

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040623\
 Data File : BG057012.D
 Acq On : 6 Apr 2023 14:47
 Operator : CG/JU
 Sample : 02208-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RO-124035

Quant Time: Apr 07 01:37:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 07 01:33:41 2023
 Response via : Initial Calibration

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

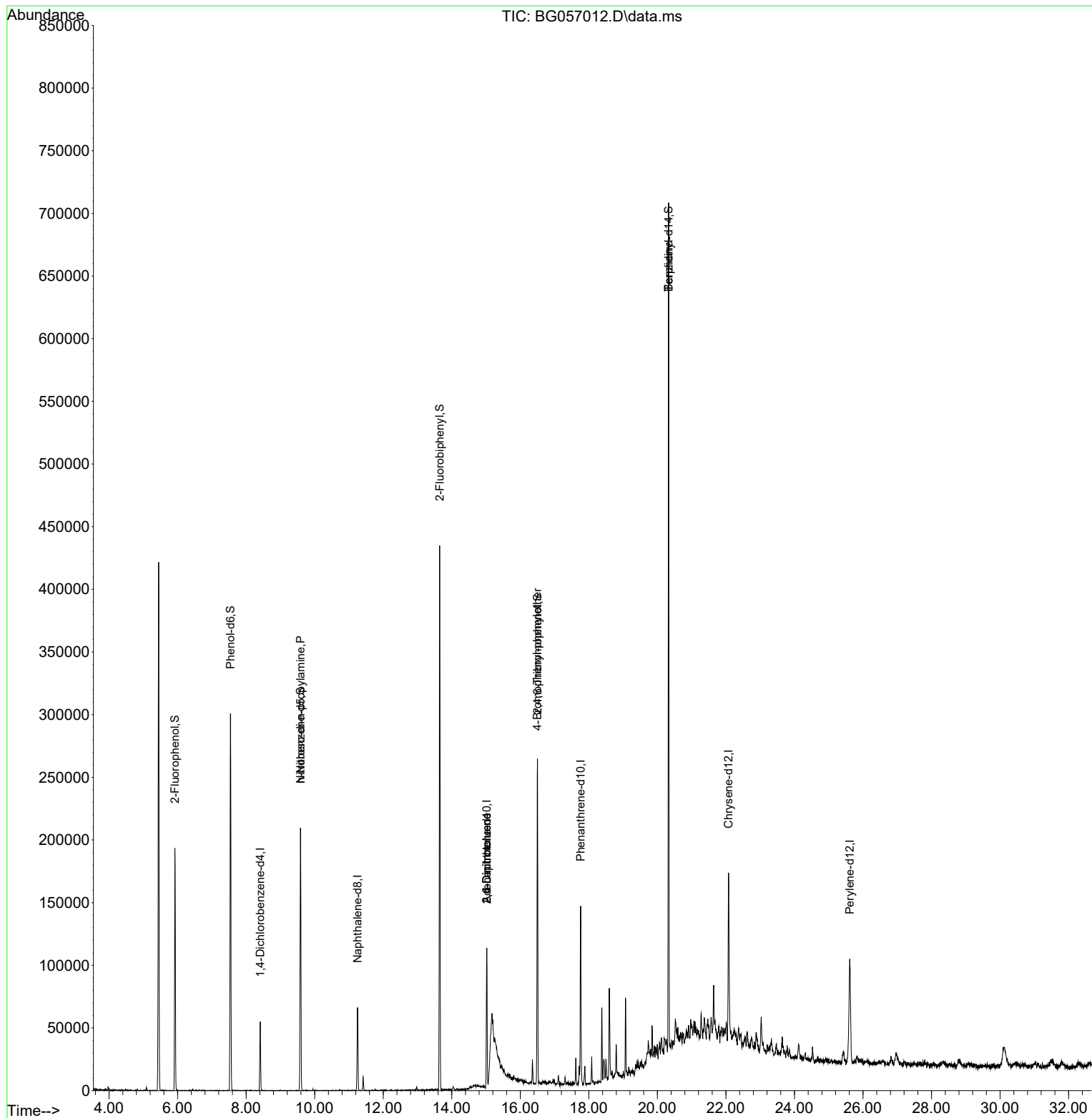
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.413	152	15200	20.000	ng	0.00
21) Naphthalene-d8	11.250	136	54962	20.000	ng	# 0.00
39) Acenaphthene-d10	15.022	164	39546	20.000	ng	0.00
64) Phenanthrene-d10	17.759	188	87762	20.000	ng	0.00
76) Chrysene-d12	22.077	240	81526	20.000	ng	-0.01
86) Perylene-d12	25.613	264	92934	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.922	112	77792	81.909	ng	0.00
7) Phenol-d6	7.544	99	166150	116.970	ng	0.00
23) Nitrobenzene-d5	9.588	82	129958	96.750	ng	0.00
42) 2,4,6-Tribromophenol	16.502	330	52301	82.786	ng	0.00
45) 2-Fluorobiphenyl	13.647	172	218535	74.934	ng	0.00
79) Terphenyl-d14	20.326	244	319613	66.339	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.588	70	19165	18.863	ng	# 77
51) 2,6-Dinitrotoluene	15.022	165	5385	7.999	ng	# 18
57) 2,4-Dinitrotoluene	15.022	165	5385	5.671	ng	# 18
67) 4-Bromophenyl-phenylether	16.496	248	3351	3.086	ng	# 1
77) Benzidine	20.326	184	5392	2.420	ng	# 94

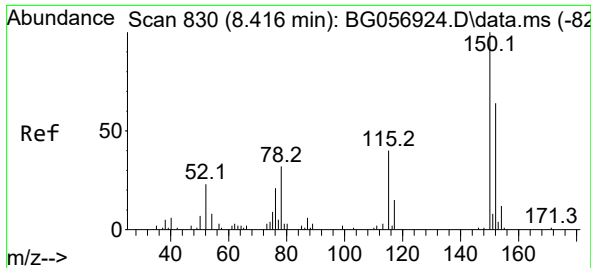
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 07 01:37:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 07 01:33:41 2023
Response via : Initial Calibration

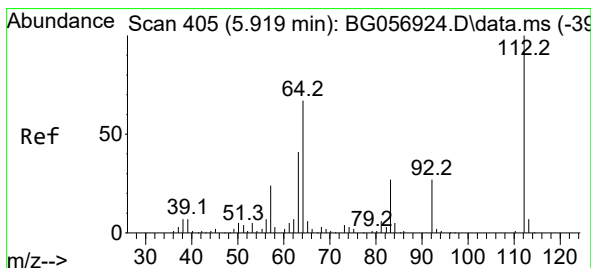
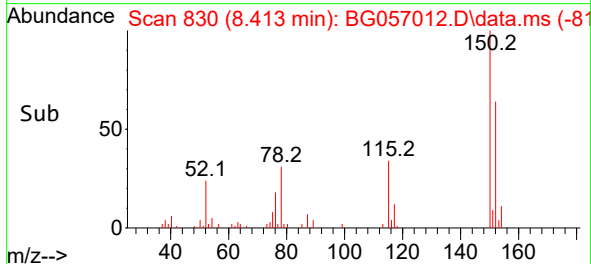
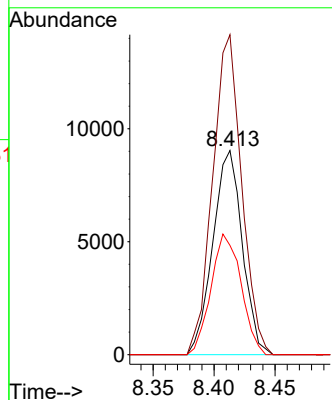
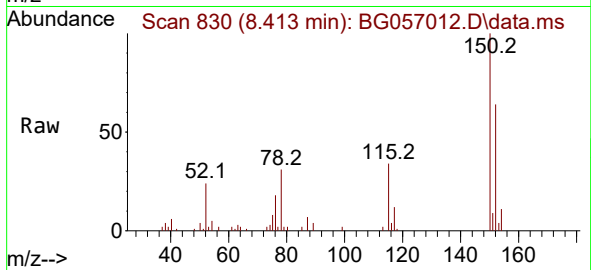




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.413 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG057012.D
Acq: 6 Apr 2023 14:47

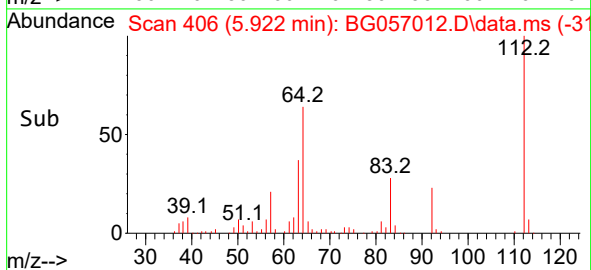
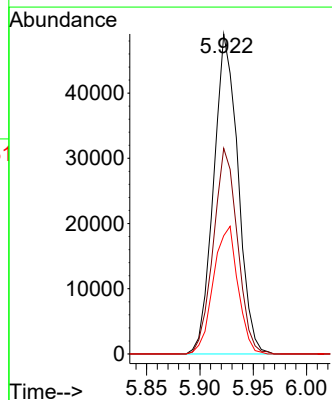
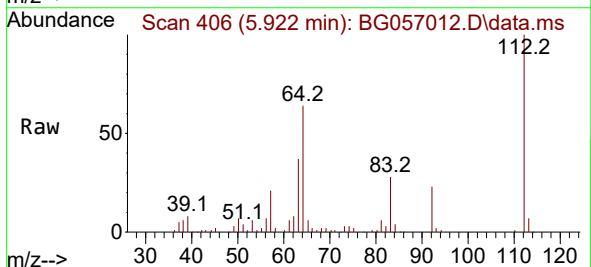
Instrument :
BNA_G
ClientSampleId :
RO-124035

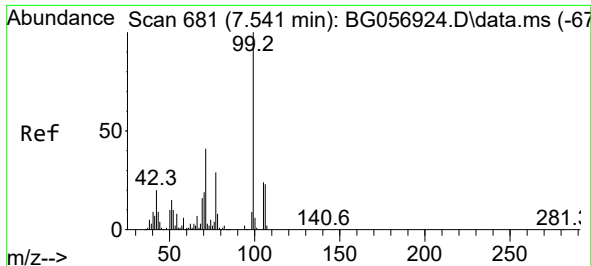
Tgt Ion:152 Resp: 15200
Ion Ratio Lower Upper
152 100
150 156.7 124.1 186.1
115 53.5 49.1 73.7



#5
2-Fluorophenol
Concen: 81.909 ng
RT: 5.922 min Scan# 406
Delta R.T. 0.006 min
Lab File: BG057012.D
Acq: 6 Apr 2023 14:47

Tgt Ion:112 Resp: 77792
Ion Ratio Lower Upper
112 100
64 64.2 53.2 79.8
63 37.0 32.6 48.8

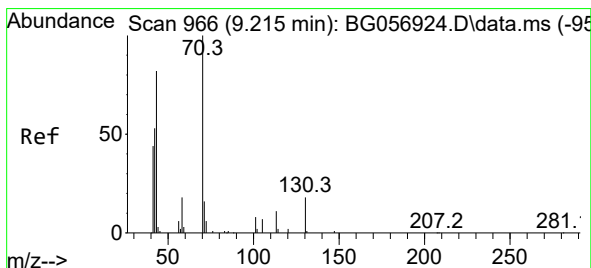
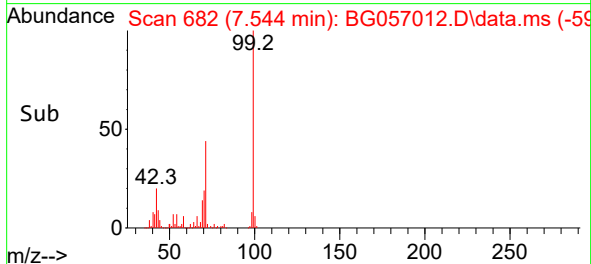
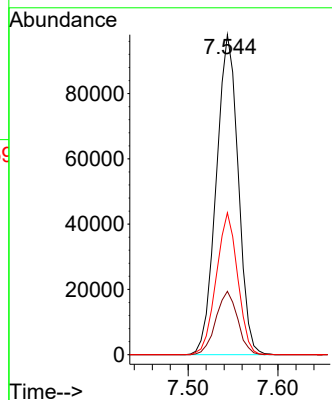
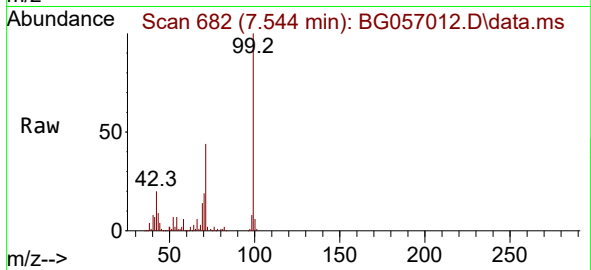




#7
Phenol-d6
Concen: 116.970 ng
RT: 7.544 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG057012.D
Acq: 6 Apr 2023 14:47

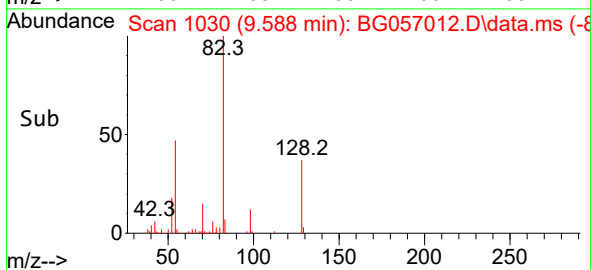
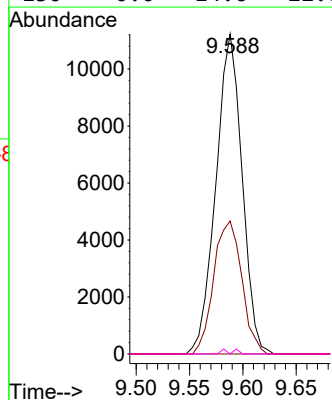
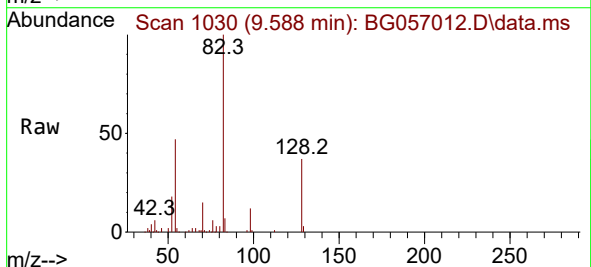
Instrument :
BNA_G
ClientSampleId :
RO-124035

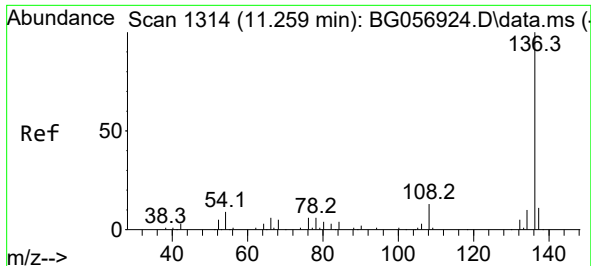
Tgt Ion: 99 Resp: 166150
Ion Ratio Lower Upper
99 100
42 19.8 15.7 23.5
71 44.3 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 18.863 ng
RT: 9.588 min Scan# 1030
Delta R.T. 0.376 min
Lab File: BG057012.D
Acq: 6 Apr 2023 14:47

Tgt Ion: 70 Resp: 19165
Ion Ratio Lower Upper
70 100
42 41.5 43.4 65.0#
101 0.0 6.2 9.2#
130 0.0 14.6 22.0#

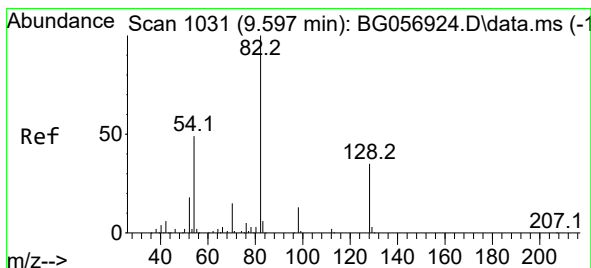
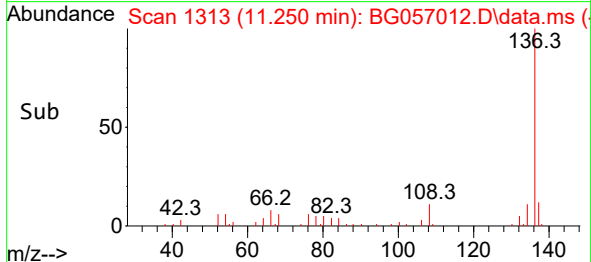
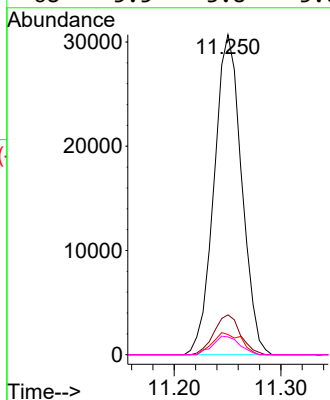
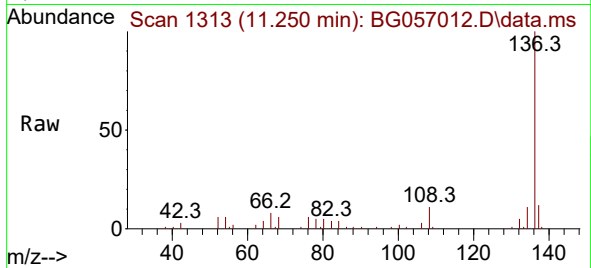




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.250 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG057012.D
Acq: 6 Apr 2023 14:47

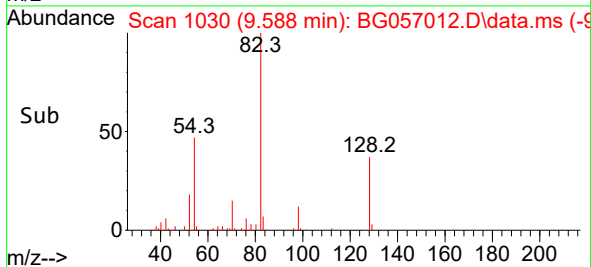
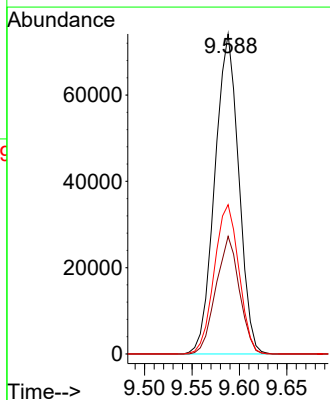
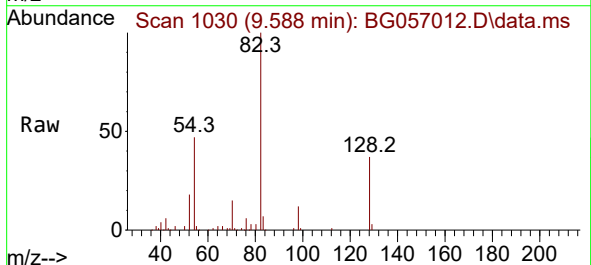
Instrument :
BNA_G
ClientSampleId :
RO-124035

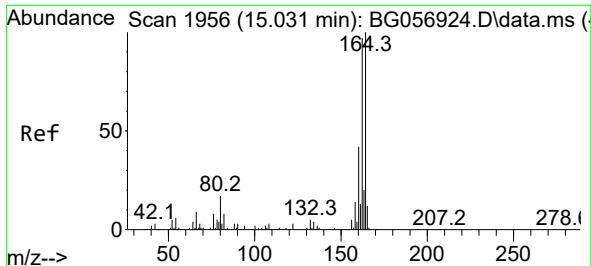
Tgt Ion:136	Resp:	54962
Ion Ratio	Lower	Upper
136	100	
137	12.4	8.6 13.0
54	6.3	6.9 10.3#
68	5.5	3.8 5.6



#23
Nitrobenzene-d5
Concen: 96.750 ng
RT: 9.588 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BG057012.D
Acq: 6 Apr 2023 14:47

Tgt Ion: 82	Resp:	129958
Ion Ratio	Lower	Upper
82	100	
128	36.8	27.9 41.9
54	46.7	39.4 59.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.022 min Scan# 1955

Delta R.T. -0.006 min

Lab File: BG057012.D

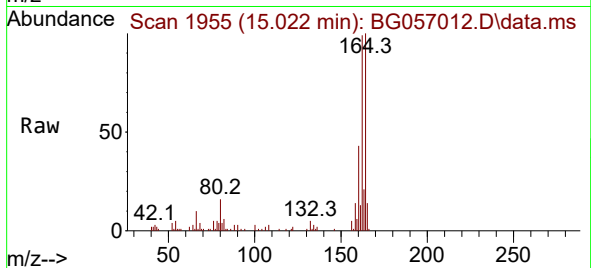
Acq: 6 Apr 2023 14:47

Instrument :

BNA_G

ClientSampleId :

RO-124035



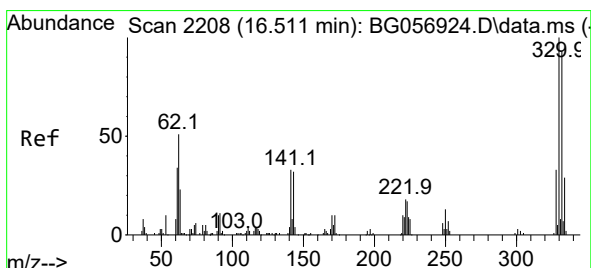
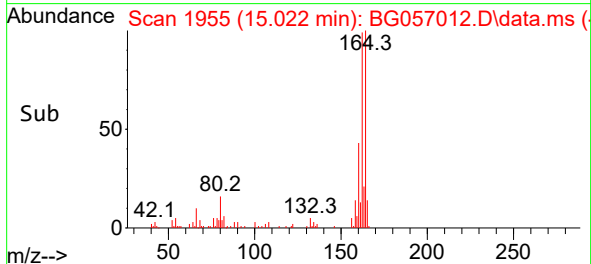
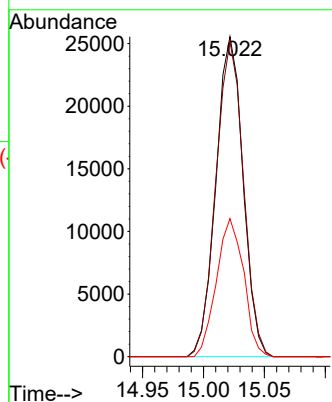
Tgt Ion:164 Resp: 39546

Ion Ratio Lower Upper

164 100

162 98.6 77.8 116.8

160 43.1 33.5 50.3



#42

2,4,6-Tribromophenol

Concen: 82.786 ng

RT: 16.502 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BG057012.D

Acq: 6 Apr 2023 14:47

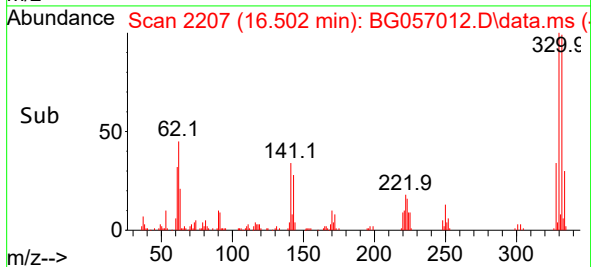
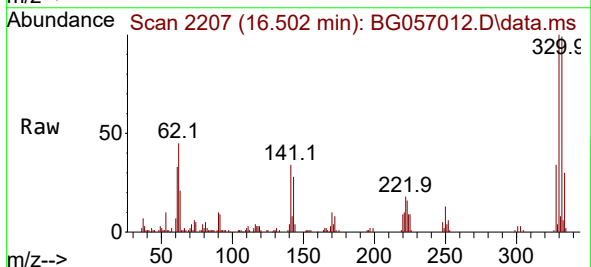
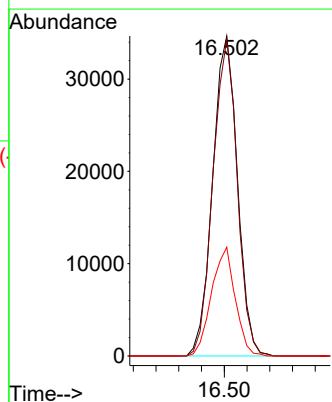
Tgt Ion:330 Resp: 52301

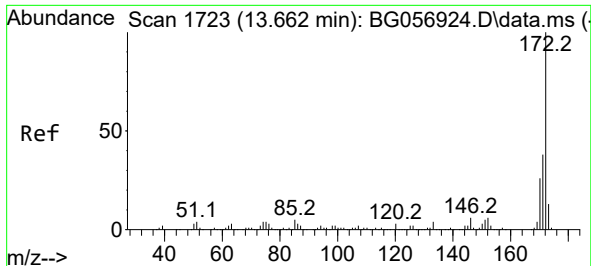
Ion Ratio Lower Upper

330 100

332 96.9 76.1 114.1

141 32.6 25.8 38.6

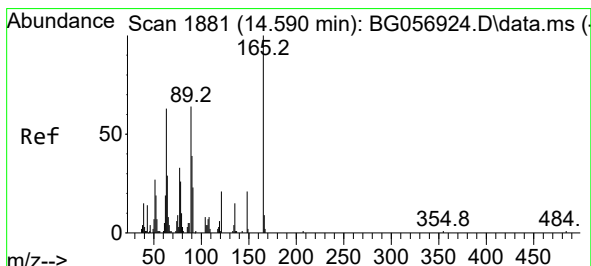
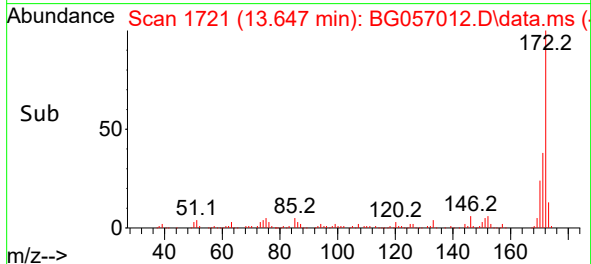
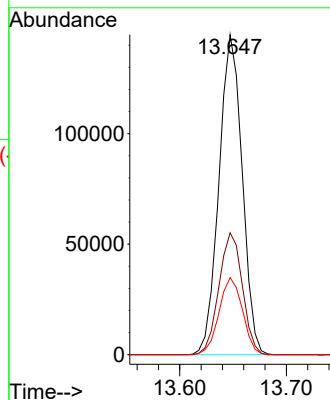
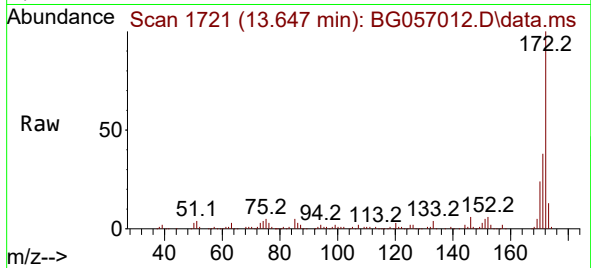




#45
2-Fluorobiphenyl
Concen: 74.934 ng
RT: 13.647 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG057012.D
Acq: 6 Apr 2023 14:47

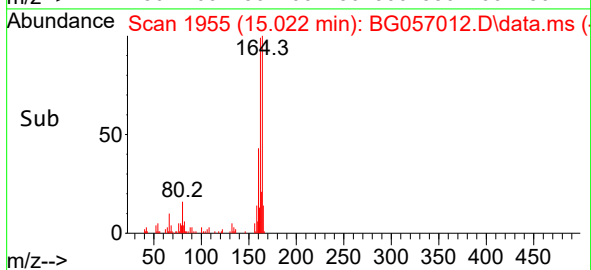
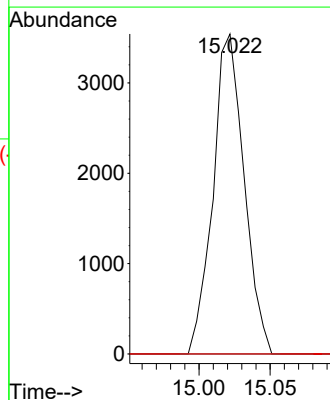
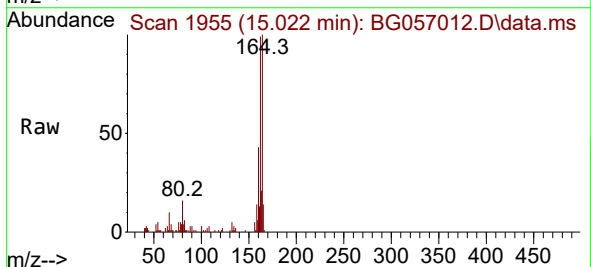
Instrument :
BNA_G
ClientSampleId :
RO-124035

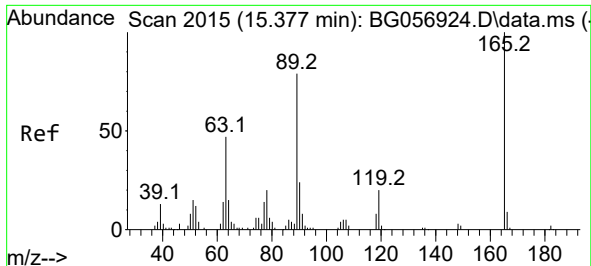
Tgt Ion:172 Resp: 218535
Ion Ratio Lower Upper
172 100
171 38.1 30.6 46.0
170 24.1 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 7.999 ng
RT: 15.022 min Scan# 1955
Delta R.T. 0.435 min
Lab File: BG057012.D
Acq: 6 Apr 2023 14:47

Tgt Ion:165 Resp: 5385
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: 5.671 ng

RT: 15.022 min Scan# 1955

Delta R.T. -0.353 min

Lab File: BG057012.D

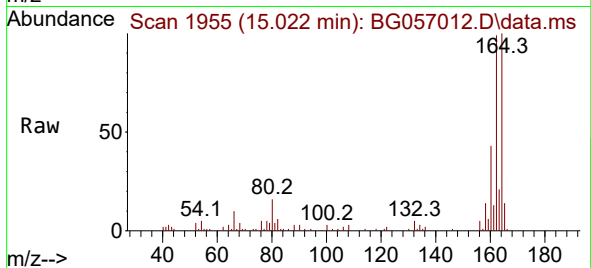
Acq: 6 Apr 2023 14:47

Instrument :

BNA_G

ClientSampleId :

RO-124035



Tgt Ion:165 Resp: 5385

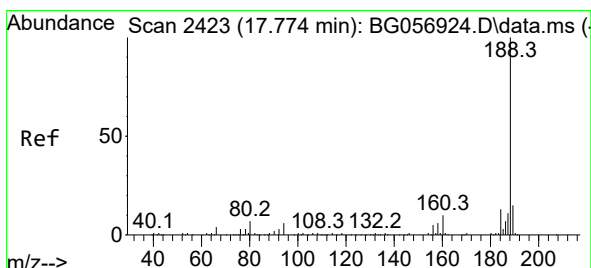
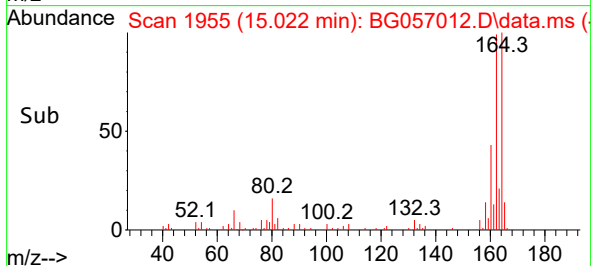
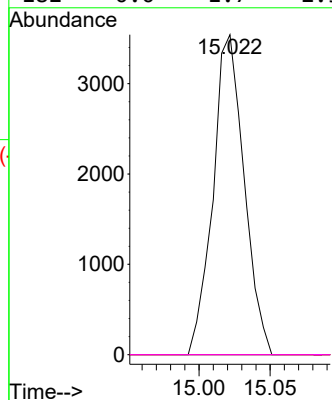
Ion Ratio Lower Upper

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: 17.759 min Scan# 2421

Delta R.T. -0.006 min

Lab File: BG057012.D

Acq: 6 Apr 2023 14:47

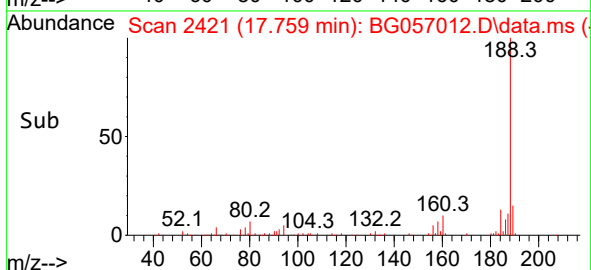
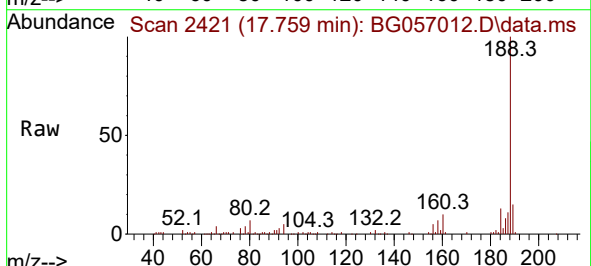
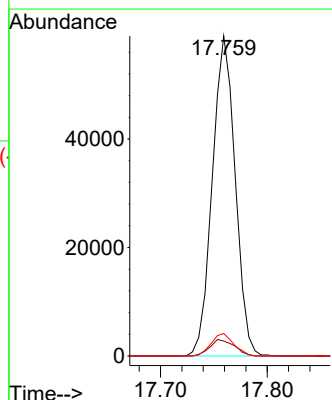
Tgt Ion:188 Resp: 87762

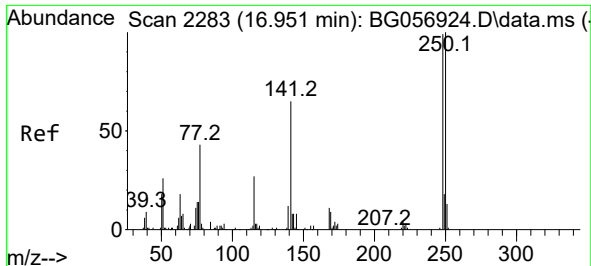
Ion Ratio Lower Upper

188 100

94 4.6 4.6 6.8

80 7.0 5.5 8.3

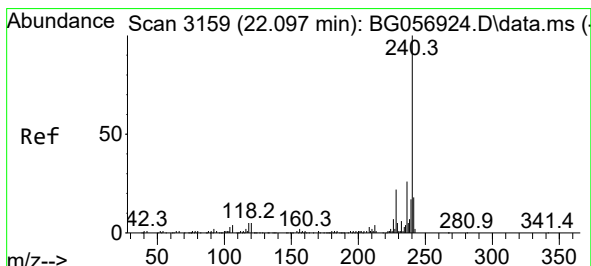
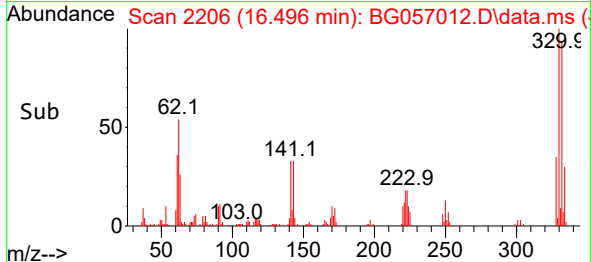
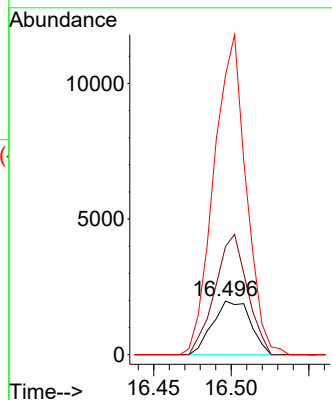
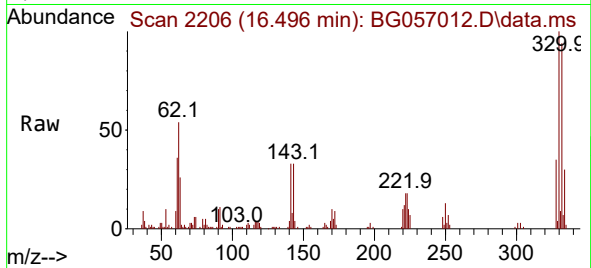




#67
4-Bromophenyl-phenylether
Concen: 3.086 ng
RT: 16.496 min Scan# 21
Delta R.T. -0.441 min
Lab File: BG057012.D
Acq: 6 Apr 2023 14:47

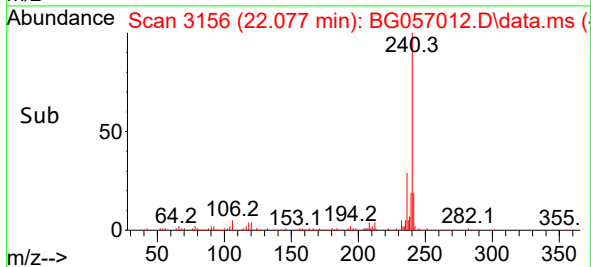
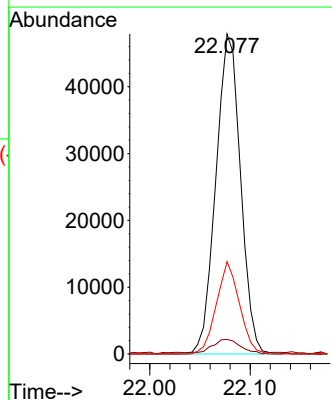
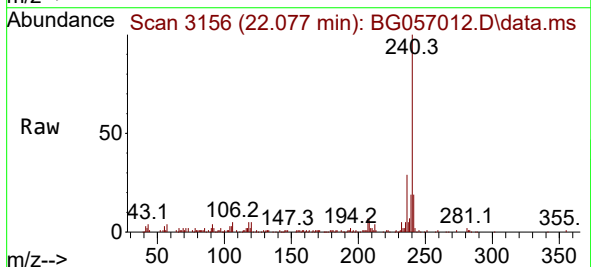
Instrument :
BNA_G
ClientSampleId :
RO-124035

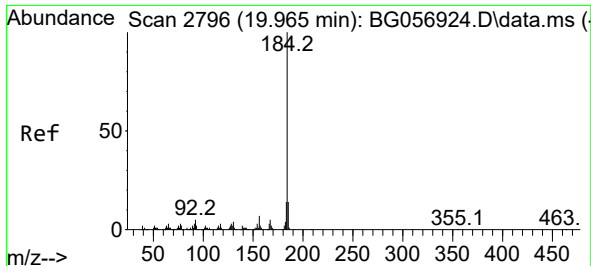
Tgt Ion:248 Resp: 3351
Ion Ratio Lower Upper
248 100
250 202.0 80.5 120.7#
141 521.3 52.0 78.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.077 min Scan# 3156
Delta R.T. -0.012 min
Lab File: BG057012.D
Acq: 6 Apr 2023 14:47

Tgt Ion:240 Resp: 81526
Ion Ratio Lower Upper
240 100
120 4.5 3.8 5.6
236 28.9 21.0 31.6

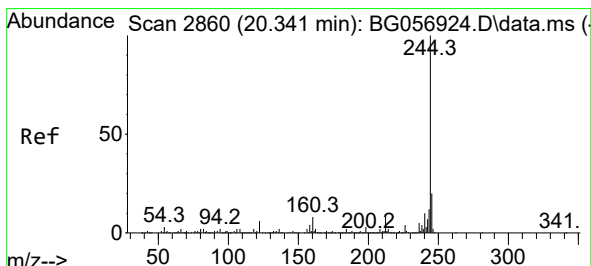
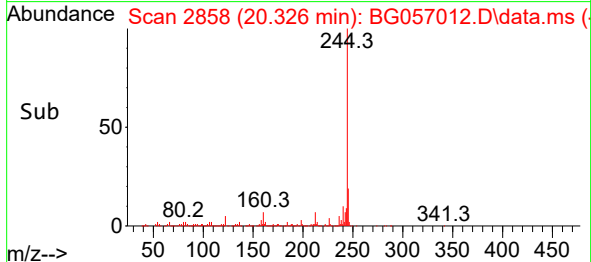
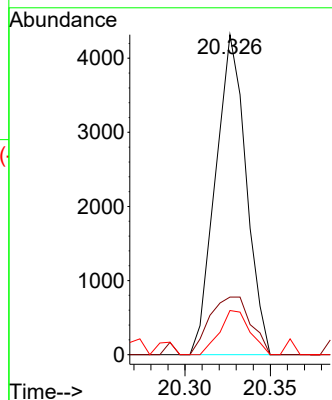
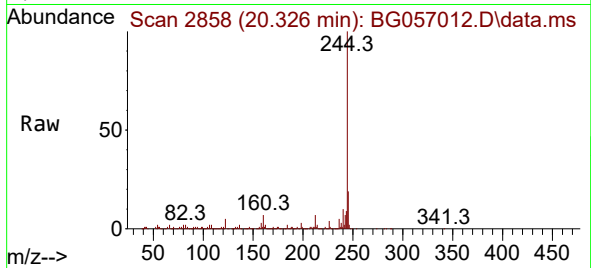




#77
Benzidine
Concen: 2.420 ng
RT: 20.326 min Scan# 2858
Delta R.T. 0.370 min
Lab File: BG057012.D
Acq: 6 Apr 2023 14:47

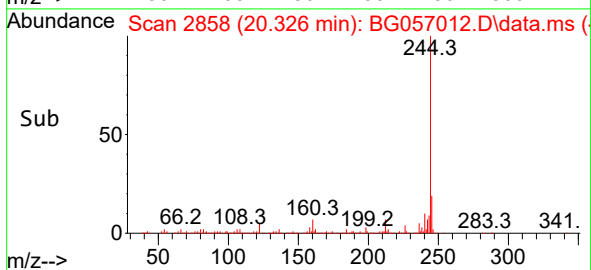
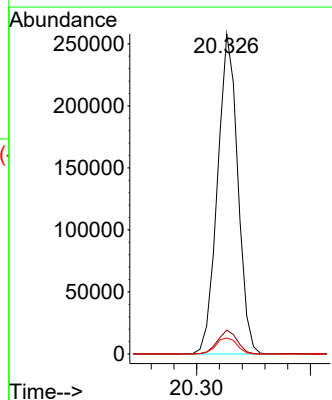
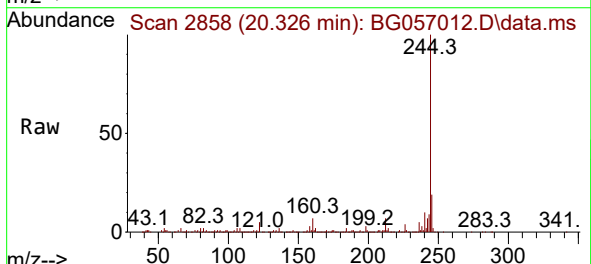
Instrument :
BNA_G
ClientSampleId :
RO-124035

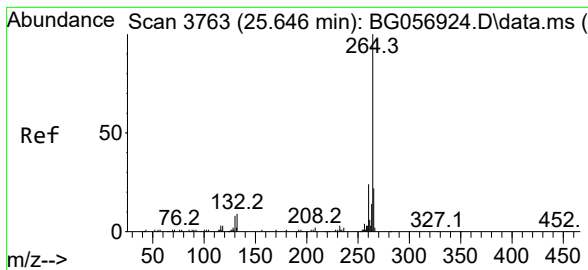
Tgt Ion:184 Resp: 5392
Ion Ratio Lower Upper
184 100
185 18.0 11.0 16.4#
183 13.8 11.4 17.0



#79
Terphenyl-d14
Concen: 66.339 ng
RT: 20.326 min Scan# 2858
Delta R.T. -0.006 min
Lab File: BG057012.D
Acq: 6 Apr 2023 14:47

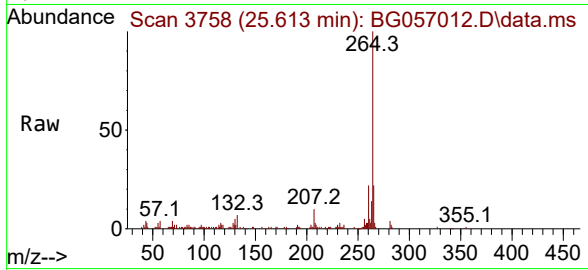
Tgt Ion:244 Resp: 319613
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 5.0 5.0 7.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.613 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG057012.D
Acq: 6 Apr 2023 14:47

Instrument :
BNA_G
ClientSampleId :
RO-124035



Tgt Ion:264 Resp: 92934

Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.0	28.4
265	21.8	17.8	26.6

