

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052422\
 Data File : BG053682.D
 Acq On : 24 May 2022 12:47
 Operator : CG/JU
 Sample : N2982-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-5

Quant Time: May 24 15:00:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 24 05:05:32 2022
 Response via : Initial Calibration

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

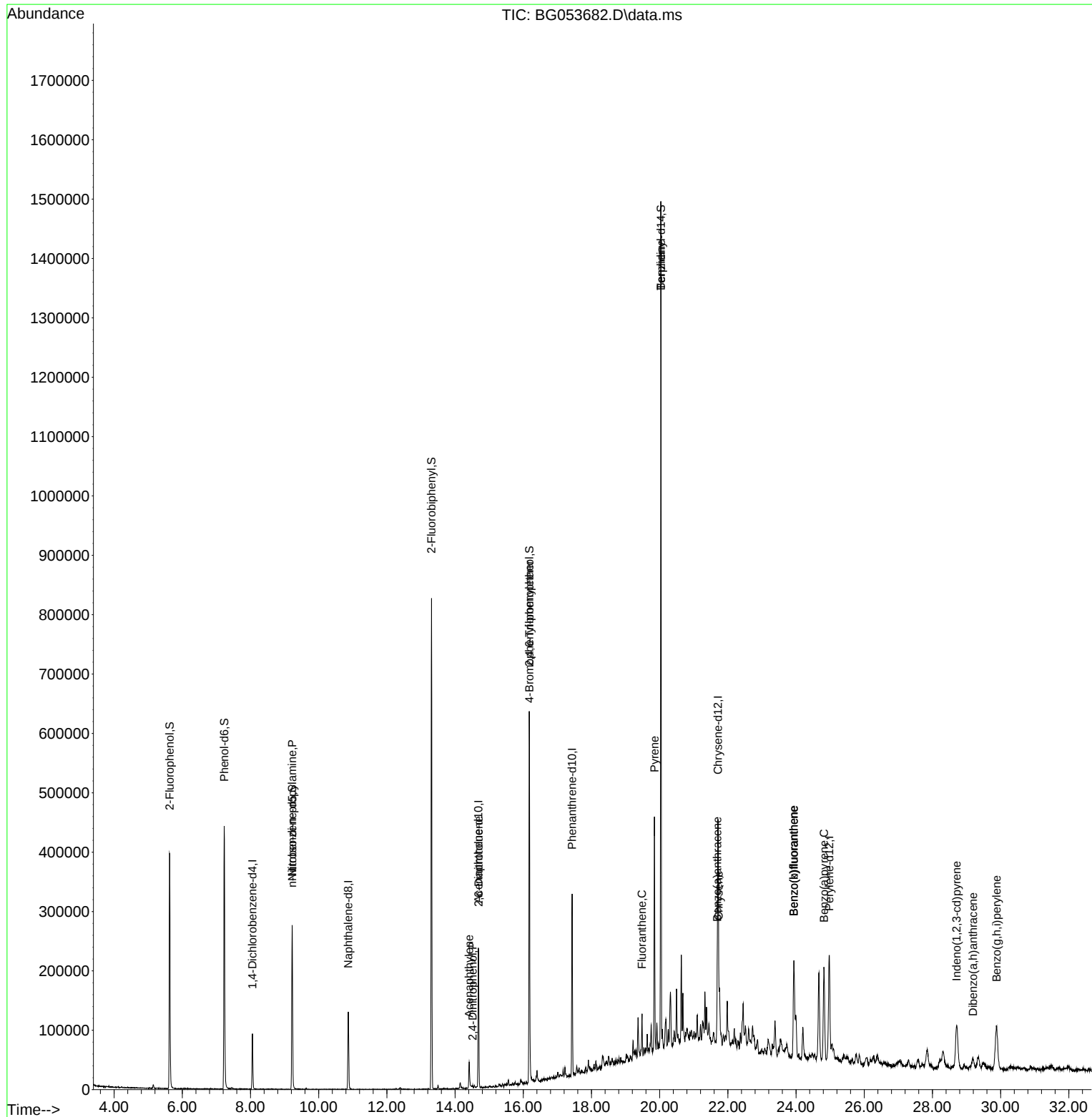
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.058	152	25632	20.000	ng	0.00
21) Naphthalene-d8	10.866	136	111432	20.000	ng	0.00
39) Acenaphthene-d10	14.685	164	85876	20.000	ng	0.00
64) Phenanthrene-d10	17.434	188	194507	20.000	ng	0.00
76) Chrysene-d12	21.710	240	193283	20.000	ng	0.00
86) Perylene-d12	24.977	264	199235	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.632	112	168140	111.328	ng	0.00
7) Phenol-d6	7.230	99	264121	115.230	ng	0.00
23) Nitrobenzene-d5	9.221	82	181353	69.279	ng	0.00
42) 2,4,6-Tribromophenol	16.177	330	125369	98.983	ng	0.00
45) 2-Fluorobiphenyl	13.310	172	423264	72.023	ng	0.00
79) Terphenyl-d14	20.036	244	669254	64.489	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.227	70	25518	15.516	ng	# 79
49) Acenaphthylene	14.414	152	43673	5.968	ng	98
51) 2,6-Dinitrotoluene	14.691	165	11241	8.455	ng	# 18
54) 2,4-Dinitrophenol	14.520	184	55	6.304	ng	# 30
67) 4-Bromophenyl-phenylether	16.183	248	8218	3.618	ng	# 1
75) Fluoranthene	19.484	202	40742	3.181	ng	97
77) Benzidine	20.036	184	12526	3.007	ng	# 93
78) Pyrene	19.848	202	254582	20.347	ng	97
81) Benzo(a)anthracene	21.687	228	67844	5.503	ng	92
83) Chrysene	21.734	228	29642	2.574	ng	# 80
87) Indeno(1,2,3-cd)pyrene	28.713	276	131177	9.453	ng	# 95
88) Benzo(b)fluoranthene	23.937	252	185578	15.736	ng	99
89) Benzo(k)fluoranthene	23.937	252	185578	16.014	ng	100
90) Benzo(a)pyrene	24.818	252	145525	14.498	ng	# 97
91) Dibenzo(a,h)anthracene	29.189	278	32350	2.829	ng	93
92) Benzo(g,h,i)perylene	29.888	276	152220	13.431	ng	94

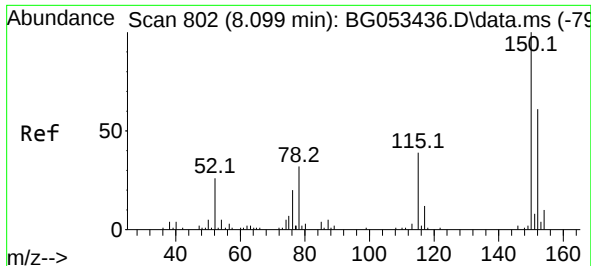
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052422\
Data File : BG053682.D
Acq On : 24 May 2022 12:47
Operator : CG/JU
Sample : N2982-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P-5

Quant Time: May 24 15:00:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 24 05:05:32 2022
Response via : Initial Calibration

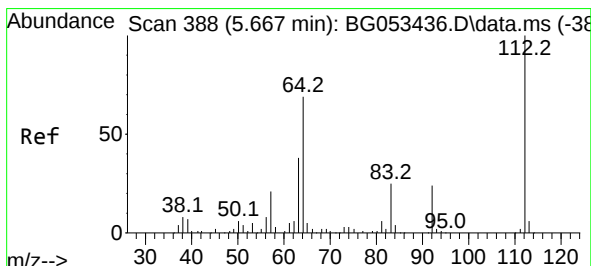
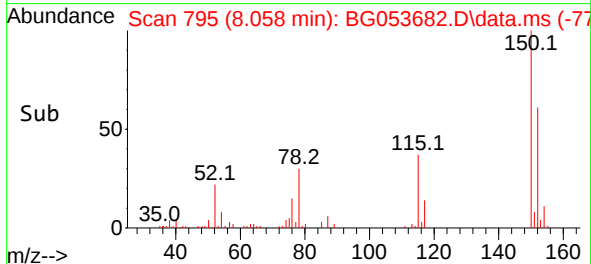
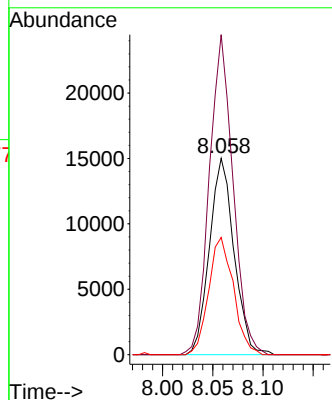
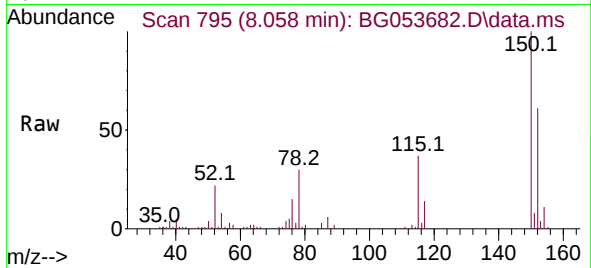




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.058 min Scan# 795
Delta R.T. 0.000 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

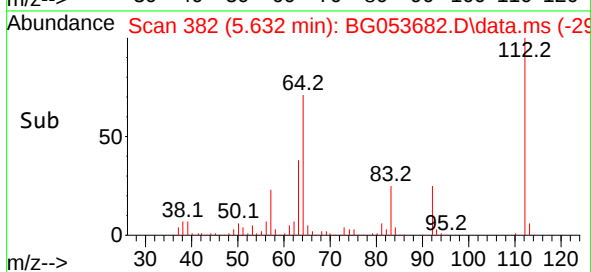
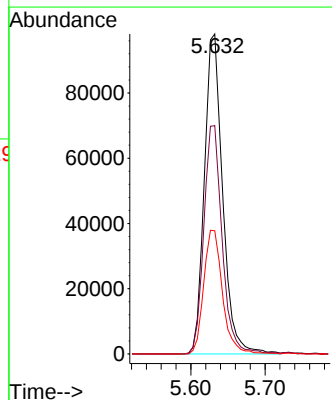
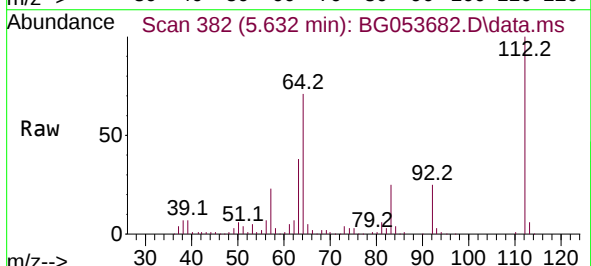
Instrument :
BNA_G
ClientSampleId :
P-5

Tgt Ion:152 Resp: 25632
Ion Ratio Lower Upper
152 100
150 162.9 131.6 197.4
115 59.7 50.9 76.3



#5
2-Fluorophenol
Concen: 111.328 ng
RT: 5.632 min Scan# 382
Delta R.T. 0.007 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

Tgt Ion:112 Resp: 168140
Ion Ratio Lower Upper
112 100
64 71.3 55.1 82.7
63 38.5 30.4 45.6

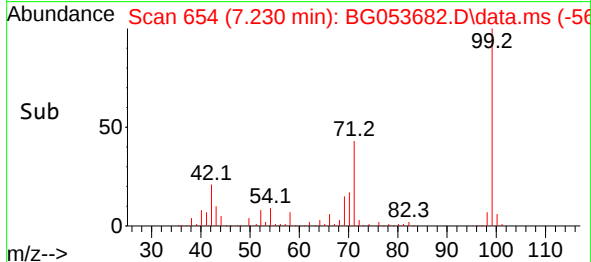
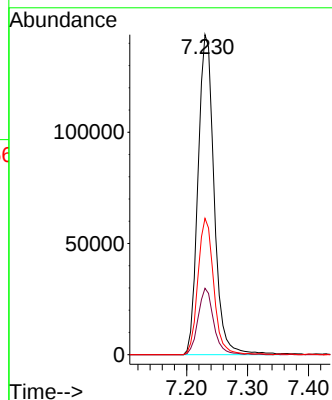
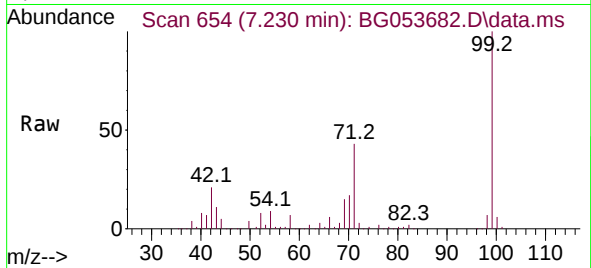




#7
Phenol-d6
Concen: 115.230 ng
RT: 7.230 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

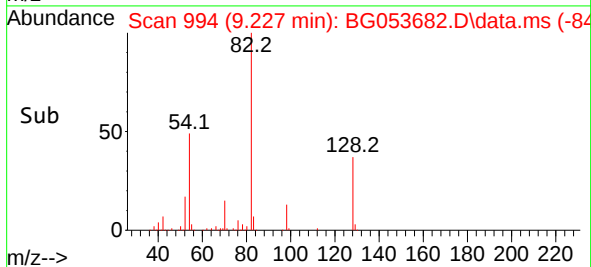
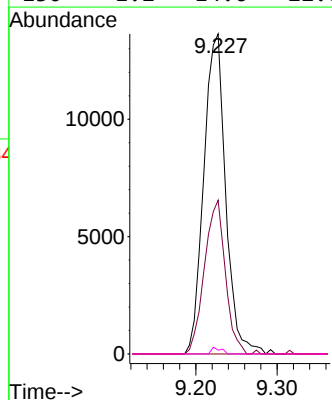
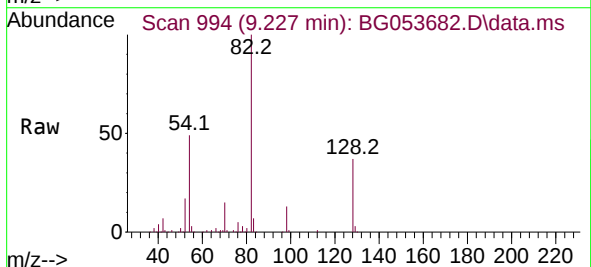
Instrument :
BNA_G
ClientSampleId :
P-5

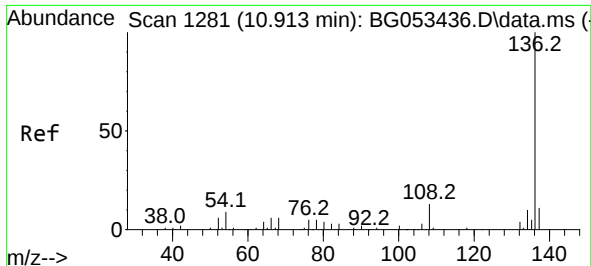
Tgt Ion: 99 Resp: 264121
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 42.6 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.516 ng
RT: 9.227 min Scan# 994
Delta R.T. 0.365 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

Tgt Ion: 70 Resp: 25518
Ion Ratio Lower Upper
70 100
42 48.1 47.3 70.9
101 0.0 7.0 10.4#
130 1.2 14.6 22.0#

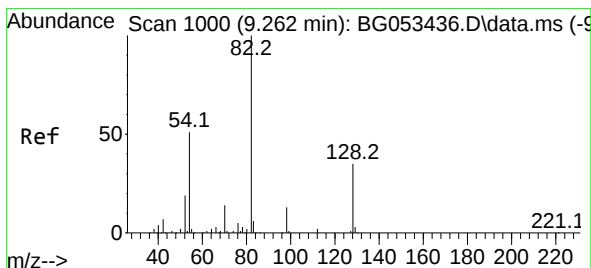
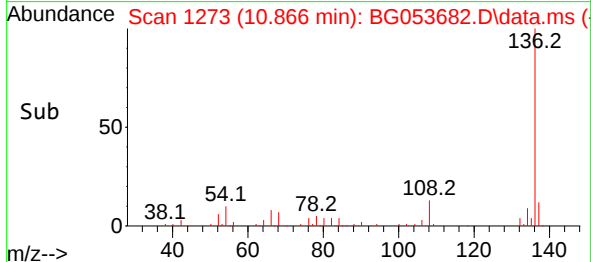
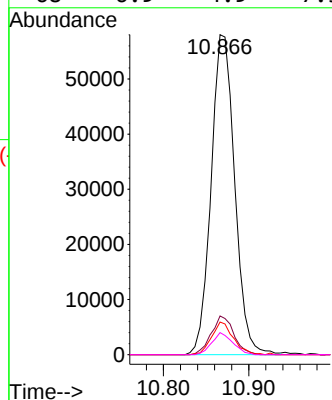
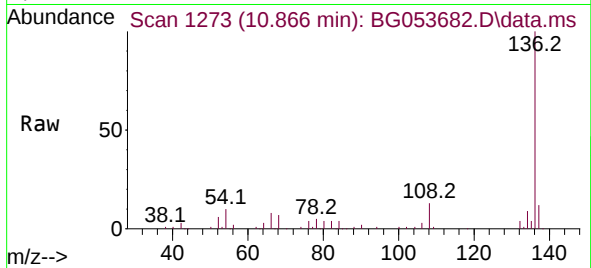




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.866 min Scan# 1114
Delta R.T. -0.005 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

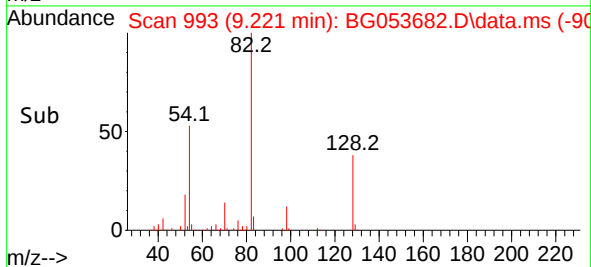
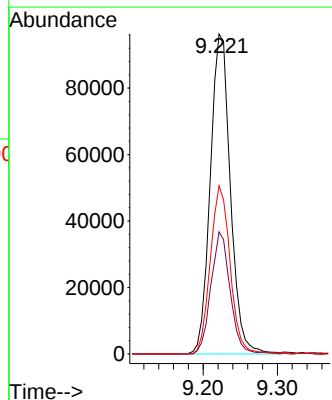
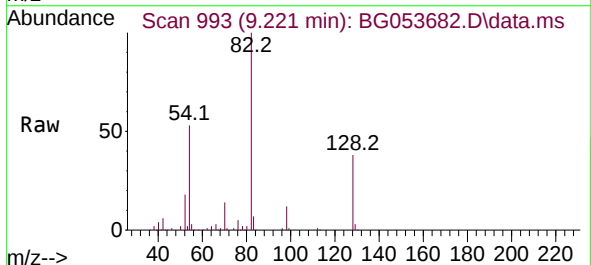
Instrument :
BNA_G
ClientSampleId :
P-5

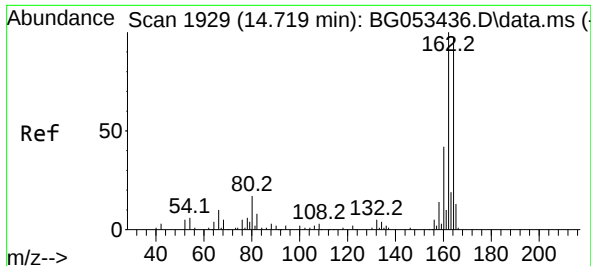
Tgt Ion:	136	Resp:	111432
Ion Ratio	Lower	Upper	
136	100		
137	12.1	8.5	12.7
54	10.2	7.4	11.2
68	6.9	4.9	7.3



#23
Nitrobenzene-d5
Concen: 69.279 ng
RT: 9.221 min Scan# 993
Delta R.T. -0.005 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

Tgt Ion:	82	Resp:	181353
Ion Ratio	Lower	Upper	
82	100		
128	38.1	27.9	41.9
54	52.6	41.2	61.8

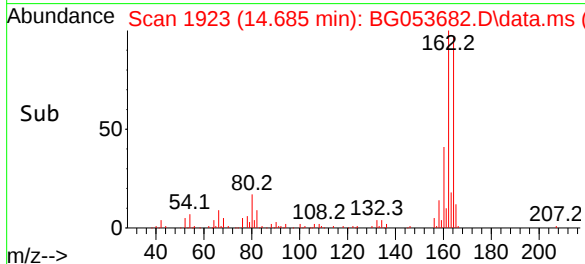
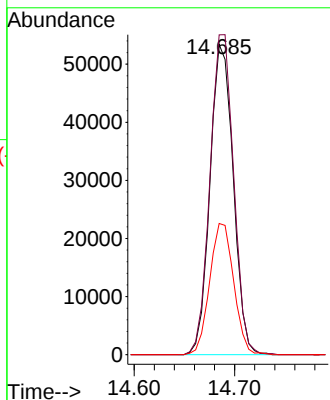
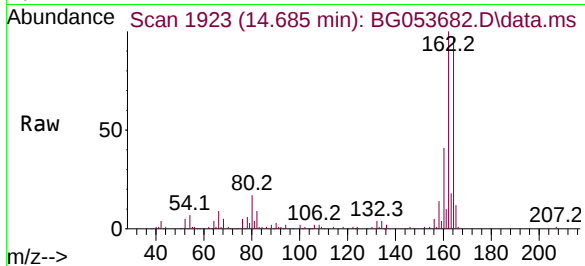




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.685 min Scan# 1929
Delta R.T. -0.005 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

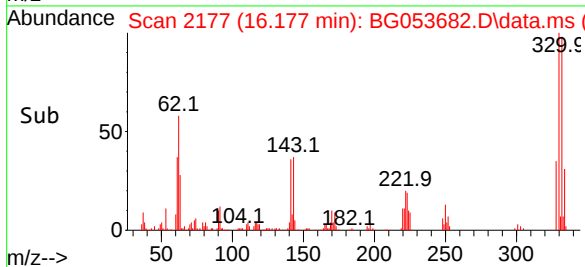
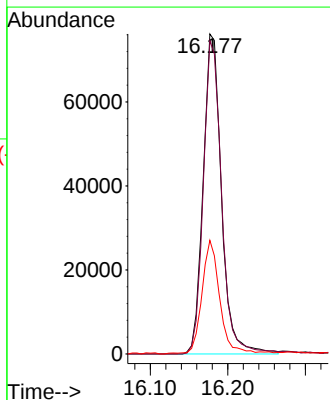
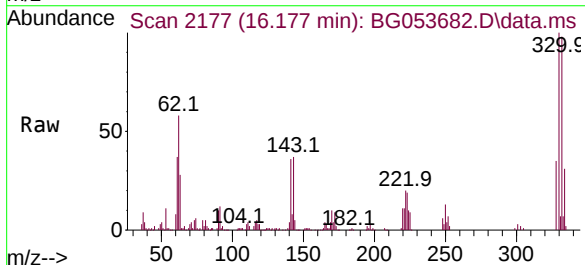
Instrument :
BNA_G
ClientSampleId :
P-5

Tgt Ion:164 Resp: 85876
Ion Ratio Lower Upper
164 100
162 103.1 82.3 123.5
160 42.3 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 98.983 ng
RT: 16.177 min Scan# 2177
Delta R.T. -0.005 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

Tgt Ion:330 Resp: 125369
Ion Ratio Lower Upper
330 100
332 97.9 76.0 114.0
141 35.0 27.1 40.7

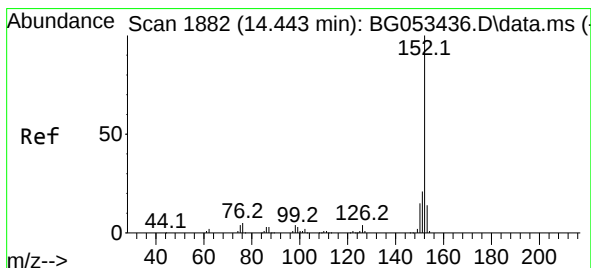
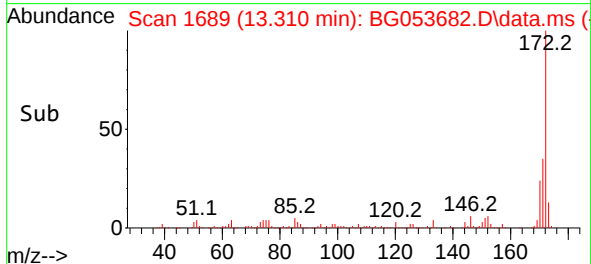
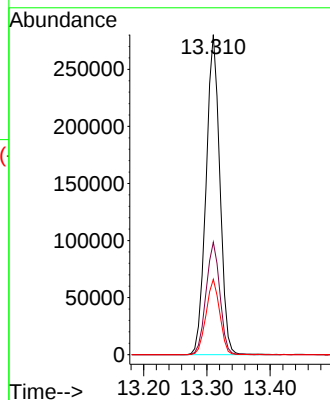
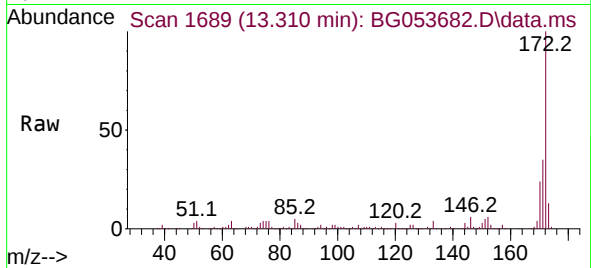




#45
2-Fluorobiphenyl
Concen: 72.023 ng
RT: 13.310 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

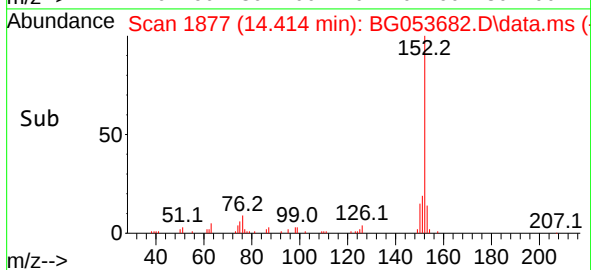
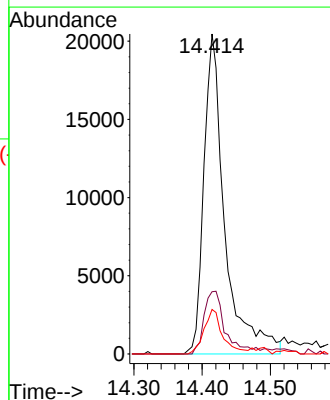
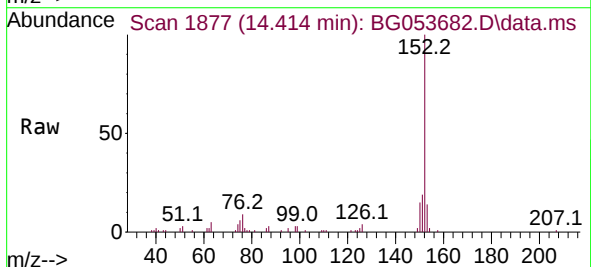
Instrument :
BNA_G
ClientSampleId :
P-5

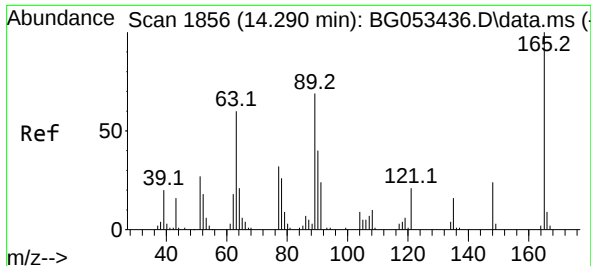
Tgt Ion:172 Resp: 423264
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.6 18.9 28.3



#49
Acenaphthylene
Concen: 5.968 ng
RT: 14.414 min Scan# 1877
Delta R.T. 0.001 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

Tgt Ion:152 Resp: 43673
Ion Ratio Lower Upper
152 100
151 19.4 16.4 24.6
153 13.9 10.8 16.2





#51

2,6-Dinitrotoluene

Concen: 8.455 ng

RT: 14.691 min Scan# 1895

Delta R.T. 0.429 min

Lab File: BG053682.D

Acq: 24 May 2022 12:47

Instrument :

BNA_G

ClientSampleId :

P-5

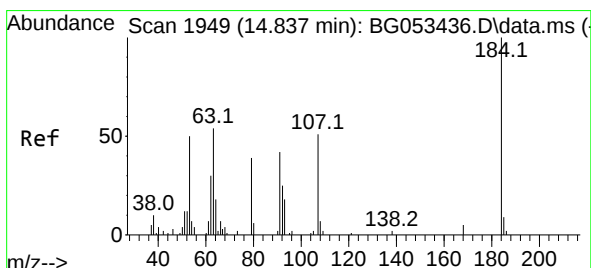
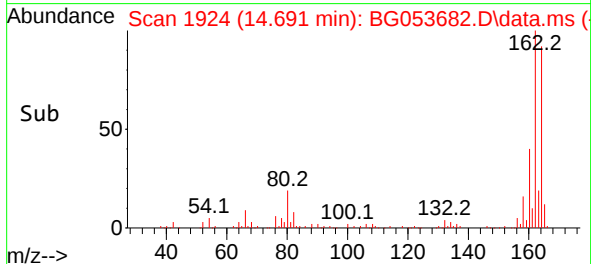
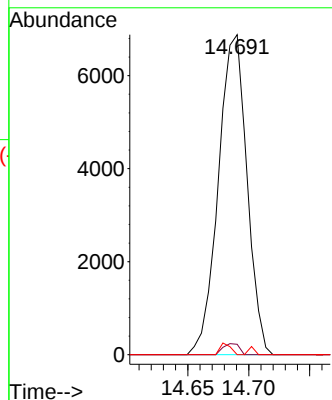
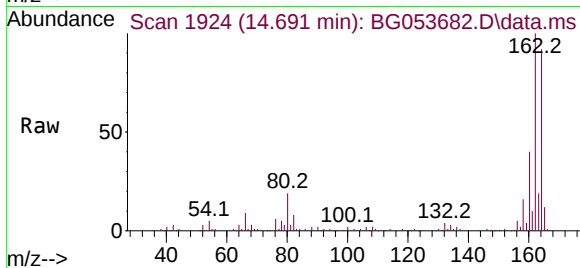
Tgt Ion:165 Resp: 11241

Ion Ratio Lower Upper

165 100

63 3.2 54.1 81.1#

89 0.0 54.8 82.2#



#54

2,4-Dinitrophenol

Concen: 6.304 ng

RT: 14.520 min Scan# 1895

Delta R.T. -0.299 min

Lab File: BG053682.D

Acq: 24 May 2022 12:47

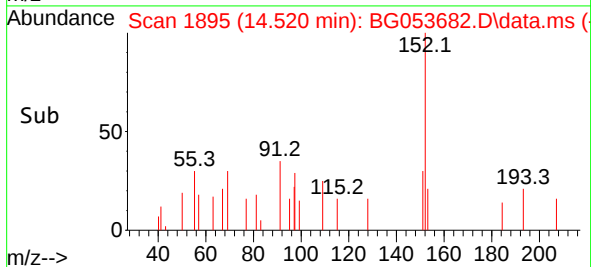
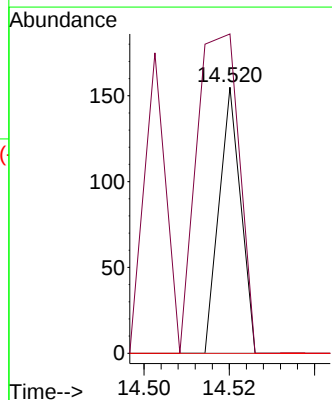
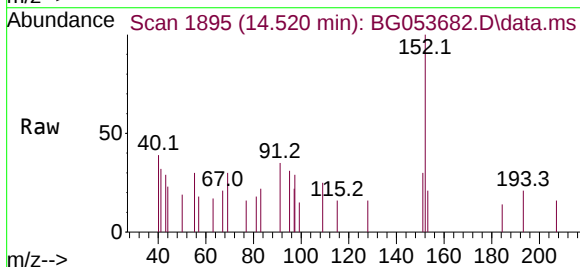
Tgt Ion:184 Resp: 55

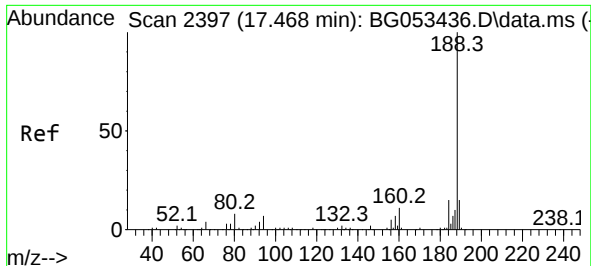
Ion Ratio Lower Upper

184 100

63 120.0 61.1 91.7#

154 0.0 60.6 91.0#

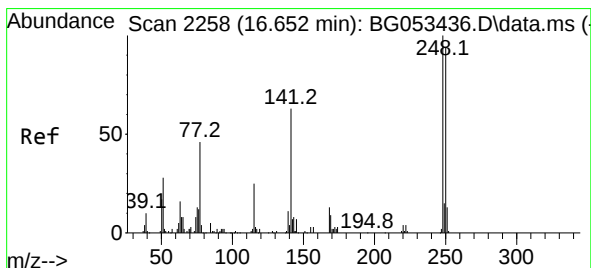
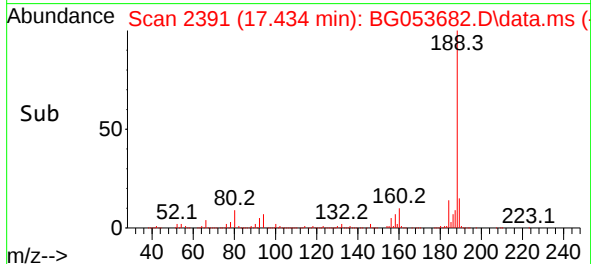
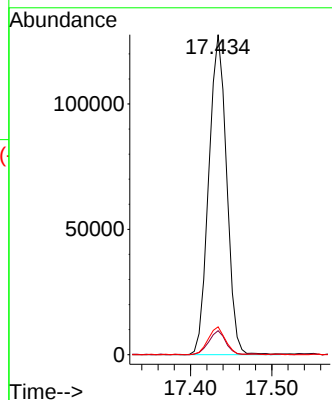
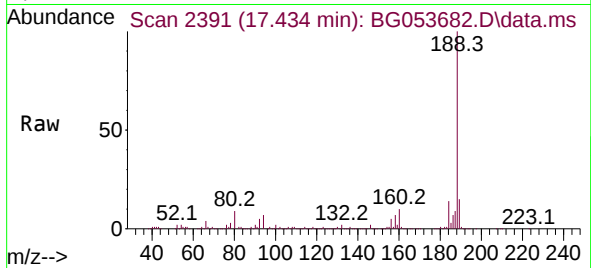




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.434 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

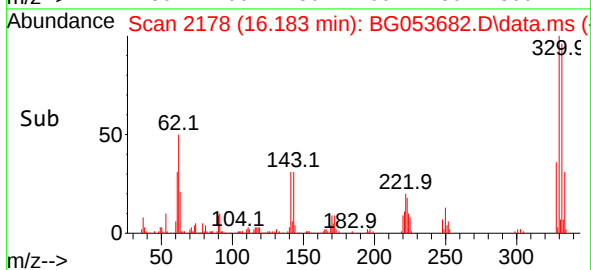
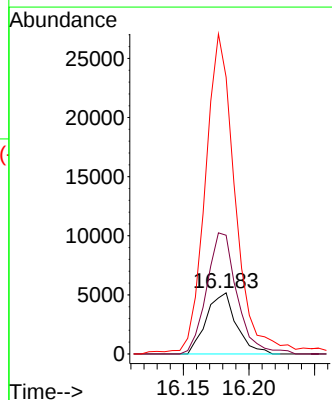
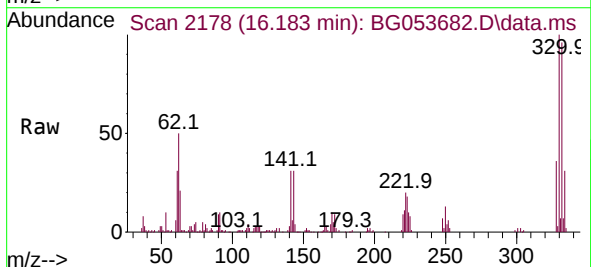
Instrument :
BNA_G
ClientSampleId :
P-5

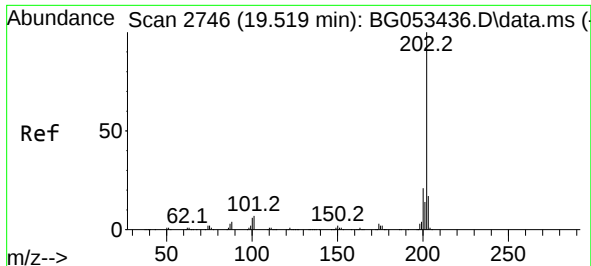
Tgt Ion:188 Resp: 194507
Ion Ratio Lower Upper
188 100
94 7.5 5.4 8.0
80 8.7 6.8 10.2



#67
4-Bromophenyl-phenylether
Concen: 3.618 ng
RT: 16.183 min Scan# 2178
Delta R.T. -0.434 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

Tgt Ion:248 Resp: 8218
Ion Ratio Lower Upper
248 100
250 194.1 75.2 112.8#
141 452.6 50.0 75.0#

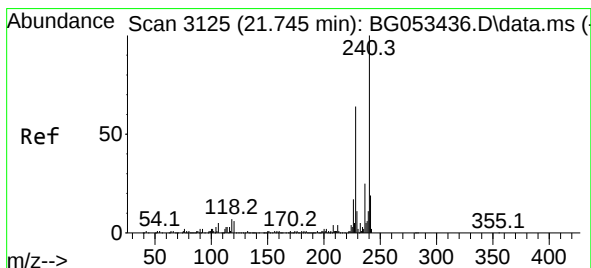
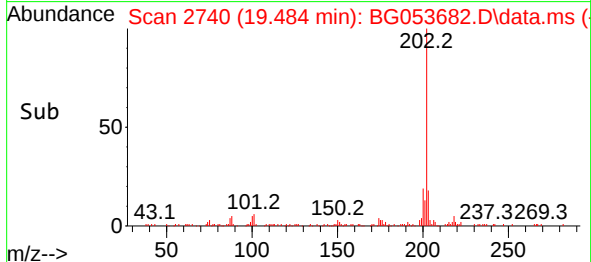
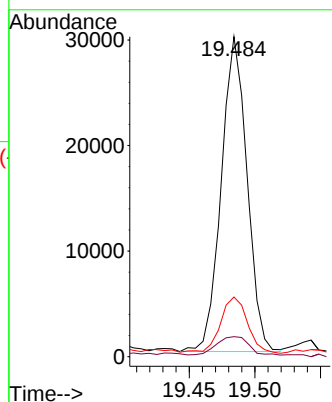
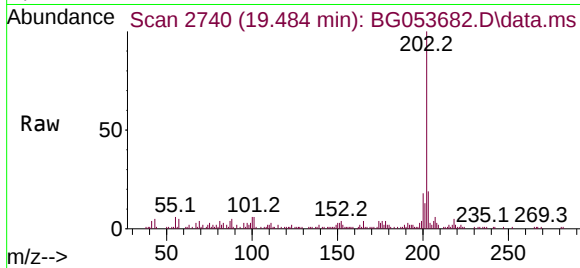




#75
Fluoranthene
Concen: 3.181 ng
RT: 19.484 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

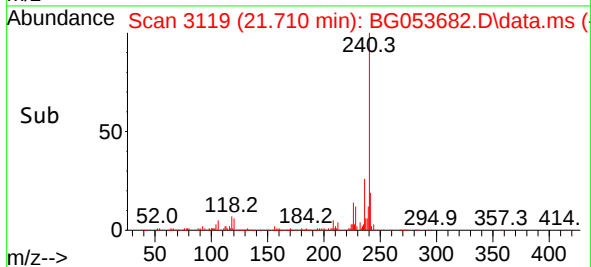
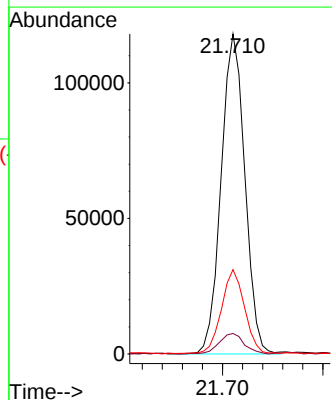
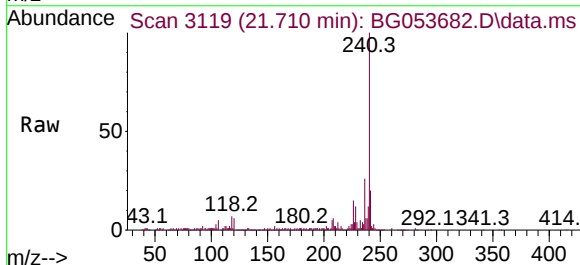
Instrument :
BNA_G
ClientSampleId :
P-5

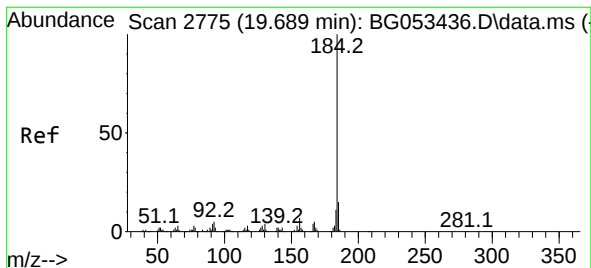
Tgt Ion:202 Resp: 40742
Ion Ratio Lower Upper
202 100
101 6.3 0.0 26.9
203 18.6 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.710 min Scan# 3119
Delta R.T. -0.005 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

Tgt Ion:240 Resp: 193283
Ion Ratio Lower Upper
240 100
120 6.4 4.6 7.0
236 26.3 20.2 30.4





#77

Benzidine

Concen: 3.007 ng

RT: 20.036 min Scan# 2

Delta R.T. 0.377 min

Lab File: BG053682.D

Acq: 24 May 2022 12:47

Instrument :

BNA_G

ClientSampleId :

P-5

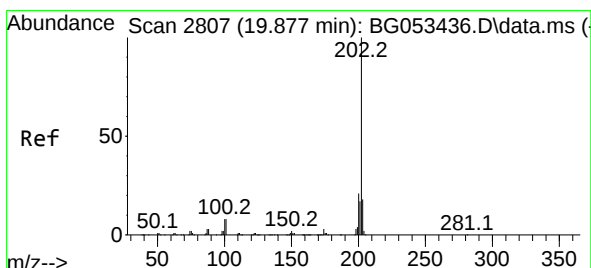
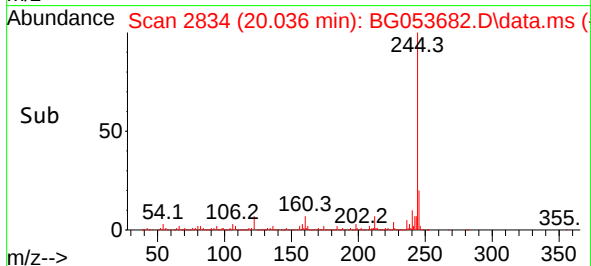
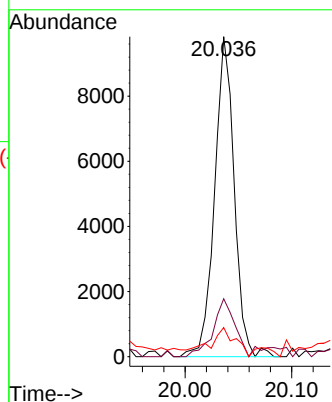
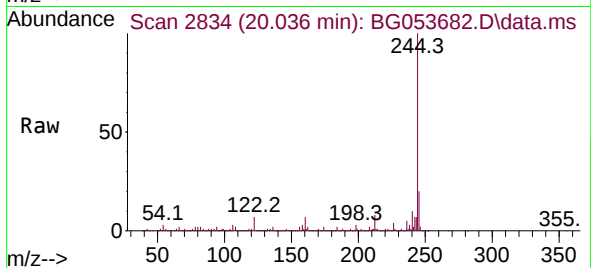
Tgt Ion:184 Resp: 12526

Ion Ratio Lower Upper

184 100

185 18.1 11.8 17.6#

183 9.1 8.9 13.3



#78

Pyrene

Concen: 20.347 ng

RT: 19.848 min Scan# 2802

Delta R.T. -0.005 min

Lab File: BG053682.D

Acq: 24 May 2022 12:47

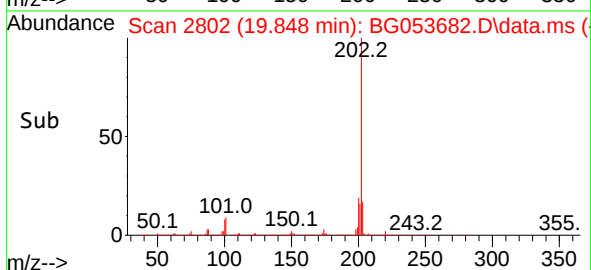
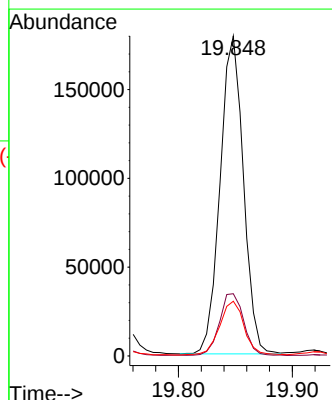
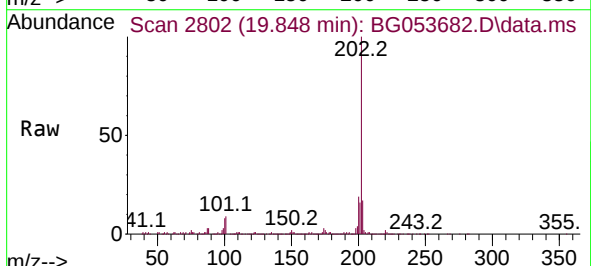
Tgt Ion:202 Resp: 254582

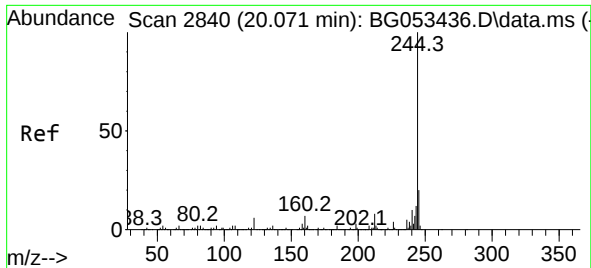
Ion Ratio Lower Upper

202 100

200 19.4 16.6 24.8

203 17.1 14.6 21.8

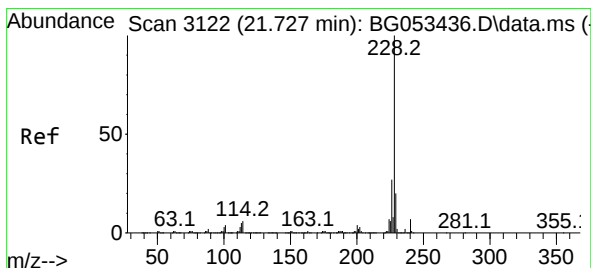
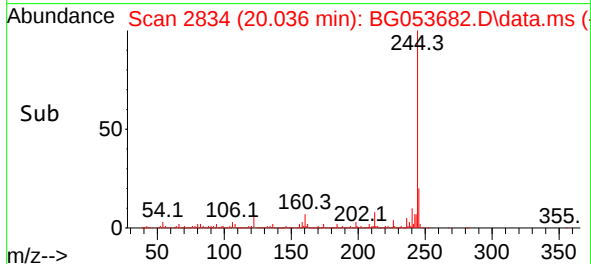
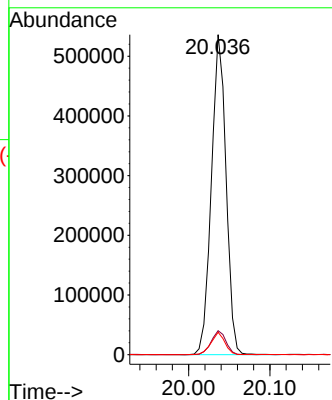
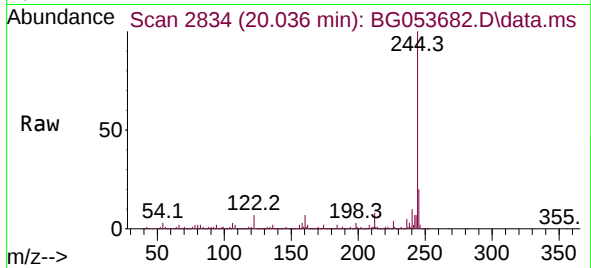




#79
 Terphenyl-d14
 Concen: 64.489 ng
 RT: 20.036 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG053682.D
 Acq: 24 May 2022 12:47

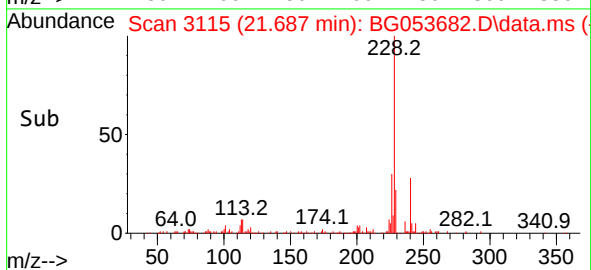
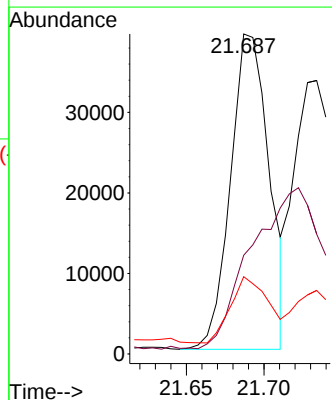
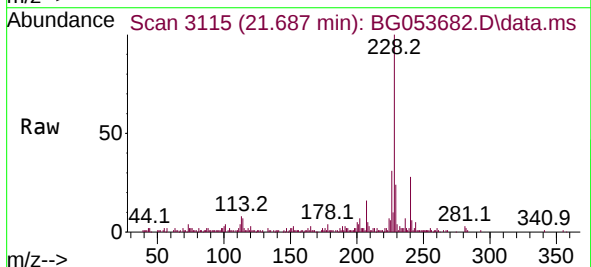
Instrument :
 BNA_G
 ClientSampleId :
 P-5

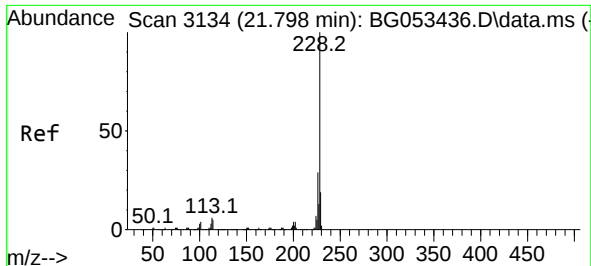
Tgt Ion:244 Resp: 669254
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.5 9.7
 122 7.0 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 5.503 ng
 RT: 21.687 min Scan# 3115
 Delta R.T. -0.011 min
 Lab File: BG053682.D
 Acq: 24 May 2022 12:47

Tgt Ion:228 Resp: 67844
 Ion Ratio Lower Upper
 228 100
 226 30.9 21.6 32.4
 229 24.1 16.2 24.2

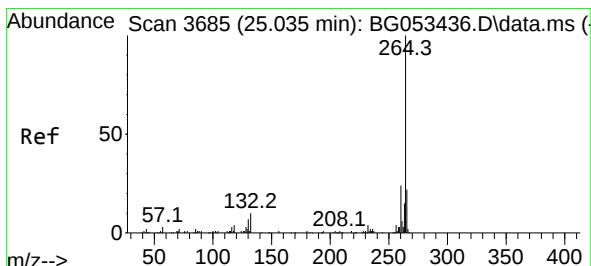
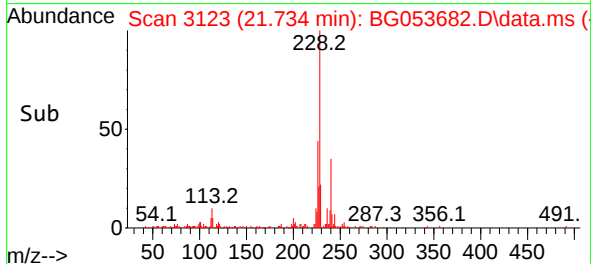
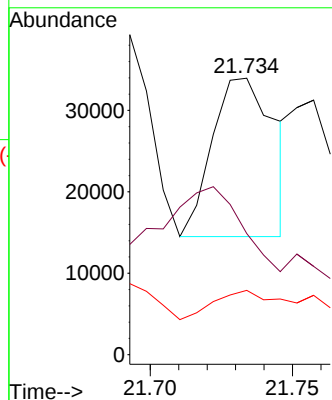
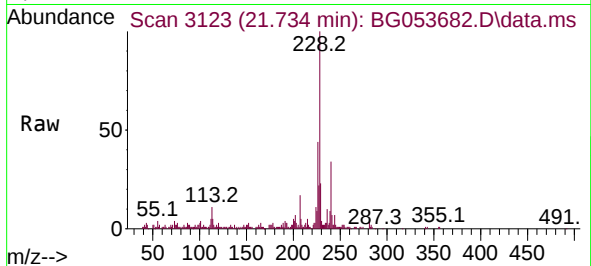




#83
Chrysene
Concen: 2.574 ng
RT: 21.734 min Scan# 3134
Delta R.T. -0.029 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

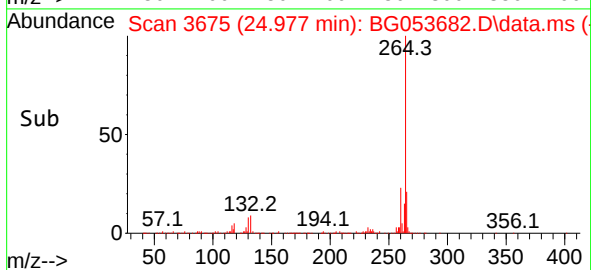
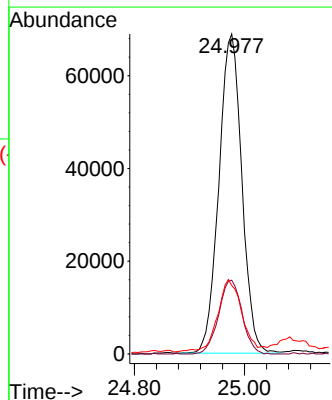
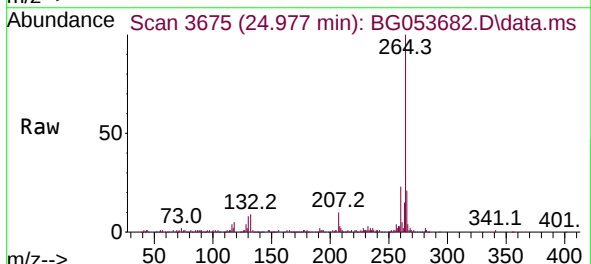
Instrument :
BNA_G
ClientSampleId :
P-5

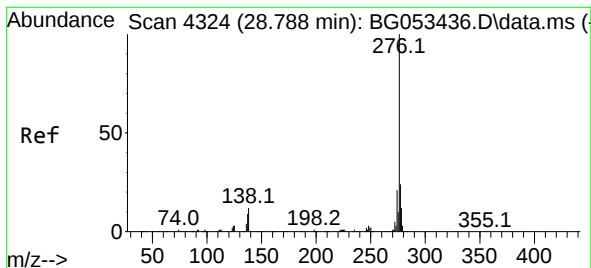
Tgt Ion:228 Resp: 29642
Ion Ratio Lower Upper
228 100
226 43.8 23.4 35.2#
229 23.3 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.977 min Scan# 3675
Delta R.T. -0.005 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

Tgt Ion:264 Resp: 199235
Ion Ratio Lower Upper
264 100
260 23.1 19.0 28.6
265 21.4 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.453 ng

RT: 28.713 min Scan# 41

Delta R.T. -0.017 min

Lab File: BG053682.D

Acq: 24 May 2022 12:47

Instrument :

BNA_G

ClientSampleId :

P-5

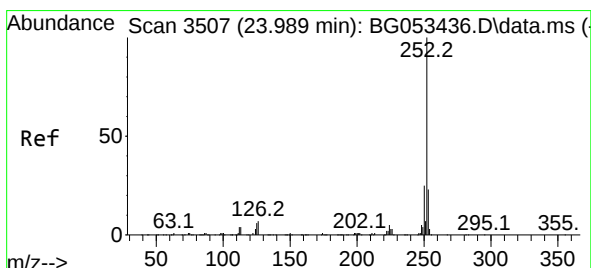
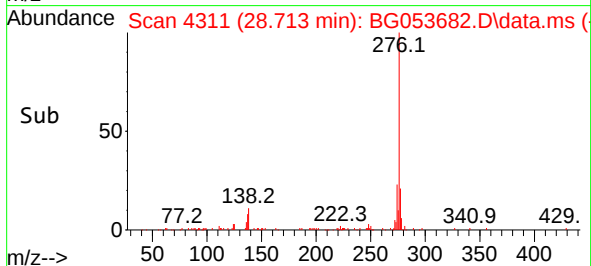
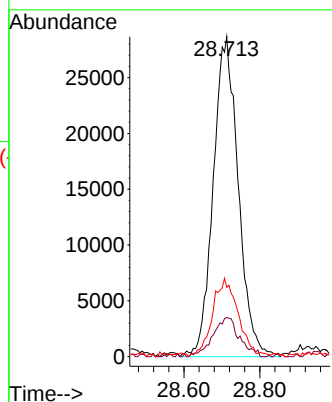
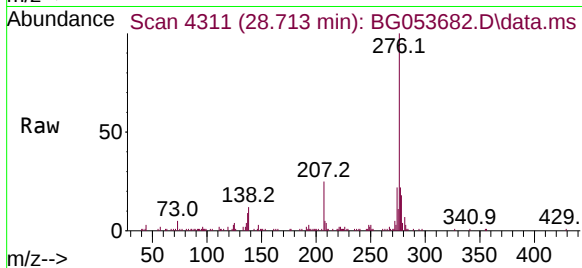
Tgt Ion:276 Resp: 131177

Ion Ratio Lower Upper

276 100

138 13.0 5.0 7.4#

277 24.8 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 15.736 ng

RT: 23.937 min Scan# 3498

Delta R.T. -0.005 min

Lab File: BG053682.D

Acq: 24 May 2022 12:47

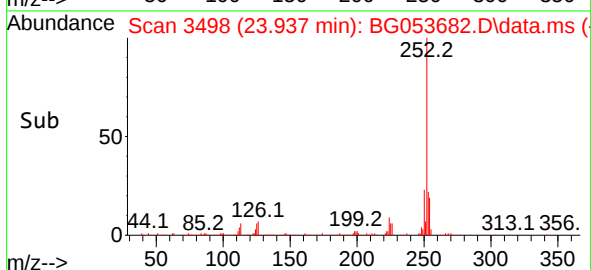
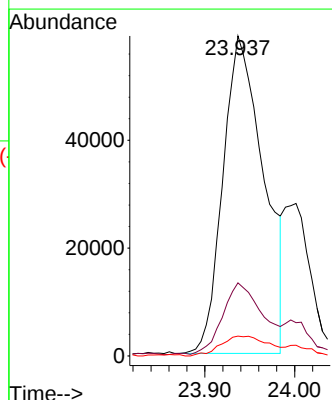
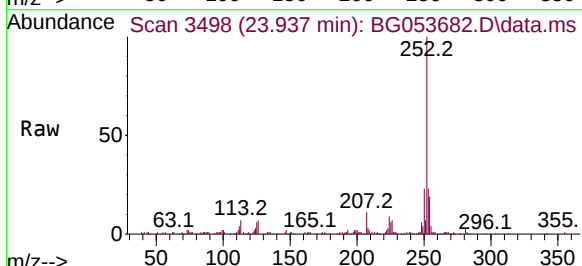
Tgt Ion:252 Resp: 185578

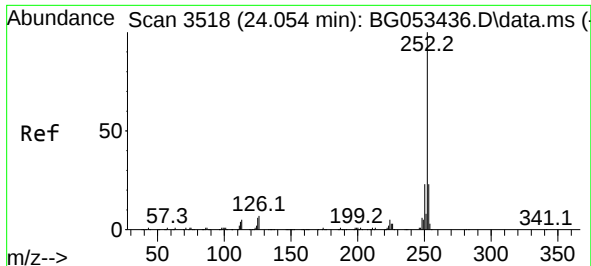
Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

125 6.2 4.6 6.8

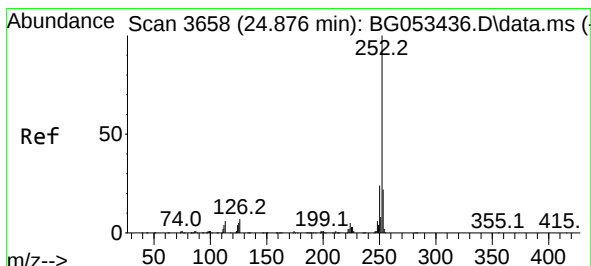
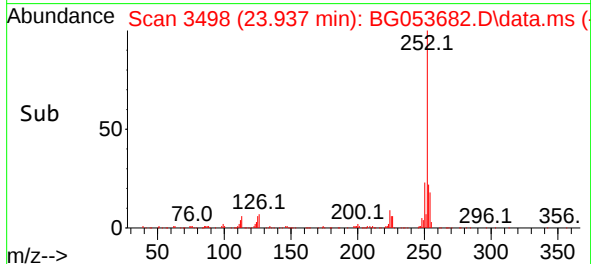
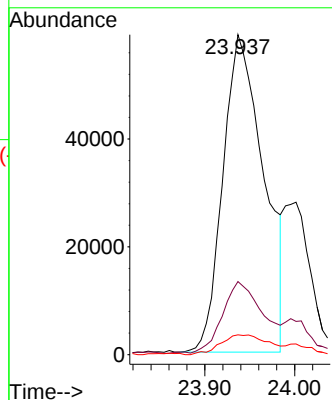
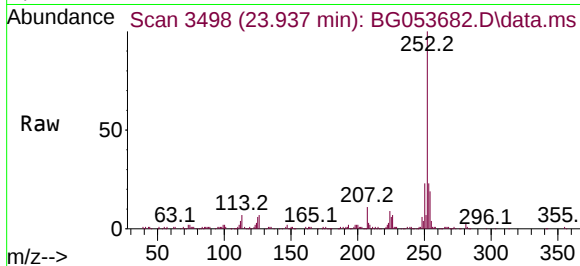




#89
Benzo(k)fluoranthene
Concen: 16.014 ng
RT: 23.937 min Scan# 34
Delta R.T. -0.076 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

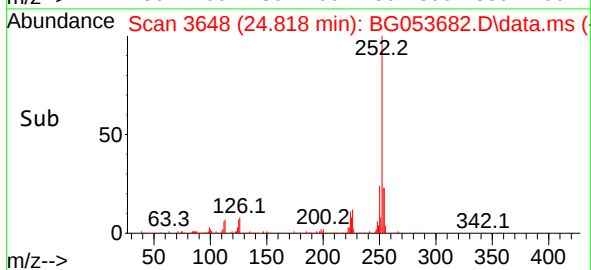
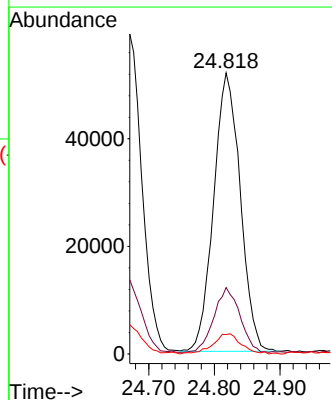
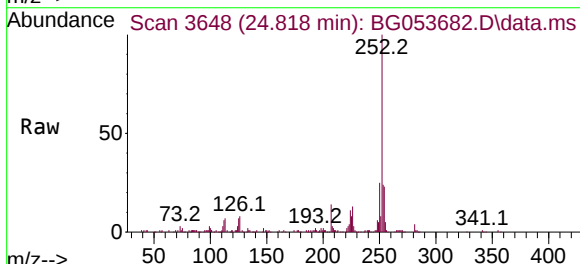
Instrument :
BNA_G
ClientSampleId :
P-5

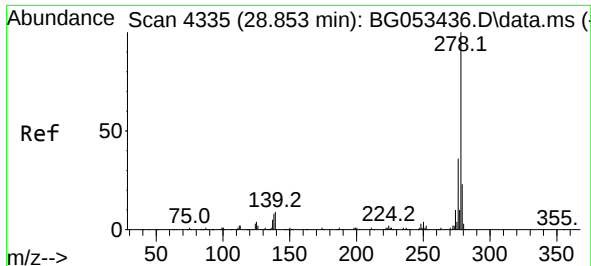
Tgt Ion:252 Resp: 185578
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 6.2 4.8 7.2



#90
Benzo(a)pyrene
Concen: 14.498 ng
RT: 24.818 min Scan# 3648
Delta R.T. -0.011 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

Tgt Ion:252 Resp: 145525
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 6.9 4.3 6.5#

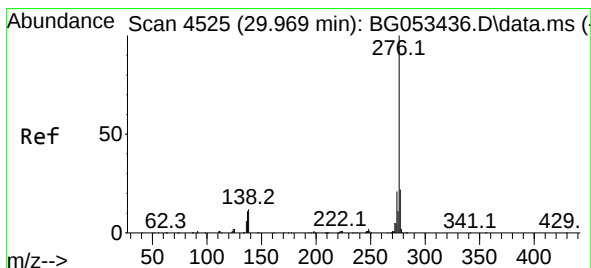
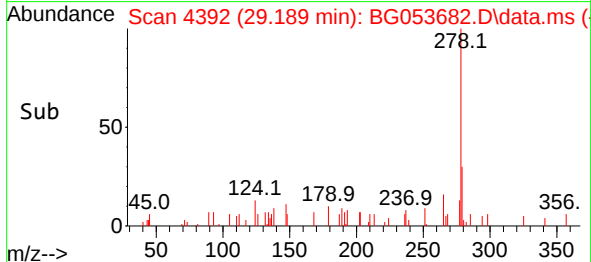
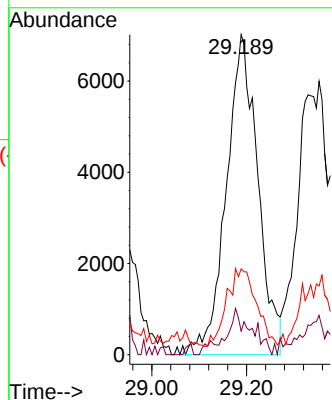
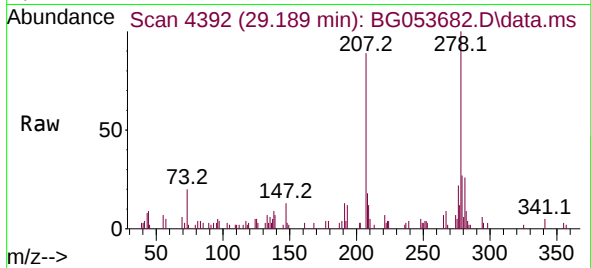




#91
Dibenzo(a,h)anthracene
Concen: 2.829 ng
RT: 29.189 min Scan# 411
Delta R.T. 0.406 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

Instrument :
BNA_G
ClientSampleId :
P-5

Tgt Ion:278 Resp: 32350
Ion Ratio Lower Upper
278 100
139 7.4 7.2 10.8
279 26.8 18.6 27.8



#92
Benzo(g,h,i)perylene
Concen: 13.431 ng
RT: 29.888 min Scan# 4511
Delta R.T. -0.017 min
Lab File: BG053682.D
Acq: 24 May 2022 12:47

Tgt Ion:276 Resp: 152220
Ion Ratio Lower Upper
276 100
277 24.4 17.3 25.9
138 10.1 9.6 14.4

