

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
 Data File : BG053744.D
 Acq On : 27 May 2022 22:13
 Operator : CG/JU
 Sample : N3000-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-02-COMP

Quant Time: May 28 02:01:17 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 15:11:41 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

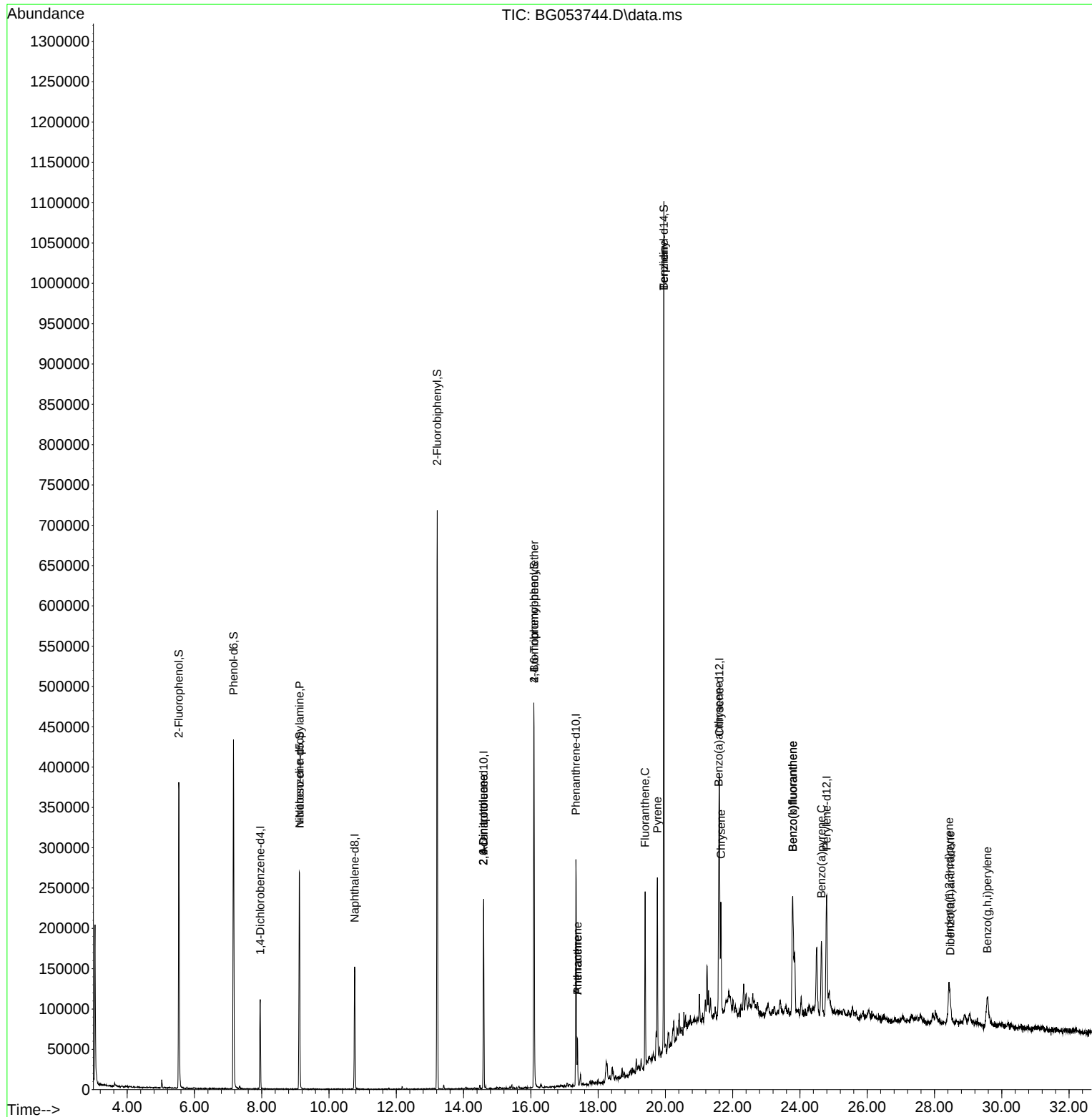
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.954	152	30616	20.000	ng	-0.03
21) Naphthalene-d8	10.762	136	122383	20.000	ng	-0.04
39) Acenaphthene-d10	14.598	164	83394	20.000	ng	-0.03
64) Phenanthrene-d10	17.341	188	174212	20.000	ng	-0.03
76) Chrysene-d12	21.606	240	154256	20.000	ng	-0.03
86) Perylene-d12	24.796	264	158137	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	159793	88.578	ng	-0.02
7) Phenol-d6	7.161	99	243962	89.108	ng	0.00
23) Nitrobenzene-d5	9.123	82	169863	59.083	ng	-0.03
42) 2,4,6-Tribromophenol	16.096	330	100679	81.855	ng	-0.02
45) 2-Fluorobiphenyl	13.217	172	371537	65.103	ng	-0.03
79) Terphenyl-d14	19.955	244	520377	62.830	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.123	70	24703	12.576	ng	# 71
51) 2,6-Dinitrotoluene	14.592	165	10916	8.455	ng	# 19
57) 2,4-Dinitrotoluene	14.592	165	10916	5.833	ng	# 24
67) 4-Bromophenyl-phenylether	16.096	248	6521	3.205	ng	# 1
71) Phenanthrene	17.388	178	36528	4.124	ng	98
72) Anthracene	17.388	178	36528	4.195	ng	98
75) Fluoranthene	19.397	202	134318	11.710	ng	98
77) Benzidine	19.955	184	8987	2.703	ng	# 95
78) Pyrene	19.761	202	138014	13.821	ng	97
81) Benzo(a)anthracene	21.588	228	111350	11.318	ng	98
83) Chrysene	21.653	228	105877	11.522	ng	96
87) Indeno(1,2,3-cd)pyrene	28.438	276	90574	8.224	ng	# 95
88) Benzo(b)fluoranthene	23.785	252	187111	19.990	ng	100
89) Benzo(k)fluoranthene	23.785	252	187111	20.342	ng	99
90) Benzo(a)pyrene	24.643	252	102973	12.925	ng	# 98
91) Dibenzo(a,h)anthracene	28.473	278	23126	2.548	ng	# 85
92) Benzo(g,h,i)perylene	29.572	276	80103	8.904	ng	97

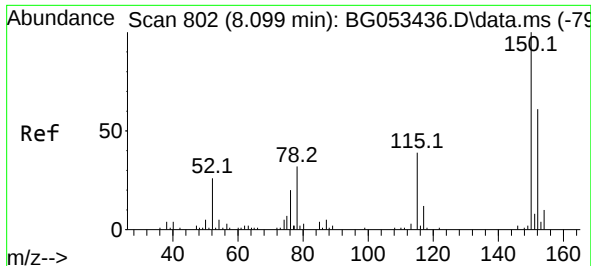
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
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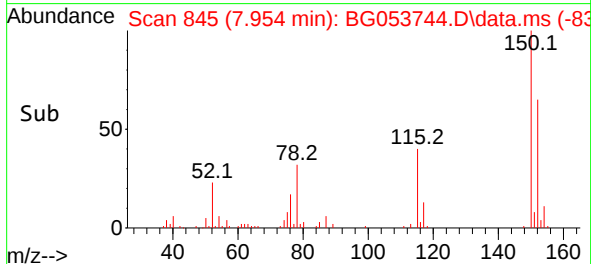
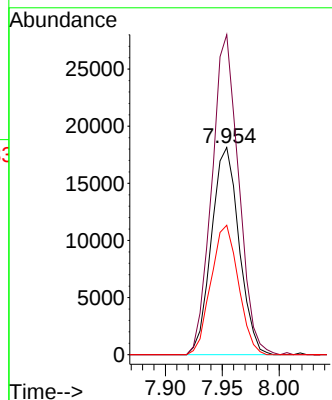
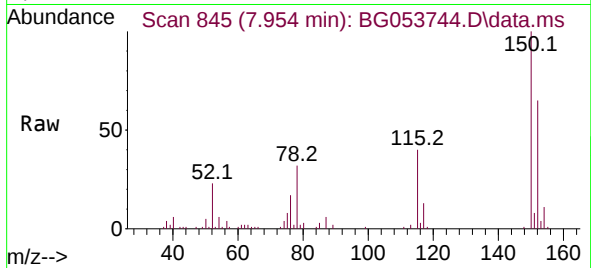




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.954 min Scan# 84
Delta R.T. -0.032 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

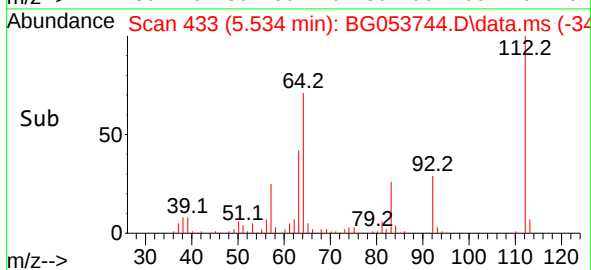
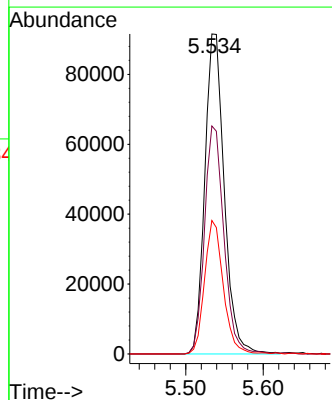
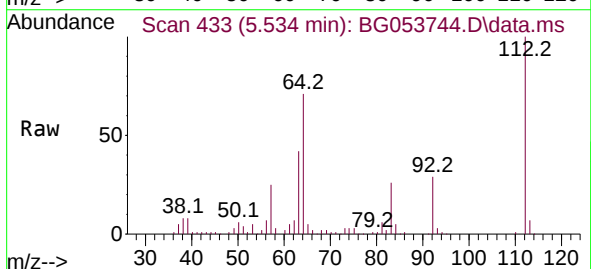
Instrument :
BNA_G
ClientSampleId :
TP-02-COMP

Tgt Ion:152 Resp: 30616
Ion Ratio Lower Upper
152 100
150 154.5 131.6 197.4
115 62.5 50.9 76.3



#5
2-Fluorophenol
Concen: 88.578 ng
RT: 5.534 min Scan# 433
Delta R.T. -0.021 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

Tgt Ion:112 Resp: 159793
Ion Ratio Lower Upper
112 100
64 71.3 55.1 82.7
63 41.7 30.4 45.6

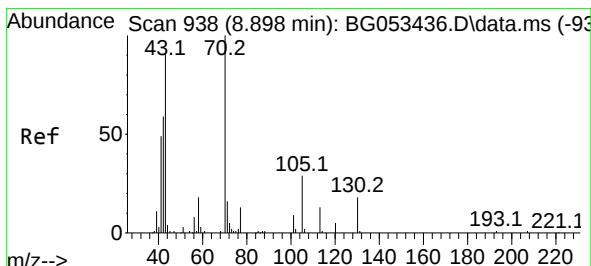
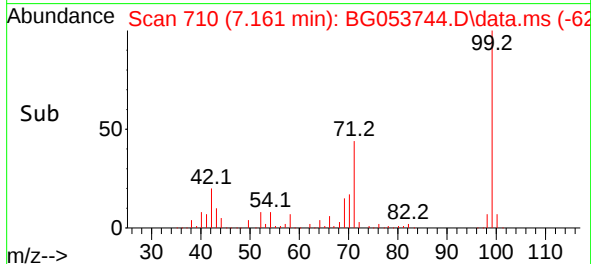
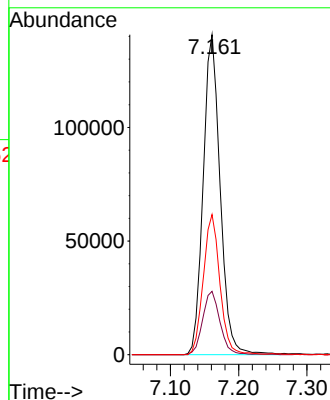
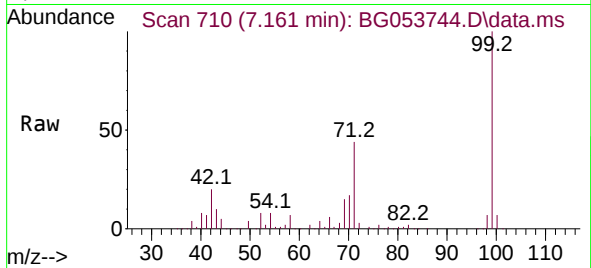




#7
Phenol-d6
Concen: 89.108 ng
RT: 7.161 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

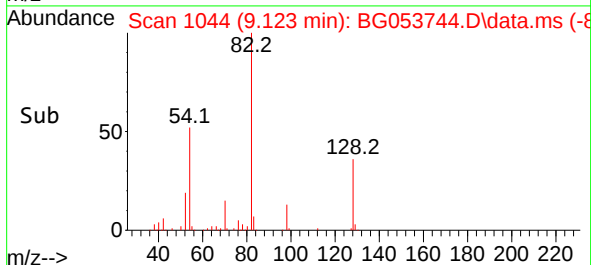
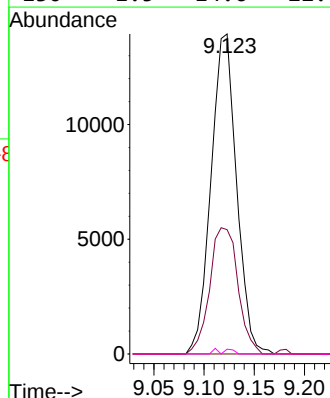
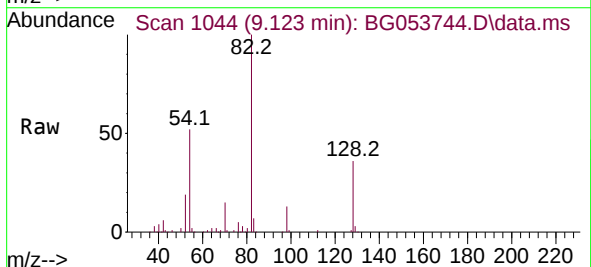
Instrument :
BNA_G
ClientSampleId :
TP-02-COMP

Tgt Ion: 99 Resp: 243962
Ion Ratio Lower Upper
99 100
42 19.8 17.0 25.6
71 43.8 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.576 ng
RT: 9.123 min Scan# 1044
Delta R.T. 0.326 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

Tgt Ion: 70 Resp: 24703
Ion Ratio Lower Upper
70 100
42 38.8 47.3 70.9#
101 0.0 7.0 10.4#
130 1.5 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.762 min Scan# 11

Delta R.T. -0.038 min

Lab File: BG053744.D

Acq: 27 May 2022 22:13

Instrument :

BNA_G

ClientSampleId :

TP-02-COMP

Tgt Ion:136 Resp: 122383

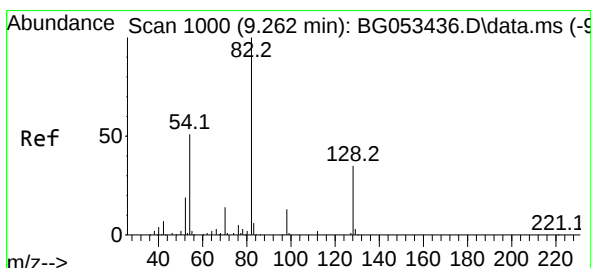
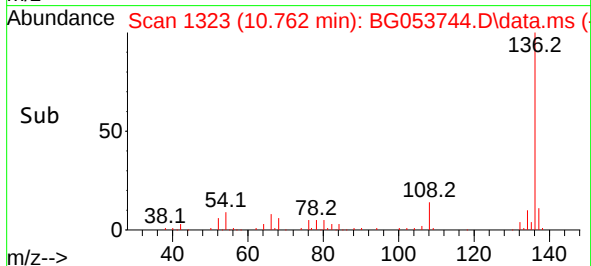
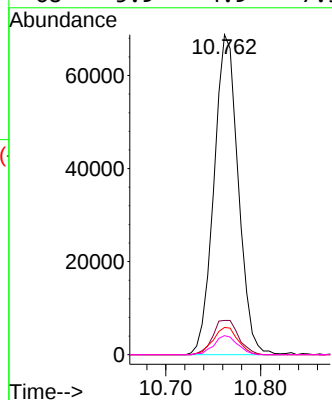
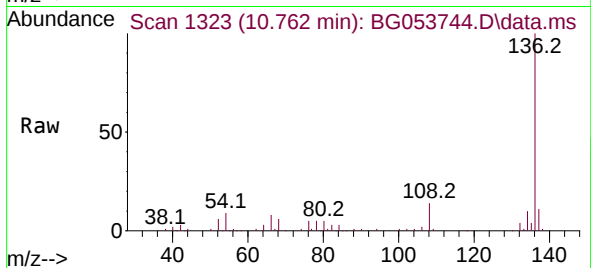
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 8.5 7.4 11.2

68 5.9 4.9 7.3



#23

Nitrobenzene-d5

Concen: 59.083 ng

RT: 9.123 min Scan# 1044

Delta R.T. -0.032 min

Lab File: BG053744.D

Acq: 27 May 2022 22:13

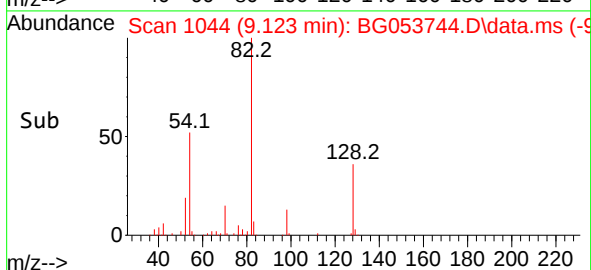
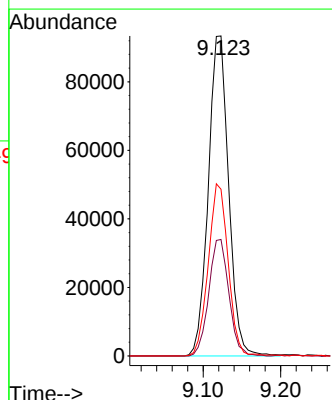
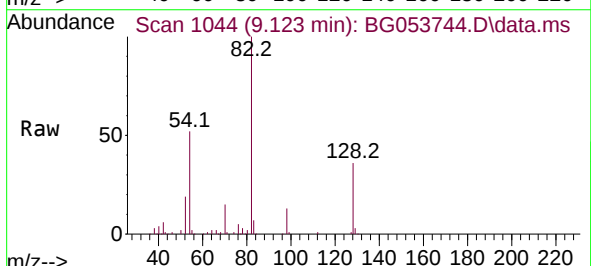
Tgt Ion: 82 Resp: 169863

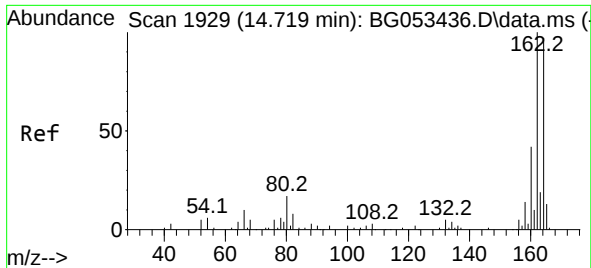
Ion Ratio Lower Upper

82 100

128 36.4 27.9 41.9

54 52.1 41.2 61.8

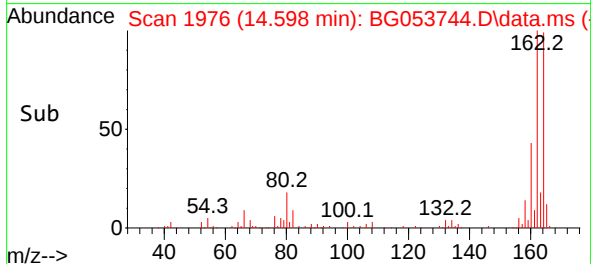
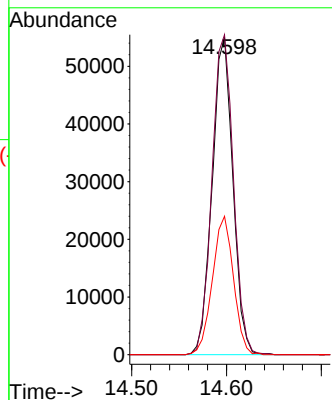
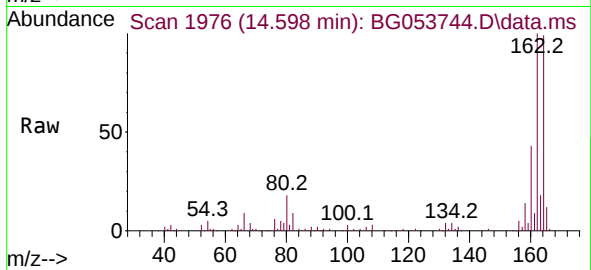




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.598 min Scan# 1929
Delta R.T. -0.026 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

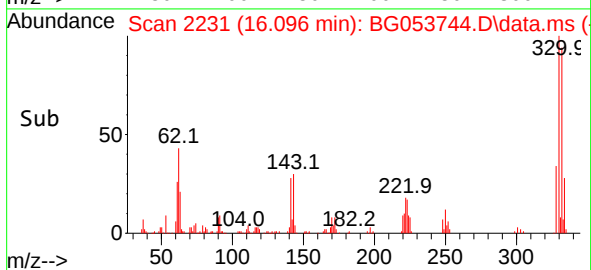
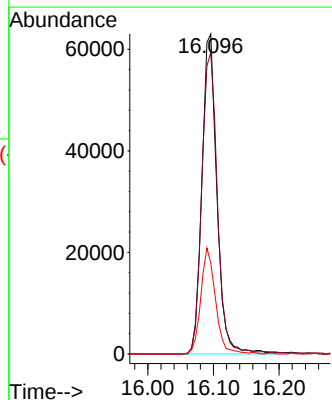
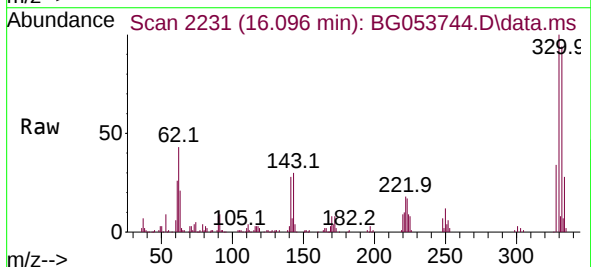
Instrument :
BNA_G
ClientSampleId :
TP-02-COMP

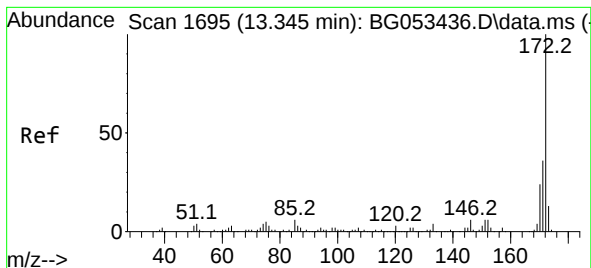
Tgt Ion:164 Resp: 83394
Ion Ratio Lower Upper
164 100
162 100.8 82.3 123.5
160 43.6 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 81.855 ng
RT: 16.096 min Scan# 2231
Delta R.T. -0.021 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

Tgt Ion:330 Resp: 100679
Ion Ratio Lower Upper
330 100
332 97.2 76.0 114.0
141 32.4 27.1 40.7





#45

2-Fluorobiphenyl

Concen: 65.103 ng

RT: 13.217 min Scan# 1

Delta R.T. -0.026 min

Lab File: BG053744.D

Acq: 27 May 2022 22:13

Instrument :

BNA_G

ClientSampleId :

TP-02-COMP

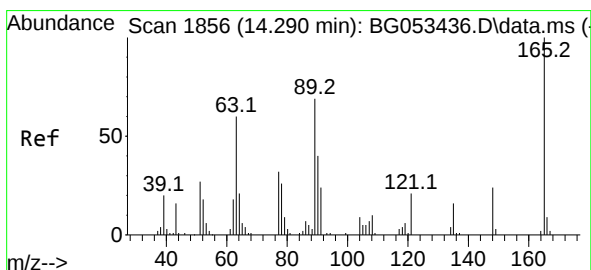
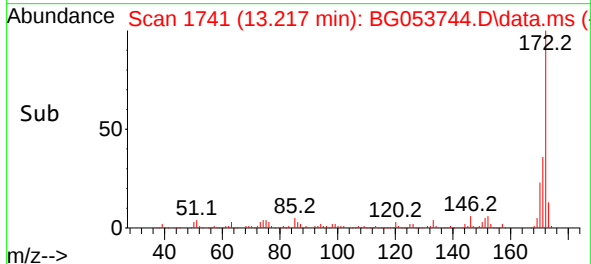
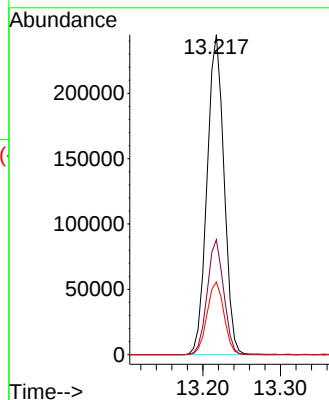
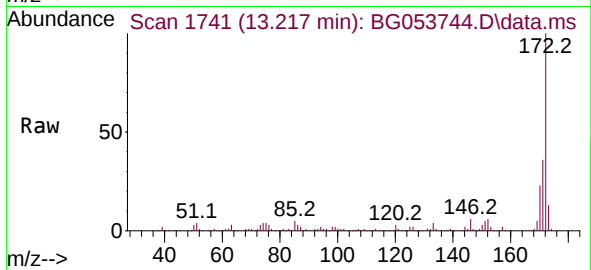
Tgt Ion:172 Resp: 371537

Ion Ratio Lower Upper

172 100

171 36.0 28.5 42.7

170 22.7 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.455 ng

RT: 14.592 min Scan# 1975

Delta R.T. 0.391 min

Lab File: BG053744.D

Acq: 27 May 2022 22:13

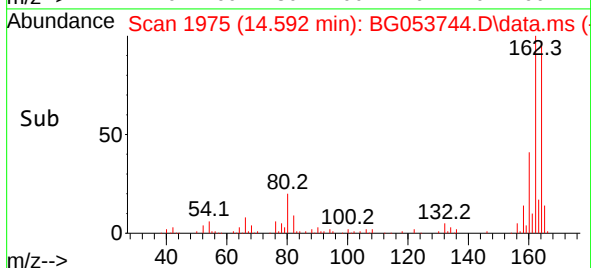
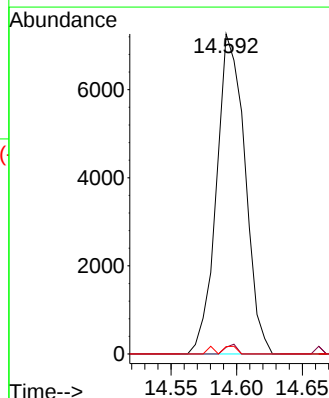
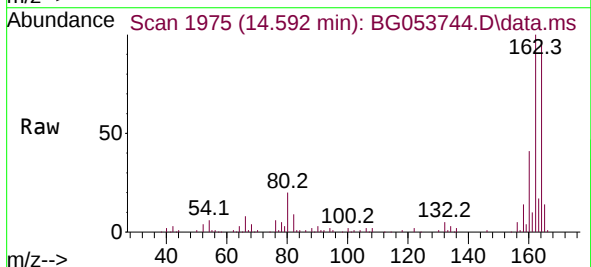
Tgt Ion:165 Resp: 10916

Ion Ratio Lower Upper

165 100

63 2.1 54.1 81.1#

89 2.3 54.8 82.2#

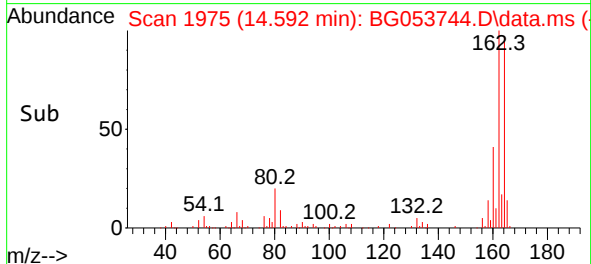
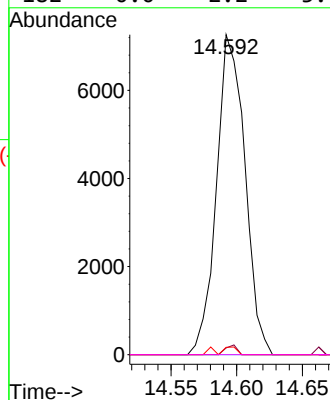
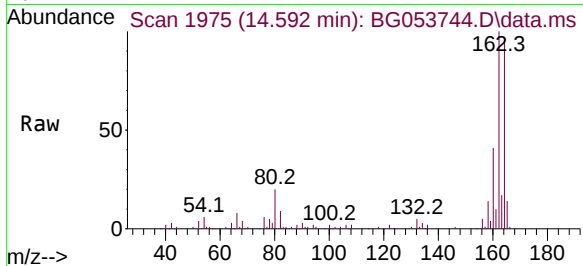




#57
2,4-Dinitrotoluene
Concen: 5.833 ng
RT: 14.592 min Scan# 14
Delta R.T. -0.402 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

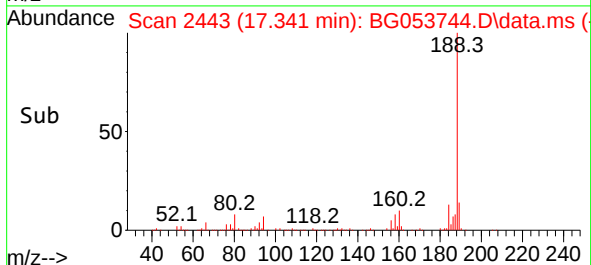
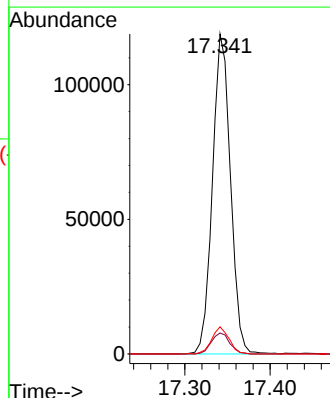
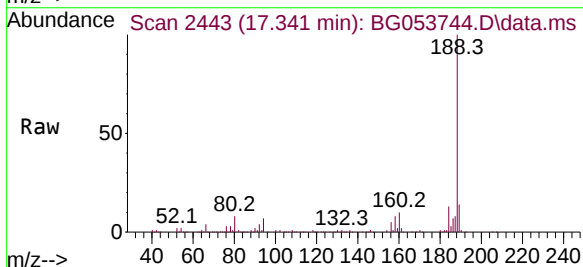
Instrument :
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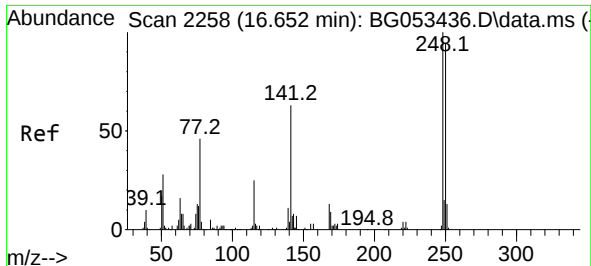
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Ion Ratio Lower Upper
165 100
63 2.1 34.6 52.0#
89 2.3 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.341 min Scan# 2443
Delta R.T. -0.032 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

Tgt Ion:188 Resp: 174212
Ion Ratio Lower Upper
188 100
94 6.6 5.4 8.0
80 8.5 6.8 10.2

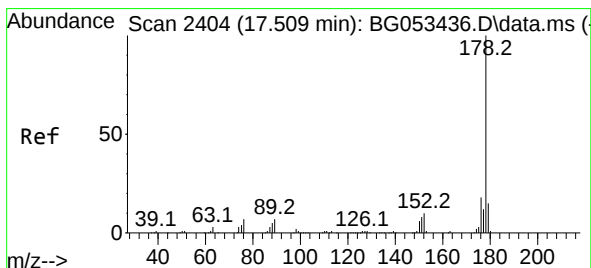
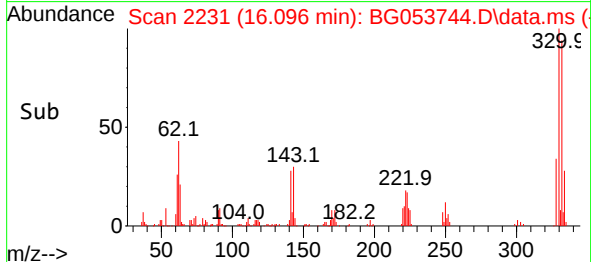
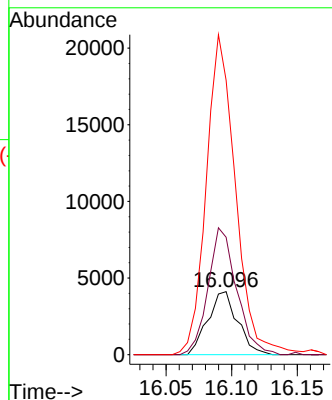
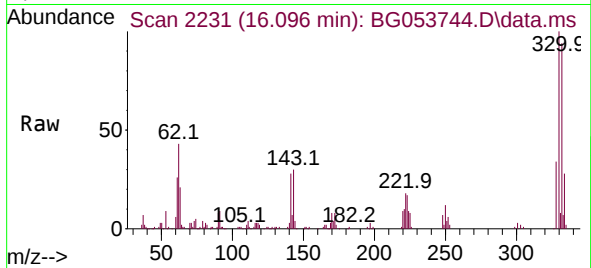




#67
4-Bromophenyl-phenylether
Concen: 3.205 ng
RT: 16.096 min Scan# 21
Delta R.T. -0.455 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

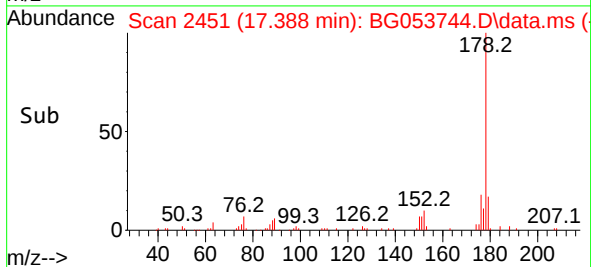
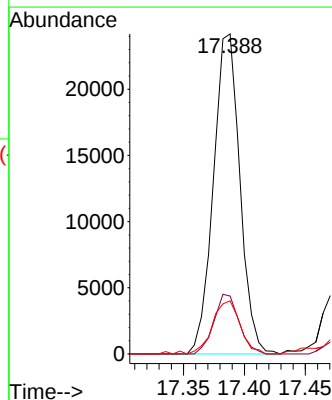
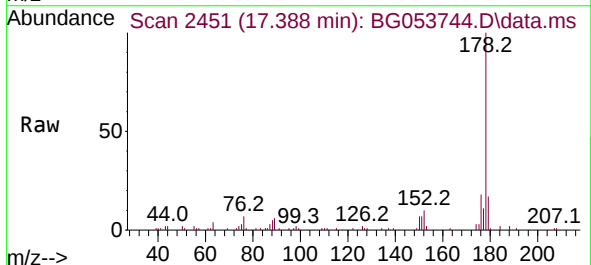
Instrument :
BNA_G
ClientSampleId :
TP-02-COMP

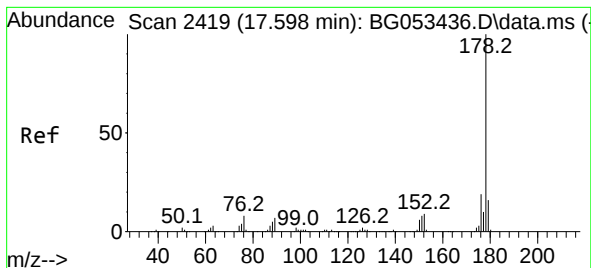
Tgt Ion:248 Resp: 6521
Ion Ratio Lower Upper
248 100
250 186.0 75.2 112.8#
141 434.7 50.0 75.0#



#71
Phenanthrene
Concen: 4.124 ng
RT: 17.388 min Scan# 2451
Delta R.T. -0.026 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

Tgt Ion:178 Resp: 36528
Ion Ratio Lower Upper
178 100
176 18.1 14.1 21.1
179 16.6 12.1 18.1





#72

Anthracene

Concen: 4.195 ng

RT: 17.388 min Scan# 2419

Delta R.T. -0.115 min

Lab File: BG053744.D

Acq: 27 May 2022 22:13

Instrument :

BNA_G

ClientSampleId :

TP-02-COMP

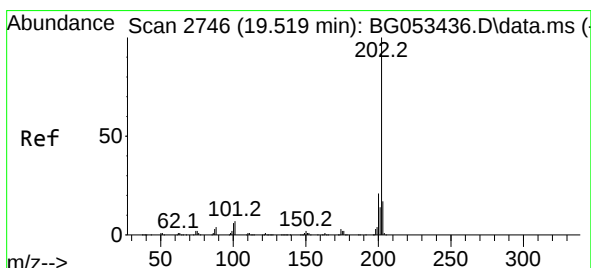
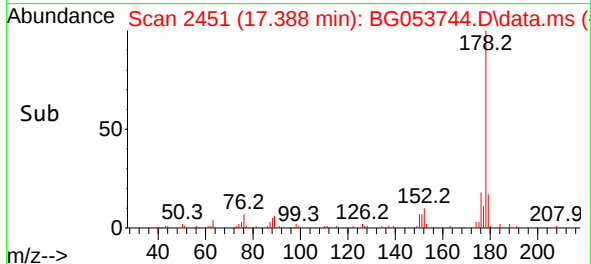
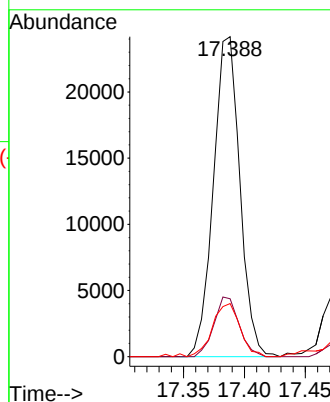
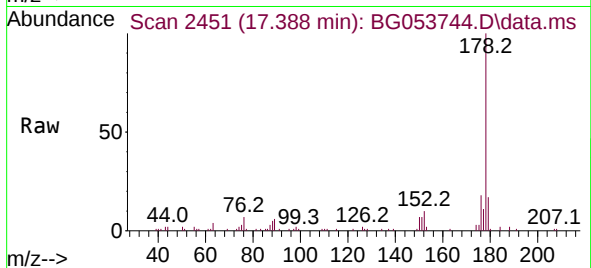
Tgt Ion:178 Resp: 36528

Ion Ratio Lower Upper

178 100

176 18.1 15.2 22.8

179 16.6 13.0 19.4



#75

Fluoranthene

Concen: 11.710 ng

RT: 19.397 min Scan# 2793

Delta R.T. -0.026 min

Lab File: BG053744.D

Acq: 27 May 2022 22:13

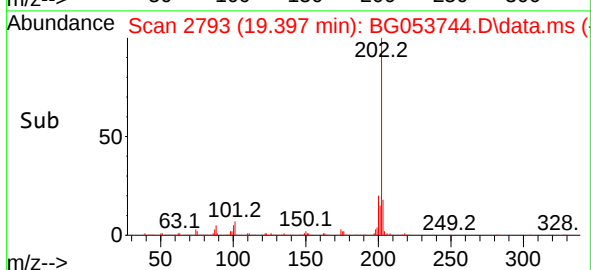
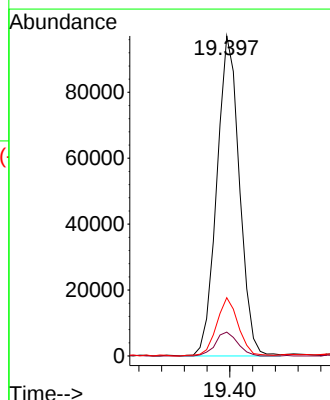
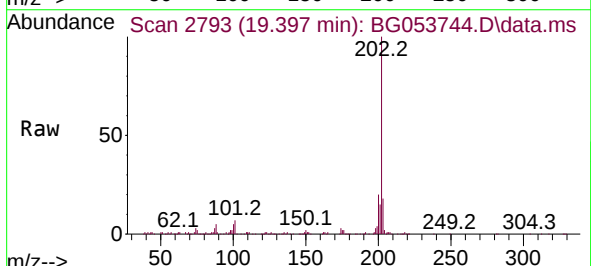
Tgt Ion:202 Resp: 134318

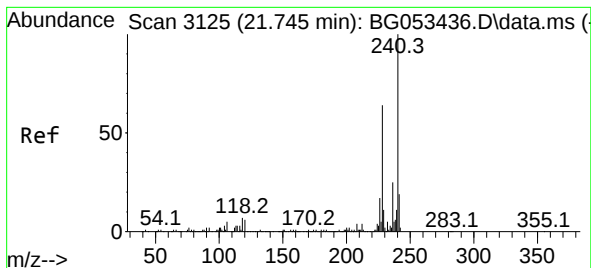
Ion Ratio Lower Upper

202 100

101 7.5 0.0 26.9

203 18.2 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.606 min Scan# 31

Delta R.T. -0.032 min

Lab File: BG053744.D

Acq: 27 May 2022 22:13

Instrument :

BNA_G

ClientSampleId :

TP-02-COMP

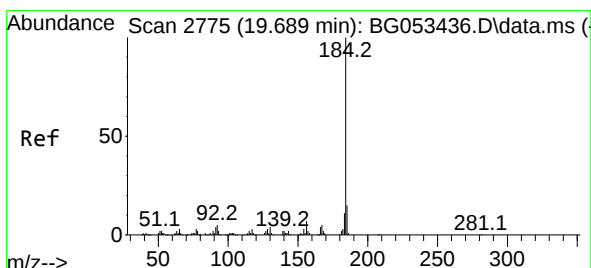
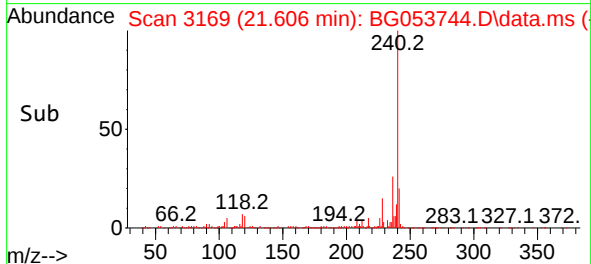
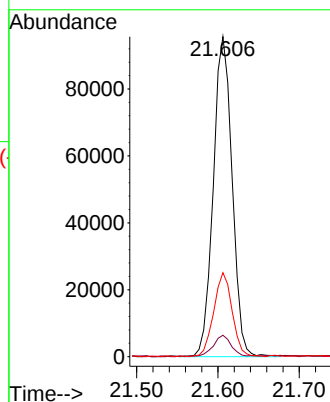
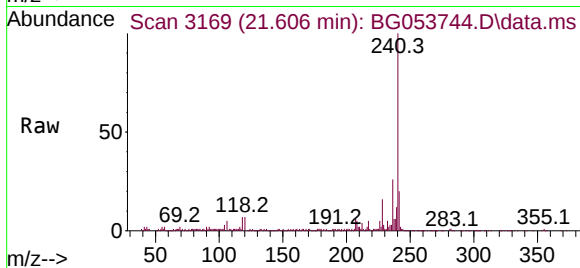
Tgt Ion:240 Resp: 154256

Ion Ratio Lower Upper

240 100

120 6.7 4.6 7.0

236 26.3 20.2 30.4



#77

Benzidine

Concen: 2.703 ng

RT: 19.955 min Scan# 2888

Delta R.T. 0.355 min

Lab File: BG053744.D

Acq: 27 May 2022 22:13

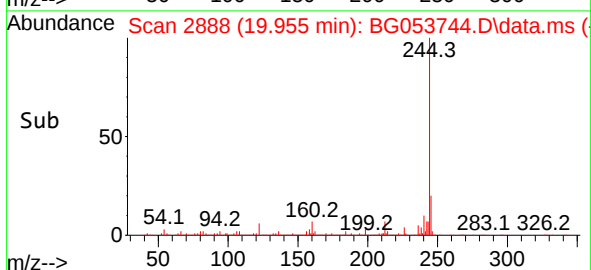
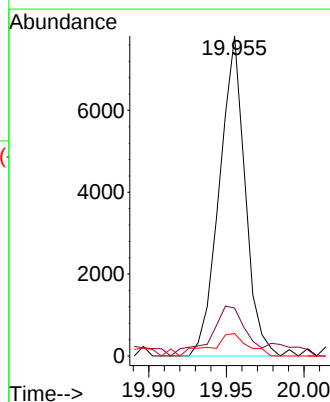
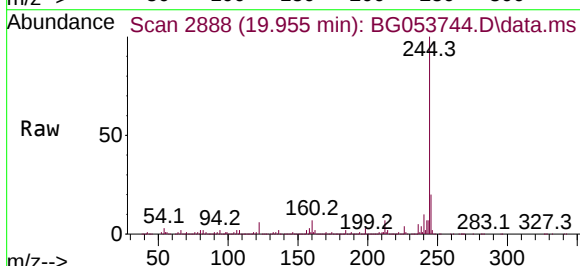
Tgt Ion:184 Resp: 8987

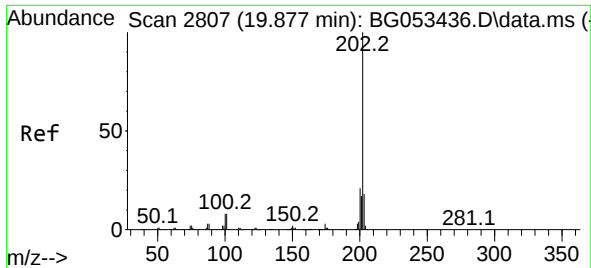
Ion Ratio Lower Upper

184 100

185 15.0 11.8 17.6

183 7.0 8.9 13.3#

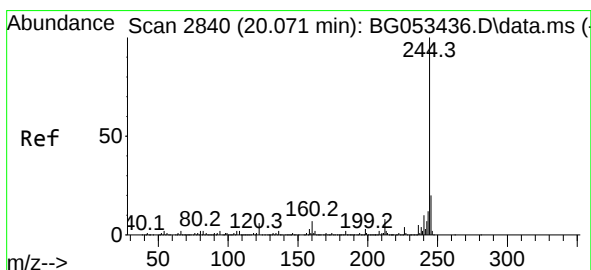
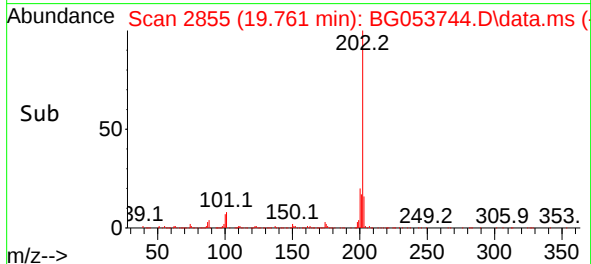
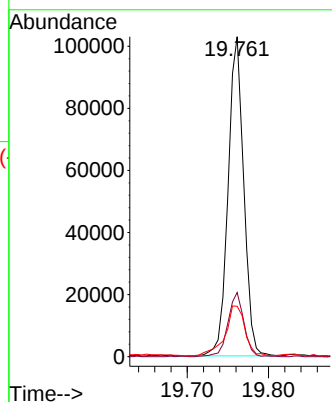
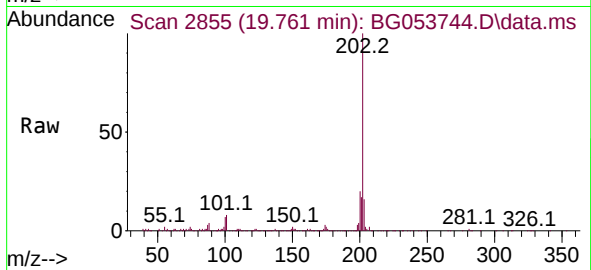




#78
 Pyrene
 Concen: 13.821 ng
 RT: 19.761 min Scan# 2
 Delta R.T. -0.026 min
 Lab File: BG053744.D
 Acq: 27 May 2022 22:13

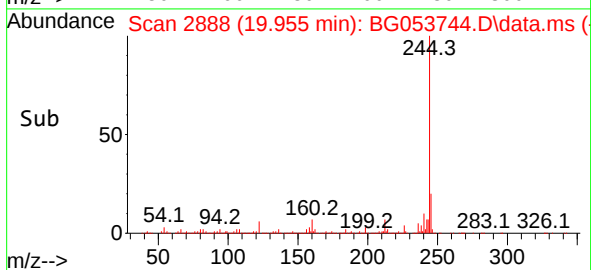
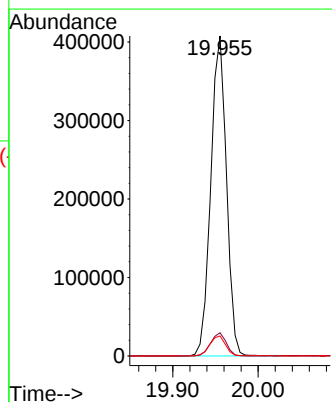
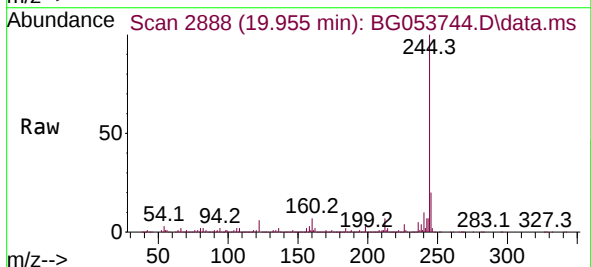
Instrument :
 BNA_G
 ClientSampleId :
 TP-02-COMP

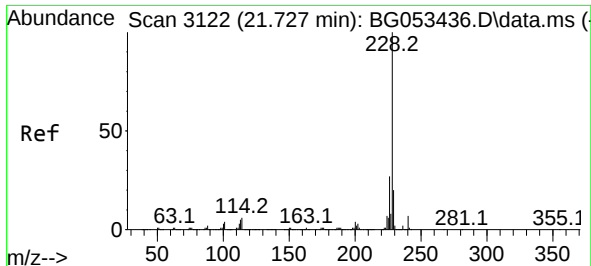
Tgt Ion:202 Resp: 138014
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.6 24.8
 203 15.7 14.6 21.8



#79
 Terphenyl-d14
 Concen: 62.830 ng
 RT: 19.955 min Scan# 2888
 Delta R.T. -0.021 min
 Lab File: BG053744.D
 Acq: 27 May 2022 22:13

Tgt Ion:244 Resp: 520377
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 6.3 5.0 7.4

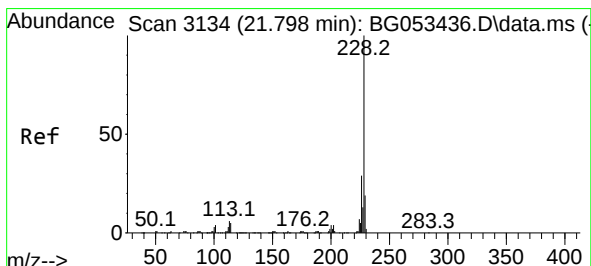
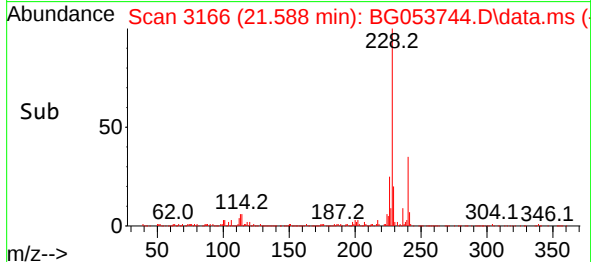
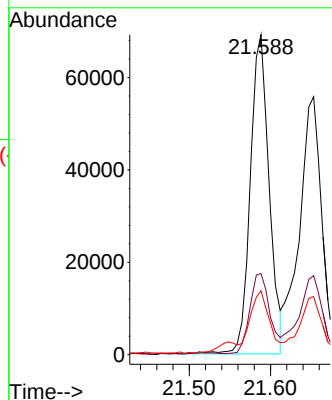
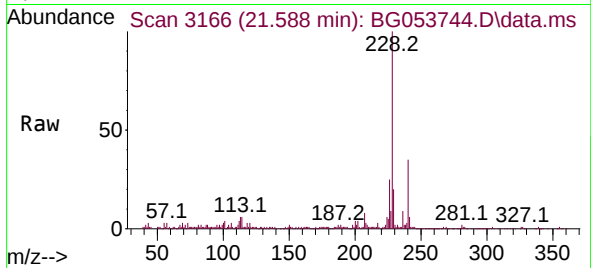




#81
Benzo(a)anthracene
Concen: 11.318 ng
RT: 21.588 min Scan# 31166
Delta R.T. -0.026 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

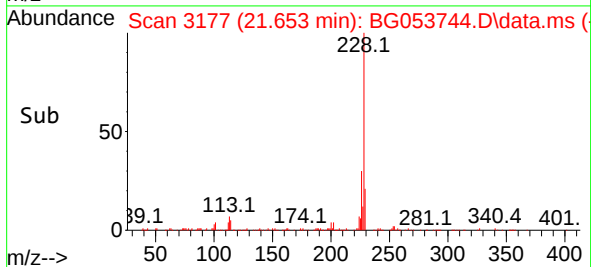
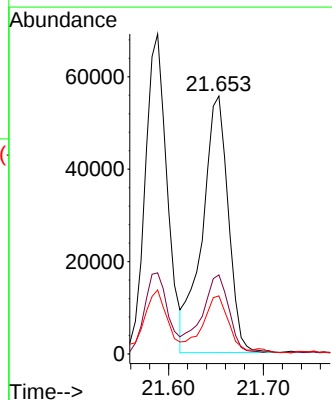
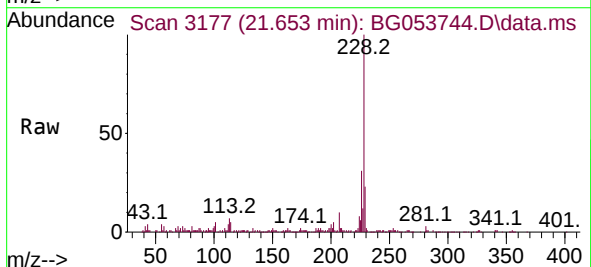
Instrument :
BNA_G
ClientSampleId :
TP-02-COMP

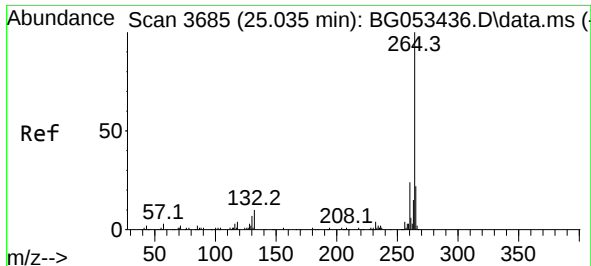
Tgt Ion:228 Resp: 111350
Ion Ratio Lower Upper
228 100
226 25.4 21.6 32.4
229 20.0 16.2 24.2



#83
Chrysene
Concen: 11.522 ng
RT: 21.653 min Scan# 3177
Delta R.T. -0.032 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

Tgt Ion:228 Resp: 105877
Ion Ratio Lower Upper
228 100
226 30.6 23.4 35.2
229 22.5 15.5 23.3

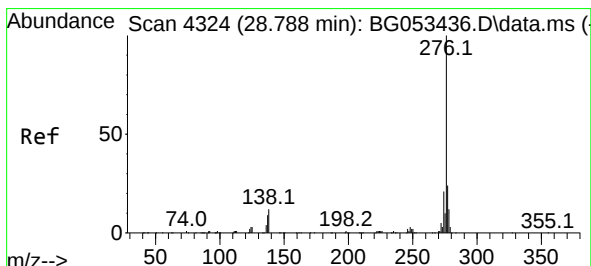
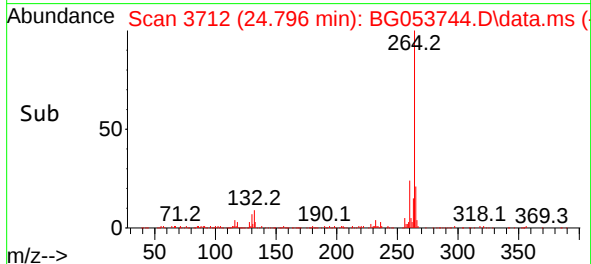
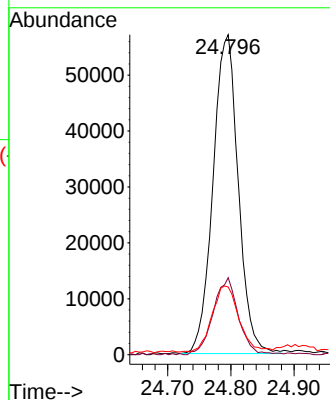
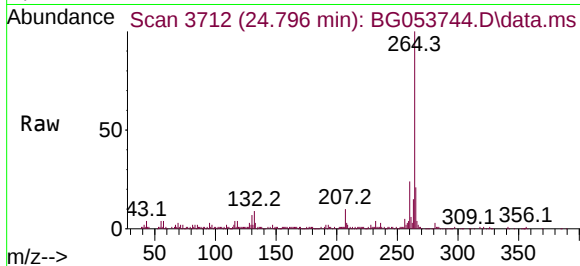




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.796 min Scan# 31
 Delta R.T. -0.044 min
 Lab File: BG053744.D
 Acq: 27 May 2022 22:13

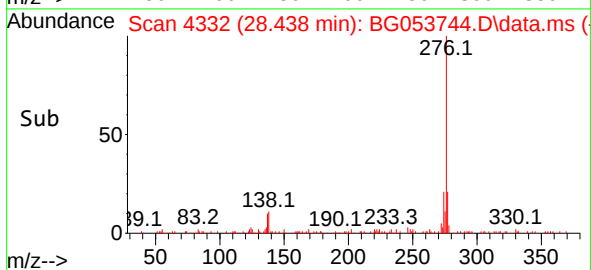
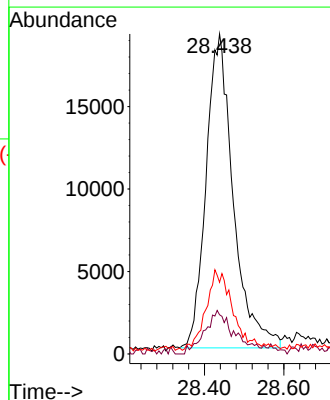
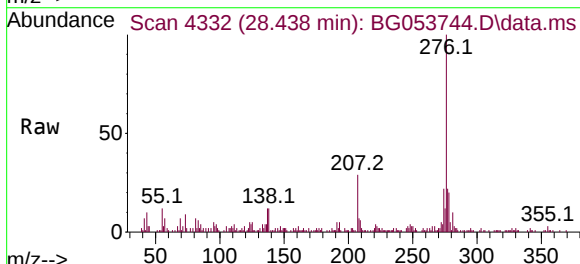
Instrument :
 BNA_G
 ClientSampleId :
 TP-02-COMP

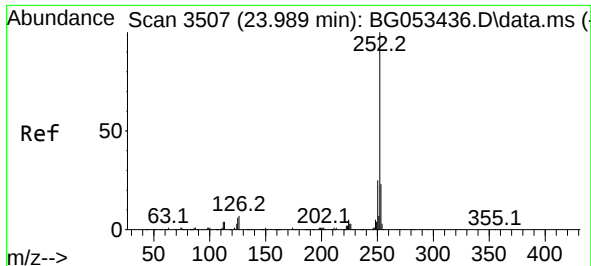
Tgt Ion:264 Resp: 158137
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.0 28.6
 265 21.1 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.224 ng
 RT: 28.438 min Scan# 4332
 Delta R.T. -0.073 min
 Lab File: BG053744.D
 Acq: 27 May 2022 22:13

Tgt Ion:276 Resp: 90574
 Ion Ratio Lower Upper
 276 100
 138 11.2 5.0 7.4#
 277 24.4 20.3 30.5

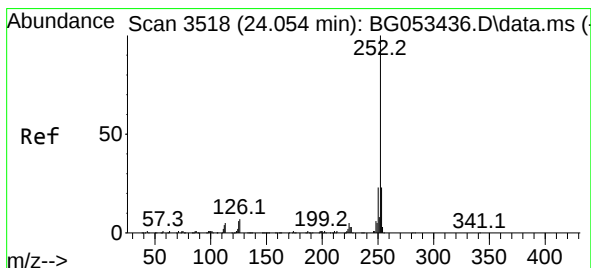
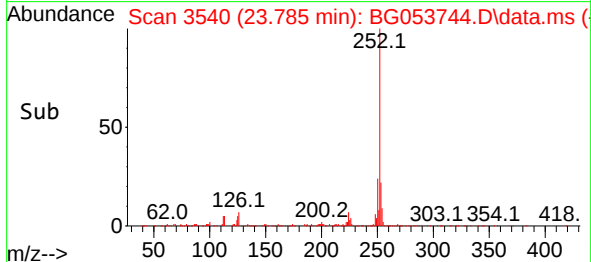
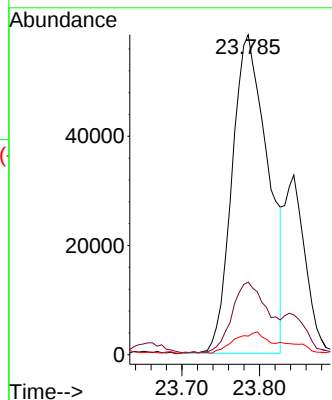
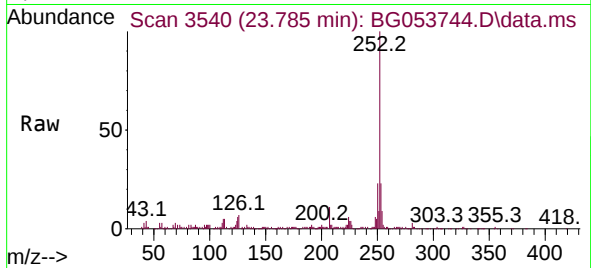




#88
Benzo(b)fluoranthene
Concen: 19.990 ng
RT: 23.785 min Scan# 3540
Delta R.T. -0.038 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

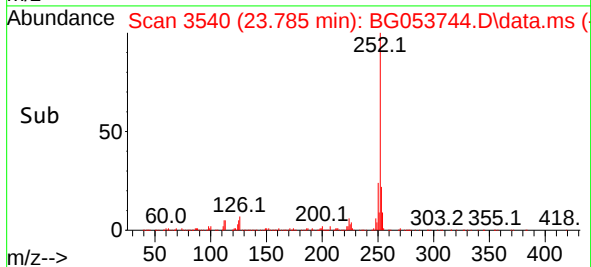
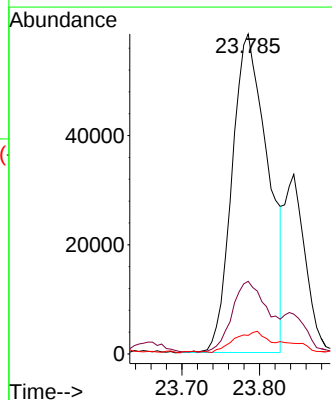
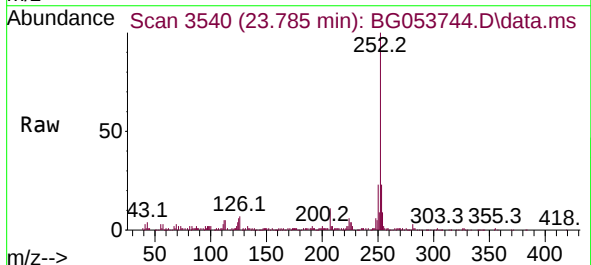
Instrument :
BNA_G
ClientSampleId :
TP-02-COMP

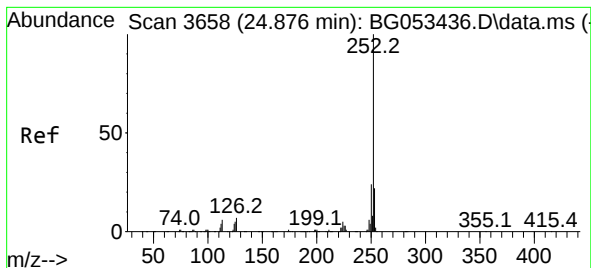
Tgt Ion:252 Resp: 187111
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 5.8 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 20.342 ng
RT: 23.785 min Scan# 3540
Delta R.T. -0.103 min
Lab File: BG053744.D
Acq: 27 May 2022 22:13

Tgt Ion:252 Resp: 187111
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 5.8 4.8 7.2





#90

Benzo(a)pyrene

Concen: 12.925 ng

RT: 24.643 min Scan# 3

Delta R.T. -0.044 min

Lab File: BG053744.D

Acq: 27 May 2022 22:13

Instrument :

BNA_G

ClientSampleId :

TP-02-COMP

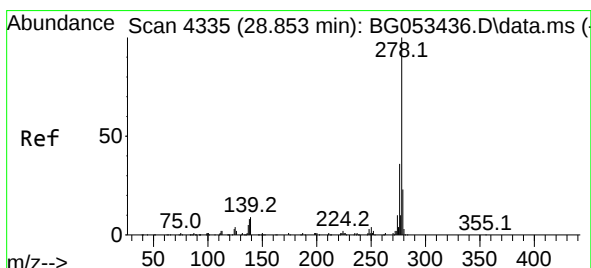
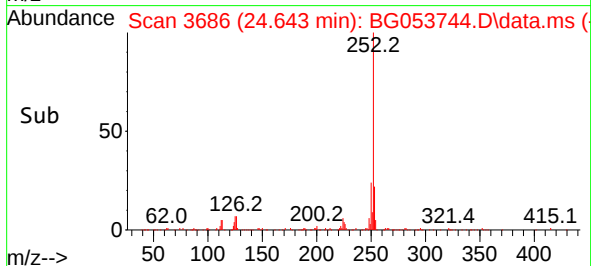
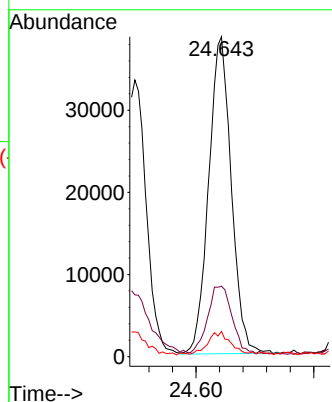
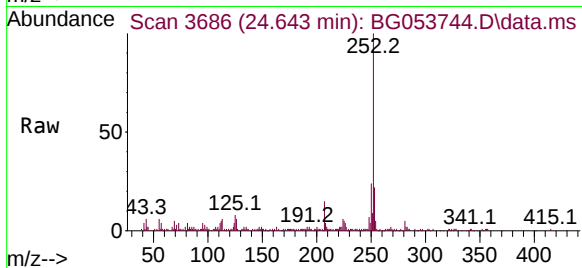
Tgt Ion:252 Resp: 102973

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 7.9 4.3 6.5#



#91

Dibenzo(a,h)anthracene

Concen: 2.548 ng

RT: 28.473 min Scan# 4338

Delta R.T. -0.079 min

Lab File: BG053744.D

Acq: 27 May 2022 22:13

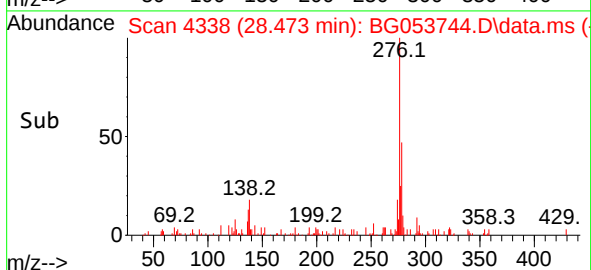
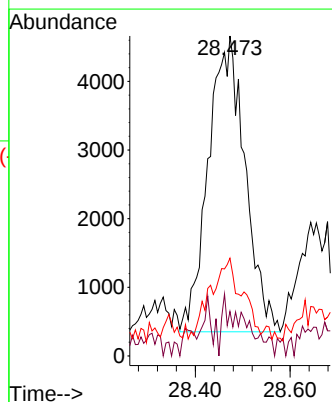
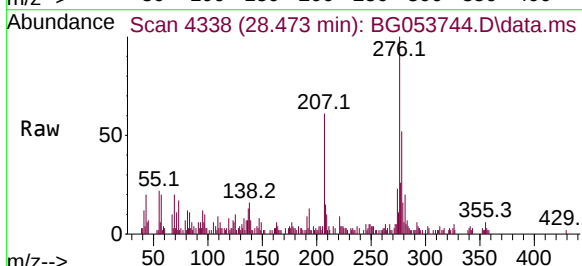
Tgt Ion:278 Resp: 23126

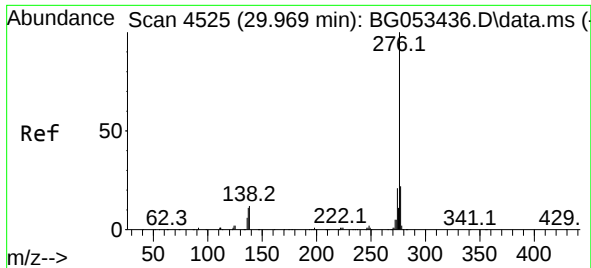
Ion Ratio Lower Upper

278 100

139 13.9 7.2 10.8#

279 30.6 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 8.904 ng
 RT: 29.572 min Scan# 41
 Delta R.T. -0.079 min
 Lab File: BG053744.D
 Acq: 27 May 2022 22:13

Instrument :
 BNA_G
 ClientSampleId :
 TP-02-COMP

Tgt Ion:276 Resp: 80103
 Ion Ratio Lower Upper
 276 100
 277 22.0 17.3 25.9
 138 14.1 9.6 14.4

