

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
 Data File : BG057525.D
 Acq On : 23 May 2023 18:41
 Operator : CG/JU
 Sample : 02892-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-32

Quant Time: May 24 04:35:05 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)

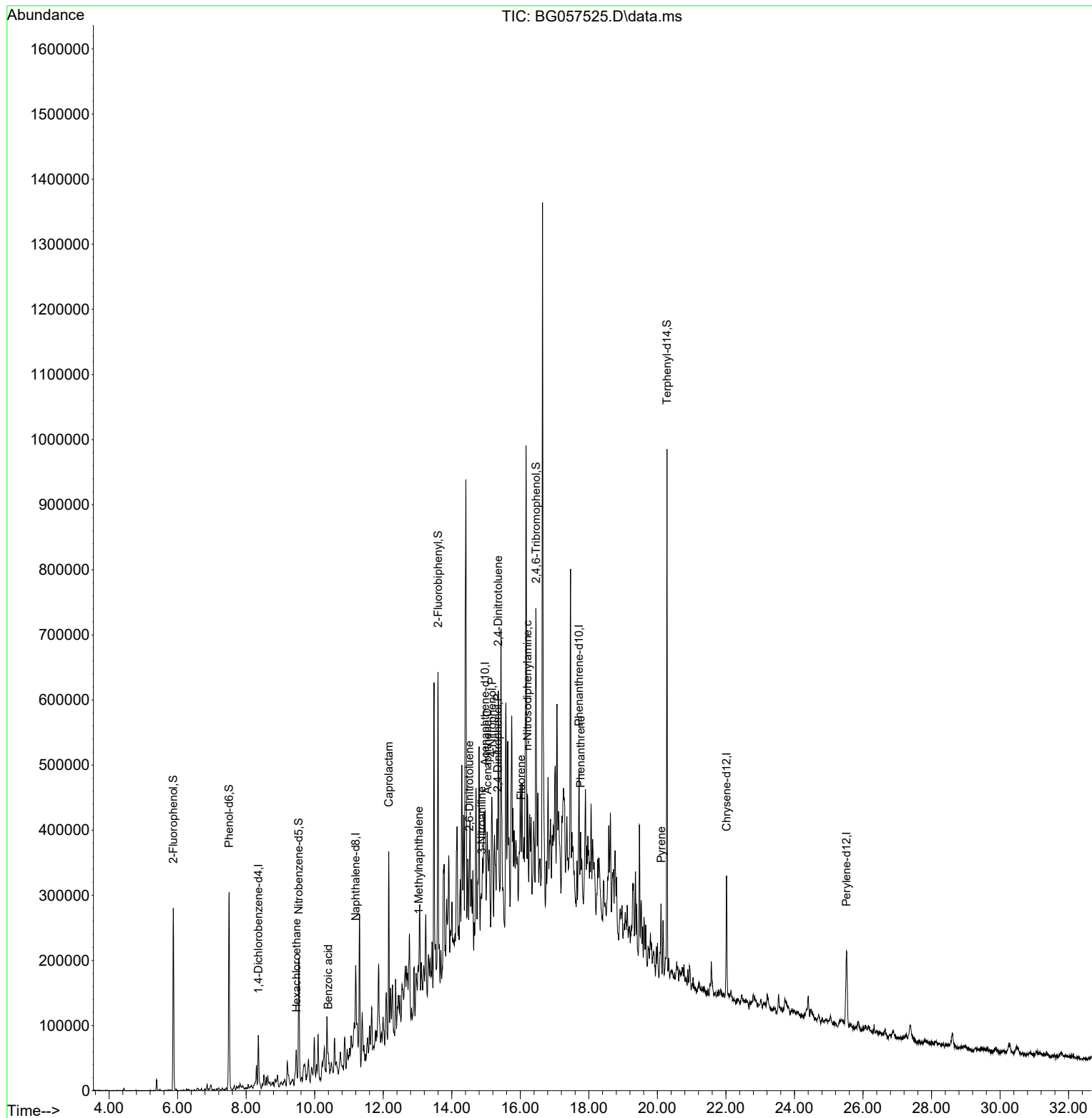
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.360	152	23630	20.000	ng	0.00
21) Naphthalene-d8	11.197	136	87937	20.000	ng	# 0.00
39) Acenaphthene-d10	14.975	164	57657	20.000	ng	0.00
64) Phenanthrene-d10	17.712	188	124111	20.000	ng	# 0.00
76) Chrysene-d12	22.018	240	123688	20.000	ng	0.00
86) Perylene-d12	25.519	264	139643	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.875	112	128520	93.038	ng	0.00
7) Phenol-d6	7.502	99	183707	87.576	ng	0.00
23) Nitrobenzene-d5	9.535	82	114122	54.468	ng	0.00
42) 2,4,6-Tribromophenol	16.461	330	74131	90.614	ng	0.00
45) 2-Fluorobiphenyl	13.600	172	247741	57.869	ng	0.00
79) Terphenyl-d14	20.279	244	398525	52.581	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.491	77	858	Below Cal	#	54
18) Hexachloroethane	9.470	117	2232	3.822	ng	# 1
32) Benzoic acid	10.398	122	1026	5.849	ng	# 49
35) Caprolactam	12.161	113	10806	21.043	ng	# 34
38) 1-Methylnaphthalene	13.042	142	29283	8.405	ng	# 97
51) 2,6-Dinitrotoluene	14.510	165	2908	3.006	ng	# 55
52) Acenaphthene	15.039	154	10492	3.248	ng	# 65
53) 3-Nitroaniline	14.875	138	2332	2.406	ng	# 21
54) 2,4-Dinitrophenol	15.339	184	674	5.972	ng	# 1
56) 4-Nitrophenol	15.174	139	9314	14.450	ng	# 63
57) 2,4-Dinitrotoluene	15.356	165	6454	4.668	ng	# 56
58) Fluorene	16.020	166	21729	4.861	ng	# 72
66) n-Nitrosodiphenylamine	16.208	169	55391	16.432	ng	# 36
71) Phenanthrene	17.759	178	53512	8.414	ng	# 88
78) Pyrene	20.109	202	29348	3.265	ng	# 80

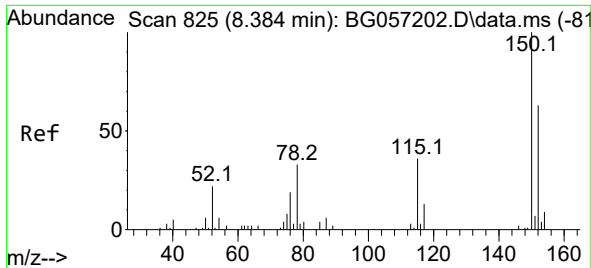
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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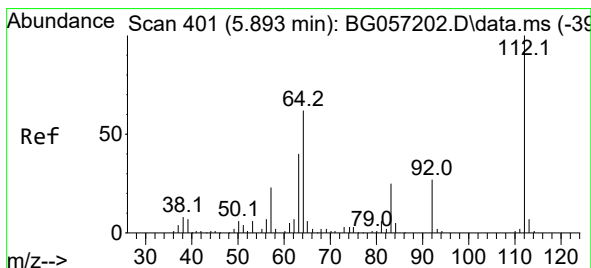
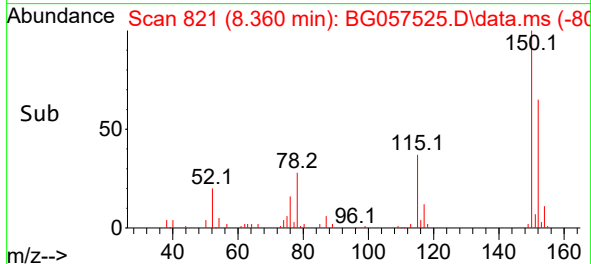
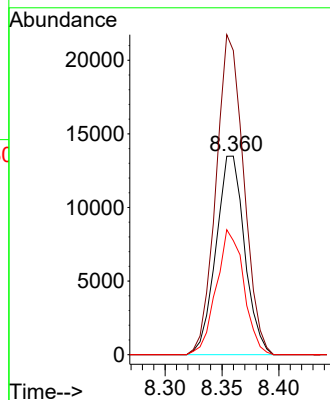
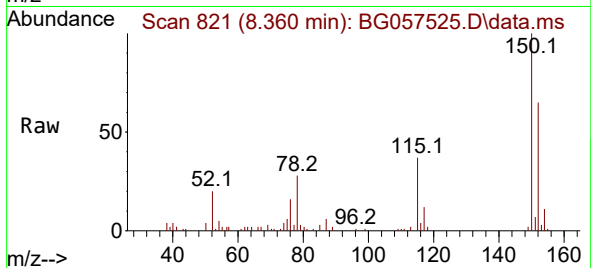




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.360 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057525.D
Acq: 23 May 2023 18:41

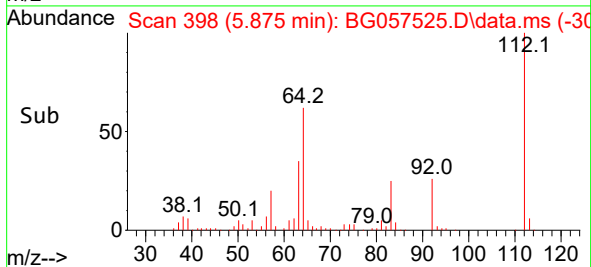
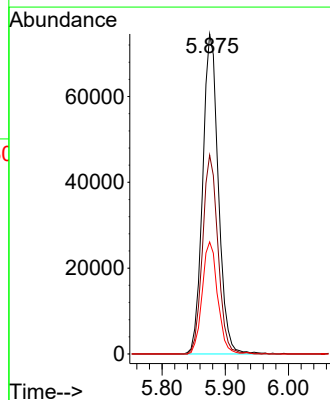
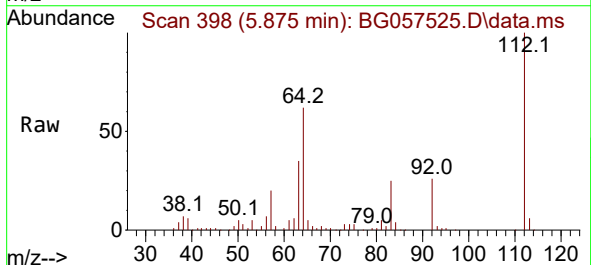
Instrument :
BNA_G
ClientSampleId :
TP-32

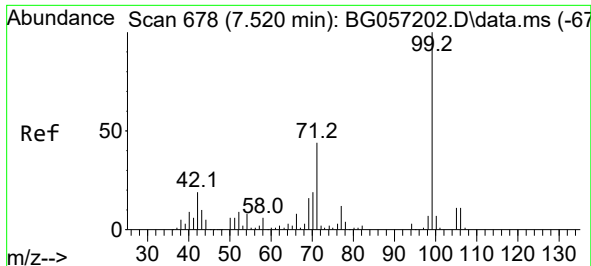
Tgt Ion:152 Resp: 23630
Ion Ratio Lower Upper
152 100
150 153.1 126.2 189.4
115 57.4 45.0 67.4



#5
2-Fluorophenol
Concen: 93.038 ng
RT: 5.875 min Scan# 398
Delta R.T. 0.004 min
Lab File: BG057525.D
Acq: 23 May 2023 18:41

Tgt Ion:112 Resp: 128520
Ion Ratio Lower Upper
112 100
64 62.1 49.4 74.2
63 35.0 31.6 47.4

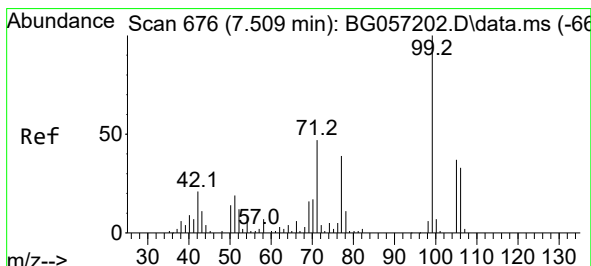
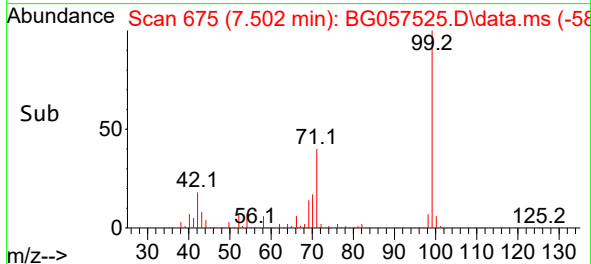
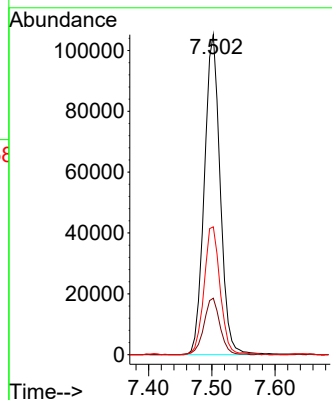
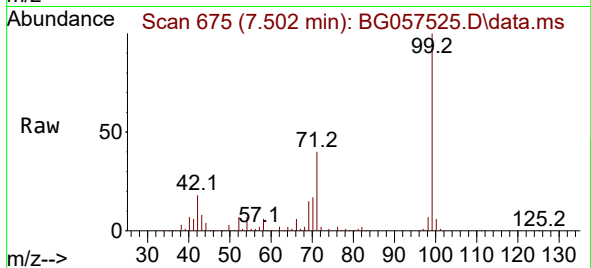




#7
Phenol-d6
Concen: 87.576 ng
RT: 7.502 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG057525.D
Acq: 23 May 2023 18:41

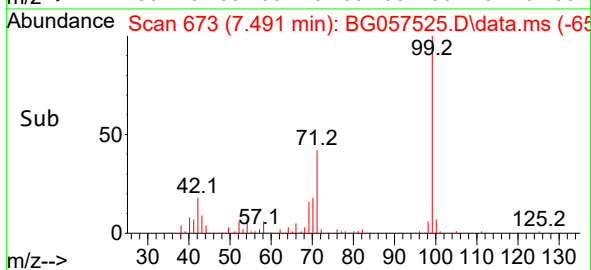
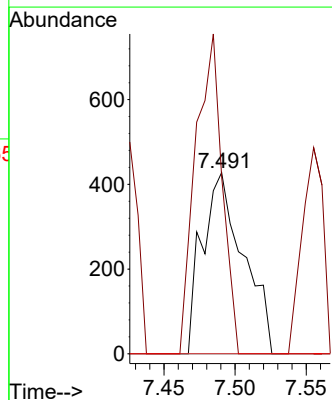
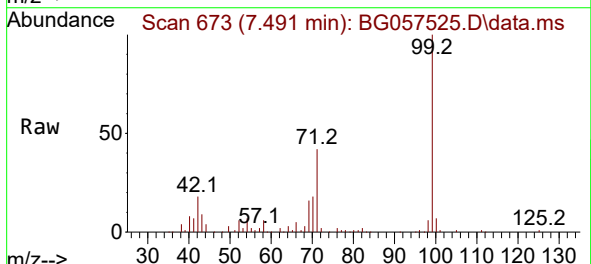
Instrument :
BNA_G
ClientSampleId :
TP-32

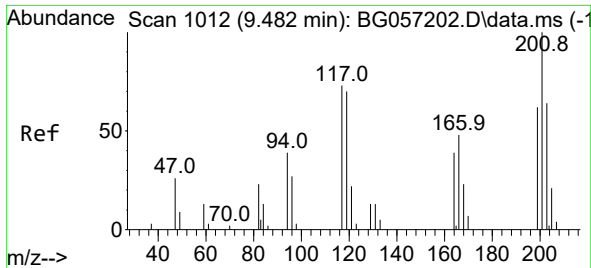
Tgt Ion: 99 Resp: 183707
Ion Ratio Lower Upper
99 100
42 17.6 15.1 22.7
71 39.9 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.491 min Scan# 673
Delta R.T. 0.004 min
Lab File: BG057525.D
Acq: 23 May 2023 18:41

Tgt Ion: 77 Resp: 858
Ion Ratio Lower Upper
77 100
105 97.7 74.6 114.6
106 0.0 66.3 106.3#

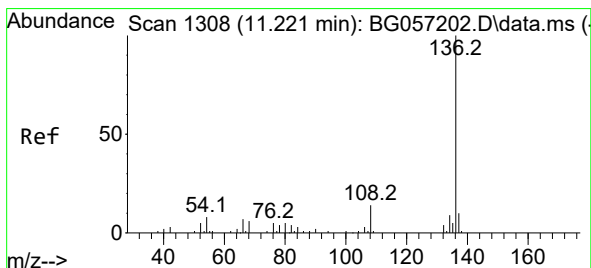
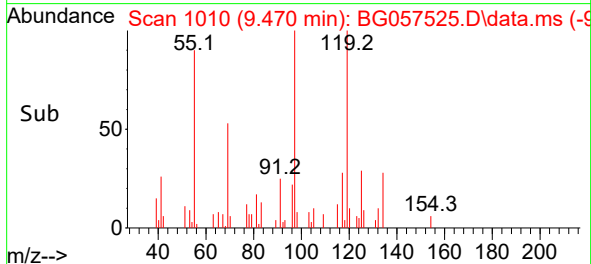
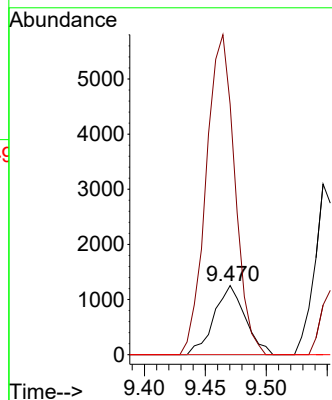
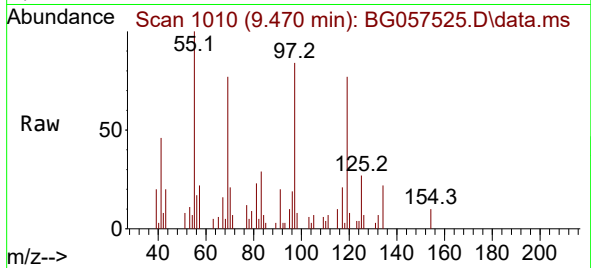




#18
Hexachloroethane
Concen: 3.822 ng
RT: 9.470 min Scan# 1010
Delta R.T. 0.016 min
Lab File: BG057525.D
Acq: 23 May 2023 18:41

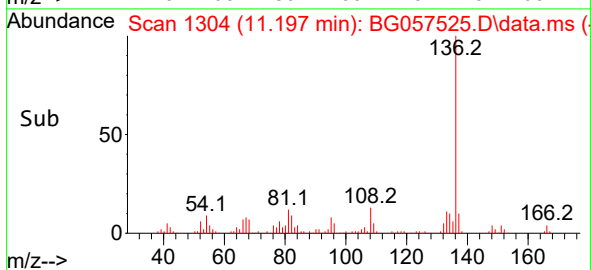
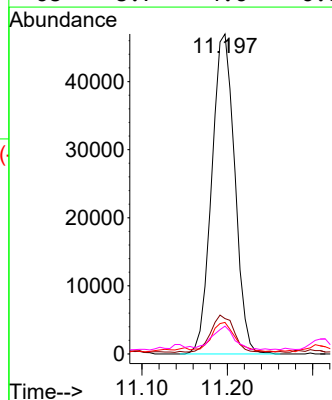
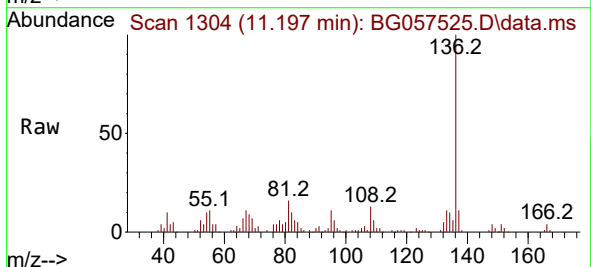
Instrument :
BNA_G
ClientSampleId :
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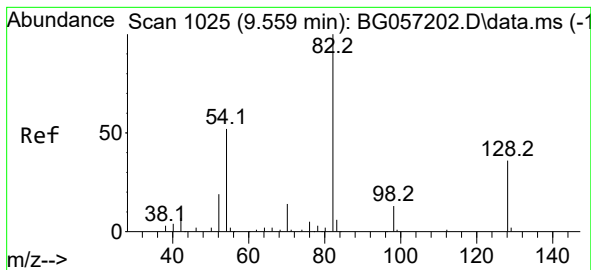
Tgt Ion:117 Resp: 2232
Ion Ratio Lower Upper
117 100
119 362.2 76.7 115.1#
201 0.0 109.0 163.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.197 min Scan# 1304
Delta R.T. -0.002 min
Lab File: BG057525.D
Acq: 23 May 2023 18:41

Tgt Ion:136 Resp: 87937
Ion Ratio Lower Upper
136 100
137 11.1 8.3 12.5
54 9.9 6.7 10.1
68 8.7 4.6 6.8#





#23

Nitrobenzene-d5

Concen: 54.468 ng

RT: 9.535 min Scan# 110

Delta R.T. -0.002 min

Lab File: BG057525.D

Acq: 23 May 2023 18:41

Instrument :

BNA_G

ClientSampleId :

TP-32

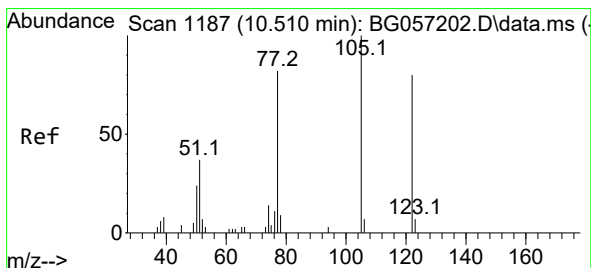
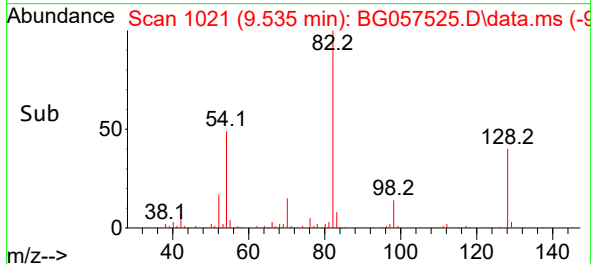
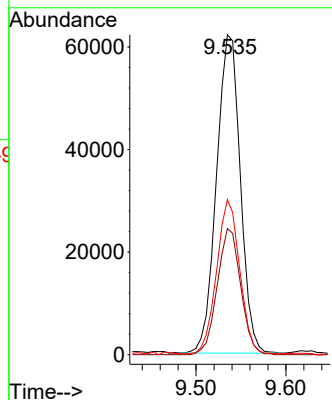
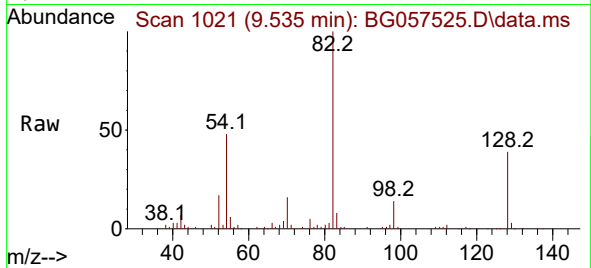
Tgt Ion: 82 Resp: 114122

Ion Ratio Lower Upper

82 100

128 39.4 29.0 43.4

54 48.5 41.4 62.0



#32

Benzoic acid

Concen: 5.849 ng

RT: 10.398 min Scan# 1168

Delta R.T. -0.090 min

Lab File: BG057525.D

Acq: 23 May 2023 18:41

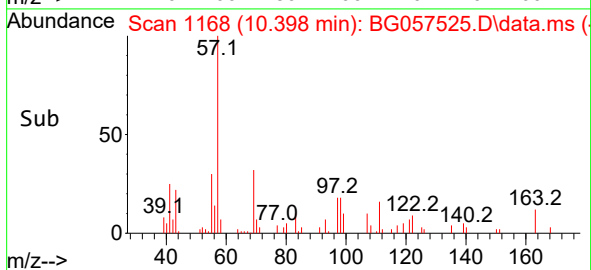
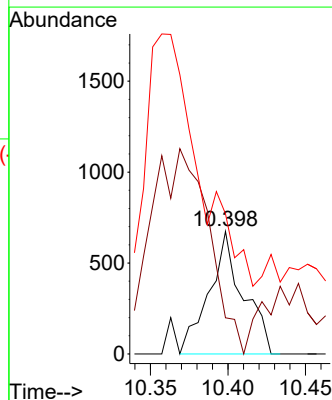
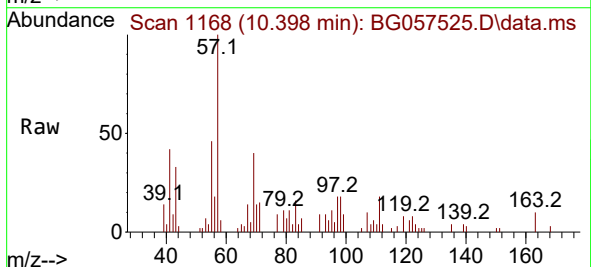
Tgt Ion:122 Resp: 1026

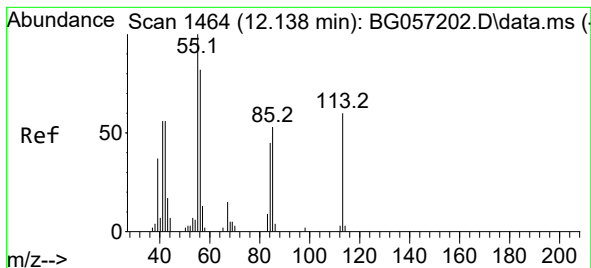
Ion Ratio Lower Upper

122 100

105 29.5 105.2 145.2#

77 114.4 83.1 123.1

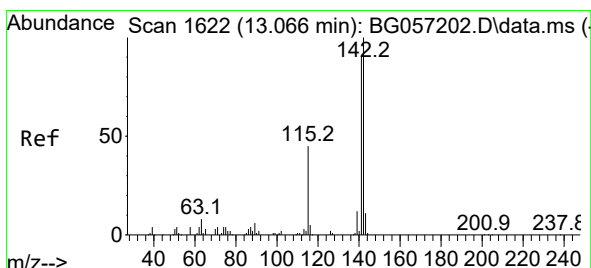
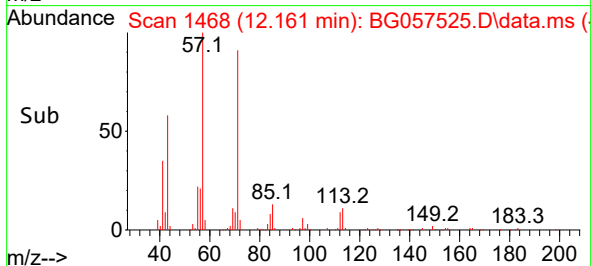
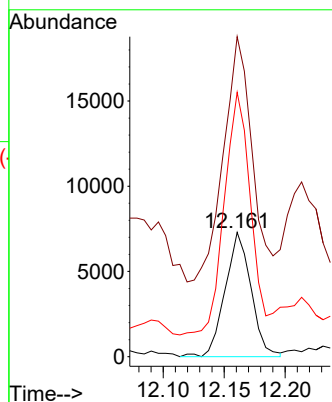
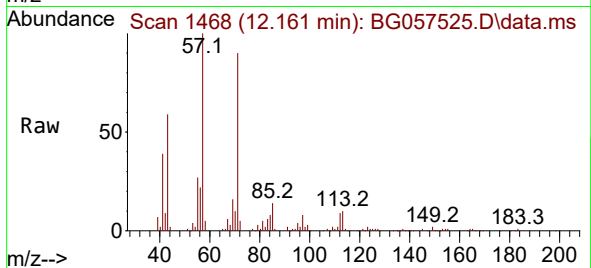




#35
Caprolactam
Concen: 21.043 ng
RT: 12.161 min Scan# 1468
Delta R.T. 0.039 min
Lab File: BG057525.D
Acq: 23 May 2023 18:41

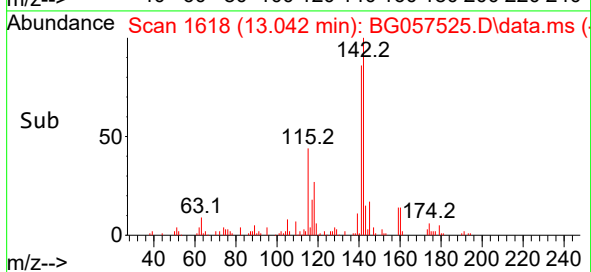
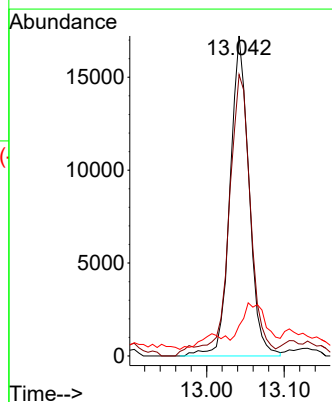
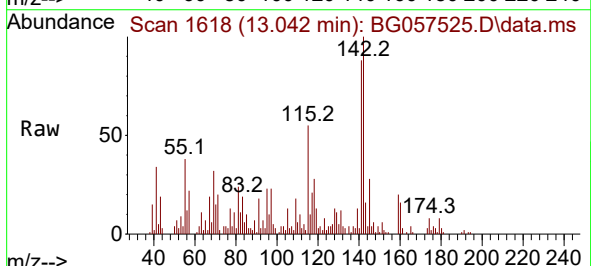
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ClientSampleId :
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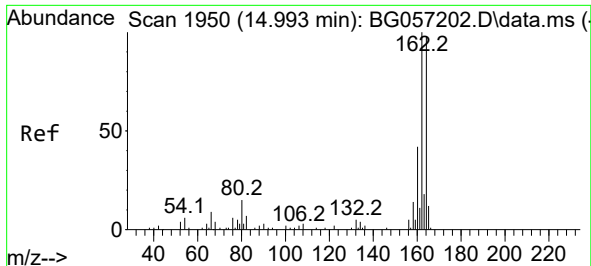
Tgt Ion:113 Resp: 10806
Ion Ratio Lower Upper
113 100
55 257.5 145.5 185.5#
56 212.7 115.9 155.9#



#38
1-Methylnaphthalene
Concen: 8.405 ng
RT: 13.042 min Scan# 1618
Delta R.T. -0.002 min
Lab File: BG057525.D
Acq: 23 May 2023 18:41

Tgt Ion:142 Resp: 29283
Ion Ratio Lower Upper
142 100
141 87.9 72.5 108.7
116 9.5 3.7 5.5#

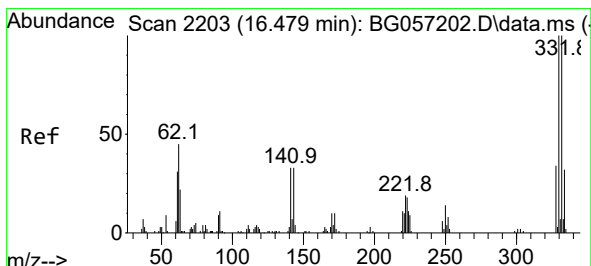
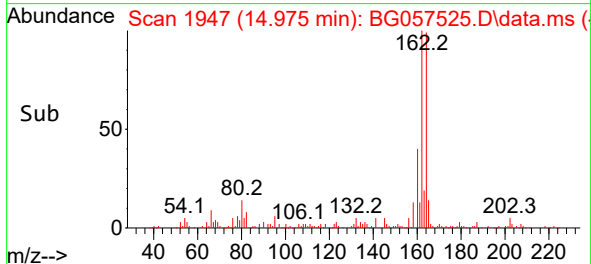
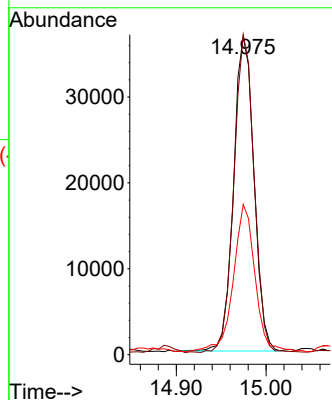
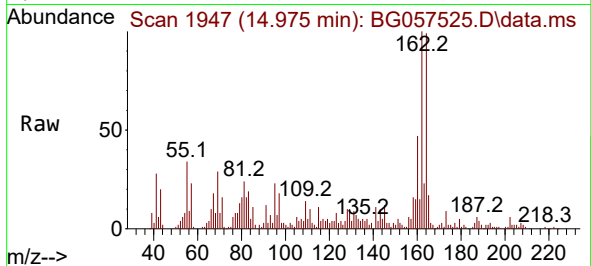




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.975 min Scan# 1947
 Delta R.T. -0.002 min
 Lab File: BG057525.D
 Acq: 23 May 2023 18:41

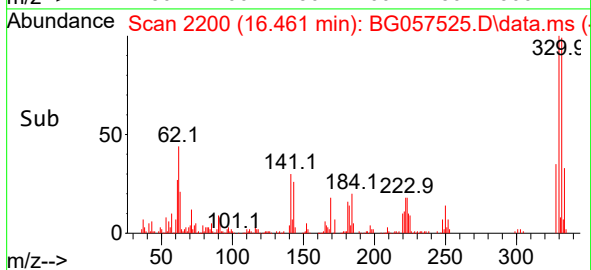
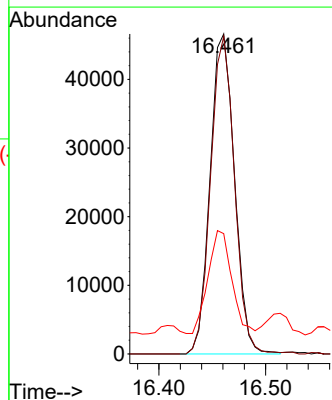
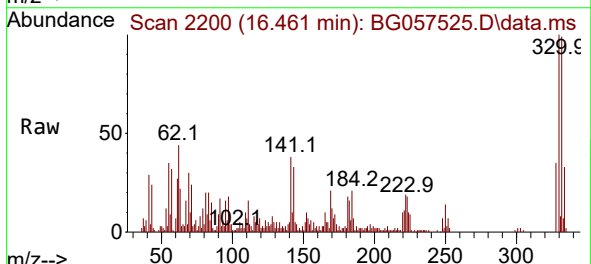
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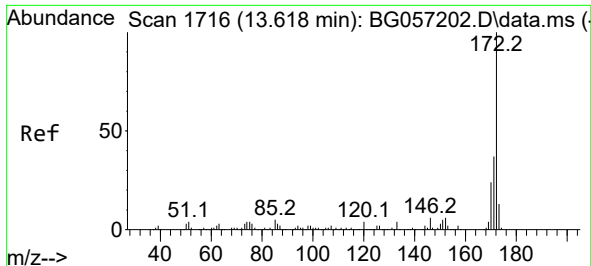
Tgt Ion:164 Resp: 57657
 Ion Ratio Lower Upper
 164 100
 162 100.6 81.8 122.6
 160 47.3 34.6 52.0



#42
 2,4,6-Tribromophenol
 Concen: 90.614 ng
 RT: 16.461 min Scan# 2200
 Delta R.T. 0.004 min
 Lab File: BG057525.D
 Acq: 23 May 2023 18:41

Tgt Ion:330 Resp: 74131
 Ion Ratio Lower Upper
 330 100
 332 97.3 78.2 117.2
 141 32.2 27.8 41.8

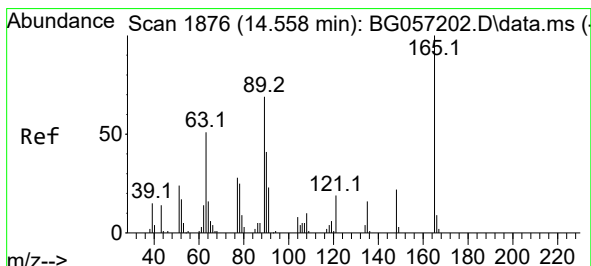
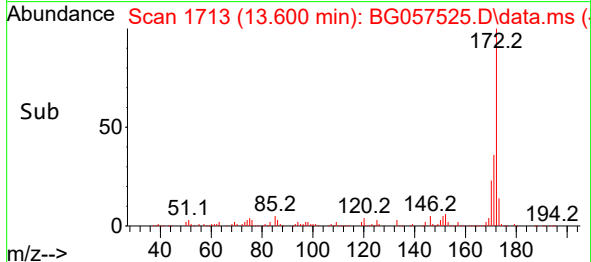
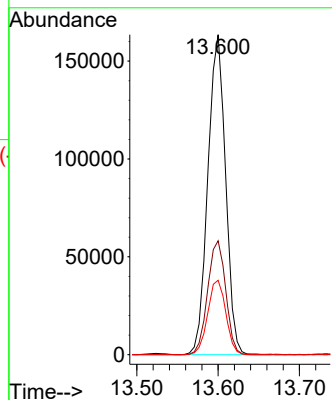
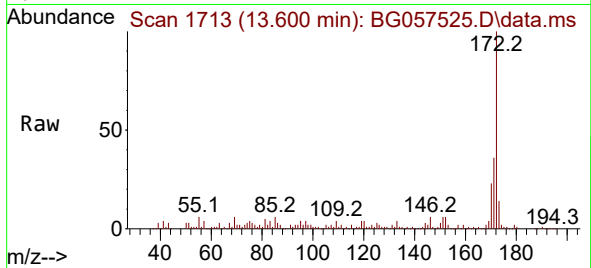




#45
2-Fluorobiphenyl
Concen: 57.869 ng
RT: 13.600 min Scan# 1713
Delta R.T. -0.002 min
Lab File: BG057525.D
Acq: 23 May 2023 18:41

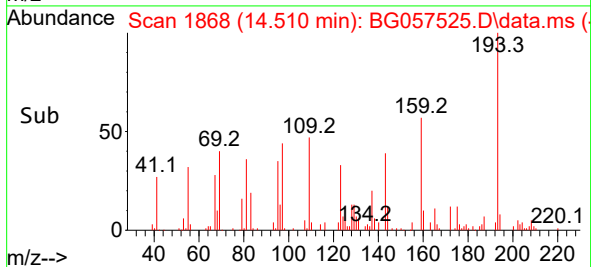
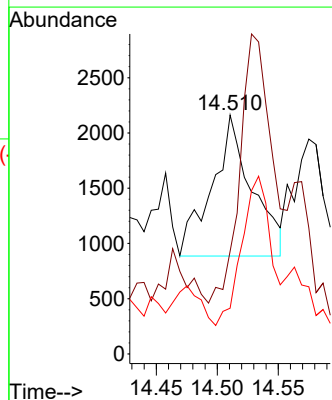
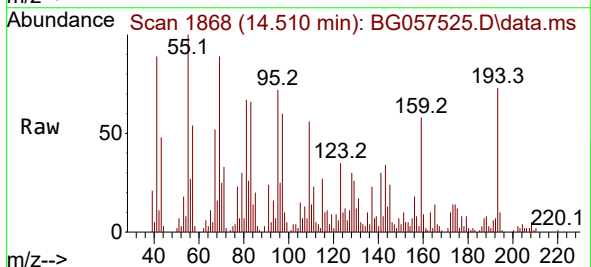
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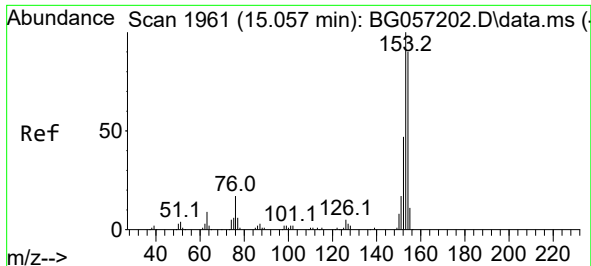
Tgt Ion:172 Resp: 247741
Ion Ratio Lower Upper
172 100
171 35.6 29.4 44.0
170 23.3 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 3.006 ng
RT: 14.510 min Scan# 1868
Delta R.T. -0.031 min
Lab File: BG057525.D
Acq: 23 May 2023 18:41

Tgt Ion:165 Resp: 2908
Ion Ratio Lower Upper
165 100
63 43.0 50.9 76.3#
89 19.1 55.2 82.8#

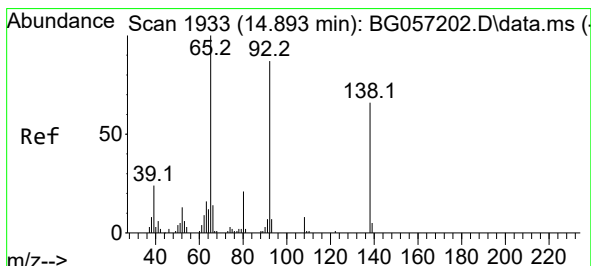
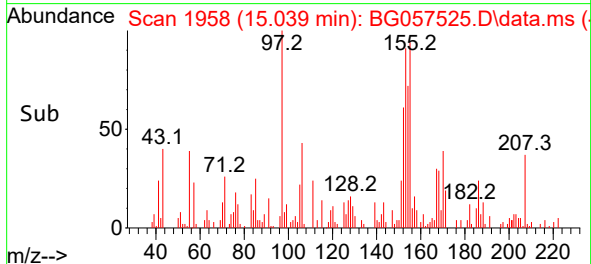
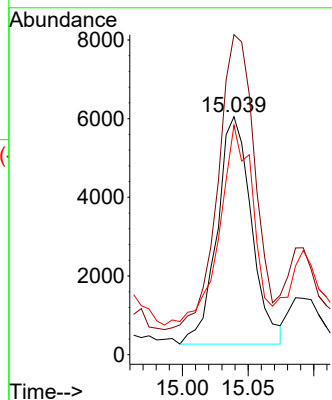
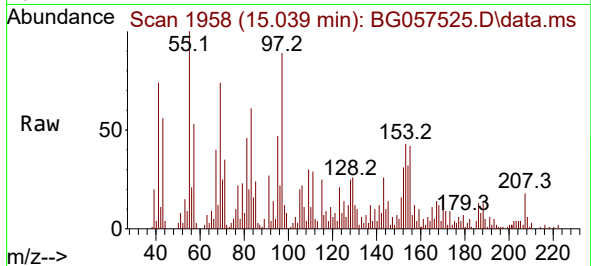




#52
Acenaphthene
Concen: 3.248 ng
RT: 15.039 min Scan# 1961
Delta R.T. 0.004 min
Lab File: BG057525.D
Acq: 23 May 2023 18:41

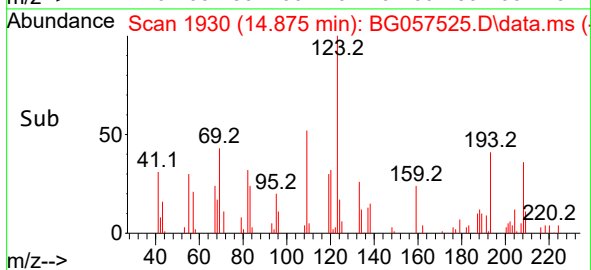
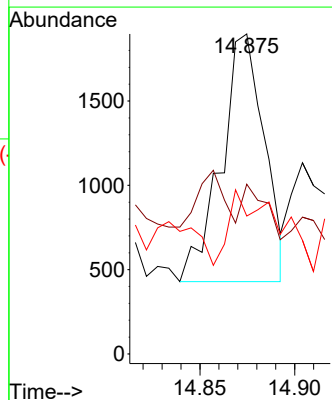
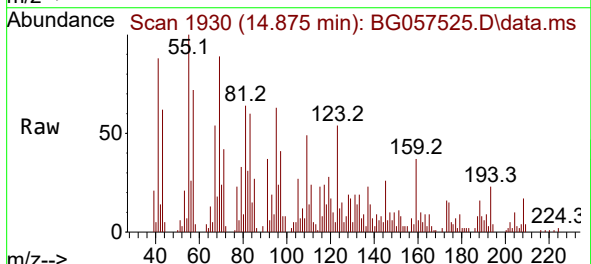
Instrument :
BNA_G
ClientSampleId :
TP-32

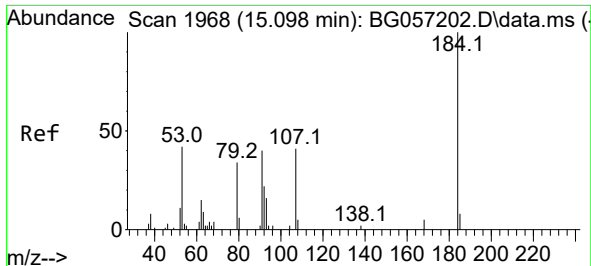
Tgt Ion:154 Resp: 10492
Ion Ratio Lower Upper
154 100
153 134.5 89.3 133.9#
152 96.4 41.7 62.5#



#53
3-Nitroaniline
Concen: 2.406 ng
RT: 14.875 min Scan# 1930
Delta R.T. -0.002 min
Lab File: BG057525.D
Acq: 23 May 2023 18:41

Tgt Ion:138 Resp: 2332
Ion Ratio Lower Upper
138 100
108 53.1 9.5 14.3#
92 43.1 106.2 159.4#





#54

2,4-Dinitrophenol

Concen: 5.972 ng

RT: 15.339 min Scan# 20

Delta R.T. 0.251 min

Lab File: BG057525.D

Acq: 23 May 2023 18:41

Instrument :

BNA_G

ClientSampleId :

TP-32

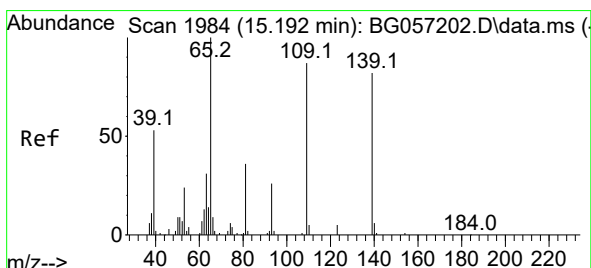
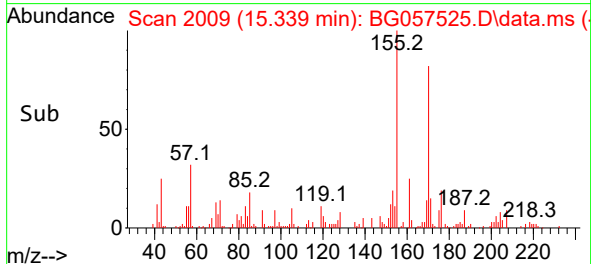
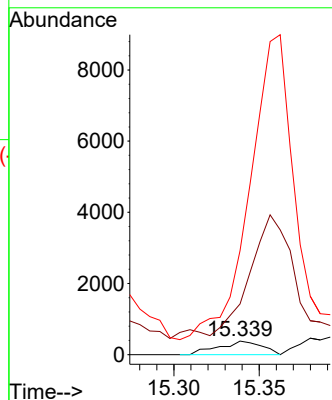
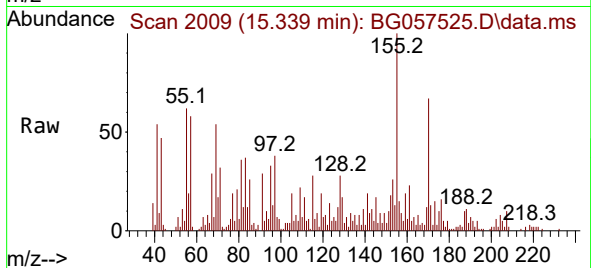
Tgt Ion:184 Resp: 674

Ion Ratio Lower Upper

184 100

63 373.6 48.2 72.4#

154 764.9 55.4 83.2#



#56

4-Nitrophenol

Concen: 14.450 ng

RT: 15.174 min Scan# 1981

Delta R.T. -0.008 min

Lab File: BG057525.D

Acq: 23 May 2023 18:41

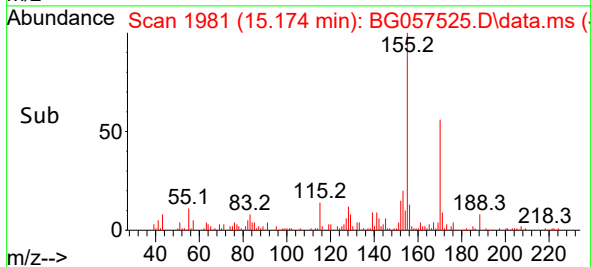
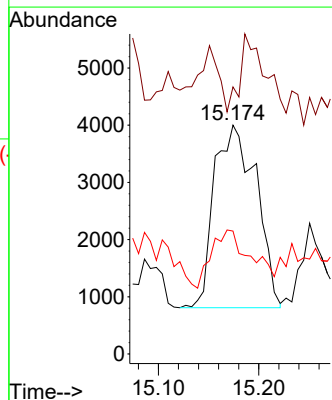
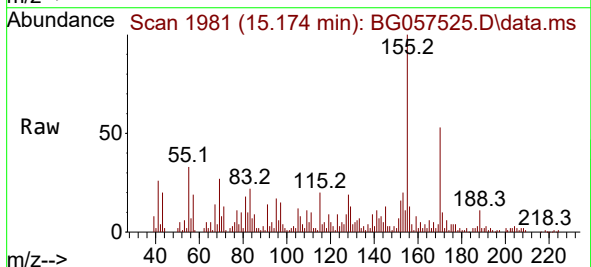
Tgt Ion:139 Resp: 9314

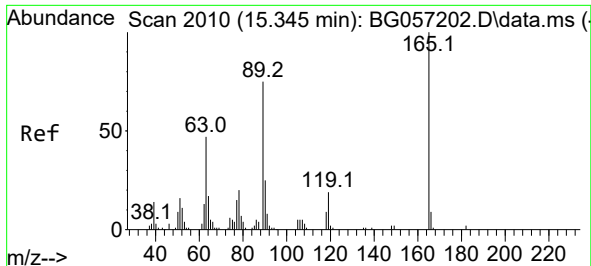
Ion Ratio Lower Upper

139 100

109 116.8 86.6 126.6

65 53.7 102.6 142.6#





#57

2,4-Dinitrotoluene

Concen: 4.668 ng

RT: 15.356 min Scan# 2010

Delta R.T. 0.028 min

Lab File: BG057525.D

Acq: 23 May 2023 18:41

Instrument :

BNA_G

ClientSampleId :

TP-32

Tgt Ion:165 Resp: 6454

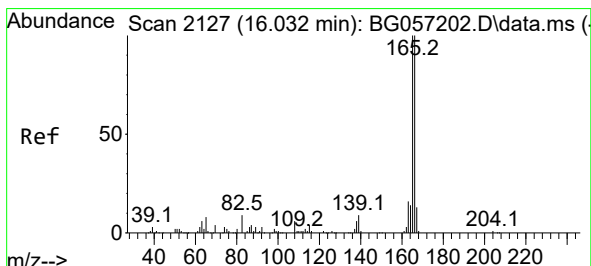
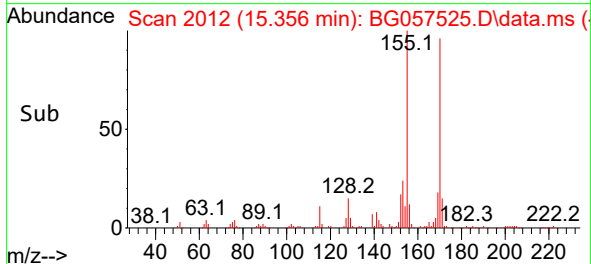
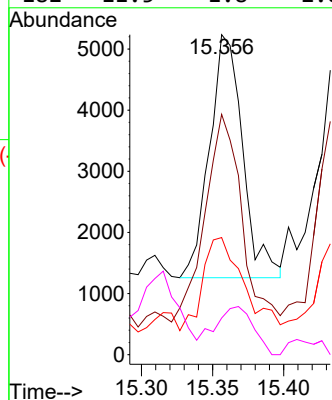
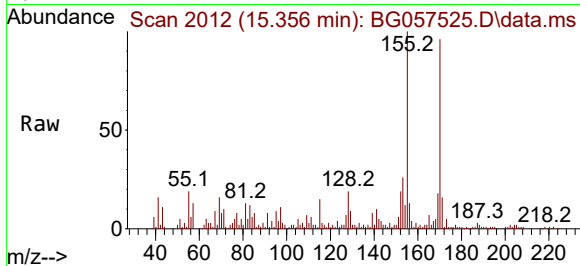
Ion Ratio Lower Upper

165 100

63 75.1 37.5 56.3#

89 36.6 60.2 90.4#

182 11.5 1.8 2.8#



#58

Fluorene

Concen: 4.861 ng

RT: 16.020 min Scan# 2125

Delta R.T. 0.004 min

Lab File: BG057525.D

Acq: 23 May 2023 18:41

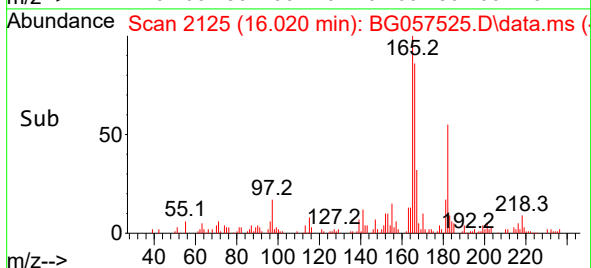
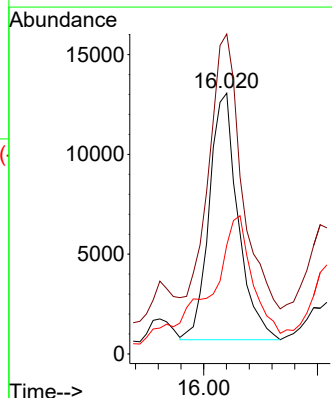
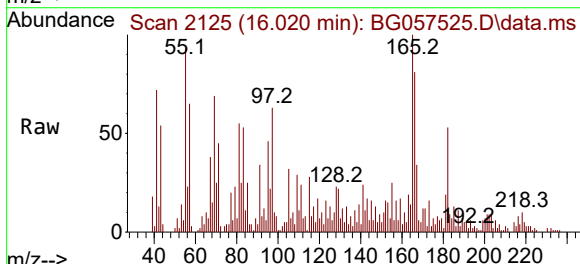
Tgt Ion:166 Resp: 21729

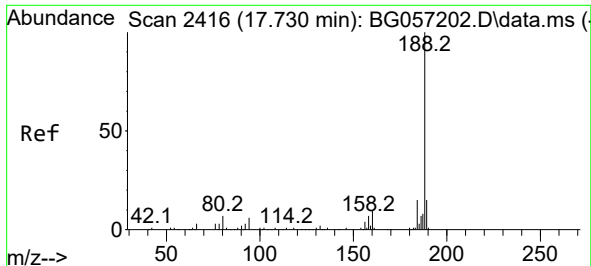
Ion Ratio Lower Upper

166 100

165 122.7 80.1 120.1#

167 41.7 10.2 15.2#

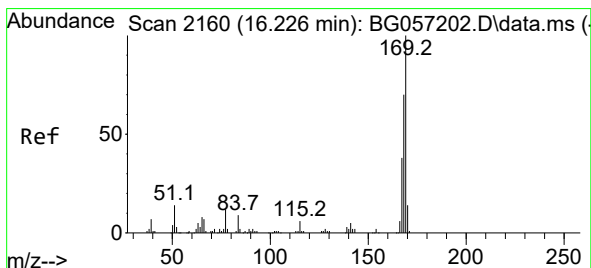
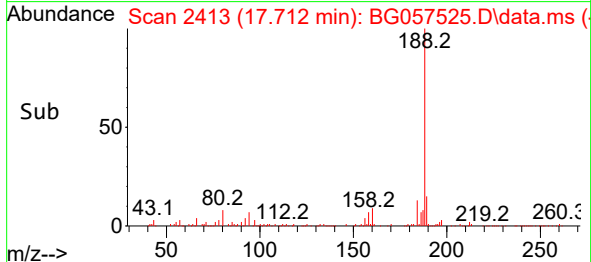
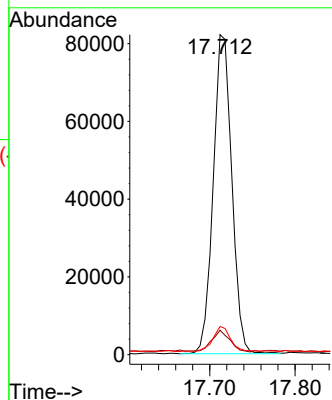
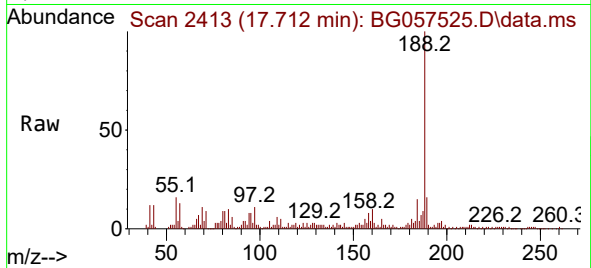




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.712 min Scan# 2416
Delta R.T. -0.002 min
Lab File: BG057525.D
Acq: 23 May 2023 18:41

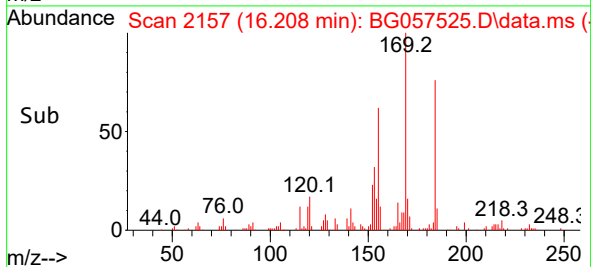
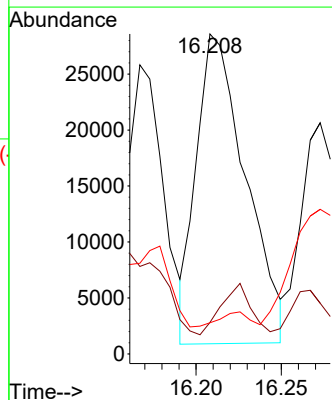
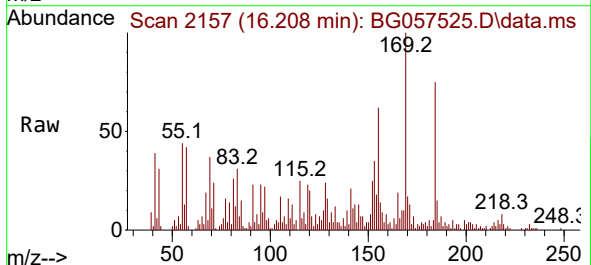
Instrument :
BNA_G
ClientSampleId :
TP-32

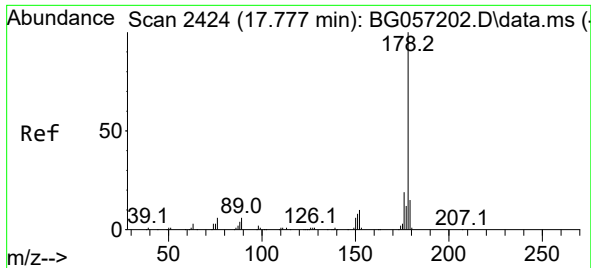
Tgt Ion:188 Resp: 124111
Ion Ratio Lower Upper
188 100
94 7.7 5.1 7.7
80 8.8 5.7 8.5#



#66
n-Nitrosodiphenylamine
Concen: 16.432 ng
RT: 16.208 min Scan# 2157
Delta R.T. -0.002 min
Lab File: BG057525.D
Acq: 23 May 2023 18:41

Tgt Ion:169 Resp: 55391
Ion Ratio Lower Upper
169 100
168 9.8 56.2 84.4#
167 9.7 30.2 45.4#

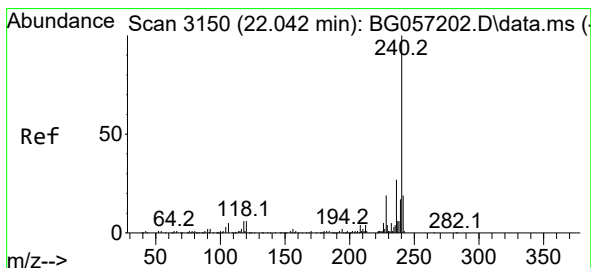
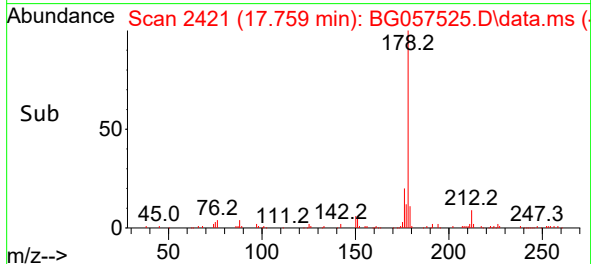
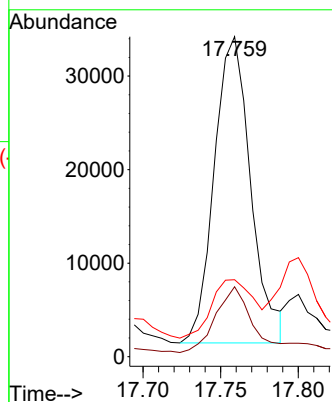
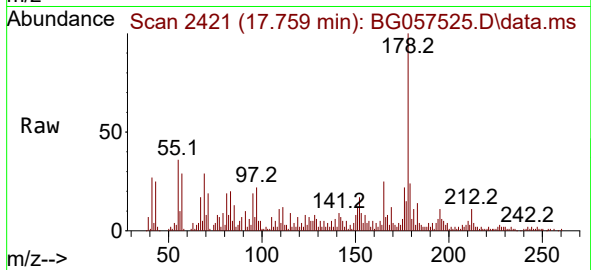




#71
Phenanthrene
Concen: 8.414 ng
RT: 17.759 min Scan# 2421
Delta R.T. 0.004 min
Lab File: BG057525.D
Acq: 23 May 2023 18:41

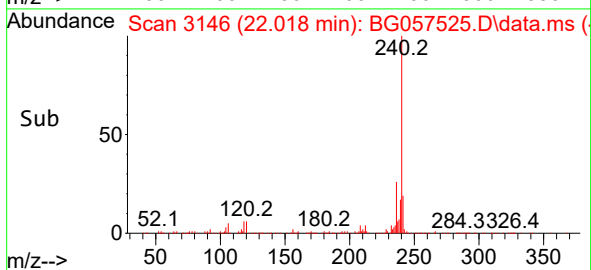
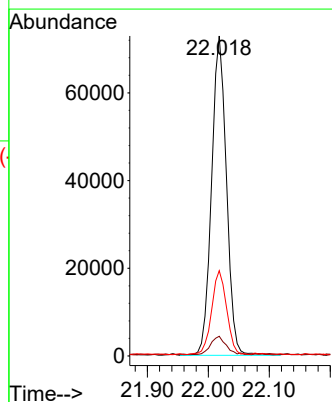
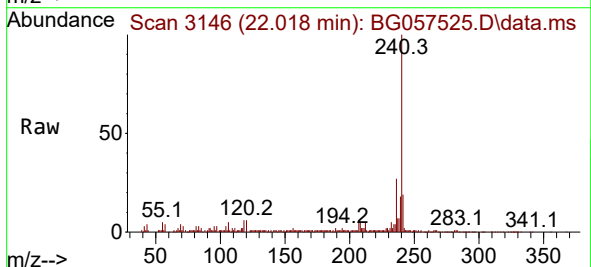
Instrument :
BNA_G
ClientSampleId :
TP-32

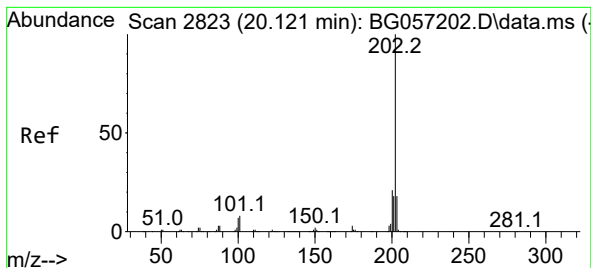
Tgt Ion:178 Resp: 53512
Ion Ratio Lower Upper
178 100
176 21.9 15.4 23.2
179 24.1 12.3 18.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.018 min Scan# 3146
Delta R.T. -0.002 min
Lab File: BG057525.D
Acq: 23 May 2023 18:41

Tgt Ion:240 Resp: 123688
Ion Ratio Lower Upper
240 100
120 6.1 4.9 7.3
236 26.6 21.4 32.2





#78

Pyrene

Concen: 3.265 ng

RT: 20.109 min Scan# 2

Delta R.T. 0.004 min

Lab File: BG057525.D

Acq: 23 May 2023 18:41

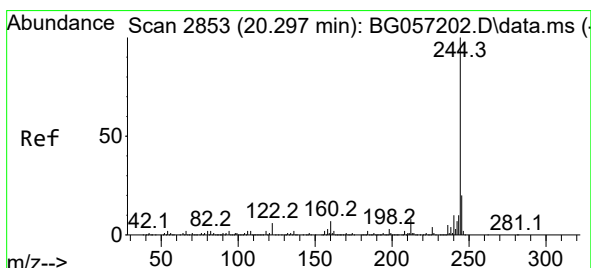
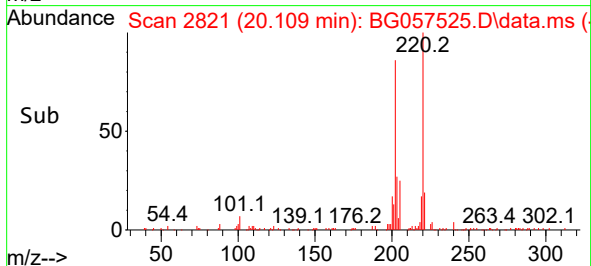
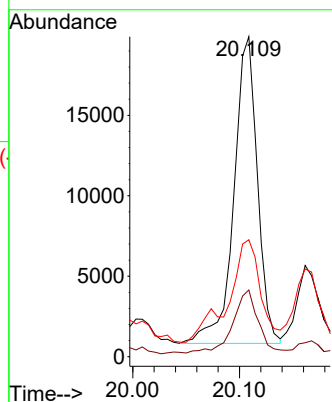
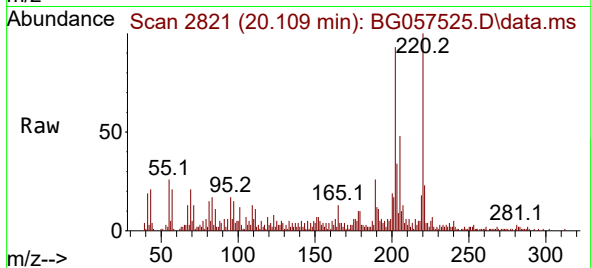
Instrument :

BNA_G

ClientSampleId :

TP-32

Tgt Ion:202 Resp: 29348
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.0 25.4
 203 36.6 14.2 21.4#



#79

Terphenyl-d14

Concen: 52.581 ng

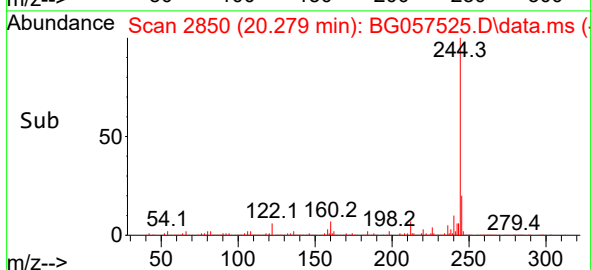
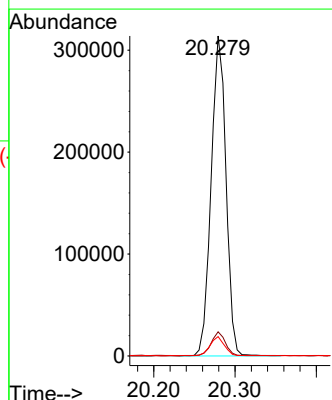
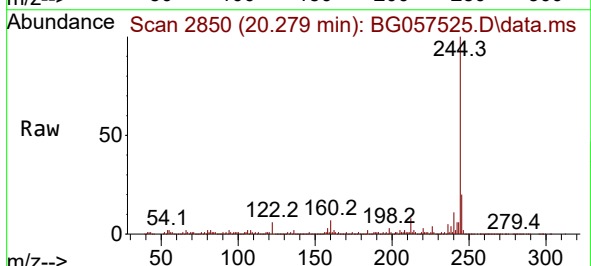
RT: 20.279 min Scan# 2850

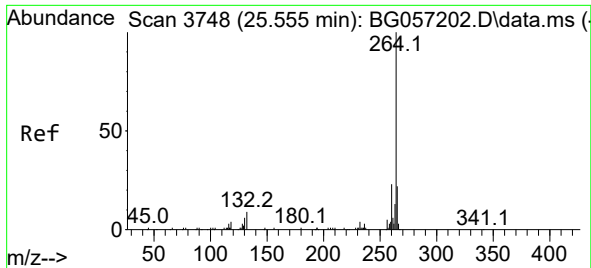
Delta R.T. -0.002 min

Lab File: BG057525.D

Acq: 23 May 2023 18:41

Tgt Ion:244 Resp: 398525
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 6.1 5.1 7.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.519 min Scan# 31
 Delta R.T. 0.004 min
 Lab File: BG057525.D
 Acq: 23 May 2023 18:41

Instrument :
 BNA_G
 ClientSampleId :
 TP-32

Tgt Ion:264 Resp: 139643
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.8 28.2
 265 23.2 17.9 26.9

