

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040723\
 Data File : BG057035.D
 Acq On : 7 Apr 2023 20:49
 Operator : CG/JU
 Sample : 02224-29
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OU3-FC-BACKFILL-15

Quant Time: Apr 08 04:52:20 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)

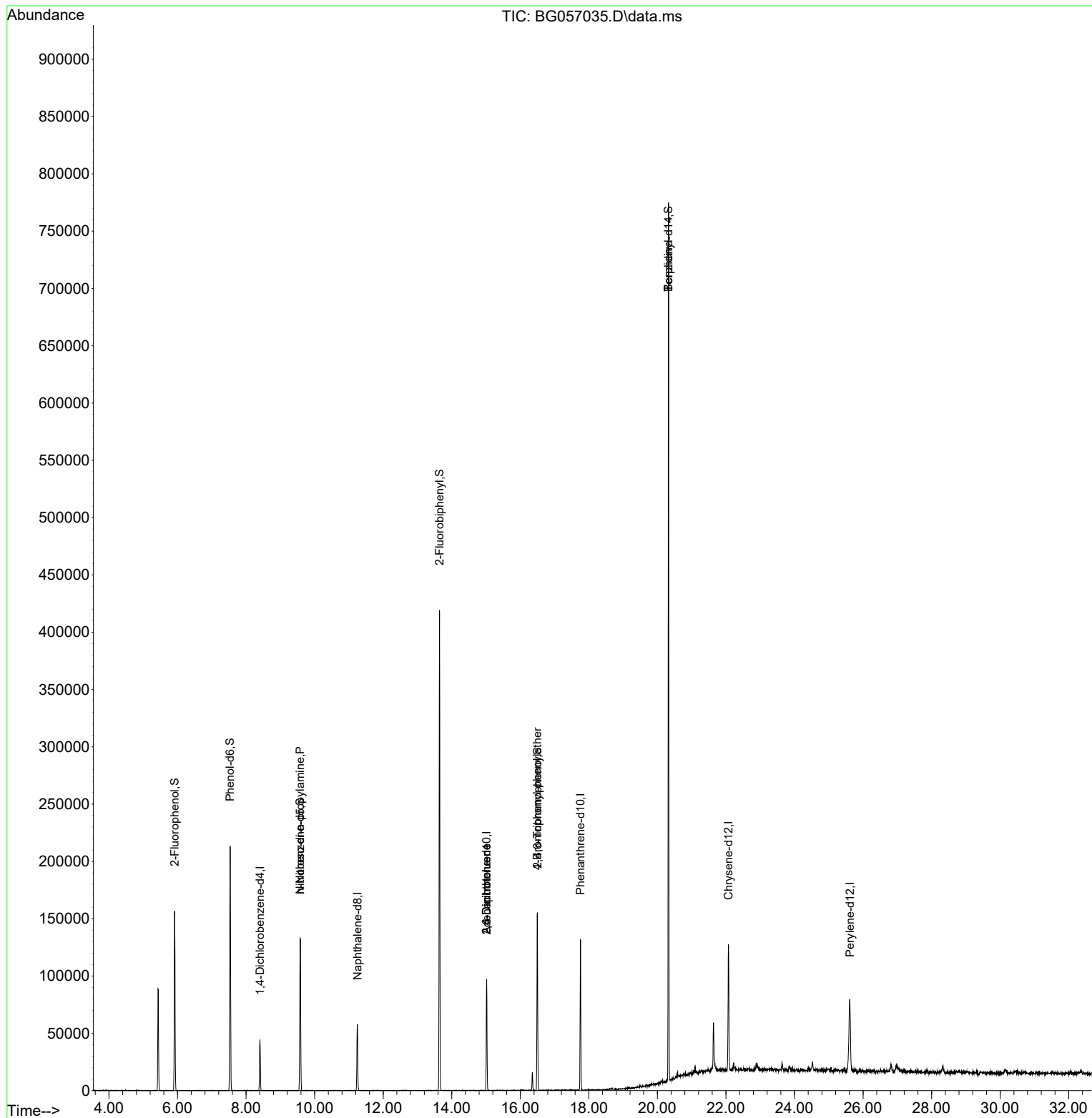
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.403	152	12303	20.000	ng	0.00
21) Naphthalene-d8	11.247	136	47179	20.000	ng	# 0.00
39) Acenaphthene-d10	15.018	164	34735	20.000	ng	0.00
64) Phenanthrene-d10	17.755	188	84654	20.000	ng	0.00
76) Chrysene-d12	22.073	240	70803	20.000	ng	-0.01
86) Perylene-d12	25.615	264	75262	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.913	112	66629	86.675	ng	0.00
7) Phenol-d6	7.534	99	124506	108.292	ng	0.00
23) Nitrobenzene-d5	9.578	82	87401	75.802	ng	-0.01
42) 2,4,6-Tribromophenol	16.498	330	34120	61.488	ng	0.00
45) 2-Fluorobiphenyl	13.643	172	208189	81.274	ng	0.00
79) Terphenyl-d14	20.323	244	376077	89.881	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.578	70	11905	14.477	ng	# 85
51) 2,6-Dinitrotoluene	15.018	165	4731	8.001	ng	# 18
57) 2,4-Dinitrotoluene	15.018	165	4731	5.673	ng	# 18
67) 4-Bromophenyl-phenylether	16.492	248	2253	2.151	ng	# 1
77) Benzidine	20.323	184	6056	3.129	ng	# 92

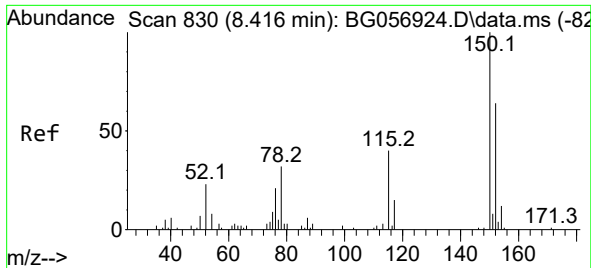
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 08 04:52:20 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

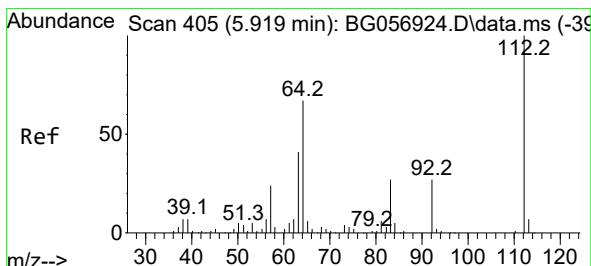
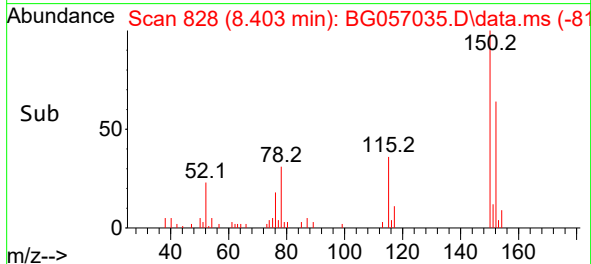
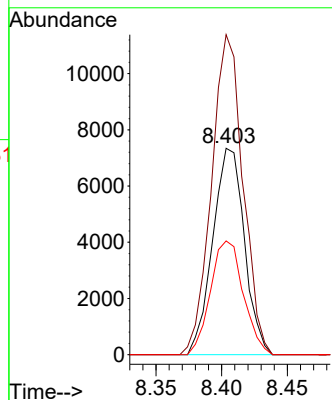
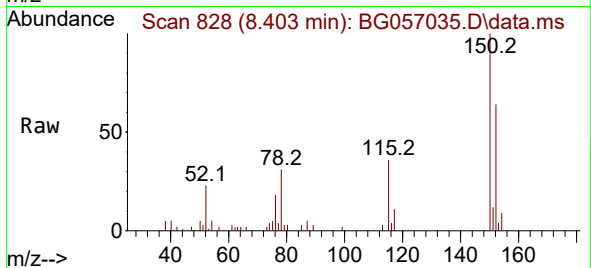




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.403 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG057035.D
Acq: 7 Apr 2023 20:49

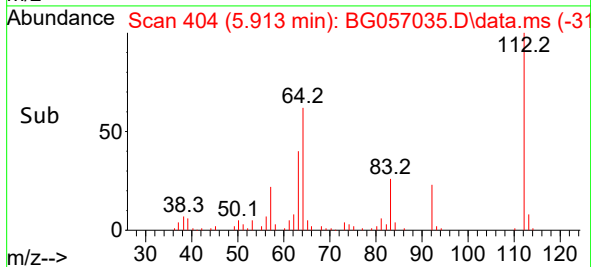
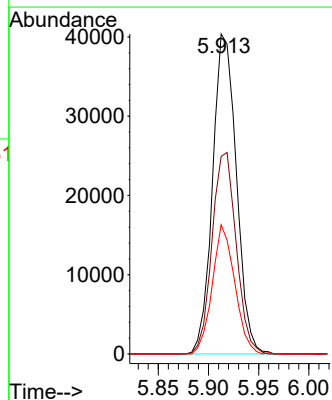
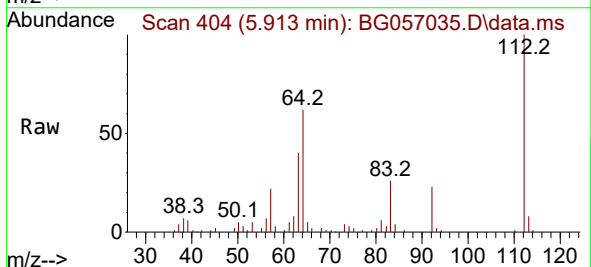
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-15

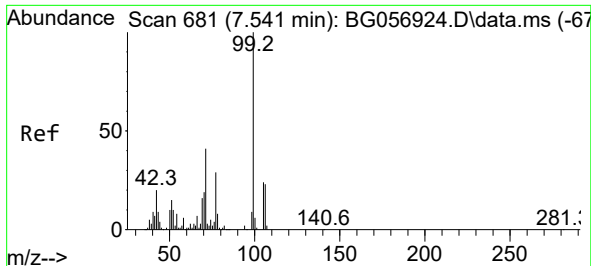
Tgt Ion:152 Resp: 12303
Ion Ratio Lower Upper
152 100
150 155.1 124.1 186.1
115 55.1 49.1 73.7



#5
2-Fluorophenol
Concen: 86.675 ng
RT: 5.913 min Scan# 404
Delta R.T. -0.004 min
Lab File: BG057035.D
Acq: 7 Apr 2023 20:49

Tgt Ion:112 Resp: 66629
Ion Ratio Lower Upper
112 100
64 61.7 53.2 79.8
63 40.4 32.6 48.8

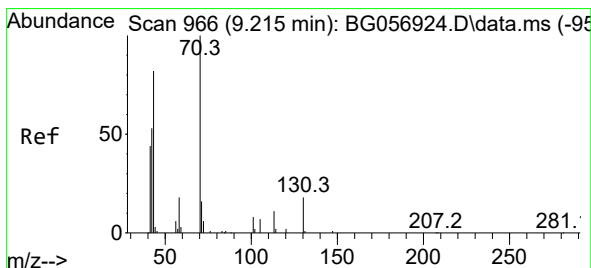
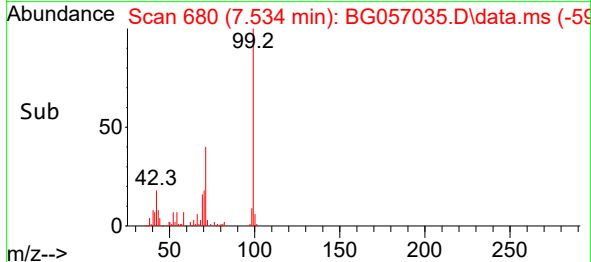
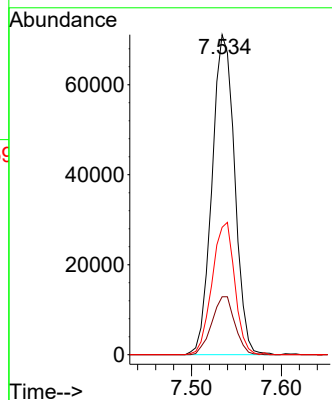
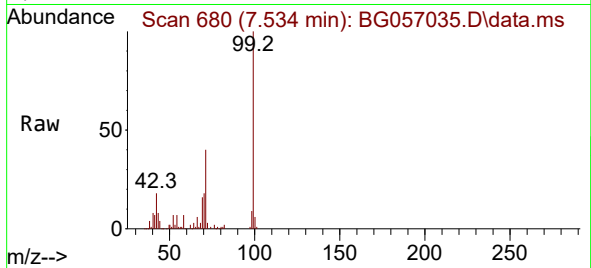




#7
Phenol-d6
Concen: 108.292 ng
RT: 7.534 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG057035.D
Acq: 7 Apr 2023 20:49

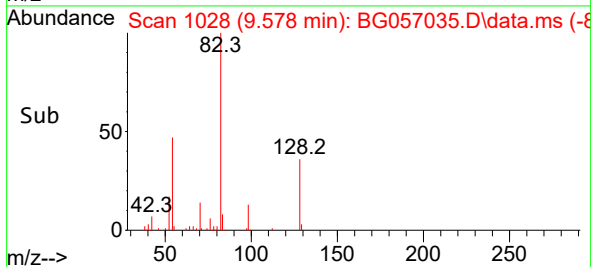
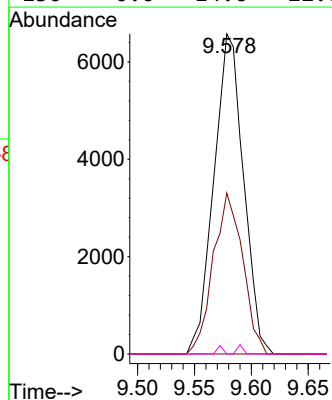
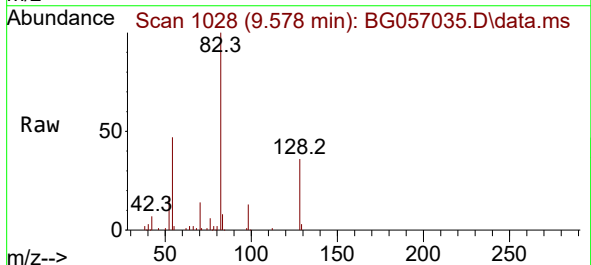
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-15

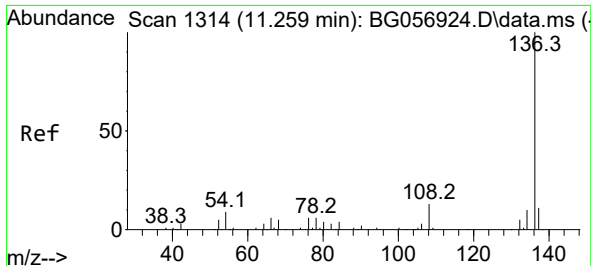
Tgt Ion: 99 Resp: 124506
Ion Ratio Lower Upper
99 100
42 18.1 15.7 23.5
71 39.8 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.477 ng
RT: 9.578 min Scan# 1028
Delta R.T. 0.366 min
Lab File: BG057035.D
Acq: 7 Apr 2023 20:49

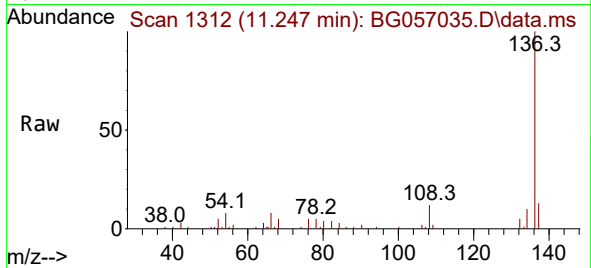
Tgt Ion: 70 Resp: 11905
Ion Ratio Lower Upper
70 100
42 50.3 43.4 65.0
101 0.0 6.2 9.2#
130 0.0 14.6 22.0#



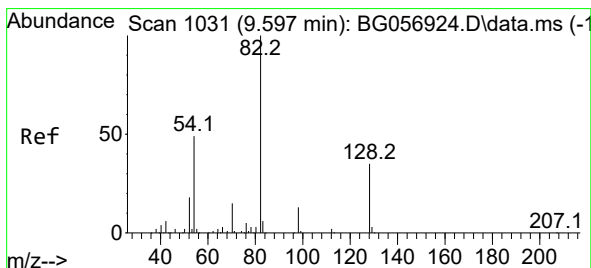
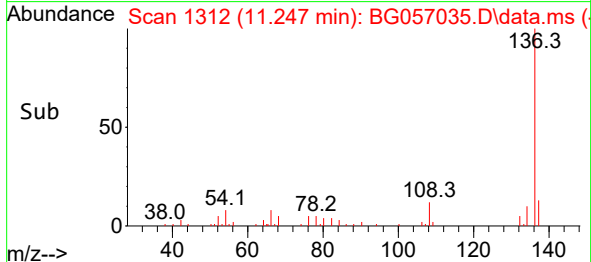
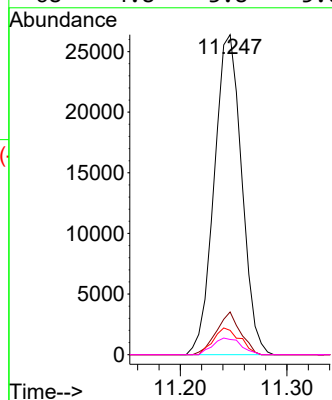


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.247 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG057035.D
Acq: 7 Apr 2023 20:49

Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-15

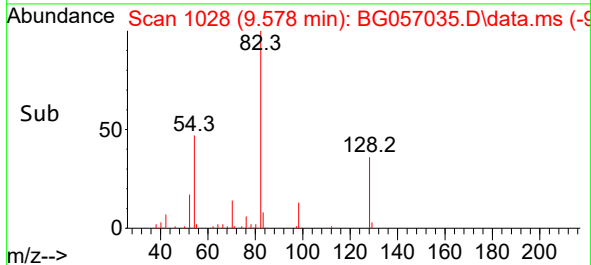
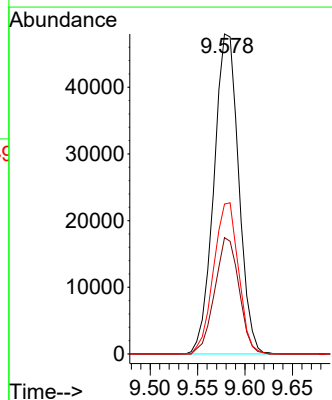
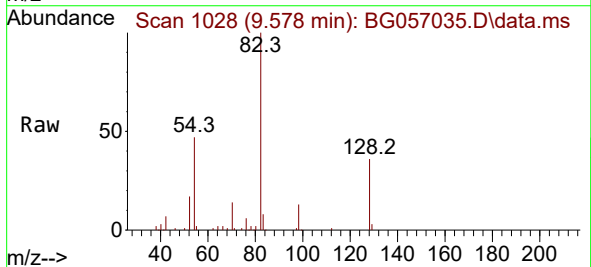


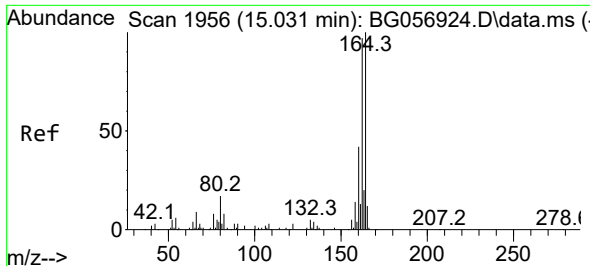
Tgt Ion:136 Resp: 47179
Ion Ratio Lower Upper
136 100
137 13.4 8.6 13.0#
54 7.6 6.9 10.3
68 4.8 3.8 5.6



#23
Nitrobenzene-d5
Concen: 75.802 ng
RT: 9.578 min Scan# 1028
Delta R.T. -0.010 min
Lab File: BG057035.D
Acq: 7 Apr 2023 20:49

Tgt Ion: 82 Resp: 87401
Ion Ratio Lower Upper
82 100
128 36.3 27.9 41.9
54 46.9 39.4 59.2

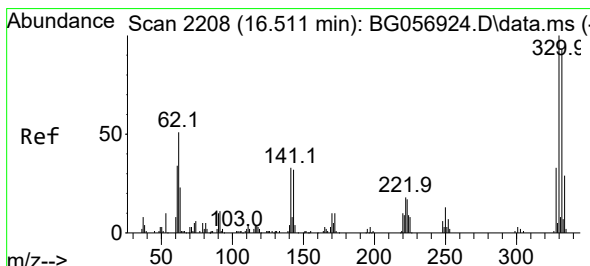
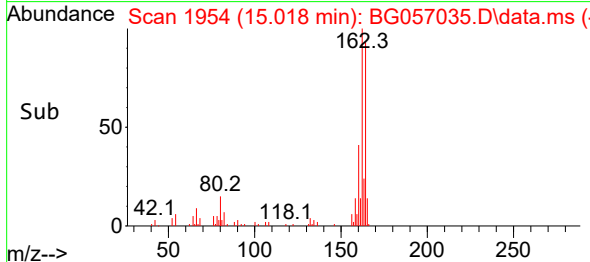
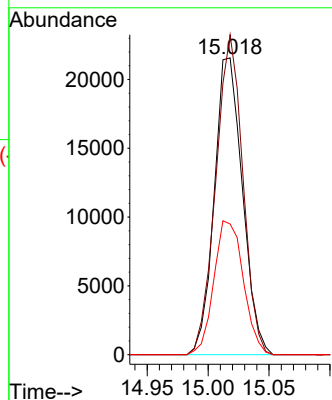
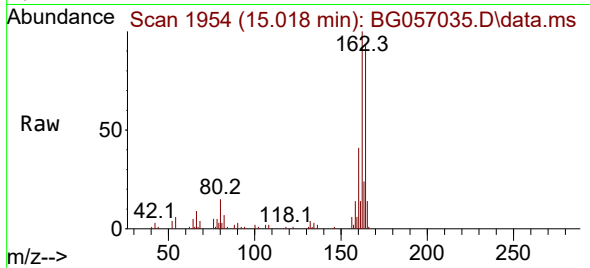




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.018 min Scan# 1954
Delta R.T. -0.004 min
Lab File: BG057035.D
Acq: 7 Apr 2023 20:49

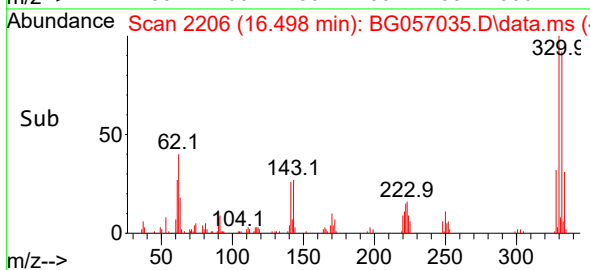
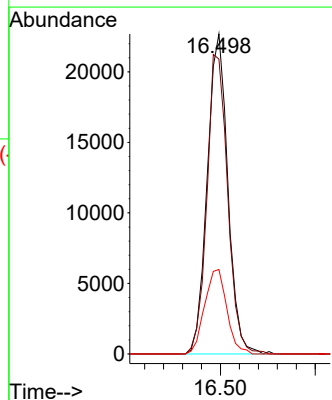
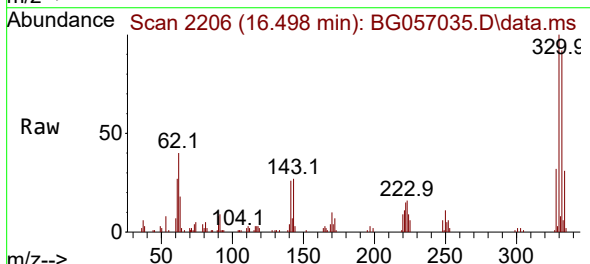
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-15

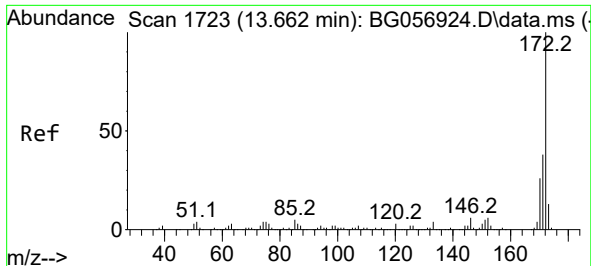
Tgt Ion:164 Resp: 34735
Ion Ratio Lower Upper
164 100
162 107.8 77.8 116.8
160 44.0 33.5 50.3



#42
2,4,6-Tribromophenol
Concen: 61.488 ng
RT: 16.498 min Scan# 2206
Delta R.T. -0.004 min
Lab File: BG057035.D
Acq: 7 Apr 2023 20:49

Tgt Ion:330 Resp: 34120
Ion Ratio Lower Upper
330 100
332 94.7 76.1 114.1
141 28.5 25.8 38.6

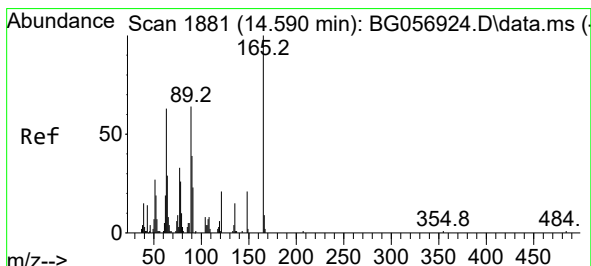
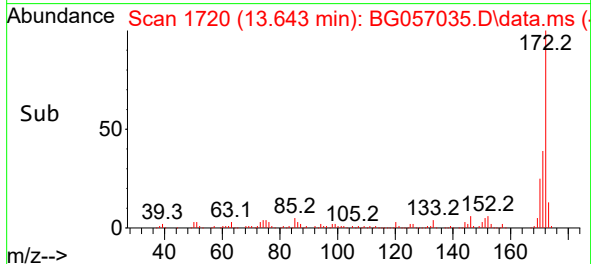
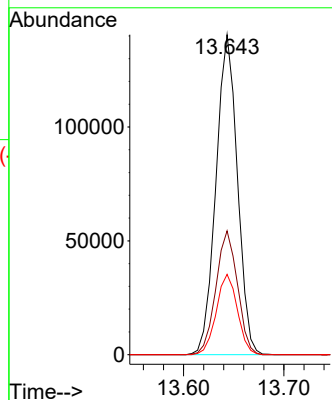
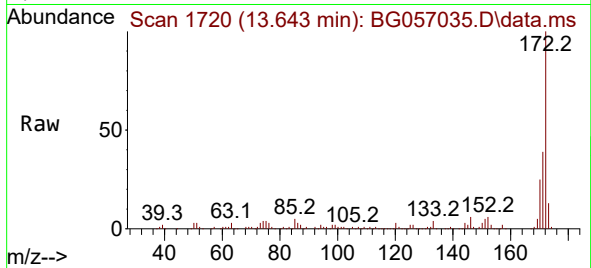




#45
2-Fluorobiphenyl
Concen: 81.274 ng
RT: 13.643 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG057035.D
Acq: 7 Apr 2023 20:49

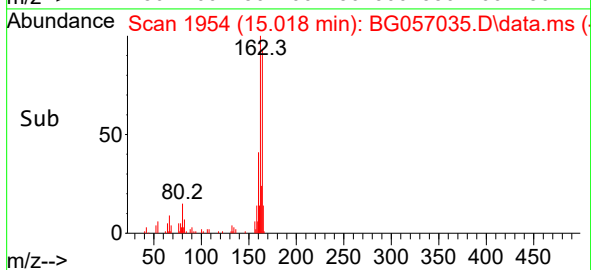
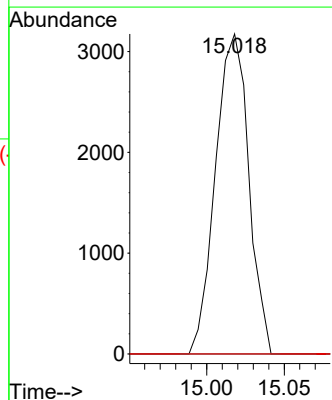
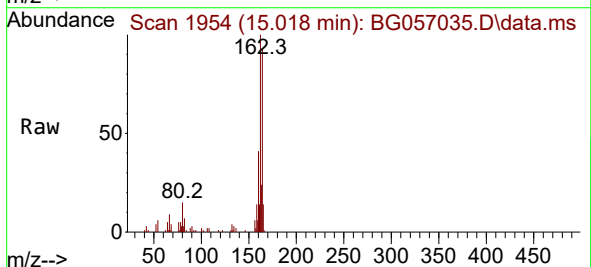
Instrument :
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ClientSampleId :
OU3-FC-BACKFILL-15

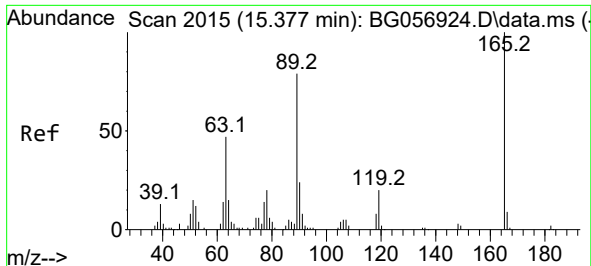
Tgt Ion:172 Resp: 208189
Ion Ratio Lower Upper
172 100
171 38.7 30.6 46.0
170 25.1 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 8.001 ng
RT: 15.018 min Scan# 1954
Delta R.T. 0.430 min
Lab File: BG057035.D
Acq: 7 Apr 2023 20:49

Tgt Ion:165 Resp: 4731
Ion Ratio Lower Upper
165 100
63 0.0 53.0 79.6#
89 0.0 51.0 76.4#





#57

2,4-Dinitrotoluene

Concen: 5.673 ng

RT: 15.018 min Scan# 1954

Delta R.T. -0.351 min

Lab File: BG057035.D

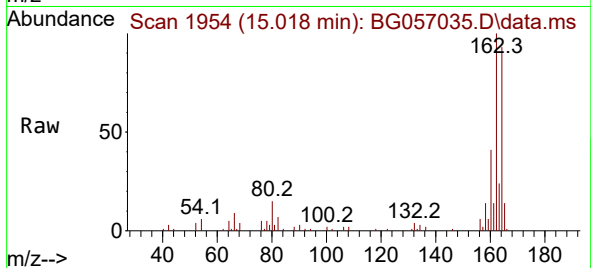
Acq: 7 Apr 2023 20:49

Instrument :

BNA_G

ClientSampleId :

OU3-FC-BACKFILL-15



Tgt Ion:165 Resp: 4731

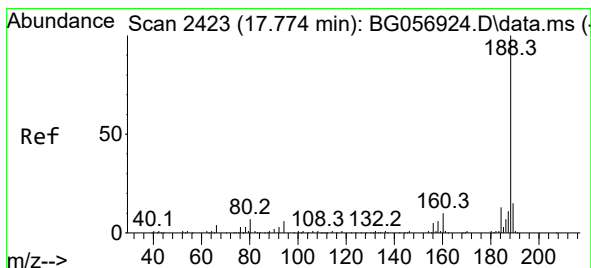
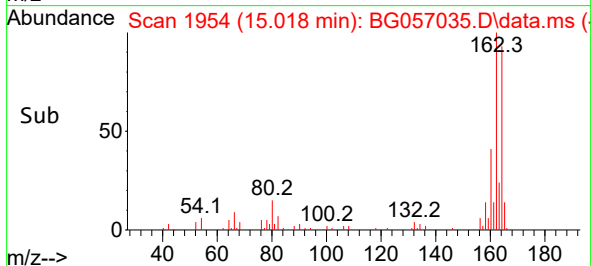
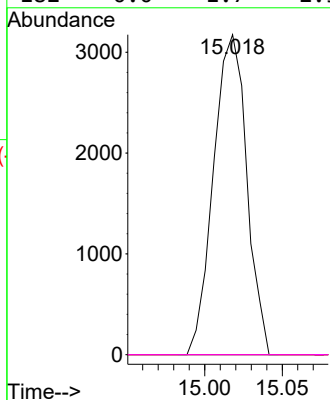
Ion Ratio Lower Upper

165 100

63 0.0 37.7 56.5#

89 0.0 63.2 94.8#

182 0.0 1.7 2.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.755 min Scan# 2420

Delta R.T. -0.004 min

Lab File: BG057035.D

Acq: 7 Apr 2023 20:49

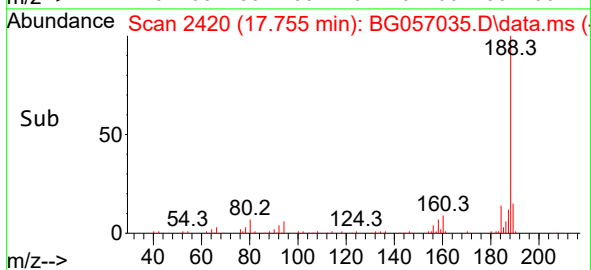
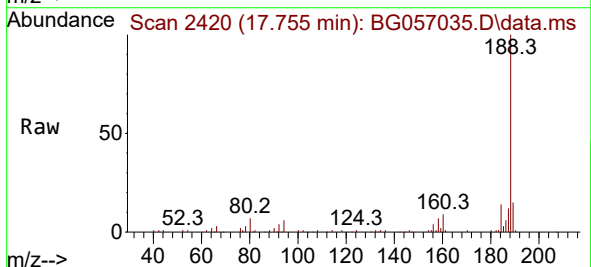
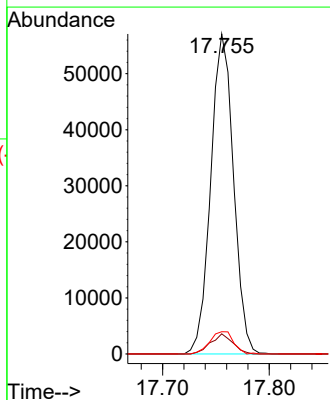
Tgt Ion:188 Resp: 84654

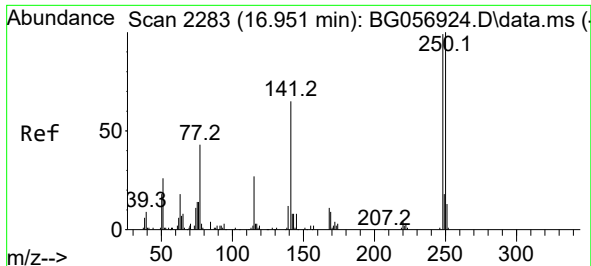
Ion Ratio Lower Upper

188 100

94 6.3 4.6 6.8

80 7.0 5.5 8.3

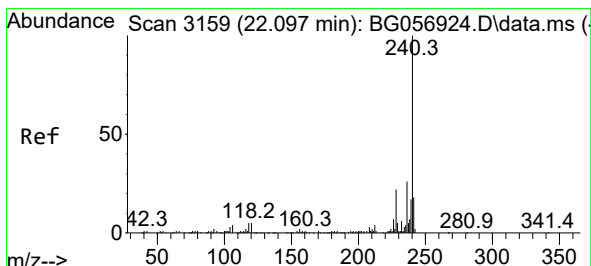
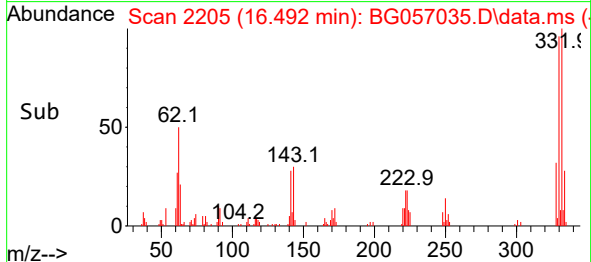
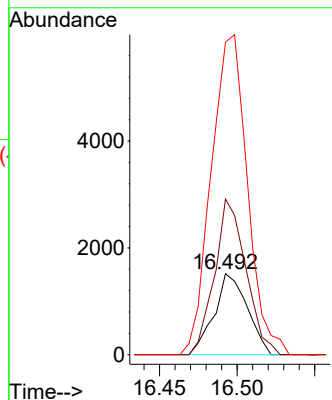
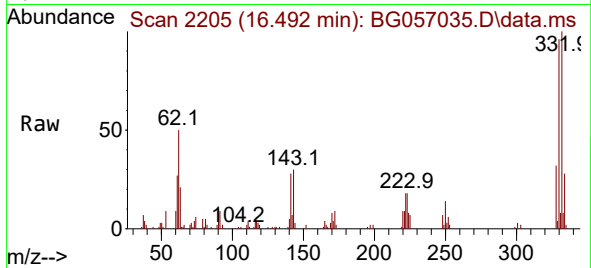




#67
4-Bromophenyl-phenylether
Concen: 2.151 ng
RT: 16.492 min Scan# 21
Delta R.T. -0.445 min
Lab File: BG057035.D
Acq: 7 Apr 2023 20:49

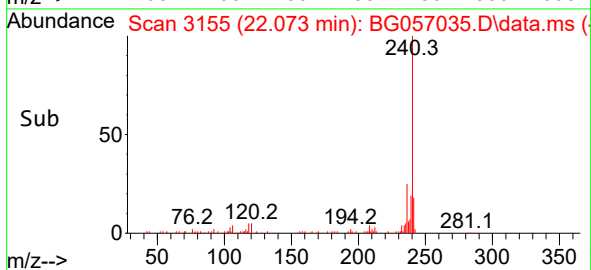
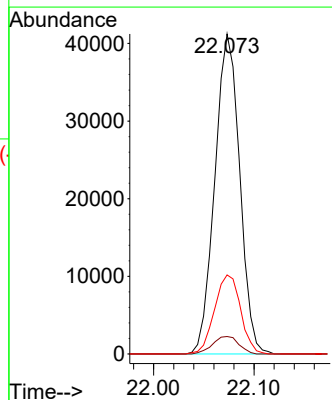
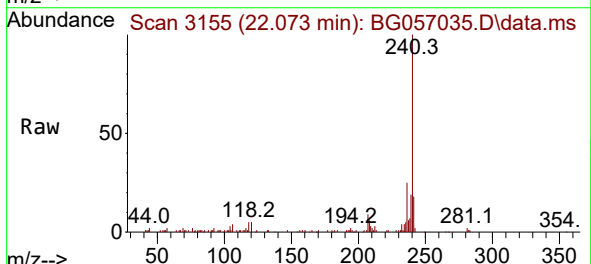
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-15

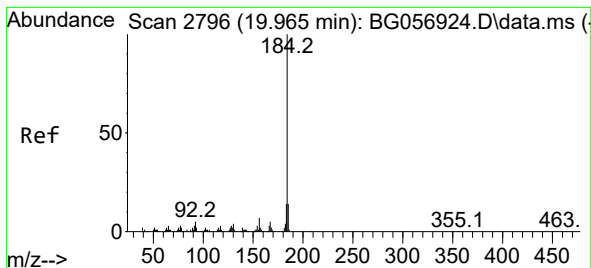
Tgt Ion:248 Resp: 2253
Ion Ratio Lower Upper
248 100
250 192.3 80.5 120.7#
141 386.1 52.0 78.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.073 min Scan# 3155
Delta R.T. -0.010 min
Lab File: BG057035.D
Acq: 7 Apr 2023 20:49

Tgt Ion:240 Resp: 70803
Ion Ratio Lower Upper
240 100
120 5.4 3.8 5.6
236 24.7 21.0 31.6





#77

Benzidine

Concen: 3.129 ng

RT: 20.323 min Scan# 2857

Delta R.T. 0.372 min

Lab File: BG057035.D

Acq: 7 Apr 2023 20:49

Instrument :

BNA_G

ClientSampleId :

OU3-FC-BACKFILL-15

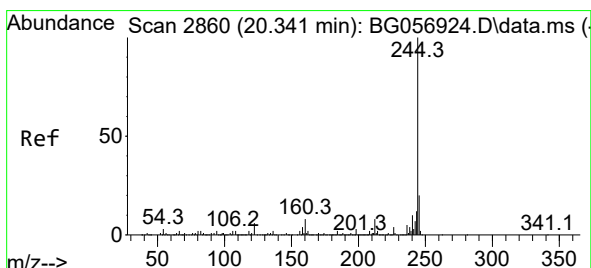
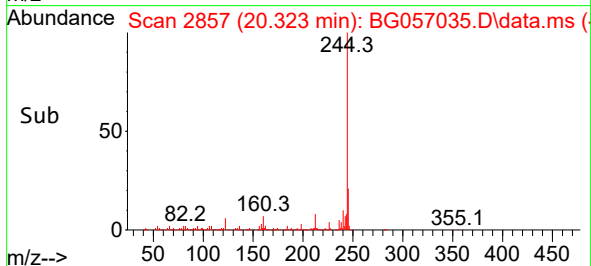
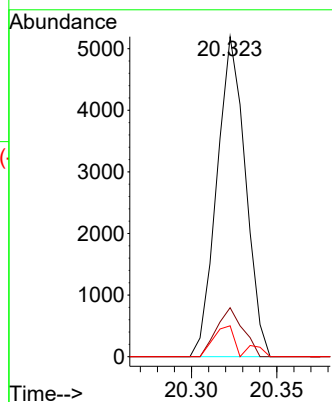
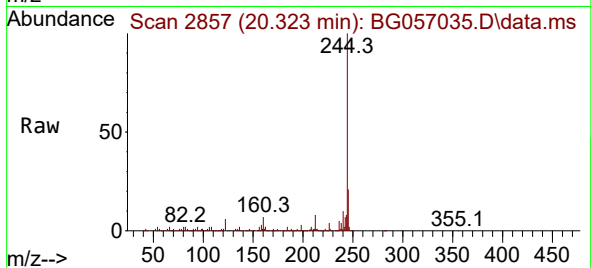
Tgt Ion:184 Resp: 6056

Ion Ratio Lower Upper

184 100

185 15.3 11.0 16.4

183 9.6 11.4 17.0#



#79

Terphenyl-d14

Concen: 89.881 ng

RT: 20.323 min Scan# 2857

Delta R.T. -0.004 min

Lab File: BG057035.D

Acq: 7 Apr 2023 20:49

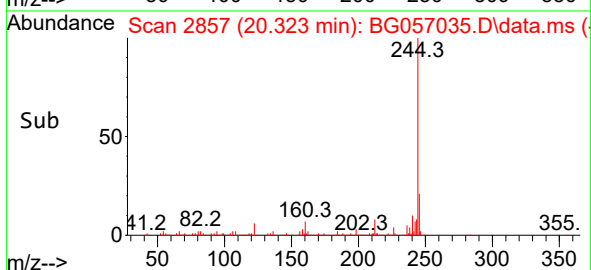
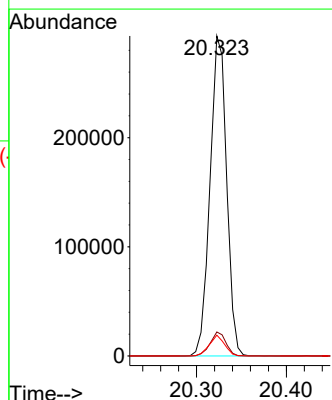
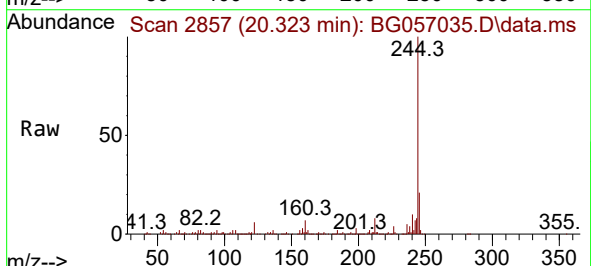
Tgt Ion:244 Resp: 376077

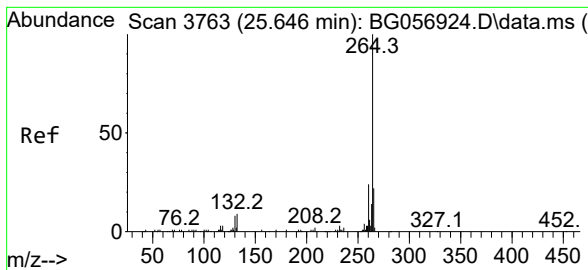
Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

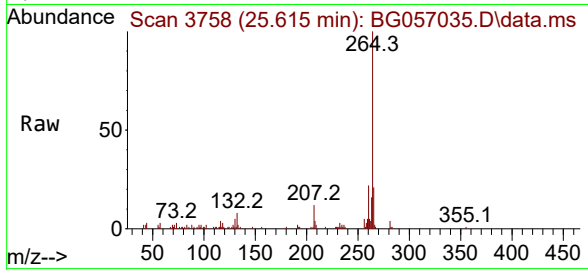
122 6.5 5.0 7.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.615 min Scan# 31
 Delta R.T. -0.016 min
 Lab File: BG057035.D
 Acq: 7 Apr 2023 20:49

Instrument :
 BNA_G
 ClientSampleId :
 OU3-FC-BACKFILL-15



Tgt Ion: 264 Resp: 75262

Ion	Ratio	Lower	Upper
264	100		
260	21.8	19.0	28.4
265	20.7	17.8	26.6

