

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041023\
 Data File : BG057047.D
 Acq On : 10 Apr 2023 16:13
 Operator : CG/JU
 Sample : 02260-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-1B

Quant Time: Apr 11 04:13:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 08 04:45:47 2023
 Response via : Initial Calibration

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

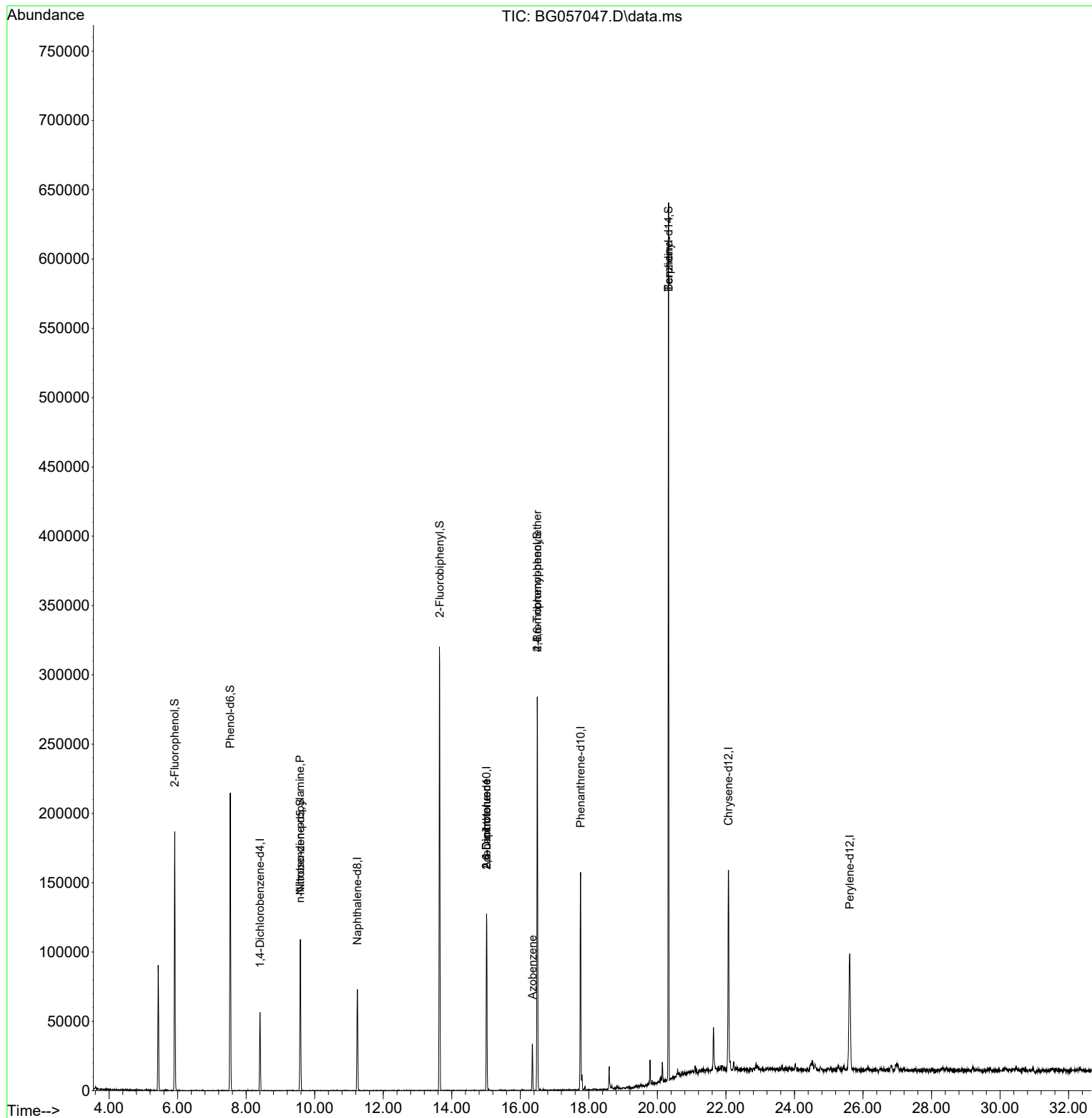
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.407	152	15775	20.000	ng	0.00
21) Naphthalene-d8	11.245	136	62779	20.000	ng	0.00
39) Acenaphthene-d10	15.016	164	44829	20.000	ng	# 0.00
64) Phenanthrene-d10	17.759	188	105670	20.000	ng	0.00
76) Chrysene-d12	22.077	240	93242	20.000	ng	0.00
86) Perylene-d12	25.613	264	101110	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.917	112	77160	78.282	ng	0.00
7) Phenol-d6	7.538	99	121436	82.375	ng	0.00
23) Nitrobenzene-d5	9.582	82	69855	45.530	ng	0.00
42) 2,4,6-Tribromophenol	16.496	330	59002	82.387	ng	0.00
45) 2-Fluorobiphenyl	13.647	172	167173	50.567	ng	0.00
79) Terphenyl-d14	20.326	244	317781	57.671	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.576	70	9485	8.995	ng	# 75
51) 2,6-Dinitrotoluene	15.016	165	5717	7.491	ng	# 20
57) 2,4-Dinitrotoluene	15.016	165	5717	5.311	ng	# 21
63) Azobenzene	16.355	77	10300	2.919	ng	# 1
67) 4-Bromophenyl-phenylether	16.496	248	3572	2.732	ng	# 1
77) Benzidine	20.326	184	5113	2.006	ng	# 94

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

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Data File : BG057047.D
Acq On : 10 Apr 2023 16:13
Operator : CG/JU
Sample : 02260-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-1B

Quant Time: Apr 11 04:13:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 08 04:45:47 2023
Response via : Initial Calibration

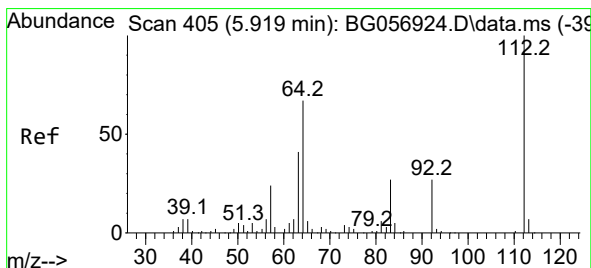
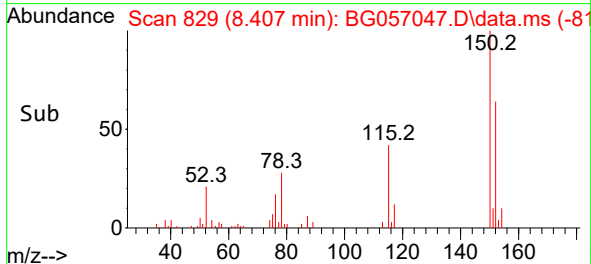
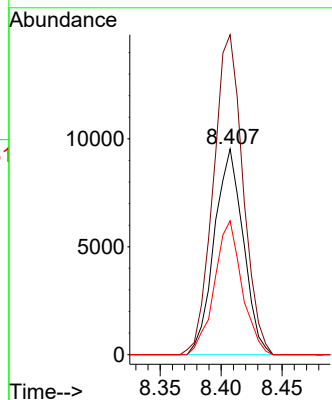
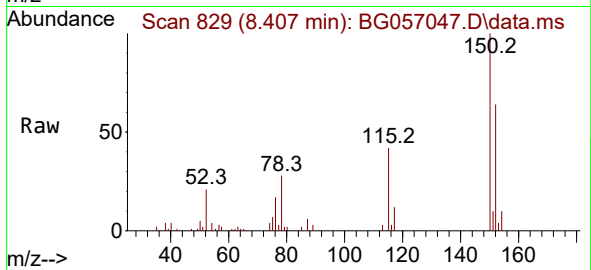




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.407 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG057047.D
Acq: 10 Apr 2023 16:13

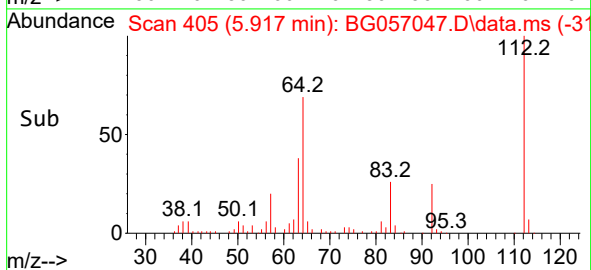
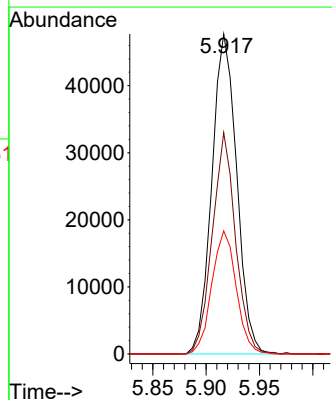
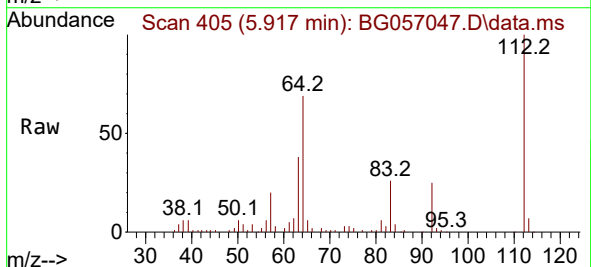
Instrument :
BNA_G
ClientSampleId :
SP-1B

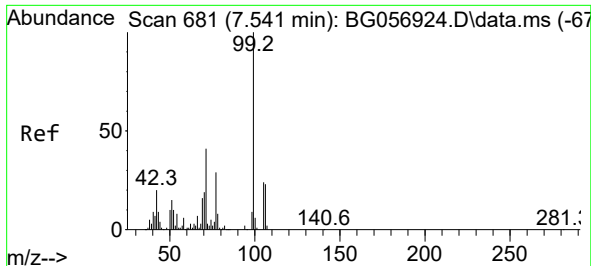
Tgt Ion:152 Resp: 15775
Ion Ratio Lower Upper
152 100
150 155.5 124.1 186.1
115 65.1 49.1 73.7



#5
2-Fluorophenol
Concen: 78.282 ng
RT: 5.917 min Scan# 405
Delta R.T. -0.000 min
Lab File: BG057047.D
Acq: 10 Apr 2023 16:13

Tgt Ion:112 Resp: 77160
Ion Ratio Lower Upper
112 100
64 69.1 53.2 79.8
63 38.5 32.6 48.8

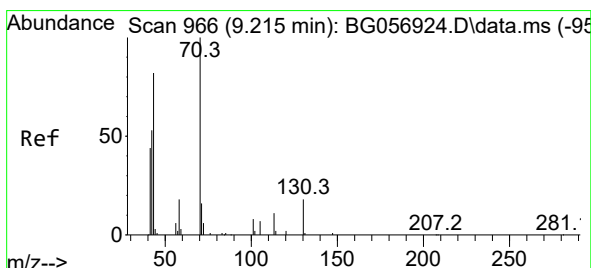
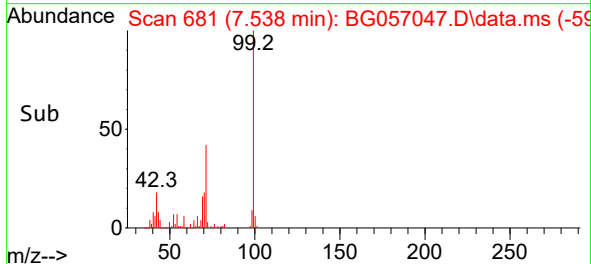
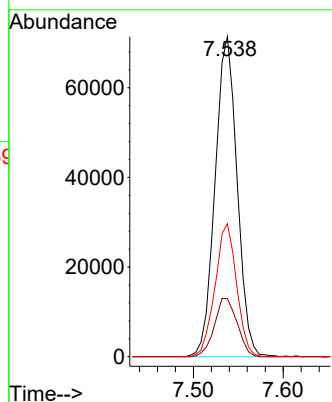
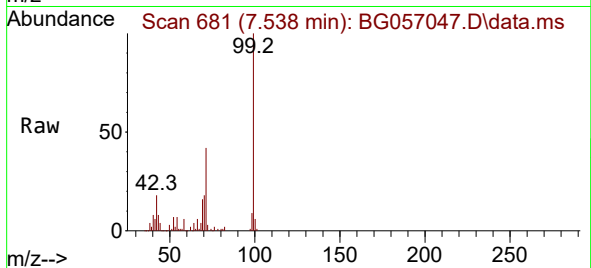




#7
Phenol-d6
Concen: 82.375 ng
RT: 7.538 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG057047.D
Acq: 10 Apr 2023 16:13

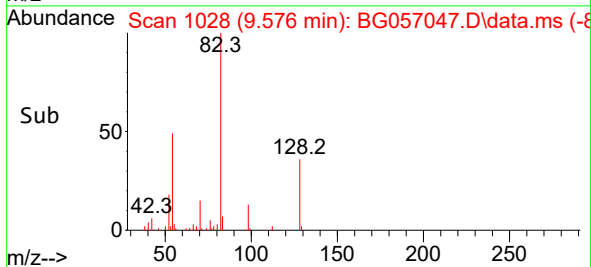
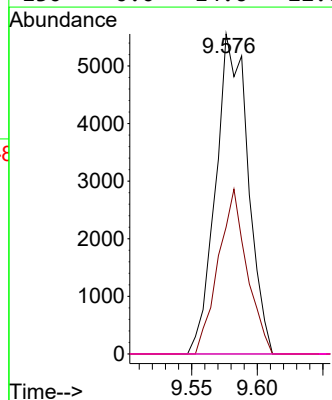
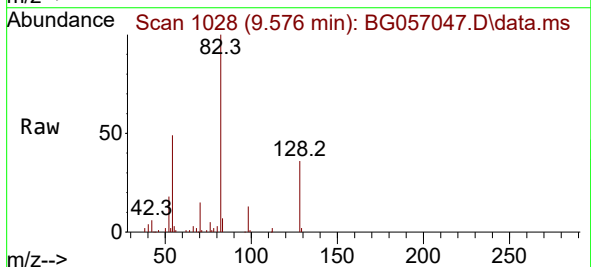
Instrument :
BNA_G
ClientSampleId :
SP-1B

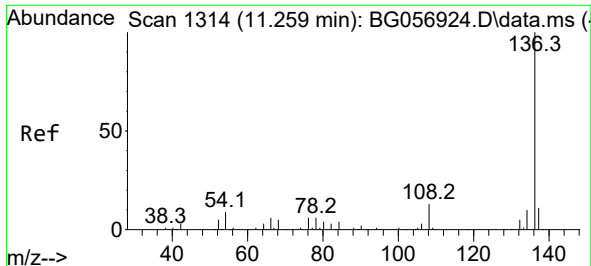
Tgt Ion: 99 Resp: 121436
Ion Ratio Lower Upper
99 100
42 18.1 15.7 23.5
71 41.5 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 8.995 ng
RT: 9.576 min Scan# 1028
Delta R.T. 0.364 min
Lab File: BG057047.D
Acq: 10 Apr 2023 16:13

Tgt Ion: 70 Resp: 9485
Ion Ratio Lower Upper
70 100
42 39.6 43.4 65.0#
101 0.0 6.2 9.2#
130 0.0 14.6 22.0#

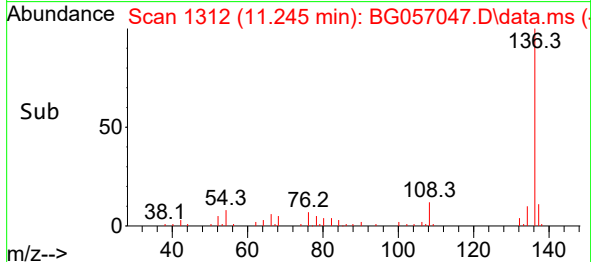
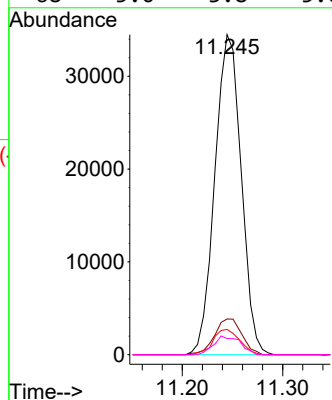
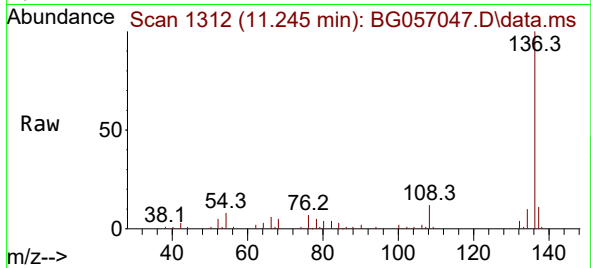




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG057047.D
Acq: 10 Apr 2023 16:13

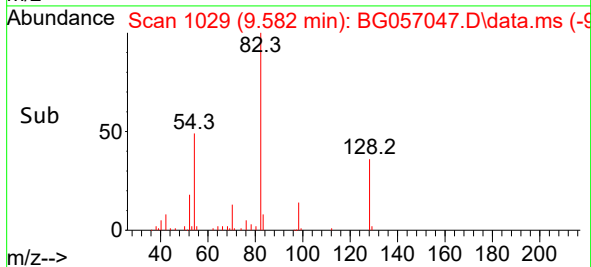
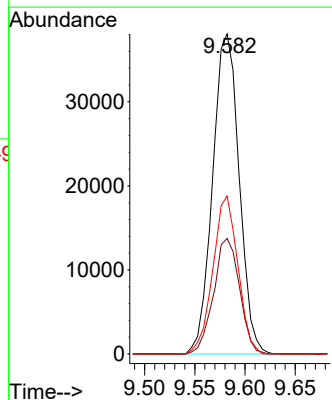
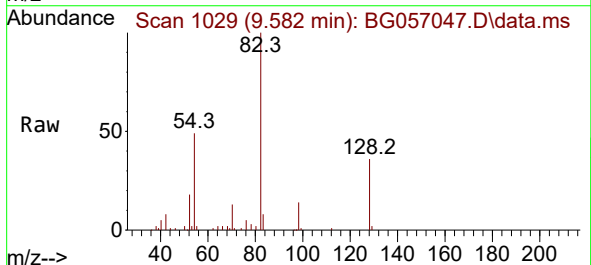
Instrument :
BNA_G
ClientSampleId :
SP-1B

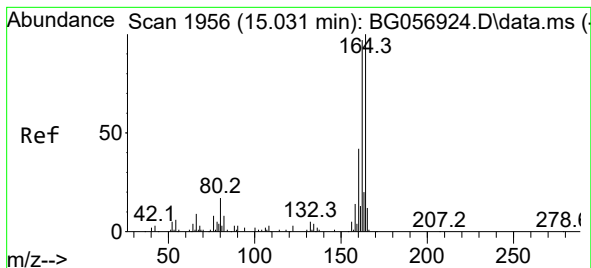
Tgt Ion:	136	Resp:	62779
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	7.9	6.9	10.3
68	5.0	3.8	5.6



#23
Nitrobenzene-d5
Concen: 45.530 ng
RT: 9.582 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BG057047.D
Acq: 10 Apr 2023 16:13

Tgt Ion:	82	Resp:	69855
Ion Ratio	Lower	Upper	
82	100		
128	36.1	27.9	41.9
54	49.3	39.4	59.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.016 min Scan# 1954

Delta R.T. -0.006 min

Lab File: BG057047.D

Acq: 10 Apr 2023 16:13

Instrument :

BNA_G

ClientSampleId :

SP-1B

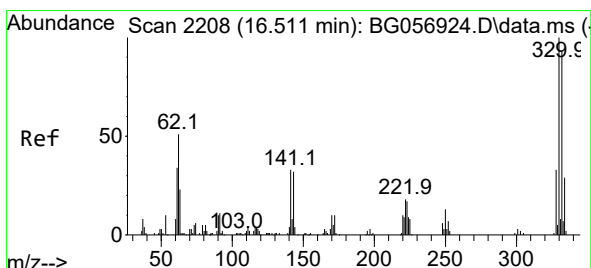
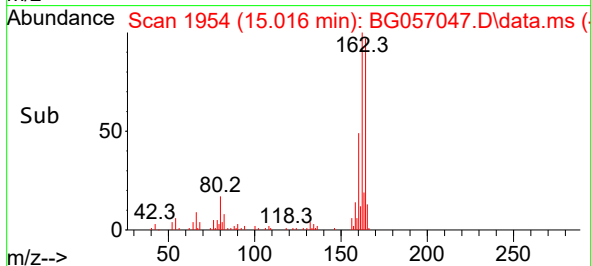
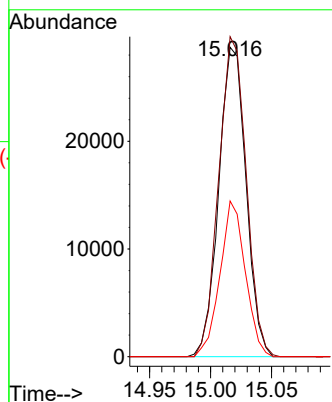
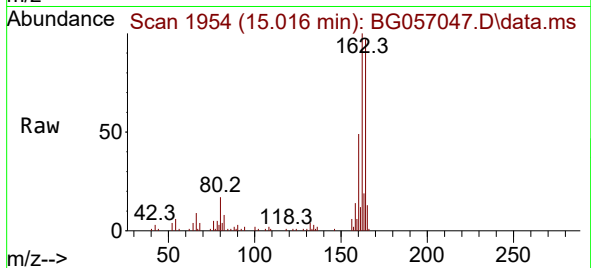
Tgt Ion:164 Resp: 44829

Ion Ratio Lower Upper

164 100

162 103.4 77.8 116.8

160 50.3 33.5 50.3#



#42

2,4,6-Tribromophenol

Concen: 82.387 ng

RT: 16.496 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BG057047.D

Acq: 10 Apr 2023 16:13

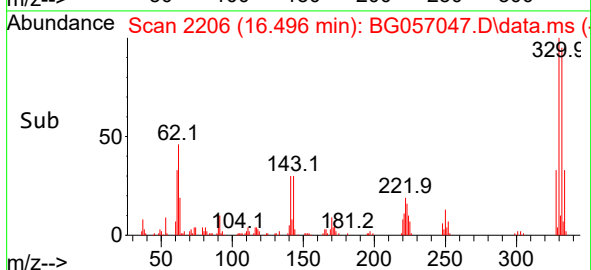
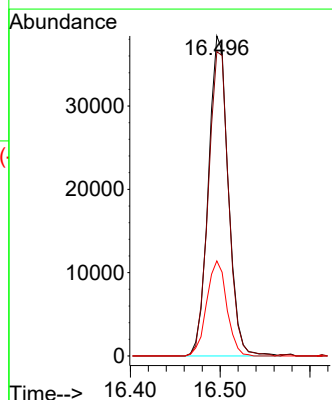
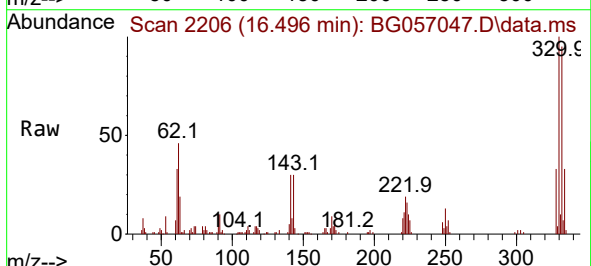
Tgt Ion:330 Resp: 59002

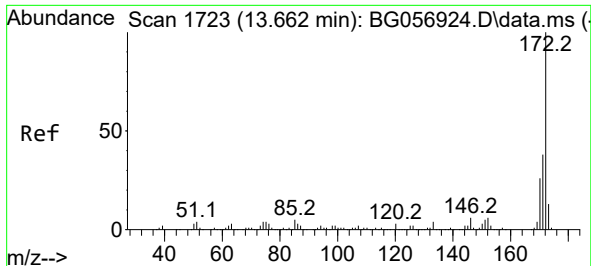
Ion Ratio Lower Upper

330 100

332 96.7 76.1 114.1

141 30.0 25.8 38.6

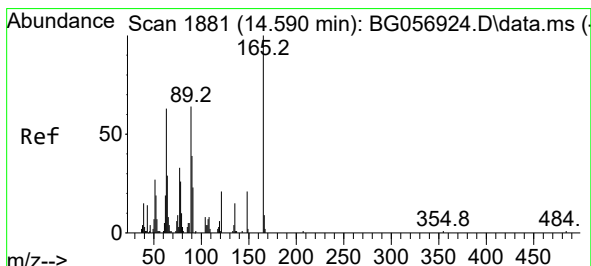
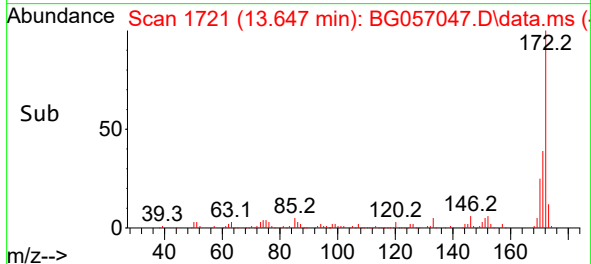
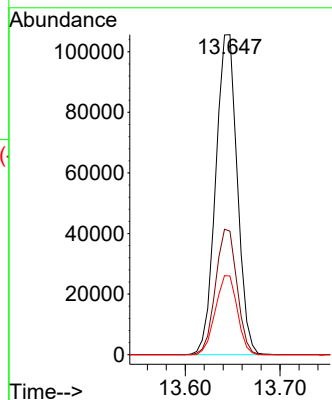
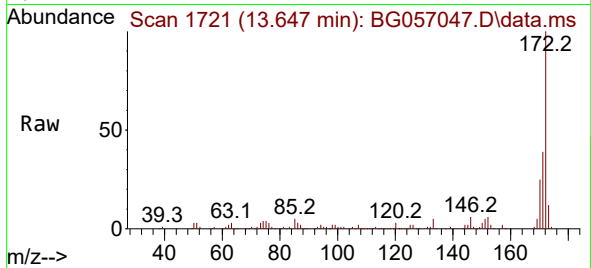




#45
2-Fluorobiphenyl
Concen: 50.567 ng
RT: 13.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG057047.D
Acq: 10 Apr 2023 16:13

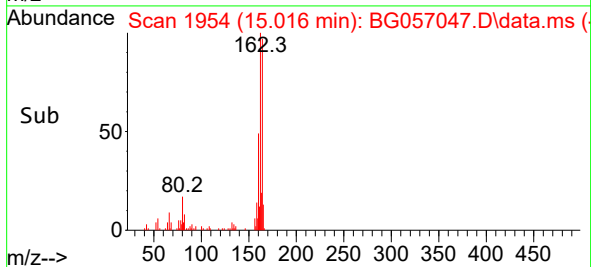
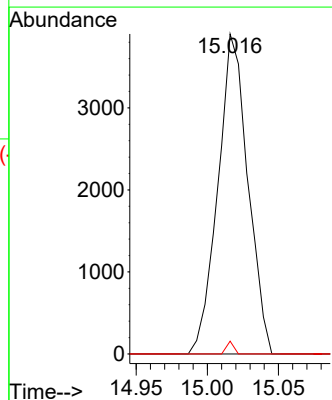
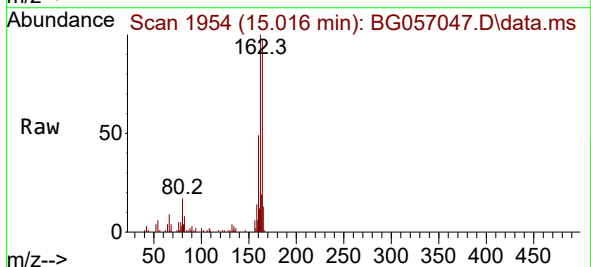
Instrument :
BNA_G
ClientSampleId :
SP-1B

Tgt Ion:172 Resp: 167173
Ion Ratio Lower Upper
172 100
171 38.6 30.6 46.0
170 24.6 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 7.491 ng
RT: 15.016 min Scan# 1954
Delta R.T. 0.428 min
Lab File: BG057047.D
Acq: 10 Apr 2023 16:13

Tgt Ion:165 Resp: 5717
Ion Ratio Lower Upper
165 100
63 0.0 53.0 79.6#
89 4.0 51.0 76.4#





#57

2,4-Dinitrotoluene

Concen: 5.311 ng

RT: 15.016 min Scan# 1954

Delta R.T. -0.353 min

Lab File: BG057047.D

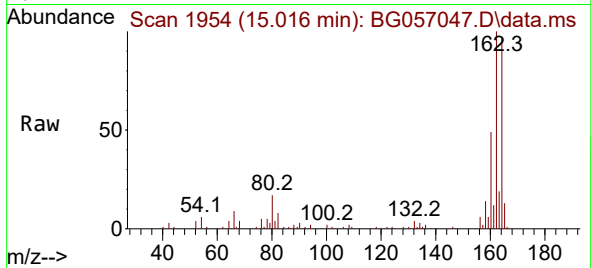
Acq: 10 Apr 2023 16:13

Instrument :

BNA_G

ClientSampleId :

SP-1B



Tgt Ion:165 Resp: 5717

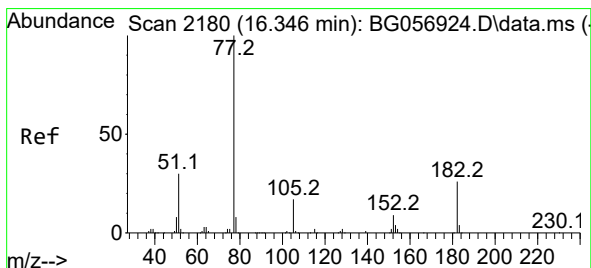
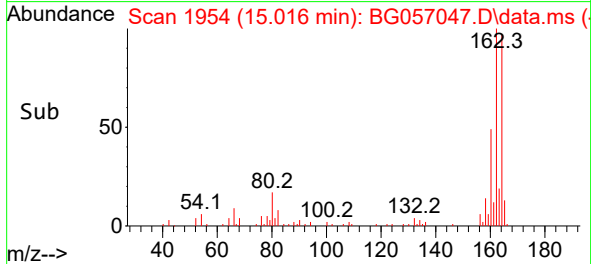
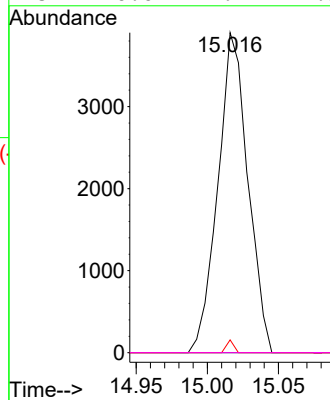
Ion Ratio Lower Upper

165 100

63 0.0 37.7 56.5#

89 4.0 63.2 94.8#

182 0.0 1.7 2.5#



#63

Azobenzene

Concen: 2.919 ng

RT: 16.355 min Scan# 2182

Delta R.T. 0.017 min

Lab File: BG057047.D

Acq: 10 Apr 2023 16:13

Tgt Ion: 77 Resp: 10300

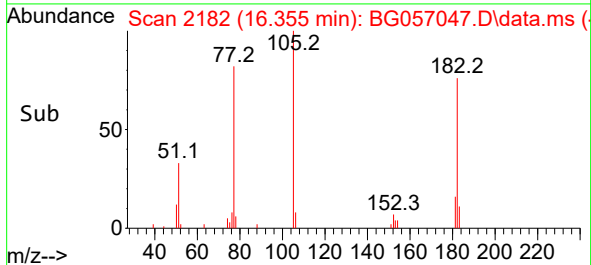
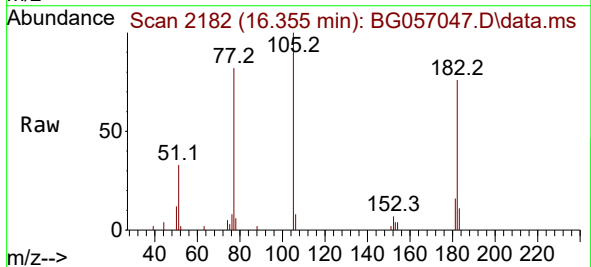
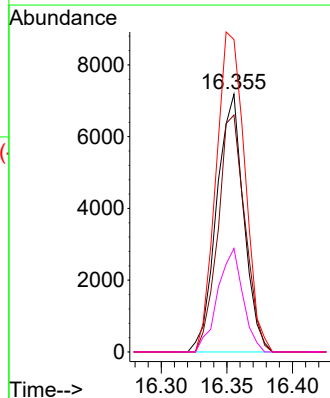
Ion Ratio Lower Upper

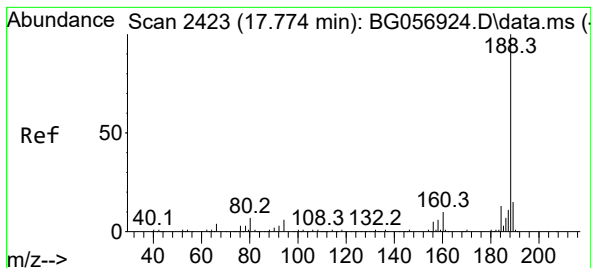
77 100

182 91.9 5.9 45.9#

105 121.2 0.0 36.8#

51 40.2 10.3 50.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.759 min Scan# 24

Delta R.T. -0.000 min

Lab File: BG057047.D

Acq: 10 Apr 2023 16:13

Instrument :

BNA_G

ClientSampleId :

SP-1B

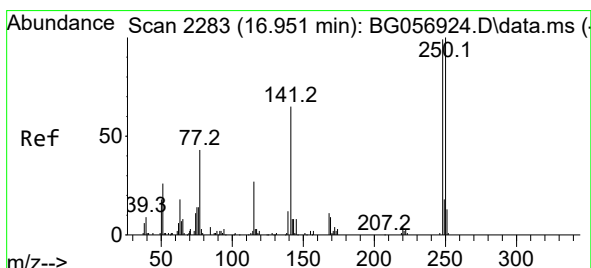
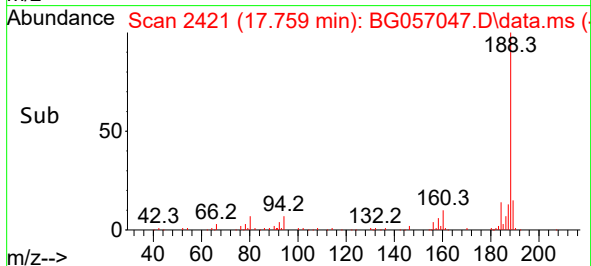
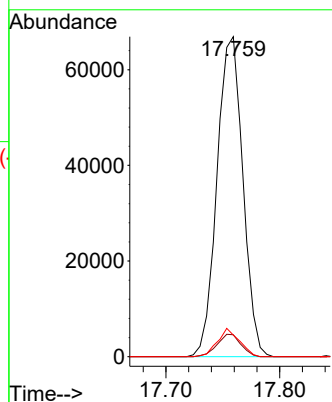
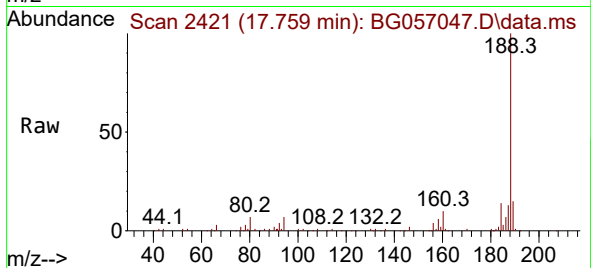
Tgt Ion:188 Resp: 105670

Ion Ratio Lower Upper

188 100

94 6.8 4.6 6.8

80 6.8 5.5 8.3



#67

4-Bromophenyl-phenylether

Concen: 2.732 ng

RT: 16.496 min Scan# 2206

Delta R.T. -0.441 min

Lab File: BG057047.D

Acq: 10 Apr 2023 16:13

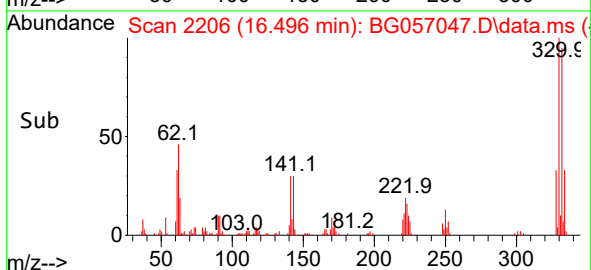
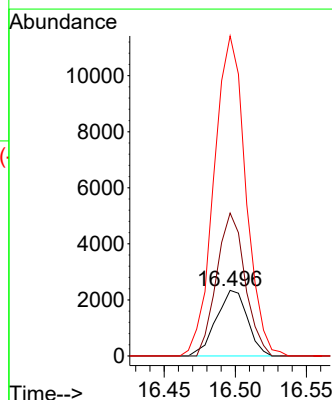
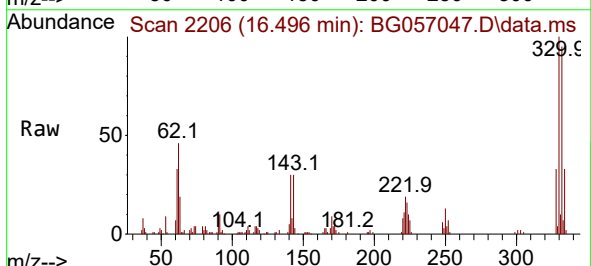
Tgt Ion:248 Resp: 3572

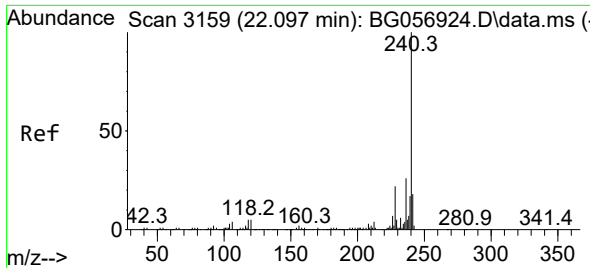
Ion Ratio Lower Upper

248 100

250 218.1 80.5 120.7#

141 488.3 52.0 78.0#

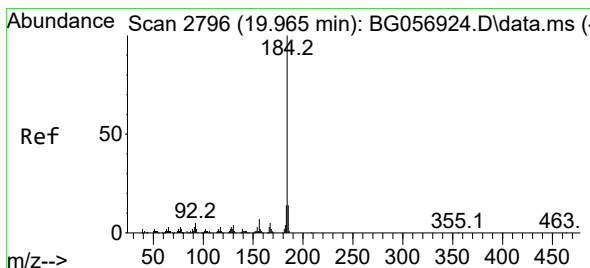
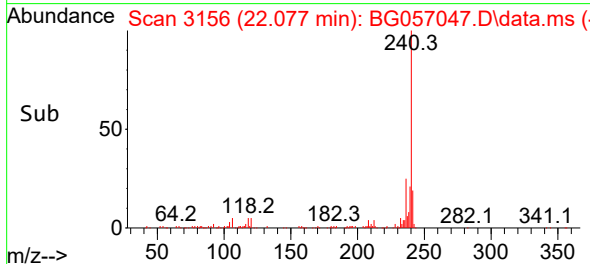
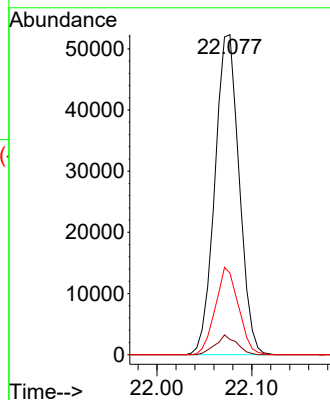
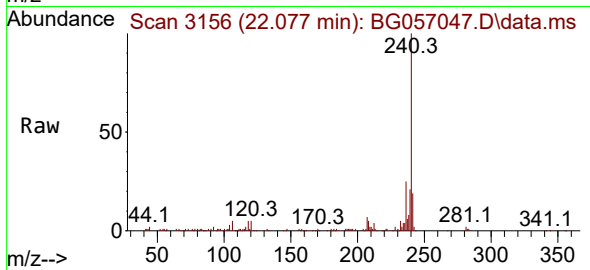




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.077 min Scan# 3159
Delta R.T. -0.006 min
Lab File: BG057047.D
Acq: 10 Apr 2023 16:13

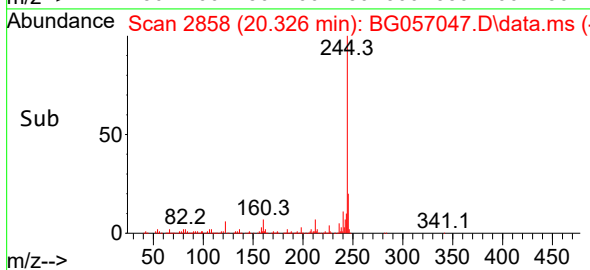
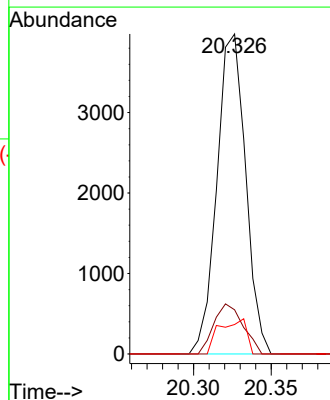
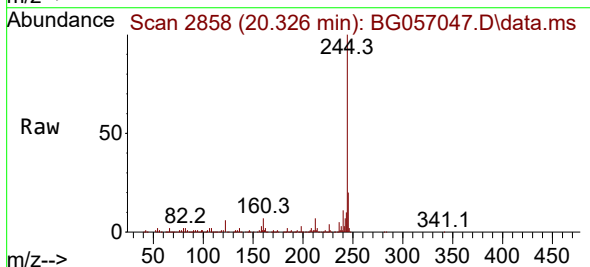
Instrument :
BNA_G
ClientSampleId :
SP-1B

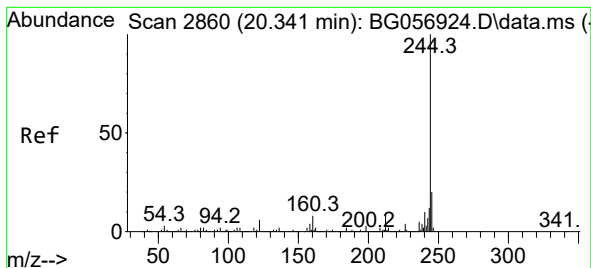
Tgt Ion:240 Resp: 93242
Ion Ratio Lower Upper
240 100
120 4.7 3.8 5.6
236 25.5 21.0 31.6



#77
Benzidine
Concen: 2.006 ng
RT: 20.326 min Scan# 2858
Delta R.T. 0.376 min
Lab File: BG057047.D
Acq: 10 Apr 2023 16:13

Tgt Ion:184 Resp: 5113
Ion Ratio Lower Upper
184 100
185 13.8 11.0 16.4
183 9.2 11.4 17.0#





#79

Terphenyl-d14

Concen: 57.671 ng

RT: 20.326 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG057047.D

Acq: 10 Apr 2023 16:13

Instrument :

BNA_G

ClientSampleId :

SP-1B

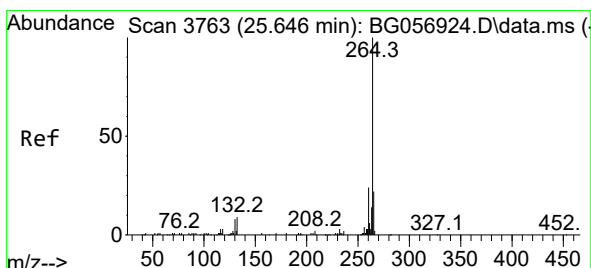
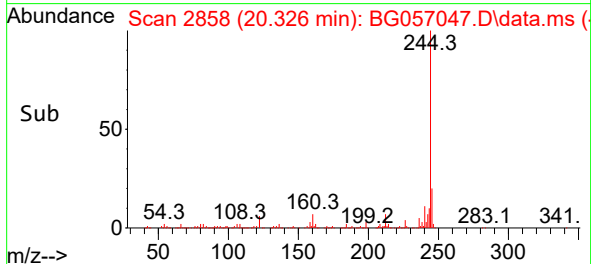
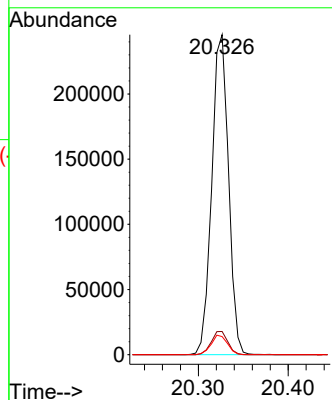
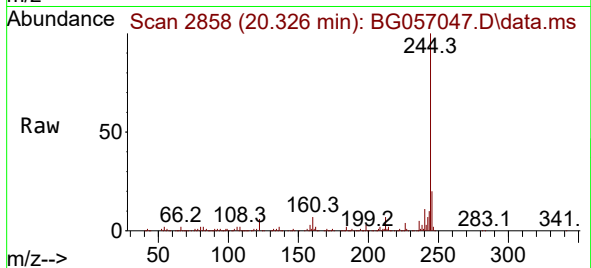
Tgt Ion:244 Resp: 317781

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 5.6 5.0 7.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.613 min Scan# 3758

Delta R.T. -0.018 min

Lab File: BG057047.D

Acq: 10 Apr 2023 16:13

Tgt Ion:264 Resp: 101110

Ion Ratio Lower Upper

264 100

260 25.5 19.0 28.4

265 20.4 17.8 26.6

