

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082519\
 Data File : BG042477.D
 Acq On : 25 Aug 2019 14:30
 Operator : HP/JU
 Sample : K4451-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TWP-1-B-1

Quant Time: Aug 26 15:53:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	51328	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	207116	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	159553	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	348827	20.00	ng	0.00
76) Chrysene-d12	21.70	240	379603	20.00	ng	0.00
87) Perylene-d12	24.93	264	451160	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	148395	58.55	ng	0.00
7) Phenol-d6	7.17	99	131006	38.27	ng	0.00
23) Nitrobenzene-d5	9.17	82	293033	97.77	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	302041	133.19	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	876216	92.88	ng	0.00
79) Terphenyl-d14	20.03	244	1415087	80.59	ng	0.00

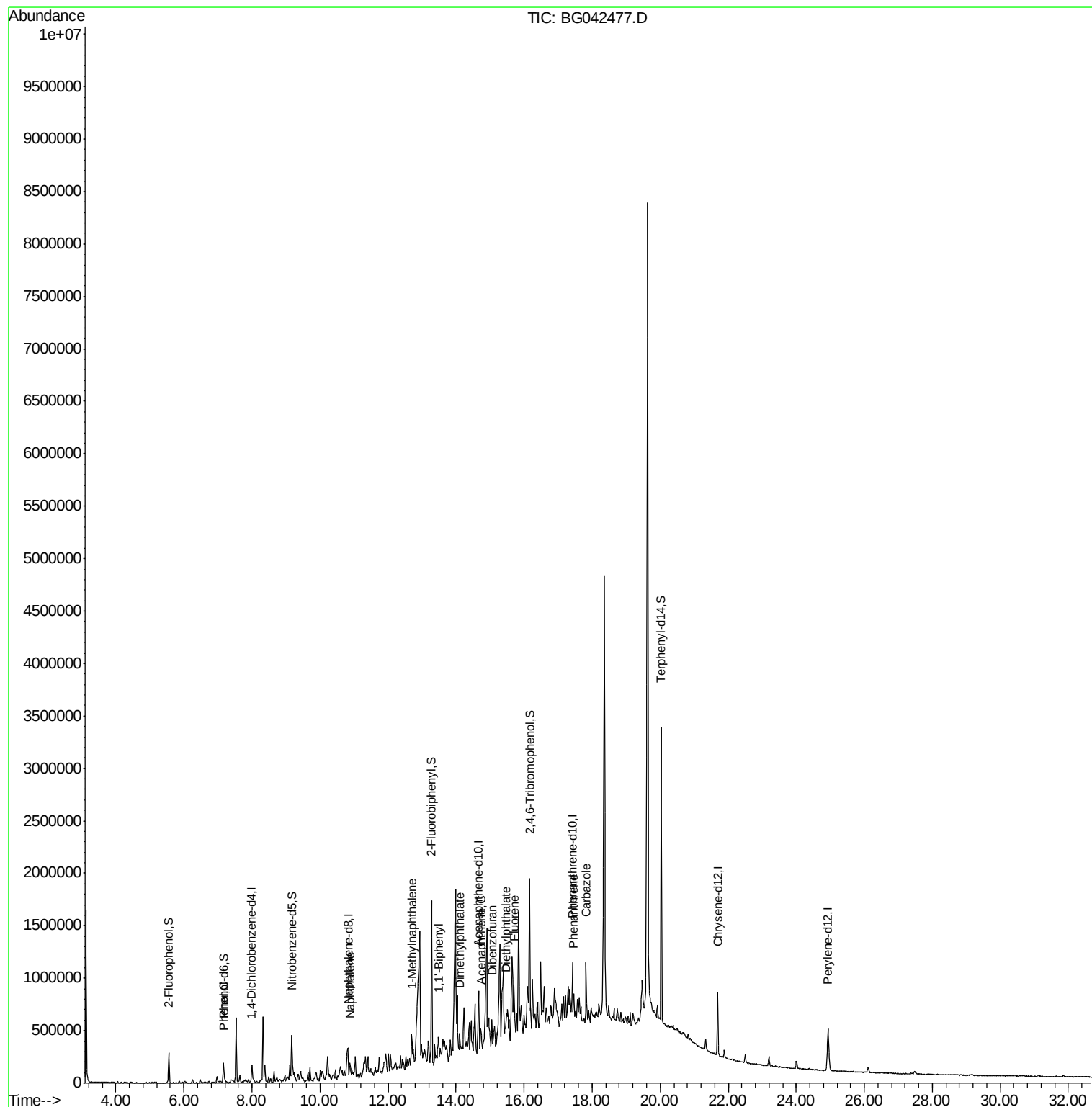
Target Compounds

						Qvalue
10) Phenol	7.19	94	9802	2.816	ng	87
31) Naphthalene	10.87	128	27808	2.892	ng	# 73
38) 1-Methylnaphthalene	12.71	142	142264	19.398	ng	99
46) 1,1'-Biphenyl	13.49	154	61499	5.963	ng	98
50) Dimethylphthalate	14.11	163	119234	10.357	ng	# 87
52) Acenaphthene	14.72	154	21657	2.666	ng	98
55) Dibenzofuran	15.06	168	32891	2.446	ng	# 56
58) Fluorene	15.71</					

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 836

Delta R.T. -0.01 min

Lab File: BG042477.D

Acq: 25 Aug 2019 14:30

Instrument :

BNA_G

ClientSampleId :

TWP-1-B-1

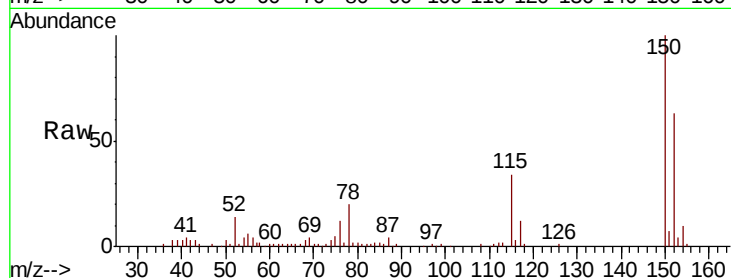
Tot Ion:152 Resp: 51328

Ion Ratio Lower Upper

152 100

150 158.7 125.4 188.0

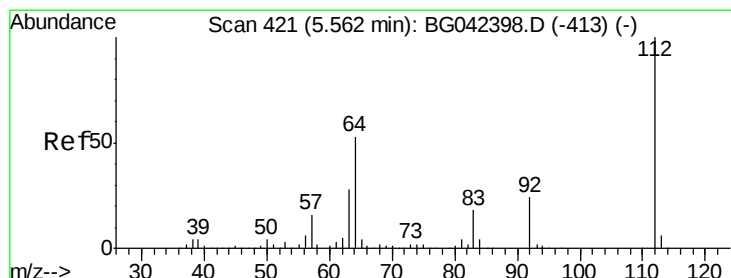
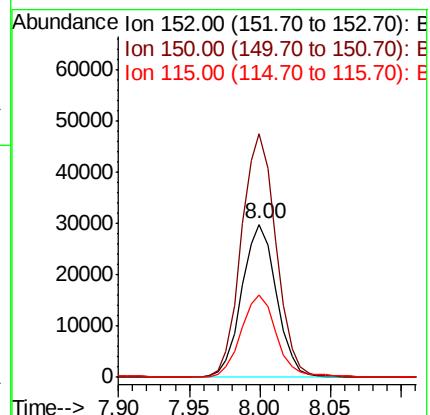
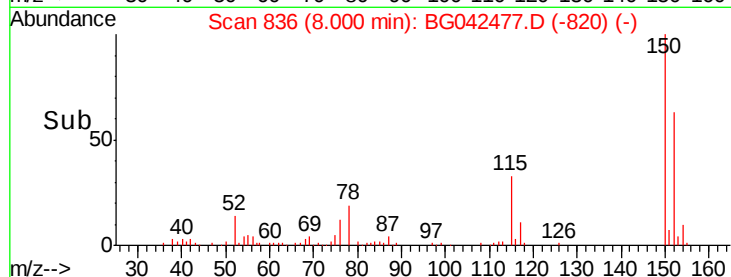
115 53.6 38.5 57.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

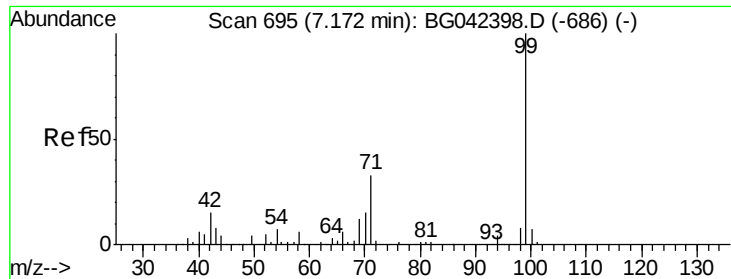
Concen: 58.553 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042477.D

Acq: 25 Aug 2019 14:30



#7

Phenol-d6

Concen: 38.269 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042477.D

Acq: 25 Aug 2019 14:30

Instrument :

BNA_G

ClientSampleId :

TWP-1-B-1

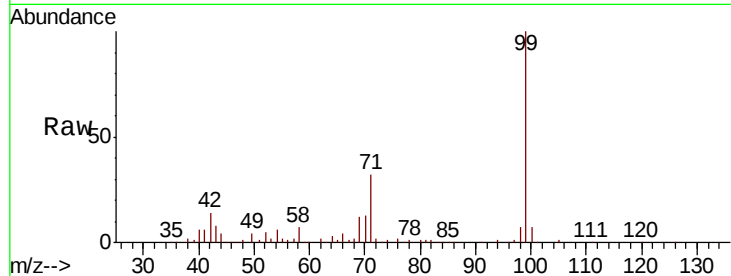
Tot Ion: 99 Resp: 131006

Ion Ratio Lower Upper

99 100

42 13.6 12.0 18.0

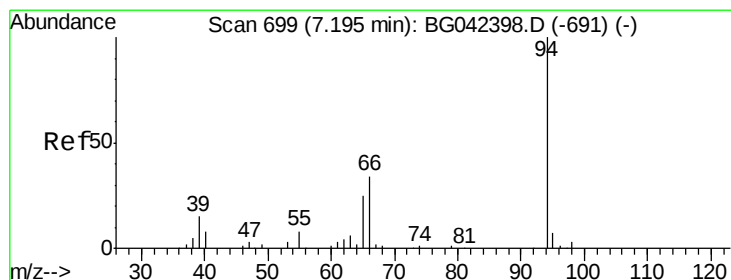
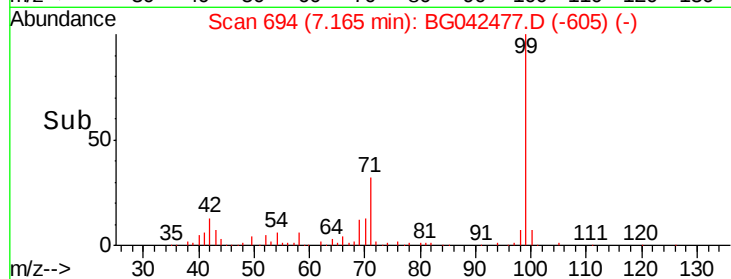
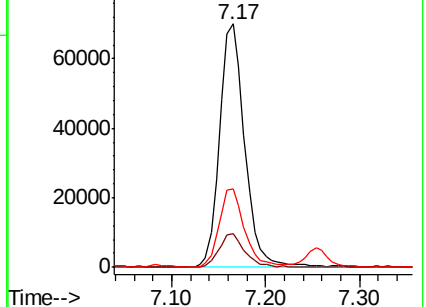
71 32.0 26.3 39.5



Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 2.816 ng

RT: 7.19 min Scan# 698

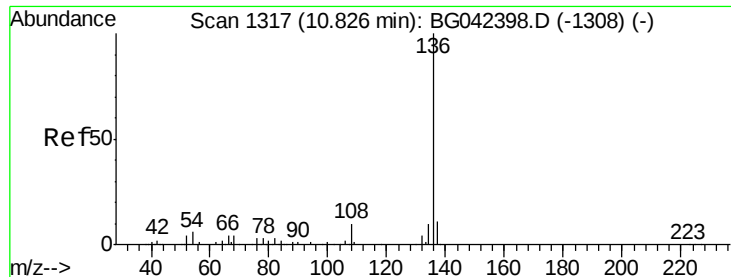
Delta R.T. -0.01 min

Lab File: BG042477.D

Acq: 25 Aug 2019 14:30

Tgt Ion: 94 Resp: 9802

Ion Ratio Lower



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG042477.D

Acq: 25 Aug 2019 14:30

Instrument :

BNA_G

ClientSampleId :

TWP-1-B-1

Tot Ion:136 Resp: 207116

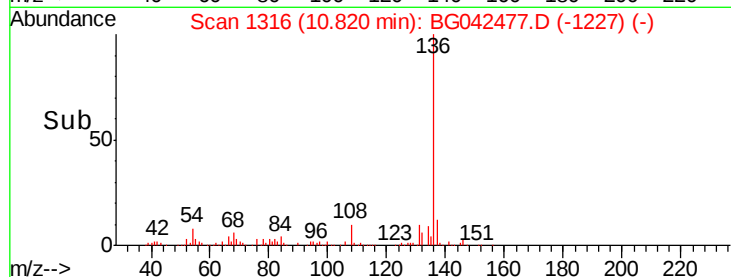
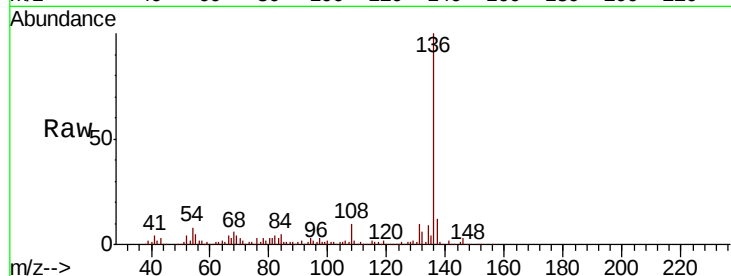
Ion Ratio Lower Upper

136 100

137 12.4 8.7 13.1

54 7.8 4.9 7.3#

68 6.3 3.6 5.4#

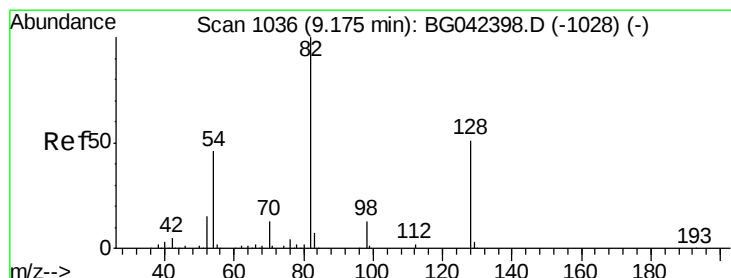
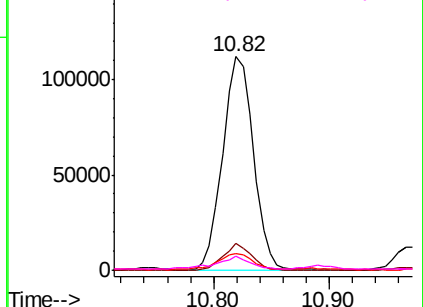


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG



#23

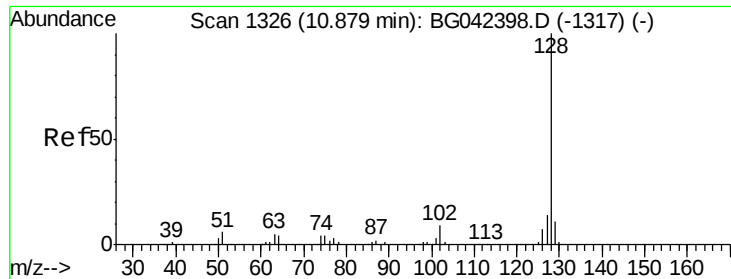
Nitrobenzene-d5

Concen: 97.770 ng

RT: 9.17 min Scan# 1035

Delta R.T. -0.01 min

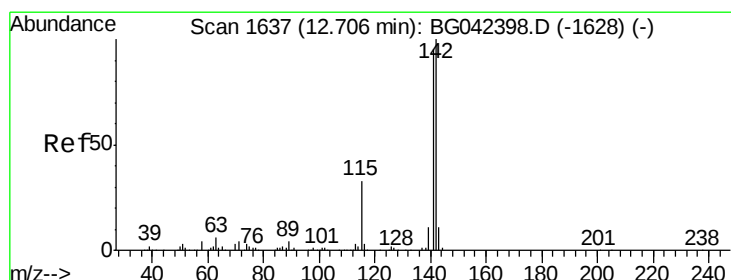
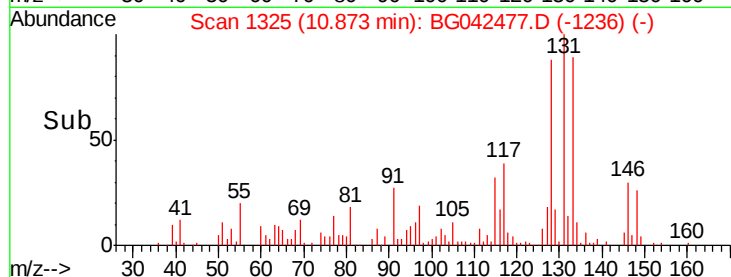
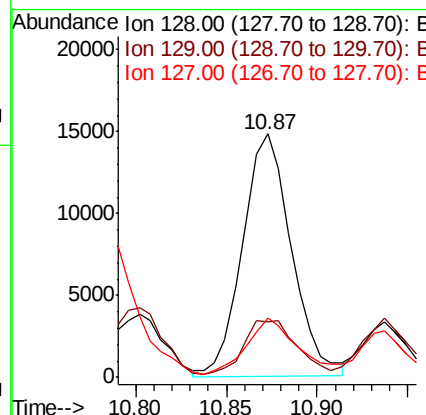
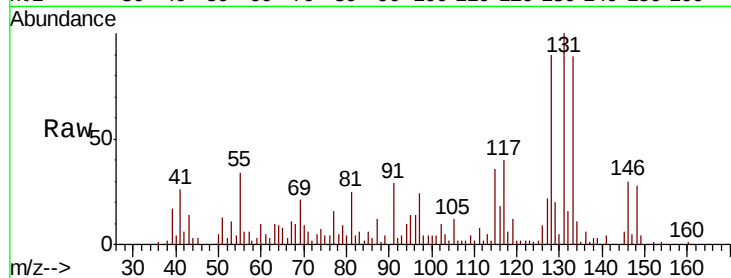
Lab File: BG



#31
Naphthalene
Concen: 2.892 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG042477.D
Acq: 25 Aug 2019 14:30

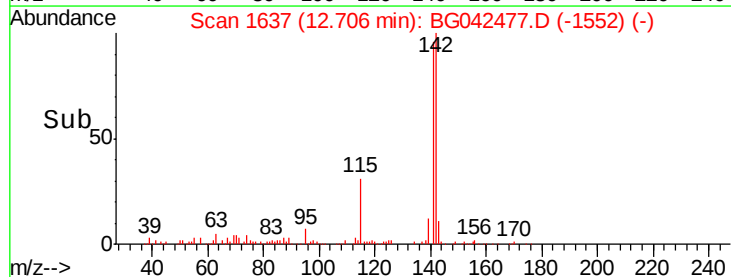
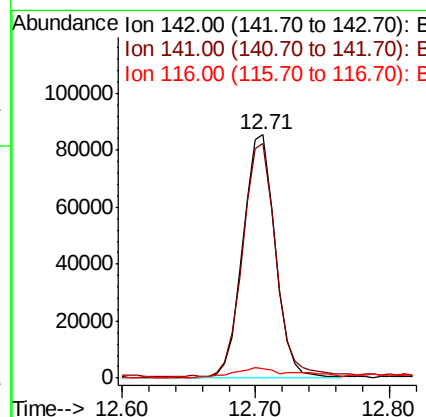
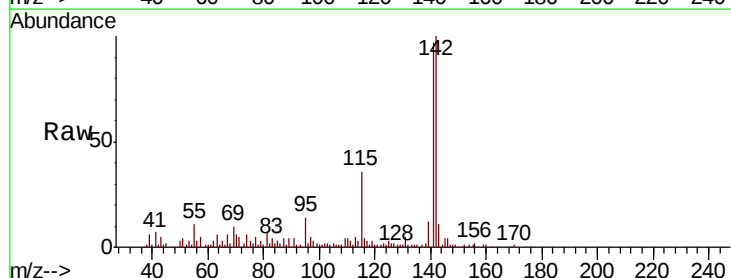
Instrument :
BNA_G
ClientSampleId :
TWP-1-B-1

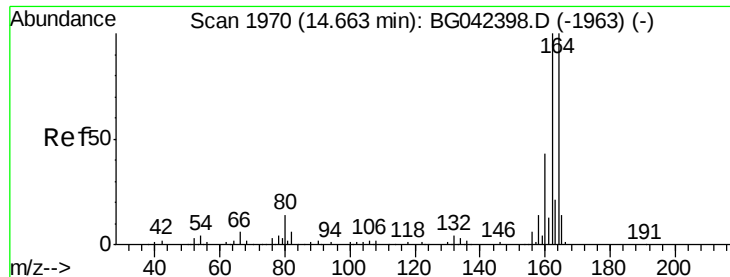
Tot Ion:128 Resp: 27808
Ion Ratio Lower Upper
128 100
129 22.7 8.8 13.2#
127 24.3 11.4 17.0#



#38
1-Methylnaphthalene
Concen: 19.398 ng
RT: 12.71 min Scan# 1637
Delta R.T. -0.00 min
Lab File: BG042477.D
Acq: 25 Aug 2019 14:30

Tgt Ion:142 Resp: 142264
Ion Ratio Lower Upper
142 100
141 96.6 76.2 114.2
116 3.9 2.8 4.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.00 min

Lab File: BG042477.D

Acq: 25 Aug 2019 14:30

Instrument :

BNA_G

ClientSampleId :

TWP-1-B-1

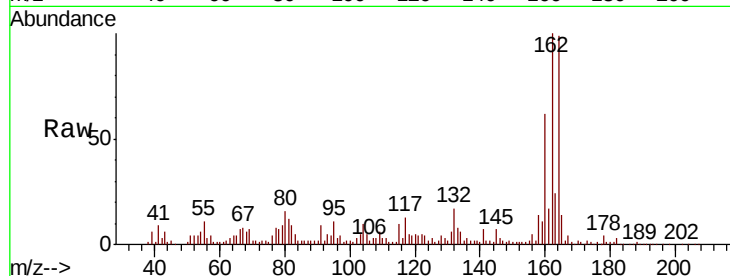
Tot Ion:164 Resp: 159553

Ion Ratio Lower Upper

164 100

162 101.0 79.9 119.9

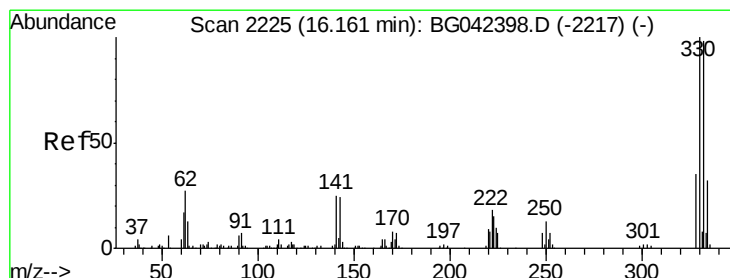
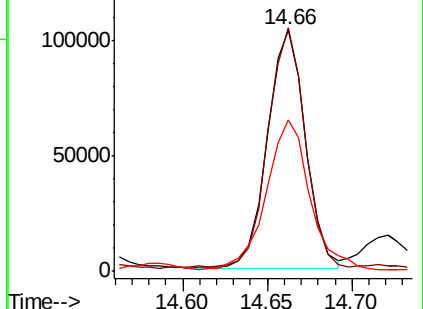
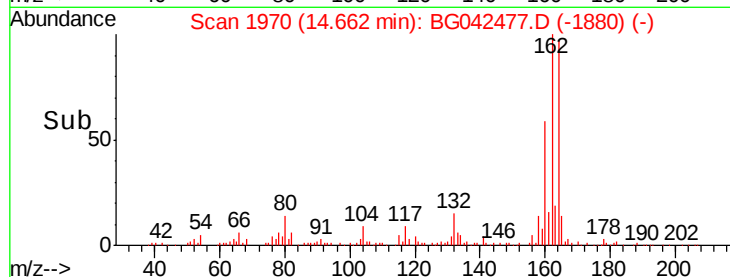
160 62.6 34.3 51.5#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

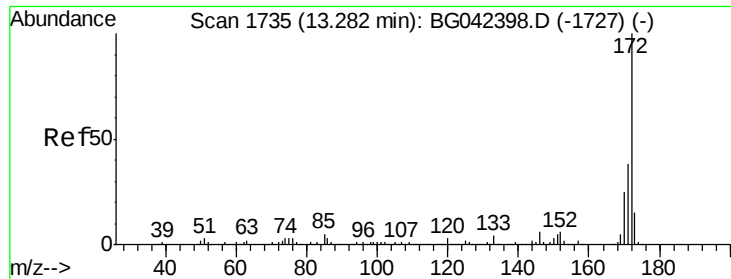
Concen: 133.188 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BG042477.D

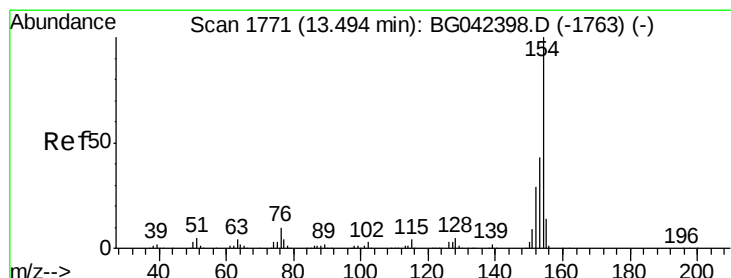
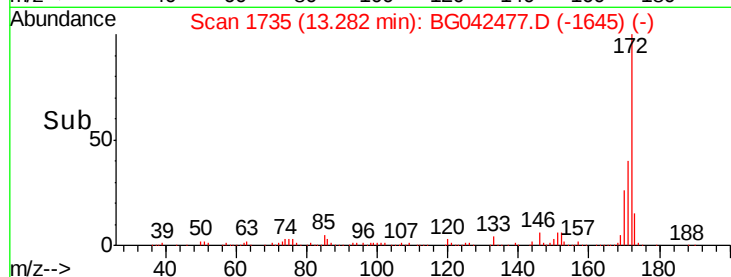
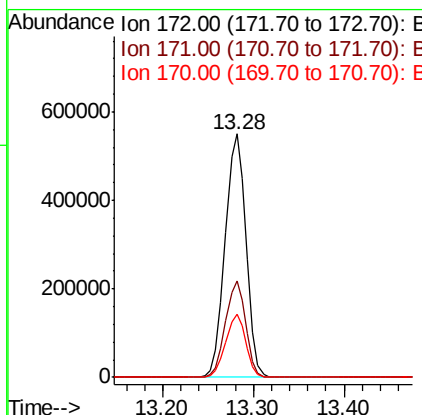
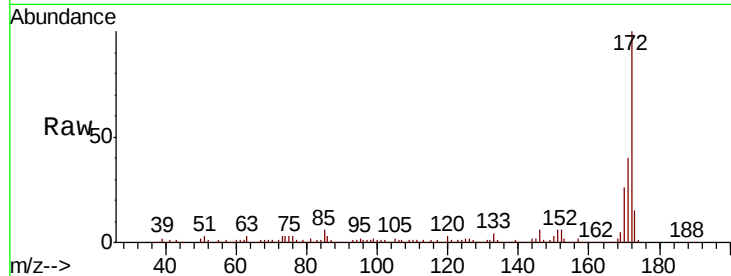
Acq: 25 Aug 2019 14



#45
2-Fluorobiphenyl
Concen: 92.880 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG042477.D
Acq: 25 Aug 2019 14:30

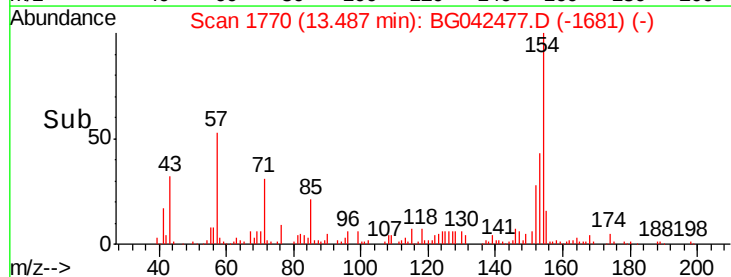
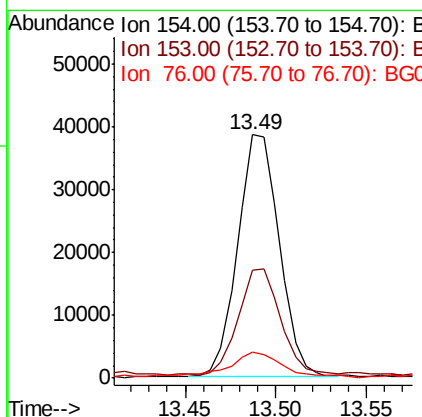
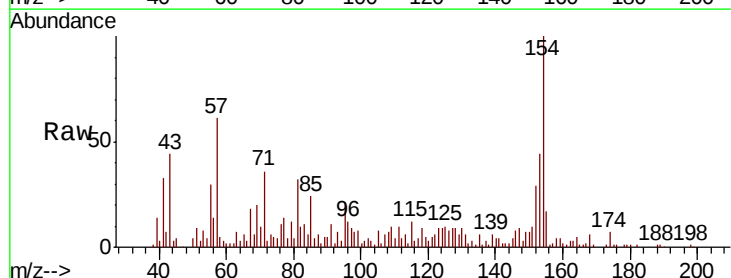
Instrument :
BNA_G
ClientSampleId :
TWP-1-B-1

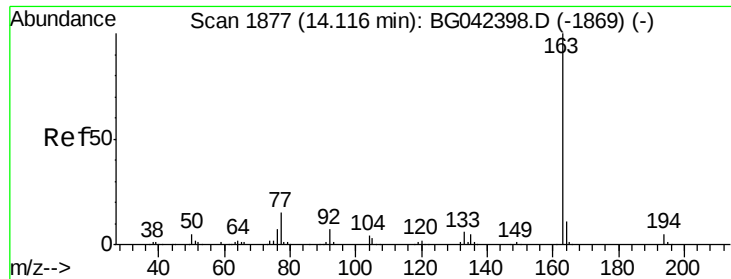
Tot Ion:172 Resp: 876216
Ion Ratio Lower Upper
172 100
171 39.5 30.5 45.7
170 26.0 20.2 30.2



#46
1,1'-Biphenyl
Concen: 5.963 ng
RT: 13.49 min Scan# 1770
Delta R.T. -0.01 min
Lab File: BG042477.D
Acq: 25 Aug 2019 14:30

Tgt Ion:154 Resp: 61499
Ion Ratio Lower Upper
154 100
153 44.4 23.0 63.0
76 10.6 0.0 29.6

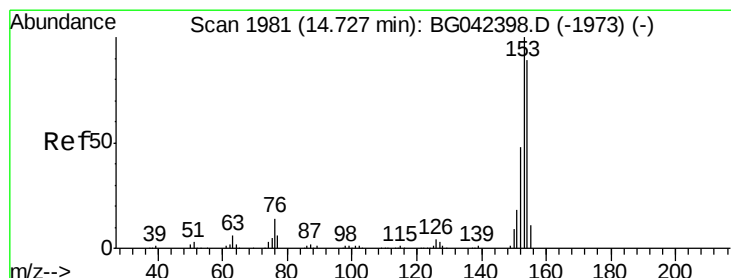
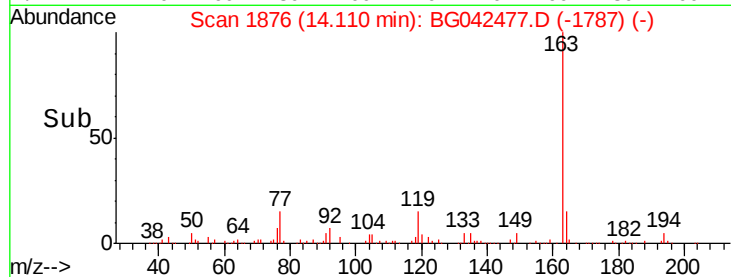
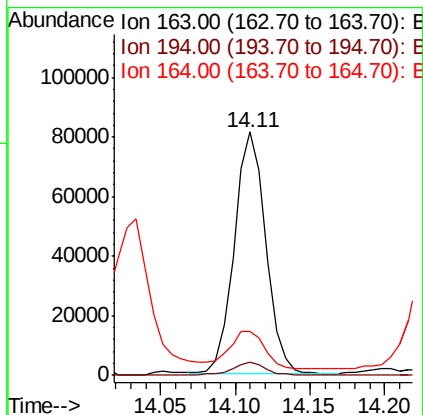
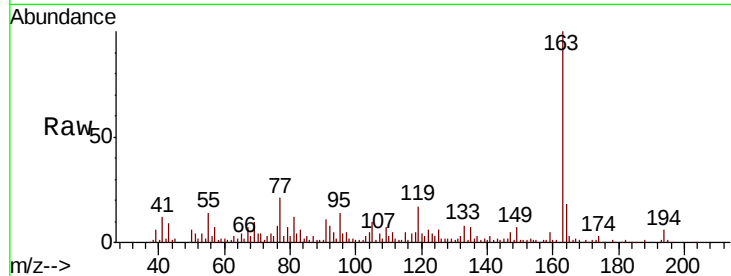




#50
Dimethylphthalate
Concen: 10.357 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042477.D
Acq: 25 Aug 2019 14:30

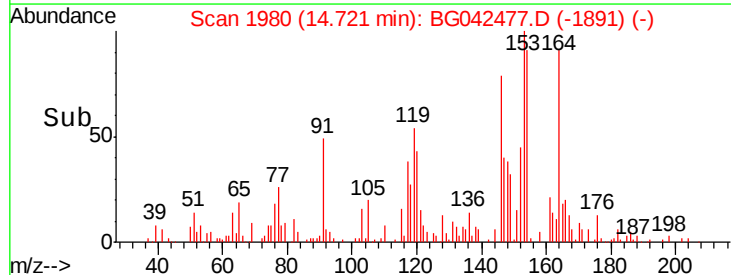
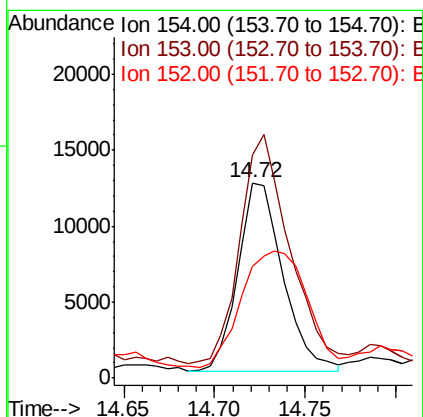
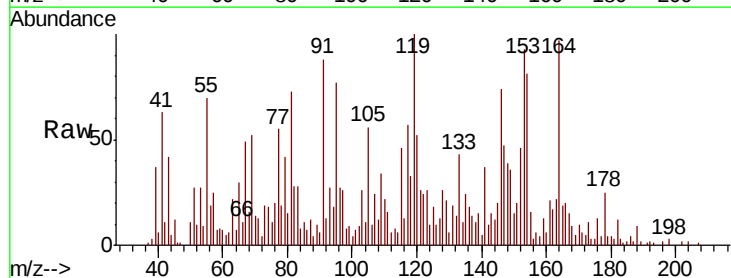
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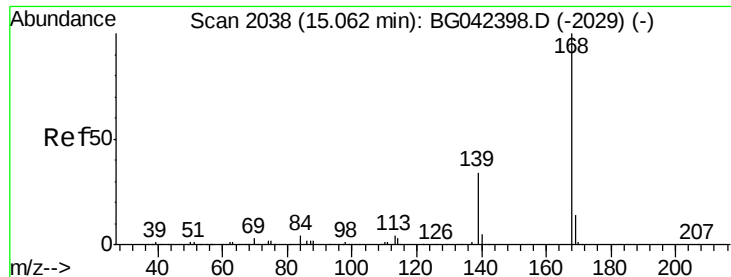
Tot Ion:163 Resp: 119234
Ion Ratio Lower Upper
163 100
194 5.5 4.2 6.2
164 18.2 8.8 13.2#



#52
Acenaphthene
Concen: 2.666 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BG042477.D
Acq: 25 Aug 2019 14:30

Tgt Ion:154 Resp: 21657
Ion Ratio Lower Upper
154 100
153 114.3 90.2 135.4
152 57.1 43.2 64.8

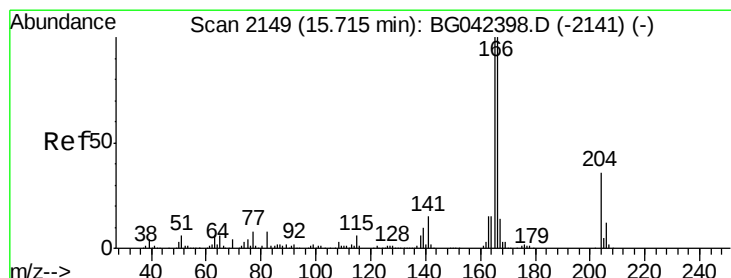
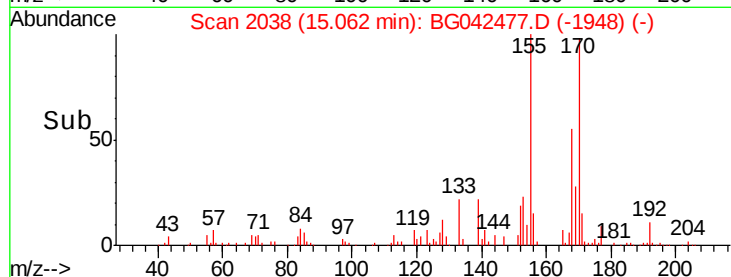
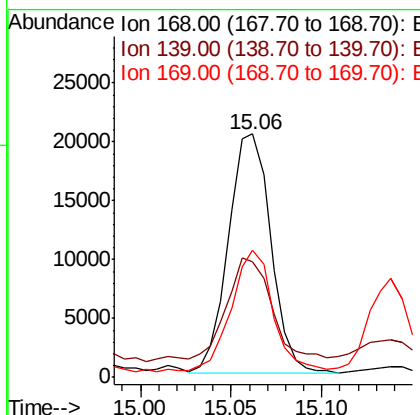
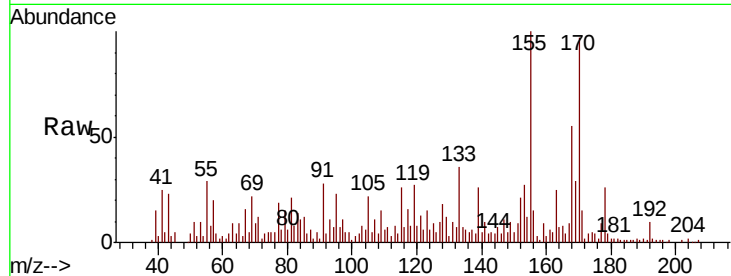




#55
Dibenzenofuran
Concen: 2.446 ng
RT: 15.06 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BG042477.D
Acq: 25 Aug 2019 14:30

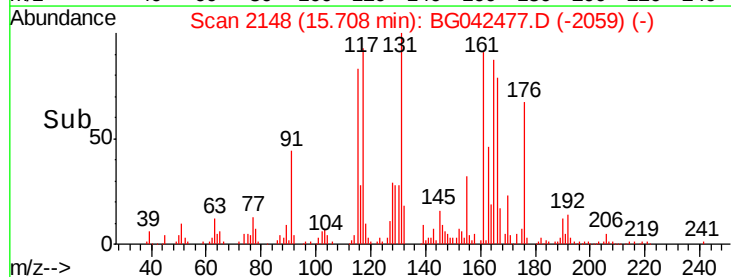
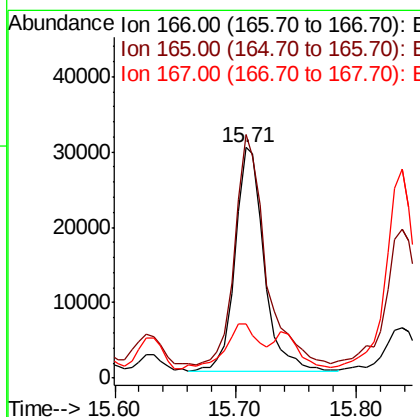
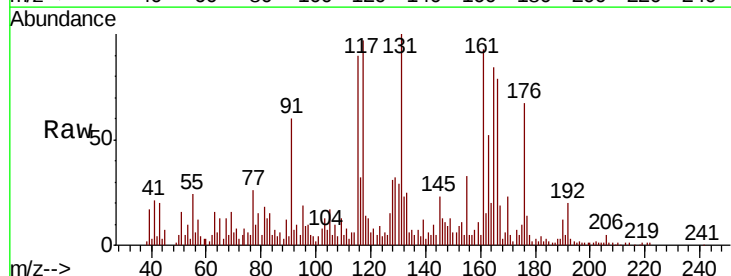
Instrument :
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TWP-1-B-1

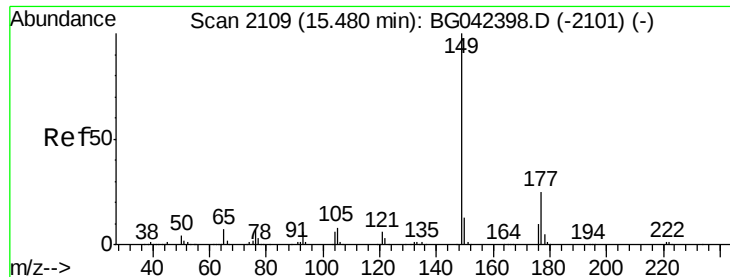
Tot Ion:168 Resp: 32891
Ion Ratio Lower Upper
168 100
139 47.3 27.2 40.8#
169 52.4 11.5 17.3#



#58
Fluorene
Concen: 4.471 ng
RT: 15.71 min Scan# 2148
Delta R.T. -0.01 min
Lab File: BG042477.D
Acq: 25 Aug 2019 14:30

Tgt Ion:166 Resp: 49151
Ion Ratio Lower Upper
166 100
165 105.7 79.7 119.5
167 23.5 10.9 16.3#

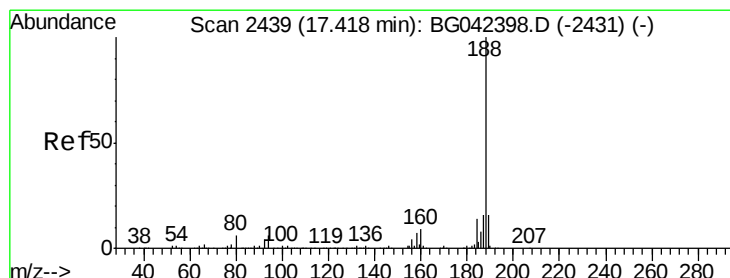
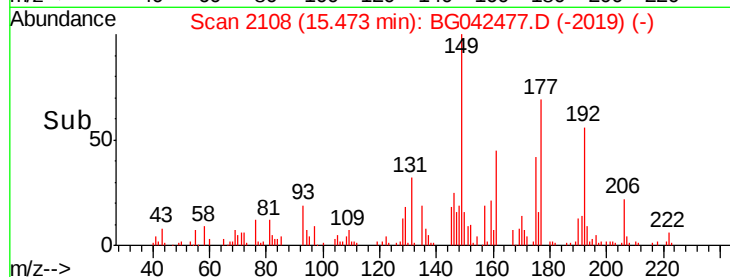
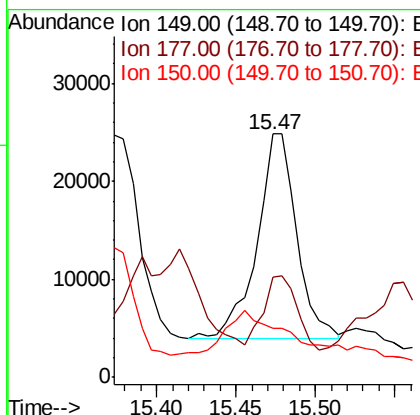
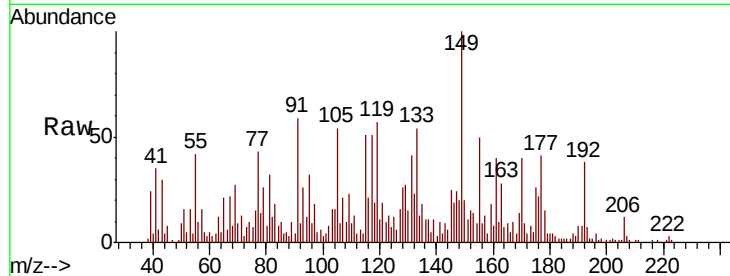




#60
Diethylphthalate
Concen: 3.235 ng
RT: 15.47 min Scan# 2108
Delta R.T. -0.01 min
Lab File: BG042477.D
Acq: 25 Aug 2019 14:30

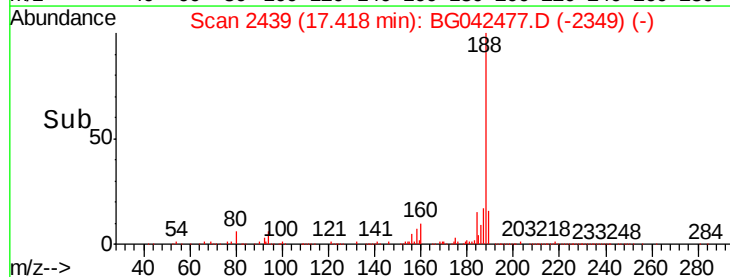
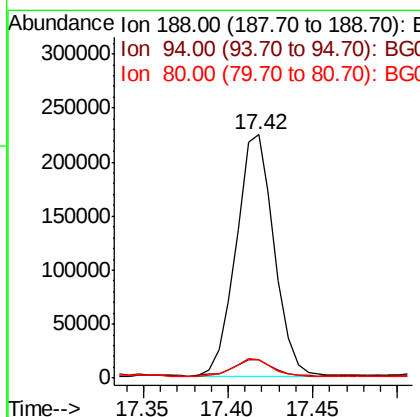
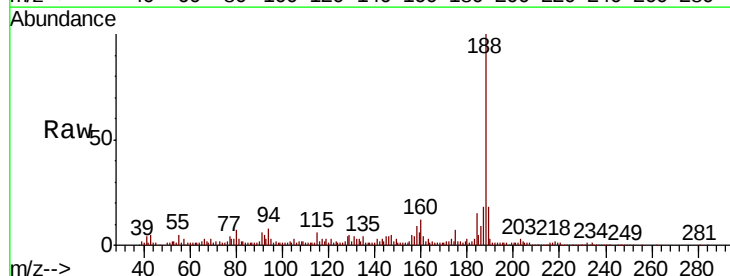
Instrument :
BNA_G
ClientSampleId :
TWP-1-B-1

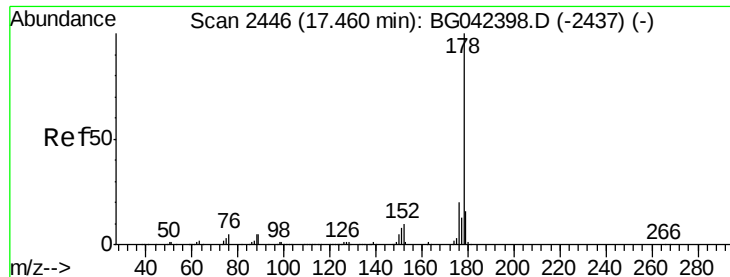
Tot Ion:149 Resp: 36411
Ion Ratio Lower Upper
149 100
177 41.1 20.4 30.6#
150 20.2 10.3 15.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG042477.D
Acq: 25 Aug 2019 14:30

Tgt Ion:188 Resp: 348827
Ion Ratio Lower Upper
188 100
94 7.5 4.5 6.7#
80 7.4 4.9 7.3#

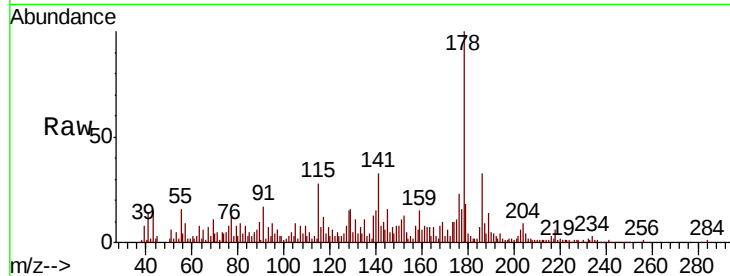




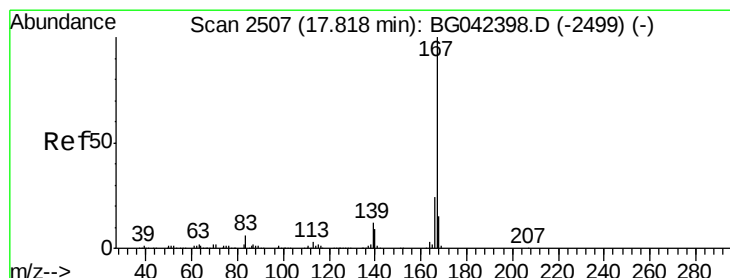
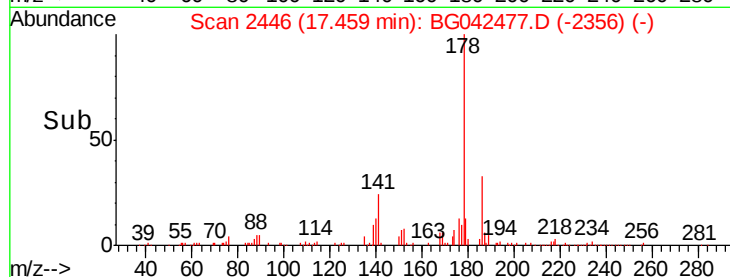
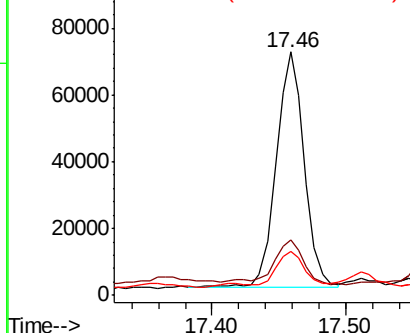
#71
Phenanthrene
Concen: 5.935 ng
RT: 17.46 min Scan# 2446
Delta R.T. -0.00 min
Lab File: BG042477.D
Acq: 25 Aug 2019 14:30

Instrument :
BNA_G
ClientSampleId :
TWP-1-B-1

Tot Ion:178 Resp: 102843
Ion Ratio Lower Upper
178 100
176 22.7 15.9 23.9
179 18.0 12.7 19.1

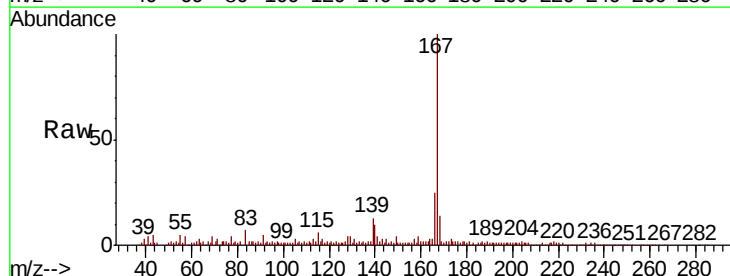


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

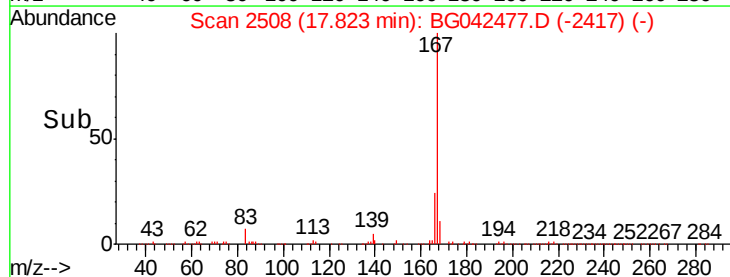
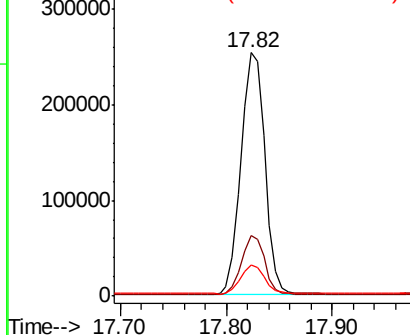


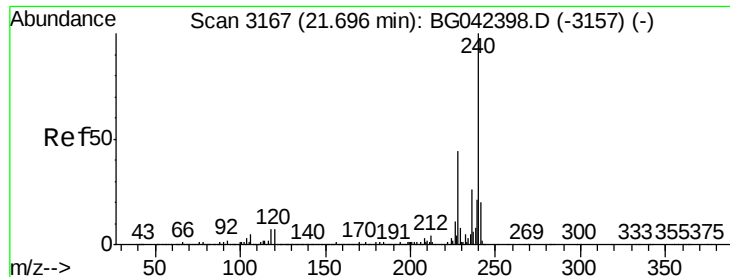
#73
Carbazole
Concen: 25.740 ng
RT: 17.82 min Scan# 2508
Delta R.T. 0.01 min
Lab File: BG042477.D
Acq: 25 Aug 2019 14:30

Tgt Ion:167 Resp: 396813
Ion Ratio Lower Upper
167 100
166 24.7 18.9 28.3
139 12.8 9.8 14.6



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

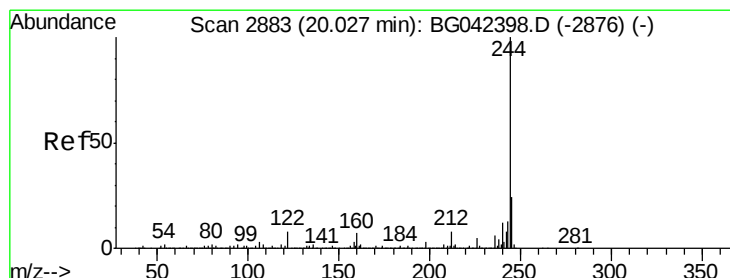
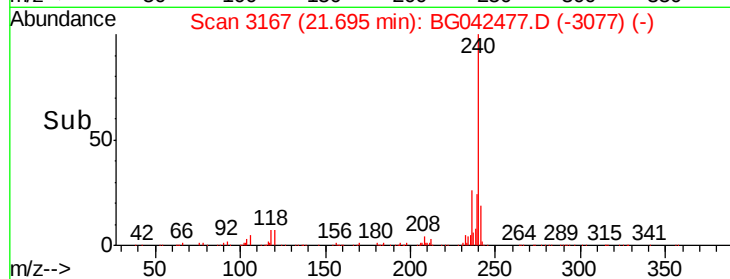
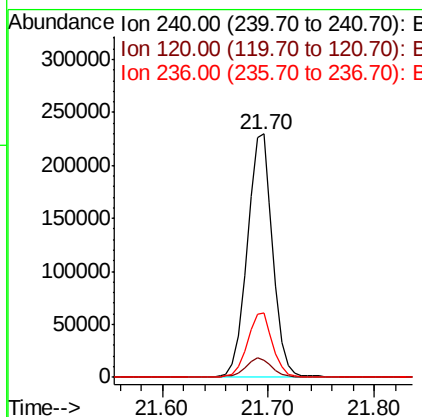
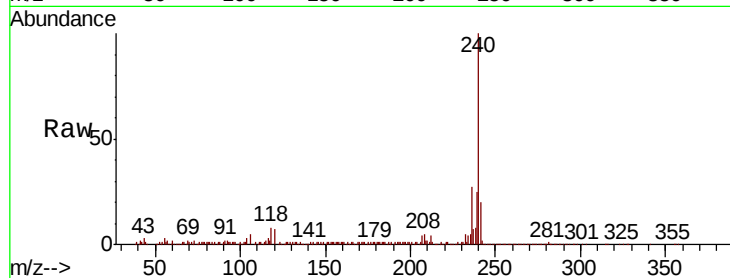




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.00 min
Lab File: BG042477.D
Acq: 25 Aug 2019 14:30

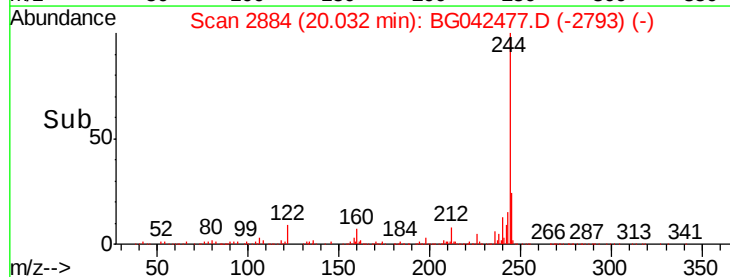
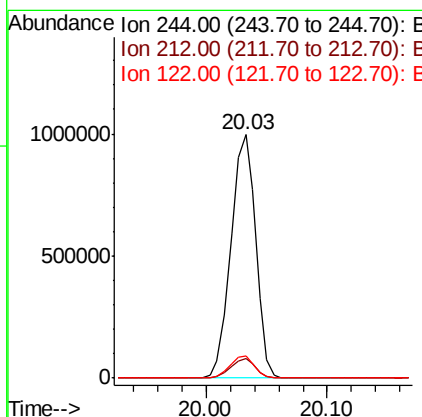
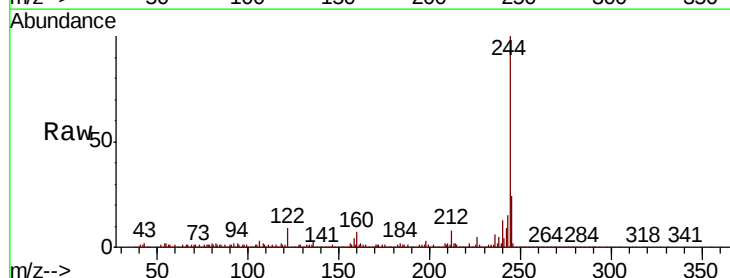
Instrument :
BNA_G
ClientSampleId :
TWP-1-B-1

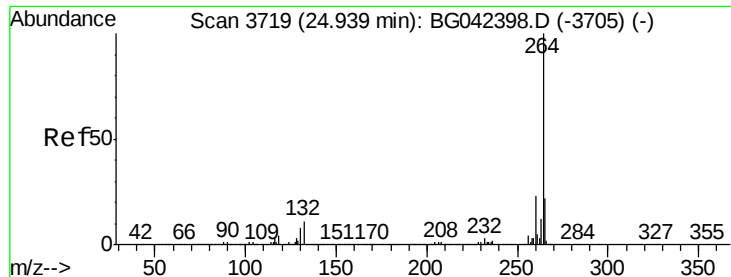
Tot Ion:240 Resp: 379603
Ion Ratio Lower Upper
240 100
120 7.0 5.7 8.5
236 26.6 21.0 31.4



#79
Terphenyl-d14
Concen: 80.592 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.01 min
Lab File: BG042477.D
Acq: 25 Aug 2019 14:30

Tgt Ion:244 Resp: 1415087
Ion Ratio Lower Upper
244 100
212 8.1 6.0 9.0
122 9.1 6.7 10.1





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3718
Delta R.T. -0.01 min
Lab File: BG042477.D
Acq: 25 Aug 2019 14:30

Instrument :
BNA_G
ClientSampleId :
TWP-1-B-1

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	23.2	18.5	27.7	
265	22.6	17.6	26.4	

