

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011823\
 Data File : BG056345.D
 Acq On : 19 Jan 2023 2:20
 Operator : CG/JU
 Sample : 01178-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AU-5-011723

Quant Time: Jan 19 03:48:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 19 00:31:30 2023
 Response via : Initial Calibration

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

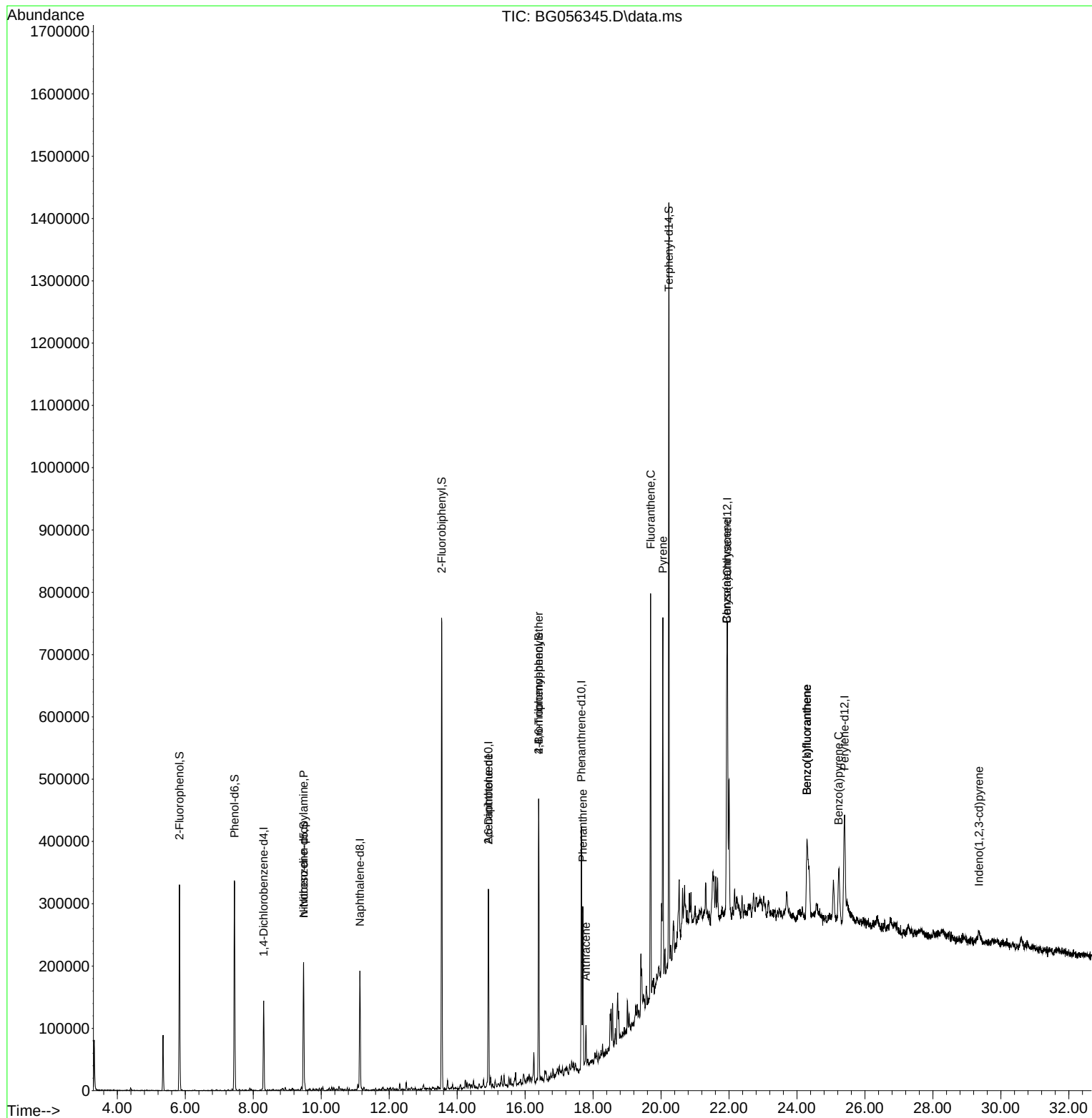
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.309	152	48009	20.000	ng	0.00
21) Naphthalene-d8	11.141	136	178139	20.000	ng	0.00
39) Acenaphthene-d10	14.919	164	123990	20.000	ng	0.00
64) Phenanthrene-d10	17.657	188	274969	20.000	ng	0.00
76) Chrysene-d12	21.952	240	255675	20.000	ng	0.00
86) Perylene-d12	25.401	264	253662	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.829	112	184089	68.464	ng	0.00
7) Phenol-d6	7.451	99	264792	64.125	ng	0.00
23) Nitrobenzene-d5	9.484	82	145350	41.736	ng	0.00
42) 2,4,6-Tribromophenol	16.399	330	94752	60.340	ng	0.00
45) 2-Fluorobiphenyl	13.544	172	437846	48.764	ng	0.00
79) Terphenyl-d14	20.230	244	648614	45.437	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	9.484	70	19601	7.806	ng	# 72
51) 2,6-Dinitrotoluene	14.919	165	17957	8.420	ng	# 34
67) 4-Bromophenyl-phenylether	16.399	248	8243	2.354	ng	# 1
71) Phenanthrene	17.698	178	179666	12.608	ng	98
72) Anthracene	17.792	178	44857	3.052	ng	99
75) Fluoranthene	19.695	202	468039	25.180	ng	100
78) Pyrene	20.054	202	394495	21.891	ng	99
81) Benzo(a)anthracene	21.934	228	239055	13.312	ng	99
83) Chrysene	21.934	228	239055	14.212	ng	96
87) Indeno(1,2,3-cd)pyrene	29.355	276	38437	2.084	ng	# 56
88) Benzo(b)fluoranthene	24.296	252	209870	13.022	ng	# 94
89) Benzo(k)fluoranthene	24.296	252	209870	13.077	ng	# 95
90) Benzo(a)pyrene	25.230	252	117998	7.506	ng	# 92

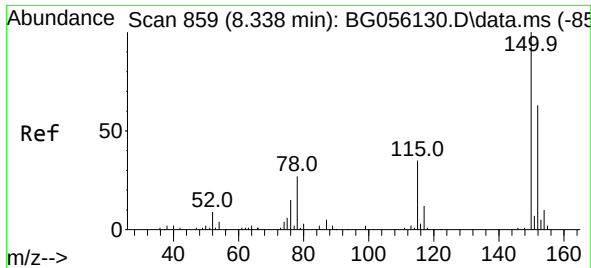
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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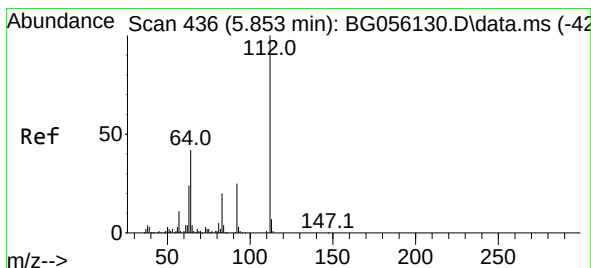
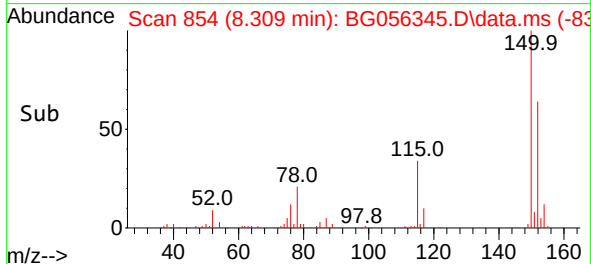
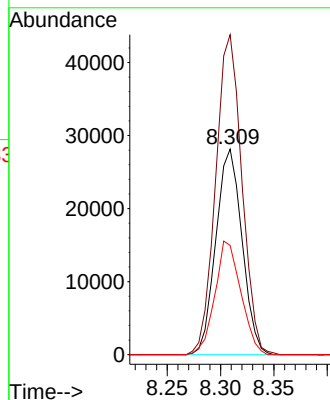
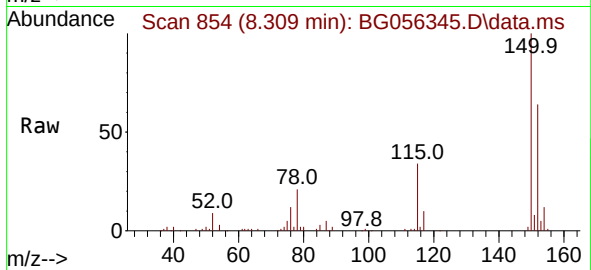




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.309 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

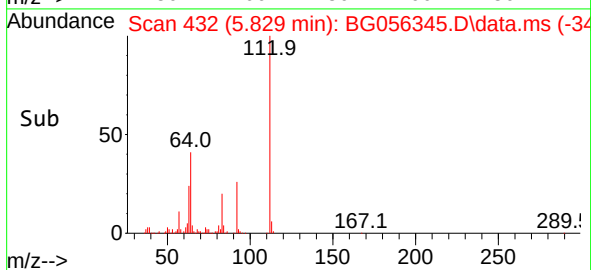
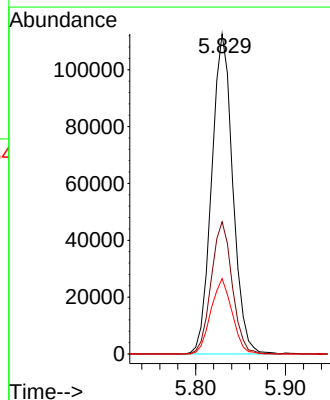
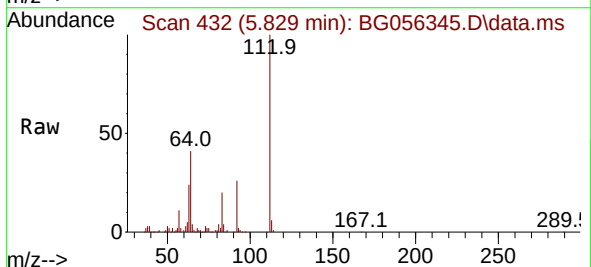
Instrument :
BNA_G
ClientSampleId :
AU-5-011723

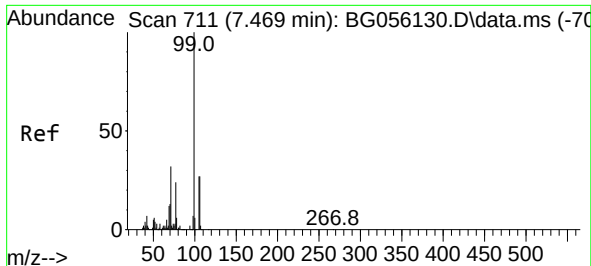
Tgt Ion:152 Resp: 48009
Ion Ratio Lower Upper
152 100
150 155.6 127.9 191.9
115 53.1 44.2 66.2



#5
2-Fluorophenol
Concen: 68.464 ng
RT: 5.829 min Scan# 432
Delta R.T. 0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

Tgt Ion:112 Resp: 184089
Ion Ratio Lower Upper
112 100
64 41.3 33.3 49.9
63 23.6 19.0 28.4

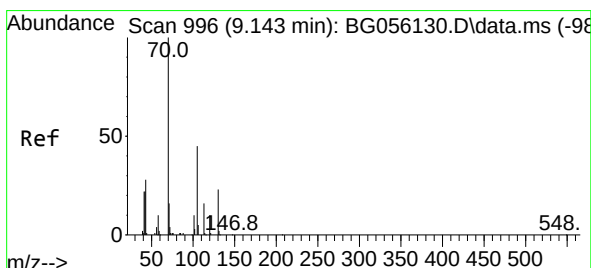
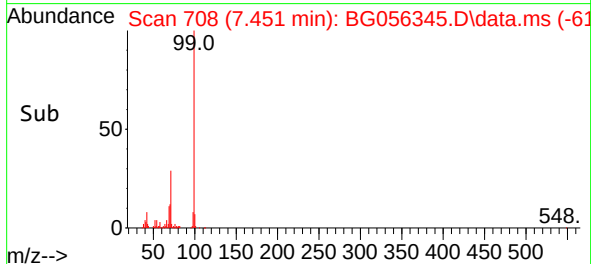
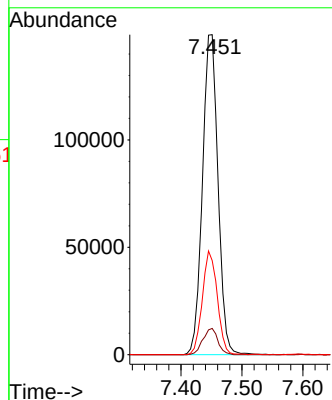
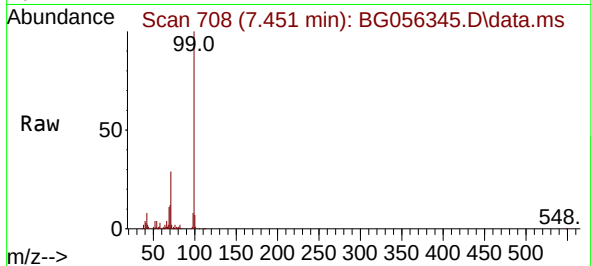




#7
Phenol-d6
Concen: 64.125 ng
RT: 7.451 min Scan# 70
Delta R.T. 0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

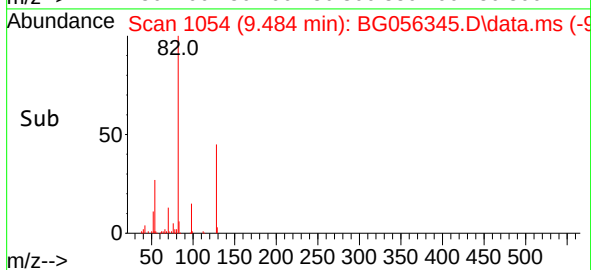
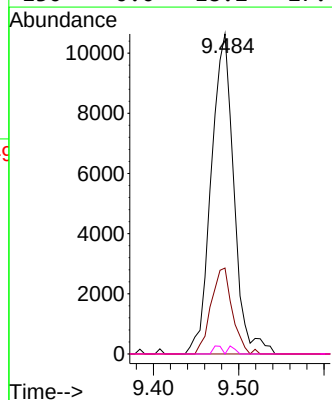
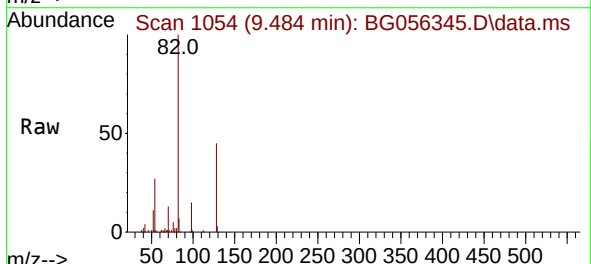
Instrument :
BNA_G
ClientSampleId :
AU-5-011723

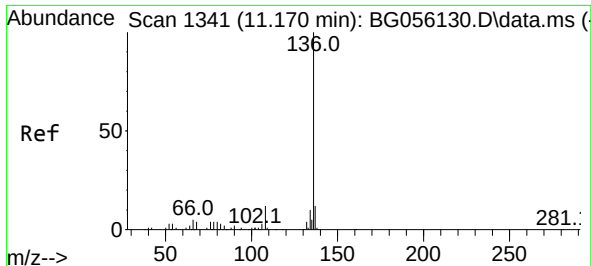
Tgt Ion: 99 Resp: 264792
Ion Ratio Lower Upper
99 100
42 8.2 5.9 8.9
71 29.4 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 7.806 ng
RT: 9.484 min Scan# 1054
Delta R.T. 0.373 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

Tgt Ion: 70 Resp: 19601
Ion Ratio Lower Upper
70 100
42 26.9 18.2 27.2
101 0.0 8.3 12.5#
130 0.0 18.2 27.4#

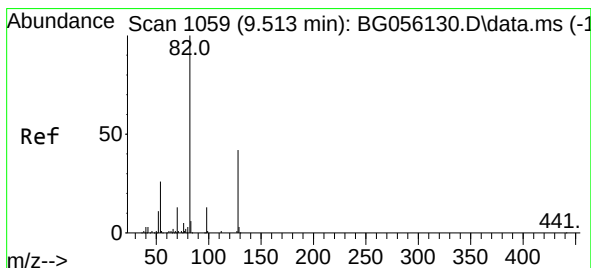
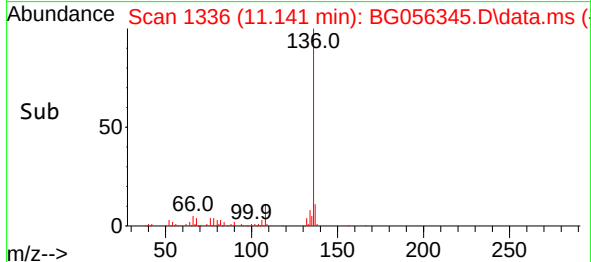
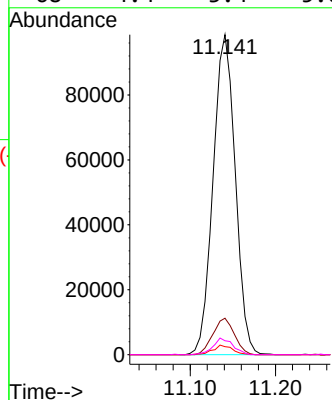
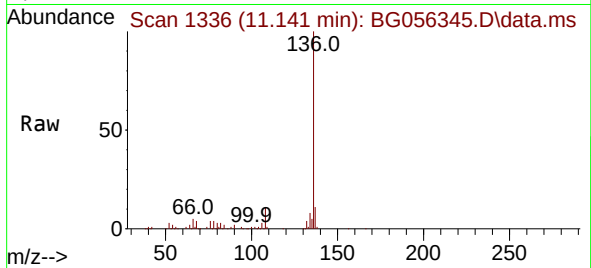




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.141 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

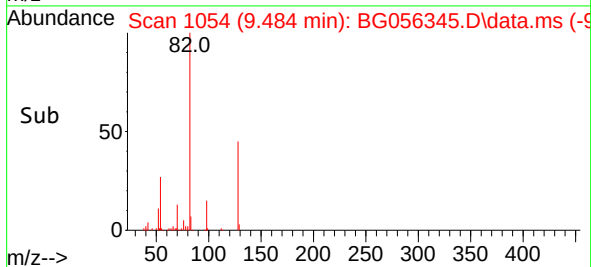
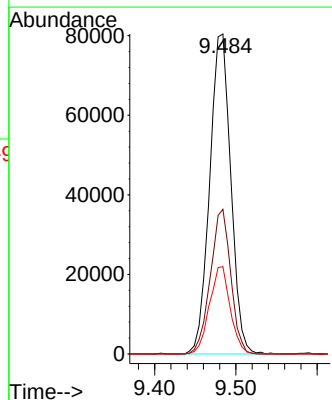
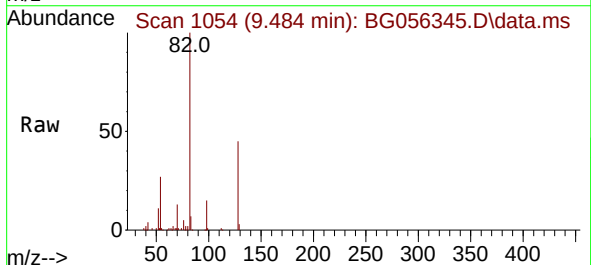
Instrument :
BNA_G
ClientSampleId :
AU-5-011723

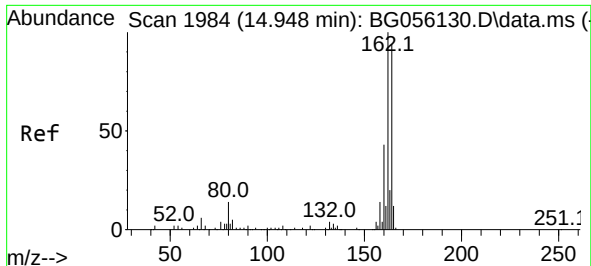
Tgt Ion:	136	Resp:	178139
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.0
54	2.5	2.2	3.2
68	4.4	3.4	5.0



#23
Nitrobenzene-d5
Concen: 41.736 ng
RT: 9.484 min Scan# 1054
Delta R.T. -0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

Tgt Ion:	82	Resp:	145350
Ion	Ratio	Lower	Upper
82	100		
128	45.2	33.4	50.2
54	27.3	20.3	30.5

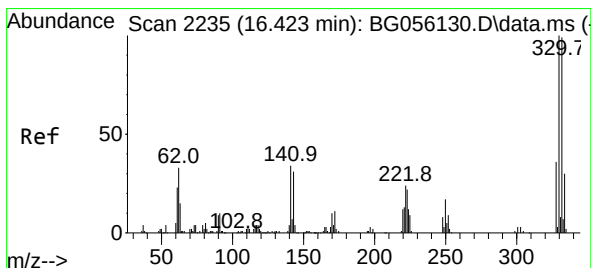
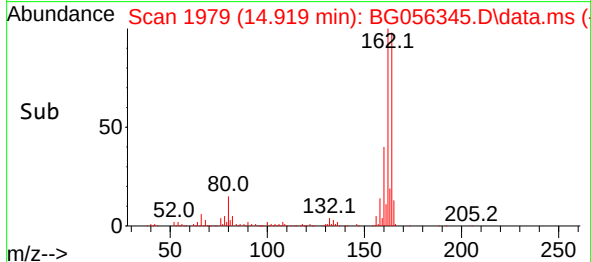
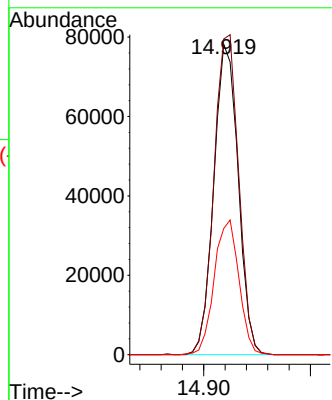
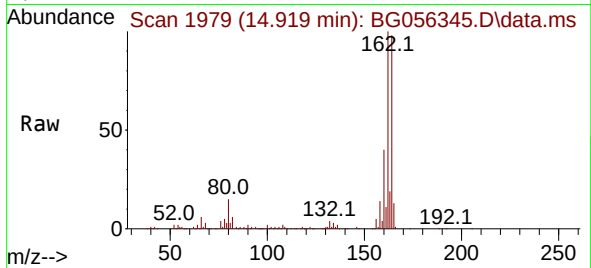




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.919 min Scan# 1984
Delta R.T. -0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

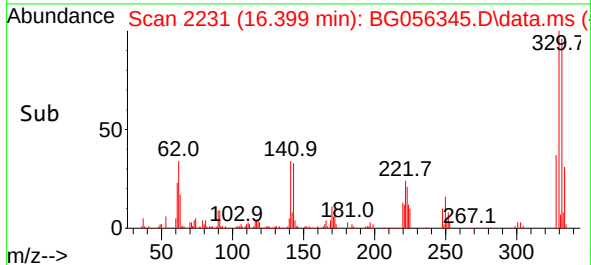
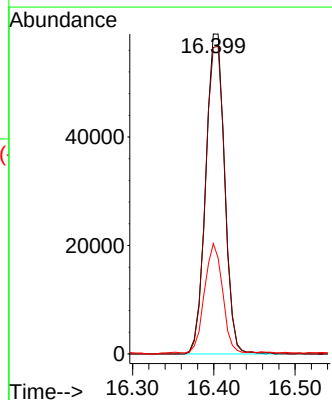
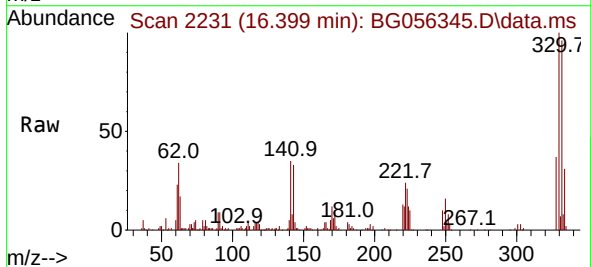
Instrument :
BNA_G
ClientSampleId :
AU-5-011723

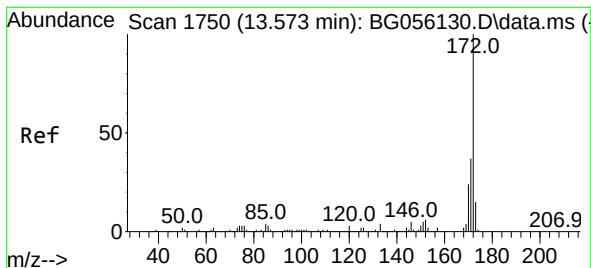
Tgt Ion:164 Resp: 123990
Ion Ratio Lower Upper
164 100
162 101.7 84.7 127.1
160 40.6 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 60.340 ng
RT: 16.399 min Scan# 2231
Delta R.T. -0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

Tgt Ion:330 Resp: 94752
Ion Ratio Lower Upper
330 100
332 98.7 77.3 115.9
141 32.4 27.9 41.9





#45

2-Fluorobiphenyl

Concen: 48.764 ng

RT: 13.544 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG056345.D

Acq: 19 Jan 2023 2:20

Instrument :

BNA_G

ClientSampleId :

AU-5-011723

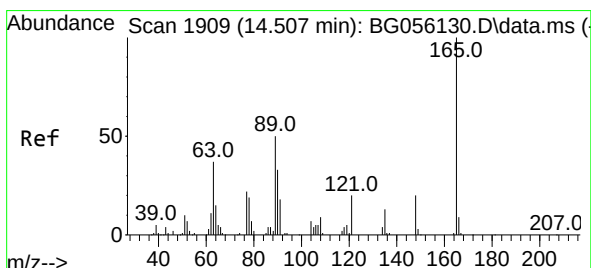
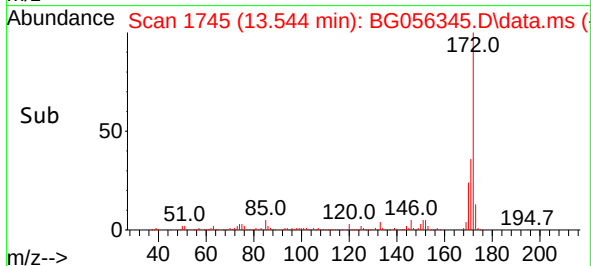
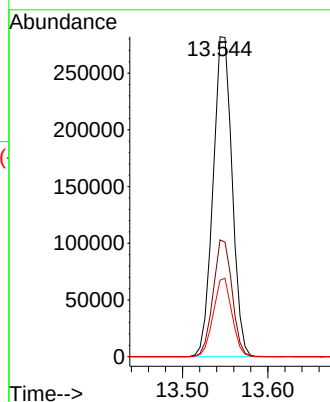
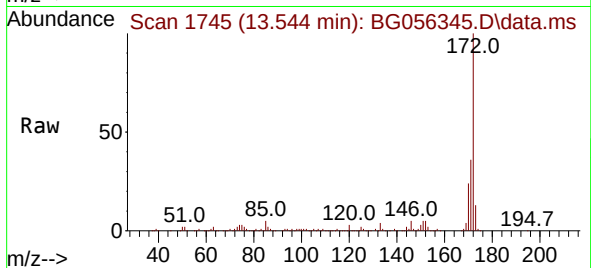
Tgt Ion:172 Resp: 437846

Ion Ratio Lower Upper

172 100

171 36.5 29.6 44.4

170 23.9 19.4 29.2



#51

2,6-Dinitrotoluene

Concen: 8.420 ng

RT: 14.919 min Scan# 1979

Delta R.T. 0.432 min

Lab File: BG056345.D

Acq: 19 Jan 2023 2:20

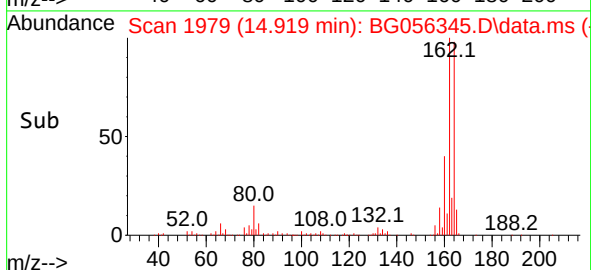
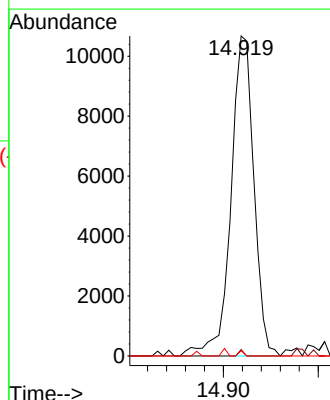
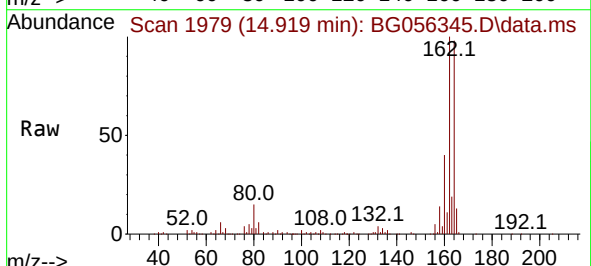
Tgt Ion:165 Resp: 17957

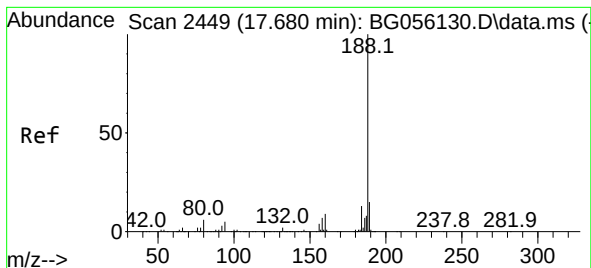
Ion Ratio Lower Upper

165 100

63 2.0 32.2 48.2#

89 1.6 39.8 59.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.657 min Scan# 2445

Delta R.T. -0.003 min

Lab File: BG056345.D

Acq: 19 Jan 2023 2:20

Instrument :

BNA_G

ClientSampleId :

AU-5-011723

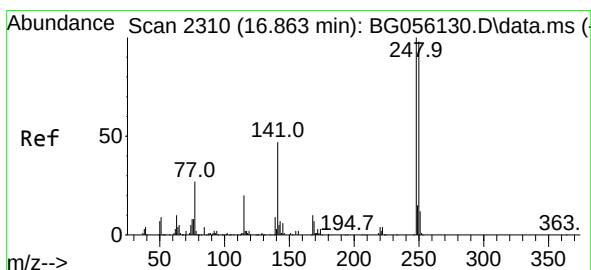
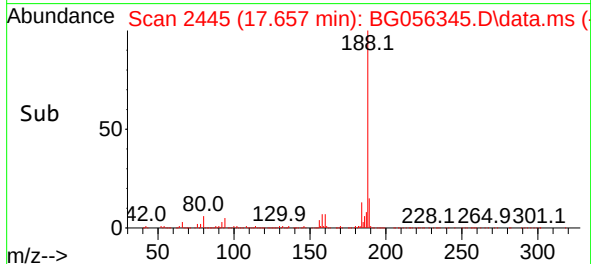
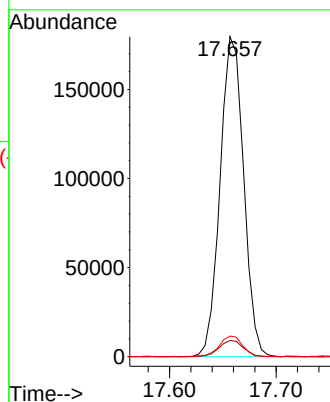
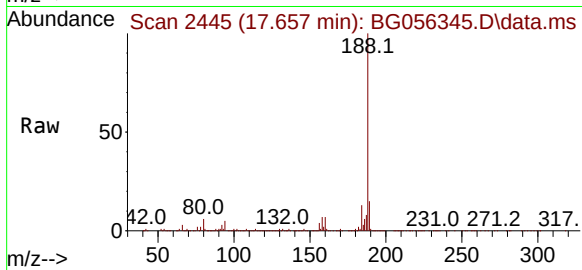
Tgt Ion:188 Resp: 274969

Ion Ratio Lower Upper

188 100

94 5.0 4.2 6.2

80 6.4 5.0 7.4



#67

4-Bromophenyl-phenylether

Concen: 2.354 ng

RT: 16.399 min Scan# 2231

Delta R.T. -0.438 min

Lab File: BG056345.D

Acq: 19 Jan 2023 2:20

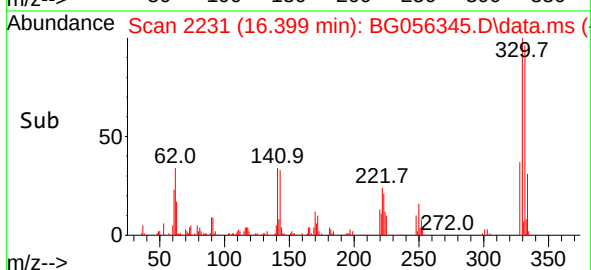
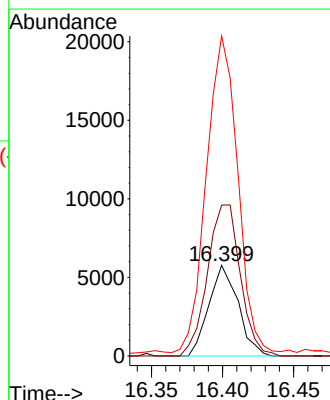
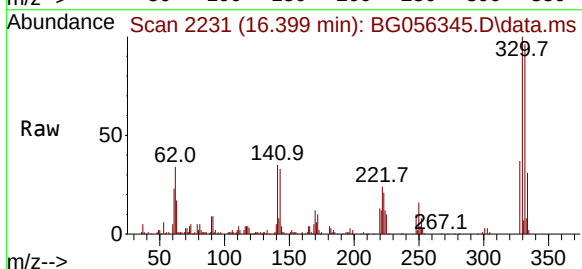
Tgt Ion:248 Resp: 8243

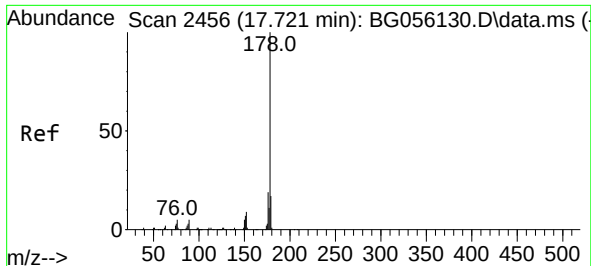
Ion Ratio Lower Upper

248 100

250 136.5 78.2 117.4#

141 289.4 37.6 56.4#

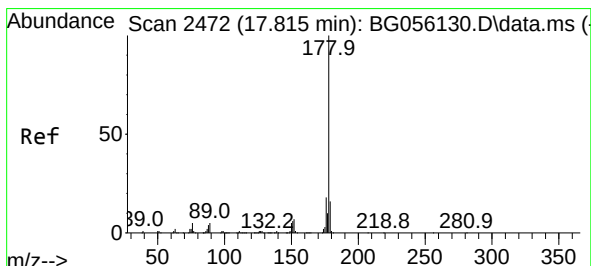
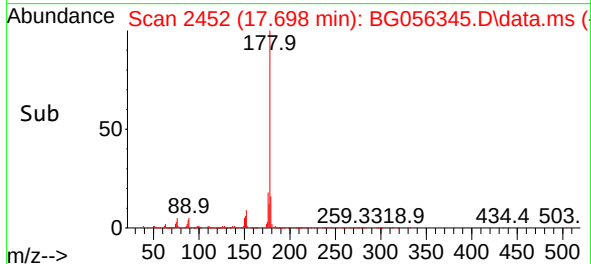
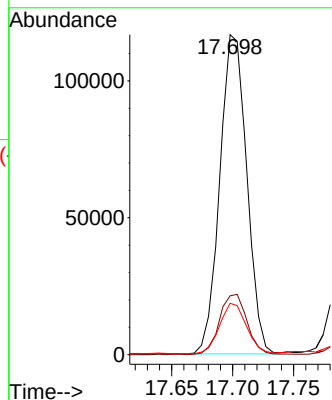
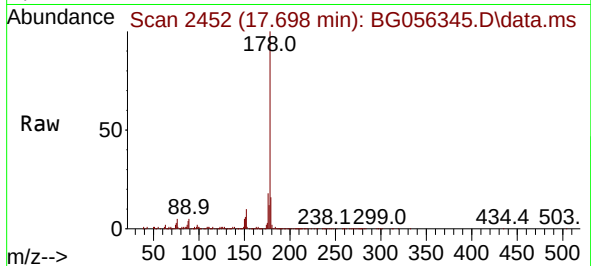




#71
Phenanthrene
Concen: 12.608 ng
RT: 17.698 min Scan# 2456
Delta R.T. -0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

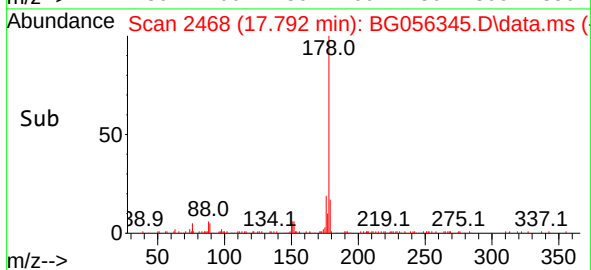
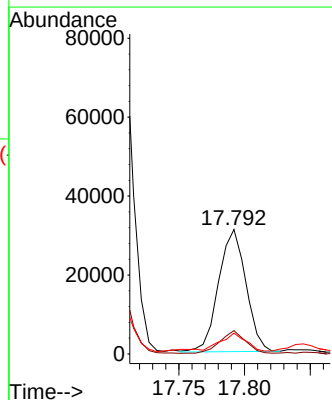
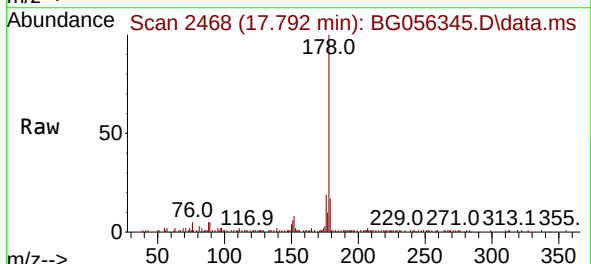
Instrument :
BNA_G
ClientSampleId :
AU-5-011723

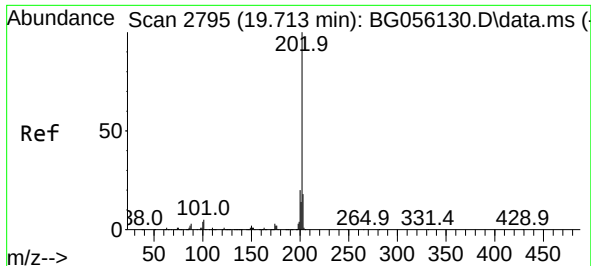
Tgt Ion:178 Resp: 179666
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 16.0 13.6 20.4



#72
Anthracene
Concen: 3.052 ng
RT: 17.792 min Scan# 2468
Delta R.T. -0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

Tgt Ion:178 Resp: 44857
Ion Ratio Lower Upper
178 100
176 18.7 14.6 22.0
179 16.7 12.7 19.1

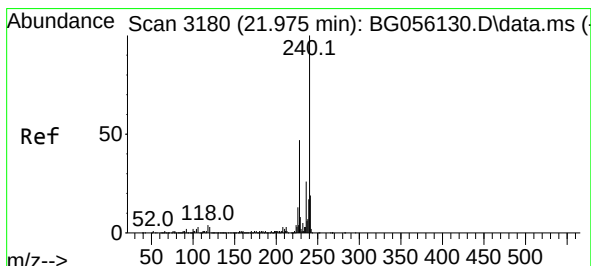
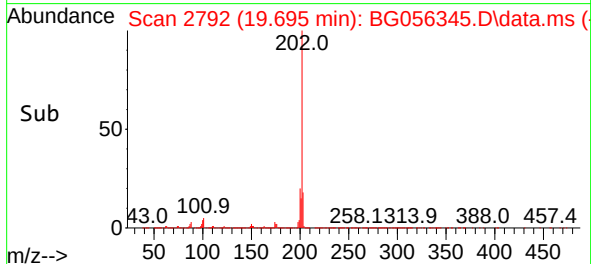
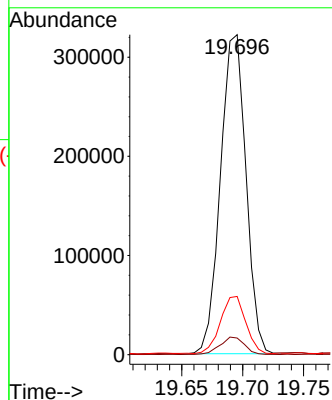
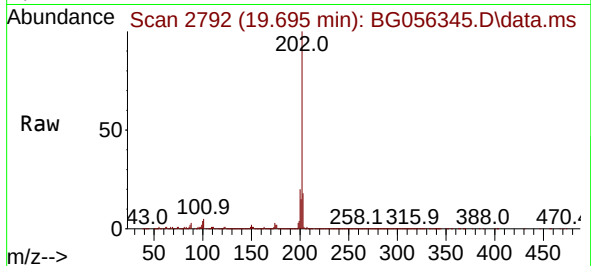




#75
Fluoranthene
Concen: 25.180 ng
RT: 19.695 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

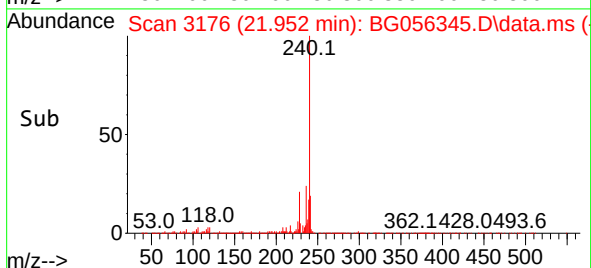
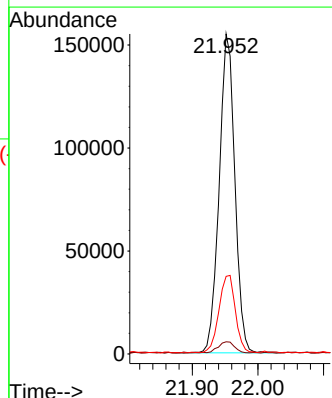
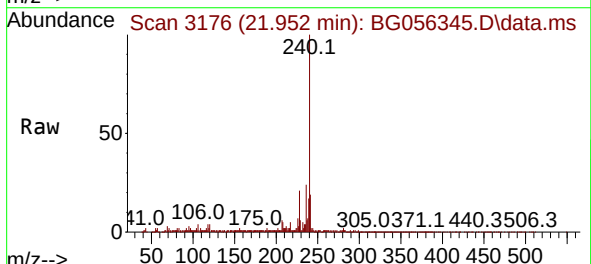
Instrument :
BNA_G
ClientSampleId :
AU-5-011723

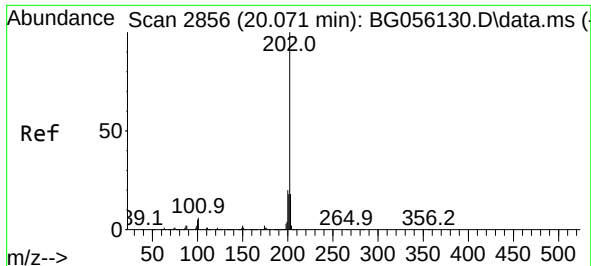
Tgt Ion:202 Resp: 468039
Ion Ratio Lower Upper
202 100
101 5.2 0.0 25.0
203 18.2 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.952 min Scan# 3176
Delta R.T. -0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

Tgt Ion:240 Resp: 255675
Ion Ratio Lower Upper
240 100
120 3.8 2.6 4.0
236 24.2 20.8 31.2

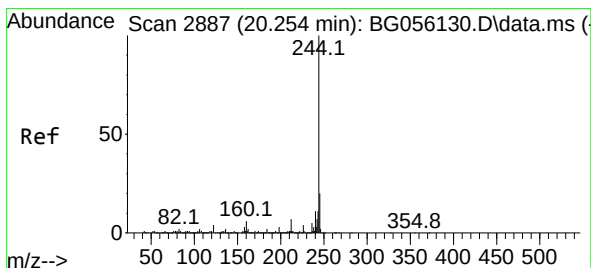
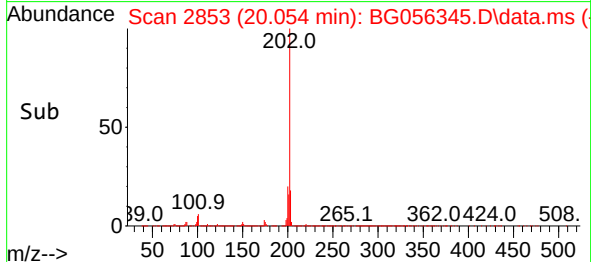
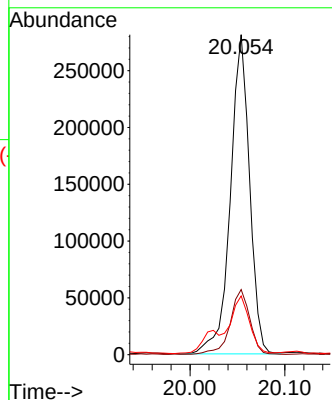
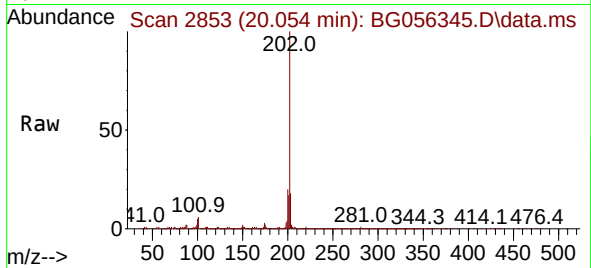




#78
 Pyrene
 Concen: 21.891 ng
 RT: 20.054 min Scan# 2853
 Delta R.T. 0.003 min
 Lab File: BG056345.D
 Acq: 19 Jan 2023 2:20

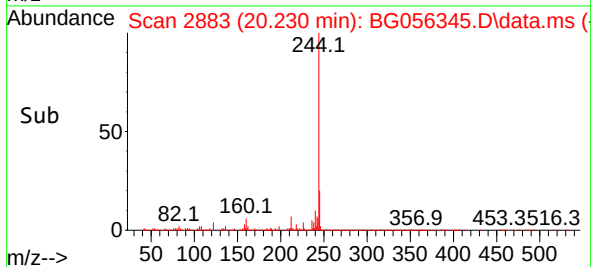
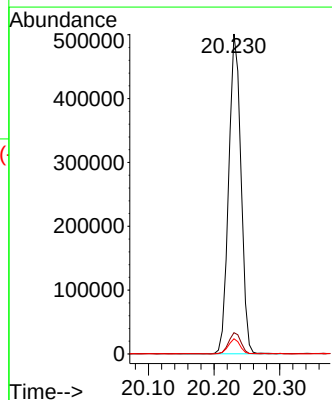
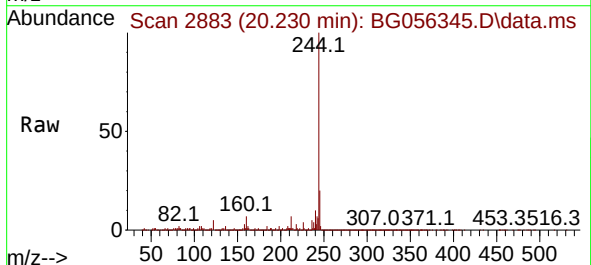
Instrument :
 BNA_G
 ClientSampleId :
 AU-5-011723

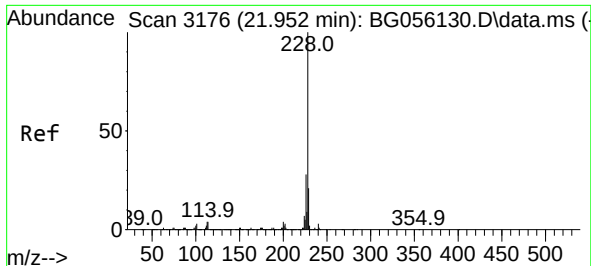
Tgt Ion:202 Resp: 394495
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.4 24.6
 203 18.4 14.3 21.5



#79
 Terphenyl-d14
 Concen: 45.437 ng
 RT: 20.230 min Scan# 2883
 Delta R.T. -0.003 min
 Lab File: BG056345.D
 Acq: 19 Jan 2023 2:20

Tgt Ion:244 Resp: 648614
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 4.8 3.5 5.3

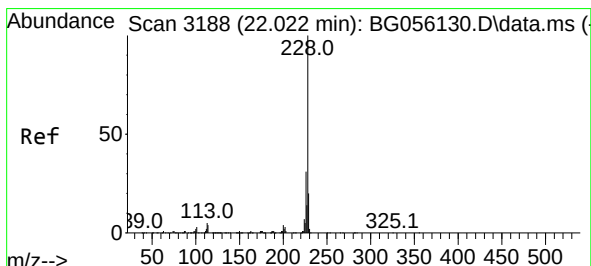
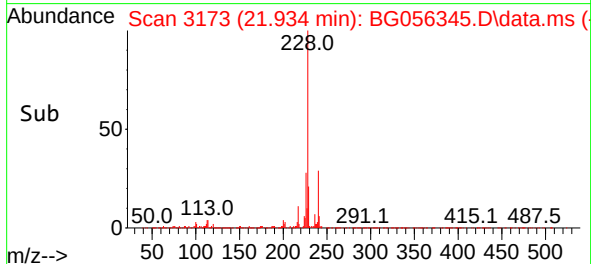
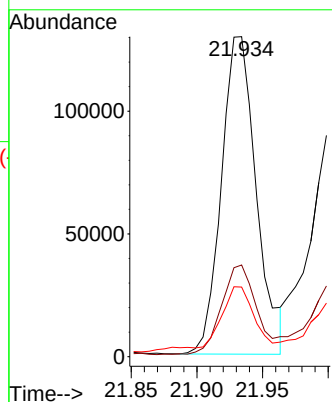
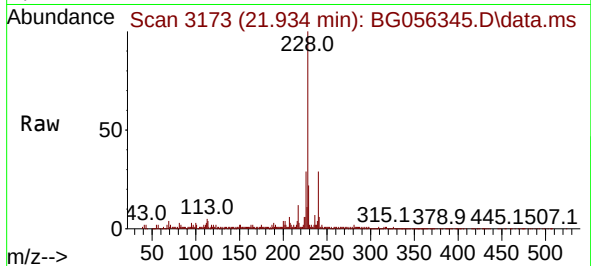




#81
Benzo(a)anthracene
Concen: 13.312 ng
RT: 21.934 min Scan# 3173
Delta R.T. 0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

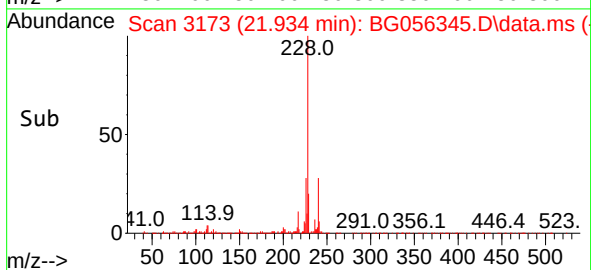
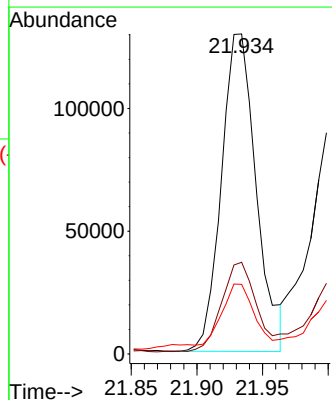
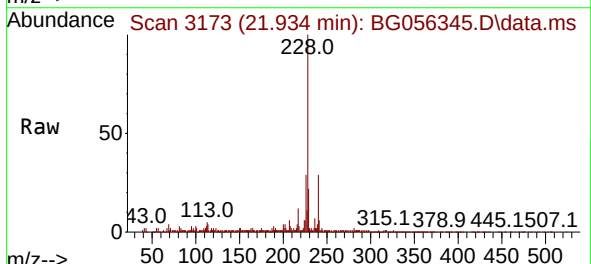
Instrument :
BNA_G
ClientSampleId :
AU-5-011723

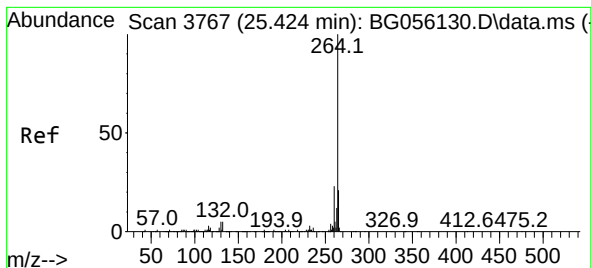
Tgt Ion:228 Resp: 239055
Ion Ratio Lower Upper
228 100
226 28.7 22.6 34.0
229 21.7 16.9 25.3



#83
Chrysene
Concen: 14.212 ng
RT: 21.934 min Scan# 3173
Delta R.T. -0.068 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

Tgt Ion:228 Resp: 239055
Ion Ratio Lower Upper
228 100
226 28.7 24.6 36.8
229 21.7 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.401 min Scan# 31

Delta R.T. 0.009 min

Lab File: BG056345.D

Acq: 19 Jan 2023 2:20

Instrument :

BNA_G

ClientSampleId :

AU-5-011723

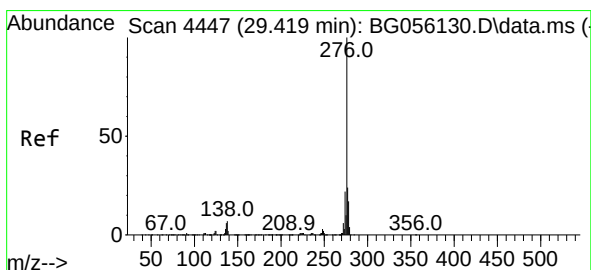
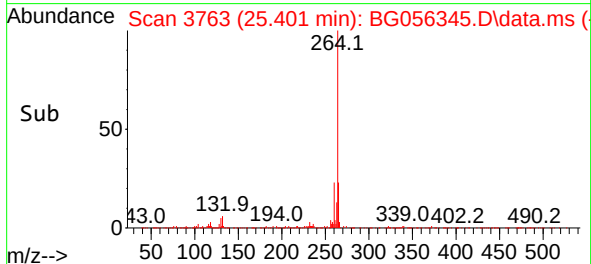
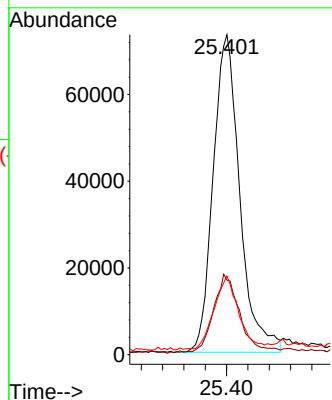
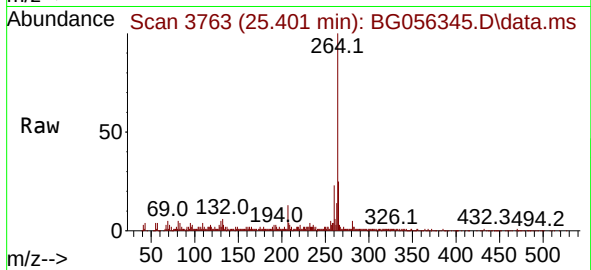
Tgt Ion:264 Resp: 253662

Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 24.6 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.084 ng

RT: 29.355 min Scan# 4436

Delta R.T. -0.003 min

Lab File: BG056345.D

Acq: 19 Jan 2023 2:20

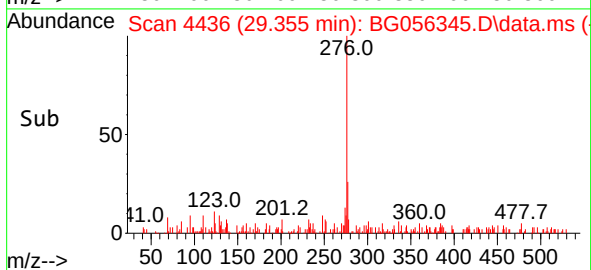
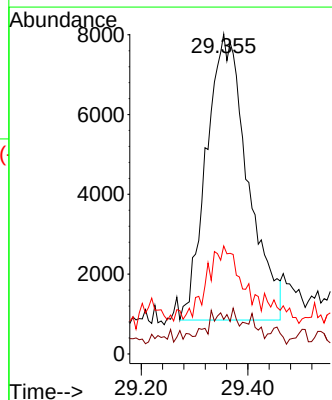
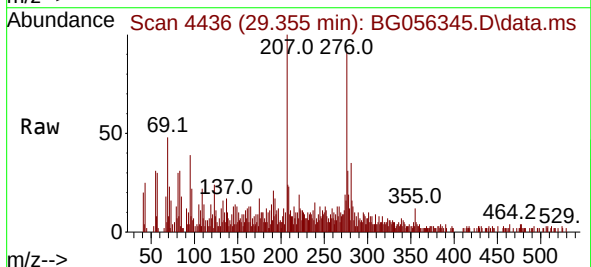
Tgt Ion:276 Resp: 38437

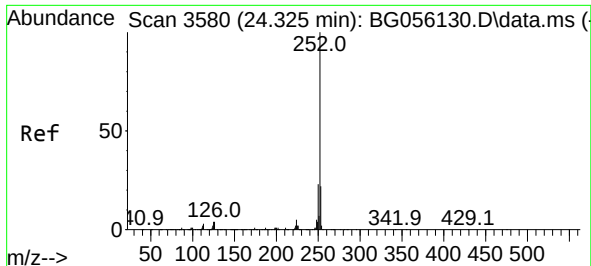
Ion Ratio Lower Upper

276 100

138 0.0 5.0 7.4#

277 0.0 20.5 30.7#

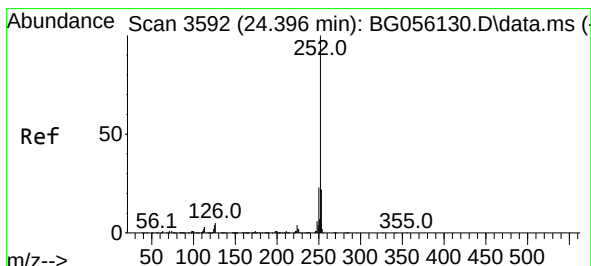
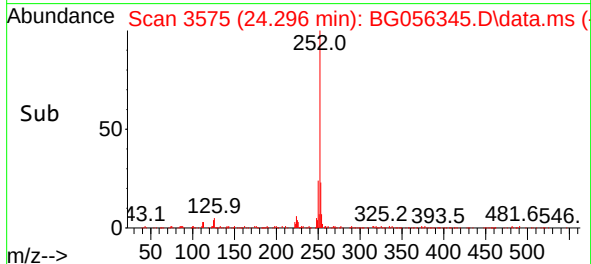
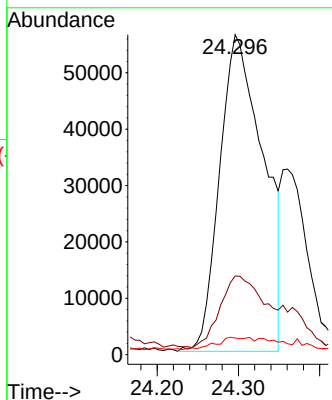
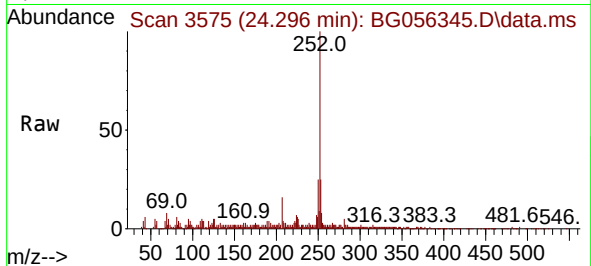




#88
Benzo(b)fluoranthene
Concen: 13.022 ng
RT: 24.296 min Scan# 3575
Delta R.T. 0.003 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

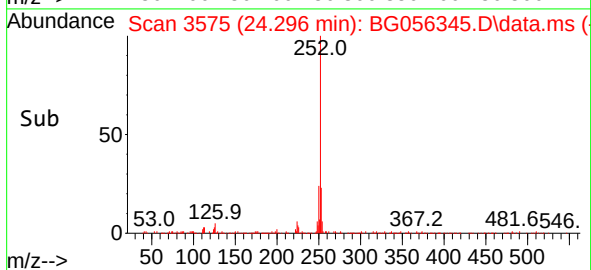
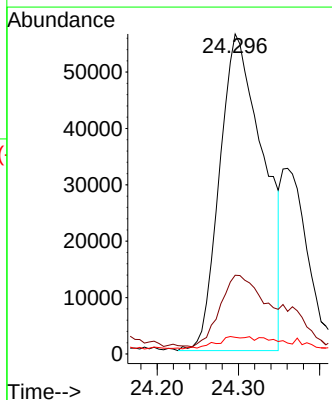
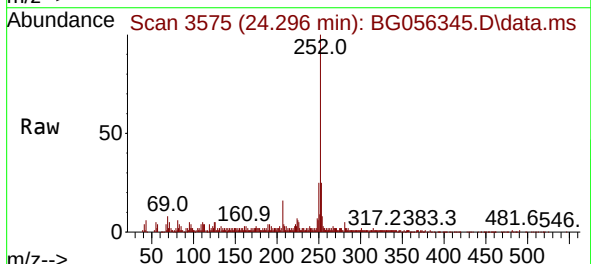
Instrument :
BNA_G
ClientSampleId :
AU-5-011723

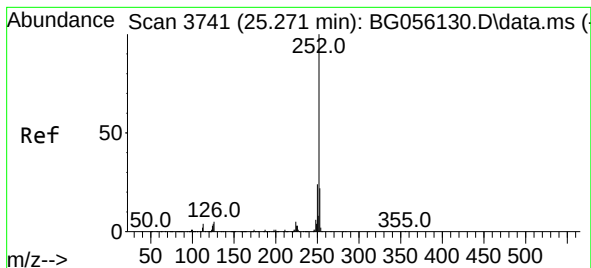
Tgt Ion:252 Resp: 209870
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.2
125 5.2 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 13.077 ng
RT: 24.296 min Scan# 3575
Delta R.T. -0.073 min
Lab File: BG056345.D
Acq: 19 Jan 2023 2:20

Tgt Ion:252 Resp: 209870
Ion Ratio Lower Upper
252 100
253 24.6 17.5 26.3
125 5.2 3.4 5.0#





#90

Benzo(a)pyrene

Concen: 7.506 ng

RT: 25.230 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG056345.D

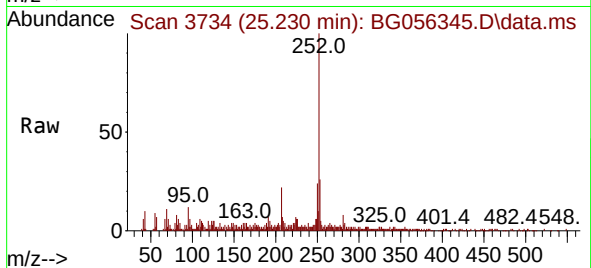
Acq: 19 Jan 2023 2:20

Instrument :

BNA_G

ClientSampleId :

AU-5-011723



Tgt Ion:252 Resp: 117998

Ion Ratio Lower Upper

252 100

253 25.8 17.4 26.2

125 5.3 3.2 4.8#

