

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041823\
 Data File : BG057138.D
 Acq On : 19 Apr 2023 1:18
 Operator : CG/JU
 Sample : 02354-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-303-20230413

Quant Time: Apr 19 05:02:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG041823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 19 04:21:14 2023
 Response via : Initial Calibration

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

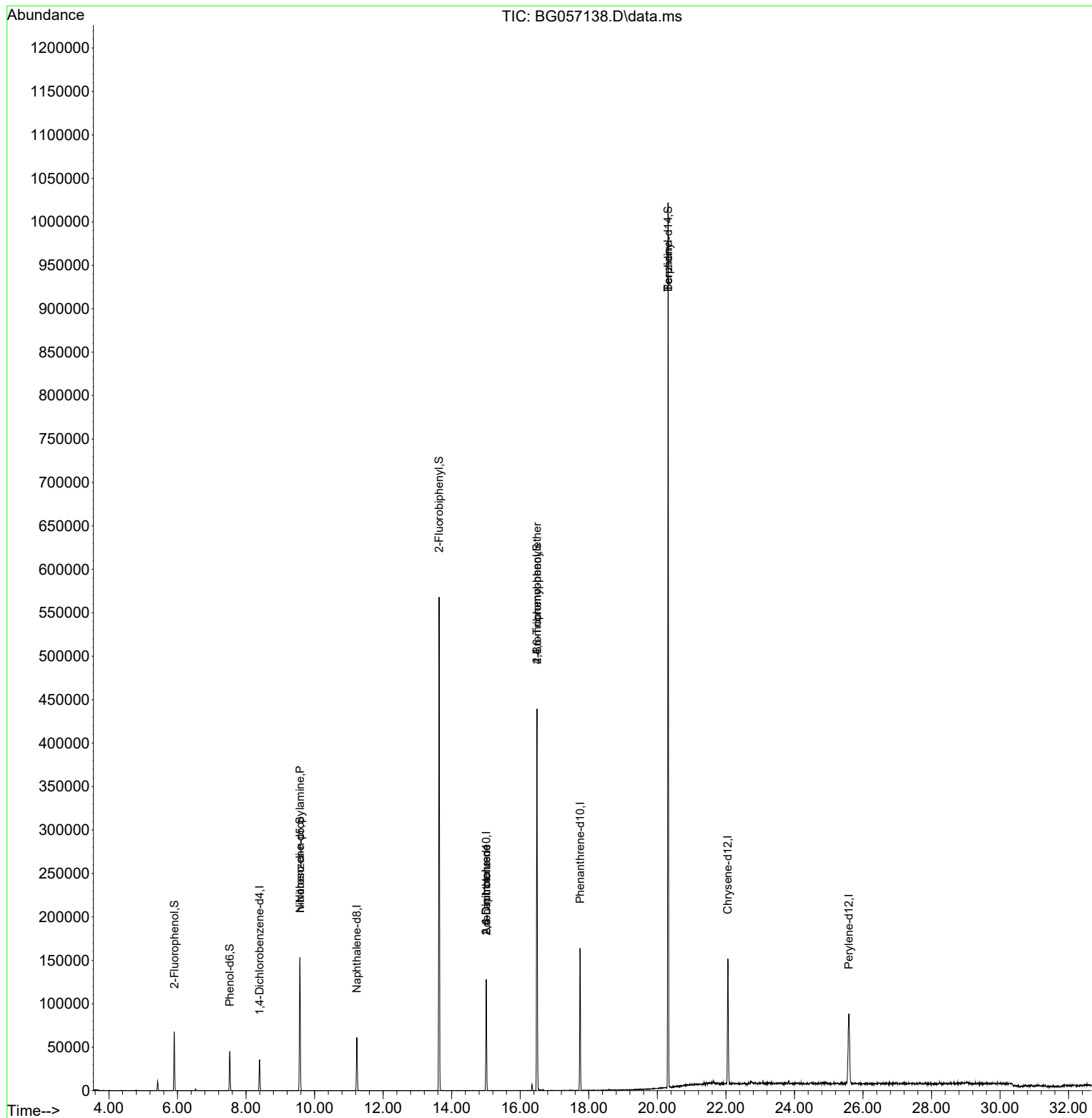
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.393	152	10776	20.000	ng	0.00
21) Naphthalene-d8	11.231	136	51337	20.000	ng	# 0.00
39) Acenaphthene-d10	15.008	164	44663	20.000	ng	0.00
64) Phenanthrene-d10	17.745	188	103663	20.000	ng	# 0.00
76) Chrysene-d12	22.057	240	92626	20.000	ng	0.00
86) Perylene-d12	25.588	264	97961	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.908	112	28489	45.026	ng	0.00
7) Phenol-d6	7.524	99	25556	27.323	ng	0.00
23) Nitrobenzene-d5	9.574	82	99732	85.555	ng	0.00
42) 2,4,6-Tribromophenol	16.488	330	90953	120.035	ng	0.00
45) 2-Fluorobiphenyl	13.633	172	284332	83.873	ng	0.00
79) Terphenyl-d14	20.313	244	510256	83.340	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.574	70	13081	15.585	ng	# 89
51) 2,6-Dinitrotoluene	15.008	165	5426	7.078	ng	# 21
57) 2,4-Dinitrotoluene	15.008	165	5426	5.021	ng	# 21
63) Azobenzene	16.341	77	2608	Below Cal		# 2
67) 4-Bromophenyl-phenylether	16.488	248	5786	4.406	ng	# 1
77) Benzidine	20.313	184	7971	3.135	ng	# 80

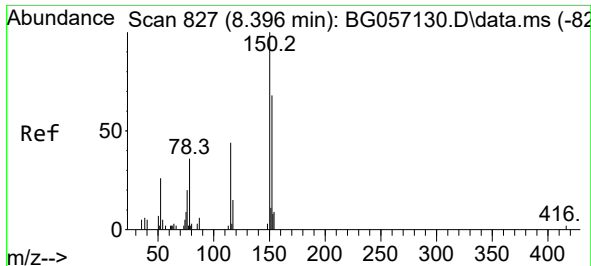
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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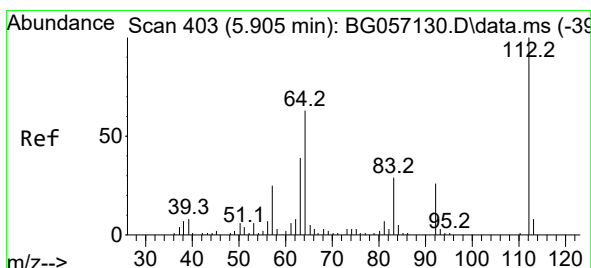
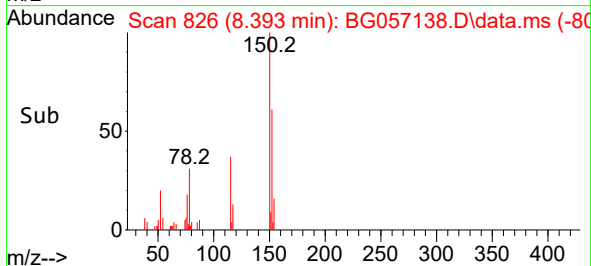
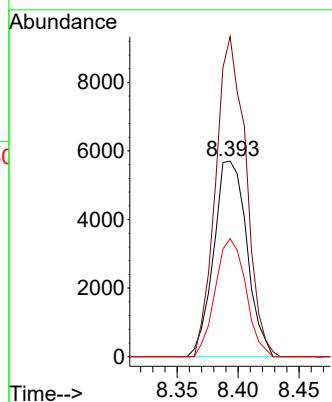
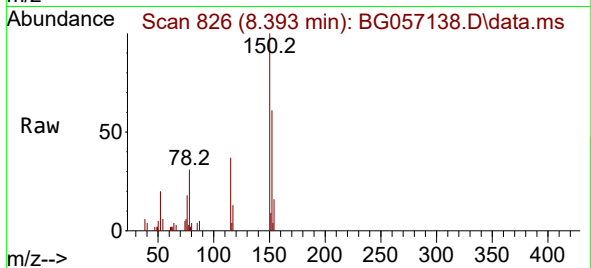




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.393 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG057138.D
Acq: 19 Apr 2023 1:18

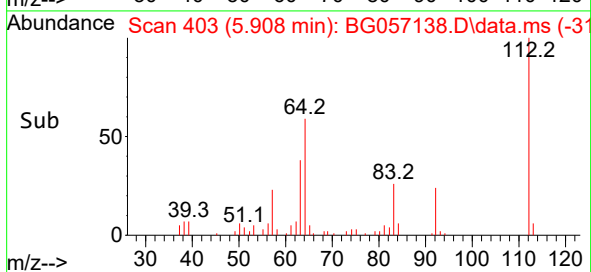
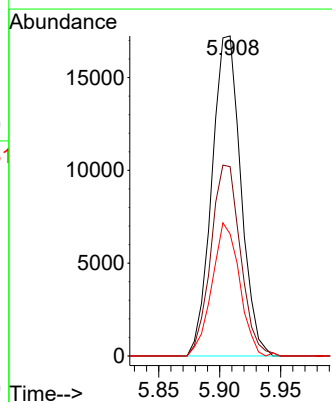
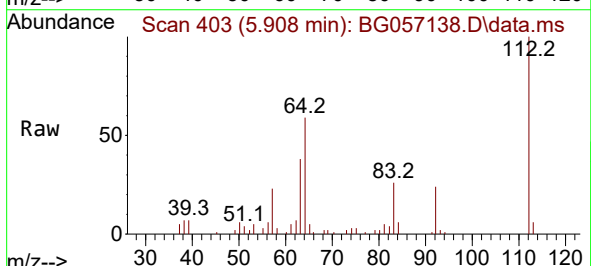
Instrument :
BNA_G
ClientSampleId :
SP-303-20230413

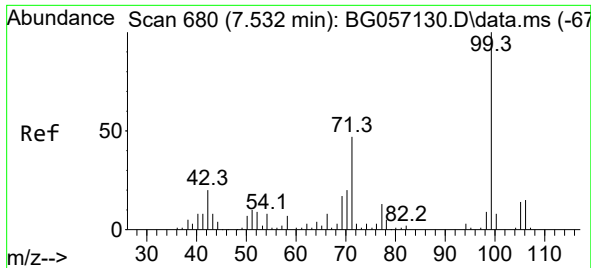
Tgt Ion:152 Resp: 10776
Ion Ratio Lower Upper
152 100
150 163.5 118.0 177.0
115 60.3 51.8 77.6



#5
2-Fluorophenol
Concen: 45.026 ng
RT: 5.908 min Scan# 403
Delta R.T. 0.003 min
Lab File: BG057138.D
Acq: 19 Apr 2023 1:18

Tgt Ion:112 Resp: 28489
Ion Ratio Lower Upper
112 100
64 59.1 50.6 76.0
63 38.1 31.2 46.8

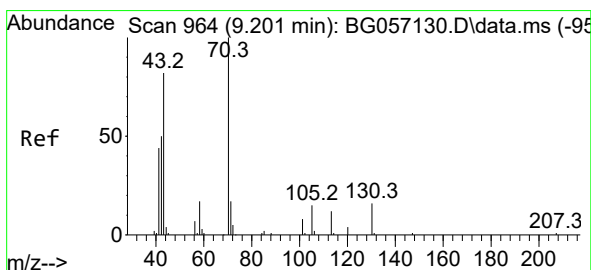
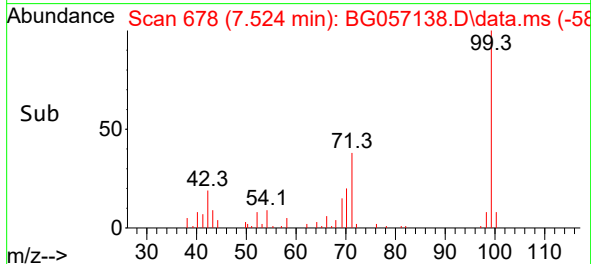
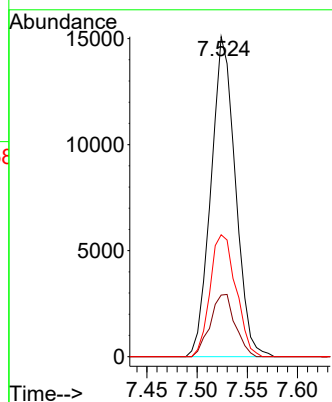
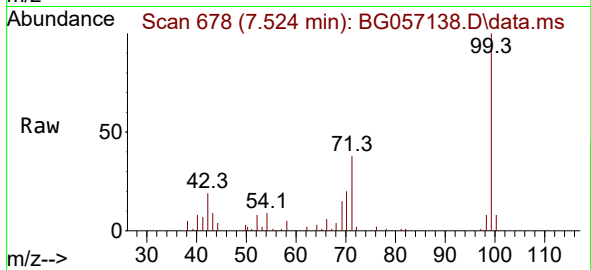




#7
Phenol-d6
Concen: 27.323 ng
RT: 7.524 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG057138.D
Acq: 19 Apr 2023 1:18

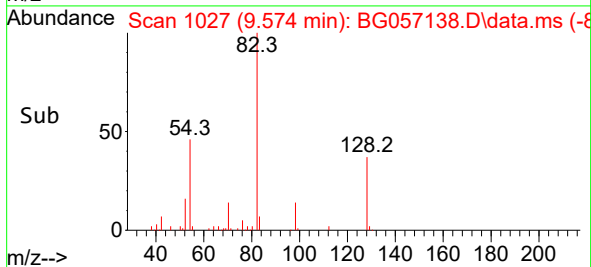
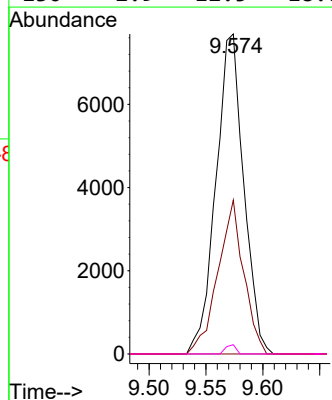
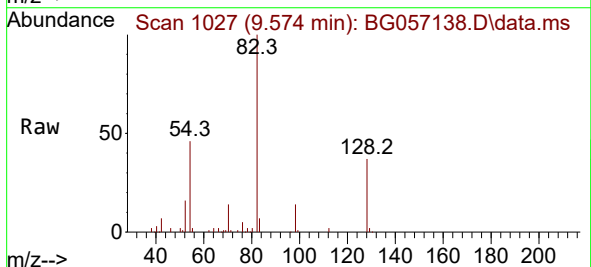
Instrument :
BNA_G
ClientSampleId :
SP-303-20230413

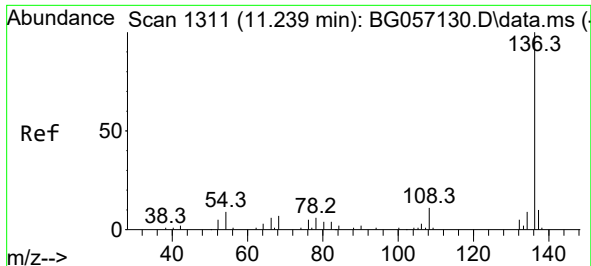
Tgt Ion: 99 Resp: 25556
Ion Ratio Lower Upper
99 100
42 19.2 16.2 24.4
71 38.1 37.8 56.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.585 ng
RT: 9.574 min Scan# 1027
Delta R.T. 0.374 min
Lab File: BG057138.D
Acq: 19 Apr 2023 1:18

Tgt Ion: 70 Resp: 13081
Ion Ratio Lower Upper
70 100
42 48.1 40.2 60.4
101 0.0 6.7 10.1#
130 2.9 12.5 18.7#

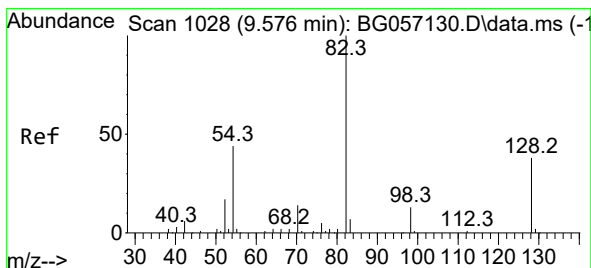
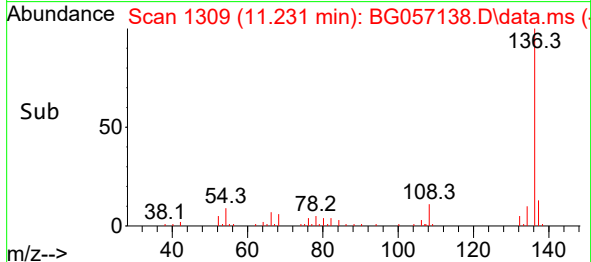
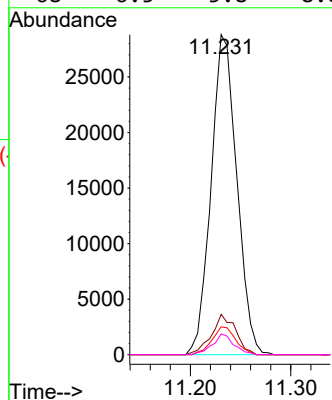
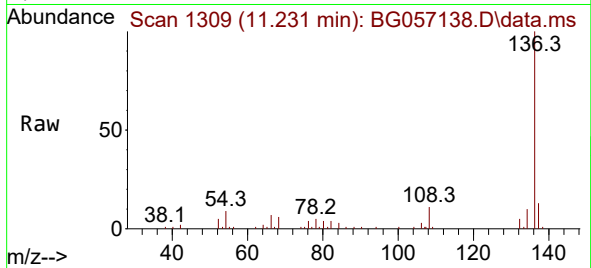




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.231 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG057138.D
Acq: 19 Apr 2023 1:18

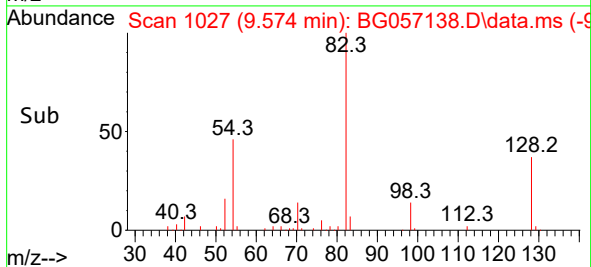
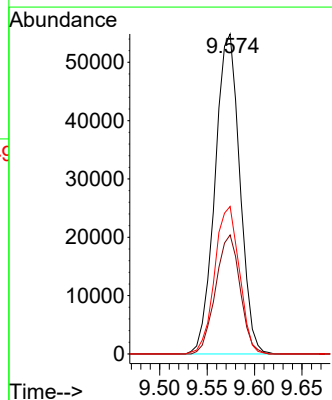
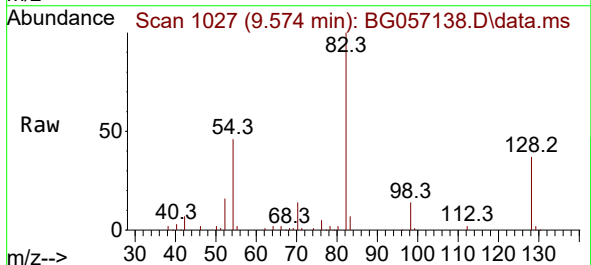
Instrument :
BNA_G
ClientSampleId :
SP-303-20230413

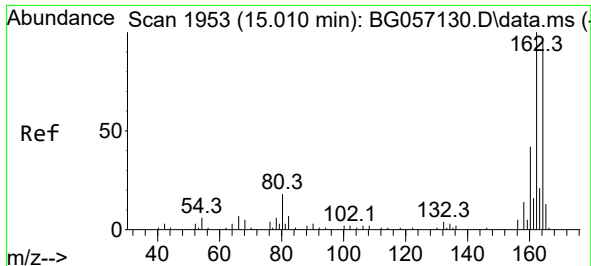
Tgt Ion:136	Resp:	51337
Ion Ratio	Lower	Upper
136	100	
137	12.6	7.8 11.6#
54	8.7	7.3 10.9
68	6.5	5.8 8.8



#23
Nitrobenzene-d5
Concen: 85.555 ng
RT: 9.574 min Scan# 1027
Delta R.T. -0.002 min
Lab File: BG057138.D
Acq: 19 Apr 2023 1:18

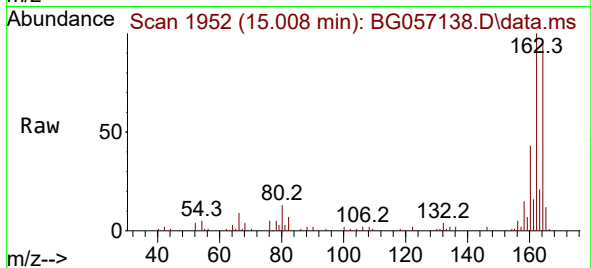
Tgt Ion: 82	Resp:	99732
Ion Ratio	Lower	Upper
82	100	
128	37.2	30.5 45.7
54	46.1	35.4 53.2



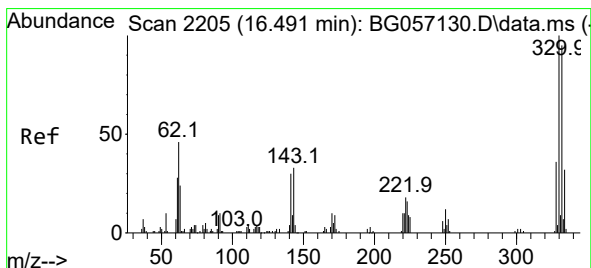
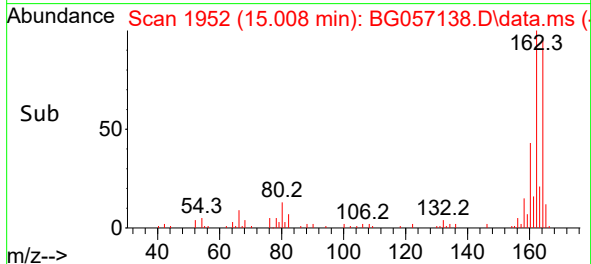
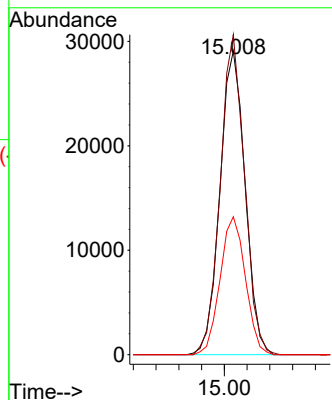


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.008 min Scan# 1953
Delta R.T. -0.002 min
Lab File: BG057138.D
Acq: 19 Apr 2023 1:18

Instrument :
BNA_G
ClientSampleId :
SP-303-20230413

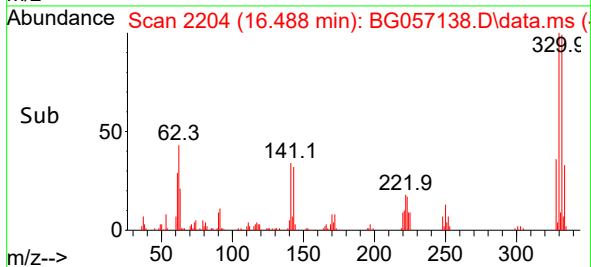
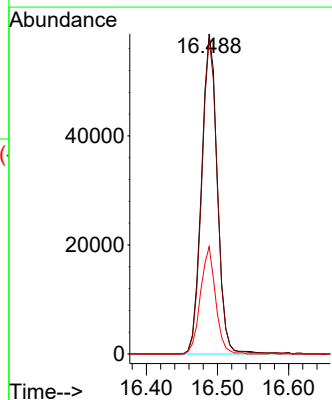
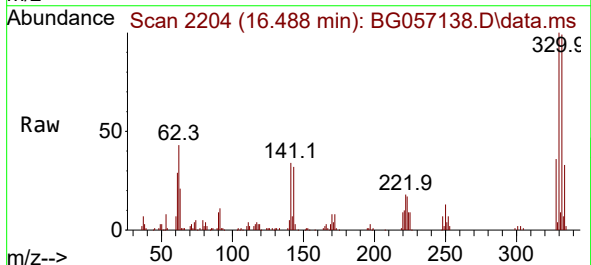


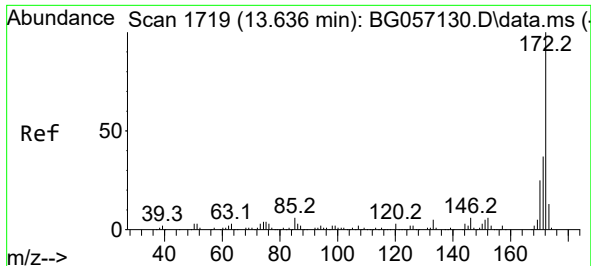
Tgt Ion:164 Resp: 44663
Ion Ratio Lower Upper
164 100
162 105.4 83.8 125.8
160 45.4 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 120.035 ng
RT: 16.488 min Scan# 2204
Delta R.T. -0.002 min
Lab File: BG057138.D
Acq: 19 Apr 2023 1:18

Tgt Ion:330 Resp: 90953
Ion Ratio Lower Upper
330 100
332 97.3 76.6 115.0
141 32.0 24.2 36.4

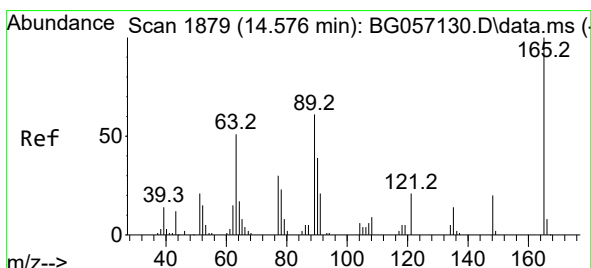
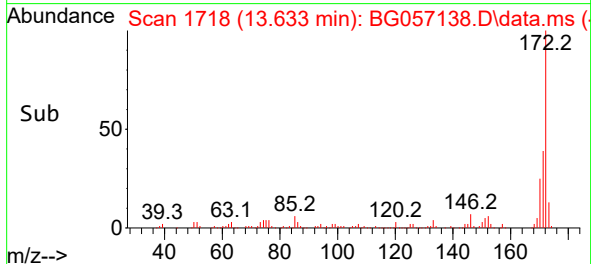
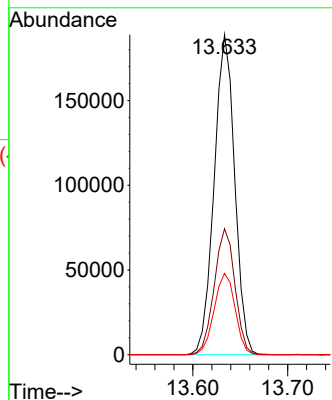
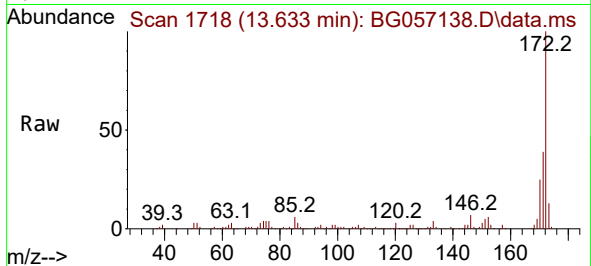




#45
2-Fluorobiphenyl
Concen: 83.873 ng
RT: 13.633 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG057138.D
Acq: 19 Apr 2023 1:18

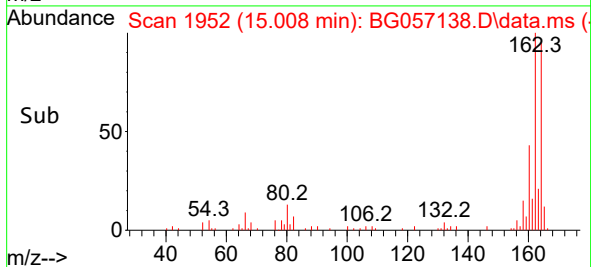
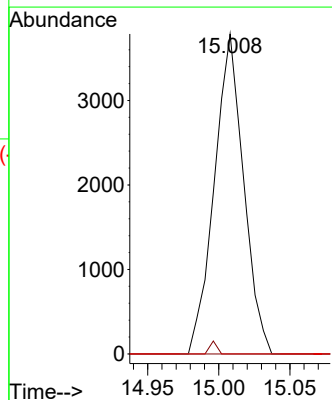
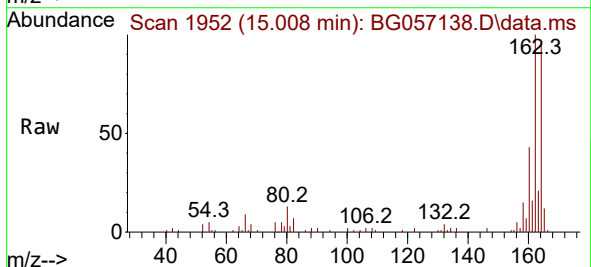
Instrument :
BNA_G
ClientSampleId :
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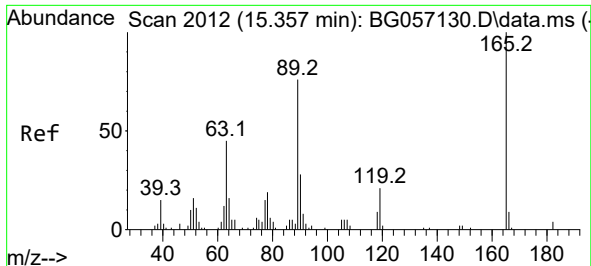
Tgt Ion:172 Resp: 284332
Ion Ratio Lower Upper
172 100
171 39.4 29.9 44.9
170 25.4 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 7.078 ng
RT: 15.008 min Scan# 1952
Delta R.T. 0.432 min
Lab File: BG057138.D
Acq: 19 Apr 2023 1:18

Tgt Ion:165 Resp: 5426
Ion Ratio Lower Upper
165 100
63 0.0 45.8 68.8#
89 0.0 48.5 72.7#





#57

2,4-Dinitrotoluene

Concen: 5.021 ng

RT: 15.008 min Scan# 1952

Delta R.T. -0.349 min

Lab File: BG057138.D

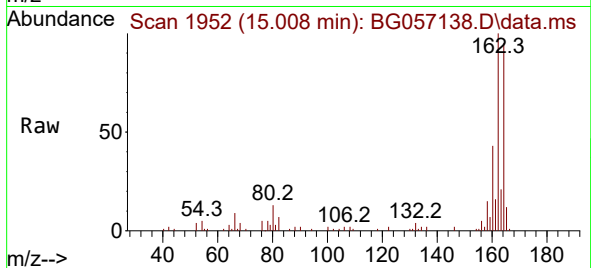
Acq: 19 Apr 2023 1:18

Instrument :

BNA_G

ClientSampleId :

SP-303-20230413



Tgt Ion:165 Resp: 5426

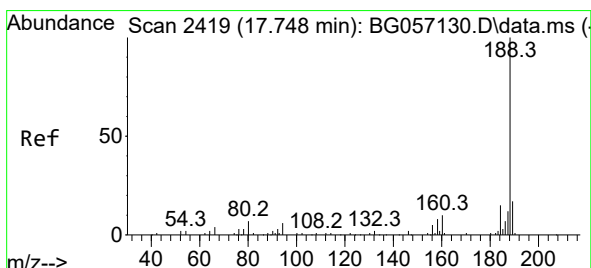
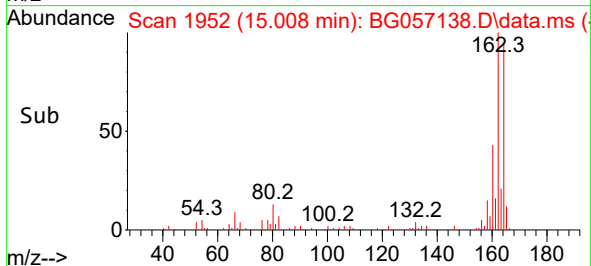
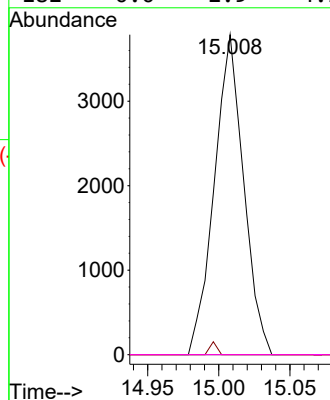
Ion Ratio Lower Upper

165 100

63 0.0 35.8 53.6#

89 0.0 61.0 91.4#

182 0.0 2.9 4.3#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.745 min Scan# 2418

Delta R.T. -0.002 min

Lab File: BG057138.D

Acq: 19 Apr 2023 1:18

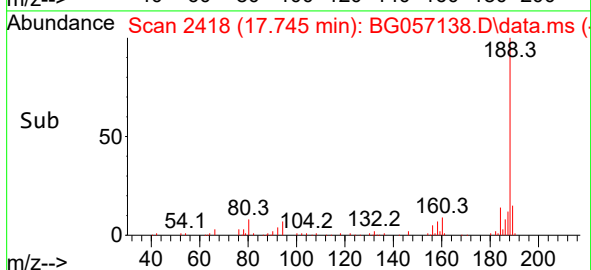
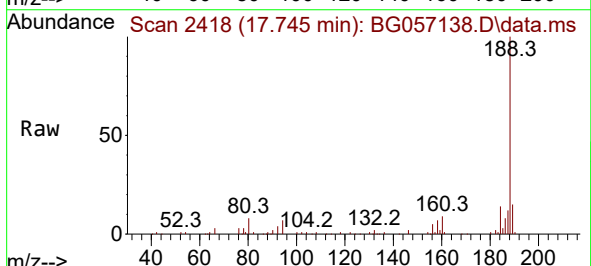
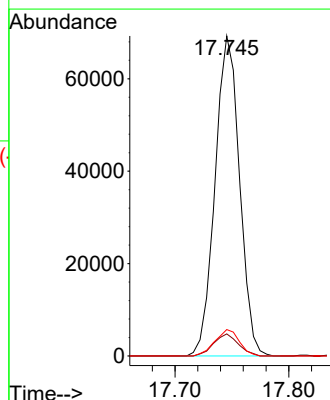
Tgt Ion:188 Resp: 103663

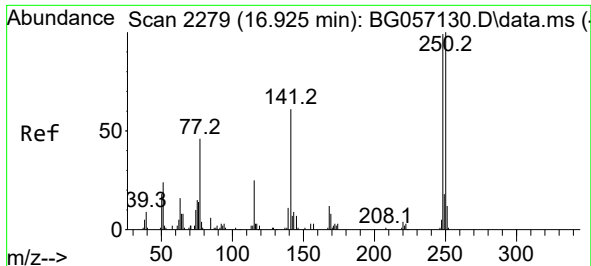
Ion Ratio Lower Upper

188 100

94 6.9 4.4 6.6#

80 8.2 5.8 8.6

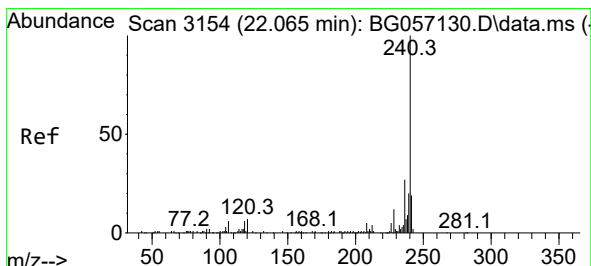
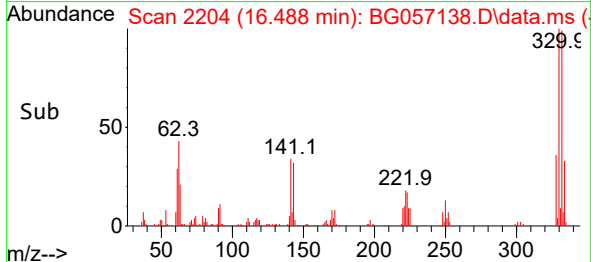
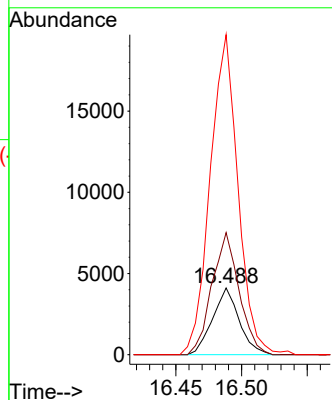
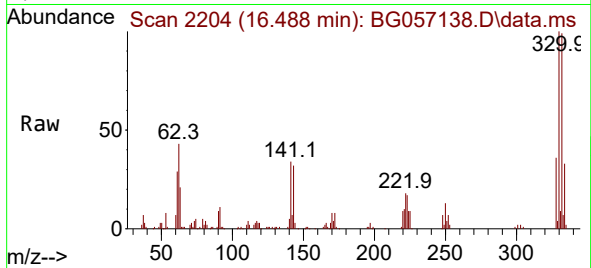




#67
4-Bromophenyl-phenylether
Concen: 4.406 ng
RT: 16.488 min Scan# 21
Delta R.T. -0.437 min
Lab File: BG057138.D
Acq: 19 Apr 2023 1:18

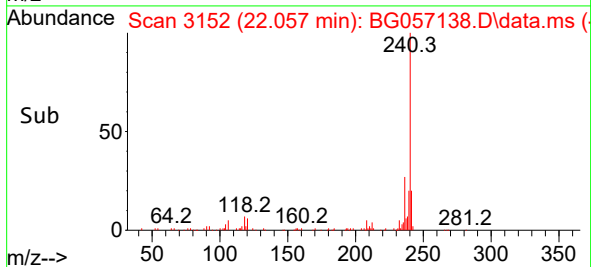
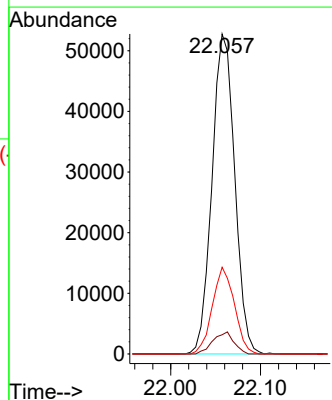
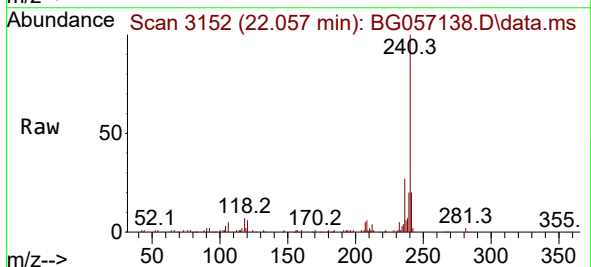
Instrument :
BNA_G
ClientSampleId :
SP-303-20230413

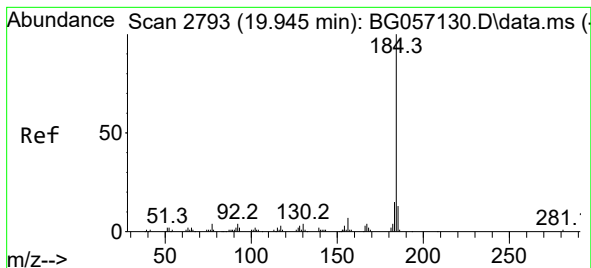
Tgt Ion:248 Resp: 5786
Ion Ratio Lower Upper
248 100
250 183.0 80.8 121.2#
141 479.8 49.4 74.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.057 min Scan# 3152
Delta R.T. -0.008 min
Lab File: BG057138.D
Acq: 19 Apr 2023 1:18

Tgt Ion:240 Resp: 92626
Ion Ratio Lower Upper
240 100
120 6.0 5.4 8.0
236 27.1 21.3 31.9





#77

Benzidine

Concen: 3.135 ng

RT: 20.313 min Scan# 21

Delta R.T. 0.368 min

Lab File: BG057138.D

Acq: 19 Apr 2023 1:18

Instrument :

BNA_G

ClientSampleId :

SP-303-20230413

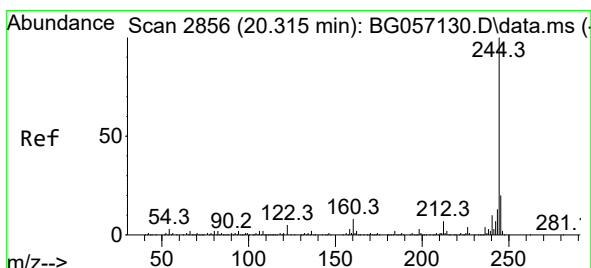
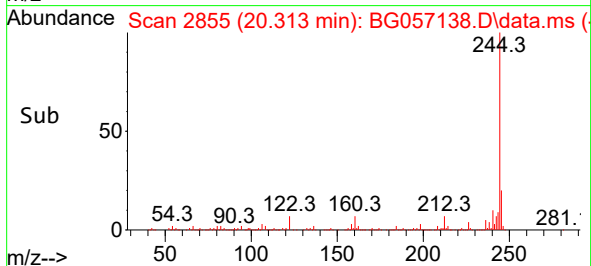
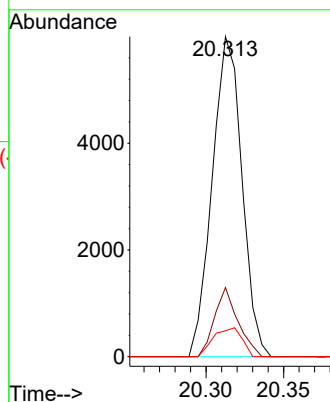
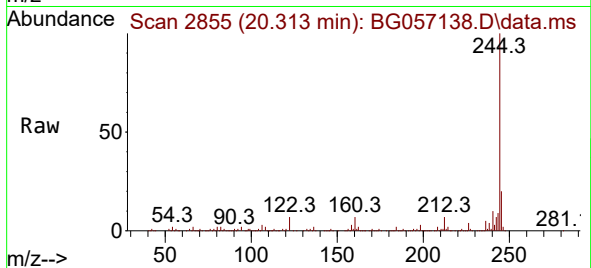
Tgt Ion:184 Resp: 7971

Ion Ratio Lower Upper

184 100

185 21.6 10.2 15.4#

183 8.1 12.3 18.5#



#79

Terphenyl-d14

Concen: 83.340 ng

RT: 20.313 min Scan# 2855

Delta R.T. -0.002 min

Lab File: BG057138.D

Acq: 19 Apr 2023 1:18

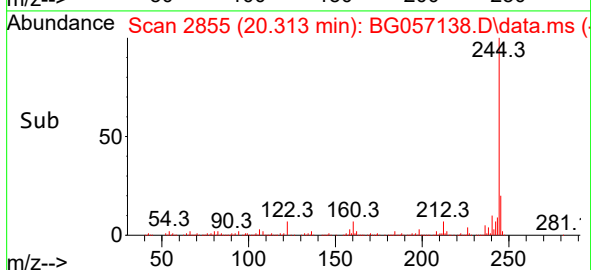
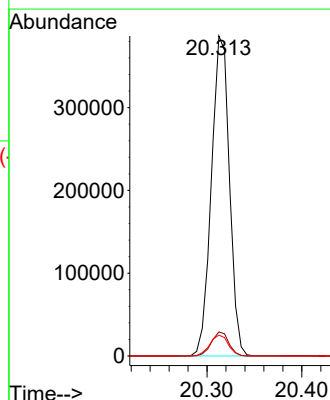
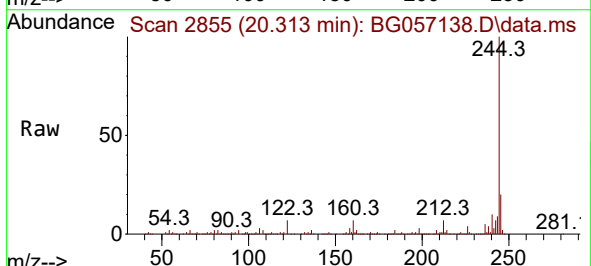
Tgt Ion:244 Resp: 510256

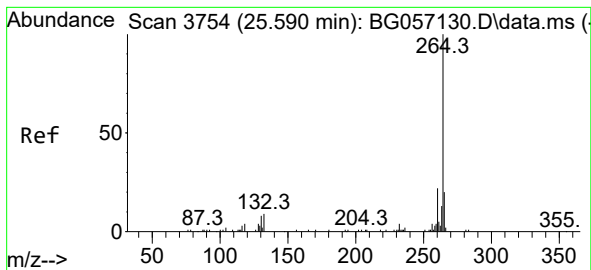
Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

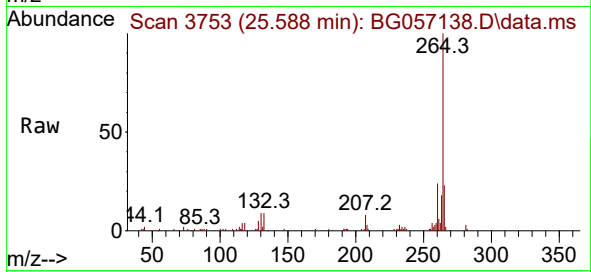
122 6.5 4.3 6.5#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.588 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG057138.D
Acq: 19 Apr 2023 1:18

Instrument :
BNA_G
ClientSampleId :
SP-303-20230413



Tgt Ion:	264	Resp:	97961
Ion Ratio	Lower	Upper	
264	100		
260	23.6	17.9	26.9
265	23.0	16.5	24.7

