

Data File : BG041939.D
Acq On : 4 Aug 2019 12:29
Operator : HP/JU
Sample : K3850-02
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENP1

Quant Time: Aug 05 01:23:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 05 01:19:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	105370	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	421647	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.70	164	291576	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.48	188	551150	20.00	ng/ul	0.03
77) Chrysene-d12	21.72	240	13743	20.00	ng/ul	0.00
85) Perylene-d12	24.92	264	705320	20.00	ng/ul	-0.08

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	6615	2.75	ng/uL	0.00
5) Phenol-d5	7.18	99	172406	20.85	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	94187	20.37	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	157776	22.32	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	147363	21.23	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	81854	25.79	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	93828	25.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	173718	23.35	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	241962	29.31	ng/ul	0.00
43) Dimethylphthalate-d6	14.10	166	460134	20.35	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	599779	23.22	ng/ul	0.00
51) 4-Nitrophenol-d4	14.89	143	80763	21.27	ng/ul	0.01
57) Fluorene-d10	15.70	176	424240	21.09	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.80	200	696	0.20	ng/ul	0.00
70) Anthracene-d10	17.59	188	640806	24.23	ng/ul	0.04
78) Pyrene-d10	19.87	212	746752	973.71	ng/ul	0.04
89) Benzo(a)pyrene-d12	24.92	264	705320	19.14	ng/ul	0.15

Target Compounds

					Qvalue	
4) Benzaldehyde	7.17	77	4247	1.087	ng/ul#	1
17) Hexachloroethane	9.16	117	20089	6.770	ng/ul#	1
28) Naphthalene	10.92	128	2839266	131.716	ng/ul#	89
34) 2-Methylnaphthalene	12.53	142	2659891	155.248	ng/ul	96
40) 1,1'-Biphenyl	13.53	154	552247	26.048	ng/ul	97
42) 2-Nitroaniline	13.73	65	22023	4.931	ng/ul#	30
44) Dimethylphthalate	14.15	163	24853	1.107	ng/ul#	91
47) Acenaphthylene	14.42	152	133652	5.126	ng/ul#	30
49) Acenaphthene	14.78	153	3423563	187.794	ng/ul#	87
53) Dibenzofuran	15.10	168	771512	28.356	ng/ul#	87
54) 2,4-Dinitrotoluene	15.05	165	9678	1.363	ng/ul#	33
58) Fluorene	15.76	166	2892844	132.003	ng/ul#	96
60) 4-Nitroaniline	15.76	138	47330	10.907	ng/ul#	29
64) N-Nitrosodiphenylamine	15.97	169	404987	24.767	ng/ul#	18
69) Phenanthrene	17.56	178	10649833	352.960	ng/ul#	1
71) Anthracene	17.63	178	4443769	145.210	ng/ul#	18
74) Carbazole	17.87	167	832229	32.830	ng/ul#	85
75) Di-n-butylphthalate	18.43	149	56688	1.814	ng/ul#	1
76) Fluoranthene	19.57	202	8311583	238.411	ng/ul#	1
79) Pyrene	19.84	202	203557	220.197	ng/ul#	70
80) Butylbenzylphthalate	20.76	149	21424	58.880	ng/ul#	1
81) 3,3'-Dichlorobenzidine	21.63	252	48548	155.424	ng/ul#	43
82) Benzo(a)anthracene	21.68	228	191050	200.500	ng/ul#	1

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\
Quantitation Report (Not Reviewed)

Data File : BG041939.D
Acq On : 4 Aug 2019 12:29
Operator : HP/JU
Sample : K3850-02
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENP1

Quant Time: Aug 05 01:23:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 05 01:19:19 2019
Response via : Initial Calibration

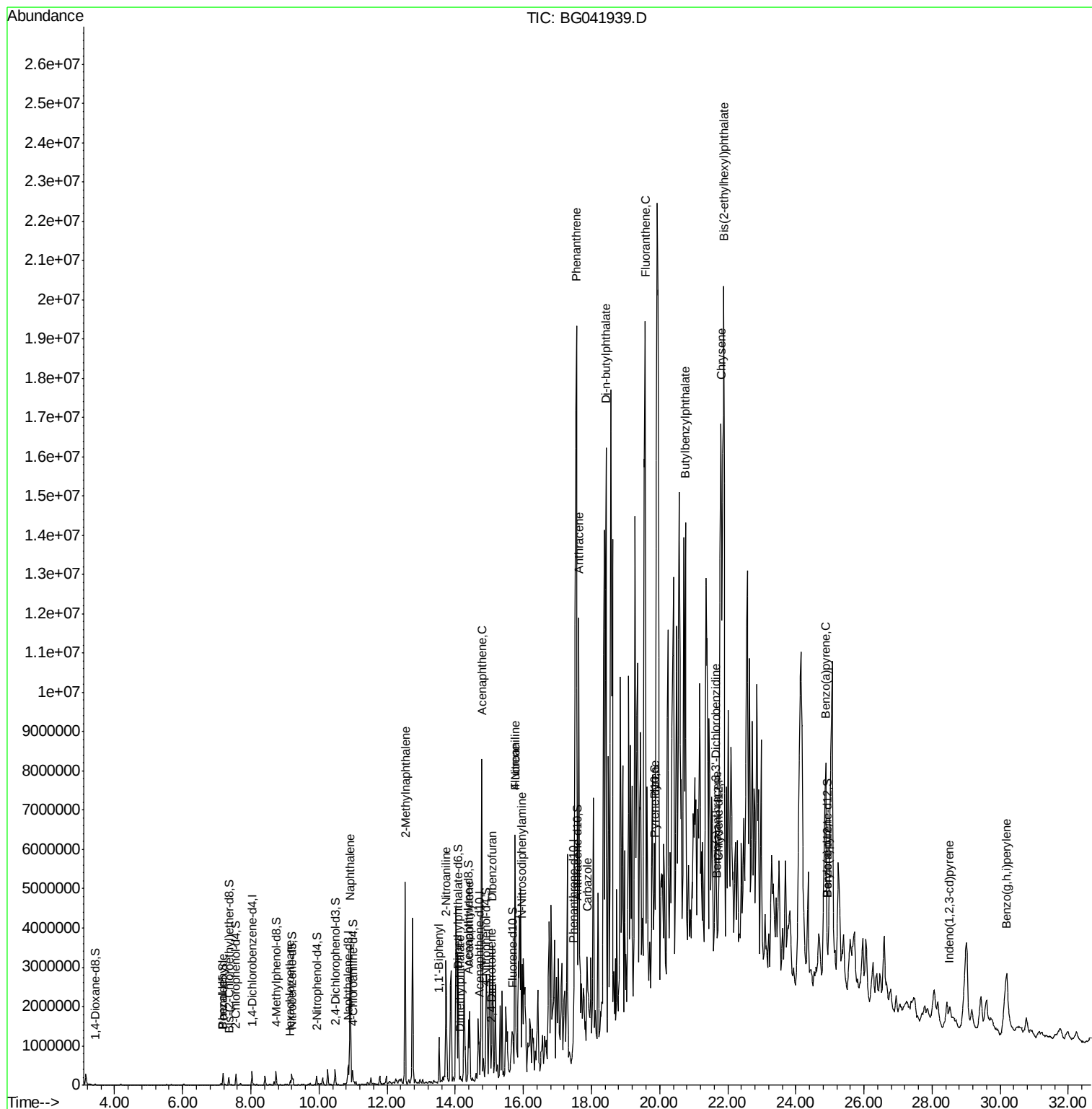
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Bis(2-ethylhexyl)phthalate	21.88	149	141897	285.814	ng/ul	92
84) Chrysene	21.80	228	10062699	11314.608	ng/ul#	12
90) Benzo(a)pyrene	24.87	252	8065286	191.218	ng/ul#	69
91) Indeno(1,2,3-cd)pyrene	28.52	276	148814	3.025	ng/ul#	89
93) Benzo(g,h,i)perylene	30.19	276	4412103	107.419	ng/ul	95

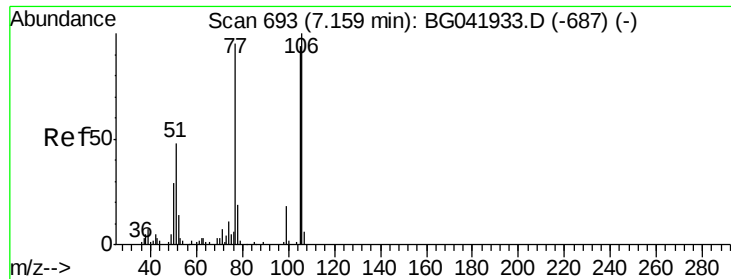
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : BG041939.D
Acq On : 4 Aug 2019 12:29
Operator : HP/JU
Sample : K3850-02
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
BENP1

Quant Time: Aug 05 01:23:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 05 01:19:19 2019
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.087 ng/ul

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

Instrument :

BNA_G

ClientSampleId :

BENP1

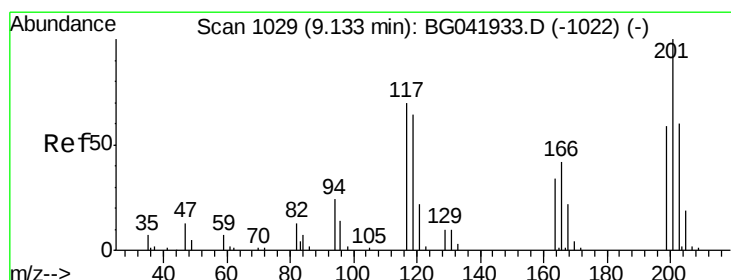
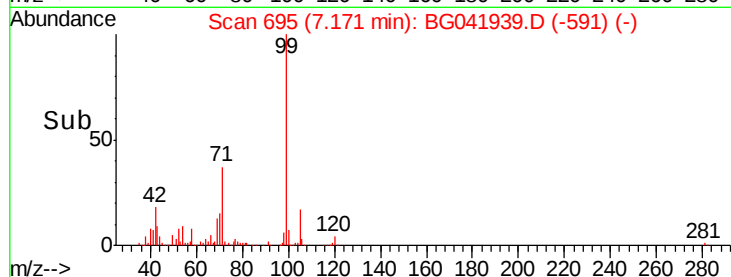
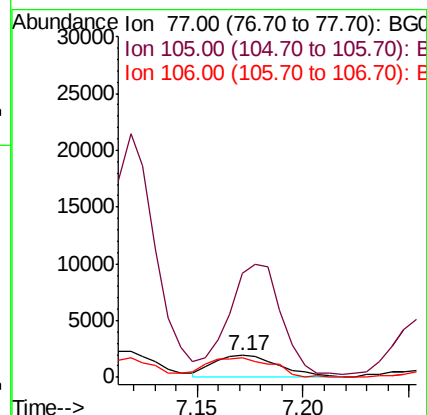
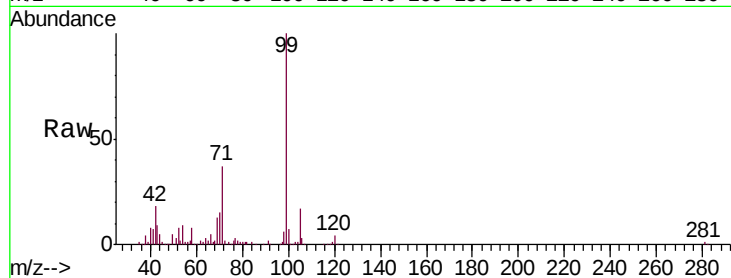
Tgt Ion: 77 Resp: 4247

Ion Ratio Lower Upper

77 100

105 480.4 80.7 121.1#

106 89.9 76.3 114.5



#17

Hexachloroethane

Concen: 6.770 ng/ul

RT: 9.16 min Scan# 1033

Delta R.T. 0.02 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

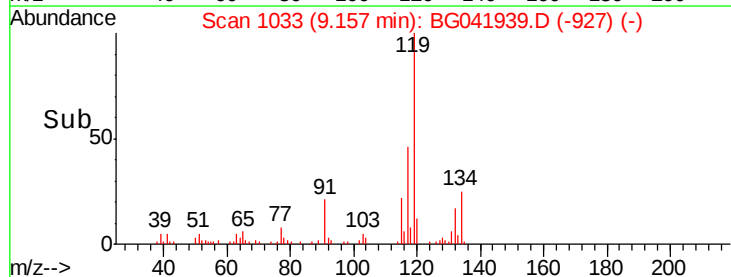
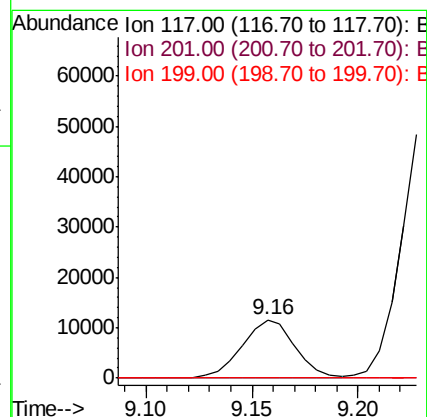
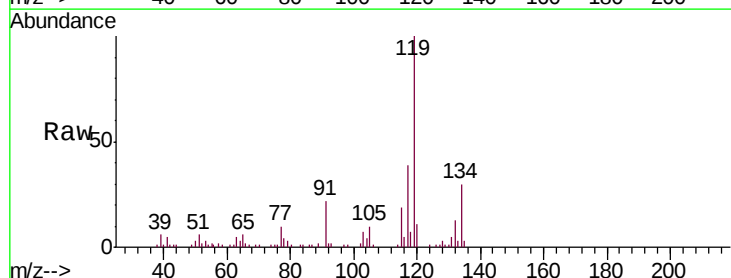
Tgt Ion: 117 Resp: 20089

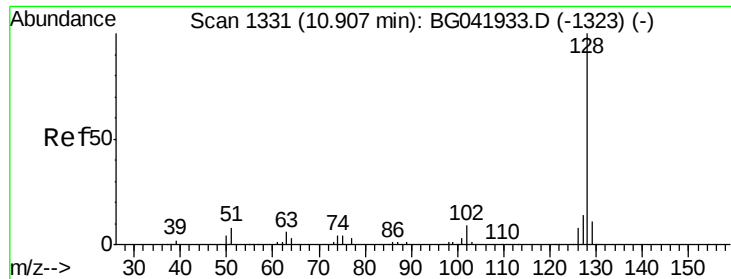
Ion Ratio Lower Upper

117 100

201 0.0 103.4 155.2#

199 0.0 62.9 94.3#





#28

Naphthalene

Concen: 131.716 ng/ul

RT: 10.92 min Scan# 1333

Delta R.T. 0.01 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

Instrument :

BNA_G

ClientSampleId :

BENP1

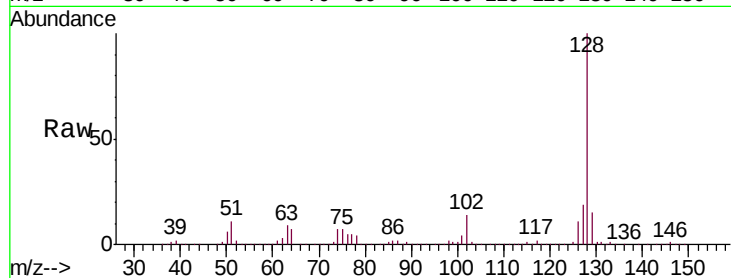
Tgt Ion:128 Resp: 2839266

Ion Ratio Lower Upper

128 100

129 15.4 9.5 14.3#

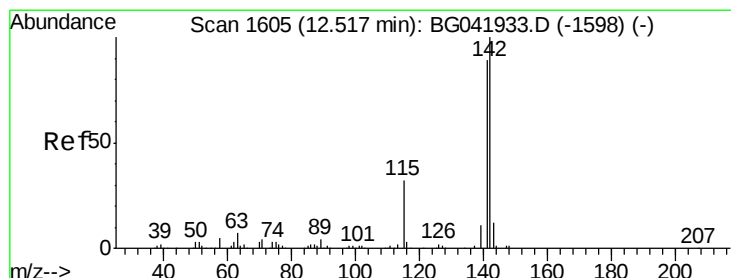
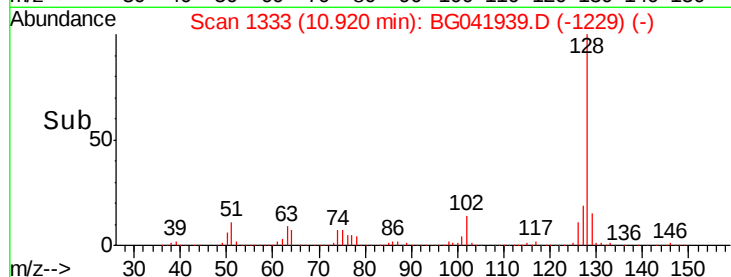
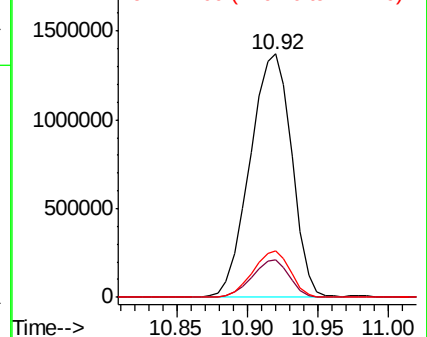
127 19.3 11.4 17.0#



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



#34

2-Methylnaphthalene

Concen: 155.248 ng/ul

RT: 12.53 min Scan# 1607

Delta R.T. 0.01 min

Lab File: BG041939.D

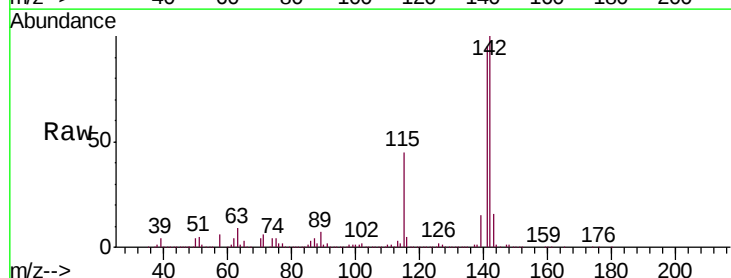
Acq: 4 Aug 2019 12:29

Tgt Ion:142 Resp: 2659891

Ion Ratio Lower Upper

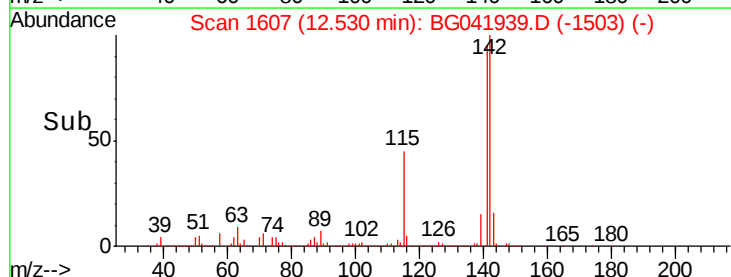
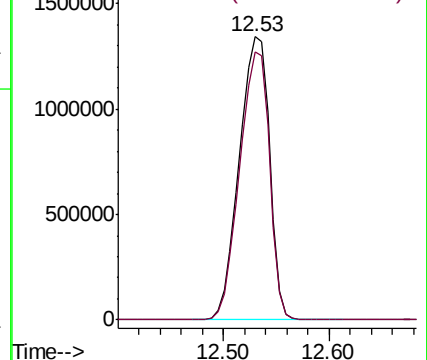
142 100

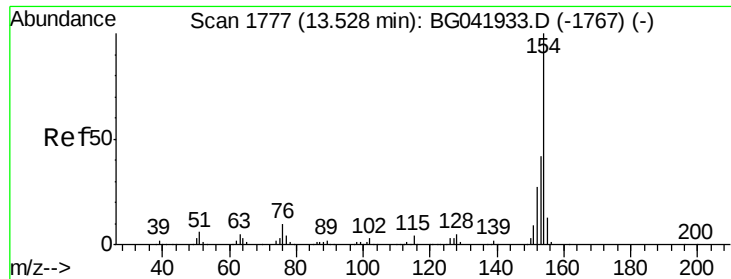
141 94.9 72.9 109.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

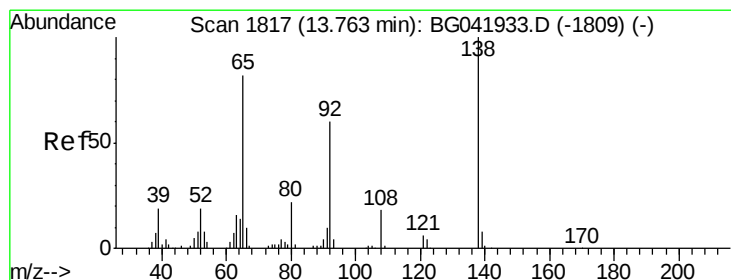
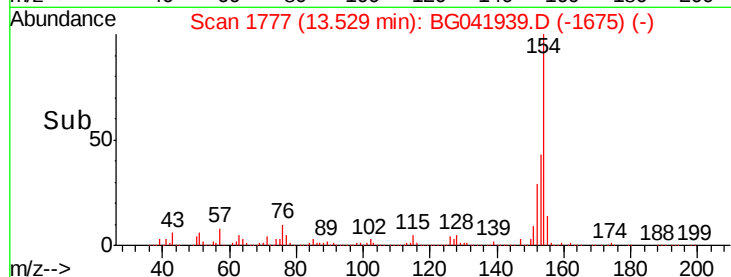
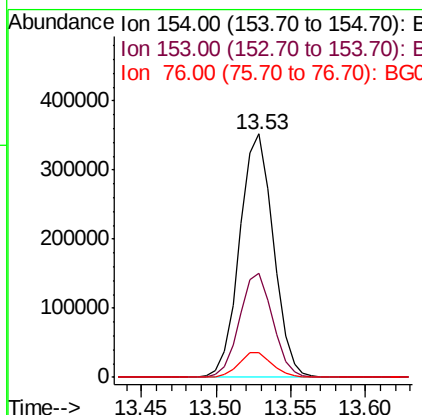
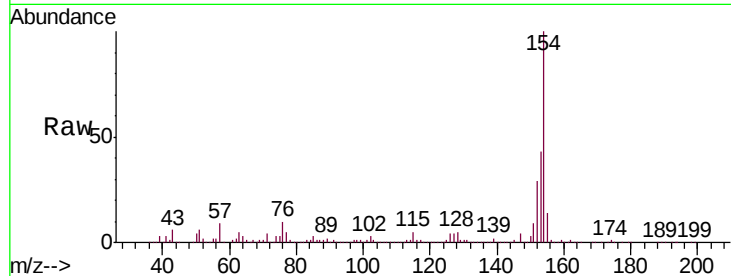




#40
 1,1'-Biphenyl
 Concen: 26.048 ng/ul
 RT: 13.53 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: BG041939.D
 Acq: 4 Aug 2019 12:29

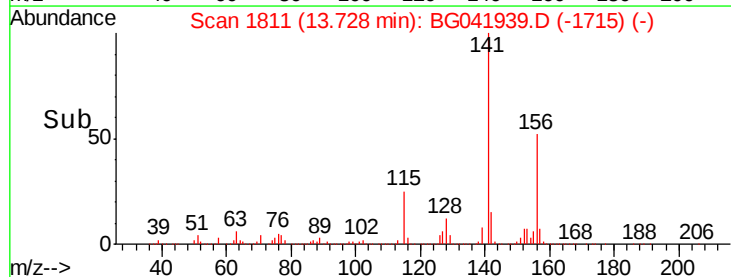
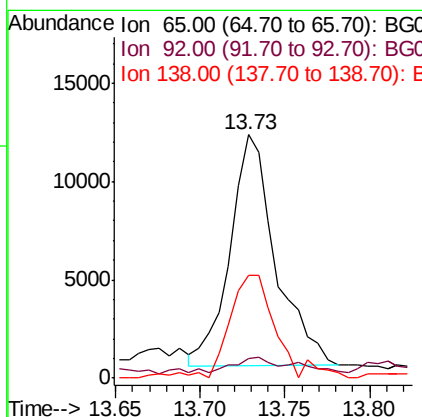
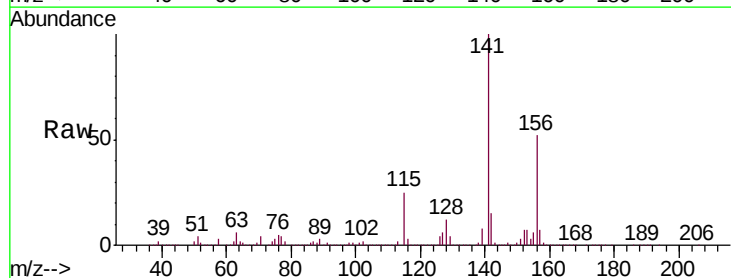
Instrument :
 BNA_G
 ClientSampleId :
 BENP1

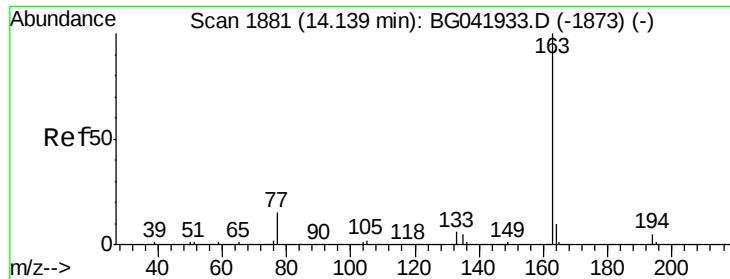
Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.0	32.6	48.8
76	10.0	8.6	13.0



#42
 2-Nitroaniline
 Concen: 4.931 ng/ul
 RT: 13.73 min Scan# 1811
 Delta R.T. -0.03 min
 Lab File: BG041939.D
 Acq: 4 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
65	100		
92	7.9	51.6	77.4#
138	42.2	94.1	141.1#

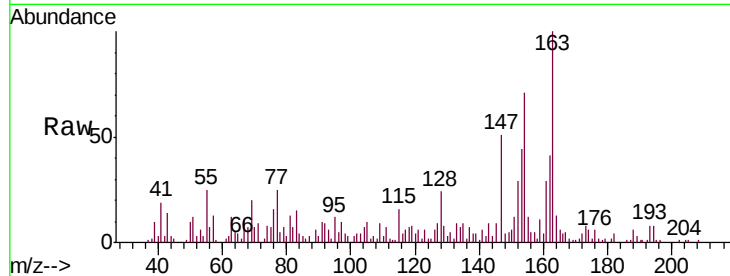




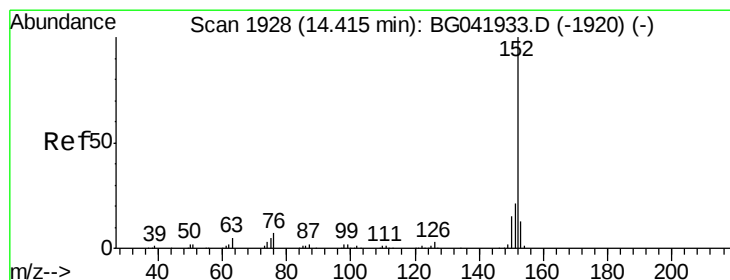
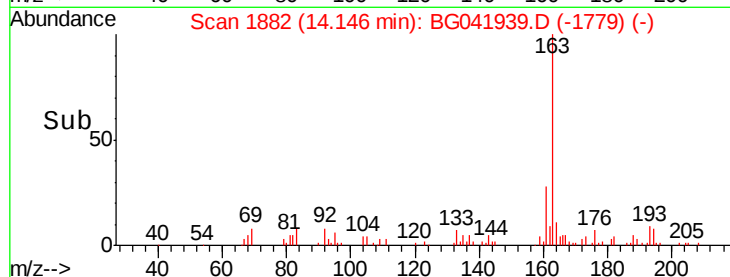
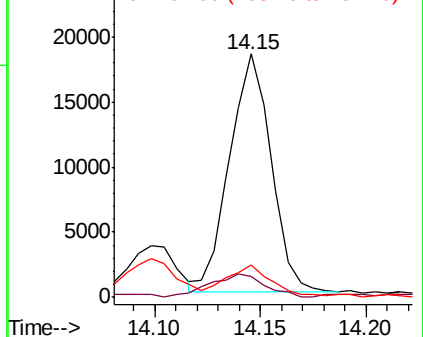
#44
Dimethylphthalate
Concen: 1.107 ng/ul
RT: 14.15 min Scan# 1882
Delta R.T. 0.01 min
Lab File: BG041939.D
Acq: 4 Aug 2019 12:29

Instrument :
BNA_G
ClientSampleId :
BENP1

Tgt Ion:163 Resp: 24853
Ion Ratio Lower Upper
163 100
194 8.4 4.2 6.2#
164 13.2 7.8 11.8#

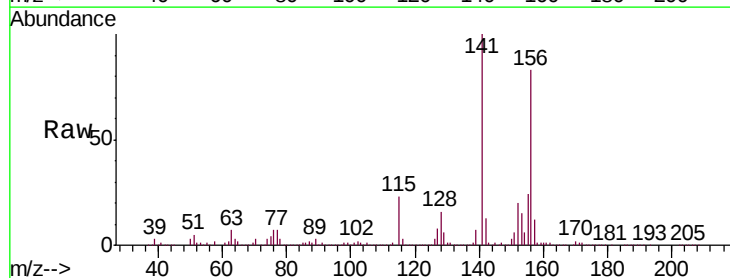


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

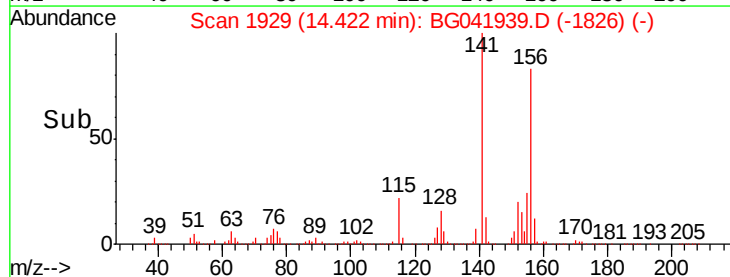
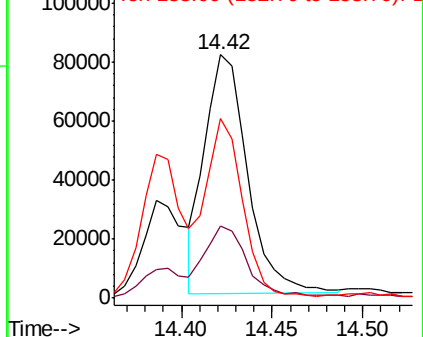


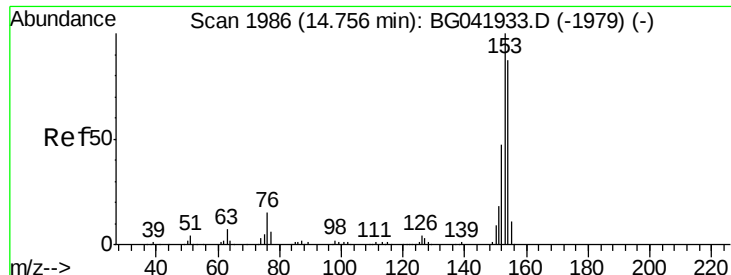
#47
Acenaphthylene
Concen: 5.126 ng/ul
RT: 14.42 min Scan# 1929
Delta R.T. 0.01 min
Lab File: BG041939.D
Acq: 4 Aug 2019 12:29

Tgt Ion:152 Resp: 133652
Ion Ratio Lower Upper
152 100
151 29.7 16.8 25.2#
153 73.9 10.3 15.5#



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





#49

Acenaphthene

Concen: 187.794 ng/ul

RT: 14.78 min Scan# 1990

Delta R.T. 0.02 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

Instrument :

BNA_G

ClientSampleId :

BENP1

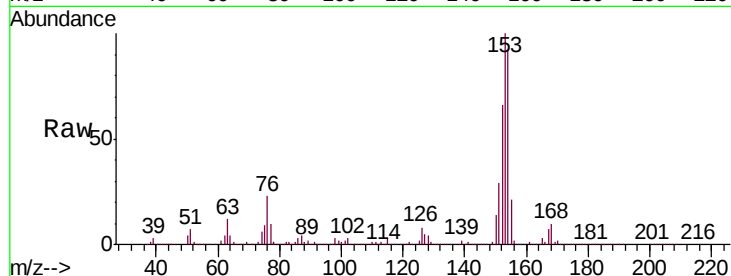
Tgt Ion:153 Resp: 3423563

Ion Ratio Lower Upper

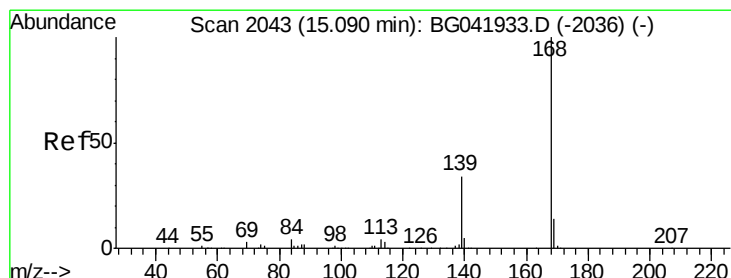
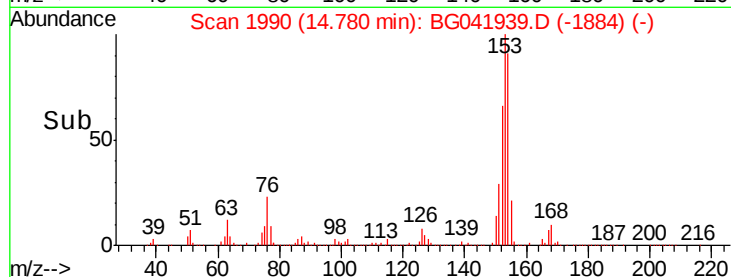
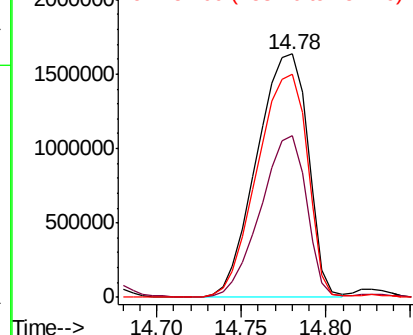
153 100

152 66.4 37.8 56.8#

154 91.7 69.4 104.2



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: 28.356 ng/ul

RT: 15.10 min Scan# 2044

Delta R.T. 0.01 min

Lab File: BG041939.D

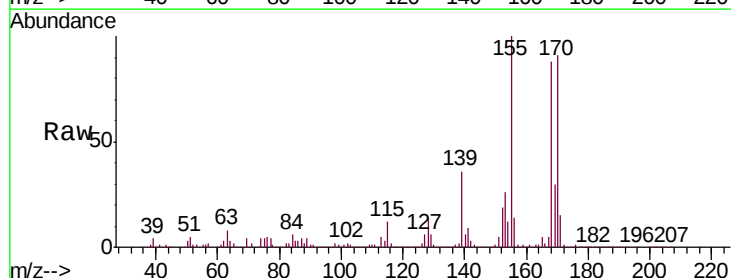
Acq: 4 Aug 2019 12:29

Tgt Ion:168 Resp: 771512

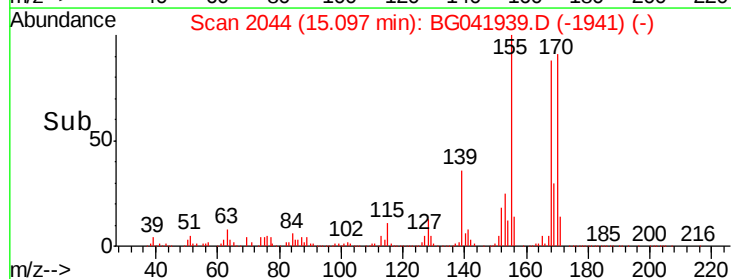
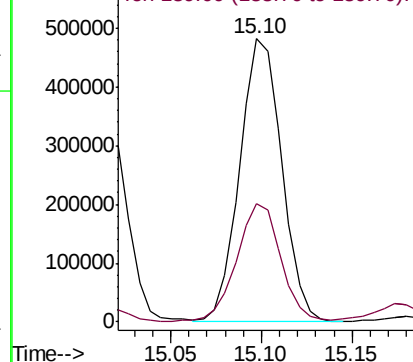
Ion Ratio Lower Upper

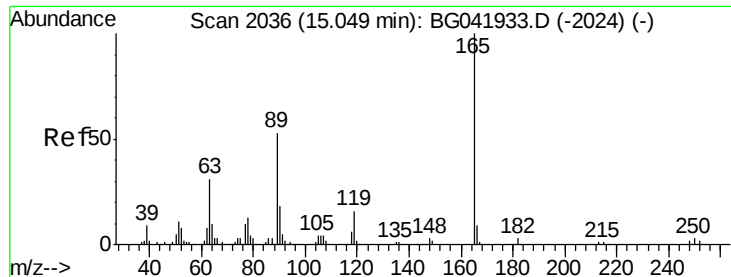
168 100

139 41.6 27.3 40.9#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E

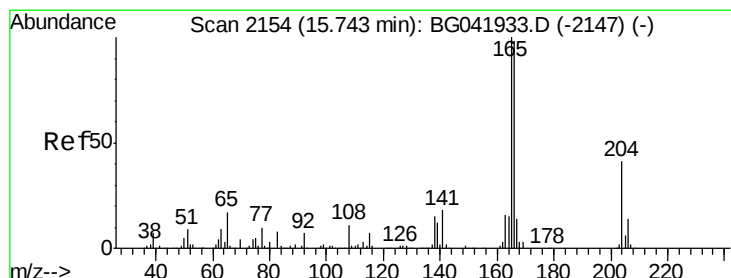
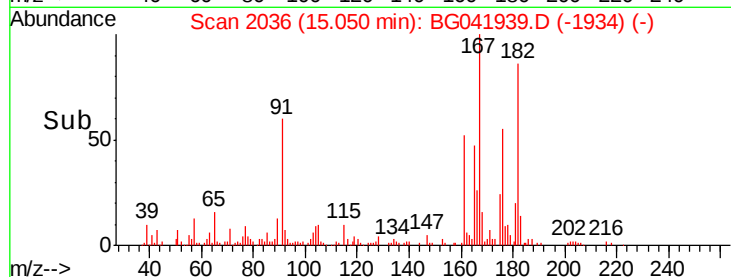
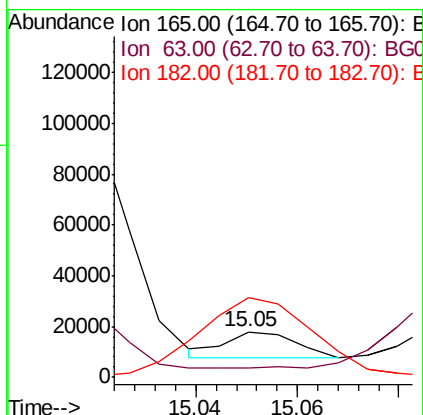
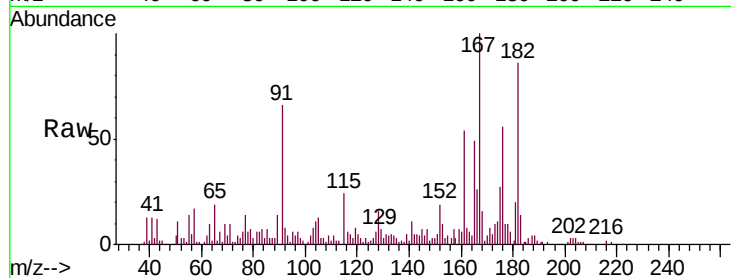




#54
2,4-Dinitrotoluene
Concen: 1.363 ng/ul
RT: 15.05 min Scan# 2036
Delta R.T. 0.00 min
Lab File: BG041939.D
Acq: 4 Aug 2019 12:29

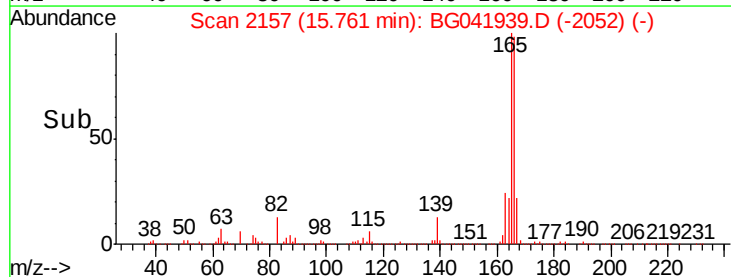
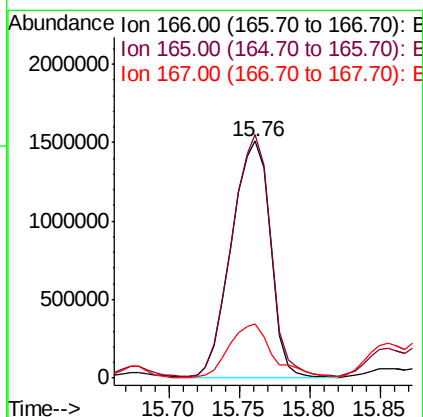
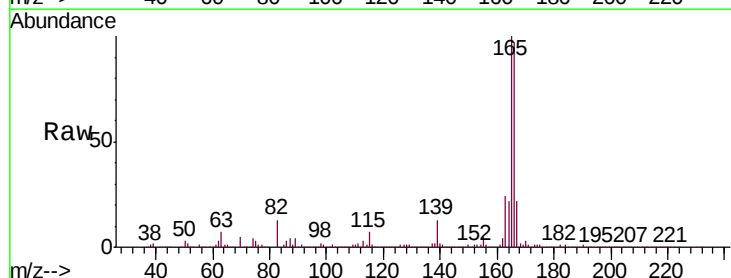
Instrument :
BNA_G
ClientSampleId :
BENP1

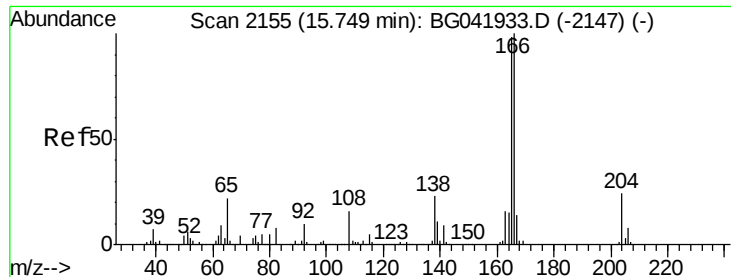
Tgt Ion:165 Resp: 9678
Ion Ratio Lower Upper
165 100
63 21.1 29.4 44.2#
182 175.7 2.6 4.0#



#58
Fluorene
Concen: 132.003 ng/ul
RT: 15.76 min Scan# 2157
Delta R.T. 0.02 min
Lab File: BG041939.D
Acq: 4 Aug 2019 12:29

Tgt Ion:166 Resp: 2892844
Ion Ratio Lower Upper
166 100
165 102.7 81.1 121.7
167 22.7 11.0 16.4#

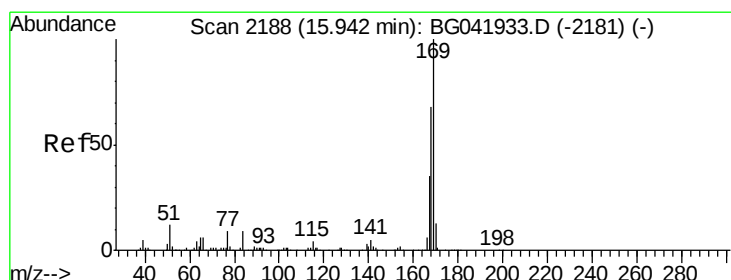
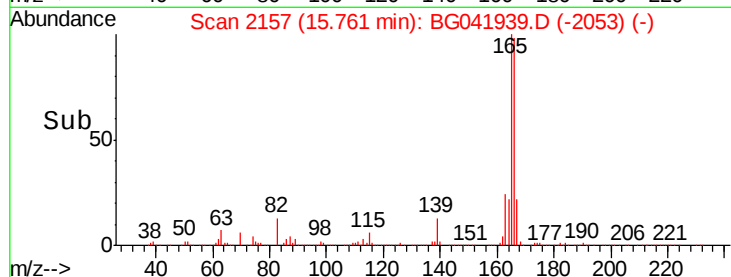
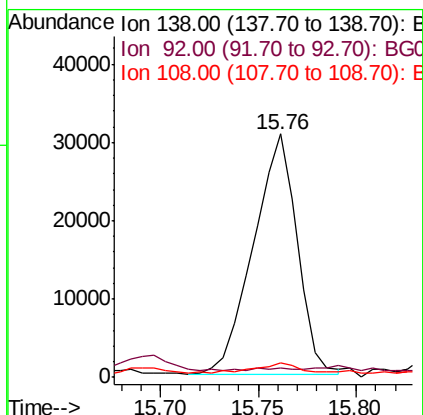
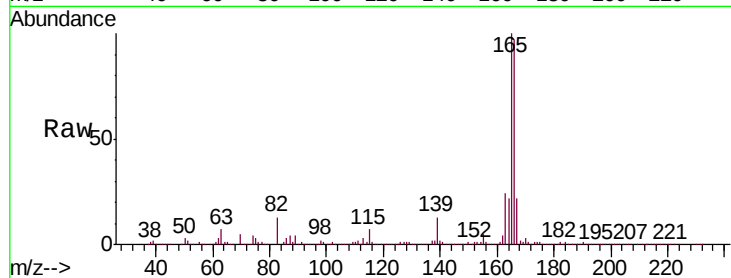




#60
4-Nitroaniline
Concen: 10.907 ng/ul
RT: 15.76 min Scan# 2157
Delta R.T. 0.01 min
Lab File: BG041939.D
Acq: 4 Aug 2019 12:29

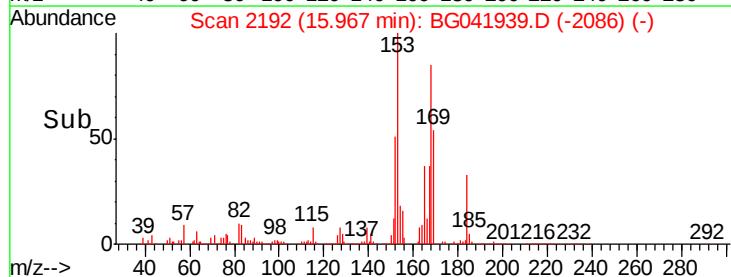
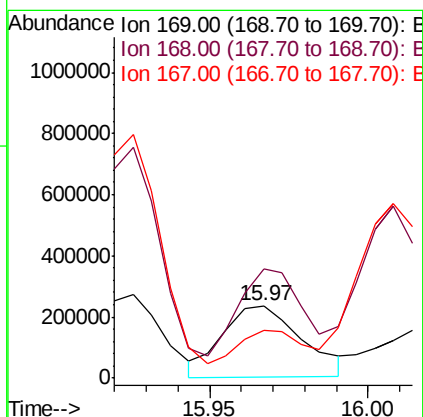
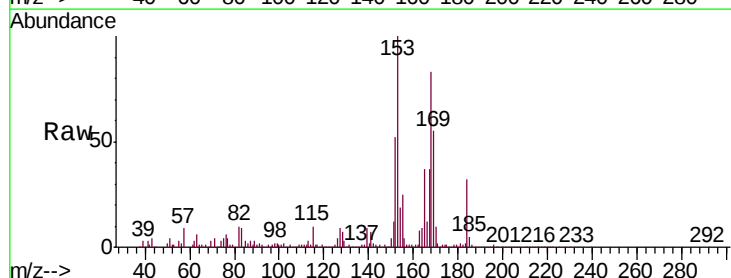
Instrument :
BNA_G
ClientSampleId :
BENP1

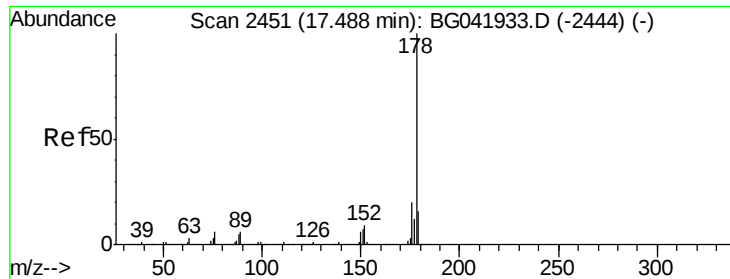
Tgt Ion:138 Resp: 47330
Ion Ratio Lower Upper
138 100
92 3.7 34.6 51.8#
108 5.9 54.2 81.2#



#64
N-Nitrosodiphenylamine
Concen: 24.767 ng/ul
RT: 15.97 min Scan# 2192
Delta R.T. 0.02 min
Lab File: BG041939.D
Acq: 4 Aug 2019 12:29

Tgt Ion:169 Resp: 404987
Ion Ratio Lower Upper
169 100
168 149.8 55.0 82.4#
167 66.0 29.5 44.3#

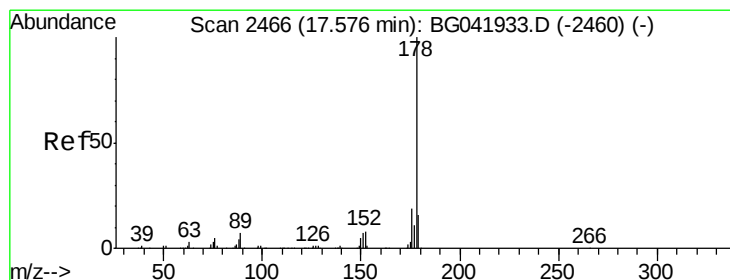
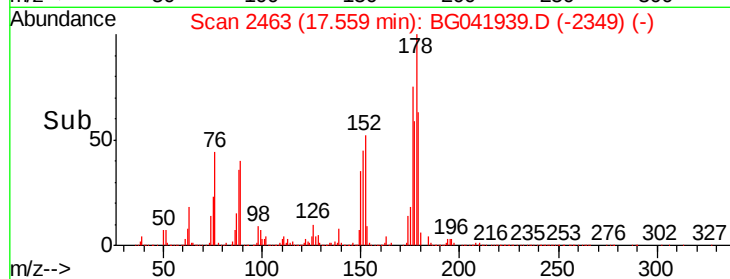
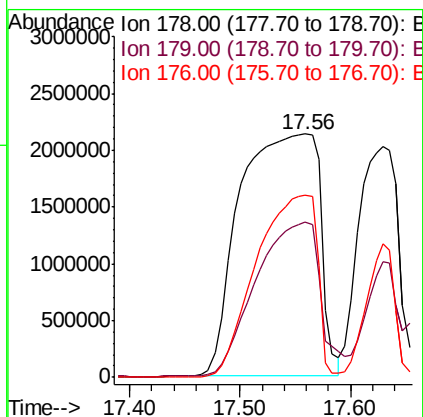
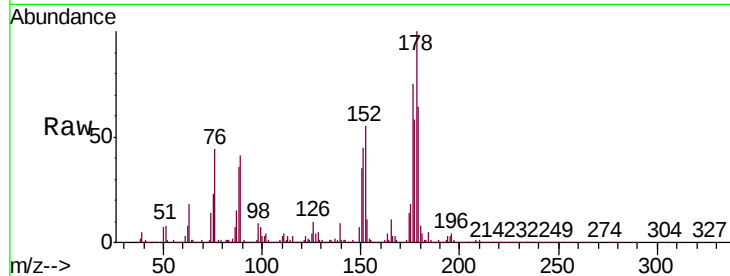




#69
Phenanthrene
Concen: 352.960 ng/ul
RT: 17.56 min Scan# 2463
Delta R.T. 0.07 min
Lab File: BG041939.D
Acq: 4 Aug 2019 12:29

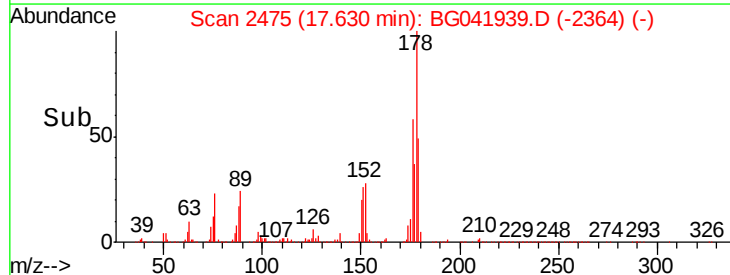
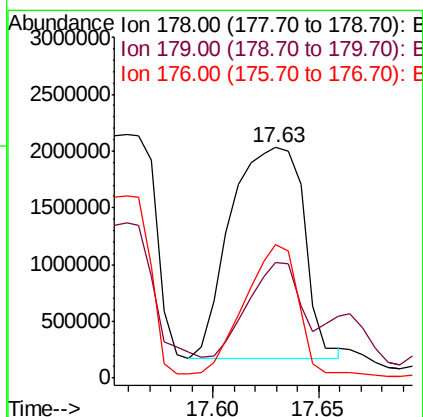
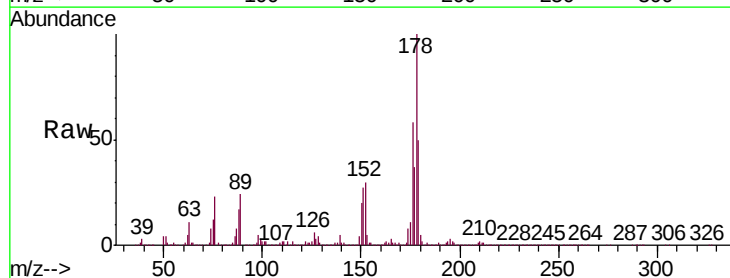
Instrument :
BNA_G
ClientSampleId :
BENP1

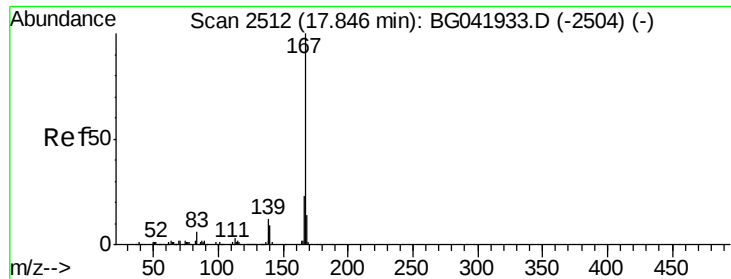
Tgt Ion:178 Resp:10649833
Ion Ratio Lower Upper
178 100
179 63.5 12.8 19.2#
176 74.9 15.4 23.2#



#71
Anthracene
Concen: 145.210 ng/ul
RT: 17.63 min Scan# 2475
Delta R.T. 0.05 min
Lab File: BG041939.D
Acq: 4 Aug 2019 12:29

Tgt Ion:178 Resp: 4443769
Ion Ratio Lower Upper
178 100
179 50.2 13.4 20.0#
176 58.0 15.4 23.2#





#74

Carbazole

Concen: 32.830 ng/ul

RT: 17.87 min Scan# 2516

Delta R.T. 0.02 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

Instrument :

BNA_G

ClientSampleId :

BENP1

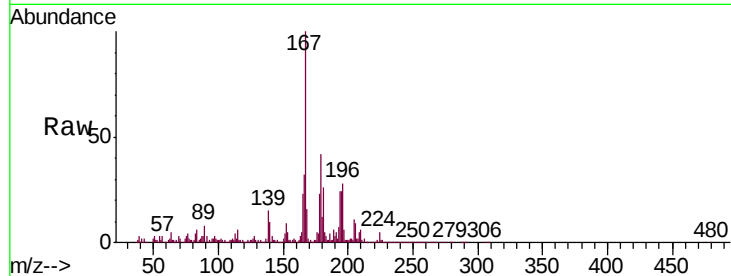
Tgt Ion:167 Resp: 832229

Ion Ratio Lower Upper

167 100

166 32.1 18.2 27.4#

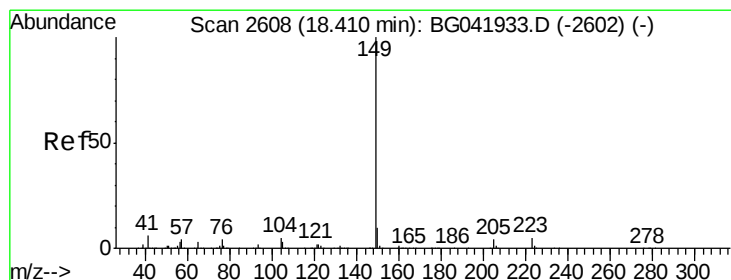
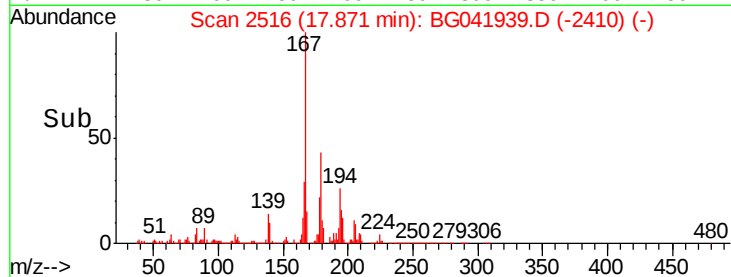
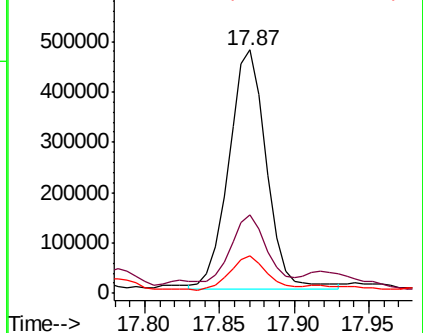
139 15.3 9.6 14.4#



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



#75

Di-n-butylphthalate

Concen: 1.814 ng/ul

RT: 18.43 min Scan# 2611

Delta R.T. 0.02 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

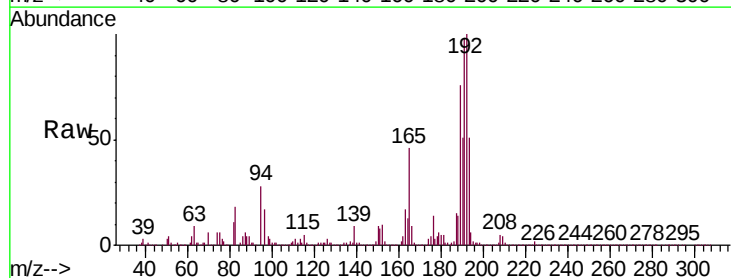
Tgt Ion:149 Resp: 56688

Ion Ratio Lower Upper

149 100

150 501.9 8.3 12.5#

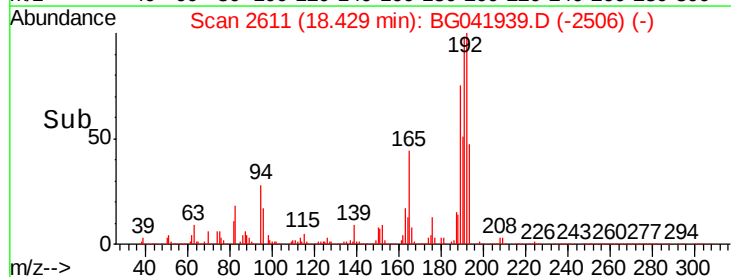
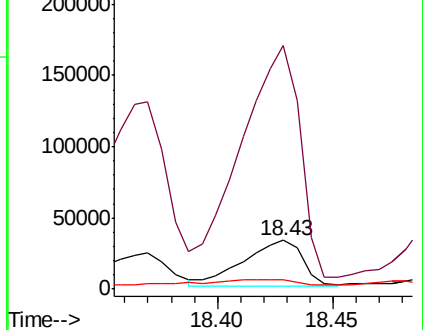
104 18.4 3.9 5.9#

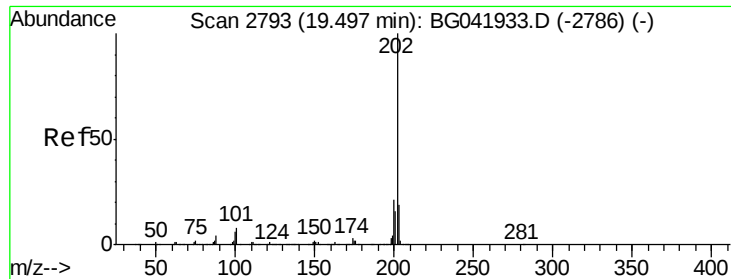


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#76

Fluoranthene

Concen: 238.411 ng/ul

RT: 19.57 min Scan# 2806

Delta R.T. 0.08 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

Instrument :

BNA_G

ClientSampled :

BENP1

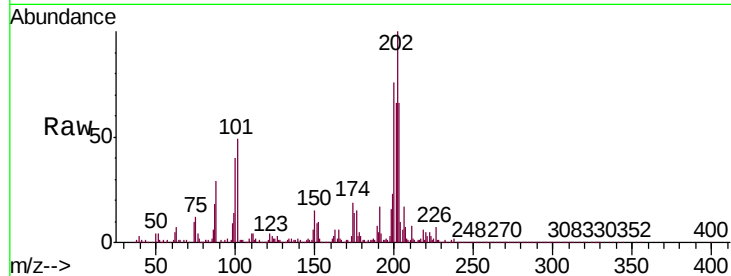
Tgt Ion:202 Resp: 8311583

Ion Ratio Lower Upper

202 100

101 49.1 6.7 10.1#

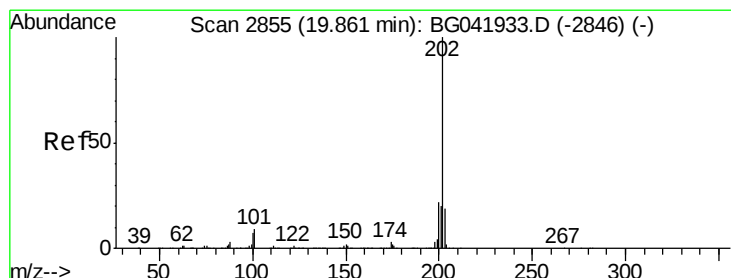
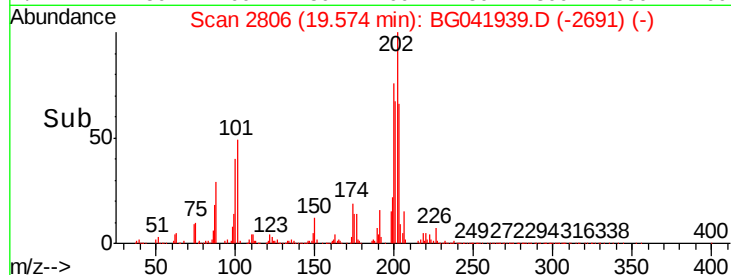
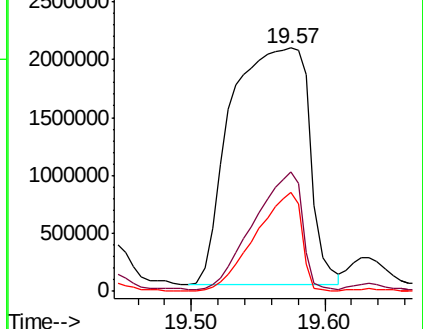
100 40.4 5.3 7.9#



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



#79

Pyrene

Concen: 220.197 ng/ul

RT: 19.84 min Scan# 2852

Delta R.T. -0.02 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

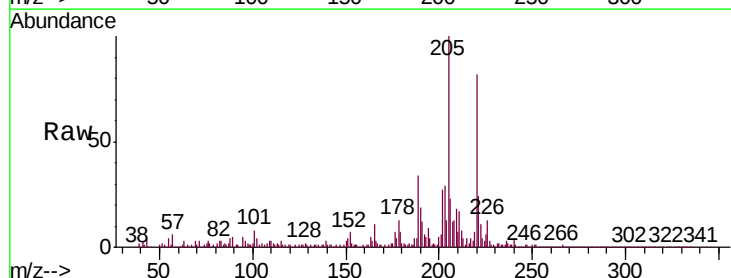
Tgt Ion:202 Resp: 203557

Ion Ratio Lower Upper

202 100

101 29.5 7.6 11.4#

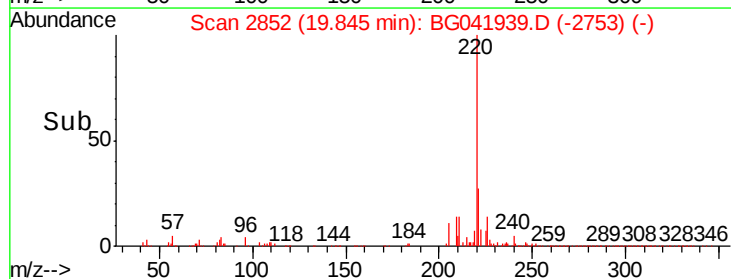
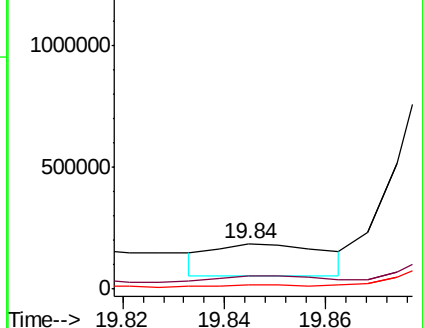
100 8.1 6.5 9.7

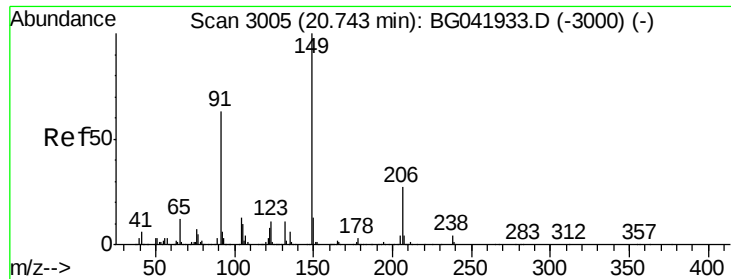


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Butylbenzylphthalate

Concen: 58.880 ng/ul

RT: 20.76 min Scan# 3007

Delta R.T. 0.01 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

Instrument :

BNA_G

ClientSampleId :

BENP1

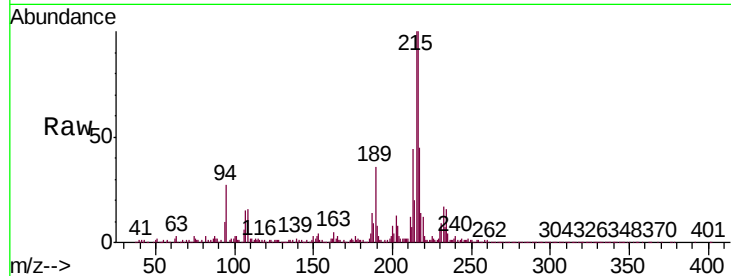
Tgt Ion:149 Resp: 21424

Ion Ratio Lower Upper

149 100

91 85.6 49.5 74.3#

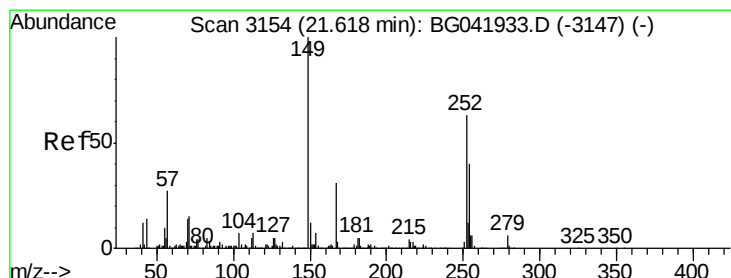
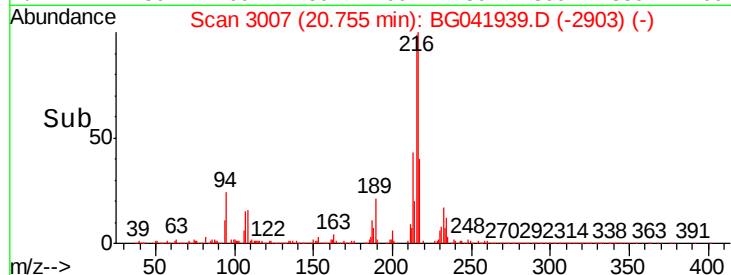
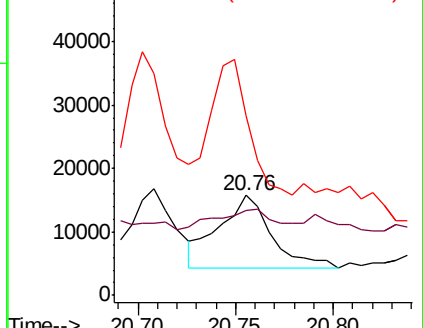
206 180.3 21.3 31.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BGC

Ion 206.00 (205.70 to 206.70): E



#81

3,3'-Dichlorobenzidine

Concen: 155.424 ng/ul

RT: 21.63 min Scan# 3156

Delta R.T. 0.01 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

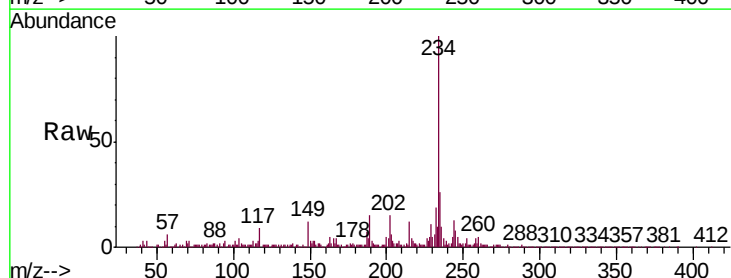
Tgt Ion:252 Resp: 48548

Ion Ratio Lower Upper

252 100

254 19.8 53.1 79.7#

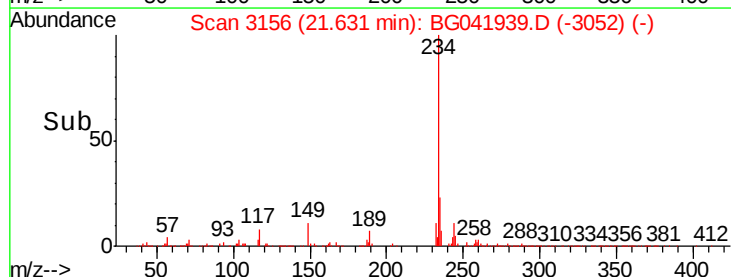
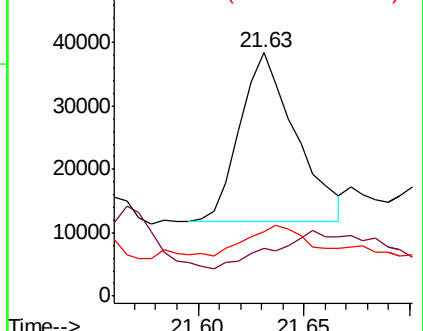
126 26.5 6.9 10.3#

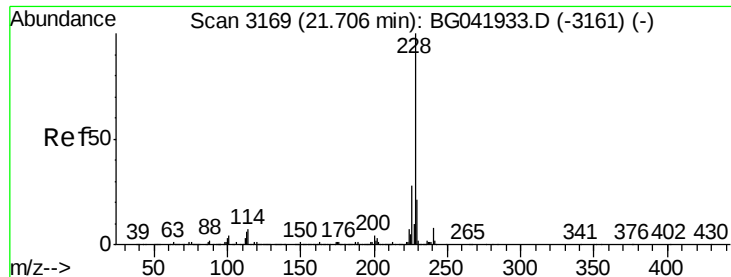


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

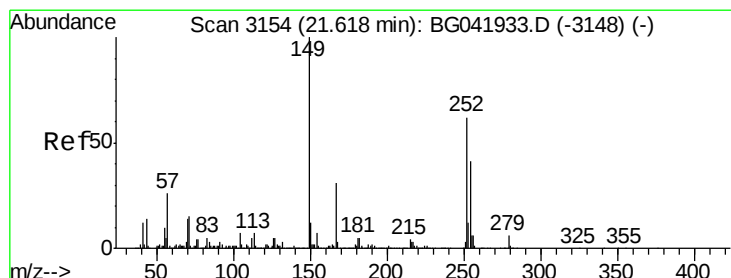
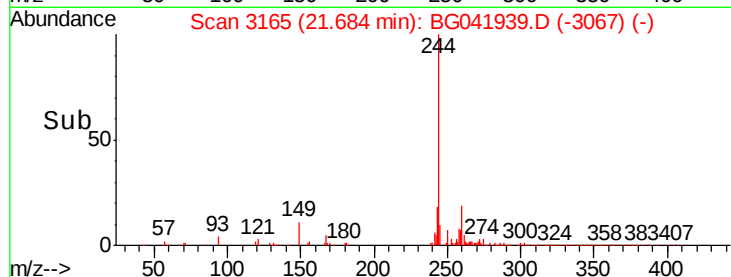
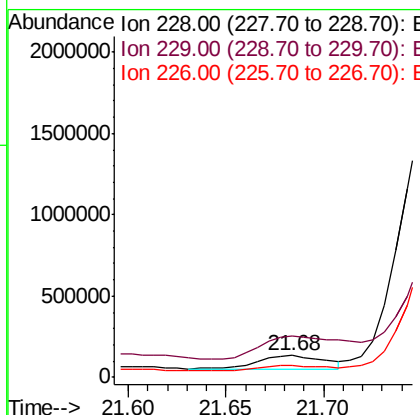
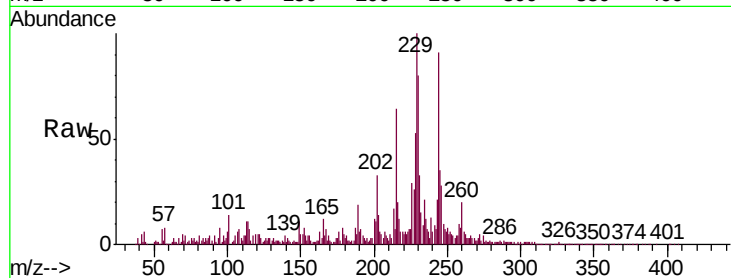




#82
Benzo(a)anthracene
Concen: 200.500 ng/ul
RT: 21.68 min Scan# 3165
Delta R.T. -0.02 min
Lab File: BG041939.D
Acq: 4 Aug 2019 12:29

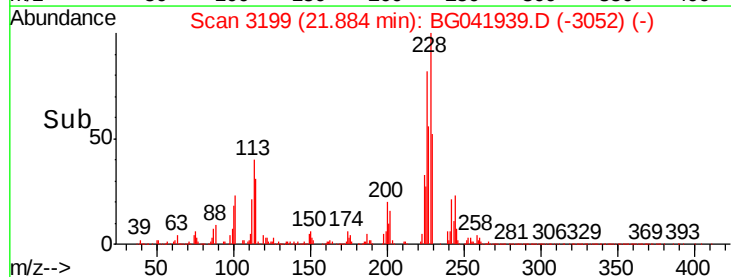
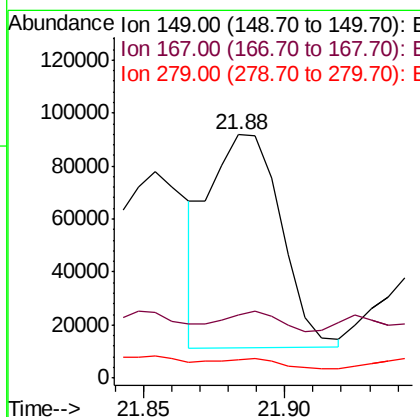
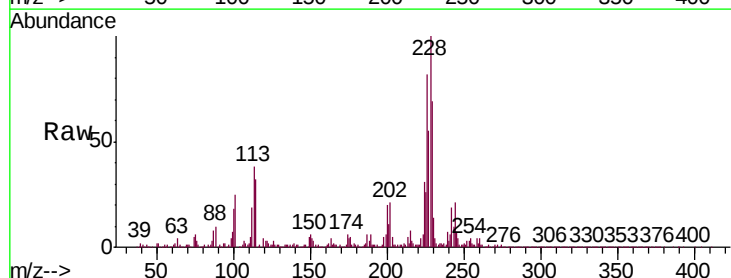
Instrument :
BNA_G
ClientSampleId :
BENP1

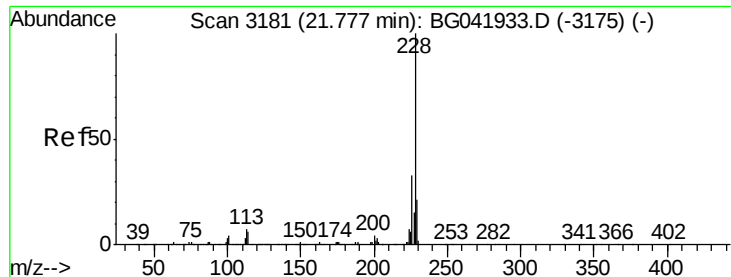
Tgt Ion	Ratio	Lower	Upper
228	100		
229	188.2	17.0	25.6#
226	55.2	23.3	34.9#



#83
Bis(2-ethylhexyl)phthalate
Concen: 285.814 ng/ul
RT: 21.88 min Scan# 3199
Delta R.T. 0.27 min
Lab File: BG041939.D
Acq: 4 Aug 2019 12:29

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.1	25.0	37.4
279	7.7	5.2	7.8





#84

Chrysene

Concen: 11314.608 ng/u1

RT: 21.80 min Scan# 3185

Delta R.T. 0.02 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

Instrument :

BNA_G

ClientSampleId :

BENP1

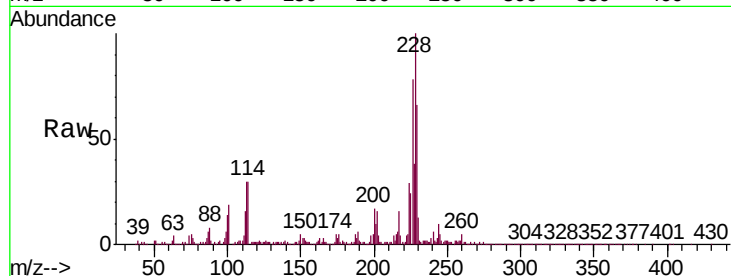
Tgt Ion:228 Resp:10062699

Ion Ratio Lower Upper

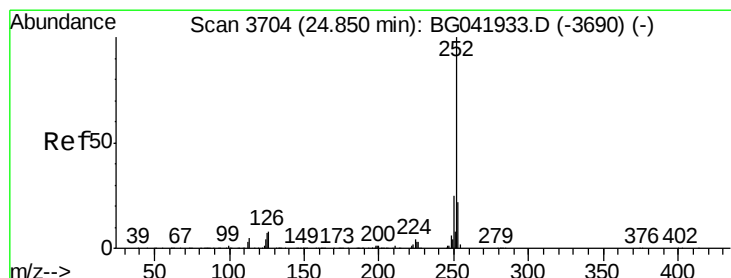
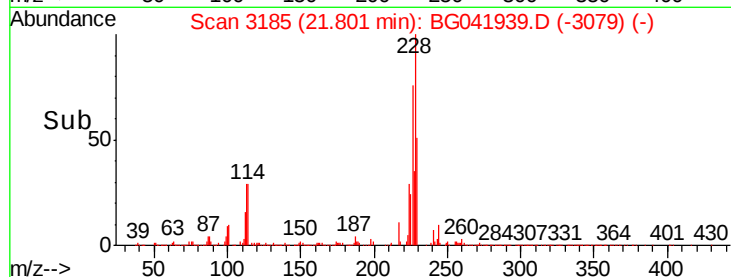
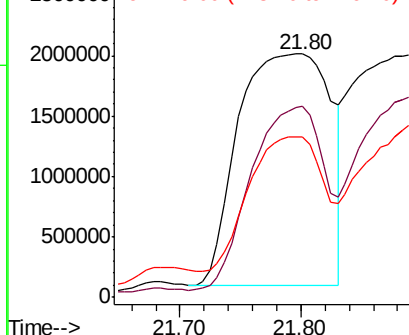
228 100

226 78.4 25.7 38.5#

229 65.7 16.6 24.8#



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



#90

Benzo(a)pyrene

Concen: 191.218 ng/u1

RT: 24.87 min Scan# 3708

Delta R.T. 0.02 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

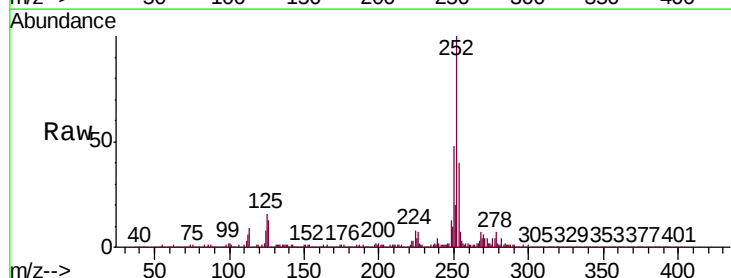
Tgt Ion:252 Resp: 8065286

Ion Ratio Lower Upper

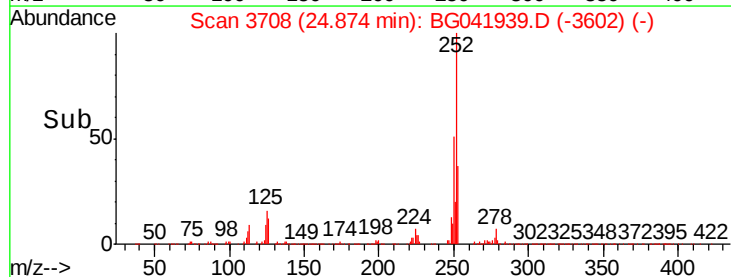
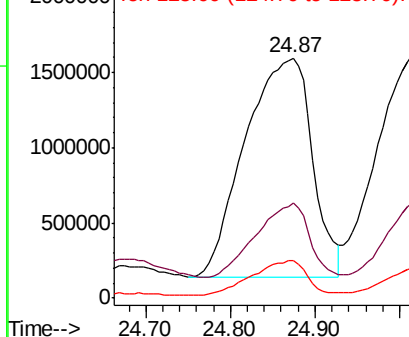
252 100

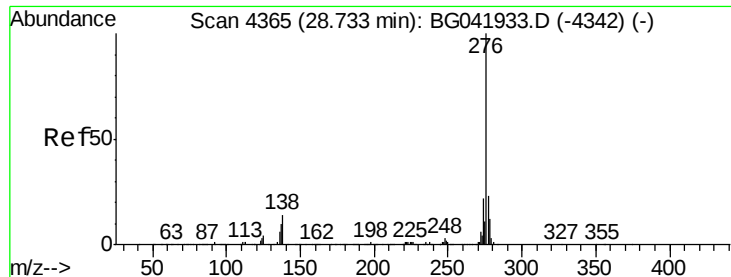
253 39.6 18.3 27.5#

125 15.6 6.5 9.7#



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





#91

Indeno(1,2,3-cd)pyrene

Concen: 3.025 ng/ul

RT: 28.52 min Scan# 4328

Delta R.T. -0.22 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

Instrument :

BNA_G

ClientSampleId :

BENP1

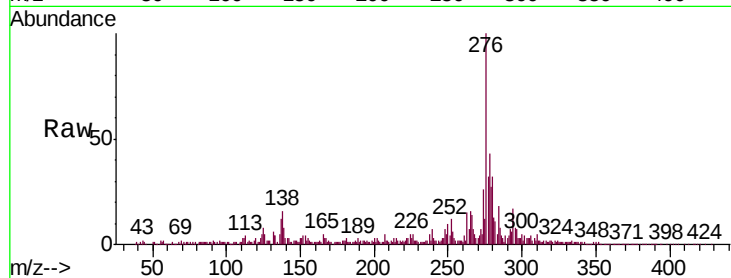
Tgt Ion:276 Resp: 148814

Ion Ratio Lower Upper

276 100

138 16.0 12.0 18.0

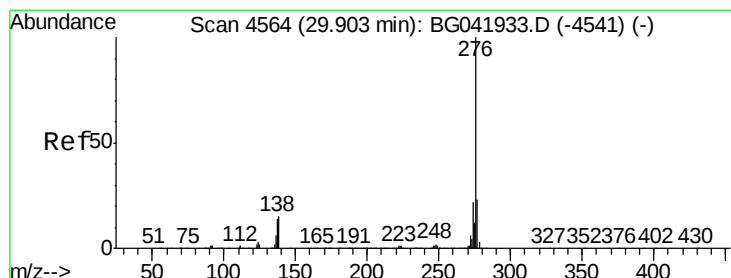
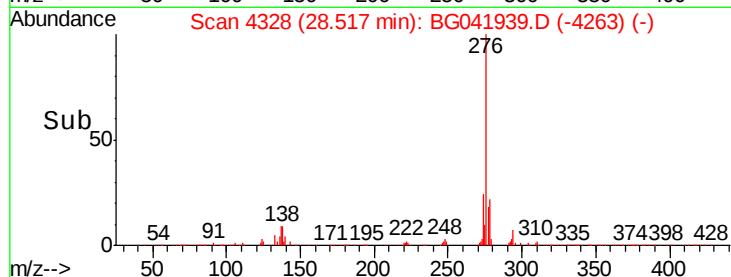
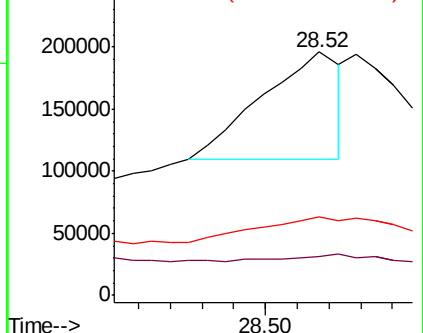
277 32.2 19.2 28.8#



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



#93

Benzo(g,h,i)perylene

Concen: 107.419 ng/ul

RT: 30.19 min Scan# 4613

Delta R.T. 0.29 min

Lab File: BG041939.D

Acq: 4 Aug 2019 12:29

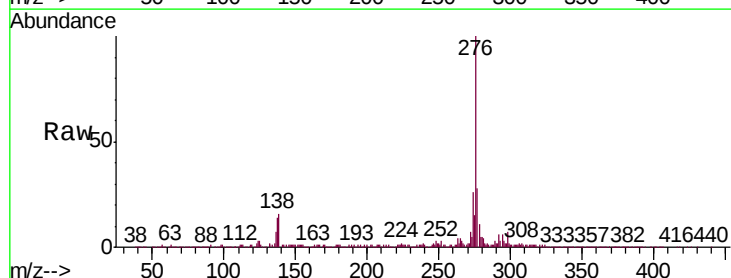
Tgt Ion:276 Resp: 4412103

Ion Ratio Lower Upper

276 100

138 15.7 12.6 18.8

277 28.3 19.2 28.8



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

