

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
 Data File : BG057526.D
 Acq On : 23 May 2023 19:22
 Operator : CG/JU
 Sample : 02873-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-01-051923

Quant Time: May 24 04:35:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

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

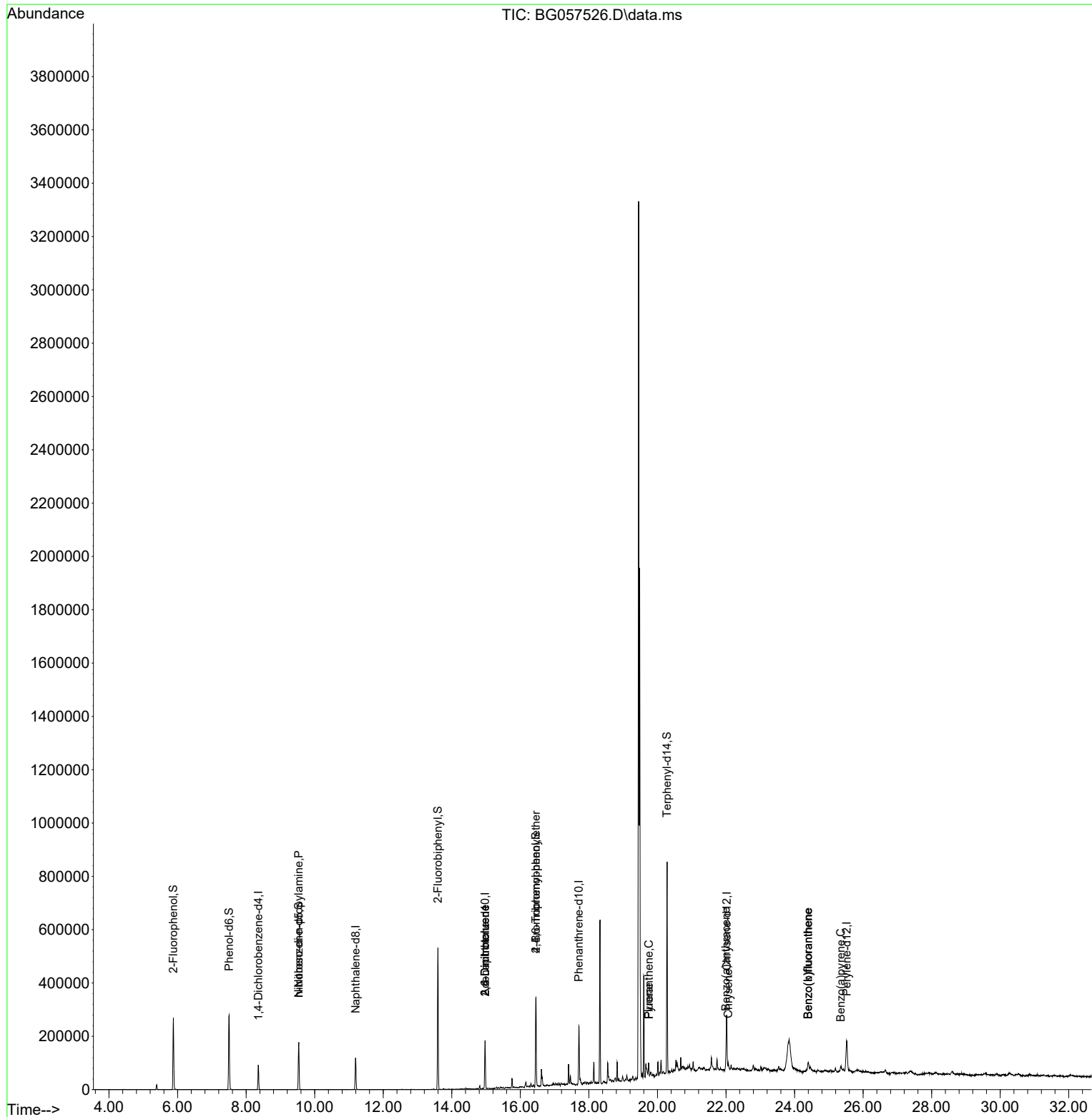
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	26064	20.000	ng	0.00
21) Naphthalene-d8	11.192	136	101441	20.000	ng	0.00
39) Acenaphthene-d10	14.970	164	67048	20.000	ng	0.00
64) Phenanthrene-d10	17.707	188	141848	20.000	ng	0.00
76) Chrysene-d12	22.019	240	128583	20.000	ng	0.00
86) Perylene-d12	25.520	264	142794	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	124514	81.720	ng	0.00
7) Phenol-d6	7.503	99	176153	76.133	ng	0.00
23) Nitrobenzene-d5	9.536	82	115140	47.639	ng	0.00
42) 2,4,6-Tribromophenol	16.456	330	72822	76.547	ng	0.00
45) 2-Fluorobiphenyl	13.595	172	276905	55.622	ng	0.00
79) Terphenyl-d14	20.280	244	410734	52.129	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.486	77	144	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.536	70	15842	8.979	ng	# 79
51) 2,6-Dinitrotoluene	14.970	165	9010	8.009	ng	# 17
57) 2,4-Dinitrotoluene	14.970	165	9010	5.604	ng	# 20
67) 4-Bromophenyl-phenylether	16.456	248	5143	2.970	ng	# 1
75) Fluoranthene	19.745	202	29757	3.292	ng	98
78) Pyrene	19.745	202	29757	3.185	ng	99
81) Benzo(a)anthracene	21.995	228	19643	2.144	ng	# 91
83) Chrysene	22.066	228	18898	2.192	ng	# 92
88) Benzo(b)fluoranthene	24.392	252	27052	2.898	ng	# 95
89) Benzo(k)fluoranthene	24.392	252	27052	2.852	ng	# 96
90) Benzo(a)pyrene	25.350	252	18476	2.026	ng	# 79

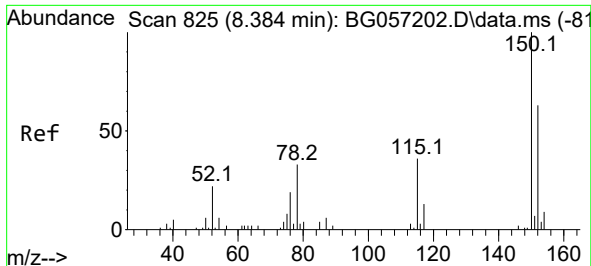
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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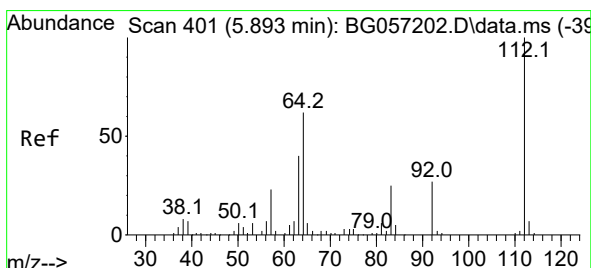
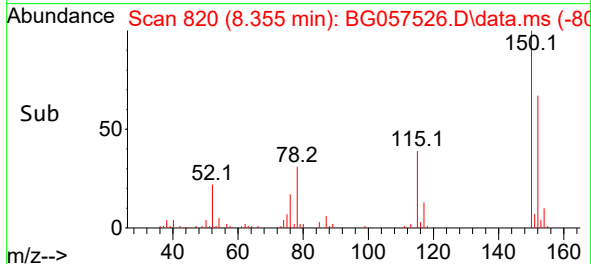
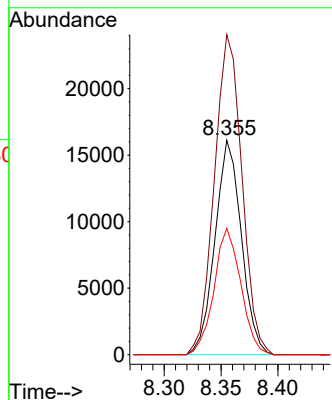
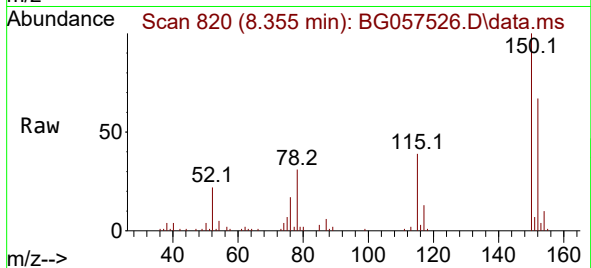




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

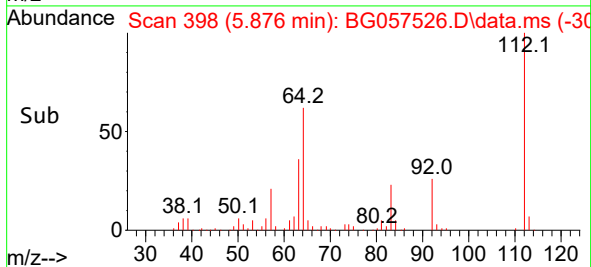
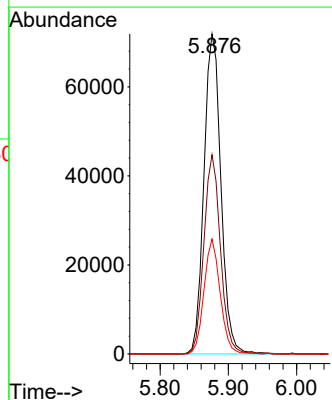
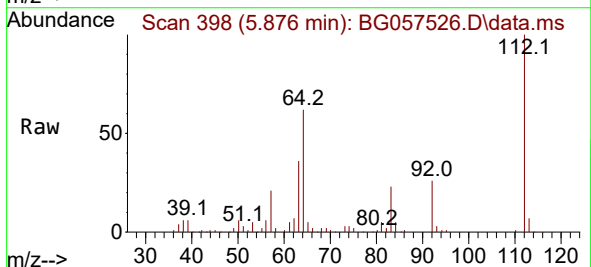
Instrument :
BNA_G
ClientSampleId :
PL-01-051923

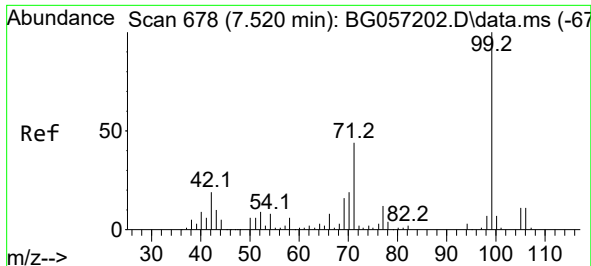
Tgt Ion:152 Resp: 26064
Ion Ratio Lower Upper
152 100
150 149.2 126.2 189.4
115 58.8 45.0 67.4



#5
2-Fluorophenol
Concen: 81.720 ng
RT: 5.876 min Scan# 398
Delta R.T. 0.005 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

Tgt Ion:112 Resp: 124514
Ion Ratio Lower Upper
112 100
64 62.2 49.4 74.2
63 35.9 31.6 47.4

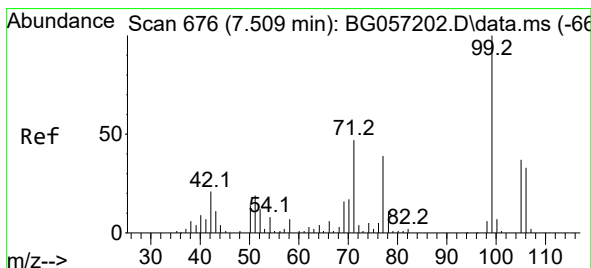
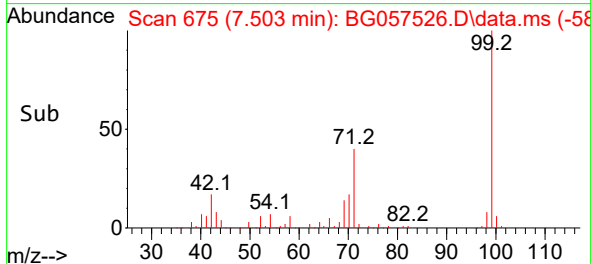
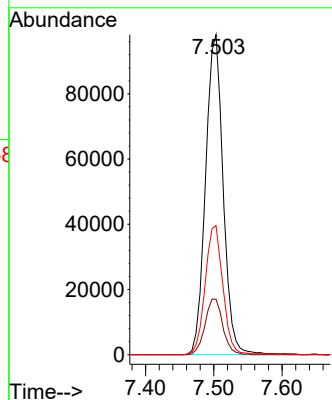
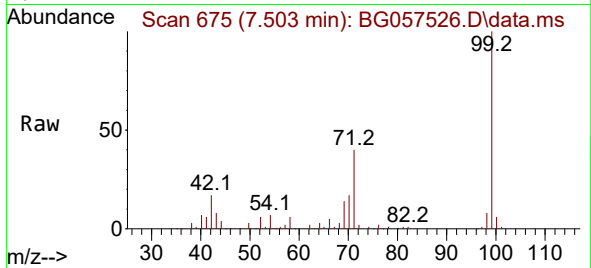




#7
Phenol-d6
Concen: 76.133 ng
RT: 7.503 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

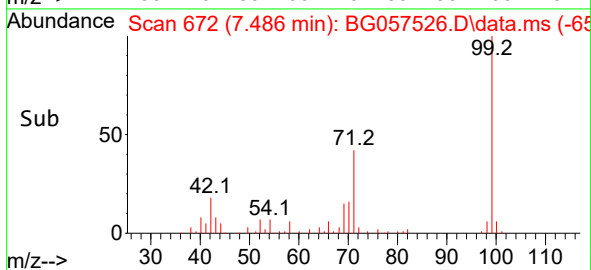
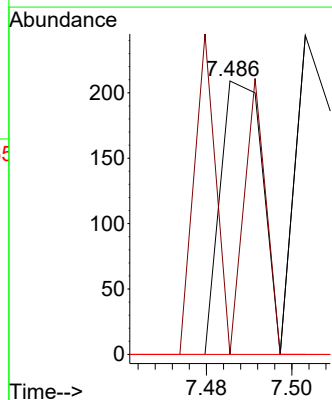
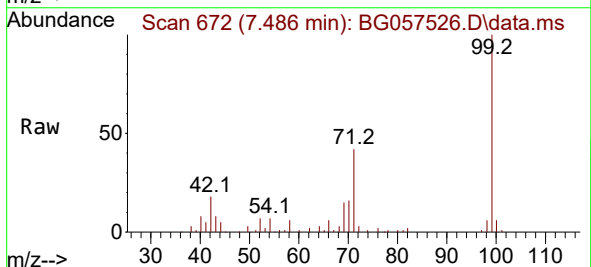
Instrument :
BNA_G
ClientSampleId :
PL-01-051923

Tgt Ion: 99 Resp: 176153
Ion Ratio Lower Upper
99 100
42 17.3 15.1 22.7
71 40.3 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.486 min Scan# 672
Delta R.T. -0.001 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

Tgt Ion: 77 Resp: 144
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

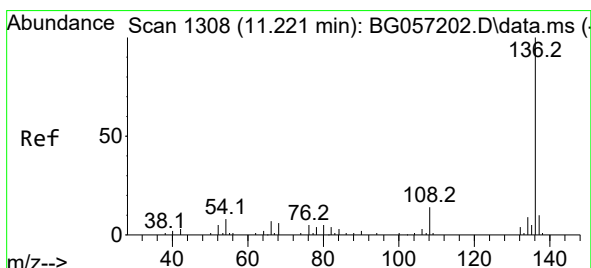
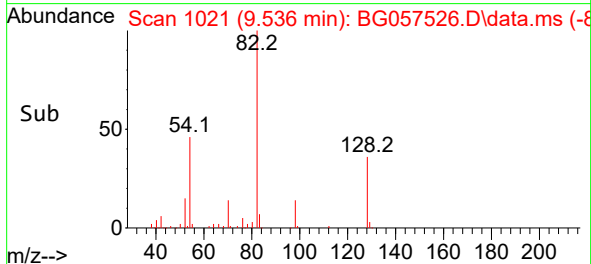
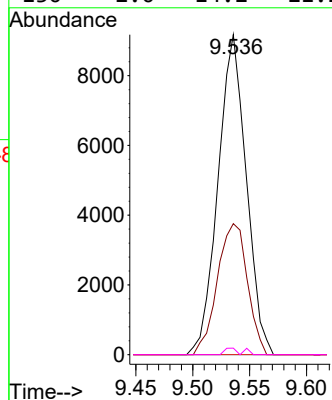
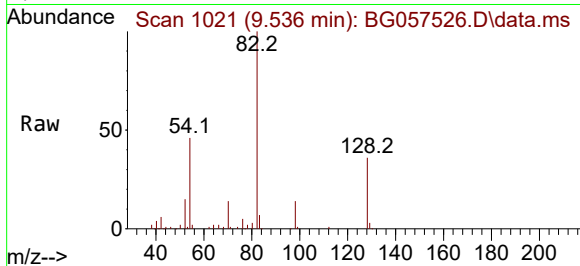




#19
n-Nitroso-di-n-propylamine
Concen: 8.979 ng
RT: 9.536 min Scan# 1021
Delta R.T. 0.375 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

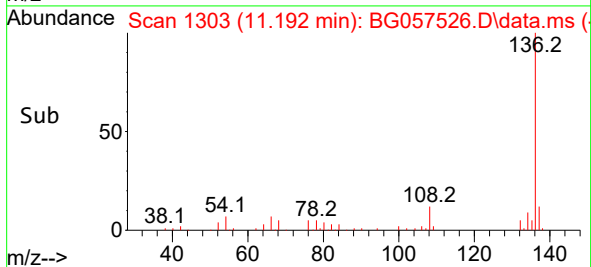
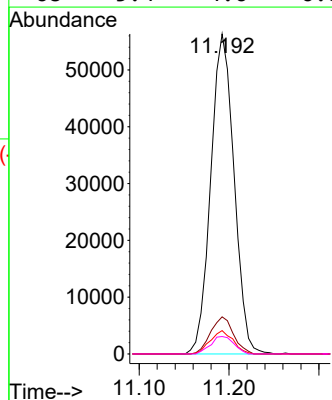
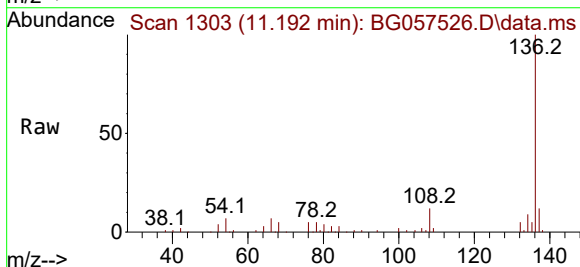
Instrument :
BNA_G
ClientSampleId :
PL-01-051923

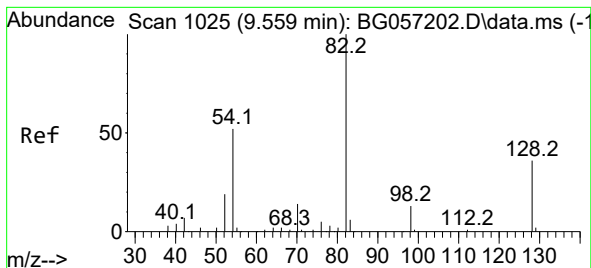
Tgt Ion: 70 Resp: 15842
Ion Ratio Lower Upper
70 100
42 41.0 41.8 62.8#
101 0.0 6.8 10.2#
130 2.0 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.192 min Scan# 1303
Delta R.T. -0.007 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

Tgt Ion:136 Resp: 101441
Ion Ratio Lower Upper
136 100
137 11.6 8.3 12.5
54 7.3 6.7 10.1
68 5.4 4.6 6.8





#23

Nitrobenzene-d5

Concen: 47.639 ng

RT: 9.536 min Scan# 1021

Delta R.T. -0.001 min

Lab File: BG057526.D

Acq: 23 May 2023 19:22

Instrument :

BNA_G

ClientSampleId :

PL-01-051923

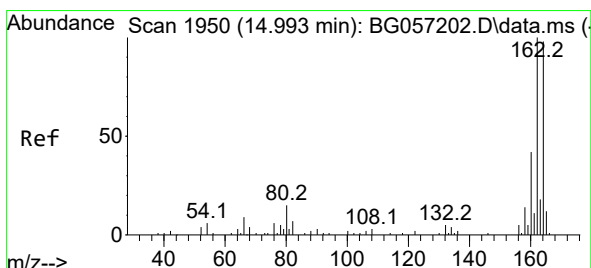
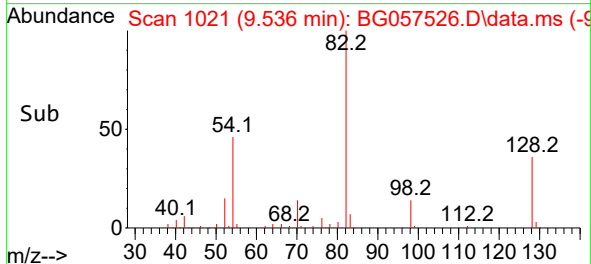
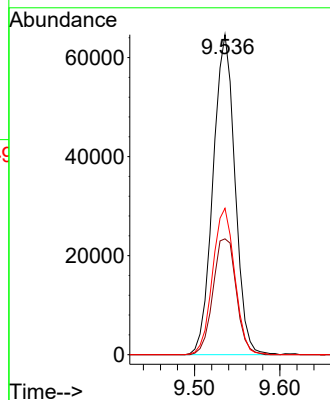
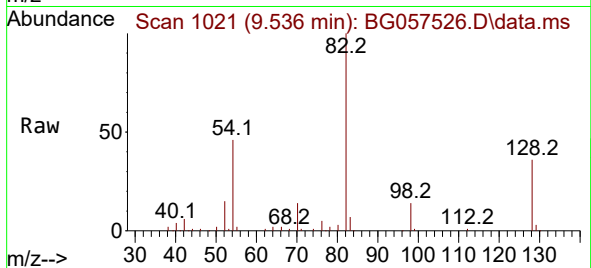
Tgt Ion: 82 Resp: 115140

Ion Ratio Lower Upper

82 100

128 36.2 29.0 43.4

54 45.8 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.970 min Scan# 1946

Delta R.T. -0.007 min

Lab File: BG057526.D

Acq: 23 May 2023 19:22

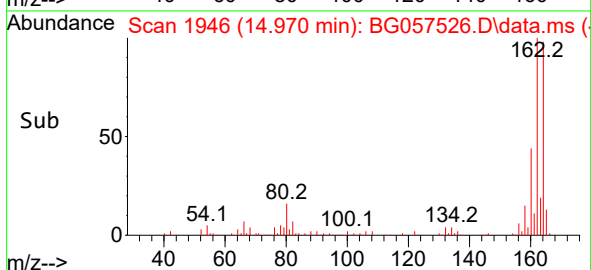
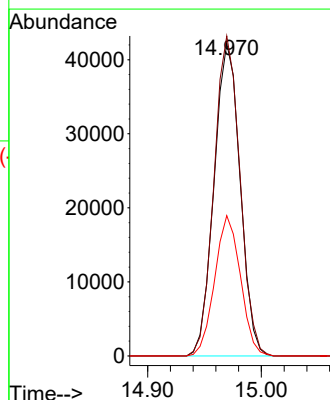
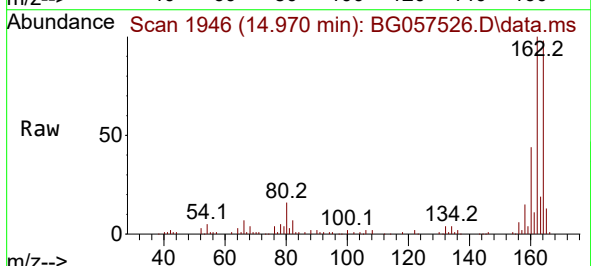
Tgt Ion:164 Resp: 67048

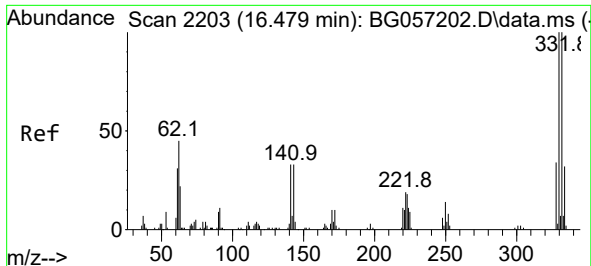
Ion Ratio Lower Upper

164 100

162 102.4 81.8 122.6

160 44.9 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 76.547 ng

RT: 16.456 min Scan# 2199

Delta R.T. -0.001 min

Lab File: BG057526.D

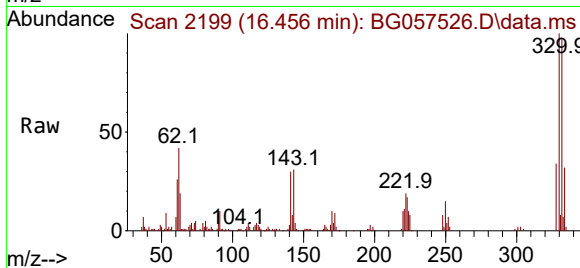
Acq: 23 May 2023 19:22

Instrument :

BNA_G

ClientSampleId :

PL-01-051923



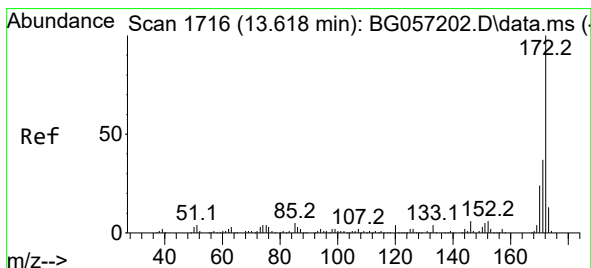
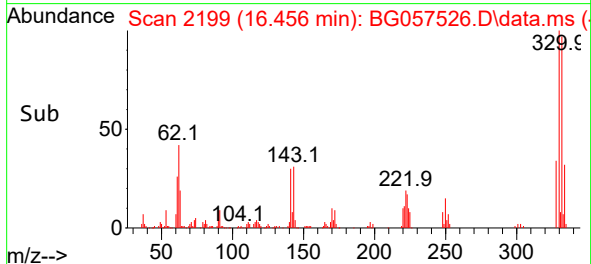
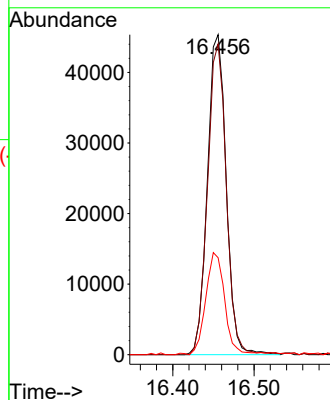
Tgt Ion:330 Resp: 72822

Ion Ratio Lower Upper

330 100

332 97.0 78.2 117.2

141 33.0 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 55.622 ng

RT: 13.595 min Scan# 1712

Delta R.T. -0.007 min

Lab File: BG057526.D

Acq: 23 May 2023 19:22

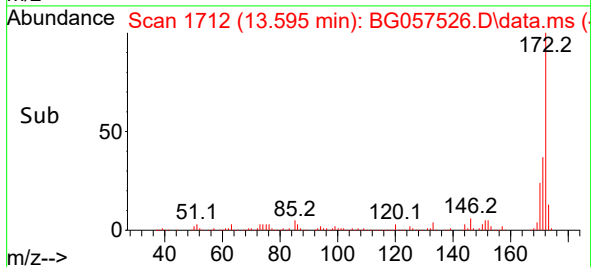
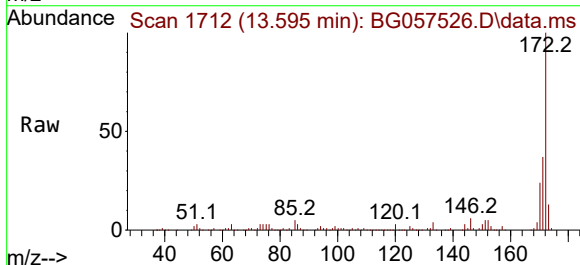
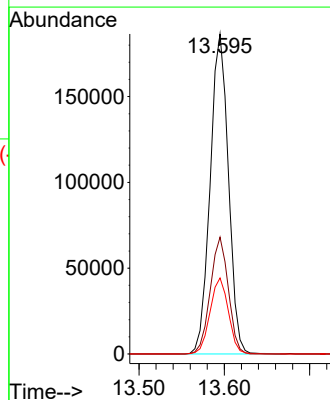
Tgt Ion:172 Resp: 276905

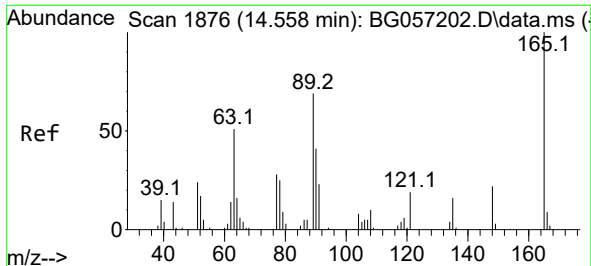
Ion Ratio Lower Upper

172 100

171 36.5 29.4 44.0

170 23.7 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.009 ng

RT: 14.970 min Scan# 1946

Delta R.T. 0.428 min

Lab File: BG057526.D

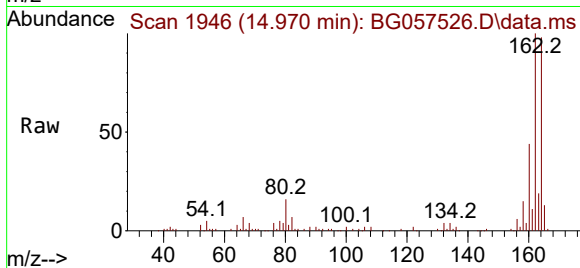
Acq: 23 May 2023 19:22

Instrument :

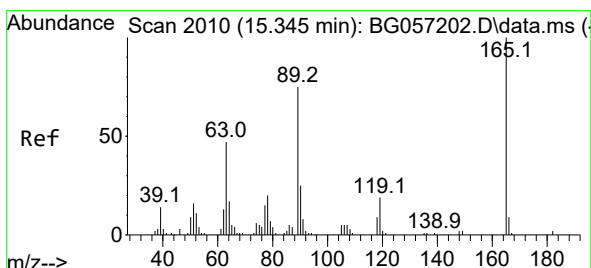
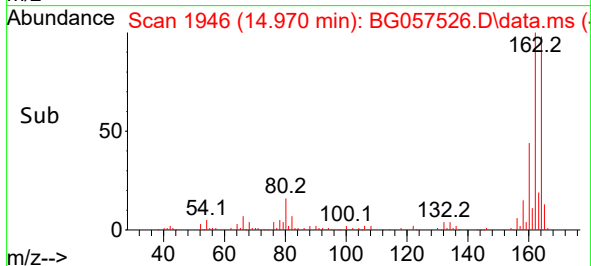
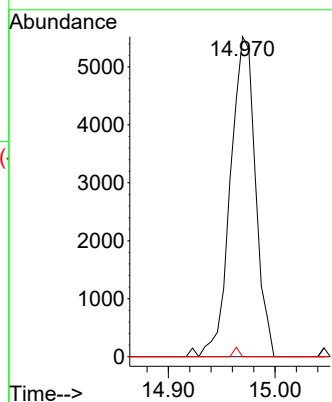
BNA_G

ClientSampleId :

PL-01-051923



Tgt Ion:	165	Resp:	9010
Ion Ratio	Lower	Upper	
165	100		
63	0.0	50.9	76.3#
89	0.0	55.2	82.8#



#57

2,4-Dinitrotoluene

Concen: 5.604 ng

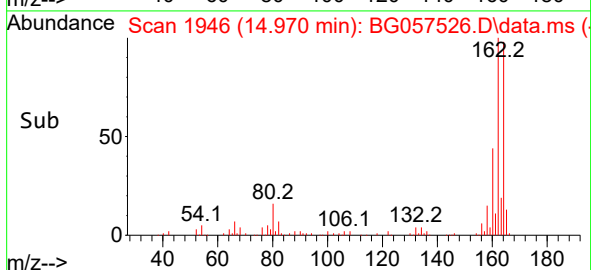
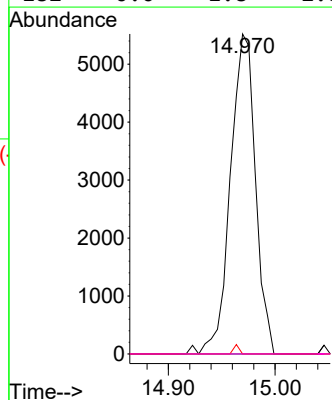
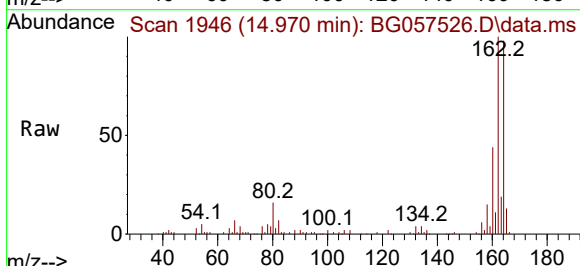
RT: 14.970 min Scan# 1946

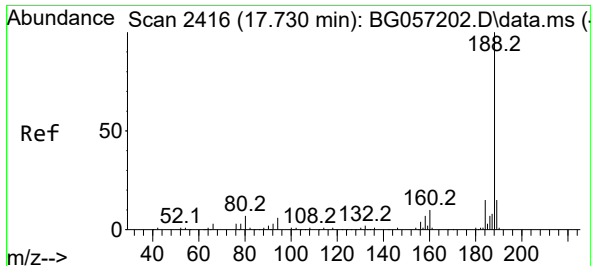
Delta R.T. -0.359 min

Lab File: BG057526.D

Acq: 23 May 2023 19:22

Tgt Ion:	165	Resp:	9010
Ion Ratio	Lower	Upper	
165	100		
63	0.0	37.5	56.3#
89	0.0	60.2	90.4#
182	0.0	1.8	2.8#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.707 min Scan# 2416
Delta R.T. -0.007 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

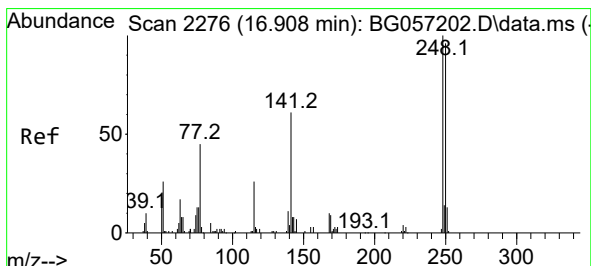
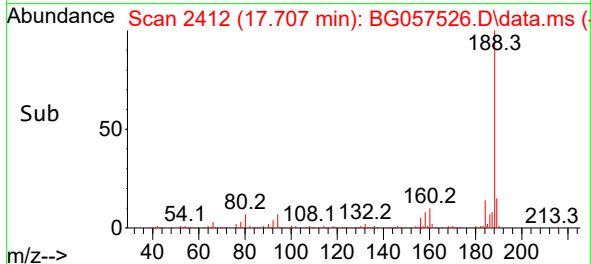
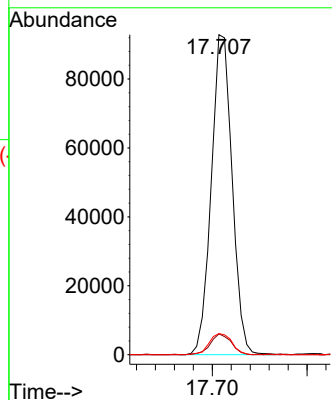
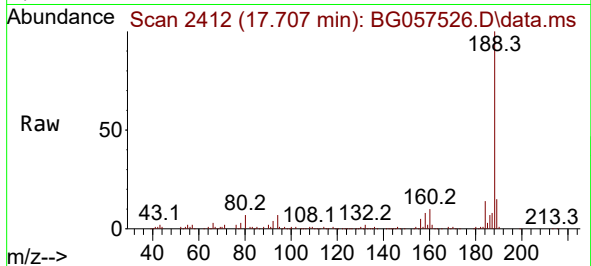
Instrument :

BNA_G

ClientSampleId :

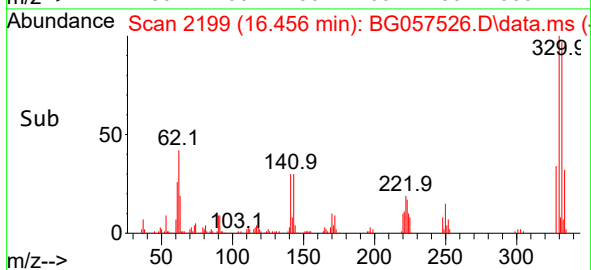
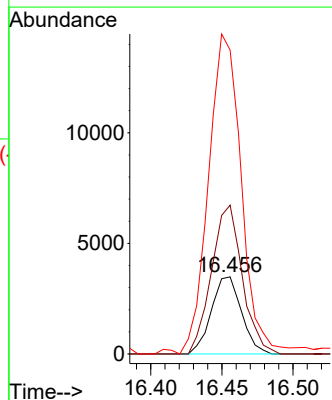
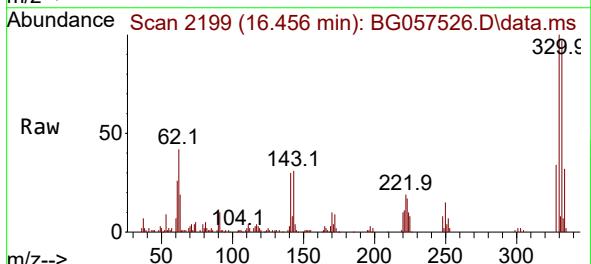
PL-01-051923

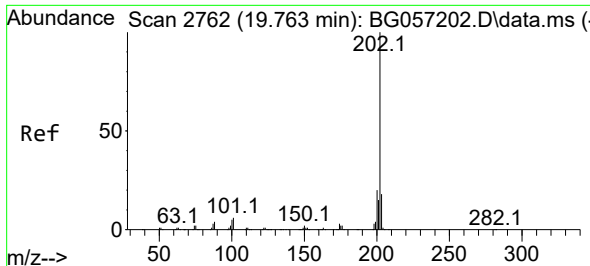
Tgt Ion:188 Resp: 141848
Ion Ratio Lower Upper
188 100
94 6.5 5.1 7.7
80 6.6 5.7 8.5



#67
4-Bromophenyl-phenylether
Concen: 2.970 ng
RT: 16.456 min Scan# 2199
Delta R.T. -0.430 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

Tgt Ion:248 Resp: 5143
Ion Ratio Lower Upper
248 100
250 193.0 77.0 115.6#
141 394.2 48.6 72.8#

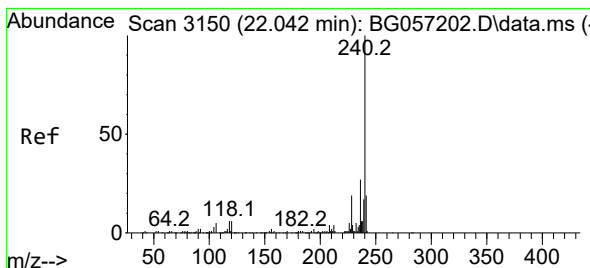
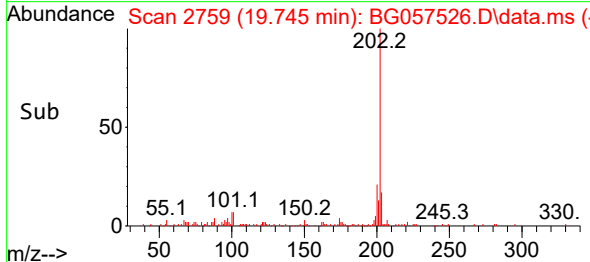
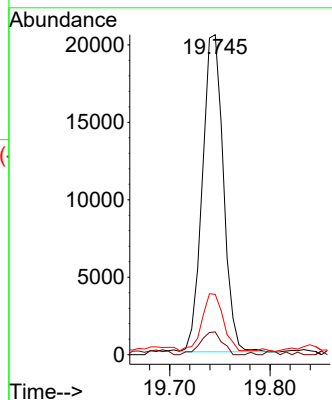
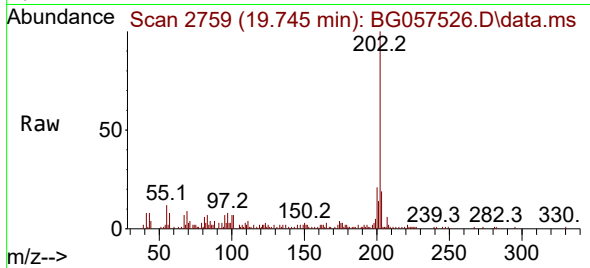




#75
Fluoranthene
Concen: 3.292 ng
RT: 19.745 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

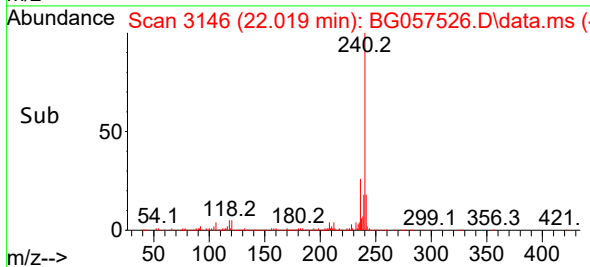
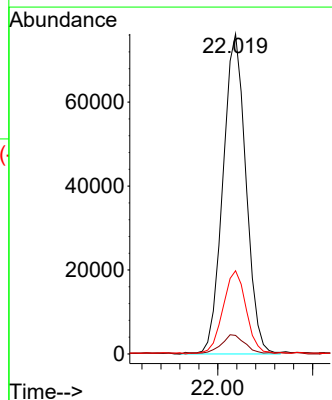
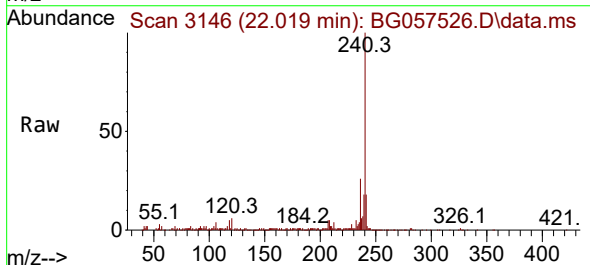
Instrument :
BNA_G
ClientSampleId :
PL-01-051923

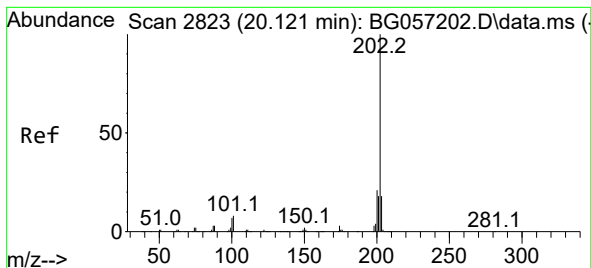
Tgt Ion:202 Resp: 29757
Ion Ratio Lower Upper
202 100
101 7.1 0.0 26.2
203 18.9 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.019 min Scan# 3146
Delta R.T. -0.001 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

Tgt Ion:240 Resp: 128583
Ion Ratio Lower Upper
240 100
120 5.8 4.9 7.3
236 26.0 21.4 32.2





#78

Pyrene

Concen: 3.185 ng

RT: 19.745 min Scan# 21

Delta R.T. -0.359 min

Lab File: BG057526.D

Acq: 23 May 2023 19:22

Instrument :

BNA_G

ClientSampleId :

PL-01-051923

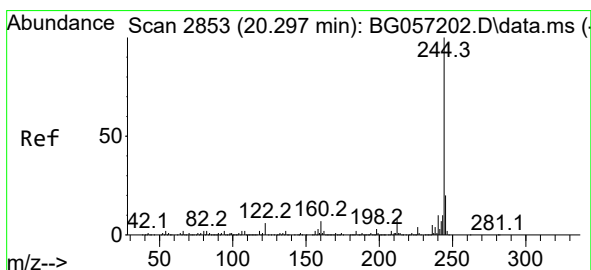
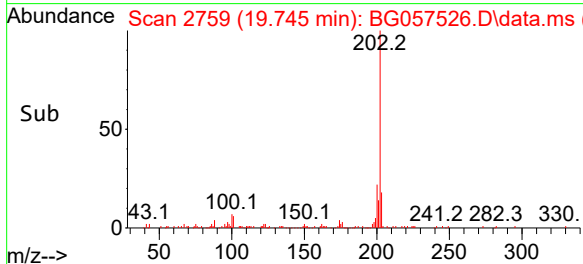
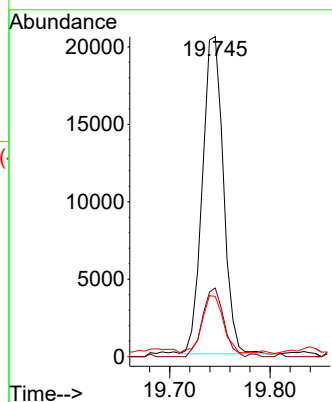
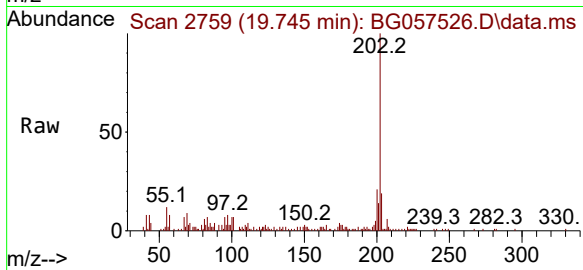
Tgt Ion:202 Resp: 29757

Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.4

203 18.9 14.2 21.4



#79

Terphenyl-d14

Concen: 52.129 ng

RT: 20.280 min Scan# 2850

Delta R.T. -0.001 min

Lab File: BG057526.D

Acq: 23 May 2023 19:22

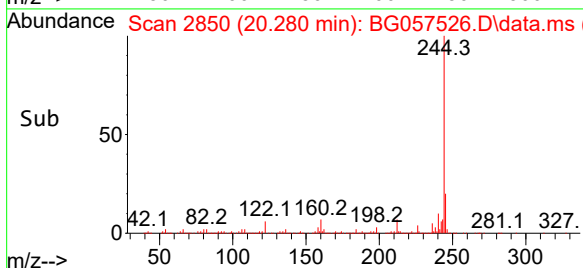
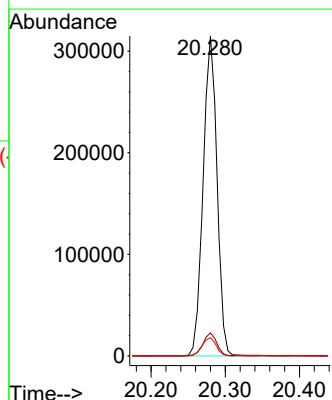
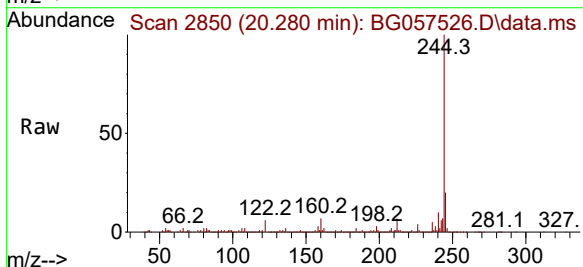
Tgt Ion:244 Resp: 410734

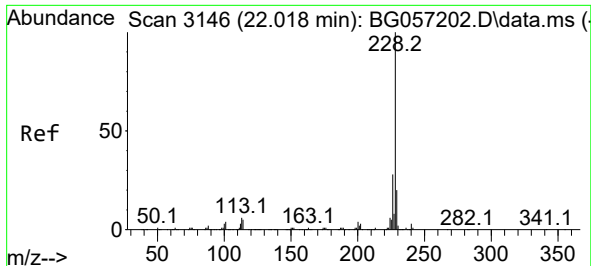
Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

122 5.7 5.1 7.7

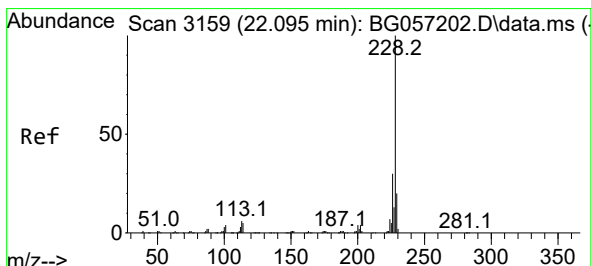
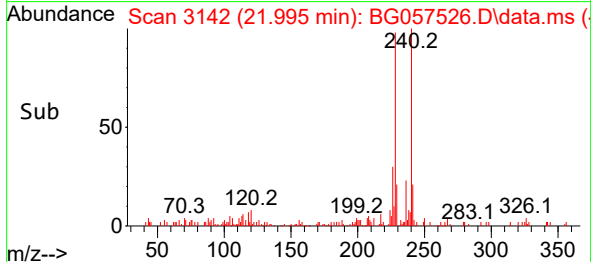
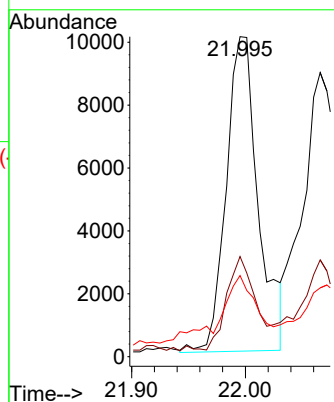
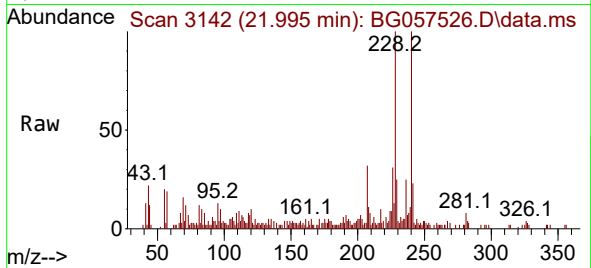




#81
Benzo(a)anthracene
Concen: 2.144 ng
RT: 21.995 min Scan# 3142
Delta R.T. -0.001 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

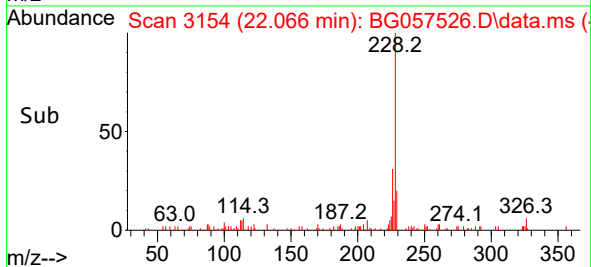
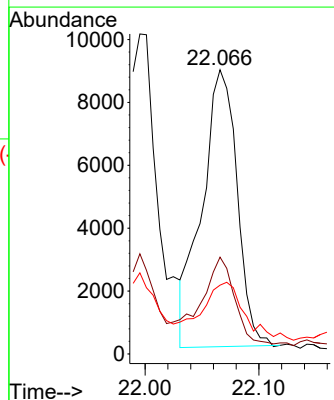
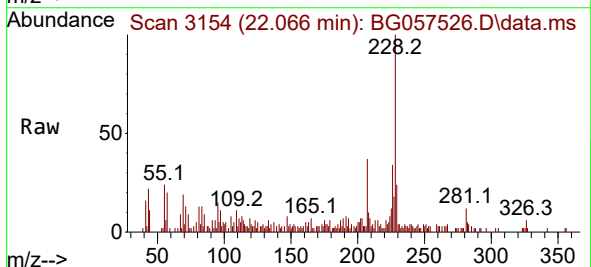
Instrument :
BNA_G
ClientSampleId :
PL-01-051923

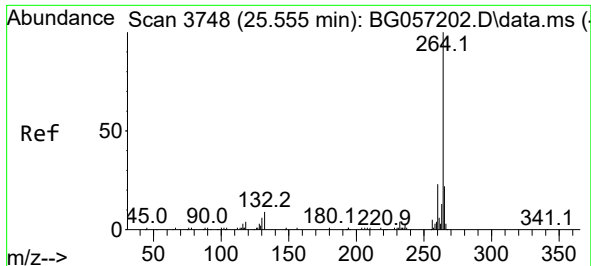
Tgt Ion:228 Resp: 19643
Ion Ratio Lower Upper
228 100
226 31.3 22.0 33.0
229 25.4 15.8 23.8#



#83
Chrysene
Concen: 2.192 ng
RT: 22.066 min Scan# 3154
Delta R.T. -0.007 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

Tgt Ion:228 Resp: 18898
Ion Ratio Lower Upper
228 100
226 34.1 24.3 36.5
229 24.2 15.9 23.9#

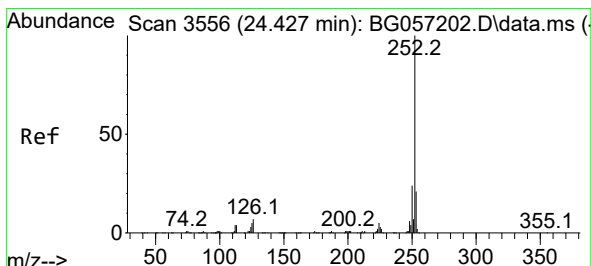
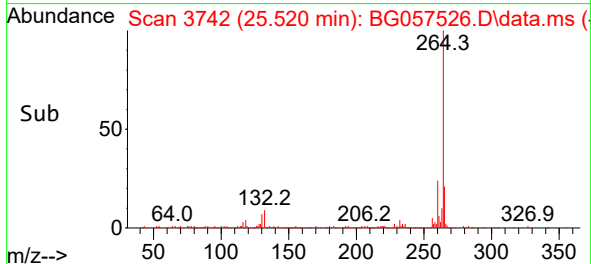
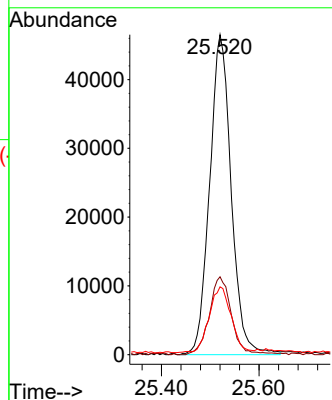
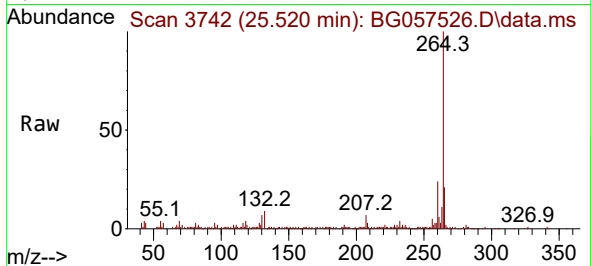




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.520 min Scan# 31
Delta R.T. 0.005 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

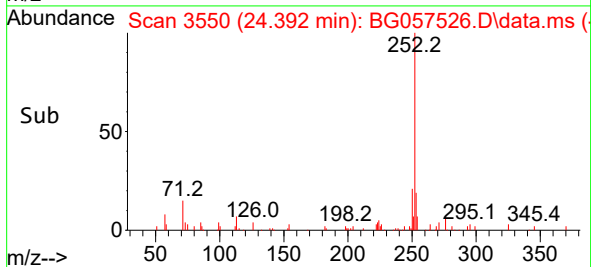
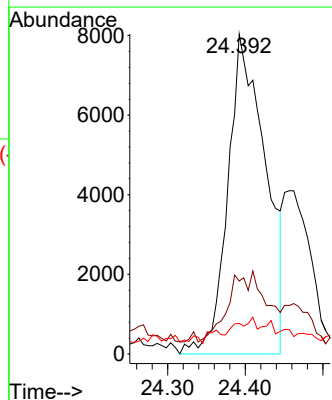
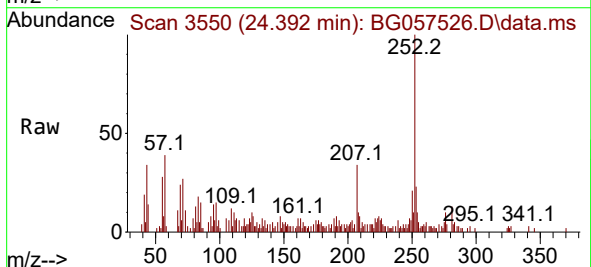
Instrument :
BNA_G
ClientSampleId :
PL-01-051923

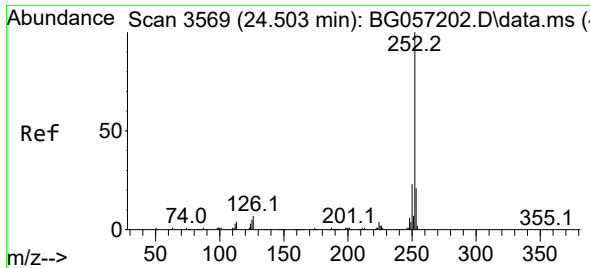
Tgt Ion:264 Resp: 142794
Ion Ratio Lower Upper
264 100
260 24.3 18.8 28.2
265 21.2 17.9 26.9



#88
Benzo(b)fluoranthene
Concen: 2.898 ng
RT: 24.392 min Scan# 3550
Delta R.T. -0.001 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

Tgt Ion:252 Resp: 27052
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 9.6 4.2 6.2#

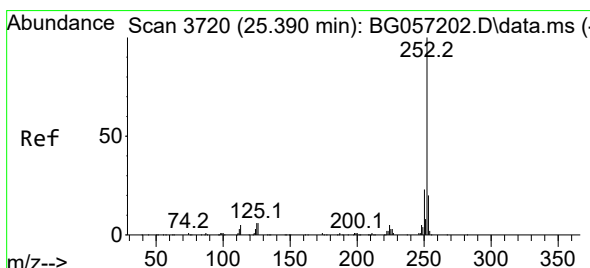
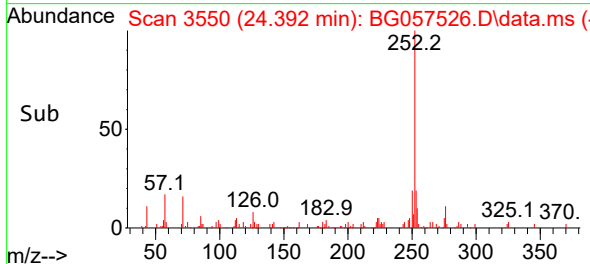
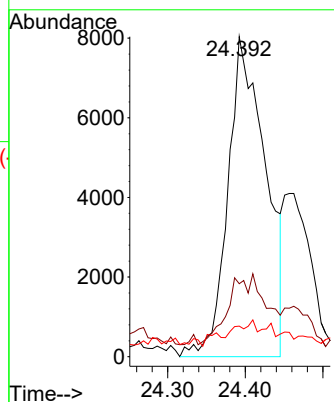
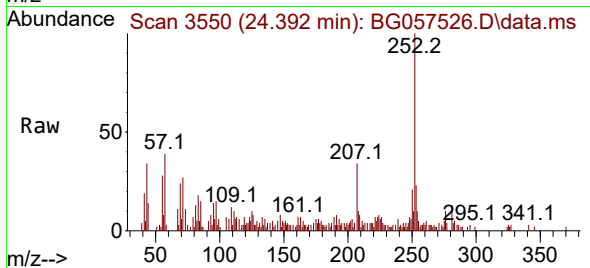




#89
Benzo(k)fluoranthene
Concen: 2.852 ng
RT: 24.392 min Scan# 31
Delta R.T. -0.077 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

Instrument :
BNA_G
ClientSampleId :
PL-01-051923

Tgt Ion:252 Resp: 27052
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 9.6 4.1 6.1#



#90
Benzo(a)pyrene
Concen: 2.026 ng
RT: 25.350 min Scan# 3713
Delta R.T. -0.007 min
Lab File: BG057526.D
Acq: 23 May 2023 19:22

Tgt Ion:252 Resp: 18476
Ion Ratio Lower Upper
252 100
253 31.0 16.3 24.5#
125 11.4 5.0 7.4#

