

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
 Data File : BG058889.D
 Acq On : 29 Aug 2023 16:04
 Operator : MA/JU
 Sample : 04188-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-5

Quant Time: Aug 29 16:53:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 29 14:27:28 2023
 Response via : Initial Calibration

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

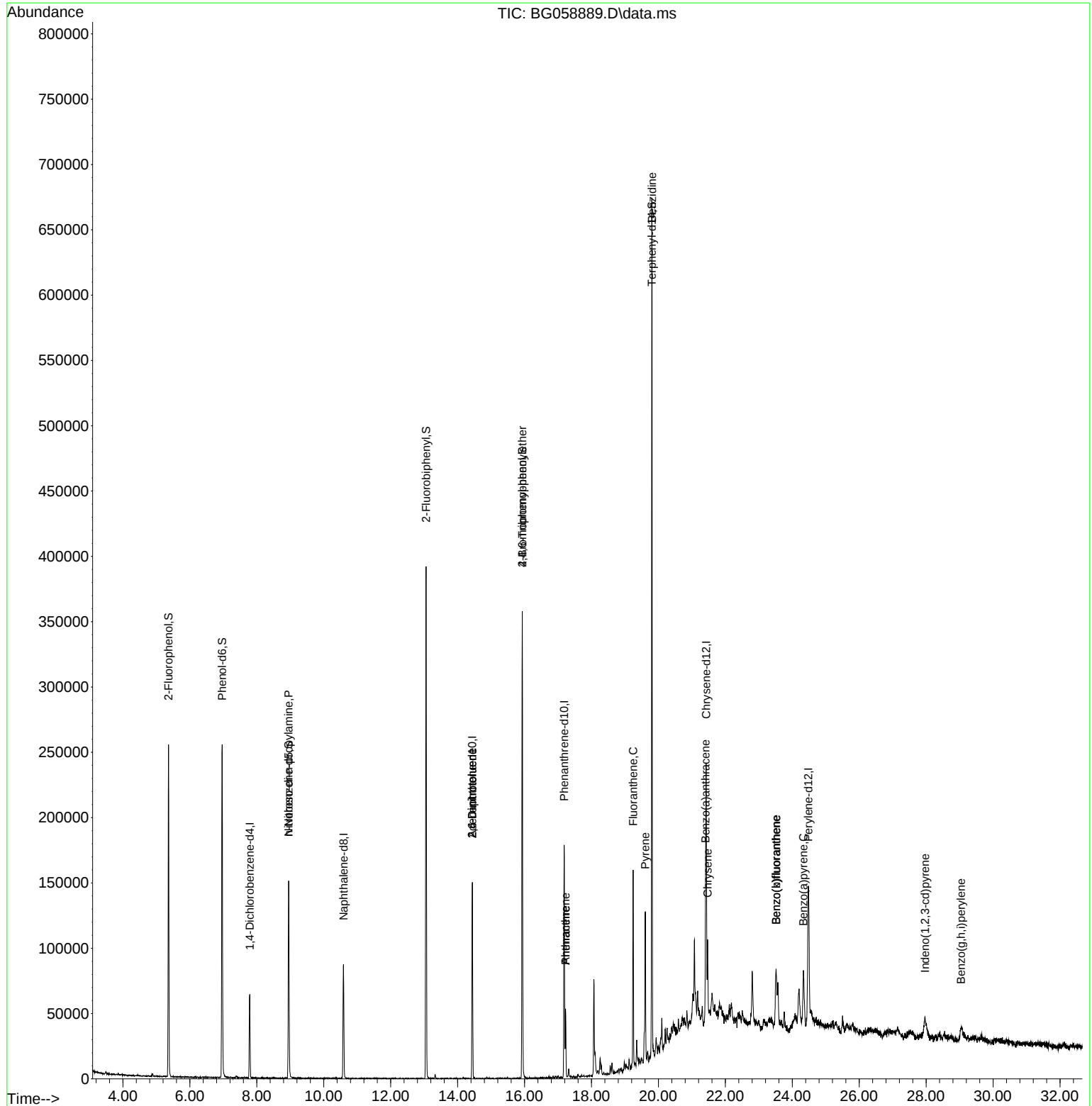
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	17625	20.000	ng	0.00
21) Naphthalene-d8	10.591	136	76880	20.000	ng	0.00
39) Acenaphthene-d10	14.440	164	55155	20.000	ng	0.00
64) Phenanthrene-d10	17.183	188	118732	20.000	ng	0.00
76) Chrysene-d12	21.426	240	97218	20.000	ng	0.00
86) Perylene-d12	24.481	264	122316	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.362	112	99764	91.090	ng	0.00
7) Phenol-d6	6.966	99	143125	93.143	ng	0.00
23) Nitrobenzene-d5	8.952	82	88482	55.333	ng	0.00
42) 2,4,6-Tribromophenol	15.932	330	78834	91.157	ng	0.00
45) 2-Fluorobiphenyl	13.059	172	217563	57.372	ng	0.00
79) Terphenyl-d14	19.804	244	328684	60.707	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	8.952	70	11446	11.523	ng	# 76
51) 2,6-Dinitrotoluene	14.440	165	7061	7.870	ng	# 22
57) 2,4-Dinitrotoluene	14.440	165	7061	5.643	ng	# 19
67) 4-Bromophenyl-phenylether	15.932	248	4950	3.799	ng	# 1
71) Phenanthrene	17.225	178	34142	5.990	ng	98
72) Anthracene	17.225	178	34142	5.972	ng	99
75) Fluoranthene	19.246	202	91488	12.943	ng	98
77) Benzidine	19.810	184	5229	3.001	ng	# 90
78) Pyrene	19.604	202	76115	11.237	ng	97
81) Benzo(a)anthracene	21.408	228	41794	6.176	ng	97
83) Chrysene	21.473	228	40020	6.135	ng	98
87) Indeno(1,2,3-cd)pyrene	27.965	276	25241	3.050	ng	# 85
88) Benzo(b)fluoranthene	23.517	252	56267	8.291	ng	98
89) Benzo(k)fluoranthene	23.517	252	56267	8.039	ng	99
90) Benzo(a)pyrene	24.334	252	38413	5.748	ng	97
92) Benzo(g,h,i)perylene	29.040	276	22340	3.286	ng	100

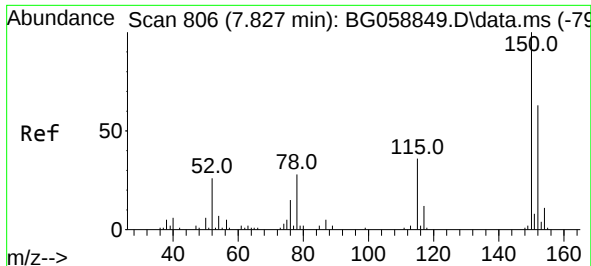
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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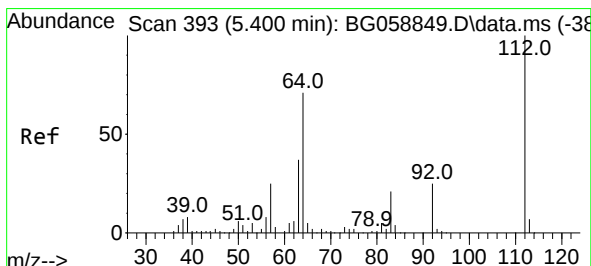
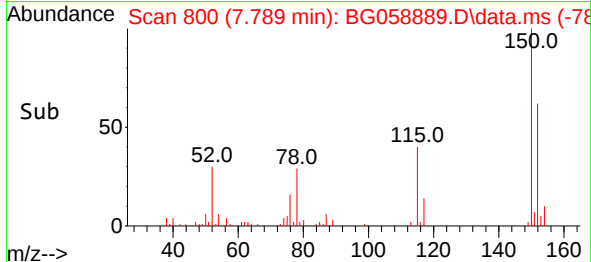
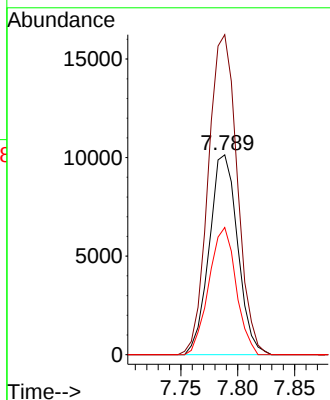
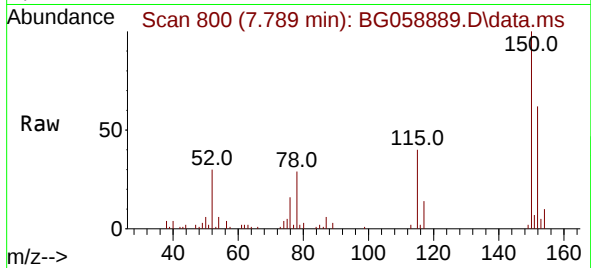




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.789 min Scan# 80
Delta R.T. -0.000 min
Lab File: BG058889.D
Acq: 29 Aug 2023 16:04

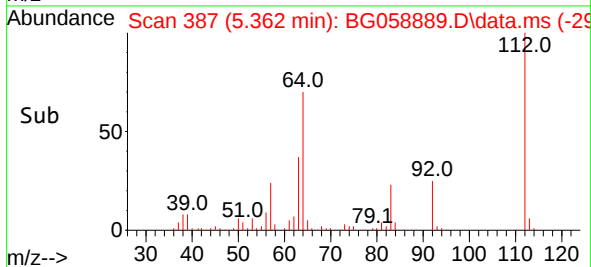
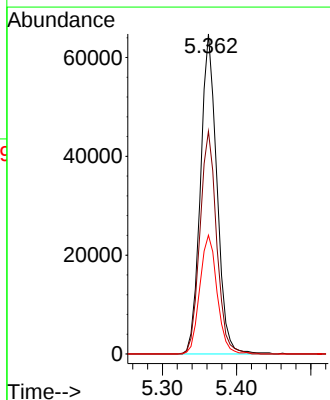
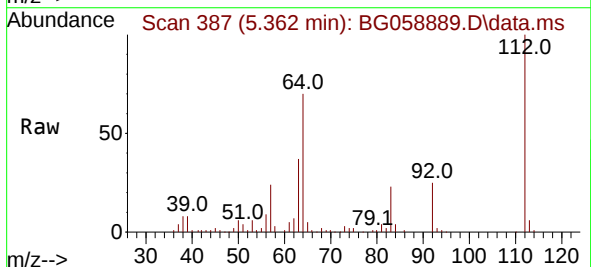
Instrument :
BNA_G
ClientSampleId :
WC-5

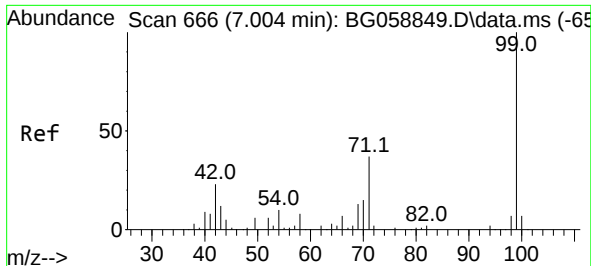
Tgt Ion:152 Resp: 17625
Ion Ratio Lower Upper
152 100
150 160.1 128.6 192.8
115 63.6 50.4 75.6



#5
2-Fluorophenol
Concen: 91.090 ng
RT: 5.362 min Scan# 387
Delta R.T. 0.005 min
Lab File: BG058889.D
Acq: 29 Aug 2023 16:04

Tgt Ion:112 Resp: 99764
Ion Ratio Lower Upper
112 100
64 69.6 60.6 90.8
63 37.1 31.0 46.4

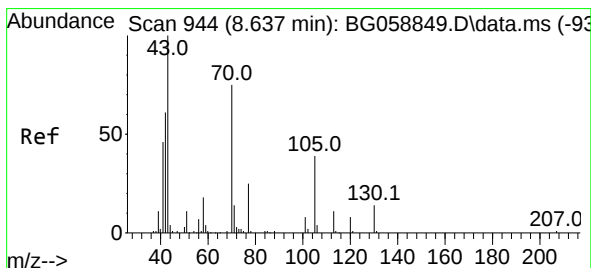
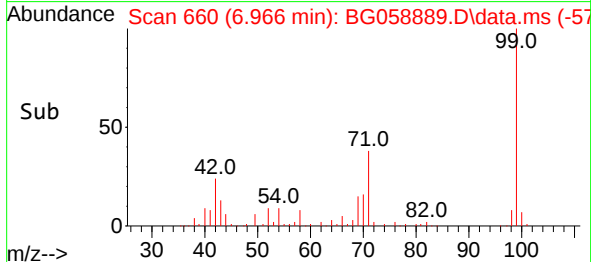
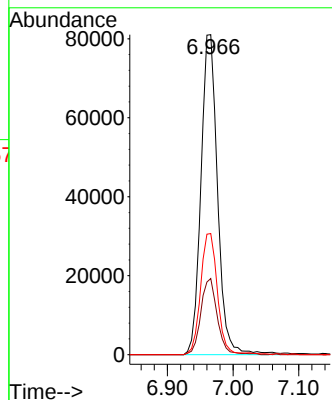
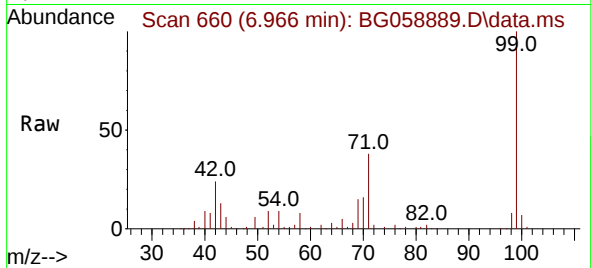




#7
Phenol-d6
Concen: 93.143 ng
RT: 6.966 min Scan# 60
Delta R.T. -0.000 min
Lab File: BG058889.D
Acq: 29 Aug 2023 16:04

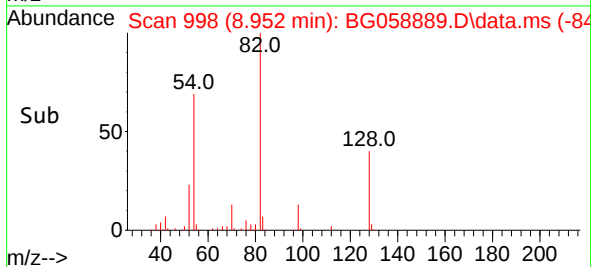
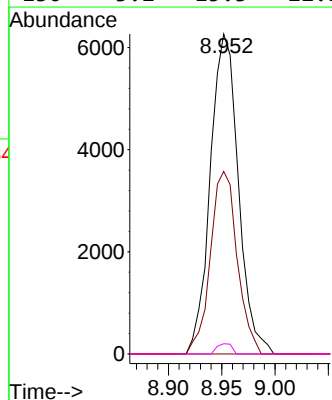
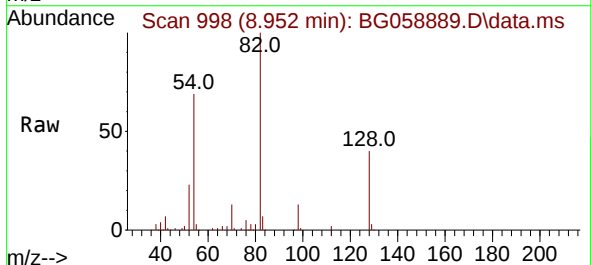
Instrument :
BNA_G
ClientSampleId :
WC-5

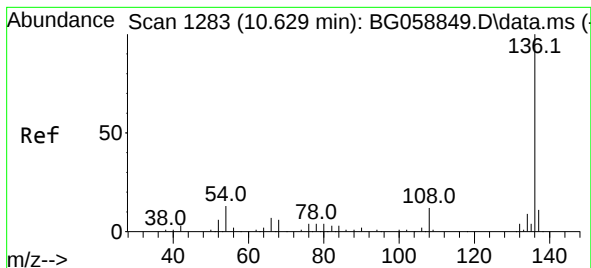
Tgt Ion: 99 Resp: 143125
Ion Ratio Lower Upper
99 100
42 23.8 16.5 24.7
71 37.8 28.4 42.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.523 ng
RT: 8.952 min Scan# 998
Delta R.T. 0.352 min
Lab File: BG058889.D
Acq: 29 Aug 2023 16:04

Tgt Ion: 70 Resp: 11446
Ion Ratio Lower Upper
70 100
42 57.1 59.2 88.8#
101 0.0 8.2 12.2#
130 3.2 15.3 22.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.591 min Scan# 11

Delta R.T. -0.000 min

Lab File: BG058889.D

Acq: 29 Aug 2023 16:04

Instrument :

BNA_G

ClientSampleId :

WC-5

Tgt Ion:136 Resp: 76880

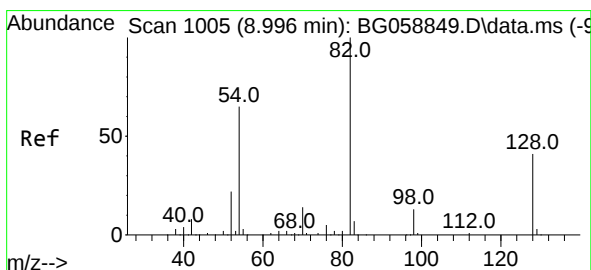
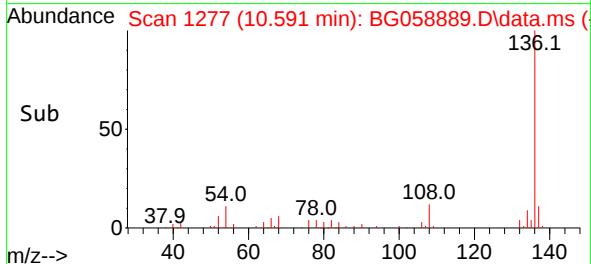
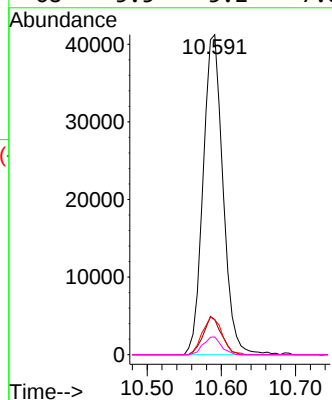
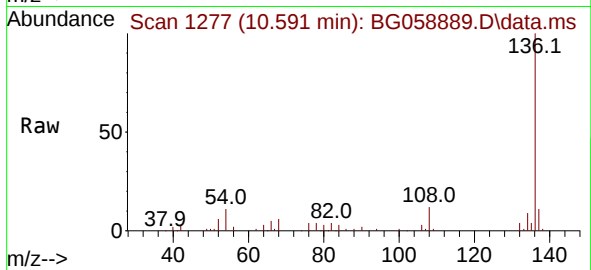
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 10.9 10.1 15.1

68 5.5 5.2 7.8



#23

Nitrobenzene-d5

Concen: 55.333 ng

RT: 8.952 min Scan# 998

Delta R.T. -0.006 min

Lab File: BG058889.D

Acq: 29 Aug 2023 16:04

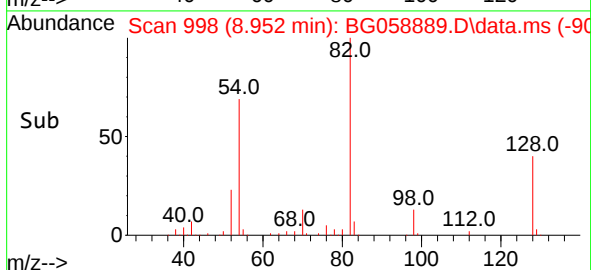
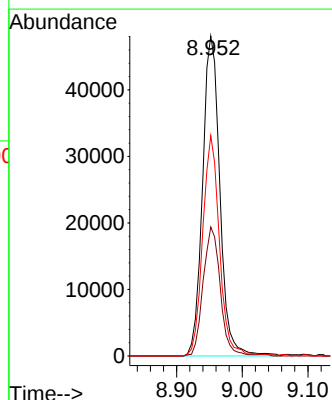
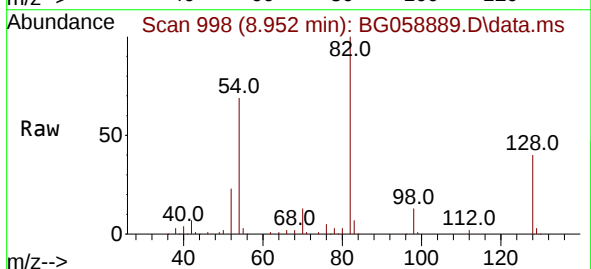
Tgt Ion: 82 Resp: 88482

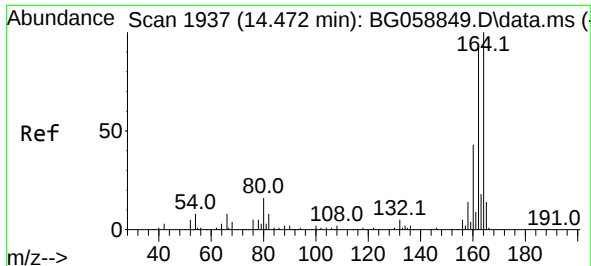
Ion Ratio Lower Upper

82 100

128 40.3 33.2 49.8

54 68.9 51.2 76.8

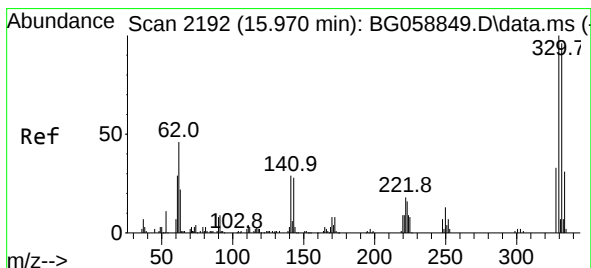
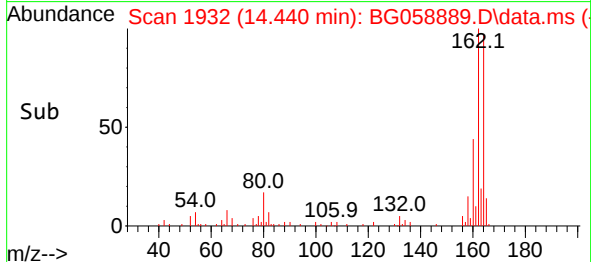
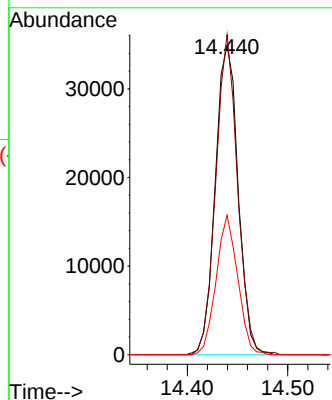
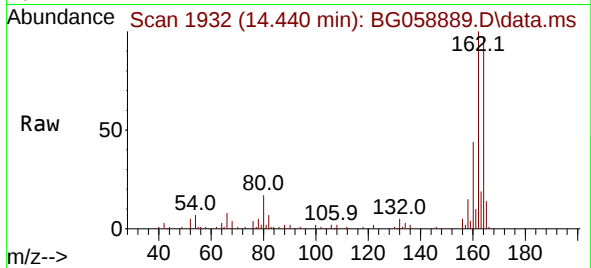




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.440 min Scan# 1932
Delta R.T. -0.000 min
Lab File: BG058889.D
Acq: 29 Aug 2023 16:04

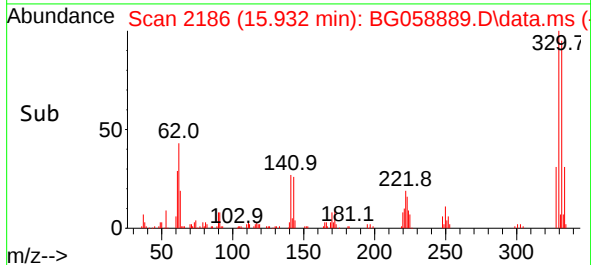
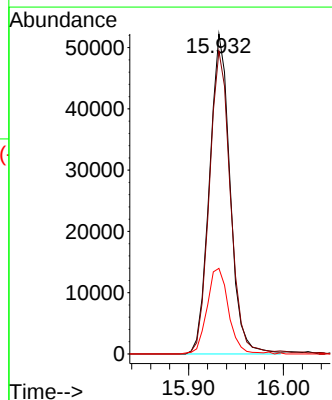
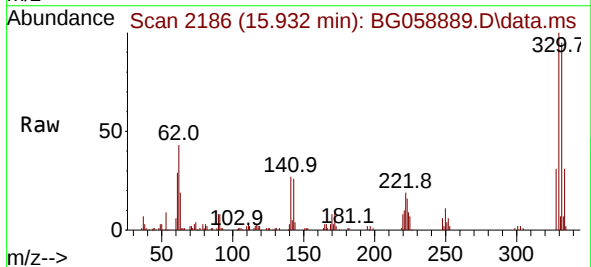
Instrument :
BNA_G
ClientSampleId :
WC-5

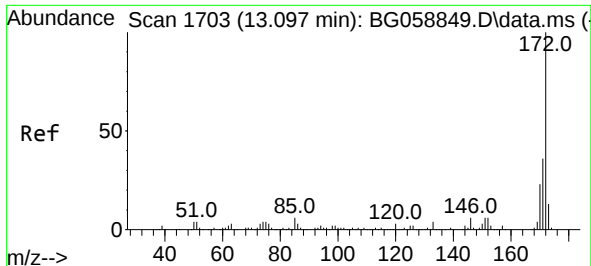
Tgt Ion:164 Resp: 55155
Ion Ratio Lower Upper
164 100
162 103.5 79.6 119.4
160 45.1 34.0 51.0



#42
2,4,6-Tribromophenol
Concen: 91.157 ng
RT: 15.932 min Scan# 2186
Delta R.T. -0.000 min
Lab File: BG058889.D
Acq: 29 Aug 2023 16:04

Tgt Ion:330 Resp: 78834
Ion Ratio Lower Upper
330 100
332 97.4 78.5 117.7
141 28.0 23.0 34.6

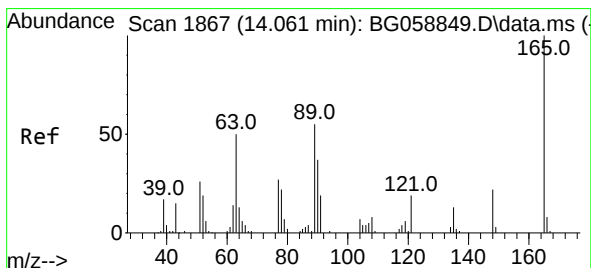
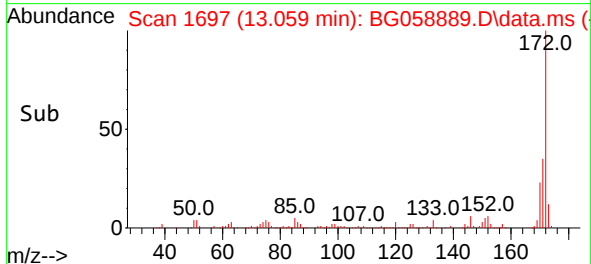
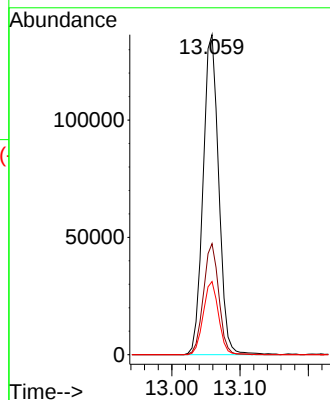
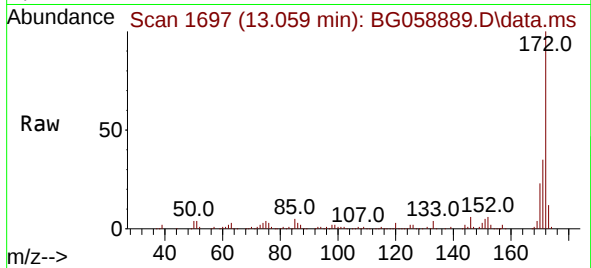




#45
2-Fluorobiphenyl
Concen: 57.372 ng
RT: 13.059 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG058889.D
Acq: 29 Aug 2023 16:04

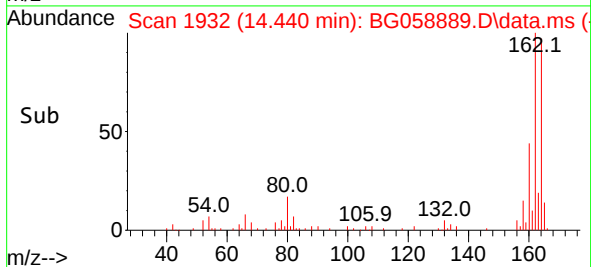
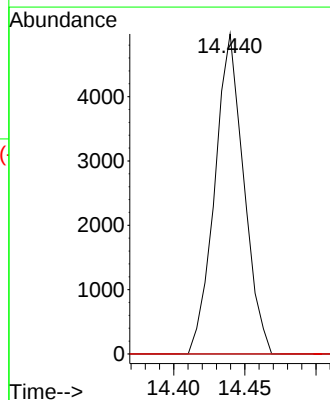
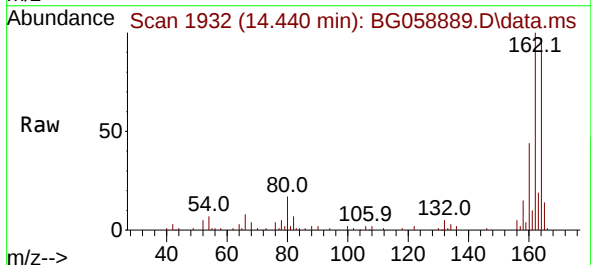
Instrument :
BNA_G
ClientSampleId :
WC-5

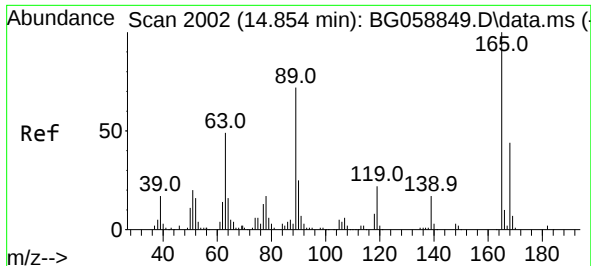
Tgt Ion:172 Resp: 217563
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 22.9 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 7.870 ng
RT: 14.440 min Scan# 1932
Delta R.T. 0.411 min
Lab File: BG058889.D
Acq: 29 Aug 2023 16:04

Tgt Ion:165 Resp: 7061
Ion Ratio Lower Upper
165 100
63 0.0 47.2 70.8#
89 0.0 45.0 67.4#





#57

2,4-Dinitrotoluene

Concen: 5.643 ng

RT: 14.440 min Scan# 1932

Delta R.T. -0.382 min

Lab File: BG058889.D

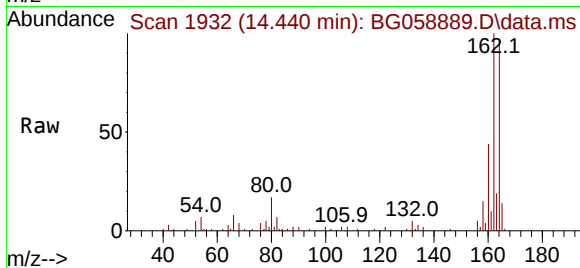
Acq: 29 Aug 2023 16:04

Instrument :

BNA_G

ClientSampleId :

WC-5



Tgt Ion:165 Resp: 7061

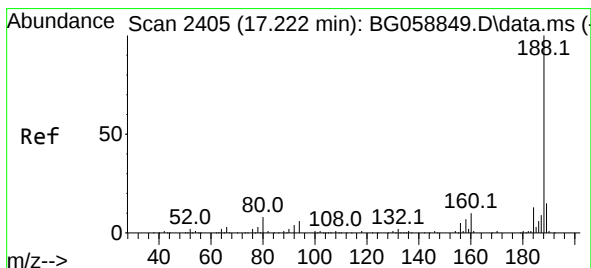
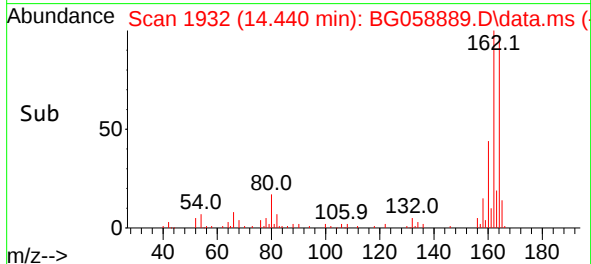
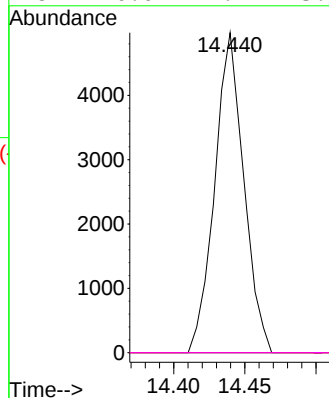
Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.6#

89 0.0 60.7 91.1#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.183 min Scan# 2399

Delta R.T. -0.000 min

Lab File: BG058889.D

Acq: 29 Aug 2023 16:04

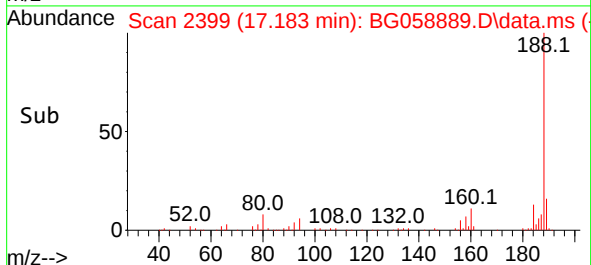
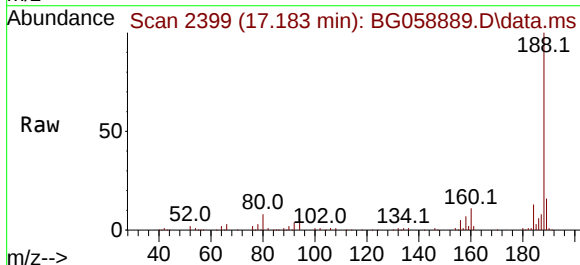
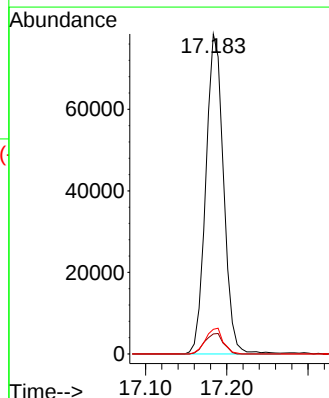
Tgt Ion:188 Resp: 118732

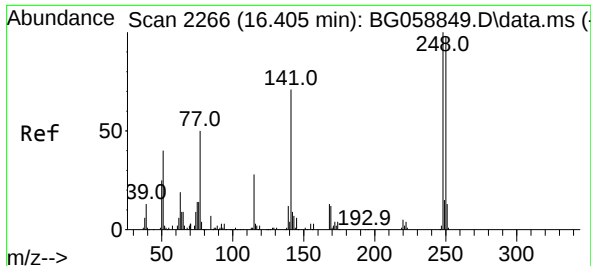
Ion Ratio Lower Upper

188 100

94 6.2 6.1 9.1

80 7.7 6.9 10.3

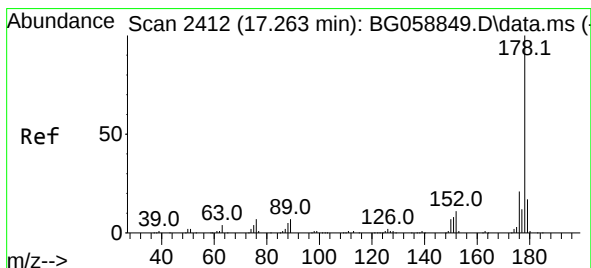
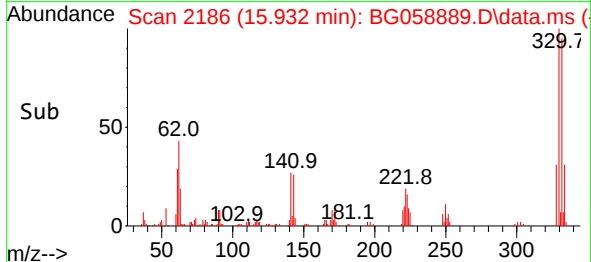
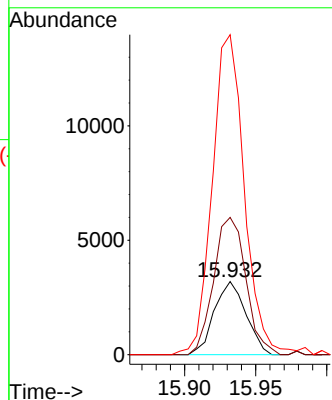
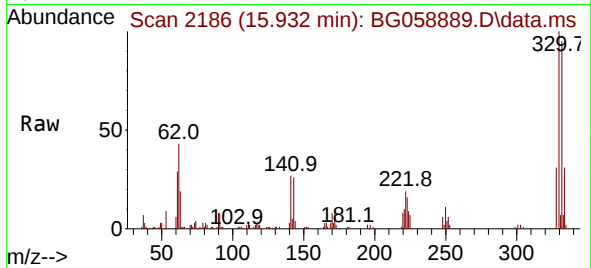




#67
4-Bromophenyl-phenylether
Concen: 3.799 ng
RT: 15.932 min Scan# 2186
Delta R.T. -0.441 min
Lab File: BG058889.D
Acq: 29 Aug 2023 16:04

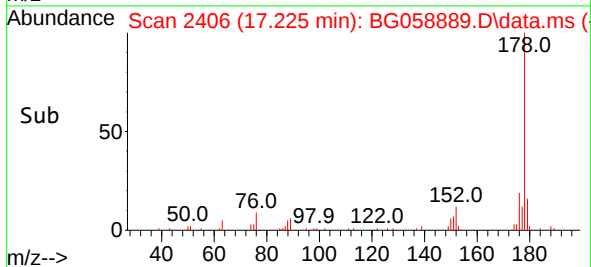
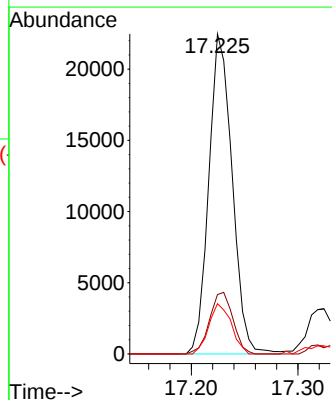
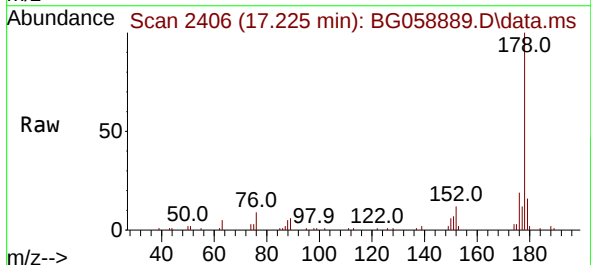
Instrument :
BNA_G
ClientSampleId :
WC-5

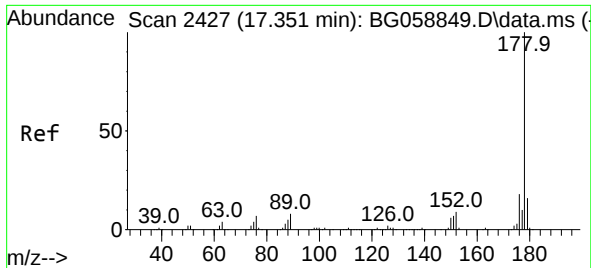
Tgt Ion:248 Resp: 4950
Ion Ratio Lower Upper
248 100
250 187.8 77.7 116.5#
141 437.9 53.6 80.4#



#71
Phenanthrene
Concen: 5.990 ng
RT: 17.225 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BG058889.D
Acq: 29 Aug 2023 16:04

Tgt Ion:178 Resp: 34142
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.7 13.0 19.4

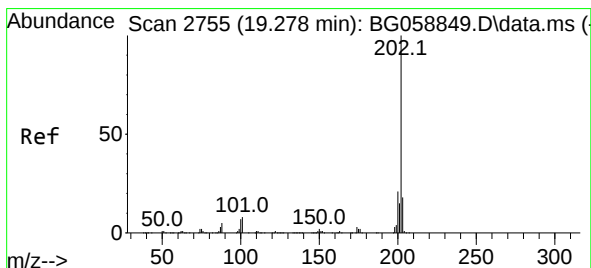
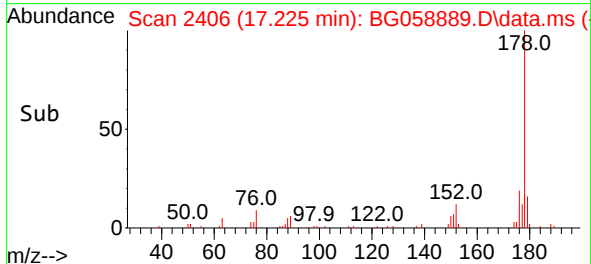
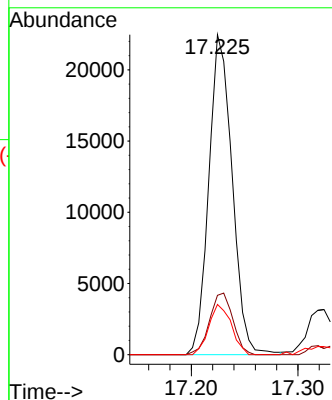
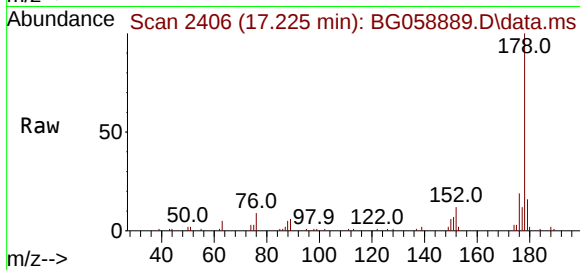




#72
 Anthracene
 Concen: 5.972 ng
 RT: 17.225 min Scan# 2427
 Delta R.T. -0.094 min
 Lab File: BG058889.D
 Acq: 29 Aug 2023 16:04

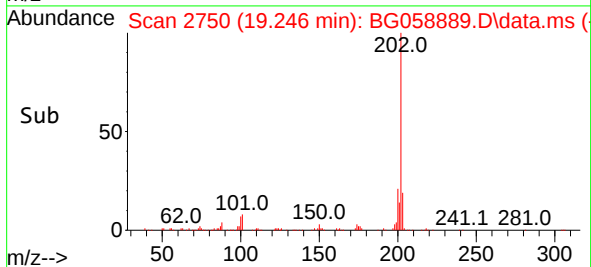
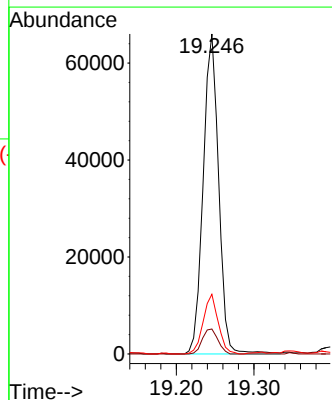
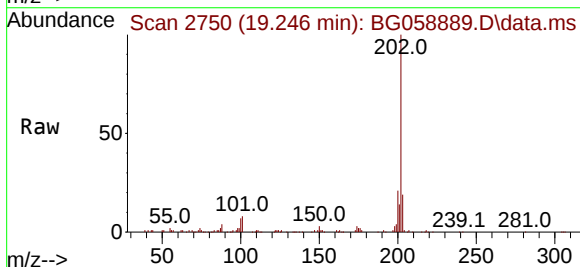
Instrument :
 BNA_G
 ClientSampleId :
 WC-5

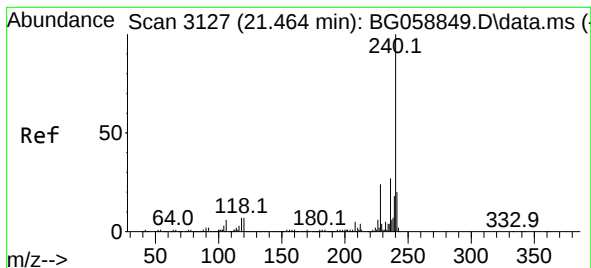
Tgt Ion:178 Resp: 34142
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.2
 179 15.7 12.9 19.3



#75
 Fluoranthene
 Concen: 12.943 ng
 RT: 19.246 min Scan# 2750
 Delta R.T. 0.006 min
 Lab File: BG058889.D
 Acq: 29 Aug 2023 16:04

Tgt Ion:202 Resp: 91488
 Ion Ratio Lower Upper
 202 100
 101 7.8 0.0 29.7
 203 18.7 0.0 38.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.426 min Scan# 31

Delta R.T. -0.000 min

Lab File: BG058889.D

Acq: 29 Aug 2023 16:04

Instrument :

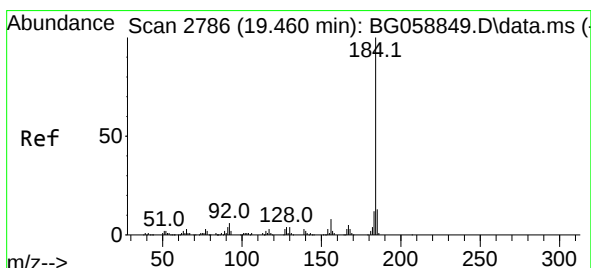
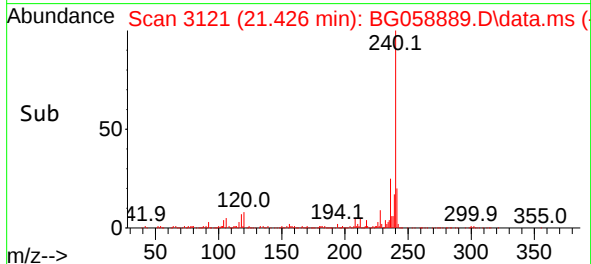
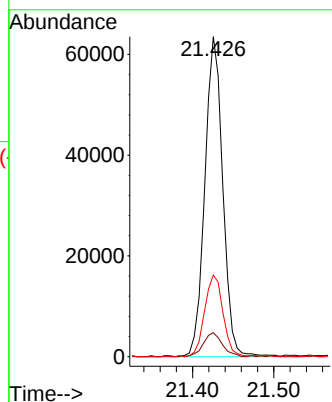
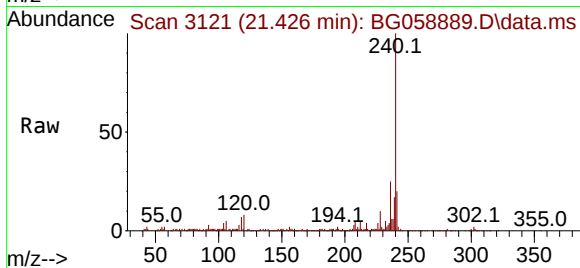
BNA_G

ClientSampleId :

WC-5

Tgt Ion:240 Resp: 97218

Ion	Ratio	Lower	Upper
240	100		
120	7.5	6.2	9.2
236	25.5	20.5	30.7



#77

Benzidine

Concen: 3.001 ng

RT: 19.810 min Scan# 2846

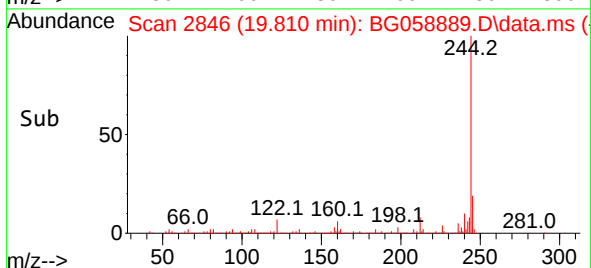
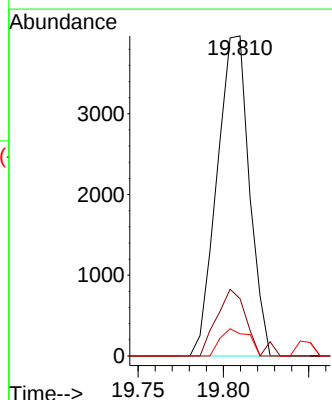
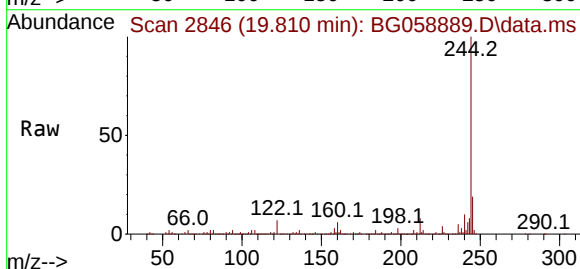
Delta R.T. 0.382 min

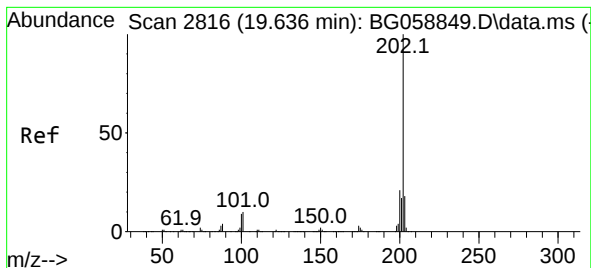
Lab File: BG058889.D

Acq: 29 Aug 2023 16:04

Tgt Ion:184 Resp: 5229

Ion	Ratio	Lower	Upper
184	100		
185	17.9	11.9	17.9#
183	6.9	10.0	15.0#





#78

Pyrene

Concen: 11.237 ng

RT: 19.604 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG058889.D

Acq: 29 Aug 2023 16:04

Instrument :

BNA_G

ClientSampleId :

WC-5

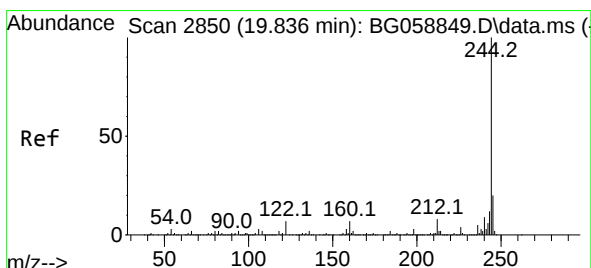
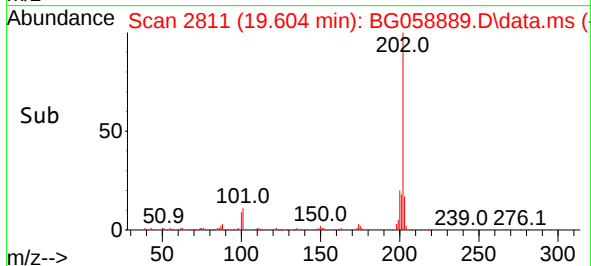
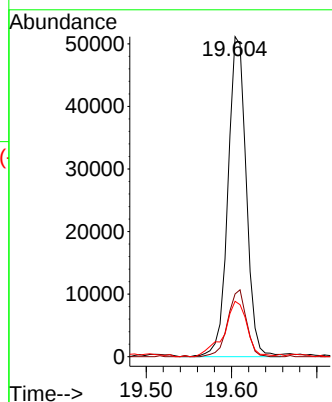
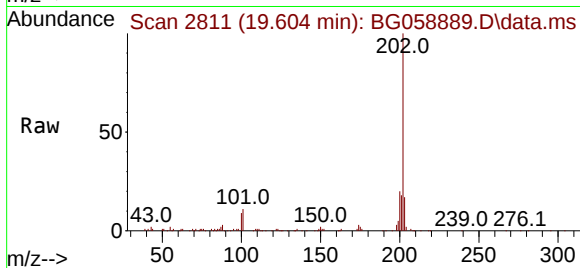
Tgt Ion:202 Resp: 76115

Ion Ratio Lower Upper

202 100

200 19.6 16.7 25.1

203 17.3 15.3 22.9



#79

Terphenyl-d14

Concen: 60.707 ng

RT: 19.804 min Scan# 2845

Delta R.T. -0.000 min

Lab File: BG058889.D

Acq: 29 Aug 2023 16:04

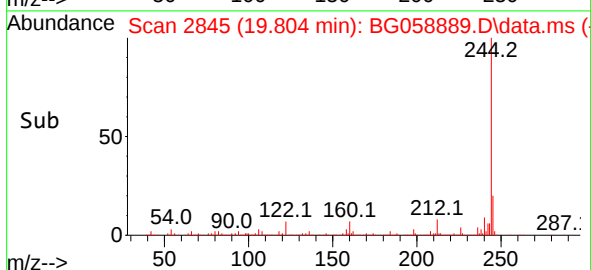
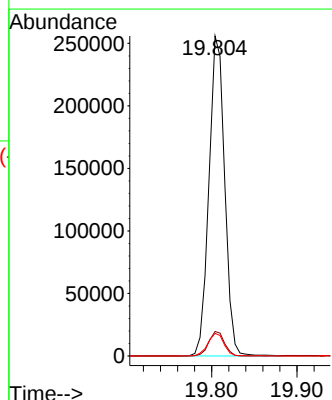
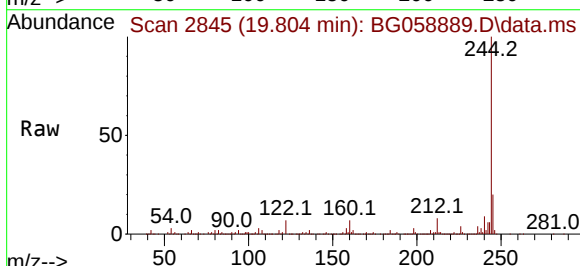
Tgt Ion:244 Resp: 328684

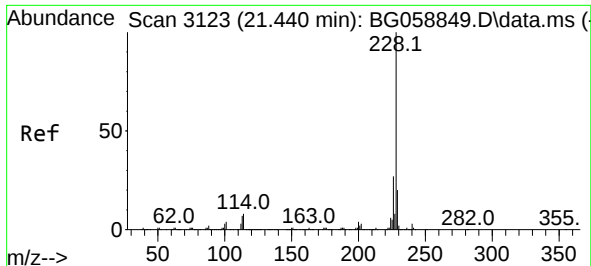
Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

122 7.1 6.3 9.5

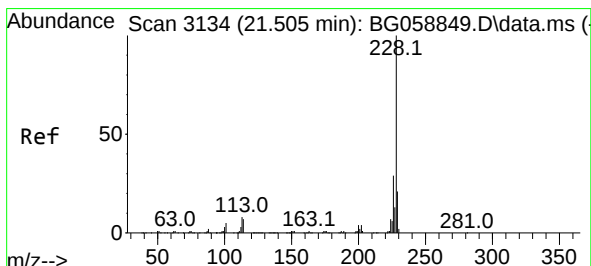
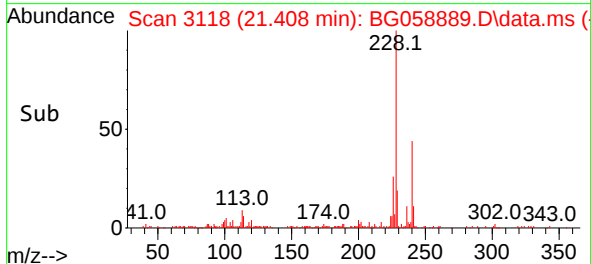
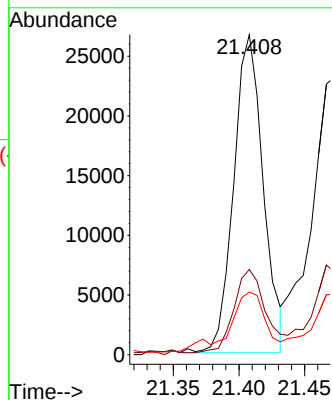
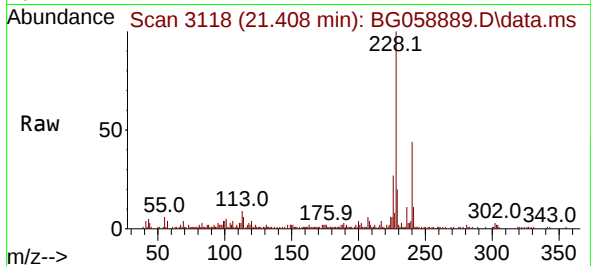




#81
Benzo(a)anthracene
Concen: 6.176 ng
RT: 21.408 min Scan# 3118
Delta R.T. 0.006 min
Lab File: BG058889.D
Acq: 29 Aug 2023 16:04

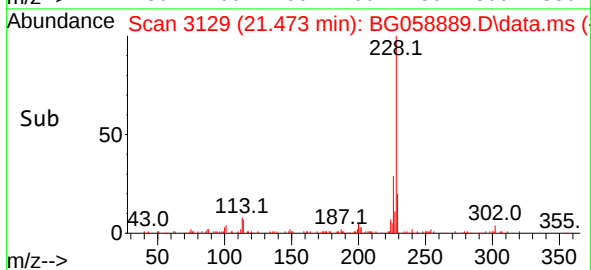
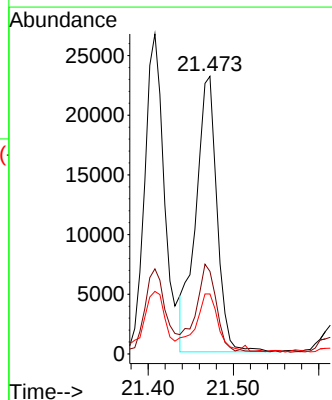
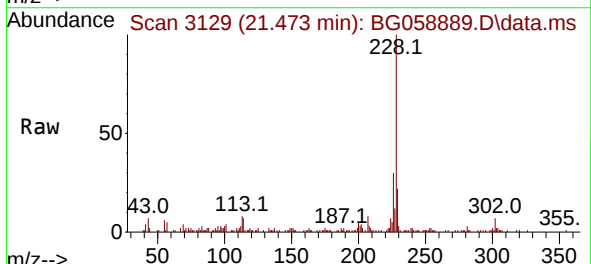
Instrument :
BNA_G
ClientSampleId :
WC-5

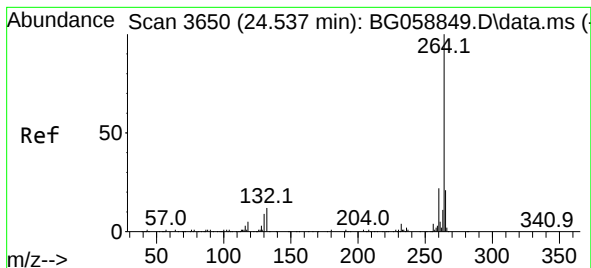
Tgt Ion:228 Resp: 41794
Ion Ratio Lower Upper
228 100
226 26.6 22.6 33.8
229 19.5 16.8 25.2



#83
Chrysene
Concen: 6.135 ng
RT: 21.473 min Scan# 3129
Delta R.T. 0.006 min
Lab File: BG058889.D
Acq: 29 Aug 2023 16:04

Tgt Ion:228 Resp: 40020
Ion Ratio Lower Upper
228 100
226 29.8 24.4 36.6
229 21.6 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.481 min Scan# 3

Delta R.T. 0.011 min

Lab File: BG058889.D

Acq: 29 Aug 2023 16:04

Instrument :

BNA_G

ClientSampleId :

WC-5

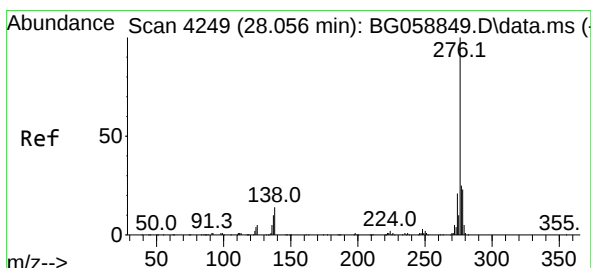
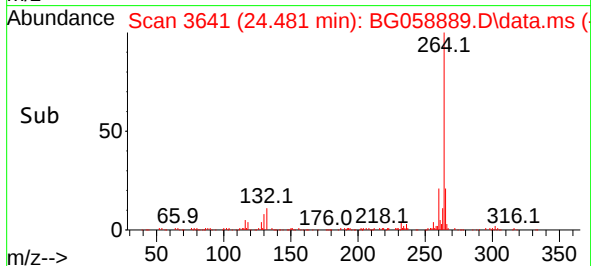
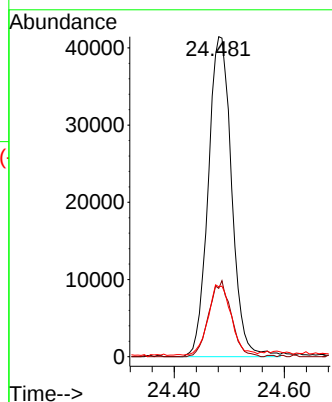
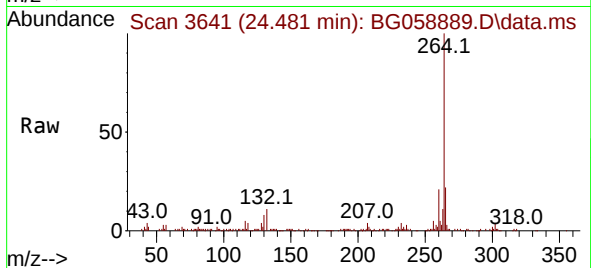
Tgt Ion:264 Resp: 122316

Ion Ratio Lower Upper

264 100

260 21.4 18.2 27.2

265 21.8 16.4 24.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.050 ng

RT: 27.965 min Scan# 4234

Delta R.T. 0.011 min

Lab File: BG058889.D

Acq: 29 Aug 2023 16:04

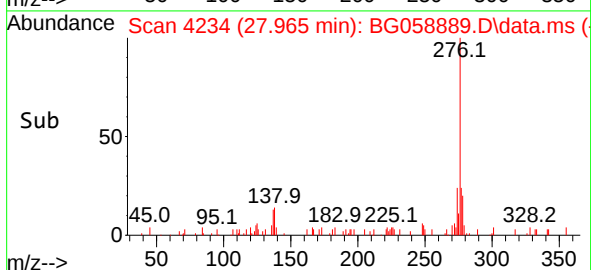
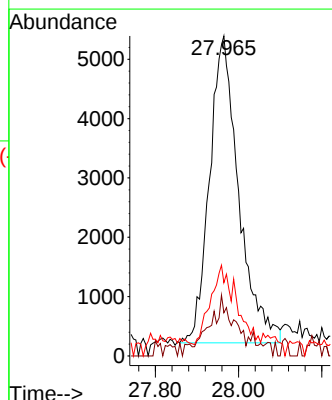
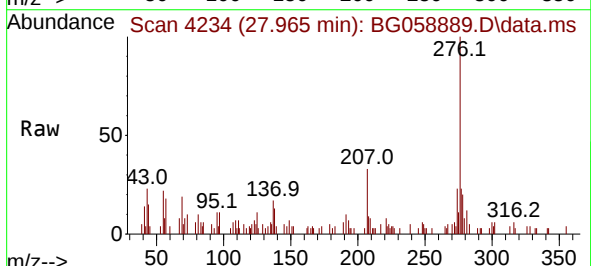
Tgt Ion:276 Resp: 25241

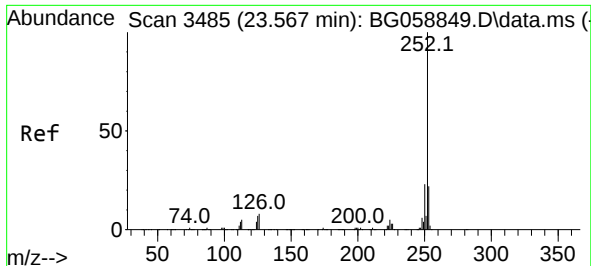
Ion Ratio Lower Upper

276 100

138 8.7 6.2 9.2

277 16.0 20.4 30.6#

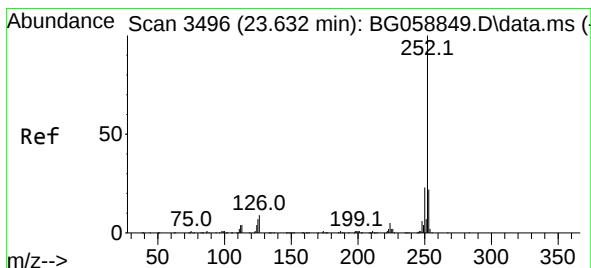
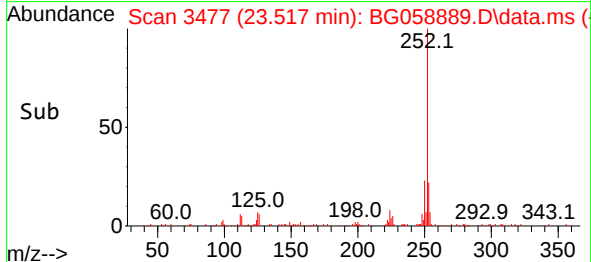
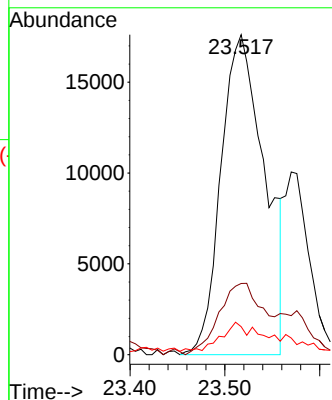
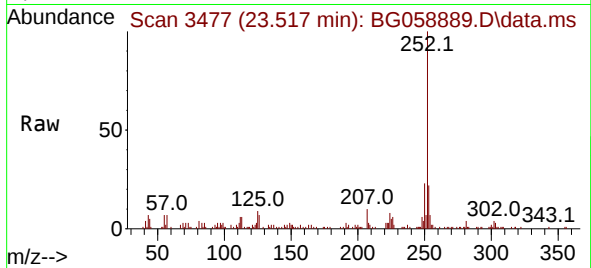




#88
Benzo(b)fluoranthene
Concen: 8.291 ng
RT: 23.517 min Scan# 3485
Delta R.T. 0.011 min
Lab File: BG058889.D
Acq: 29 Aug 2023 16:04

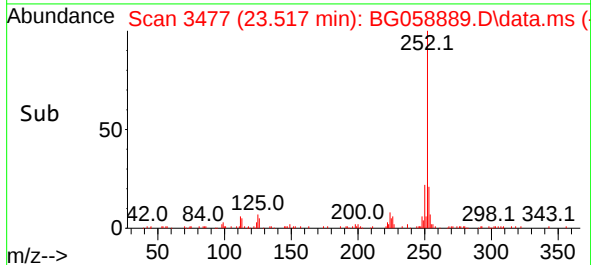
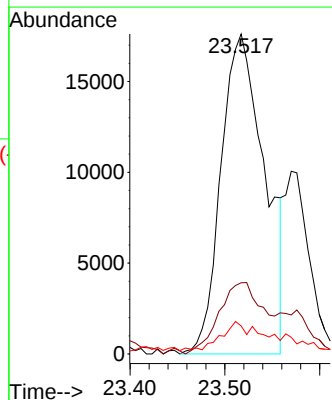
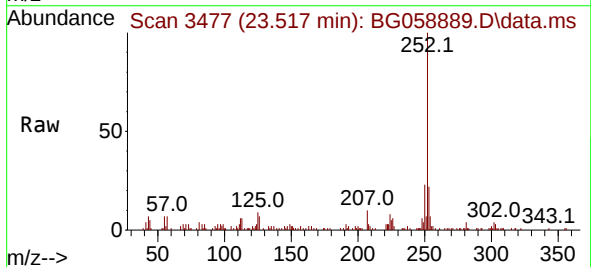
Instrument :
BNA_G
ClientSampleId :
WC-5

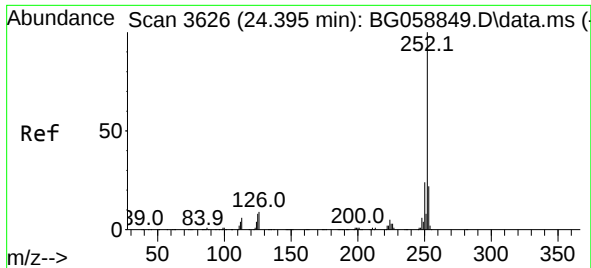
Tgt Ion:252 Resp: 56267
Ion Ratio Lower Upper
252 100
253 22.2 18.4 27.6
125 8.7 6.2 9.2



#89
Benzo(k)fluoranthene
Concen: 8.039 ng
RT: 23.517 min Scan# 3477
Delta R.T. -0.053 min
Lab File: BG058889.D
Acq: 29 Aug 2023 16:04

Tgt Ion:252 Resp: 56267
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 8.7 6.3 9.5

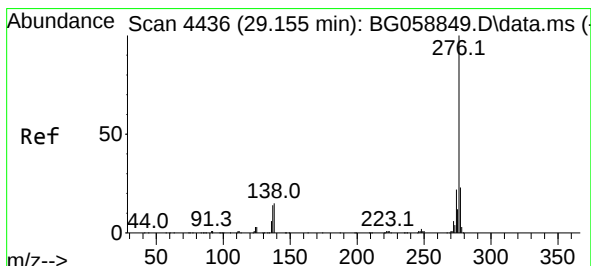
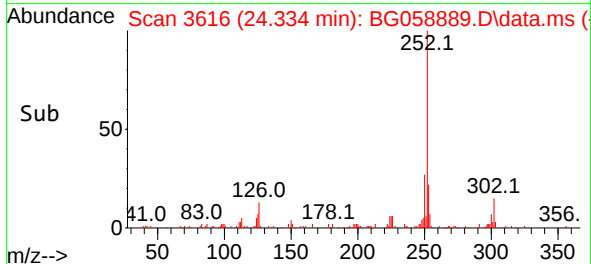
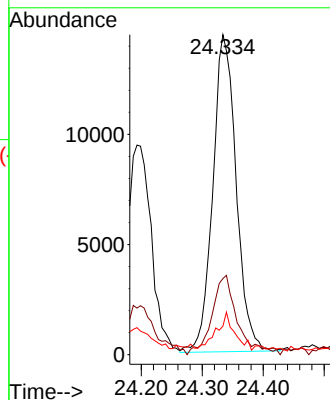
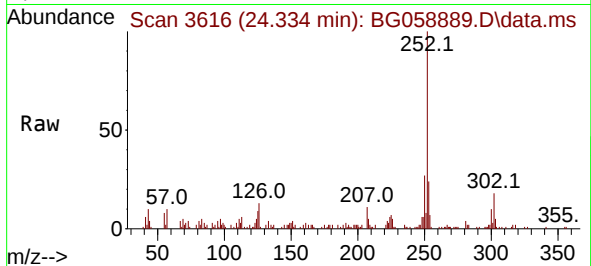




#90
Benzo(a)pyrene
Concen: 5.748 ng
RT: 24.334 min Scan# 30
Delta R.T. -0.000 min
Lab File: BG058889.D
Acq: 29 Aug 2023 16:04

Instrument :
BNA_G
ClientSampleId :
WC-5

Tgt Ion:252 Resp: 38413
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 8.9 6.8 10.2



#92
Benzo(g,h,i)perylene
Concen: 3.286 ng
RT: 29.040 min Scan# 4417
Delta R.T. -0.006 min
Lab File: BG058889.D
Acq: 29 Aug 2023 16:04

Tgt Ion:276 Resp: 22340
Ion Ratio Lower Upper
276 100
277 22.0 17.8 26.6
138 14.1 11.1 16.7

