

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
 Data File : BG053743.D
 Acq On : 27 May 2022 21:33
 Operator : CG/JU
 Sample : N3070-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IG1

Quant Time: May 28 02:00:54 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)

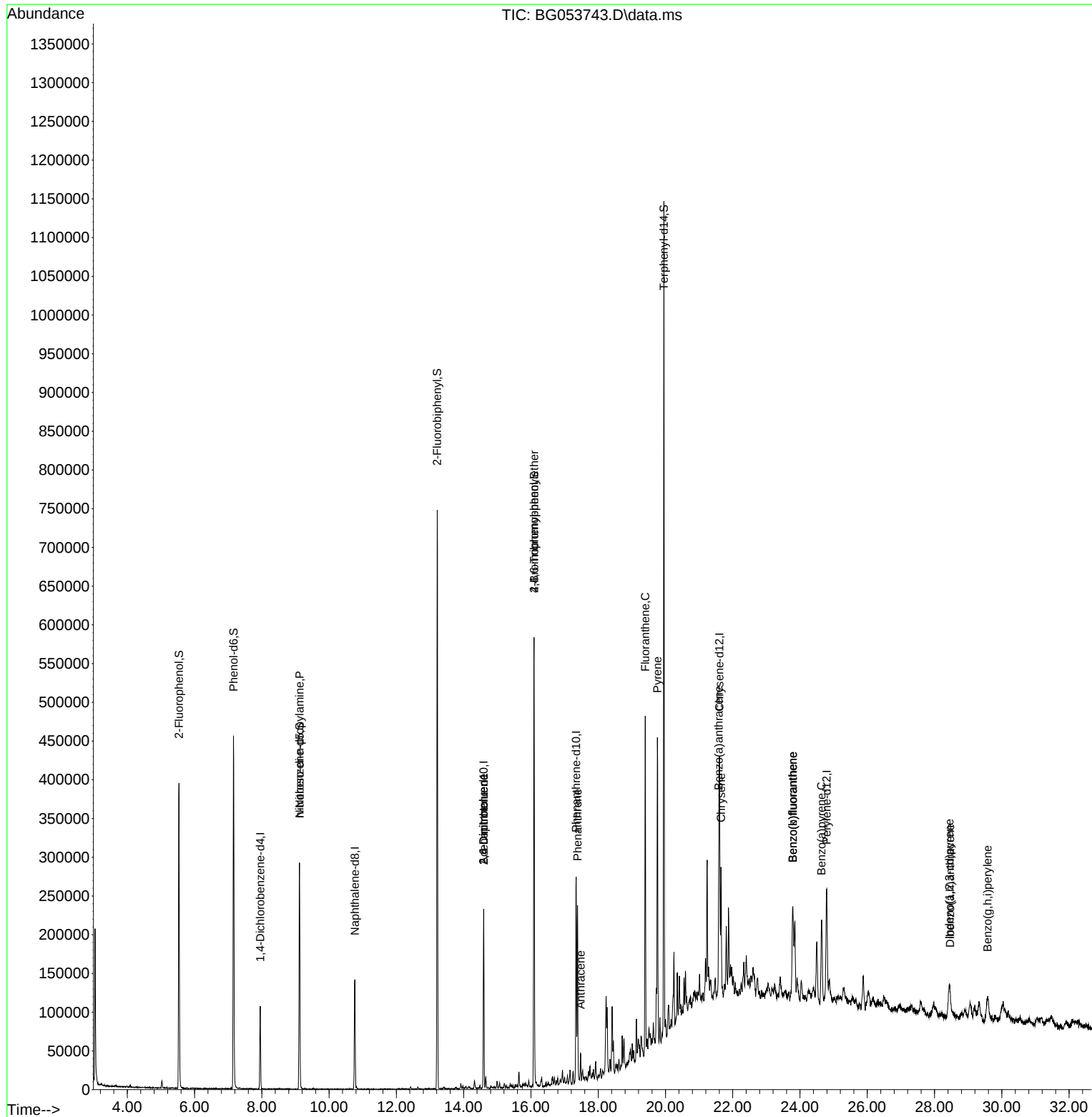
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.952	152	27808	20.000	ng	-0.03
21) Naphthalene-d8	10.765	136	112614	20.000	ng	-0.03
39) Acenaphthene-d10	14.596	164	83028	20.000	ng	-0.03
64) Phenanthrene-d10	17.345	188	166062	20.000	ng	-0.03
76) Chrysene-d12	21.604	240	147502	20.000	ng	-0.03
86) Perylene-d12	24.794	264	152394	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.537	112	163654	99.879	ng	-0.02
7) Phenol-d6	7.159	99	257346	103.488	ng	0.00
23) Nitrobenzene-d5	9.121	82	179279	67.768	ng	-0.03
42) 2,4,6-Tribromophenol	16.094	330	113991	93.087	ng	-0.02
45) 2-Fluorobiphenyl	13.215	172	384677	67.703	ng	-0.03
79) Terphenyl-d14	19.953	244	527152	66.562	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.121	70	25699	14.404	ng	# 75
51) 2,6-Dinitrotoluene	14.596	165	9936	7.730	ng	# 17
57) 2,4-Dinitrotoluene	14.596	165	9936	5.333	ng	# 23
67) 4-Bromophenyl-phenylether	16.094	248	7249	3.738	ng	# 1
71) Phenanthrene	17.386	178	141021	16.701	ng	99
72) Anthracene	17.480	178	24926	3.003	ng	96
75) Fluoranthene	19.401	202	275122	25.164	ng	99
78) Pyrene	19.759	202	262353	27.476	ng	98
81) Benzo(a)anthracene	21.586	228	121067	12.869	ng	98
83) Chrysene	21.651	228	122394	13.929	ng	95
87) Indeno(1,2,3-cd)pyrene	28.442	276	73251	6.901	ng	97
88) Benzo(b)fluoranthene	23.783	252	151191	16.761	ng	99
89) Benzo(k)fluoranthene	23.783	252	151191	17.057	ng	99
90) Benzo(a)pyrene	24.641	252	115922	15.098	ng	# 97
91) Dibenzo(a,h)anthracene	28.465	278	20764	2.374	ng	# 76
92) Benzo(g,h,i)perylene	29.575	276	75470	8.705	ng	# 93

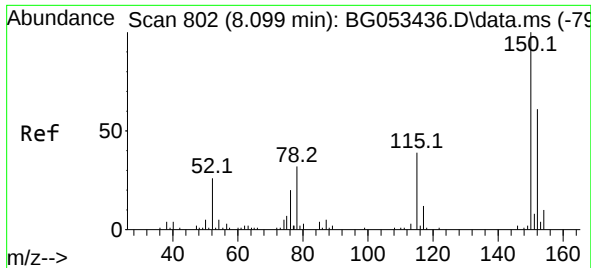
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
Data File : BG053743.D
Acq On : 27 May 2022 21:33
Operator : CG/JU
Sample : N3070-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
IG1

Quant Time: May 28 02:00:54 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

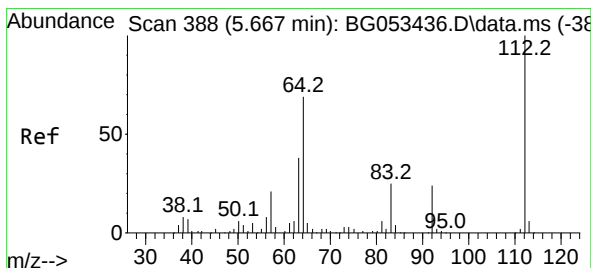
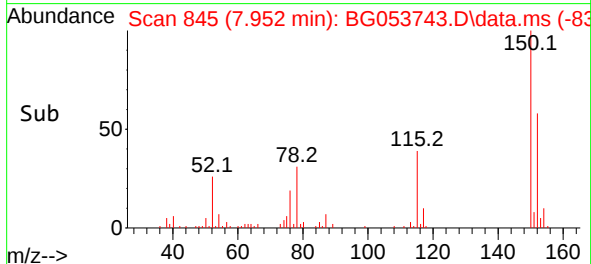
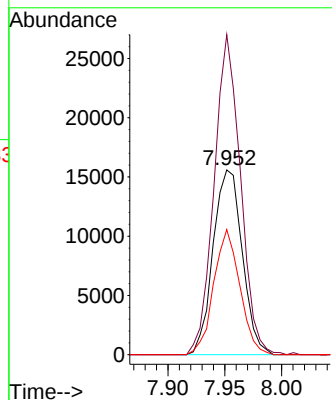
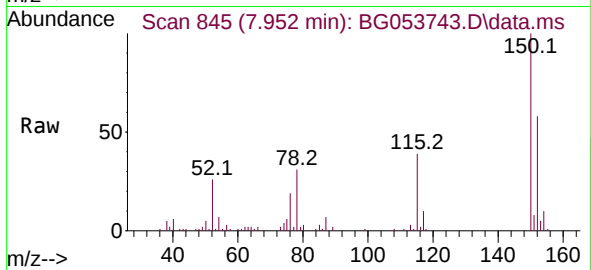




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.952 min Scan# 84
Delta R.T. -0.034 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

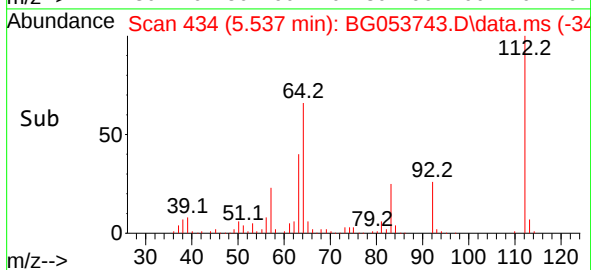
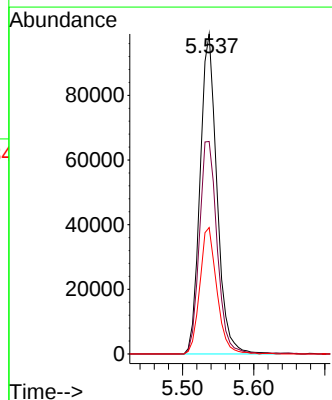
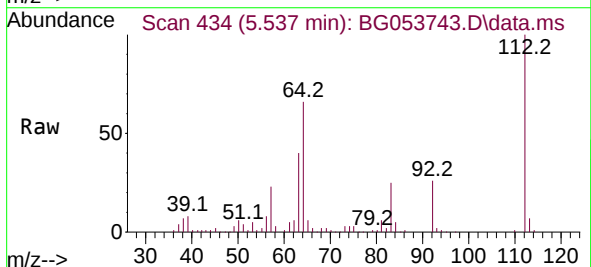
Instrument :
BNA_G
ClientSampleId :
IG1

Tgt Ion:152 Resp: 27808
Ion Ratio Lower Upper
152 100
150 173.2 131.6 197.4
115 67.7 50.9 76.3



#5
2-Fluorophenol
Concen: 99.879 ng
RT: 5.537 min Scan# 434
Delta R.T. -0.017 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

Tgt Ion:112 Resp: 163654
Ion Ratio Lower Upper
112 100
64 66.4 55.1 82.7
63 39.5 30.4 45.6

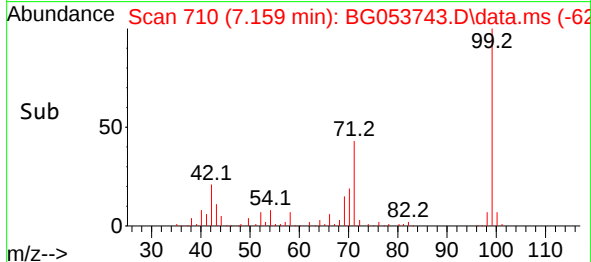
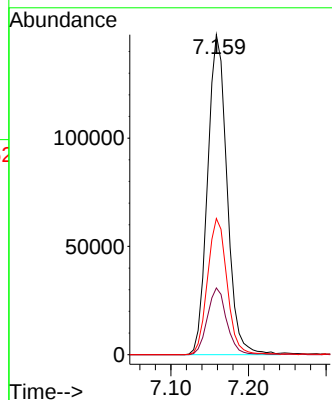
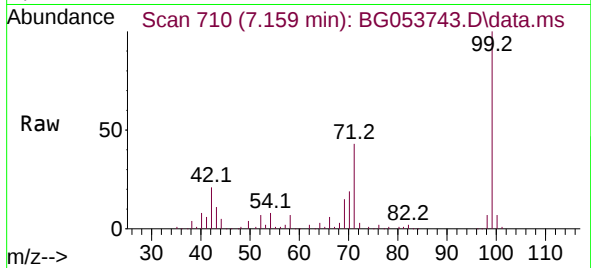




#7
Phenol-d6
Concen: 103.488 ng
RT: 7.159 min Scan# 71
Delta R.T. -0.005 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

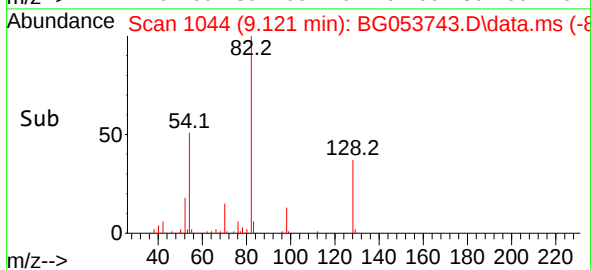
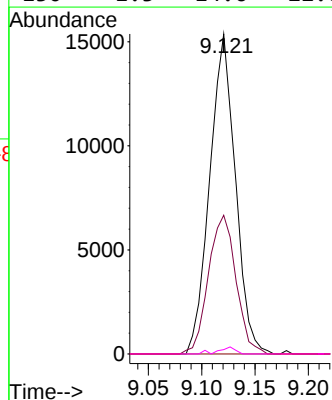
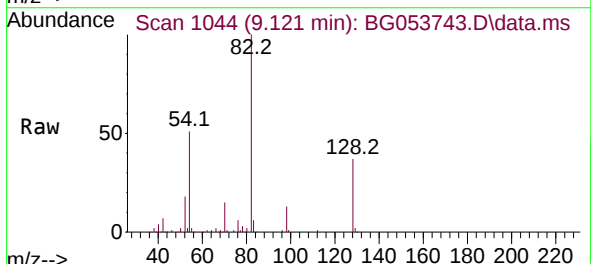
Instrument :
BNA_G
ClientSampleId :
IG1

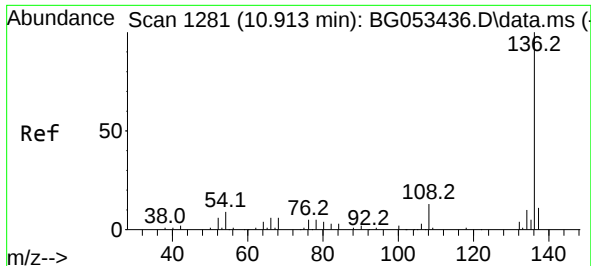
Tgt Ion: 99 Resp: 257346
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 42.5 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.404 ng
RT: 9.121 min Scan# 1044
Delta R.T. 0.324 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

Tgt Ion: 70 Resp: 25699
Ion Ratio Lower Upper
70 100
42 43.4 47.3 70.9#
101 0.0 7.0 10.4#
130 1.3 14.6 22.0#

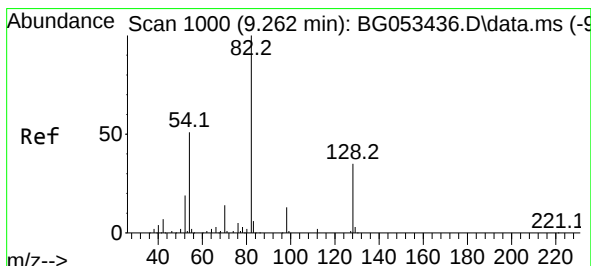
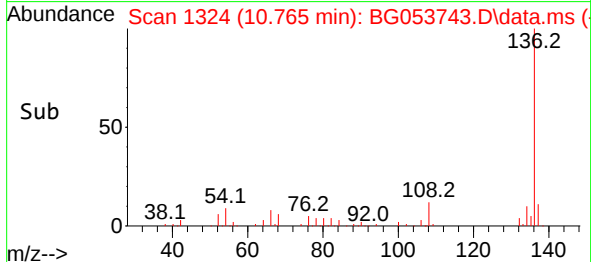
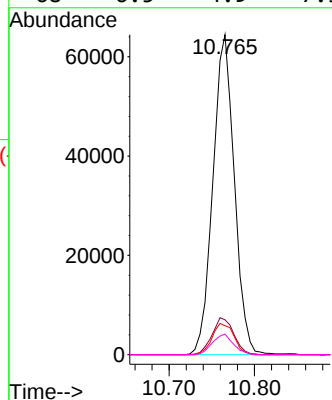
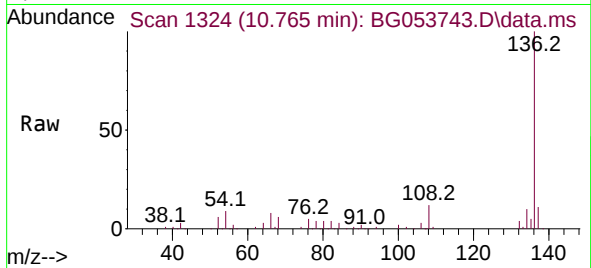




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.765 min Scan# 11
Delta R.T. -0.035 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

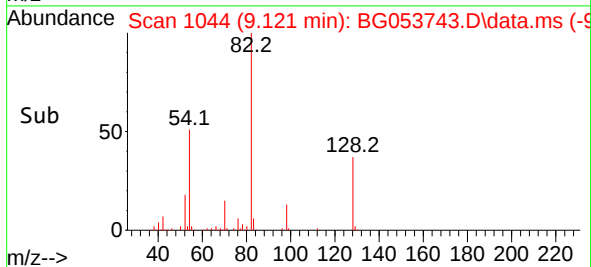
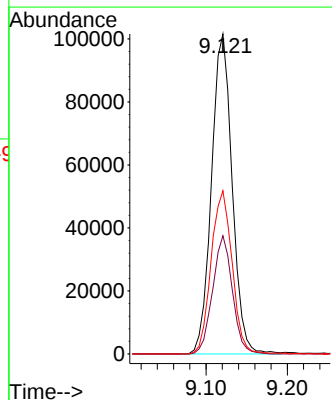
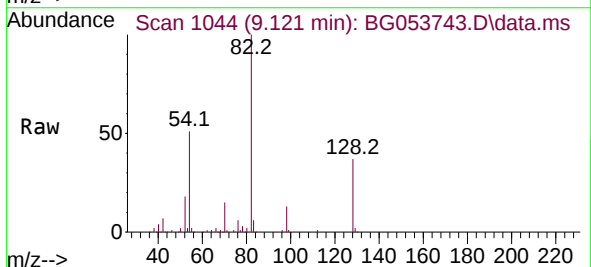
Instrument :
BNA_G
ClientSampleId :
IG1

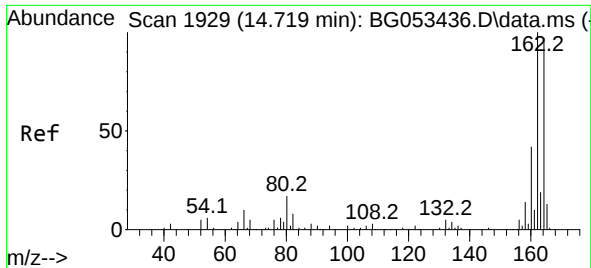
Tgt Ion:136	Resp:	112614	
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	9.0	7.4	11.2
68	6.5	4.9	7.3



#23
Nitrobenzene-d5
Concen: 67.768 ng
RT: 9.121 min Scan# 1044
Delta R.T. -0.035 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

Tgt Ion: 82	Resp: 179279
Ion Ratio	Lower Upper
82 100	
128 37.0	27.9 41.9
54 51.0	41.2 61.8

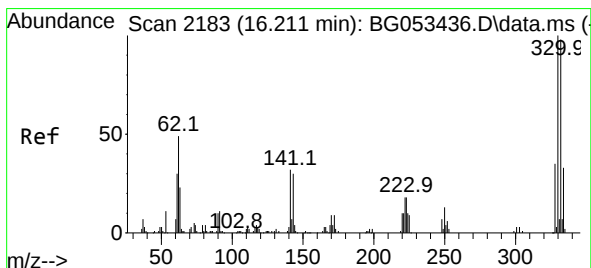
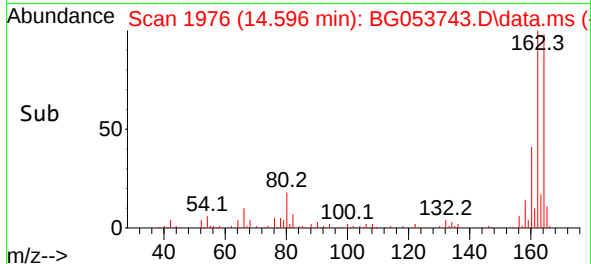
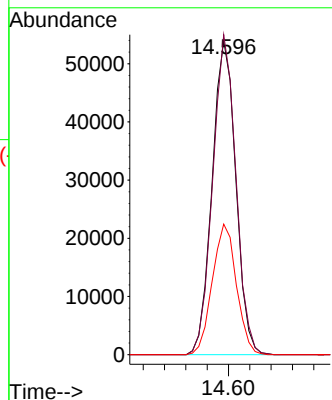
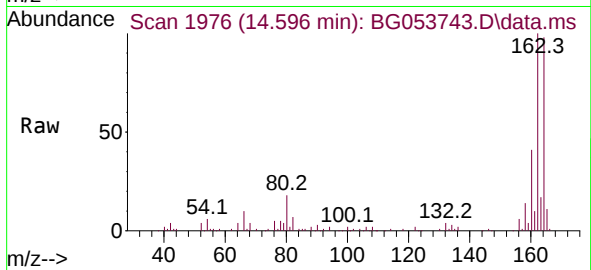




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.596 min Scan# 1929
Delta R.T. -0.029 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

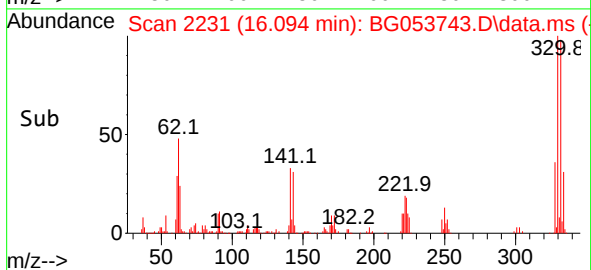
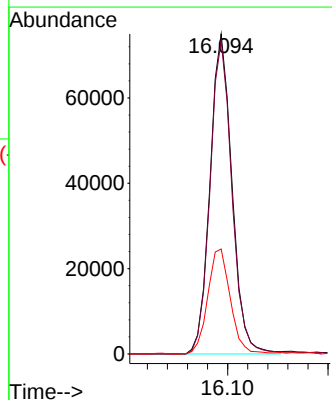
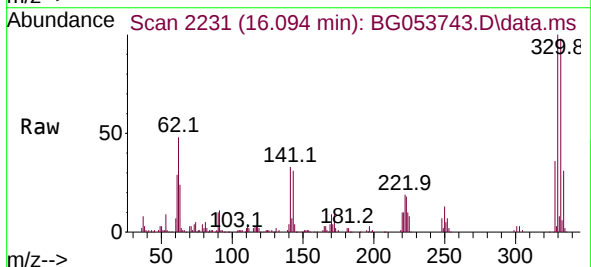
Instrument :
BNA_G
ClientSampleId :
IG1

Tgt Ion:164 Resp: 83028
Ion Ratio Lower Upper
164 100
162 102.0 82.3 123.5
160 41.6 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 93.087 ng
RT: 16.094 min Scan# 2231
Delta R.T. -0.023 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

Tgt Ion:330 Resp: 113991
Ion Ratio Lower Upper
330 100
332 98.0 76.0 114.0
141 33.8 27.1 40.7

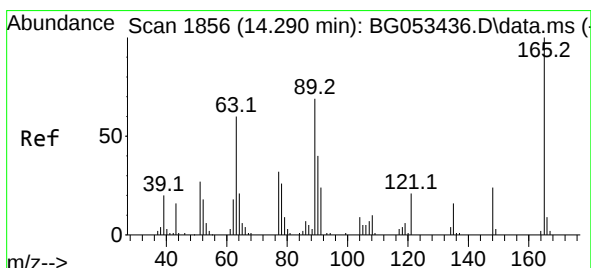
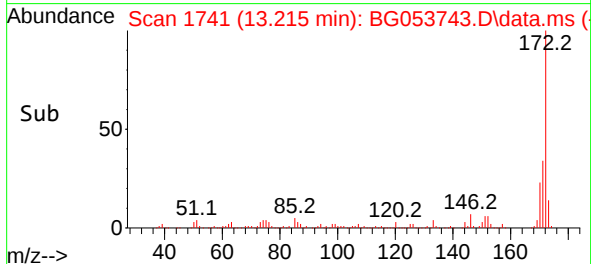
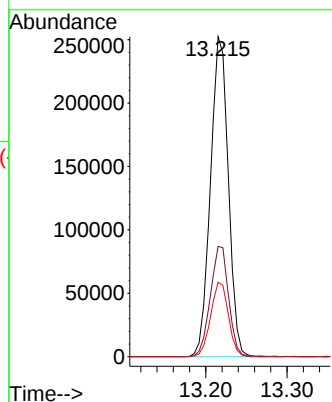
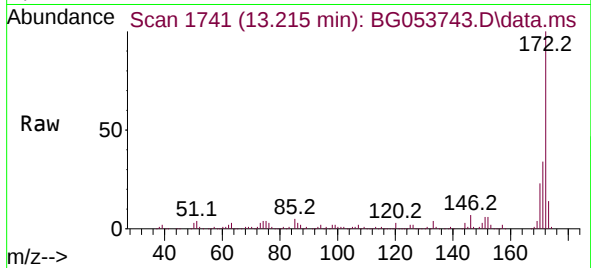




#45
2-Fluorobiphenyl
Concen: 67.703 ng
RT: 13.215 min Scan# 1
Delta R.T. -0.029 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

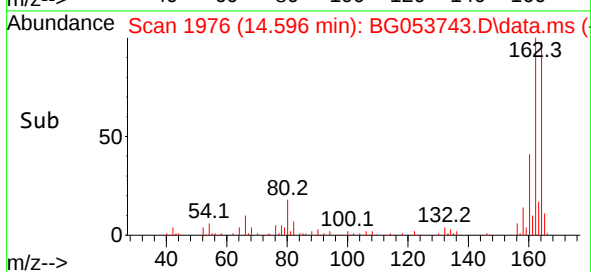
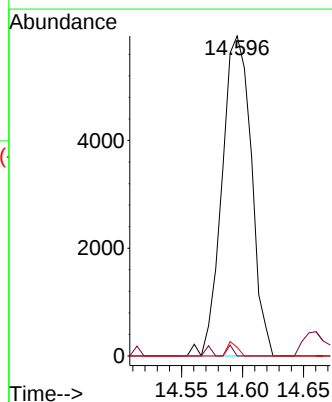
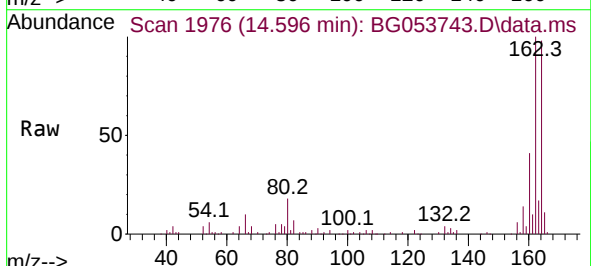
Instrument :
BNA_G
ClientSampleId :
IG1

Tgt Ion:172 Resp: 384677
Ion Ratio Lower Upper
172 100
171 34.5 28.5 42.7
170 23.2 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 7.730 ng
RT: 14.596 min Scan# 1976
Delta R.T. 0.394 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

Tgt Ion:165 Resp: 9936
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 2.7 54.8 82.2#

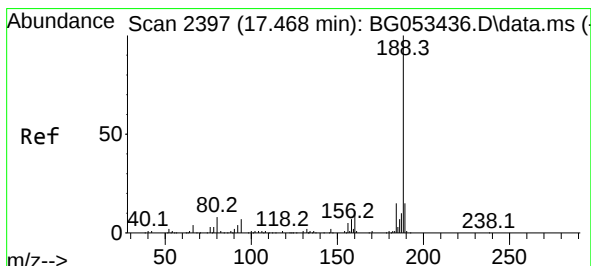
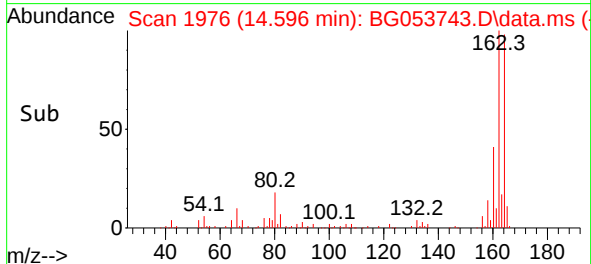
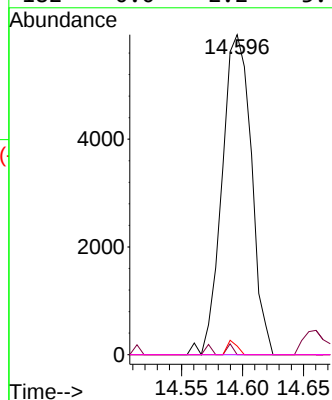
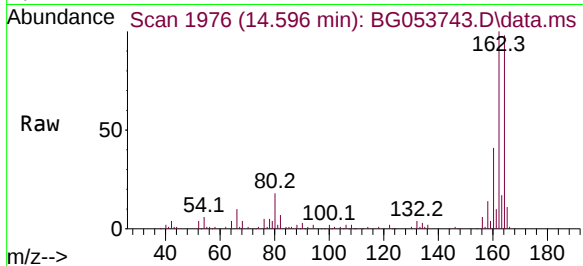




#57
2,4-Dinitrotoluene
Concen: 5.333 ng
RT: 14.596 min Scan# 14596
Delta R.T. -0.399 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

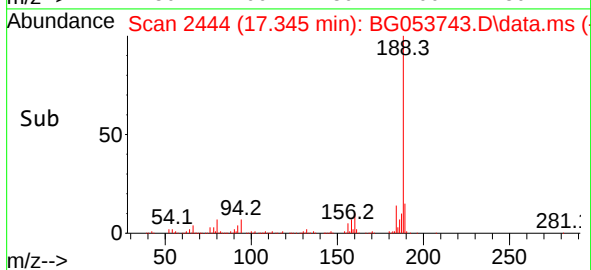
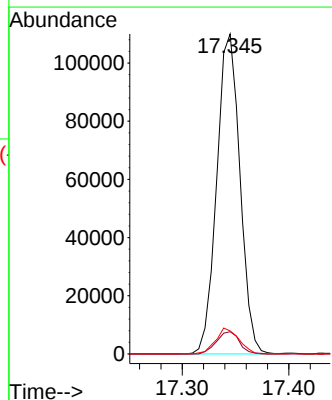
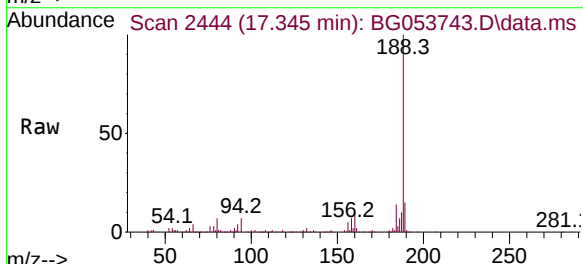
Instrument :
BNA_G
ClientSampleId :
IG1

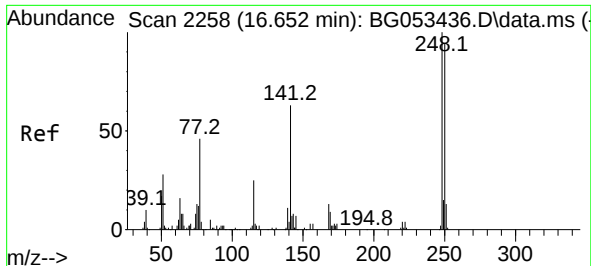
Tgt Ion:165	Resp:	9936
Ion Ratio	Lower	Upper
165	100	
63	0.0	34.6
89	2.7	60.3
182	0.0	2.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.345 min Scan# 2444
Delta R.T. -0.029 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

Tgt Ion:188	Resp:	166062
Ion Ratio	Lower	Upper
188	100	
94	6.9	5.4
80	7.2	6.8

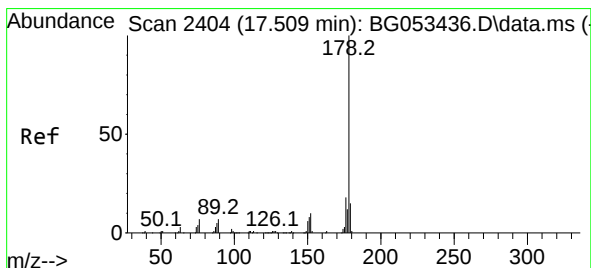
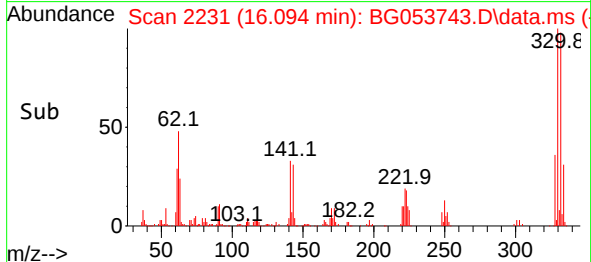
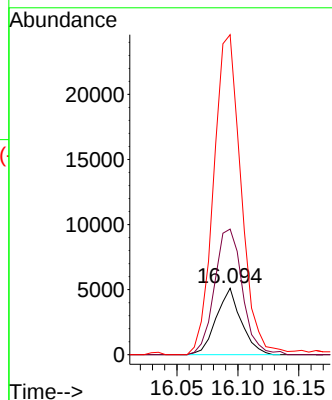
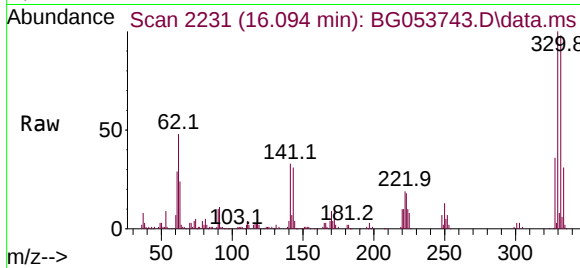




#67
4-Bromophenyl-phenylether
Concen: 3.738 ng
RT: 16.094 min Scan# 21
Delta R.T. -0.457 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

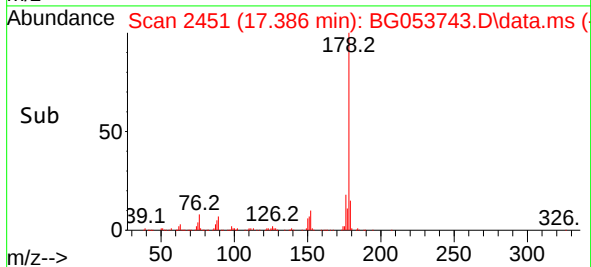
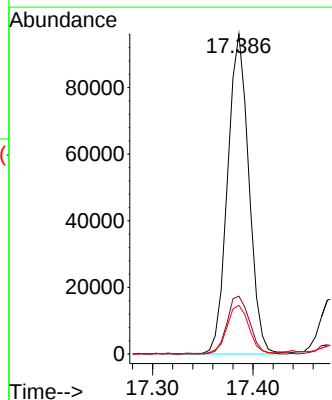
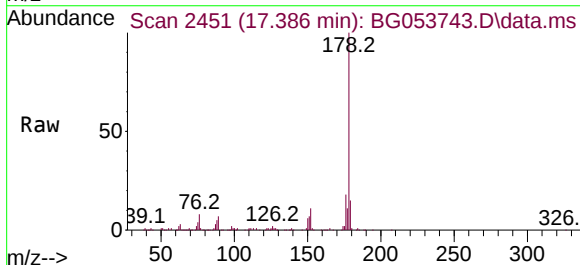
Instrument :
BNA_G
ClientSampleId :
IG1

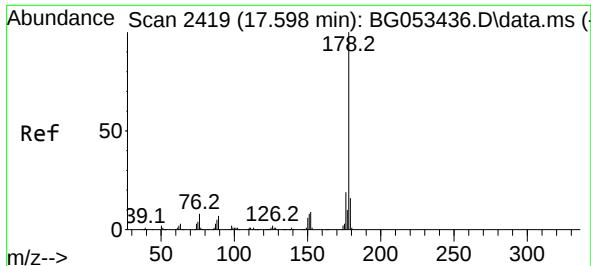
Tgt Ion:248 Resp: 7249
Ion Ratio Lower Upper
248 100
250 189.0 75.2 112.8#
141 481.3 50.0 75.0#



#71
Phenanthrene
Concen: 16.701 ng
RT: 17.386 min Scan# 2451
Delta R.T. -0.029 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

Tgt Ion:178 Resp: 141021
Ion Ratio Lower Upper
178 100
176 18.0 14.1 21.1
179 15.2 12.1 18.1

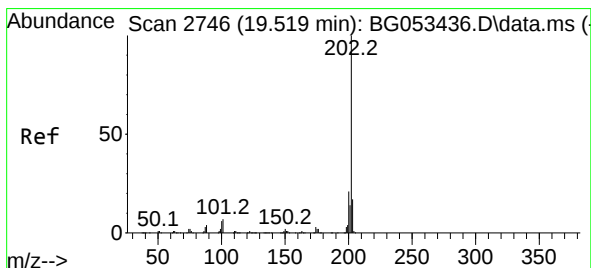
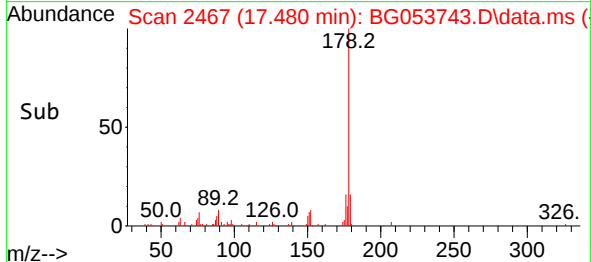
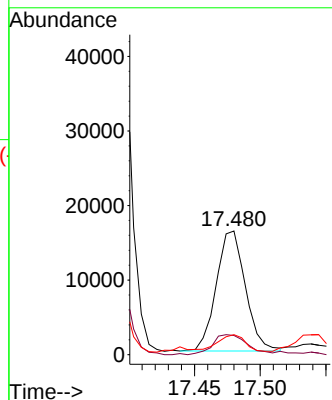
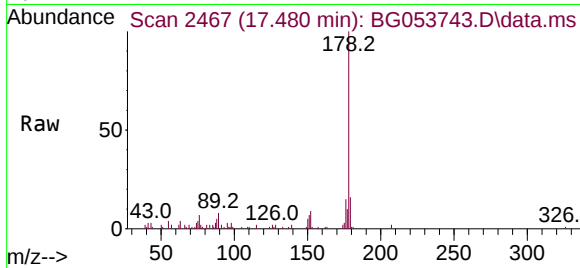




#72
 Anthracene
 Concen: 3.003 ng
 RT: 17.480 min Scan# 2419
 Delta R.T. -0.023 min
 Lab File: BG053743.D
 Acq: 27 May 2022 21:33

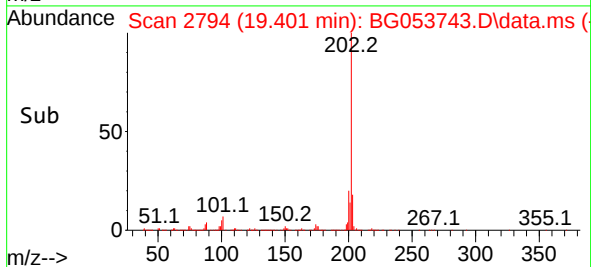
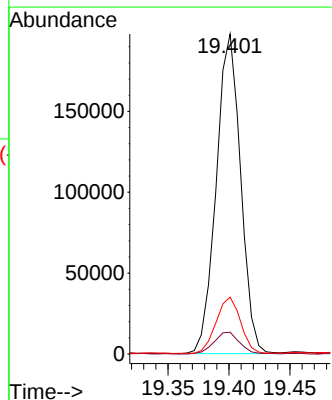
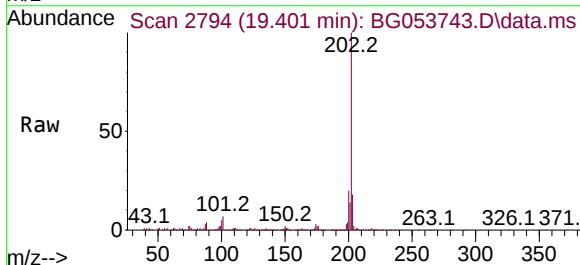
Instrument :
 BNA_G
 ClientSampleId :
 IG1

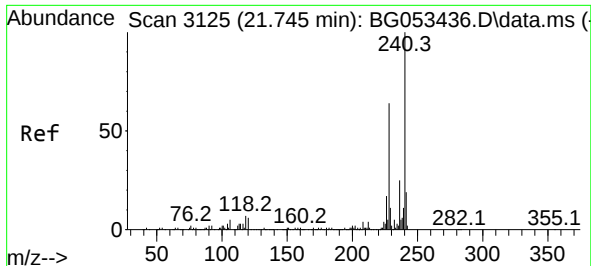
Tgt Ion:178 Resp: 24926
 Ion Ratio Lower Upper
 178 100
 176 15.5 15.2 22.8
 179 16.1 13.0 19.4



#75
 Fluoranthene
 Concen: 25.164 ng
 RT: 19.401 min Scan# 2794
 Delta R.T. -0.023 min
 Lab File: BG053743.D
 Acq: 27 May 2022 21:33

Tgt Ion:202 Resp: 275122
 Ion Ratio Lower Upper
 202 100
 101 6.8 0.0 26.9
 203 17.7 0.0 37.2

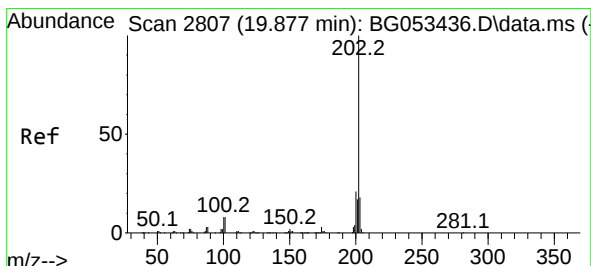
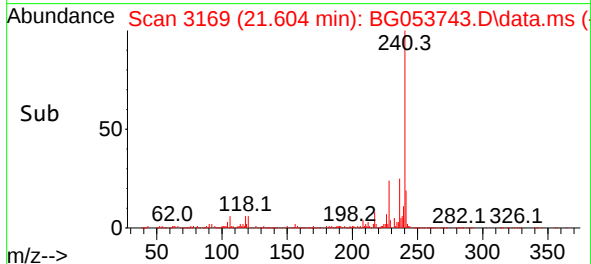
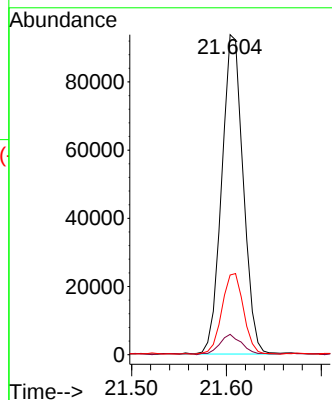
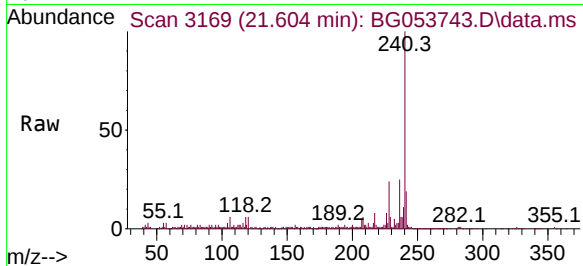




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.604 min Scan# 31
Delta R.T. -0.035 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

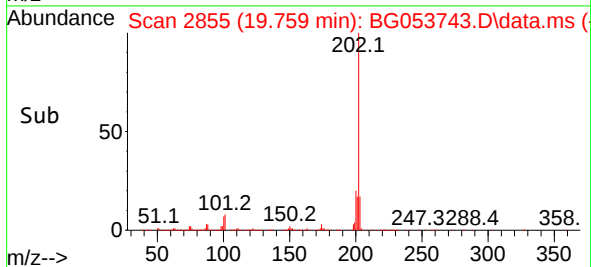
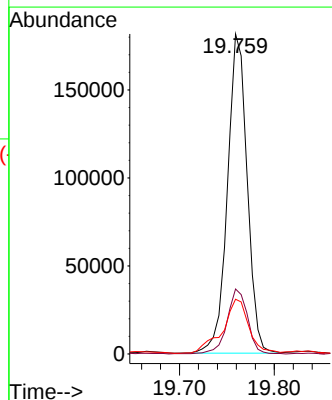
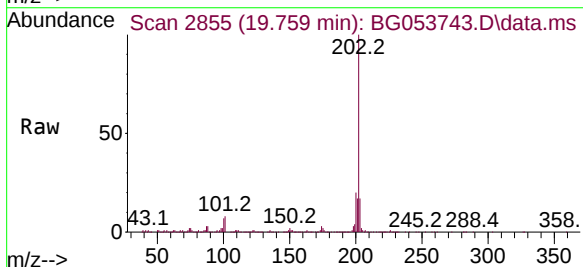
Instrument :
BNA_G
ClientSampleId :
IG1

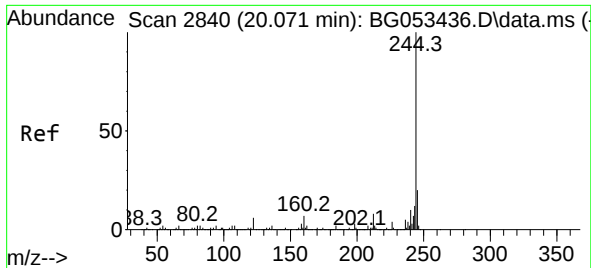
Tgt Ion:240 Resp: 147502
Ion Ratio Lower Upper
240 100
120 6.3 4.6 7.0
236 24.9 20.2 30.4



#78
Pyrene
Concen: 27.476 ng
RT: 19.759 min Scan# 2855
Delta R.T. -0.029 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

Tgt Ion:202 Resp: 262353
Ion Ratio Lower Upper
202 100
200 20.3 16.6 24.8
203 17.1 14.6 21.8

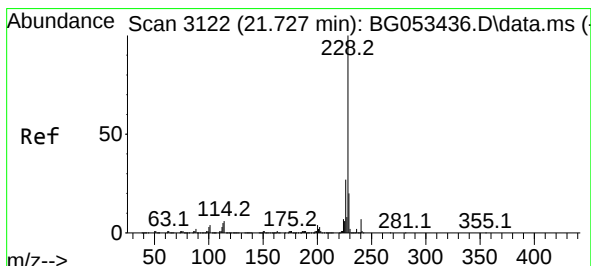
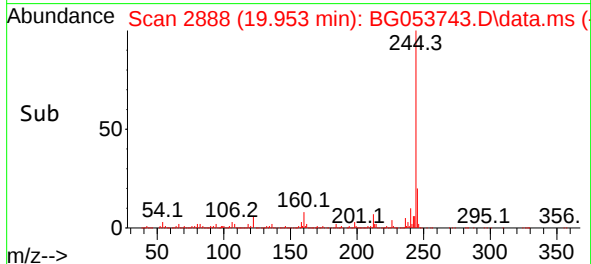
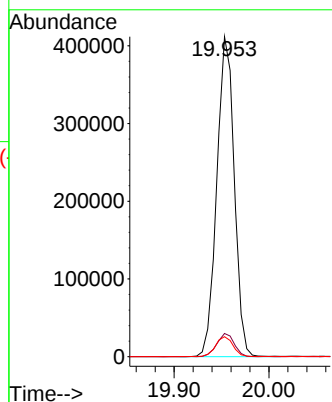
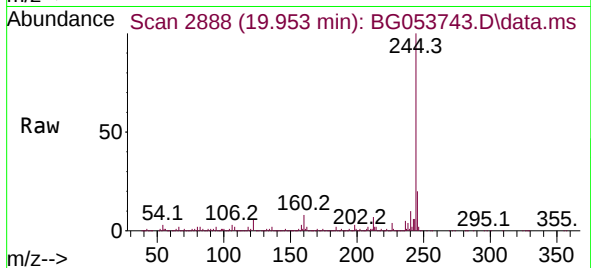




#79
 Terphenyl-d14
 Concen: 66.562 ng
 RT: 19.953 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BG053743.D
 Acq: 27 May 2022 21:33

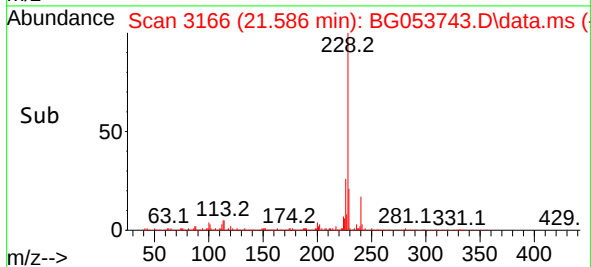
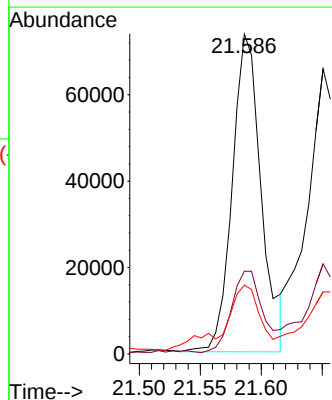
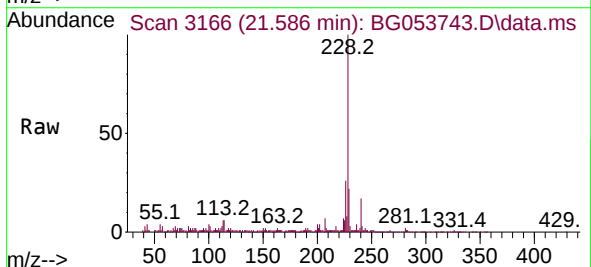
Instrument :
 BNA_G
 ClientSampleId :
 IG1

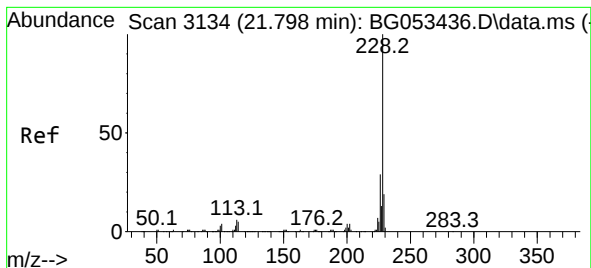
Tgt Ion:244 Resp: 527152
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 6.3 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 12.869 ng
 RT: 21.586 min Scan# 3166
 Delta R.T. -0.029 min
 Lab File: BG053743.D
 Acq: 27 May 2022 21:33

Tgt Ion:228 Resp: 121067
 Ion Ratio Lower Upper
 228 100
 226 25.9 21.6 32.4
 229 21.5 16.2 24.2





#83

Chrysene

Concen: 13.929 ng

RT: 21.651 min Scan# 31

Delta R.T. -0.035 min

Lab File: BG053743.D

Acq: 27 May 2022 21:33

Instrument :

BNA_G

ClientSampleId :

IG1

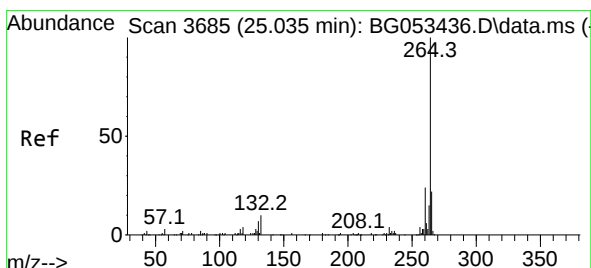
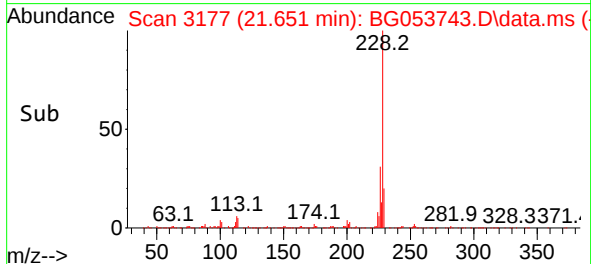
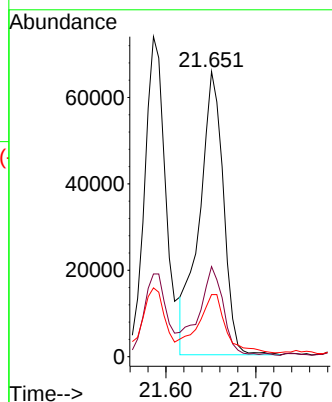
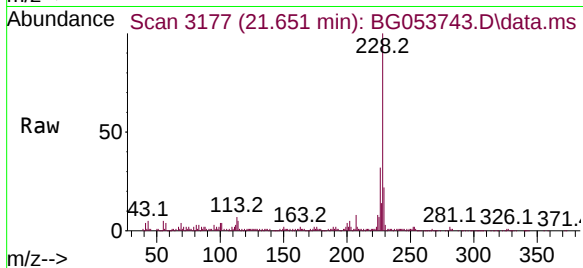
Tgt Ion:228 Resp: 122394

Ion Ratio Lower Upper

228 100

226 31.6 23.4 35.2

229 21.8 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.794 min Scan# 3712

Delta R.T. -0.046 min

Lab File: BG053743.D

Acq: 27 May 2022 21:33

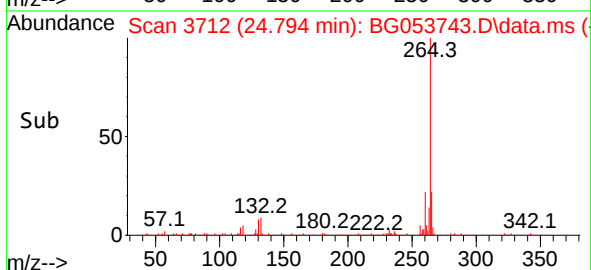
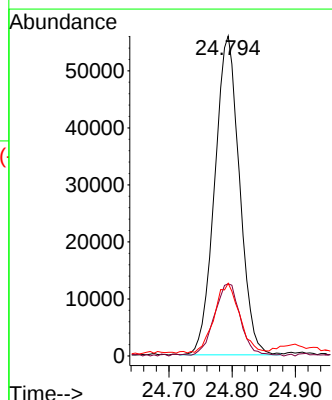
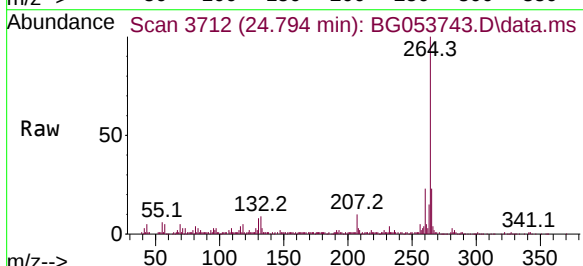
Tgt Ion:264 Resp: 152394

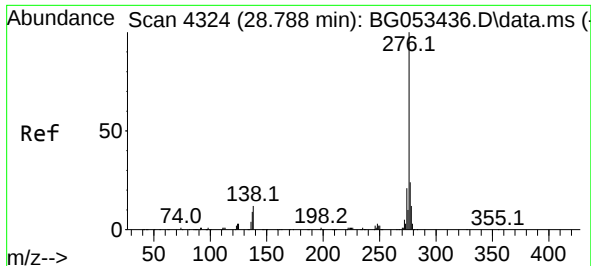
Ion Ratio Lower Upper

264 100

260 22.6 19.0 28.6

265 22.7 17.4 26.2

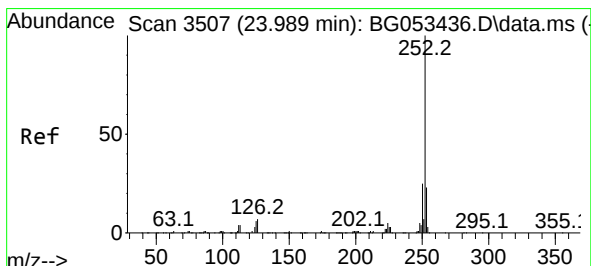
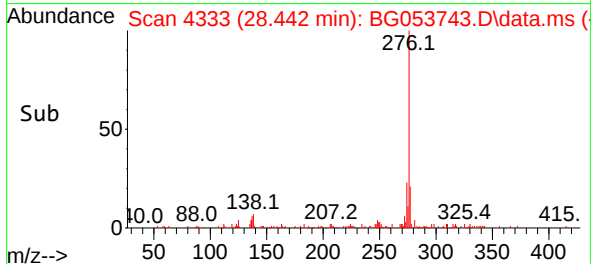
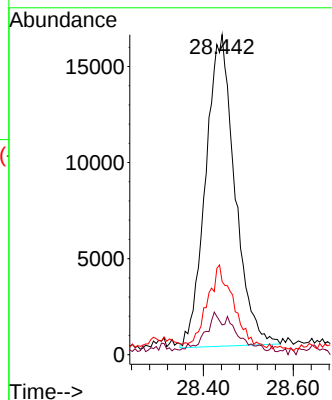
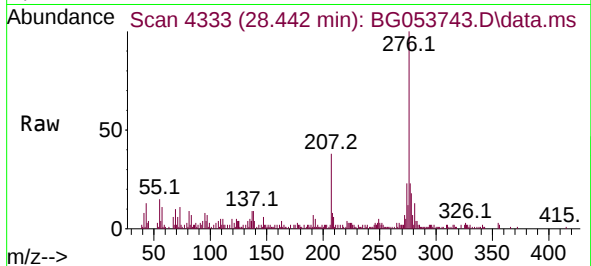




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.901 ng
RT: 28.442 min Scan# 41
Delta R.T. -0.070 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

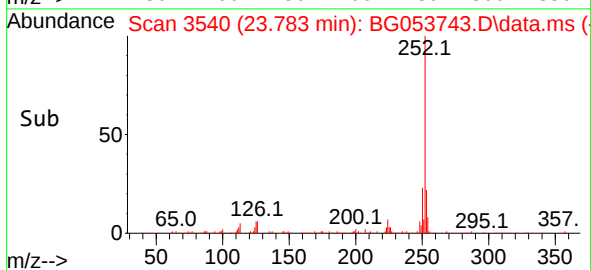
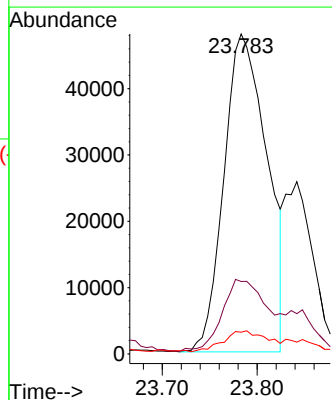
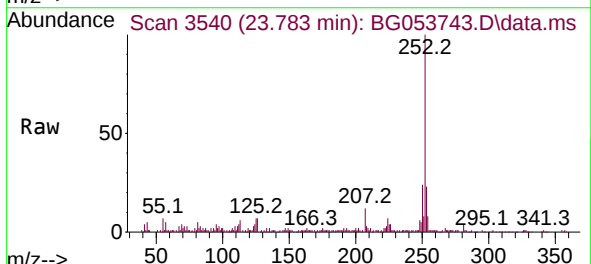
Instrument :
BNA_G
ClientSampleId :
IG1

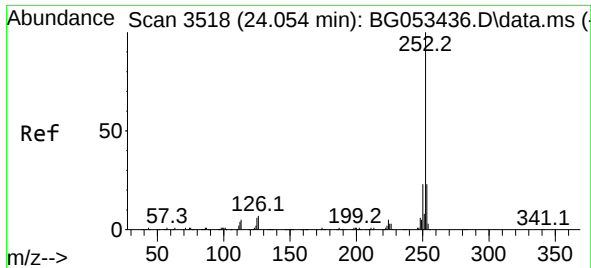
Tgt Ion:276 Resp: 73251
Ion Ratio Lower Upper
276 100
138 6.3 5.0 7.4
277 23.6 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 16.761 ng
RT: 23.783 min Scan# 3540
Delta R.T. -0.040 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

Tgt Ion:252 Resp: 151191
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 6.8 4.6 6.8

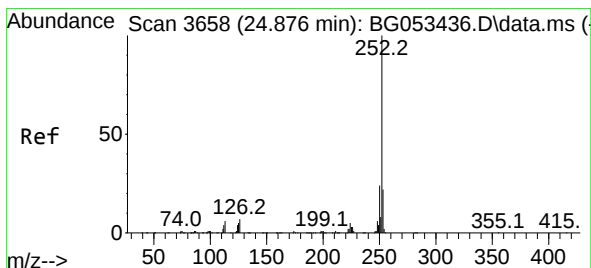
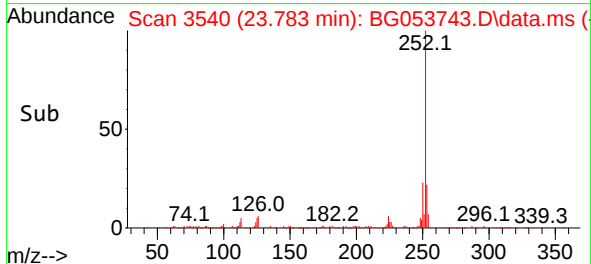
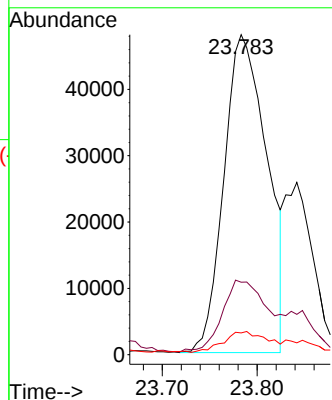
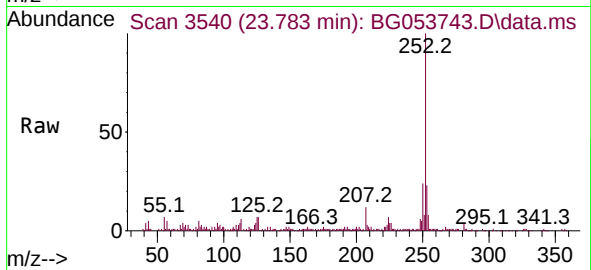




#89
Benzo(k)fluoranthene
Concen: 17.057 ng
RT: 23.783 min Scan# 3518
Delta R.T. -0.105 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

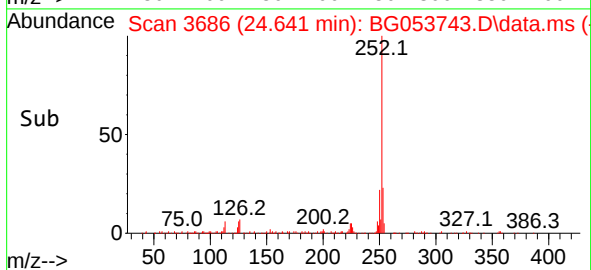
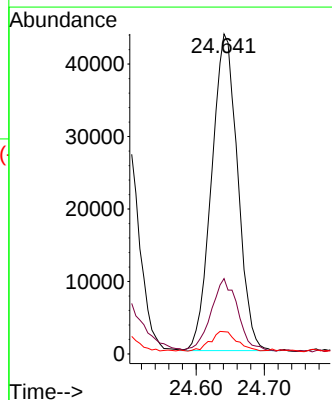
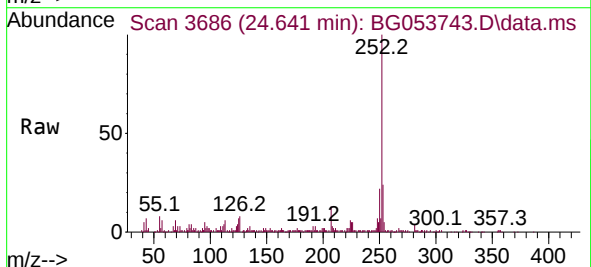
Instrument :
BNA_G
ClientSampleId :
IG1

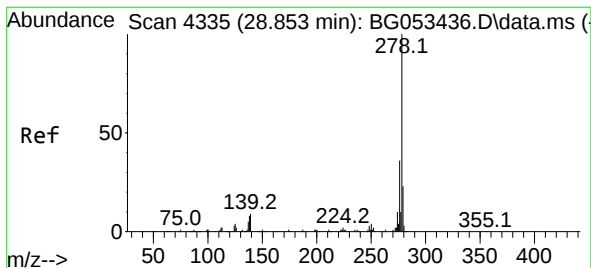
Tgt Ion:252 Resp: 151191
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 6.8 4.8 7.2



#90
Benzo(a)pyrene
Concen: 15.098 ng
RT: 24.641 min Scan# 3686
Delta R.T. -0.046 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

Tgt Ion:252 Resp: 115922
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 7.0 4.3 6.5#





#91

Dibenzo(a,h)anthracene

Concen: 2.374 ng

RT: 28.465 min Scan# 41

Delta R.T. -0.087 min

Lab File: BG053743.D

Acq: 27 May 2022 21:33

Instrument :

BNA_G

ClientSampleId :

IG1

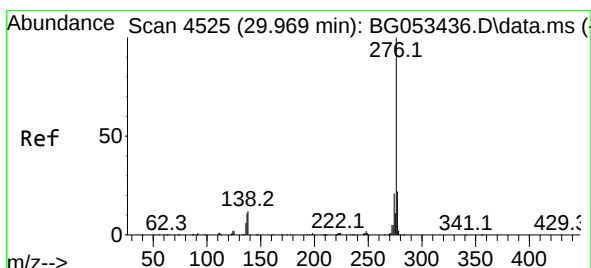
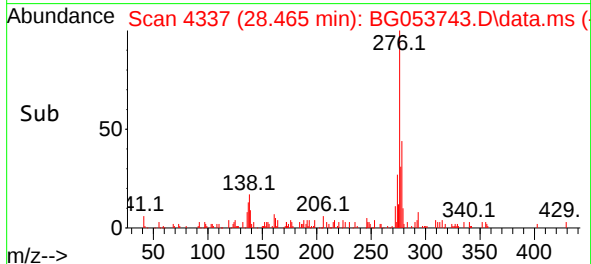
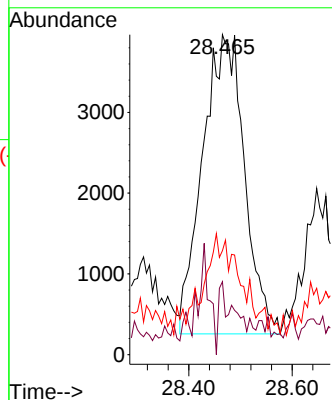
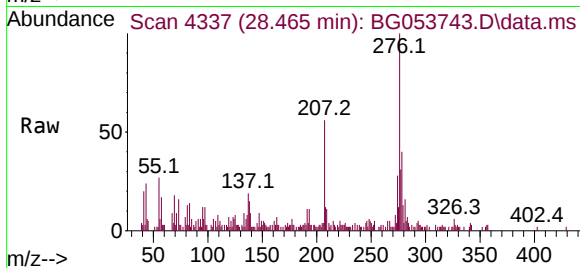
Tgt Ion:278 Resp: 20764

Ion Ratio Lower Upper

278 100

139 22.8 7.2 10.8#

279 32.5 18.6 27.8#



#92

Benzo(g,h,i)perylene

Concen: 8.705 ng

RT: 29.575 min Scan# 4526

Delta R.T. -0.076 min

Lab File: BG053743.D

Acq: 27 May 2022 21:33

Tgt Ion:276 Resp: 75470

Ion Ratio Lower Upper

276 100

277 26.5 17.3 25.9#

138 11.2 9.6 14.4

