18.5 52.9 79.3#

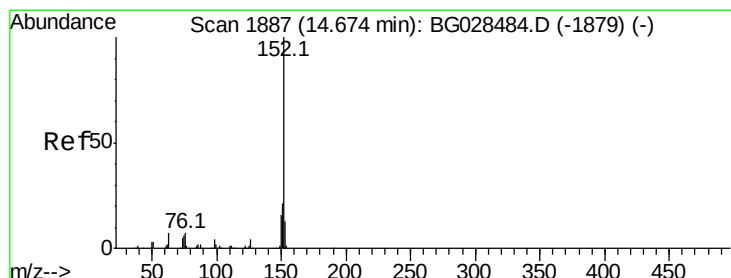
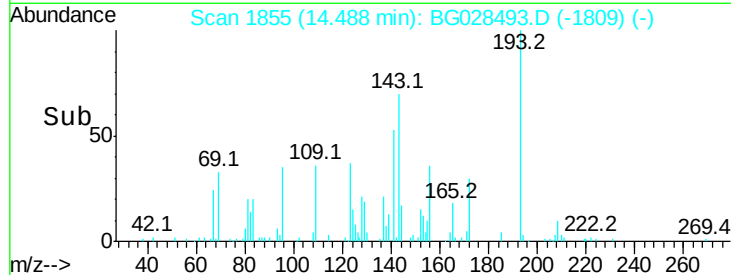
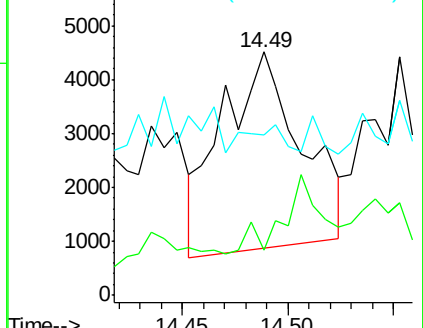
121 65.7 22.2 33.4#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BG

Ion 121.00 (120.70 to 121.70): E



#47

Acenaphthylene

Concen: 1.252 ng/ul

RT: 14.68 min Scan# 1888

Delta R.T. 0.01 min

Lab File: BG028493.D

Acq: 25 Aug 2017 15:45

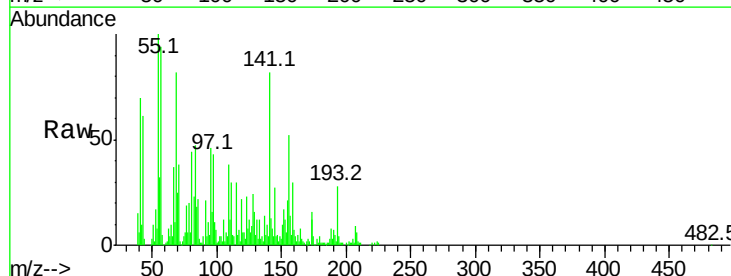
Tgt Ion:152 Resp: 14092

Ion Ratio Lower Upper

152 100

151 61.3 16.7 25.1#

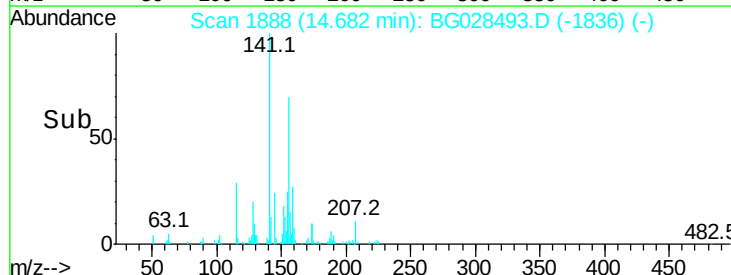
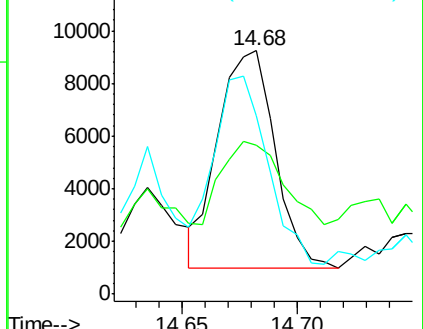
153 73.0 11.4 17.2#

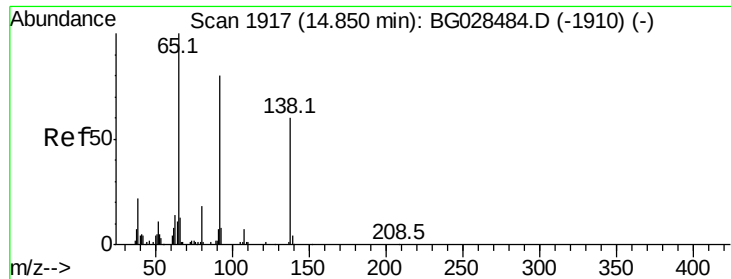


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#48

3-Nitroaniline

Concen: 3.244 ng/ul

RT: 14.85 min Scan# 1917

Delta R.T. 0.00 min

Lab File: BG028493.D

Acq: 25 Aug 2017 15:45

Instrument :

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ClientSampleId :

B0AT3

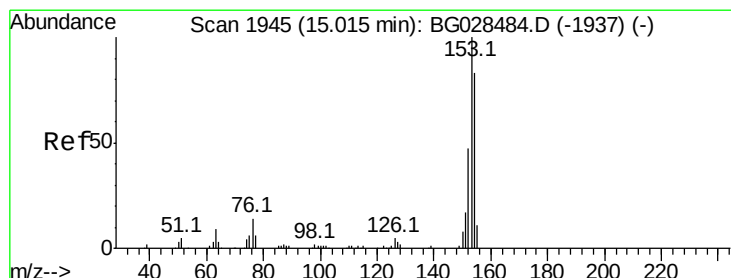
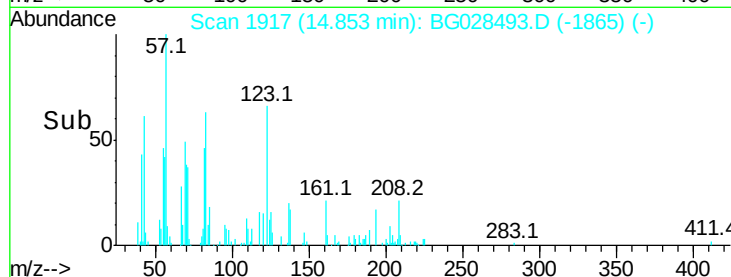
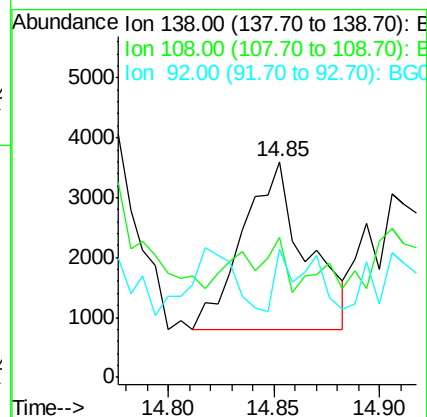
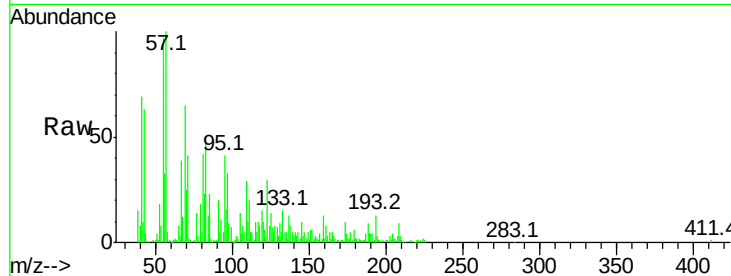
Tot Ion:138 Resp: 5802

Ion Ratio Lower Upper

138 100

108 64.8 6.3 9.5#

92 59.4 106.4 159.6#



#49

Acenaphthene

Concen: 4.099 ng/ul

RT: 15.03 min Scan# 1947

Delta R.T. 0.01 min

Lab File: BG028493.D

Acq: 25 Aug 2017 15:45

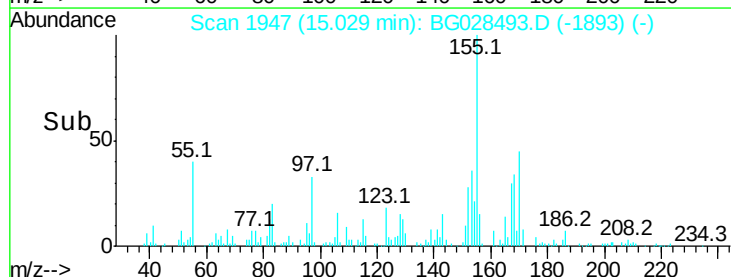
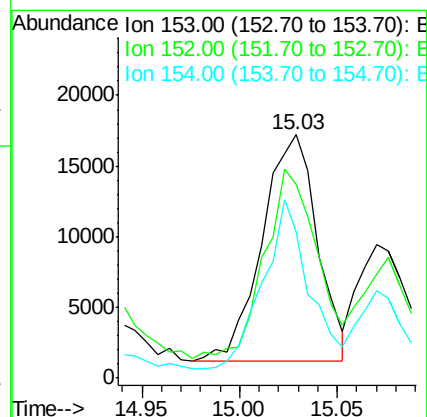
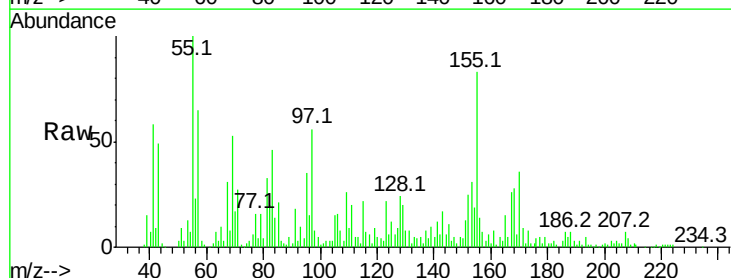
Tgt Ion:153 Resp: 31137

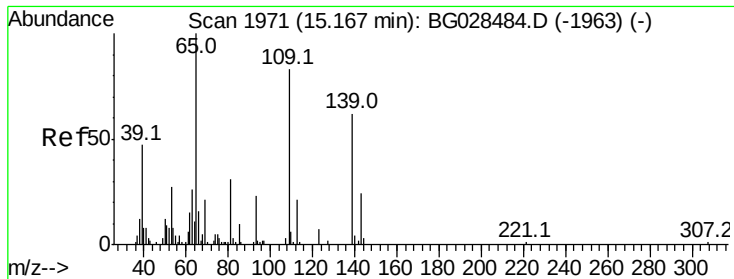
Ion Ratio Lower Upper

153 100

152 79.4 36.5 54.7#

154 60.0 72.3 108.5#

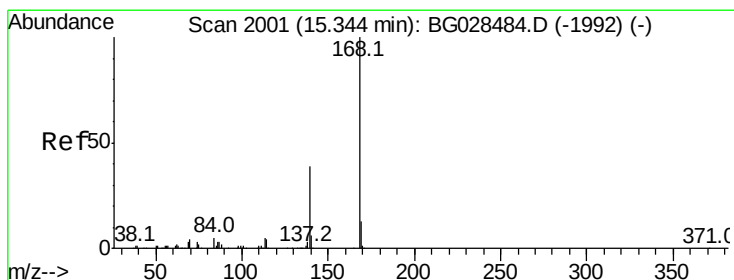
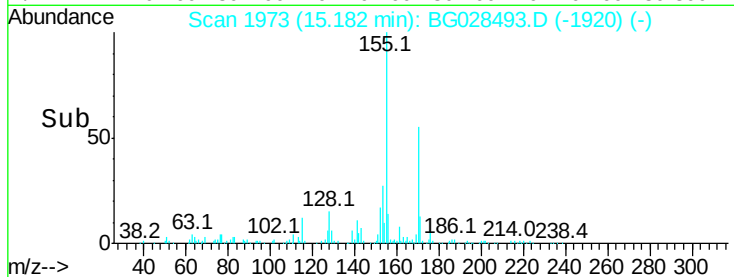
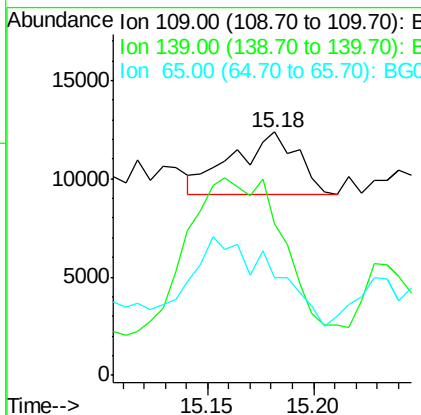
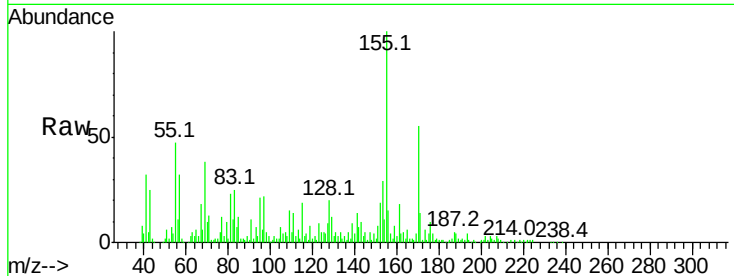




#52
4-Nitrophenol
Concen: 3.910 ng/ul
RT: 15.18 min Scan# 1973
Delta R.T. 0.01 min
Lab File: BG028493.D
Acq: 25 Aug 2017 15:45

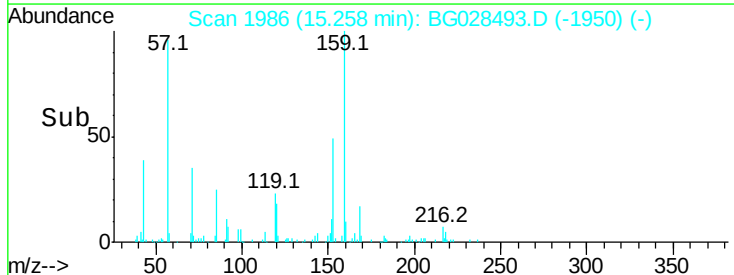
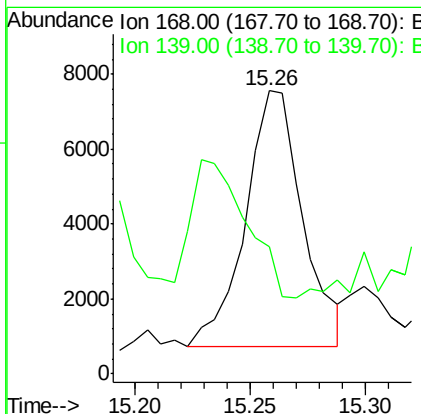
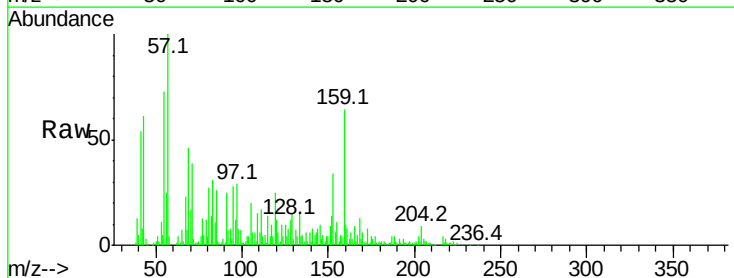
Instrument :
BNA_G
ClientSampleId :
B0AT3

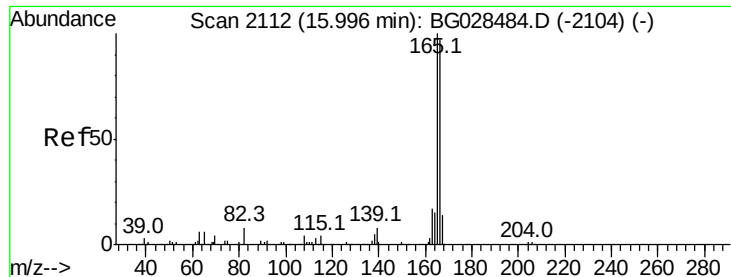
Tot Ion:109 Resp: 6730
Ion Ratio Lower Upper
109 100
139 62.1 62.6 93.8#
65 40.2 90.4 135.6#



#53
Dibenzofuran
Concen: 1.063 ng/ul
RT: 15.26 min Scan# 1986
Delta R.T. -0.09 min
Lab File: BG028493.D
Acq: 25 Aug 2017 15:45

Tgt Ion:168 Resp: 11773
Ion Ratio Lower Upper
168 100
139 45.2 33.8 50.8





#58

Fluorene

Concen: 6.328 ng/ul

RT: 16.00 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BG028493.D

Acq: 25 Aug 2017 15:45

Instrument :

BNA_G

ClientSampleId :

B0AT3

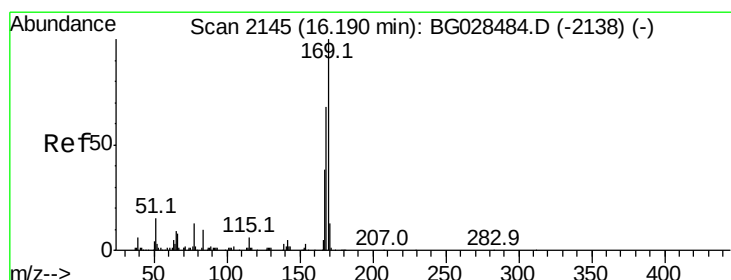
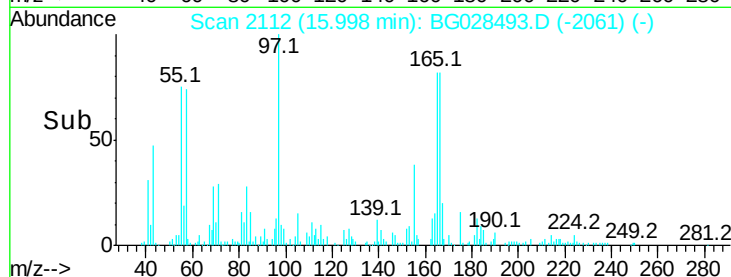
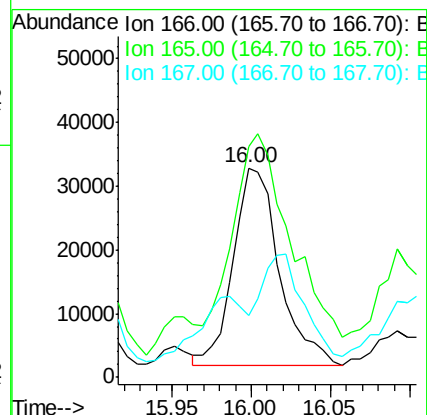
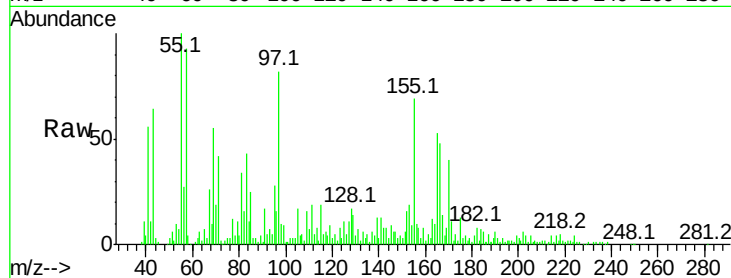
Tot Ion:166 Resp: 62044

Ion Ratio Lower Upper

166 100

165 110.3 79.7 119.5

167 29.5 11.4 17.2#



#64

N-Nitrosodiphenylamine

Concen: 25.563 ng/ul

RT: 16.20 min Scan# 2146

Delta R.T. 0.01 min

Lab File: BG028493.D

Acq: 25 Aug 2017 15:45

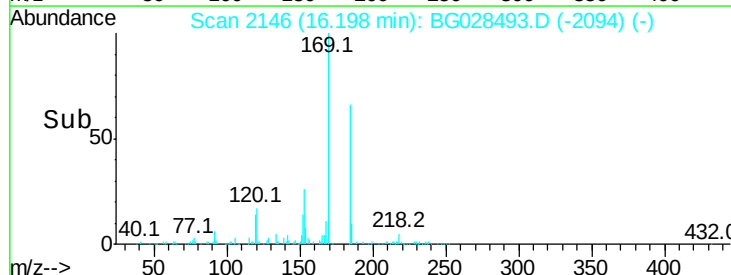
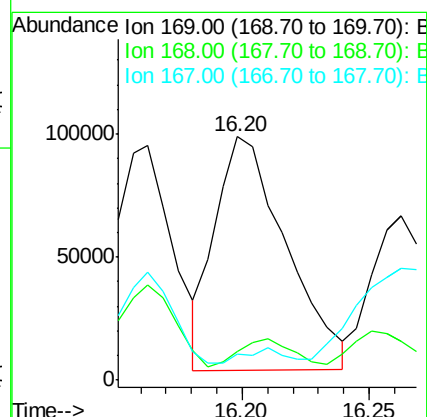
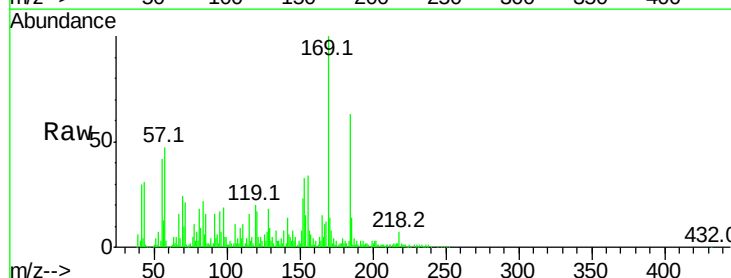
Tgt Ion:169 Resp: 184233

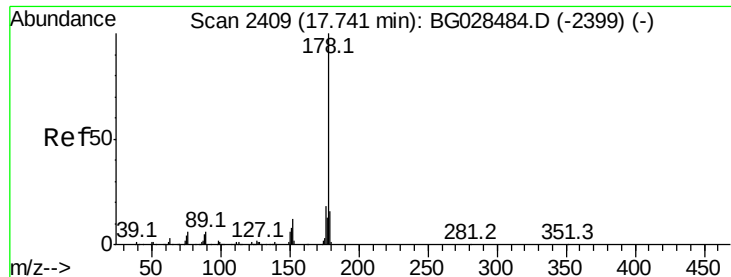
Ion Ratio Lower Upper

169 100

168 11.5 59.1 88.7#

167 10.8 29.7 44.5#





#69

Phenanthrene

Concen: 21.376 ng/ul

RT: 17.75 min Scan# 2410

Delta R.T. 0.01 min

Lab File: BG028493.D

Acq: 25 Aug 2017 15:45

Instrument :

BNA_G

ClientSampleId :

B0AT3

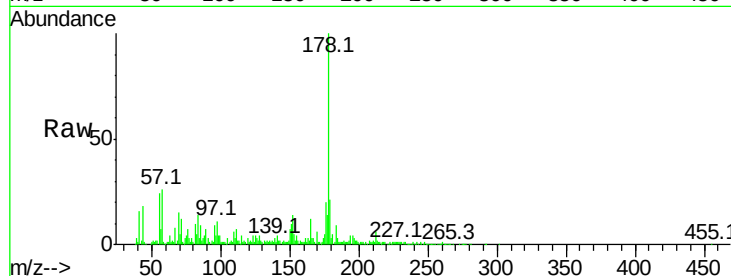
Tot Ion:178 Resp: 294701

Ion Ratio Lower Upper

178 100

179 20.8 12.4 18.6#

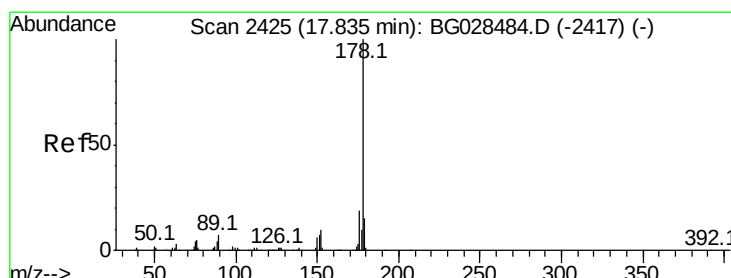
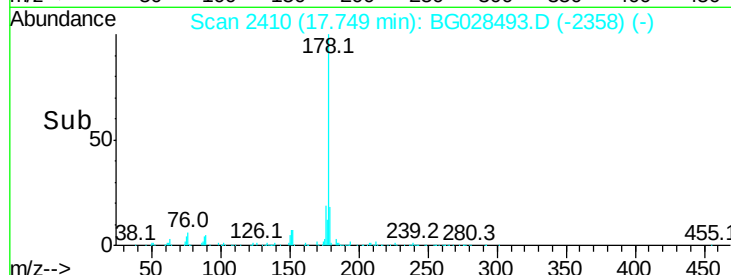
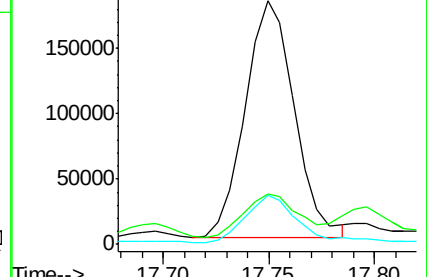
176 20.0 16.5 24.7



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: 1.942 ng/ul

RT: 17.84 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BG028493.D

Acq: 25 Aug 2017 15:45

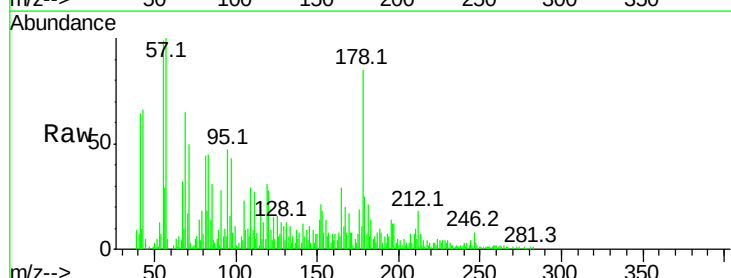
Tgt Ion:178 Resp: 27362

Ion Ratio Lower Upper

178 100

179 29.1 12.6 19.0#

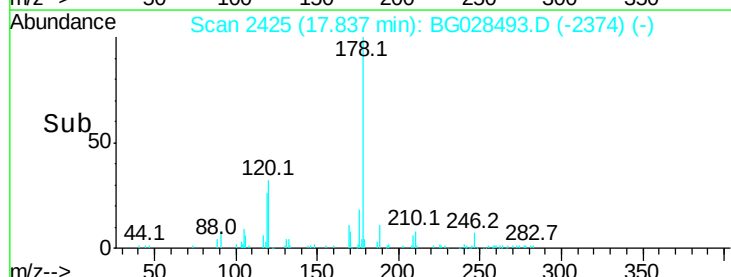
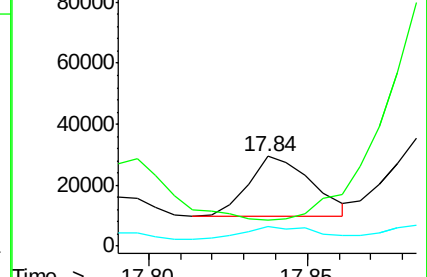
176 21.9 15.9 23.9

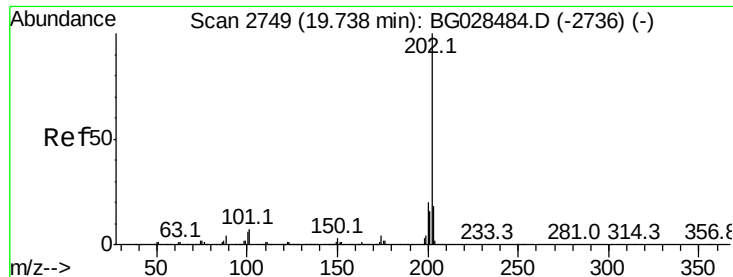


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 5.974 ng/ul

RT: 19.74 min Scan# 2749

Delta R.T. 0.00 min

Lab File: BG028493.D

Acq: 25 Aug 2017 15:45

Instrument :

BNA_G

ClientSampleId :

B0AT3

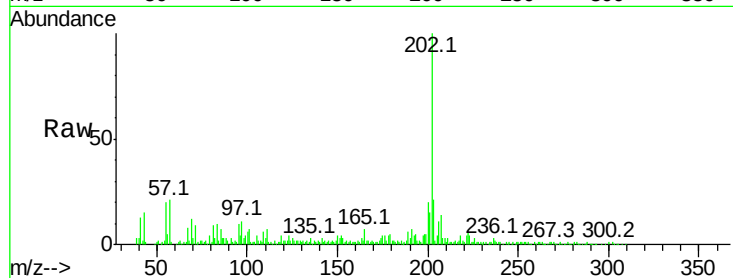
Tot Ion:202 Resp: 100083

Ion Ratio Lower Upper

202 100

101 7.4 6.2 9.2

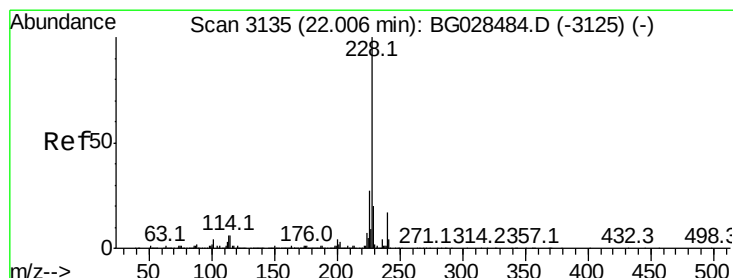
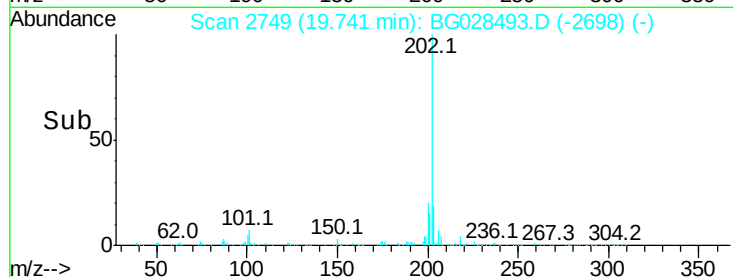
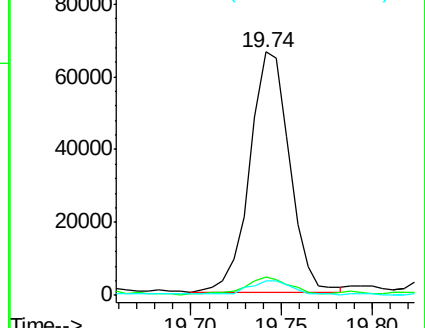
100 5.9 5.2 7.8



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



#80

Benzo(a)anthracene

Concen: 2.577 ng/ul

RT: 22.01 min Scan# 3135

Delta R.T. 0.00 min

Lab File: BG028493.D

Acq: 25 Aug 2017 15:45

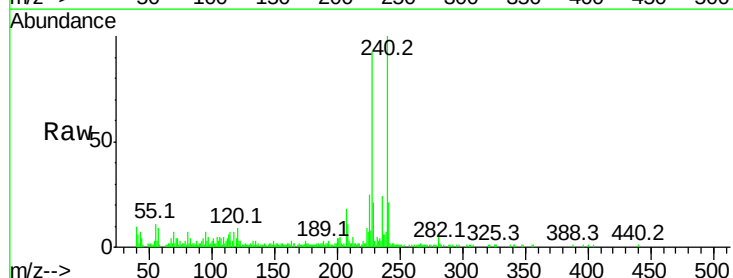
Tgt Ion:228 Resp: 46713

Ion Ratio Lower Upper

228 100

229 22.1 16.3 24.5

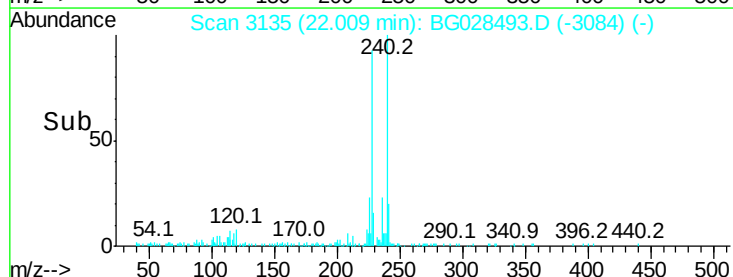
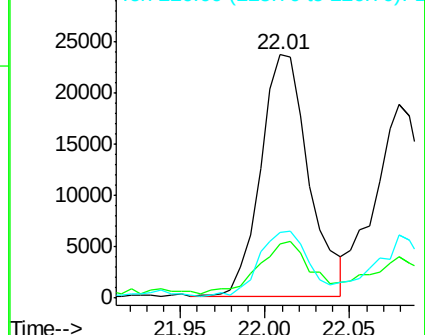
226 27.0 21.9 32.9

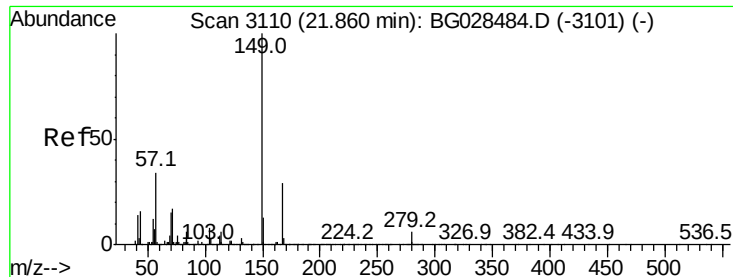


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 2.843 ng/ul

RT: 21.86 min Scan# 3110

Delta R.T. 0.00 min

Lab File: BG028493.D

Acq: 25 Aug 2017 15:45

Instrument :

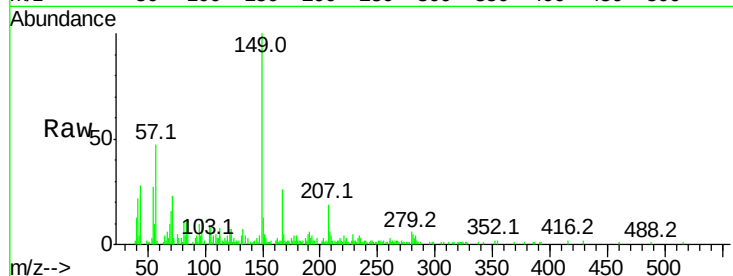
BNA_G

ClientSampleId :

B0AT3

Tot Ion:149 Resp: 28346

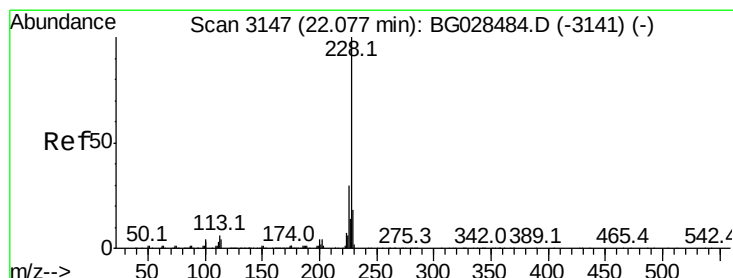
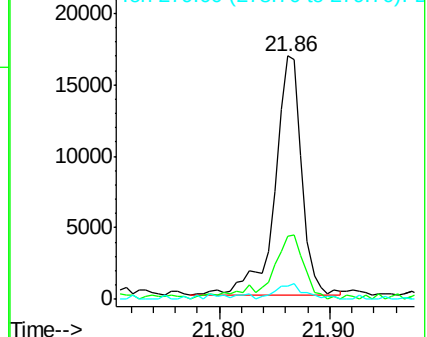
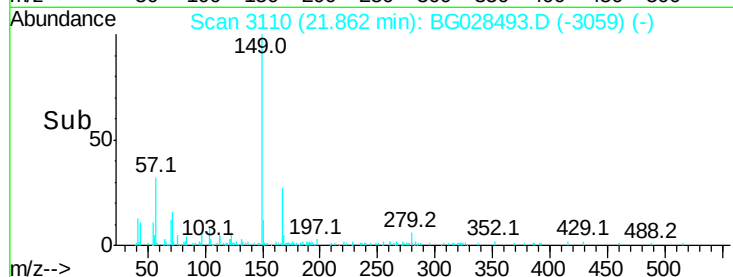
Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.8	32.8
279	5.5	4.5	6.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 2.385 ng/ul

RT: 22.08 min Scan# 3147

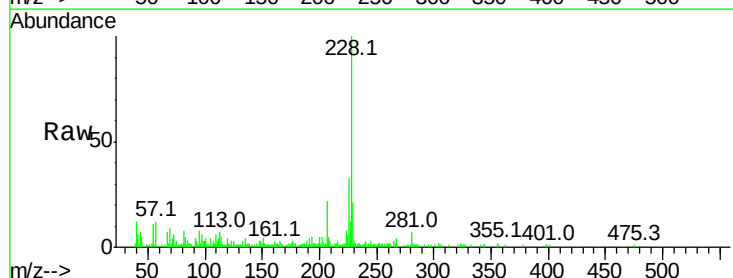
Delta R.T. 0.00 min

Lab File: BG028493.D

Acq: 25 Aug 2017 15:45

Tgt Ion:228 Resp: 38932

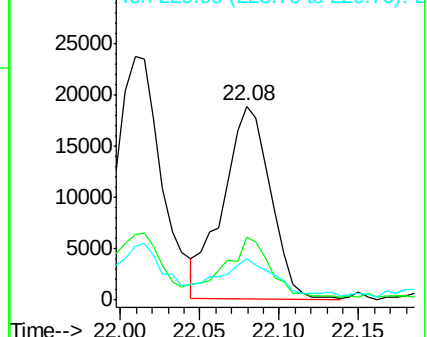
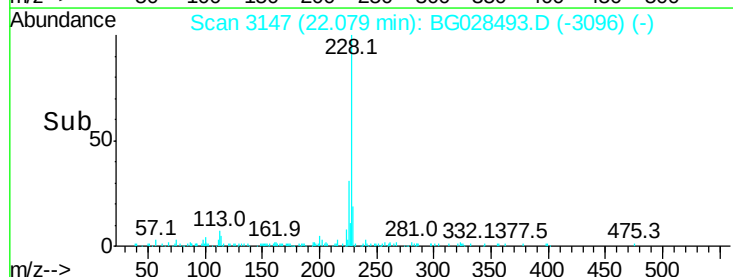
Ion	Ratio	Lower	Upper
228	100		
226	32.8	24.0	36.0
229	21.1	16.9	25.3

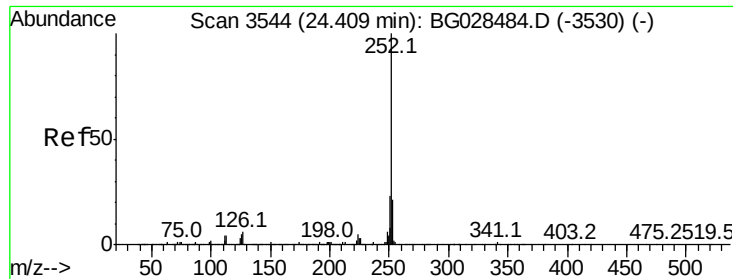


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 2.442 ng/ul

RT: 24.42 min Scan# 3546

Delta R.T. 0.01 min

Lab File: BG028493.D

Acq: 25 Aug 2017 15:45

Instrument :

BNA_G

ClientSampleId :

B0AT3

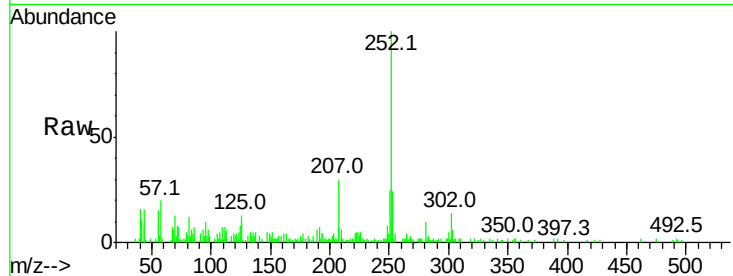
Tot Ion:252 Resp: 46277

Ion Ratio Lower Upper

252 100

253 24.0 17.7 26.5

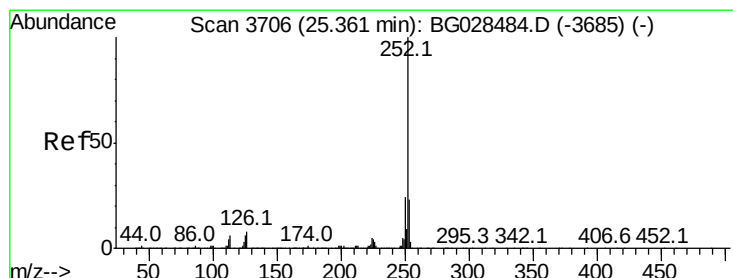
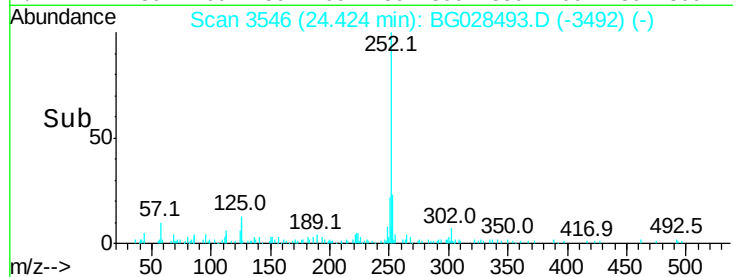
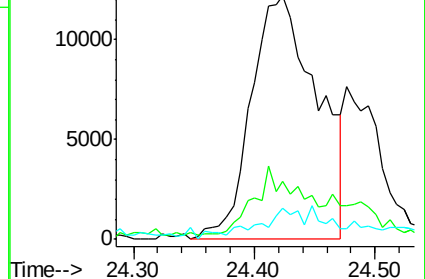
125 13.0 4.0 6.0#



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



#88

Benzo(a)pyrene

Concen: 1.750 ng/ul

RT: 25.38 min Scan# 3708

Delta R.T. 0.01 min

Lab File: BG028493.D

Acq: 25 Aug 2017 15:45

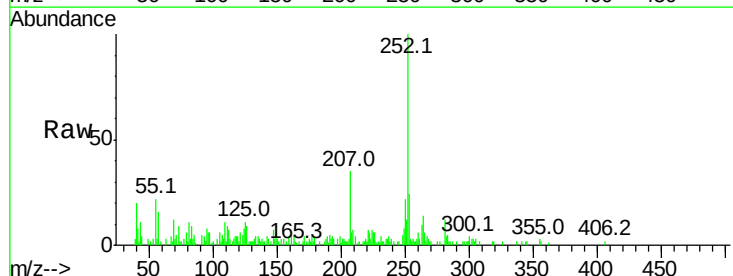
Tgt Ion:252 Resp: 32115

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

125 15.6 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

