

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011123\
 Data File : BG056260.D
 Acq On : 11 Jan 2023 21:27
 Operator : CG/JU
 Sample : 01064-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S4-01

Quant Time: Jan 12 04:24:06 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 12 03:38:40 2023
 Response via : Initial Calibration

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

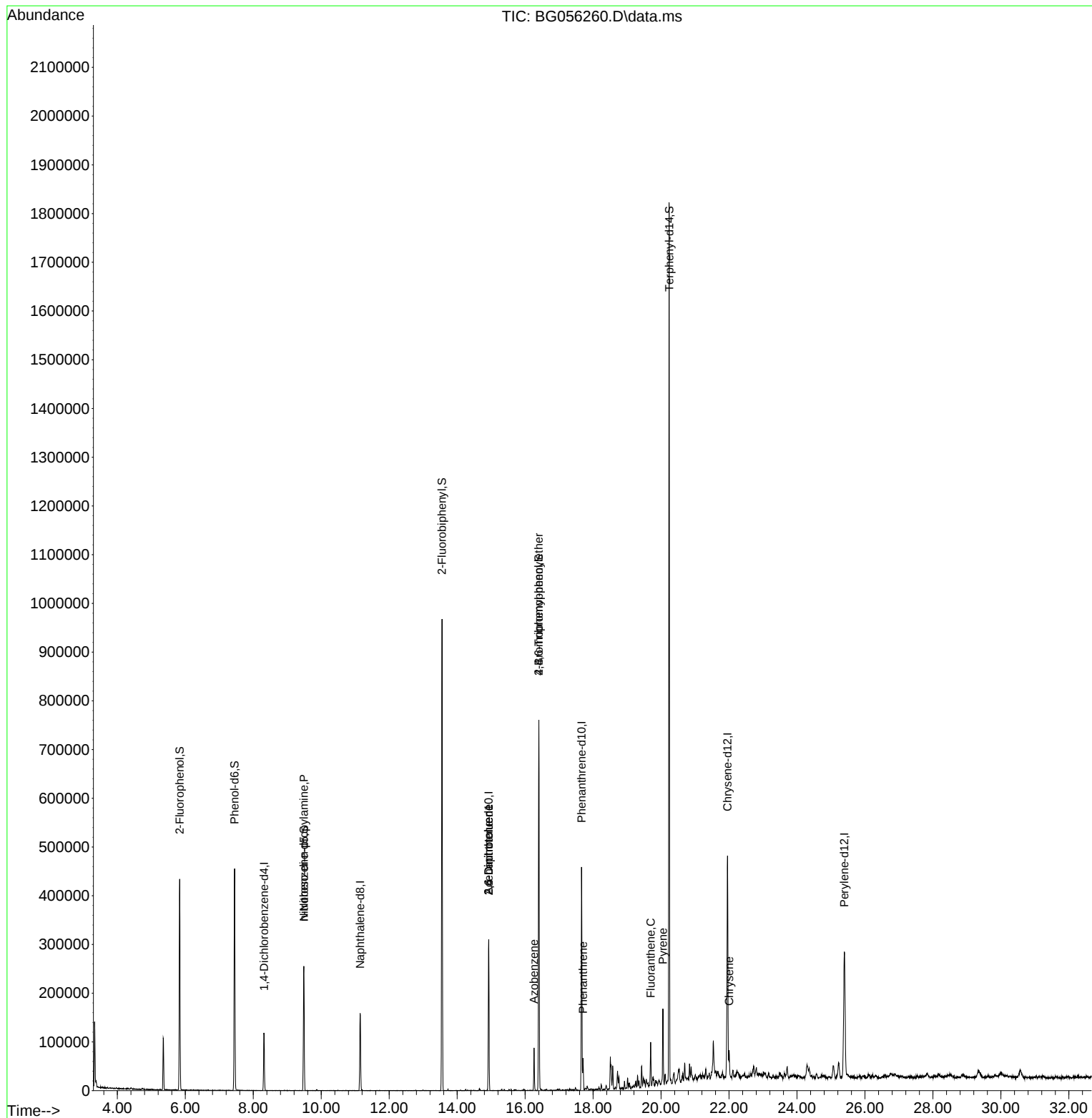
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.318	152	40271	20.000	ng	0.00
21) Naphthalene-d8	11.144	136	147377	20.000	ng	0.00
39) Acenaphthene-d10	14.928	164	119449	20.000	ng	0.00
64) Phenanthrene-d10	17.660	188	307781	20.000	ng	0.00
76) Chrysene-d12	21.955	240	303098	20.000	ng	# 0.00
86) Perylene-d12	25.392	264	334224	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.833	112	243043	107.758	ng	0.00
7) Phenol-d6	7.449	99	349957	101.035	ng	0.00
23) Nitrobenzene-d5	9.488	82	183858	63.813	ng	0.00
42) 2,4,6-Tribromophenol	16.403	330	155236	102.615	ng	0.00
45) 2-Fluorobiphenyl	13.553	172	542569	62.724	ng	0.00
79) Terphenyl-d14	20.240	244	1019150	60.223	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.488	70	22343	10.608	ng	# 76
51) 2,6-Dinitrotoluene	14.928	165	16141	7.856	ng	# 32
57) 2,4-Dinitrotoluene	14.928	165	16141	5.617	ng	# 29
63) Azobenzene	16.262	77	22362	3.205	ng	# 1
67) 4-Bromophenyl-phenylether	16.403	248	13205	3.369	ng	# 1
71) Phenanthrene	17.701	178	46458	2.913	ng	96
75) Fluoranthene	19.693	202	59460	2.858	ng	98
78) Pyrene	20.052	202	101993	4.774	ng	99
83) Chrysene	22.002	228	43570	2.185	ng	96

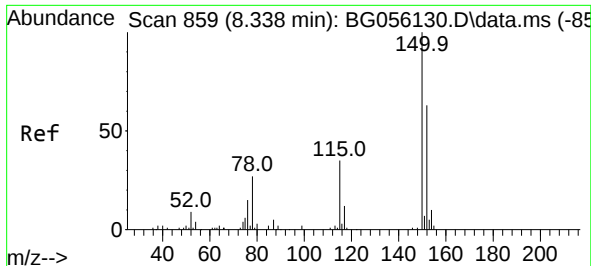
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
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QLast Update : Thu Jan 12 03:38:40 2023
Response via : Initial Calibration

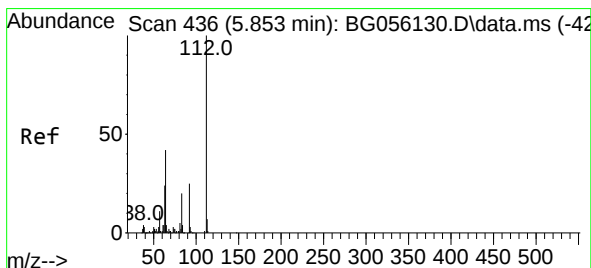
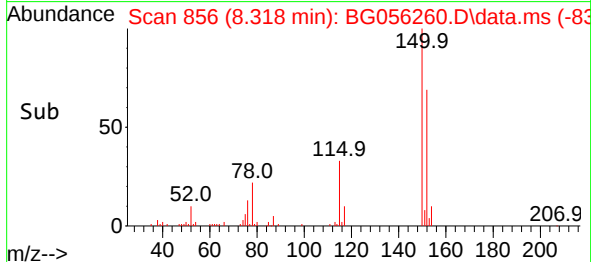
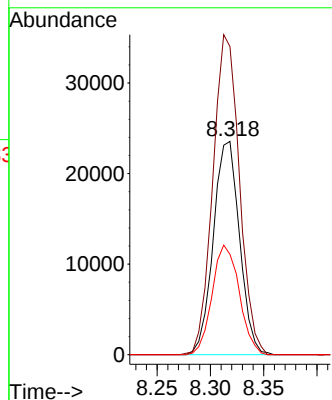
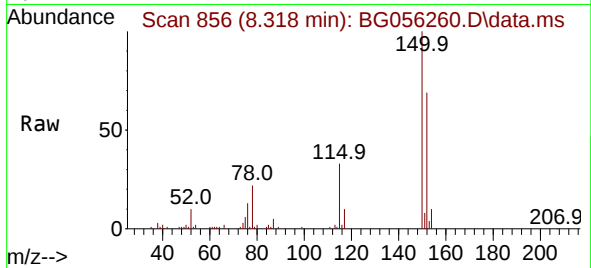




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.318 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG056260.D
Acq: 11 Jan 2023 21:27

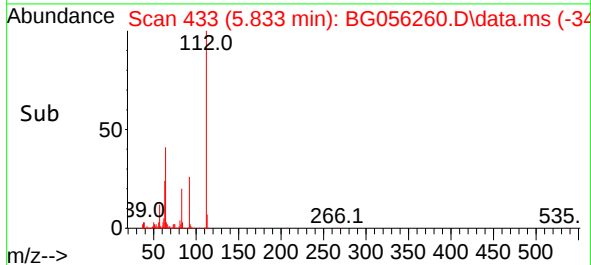
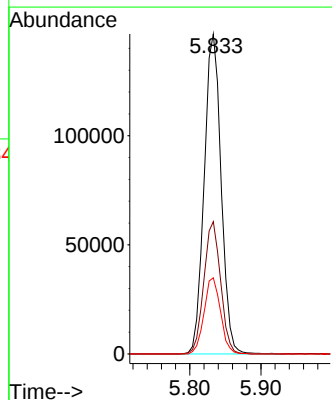
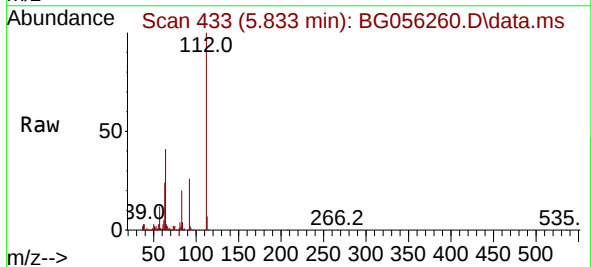
Instrument :
BNA_G
ClientSampleId :
S4-01

Tgt Ion:152 Resp: 40271
Ion Ratio Lower Upper
152 100
150 144.4 127.9 191.9
115 47.1 44.2 66.2



#5
2-Fluorophenol
Concen: 107.758 ng
RT: 5.833 min Scan# 433
Delta R.T. 0.008 min
Lab File: BG056260.D
Acq: 11 Jan 2023 21:27

Tgt Ion:112 Resp: 243043
Ion Ratio Lower Upper
112 100
64 41.3 33.3 49.9
63 23.8 19.0 28.4

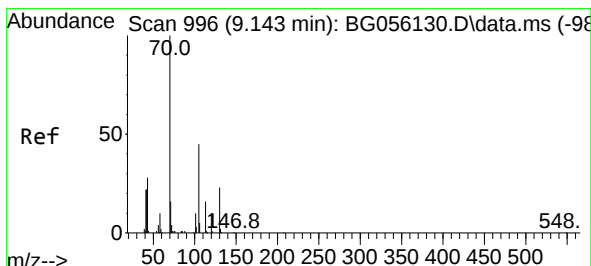
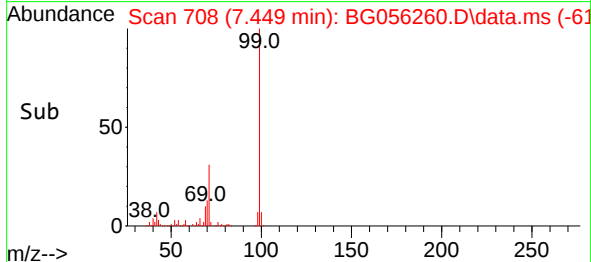
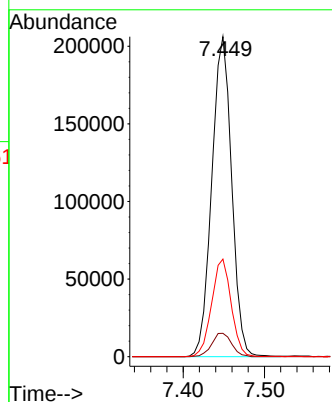
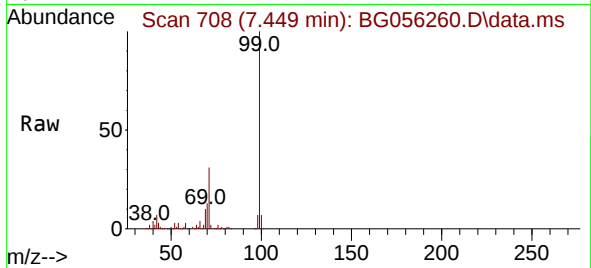




#7
Phenol-d6
Concen: 101.035 ng
RT: 7.449 min Scan# 70
Delta R.T. 0.002 min
Lab File: BG056260.D
Acq: 11 Jan 2023 21:27

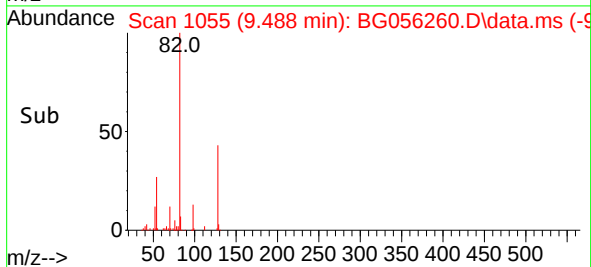
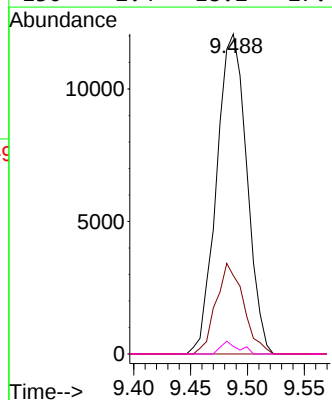
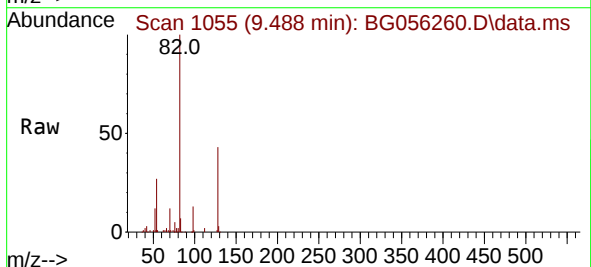
Instrument :
BNA_G
ClientSampleId :
S4-01

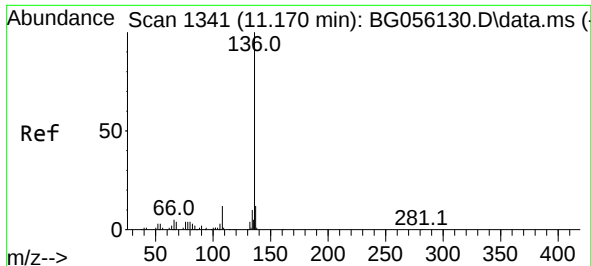
Tgt Ion: 99 Resp: 349957
Ion Ratio Lower Upper
99 100
42 7.3 5.9 8.9
71 30.5 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.608 ng
RT: 9.488 min Scan# 1055
Delta R.T. 0.372 min
Lab File: BG056260.D
Acq: 11 Jan 2023 21:27

Tgt Ion: 70 Resp: 22343
Ion Ratio Lower Upper
70 100
42 24.5 18.2 27.2
101 0.0 8.3 12.5#
130 2.4 18.2 27.4#



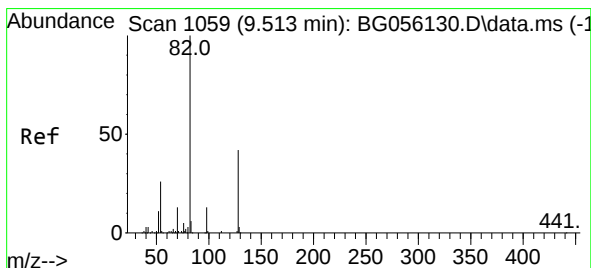
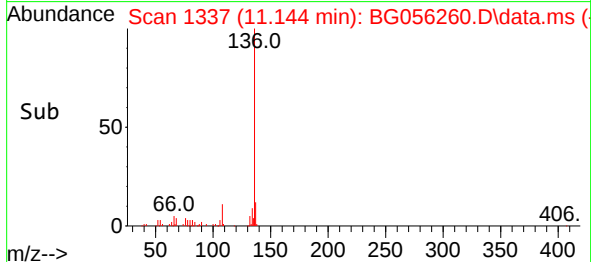
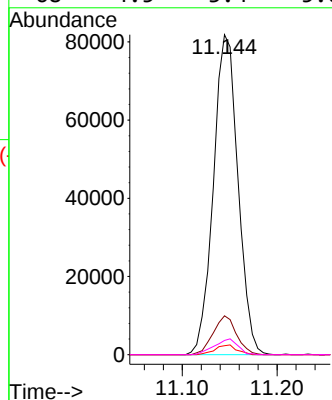
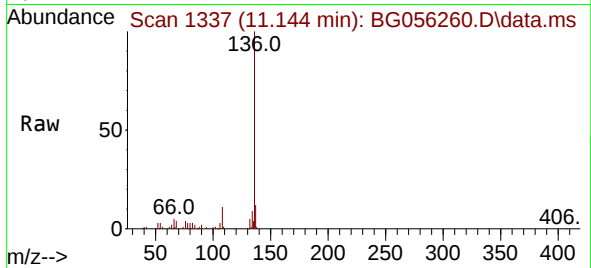


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.144 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG056260.D
Acq: 11 Jan 2023 21:27

Instrument :
BNA_G
ClientSampleId :
S4-01

Tgt Ion:136 Resp: 147377

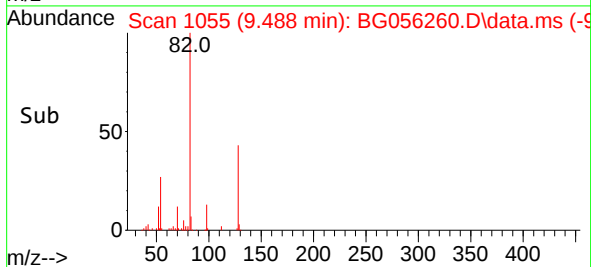
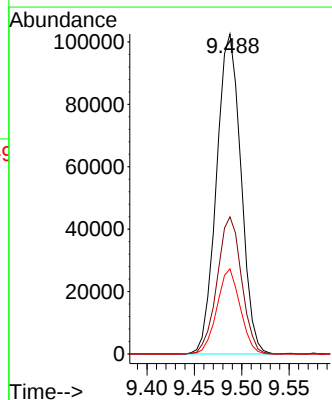
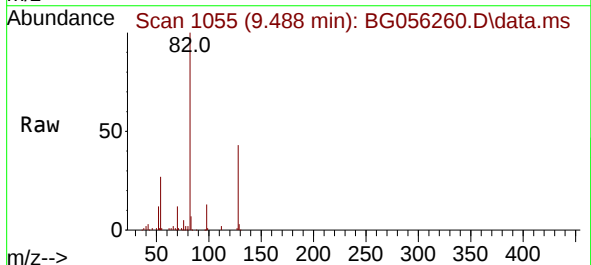
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.4	14.0
54	2.8	2.2	3.2
68	4.5	3.4	5.0

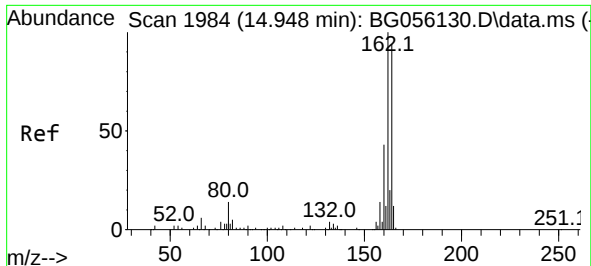


#23
Nitrobenzene-d5
Concen: 63.813 ng
RT: 9.488 min Scan# 1055
Delta R.T. -0.004 min
Lab File: BG056260.D
Acq: 11 Jan 2023 21:27

Tgt Ion: 82 Resp: 183858

Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.4	50.2
54	26.6	20.3	30.5

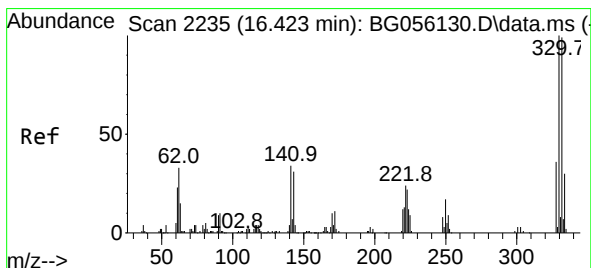
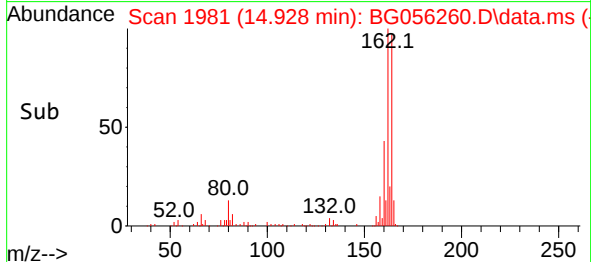
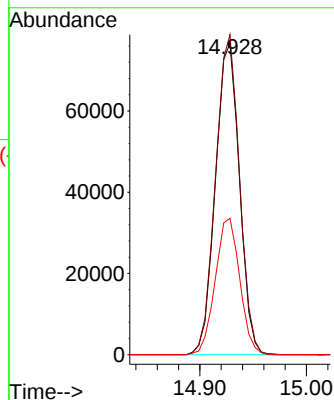
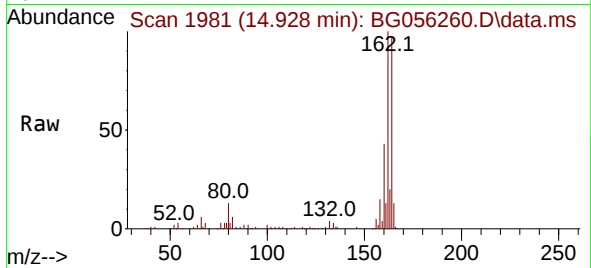




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.928 min Scan# 1981
Delta R.T. 0.002 min
Lab File: BG056260.D
Acq: 11 Jan 2023 21:27

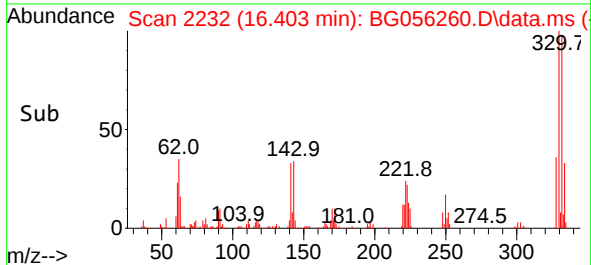
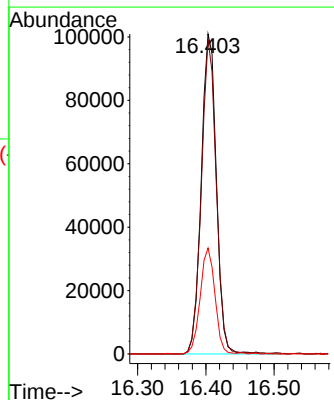
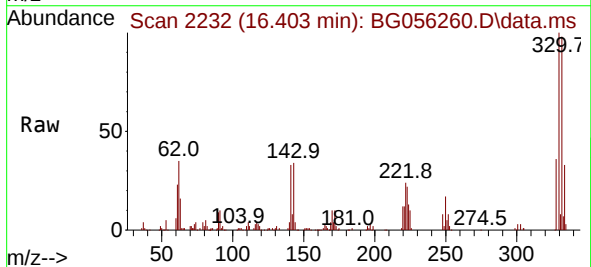
Instrument :
BNA_G
ClientSampleId :
S4-01

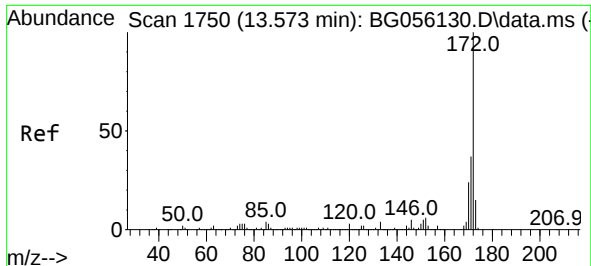
Tgt Ion:164 Resp: 119449
Ion Ratio Lower Upper
164 100
162 102.6 84.7 127.1
160 43.7 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 102.615 ng
RT: 16.403 min Scan# 2232
Delta R.T. -0.004 min
Lab File: BG056260.D
Acq: 11 Jan 2023 21:27

Tgt Ion:330 Resp: 155236
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 32.3 27.9 41.9

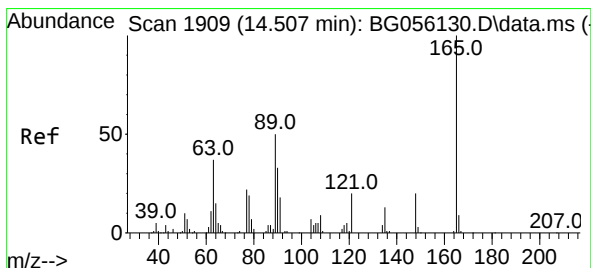
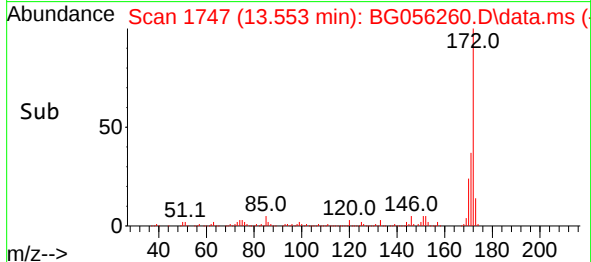
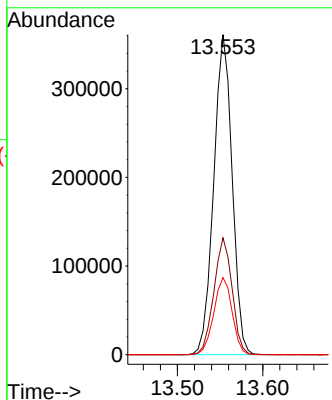
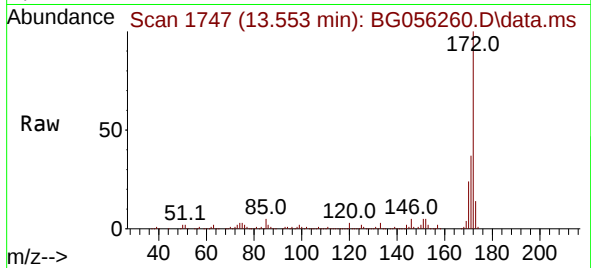




#45
2-Fluorobiphenyl
Concen: 62.724 ng
RT: 13.553 min Scan# 1747
Delta R.T. -0.004 min
Lab File: BG056260.D
Acq: 11 Jan 2023 21:27

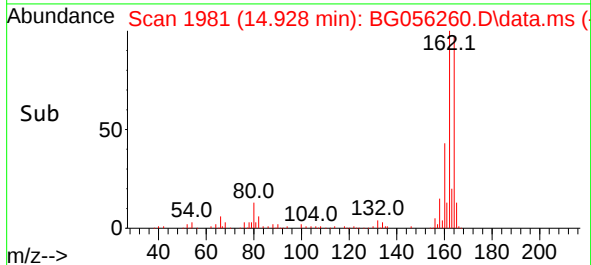
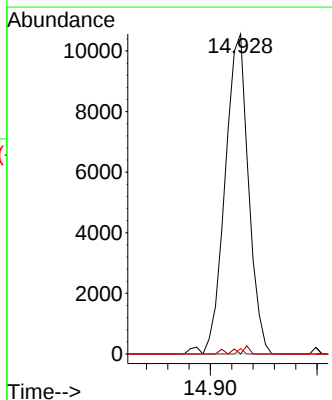
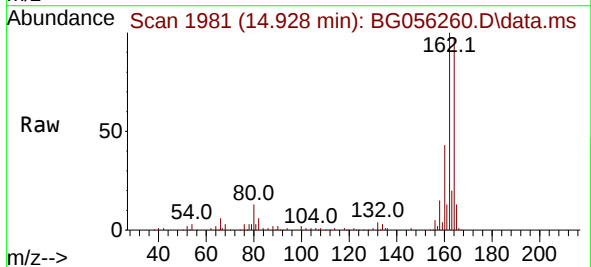
Instrument :
BNA_G
ClientSampleId :
S4-01

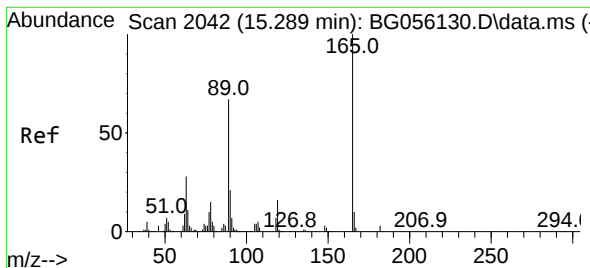
Tgt Ion:172 Resp: 542569
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 24.1 19.4 29.2



#51
2,6-Dinitrotoluene
Concen: 7.856 ng
RT: 14.928 min Scan# 1981
Delta R.T. 0.436 min
Lab File: BG056260.D
Acq: 11 Jan 2023 21:27

Tgt Ion:165 Resp: 16141
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 1.7 39.8 59.8#





#57

2,4-Dinitrotoluene

Concen: 5.617 ng

RT: 14.928 min Scan# 1981

Delta R.T. -0.345 min

Lab File: BG056260.D

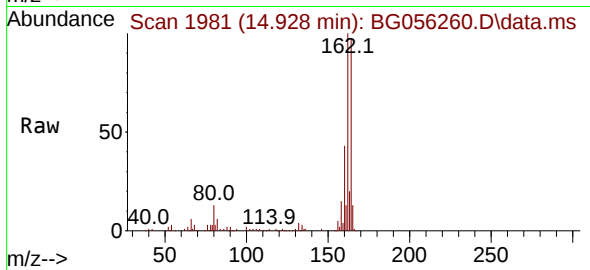
Acq: 11 Jan 2023 21:27

Instrument :

BNA_G

ClientSampleId :

S4-01



Tgt Ion:165 Resp: 16141

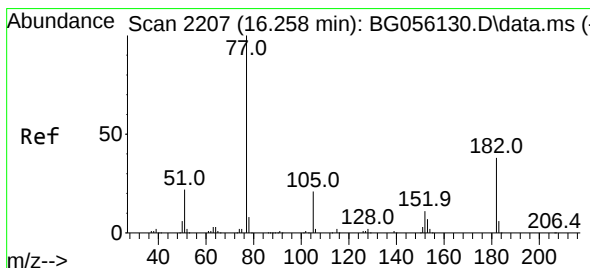
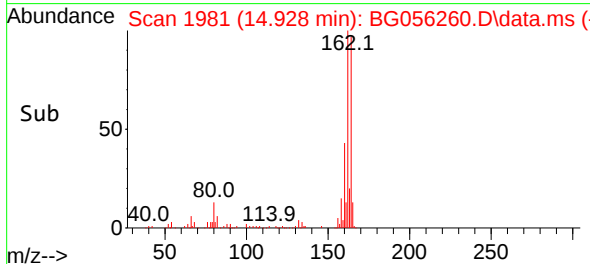
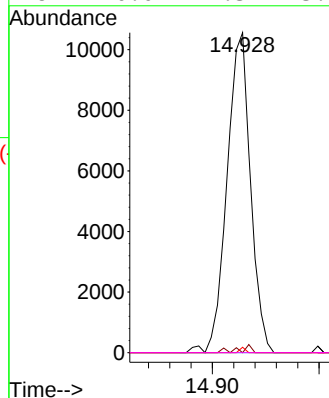
Ion Ratio Lower Upper

165 100

63 0.0 22.6 34.0#

89 1.7 53.2 79.8#

182 0.0 2.3 3.5#



#63

Azobenzene

Concen: 3.205 ng

RT: 16.262 min Scan# 2208

Delta R.T. 0.019 min

Lab File: BG056260.D

Acq: 11 Jan 2023 21:27

Tgt Ion: 77 Resp: 22362

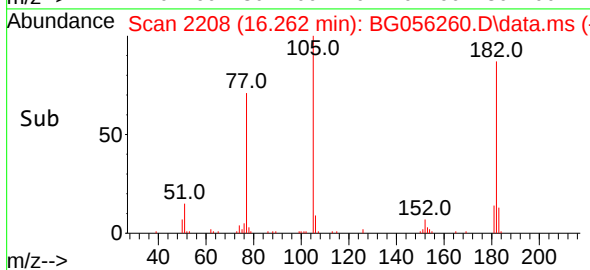
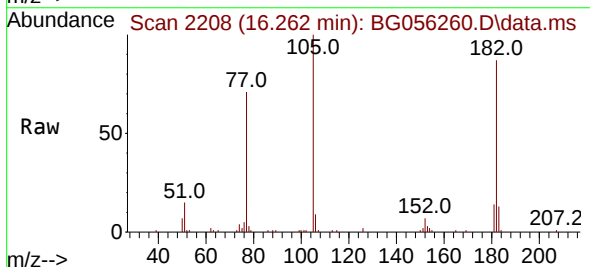
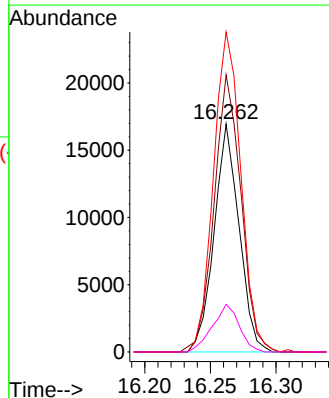
Ion Ratio Lower Upper

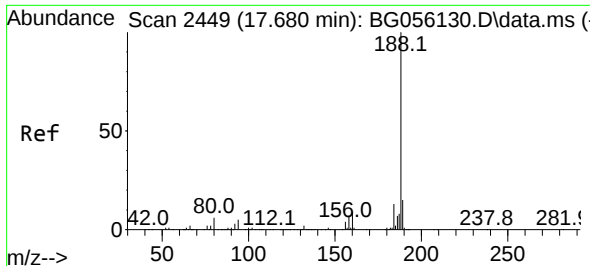
77 100

182 121.7 18.5 58.5#

105 140.5 1.4 41.4#

51 20.9 1.5 41.5

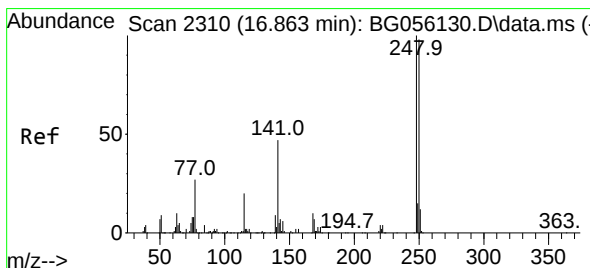
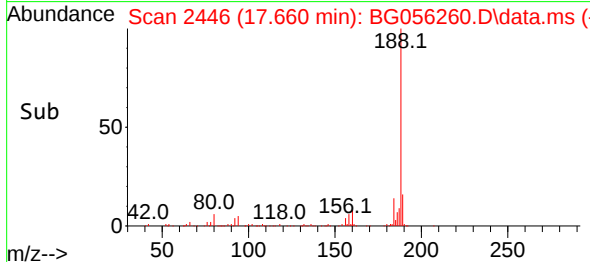
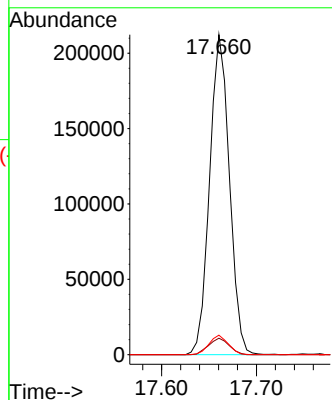
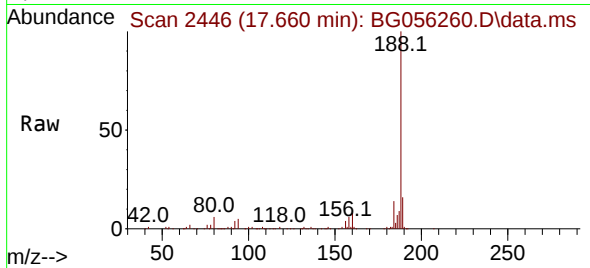




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.660 min Scan# 2449
Delta R.T. -0.004 min
Lab File: BG056260.D
Acq: 11 Jan 2023 21:27

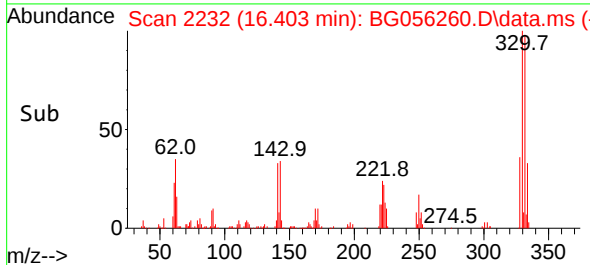
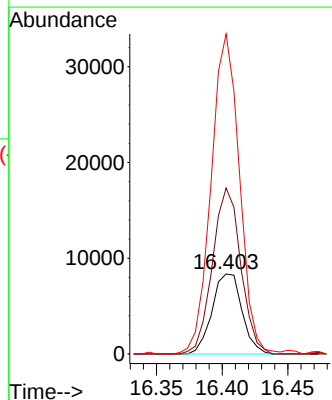
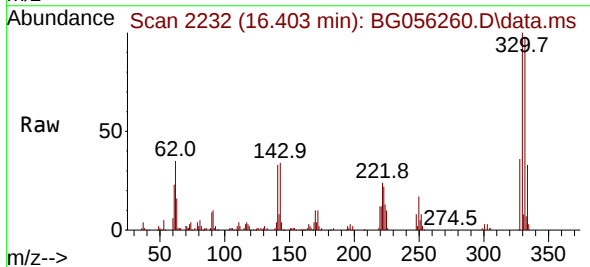
Instrument :
BNA_G
ClientSampleId :
S4-01

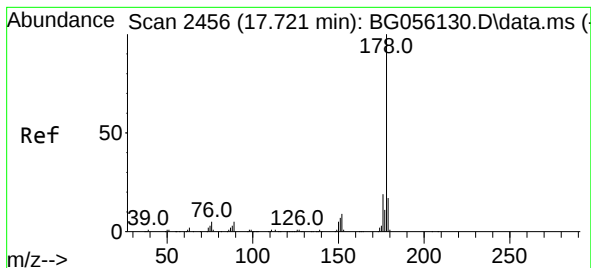
Tgt Ion:188 Resp: 307781
Ion Ratio Lower Upper
188 100
94 5.2 4.2 6.2
80 6.1 5.0 7.4



#67
4-Bromophenyl-phenylether
Concen: 3.369 ng
RT: 16.403 min Scan# 2232
Delta R.T. -0.445 min
Lab File: BG056260.D
Acq: 11 Jan 2023 21:27

Tgt Ion:248 Resp: 13205
Ion Ratio Lower Upper
248 100
250 207.5 78.2 117.4#
141 400.0 37.6 56.4#





#71

Phenanthrene

Concen: 2.913 ng

RT: 17.701 min Scan# 2456

Delta R.T. -0.010 min

Lab File: BG056260.D

Acq: 11 Jan 2023 21:27

Instrument :

BNA_G

ClientSampleId :

S4-01

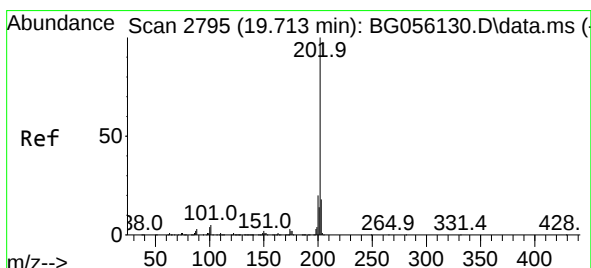
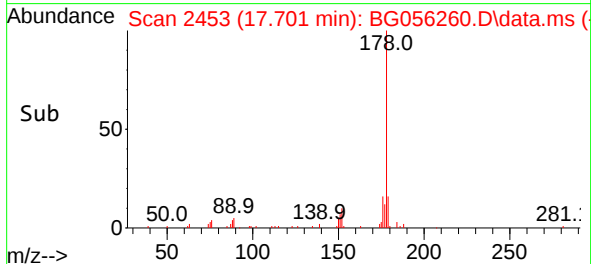
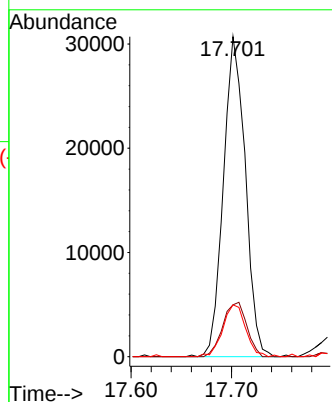
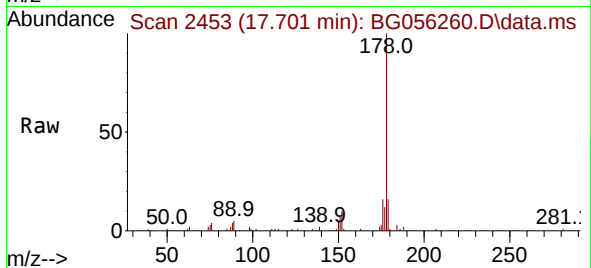
Tgt Ion:178 Resp: 46458

Ion Ratio Lower Upper

178 100

176 16.2 15.4 23.0

179 16.2 13.6 20.4



#75

Fluoranthene

Concen: 2.858 ng

RT: 19.693 min Scan# 2792

Delta R.T. -0.004 min

Lab File: BG056260.D

Acq: 11 Jan 2023 21:27

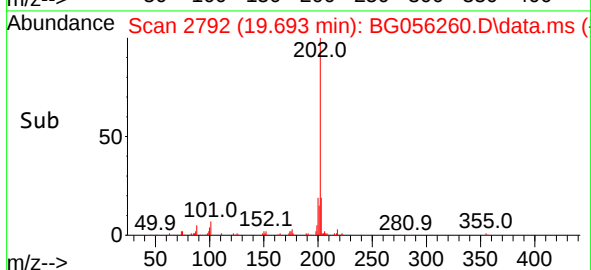
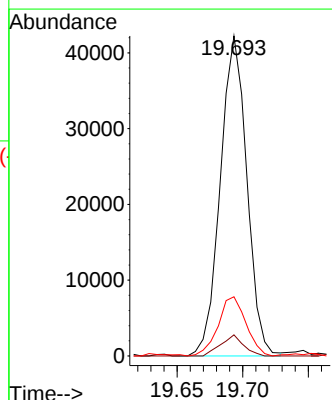
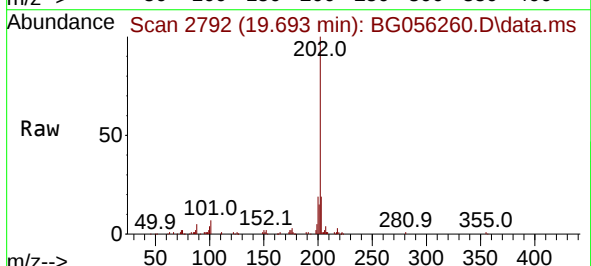
Tgt Ion:202 Resp: 59460

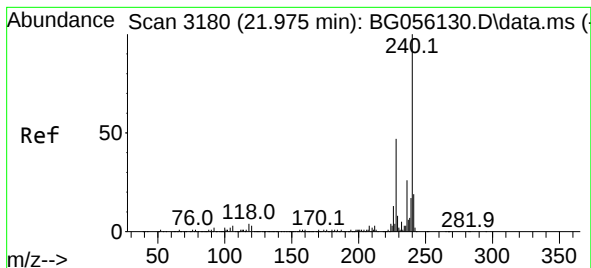
Ion Ratio Lower Upper

202 100

101 6.6 0.0 25.0

203 18.5 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.955 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG056260.D

Acq: 11 Jan 2023 21:27

Instrument :

BNA_G

ClientSampleId :

S4-01

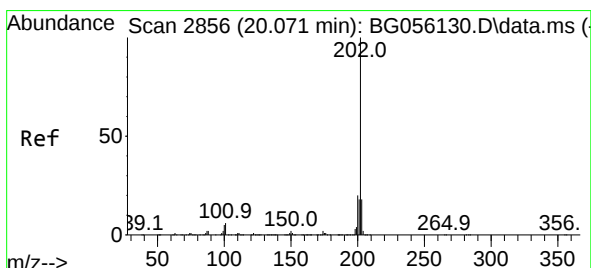
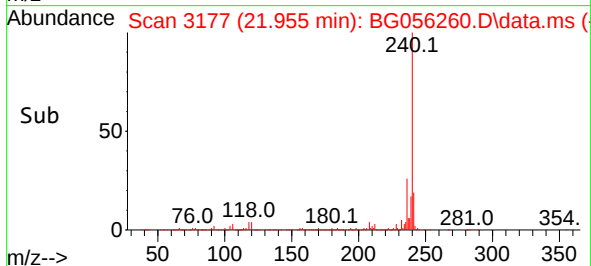
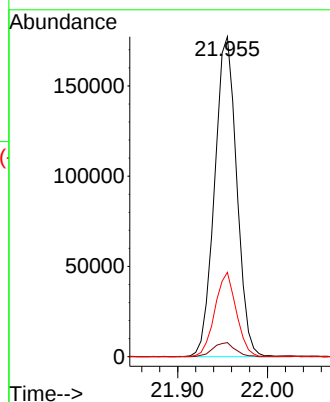
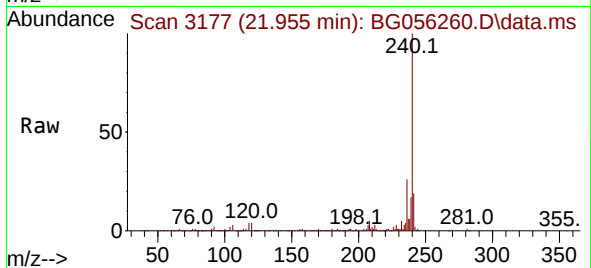
Tgt Ion:240 Resp: 303098

Ion Ratio Lower Upper

240 100

120 4.4 2.6 4.0#

236 26.3 20.8 31.2



#78

Pyrene

Concen: 4.774 ng

RT: 20.052 min Scan# 2853

Delta R.T. -0.004 min

Lab File: BG056260.D

Acq: 11 Jan 2023 21:27

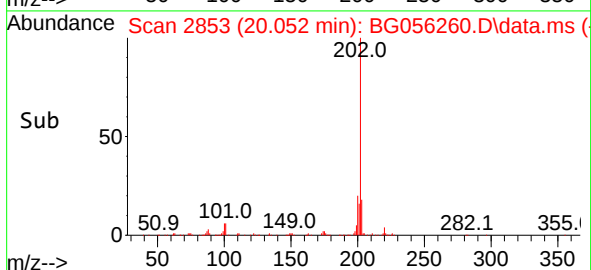
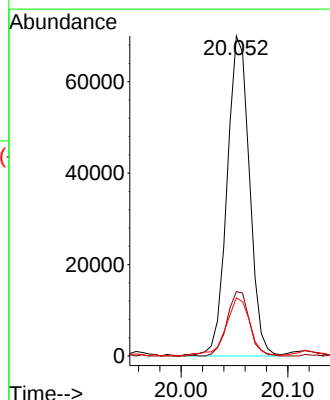
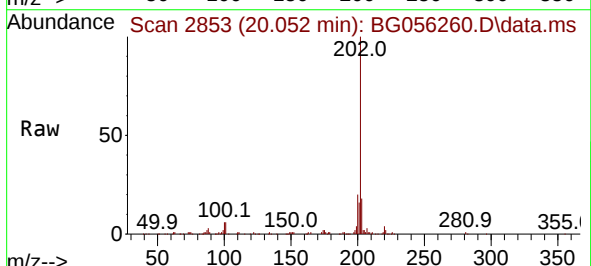
Tgt Ion:202 Resp: 101993

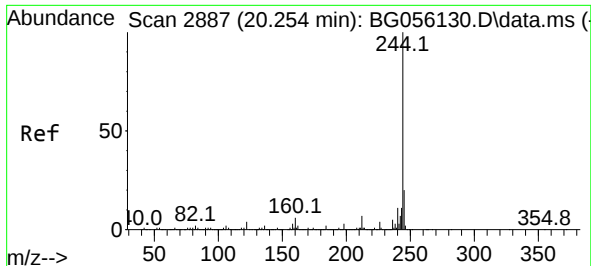
Ion Ratio Lower Upper

202 100

200 20.1 16.4 24.6

203 18.2 14.3 21.5

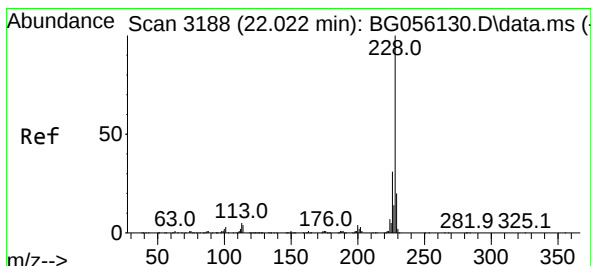
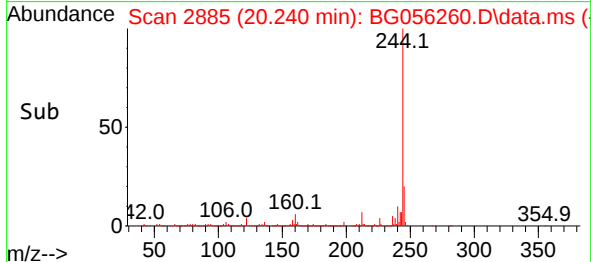
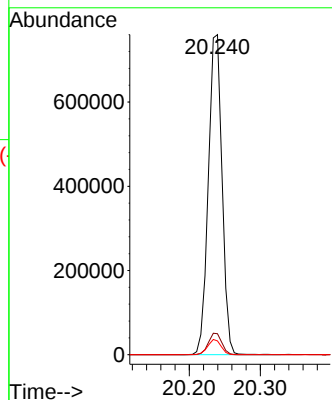
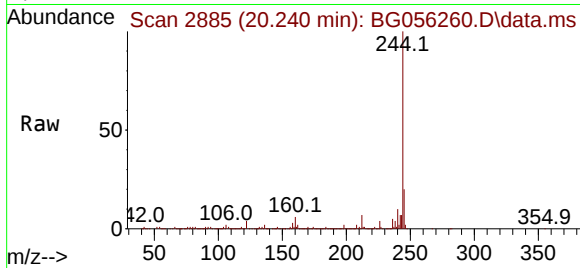




#79
 Terphenyl-d14
 Concen: 60.223 ng
 RT: 20.240 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG056260.D
 Acq: 11 Jan 2023 21:27

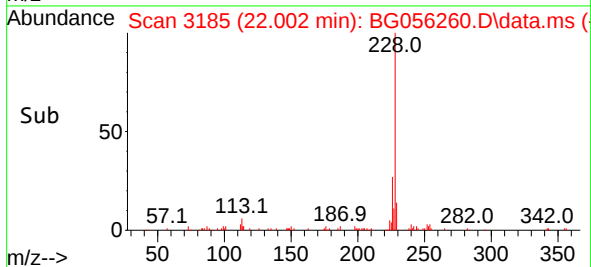
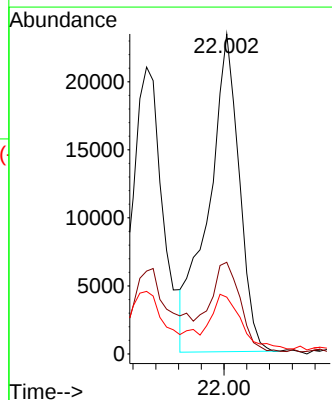
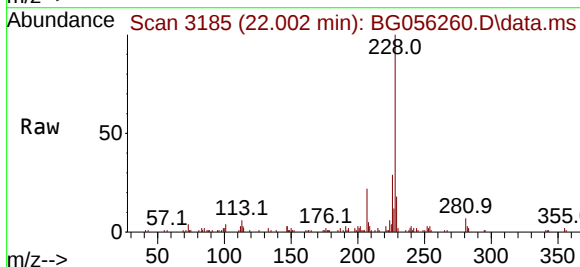
Instrument :
 BNA_G
 ClientSampleId :
 S4-01

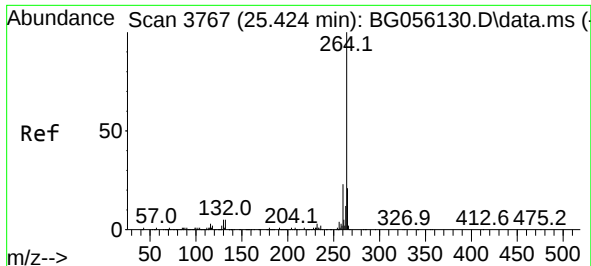
Tgt Ion:244 Resp: 1019150
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.7 8.5
 122 4.3 3.5 5.3



#83
 Chrysene
 Concen: 2.185 ng
 RT: 22.002 min Scan# 3185
 Delta R.T. -0.010 min
 Lab File: BG056260.D
 Acq: 11 Jan 2023 21:27

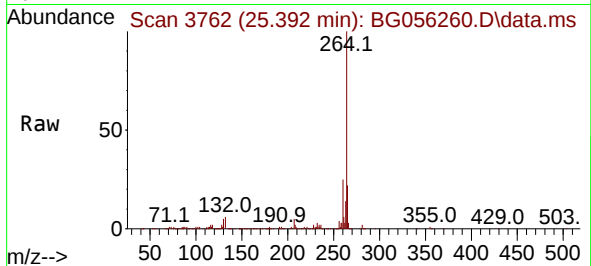
Tgt Ion:228 Resp: 43570
 Ion Ratio Lower Upper
 228 100
 226 28.6 24.6 36.8
 229 17.7 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.392 min Scan# 31
Delta R.T. -0.010 min
Lab File: BG056260.D
Acq: 11 Jan 2023 21:27

Instrument :
BNA_G
ClientSampleId :
S4-01



Tgt Ion:264 Resp: 334224

Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.6	28.0
265	22.5	16.7	25.1

