

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041023\
 Data File : BG057041.D
 Acq On : 10 Apr 2023 12:00
 Operator : CG/JU
 Sample : 02224-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OU3-FC-BACKFILL-01

Quant Time: Apr 11 04:11:56 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)

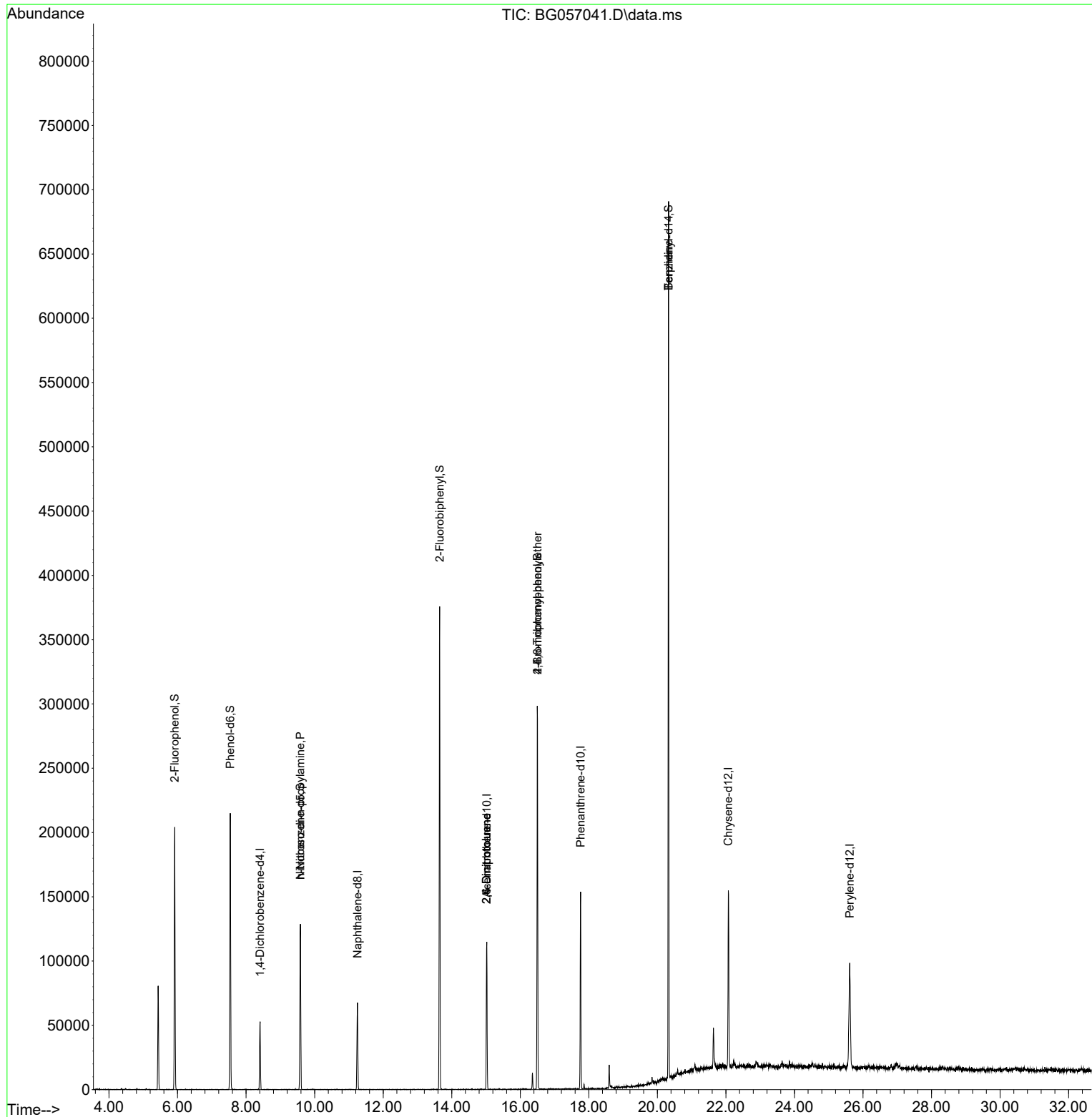
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.408	152	14277	20.000	ng	0.00
21) Naphthalene-d8	11.251	136	58076	20.000	ng	# 0.00
39) Acenaphthene-d10	15.023	164	42136	20.000	ng	0.00
64) Phenanthrene-d10	17.760	188	98302	20.000	ng	# 0.00
76) Chrysene-d12	22.072	240	84330	20.000	ng	-0.01
86) Perylene-d12	25.614	264	93883	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.917	112	84657	94.900	ng	0.00
7) Phenol-d6	7.539	99	121810	91.299	ng	0.00
23) Nitrobenzene-d5	9.583	82	81192	57.204	ng	0.00
42) 2,4,6-Tribromophenol	16.503	330	60637	90.081	ng	0.00
45) 2-Fluorobiphenyl	13.648	172	190812	61.407	ng	0.00
79) Terphenyl-d14	20.327	244	341845	68.594	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.583	70	11513	12.064	ng	# 72
51) 2,6-Dinitrotoluene	15.017	165	5202	7.252	ng	# 18
57) 2,4-Dinitrotoluene	15.017	165	5202	5.142	ng	# 18
67) 4-Bromophenyl-phenylether	16.503	248	3658	3.007	ng	# 1
77) Benzidine	20.327	184	5500	2.386	ng	# 92

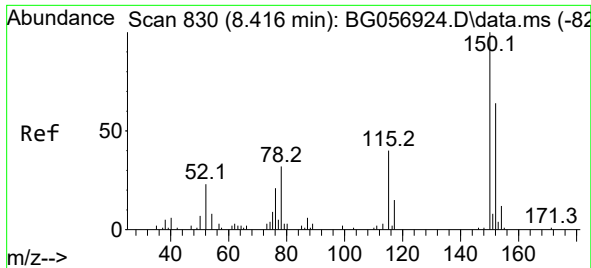
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 11 04:11:56 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

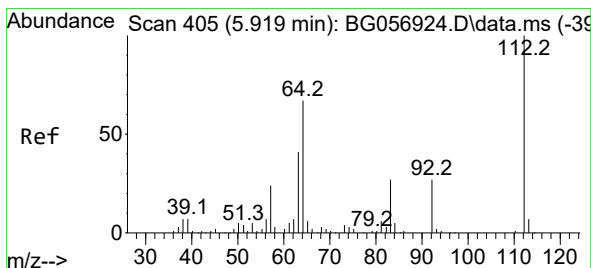
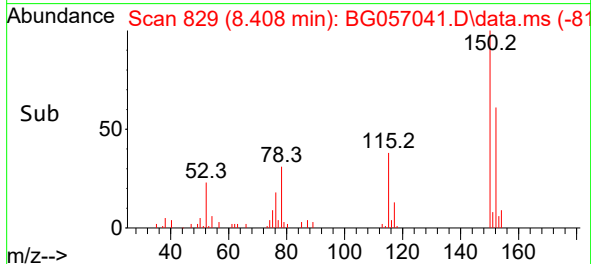
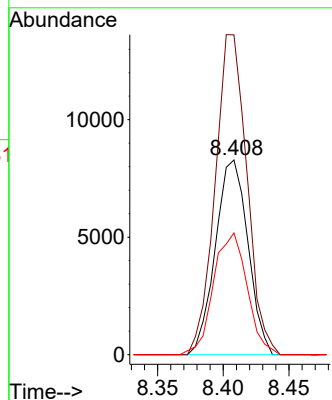
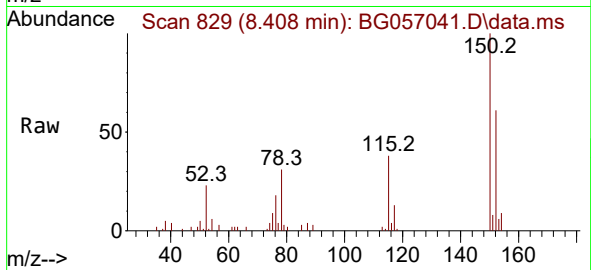




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.408 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG057041.D
Acq: 10 Apr 2023 12:00

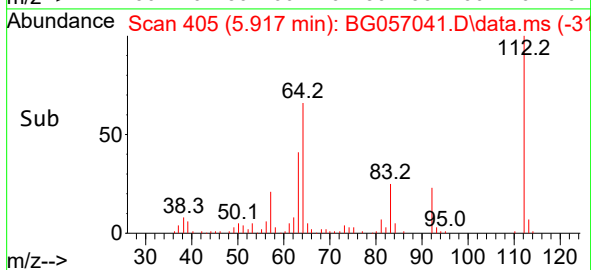
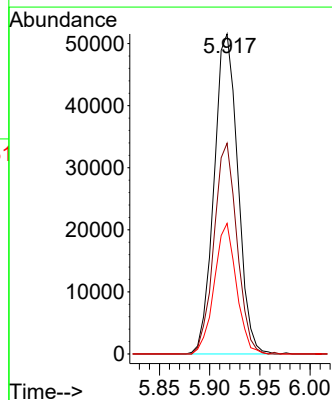
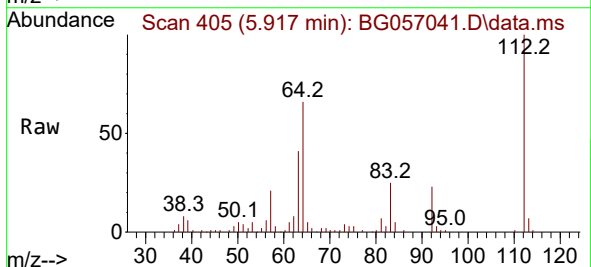
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-01

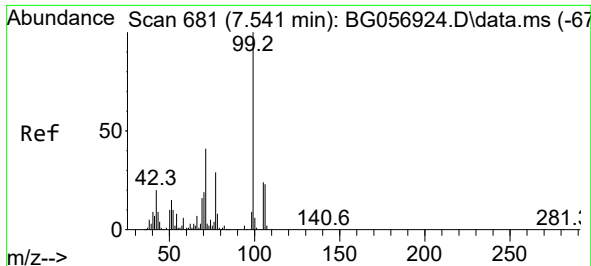
Tgt Ion:152 Resp: 14277
Ion Ratio Lower Upper
152 100
150 164.2 124.1 186.1
115 62.5 49.1 73.7



#5
2-Fluorophenol
Concen: 94.900 ng
RT: 5.917 min Scan# 405
Delta R.T. 0.000 min
Lab File: BG057041.D
Acq: 10 Apr 2023 12:00

Tgt Ion:112 Resp: 84657
Ion Ratio Lower Upper
112 100
64 65.8 53.2 79.8
63 40.8 32.6 48.8

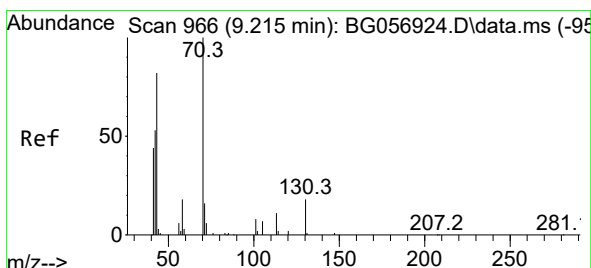
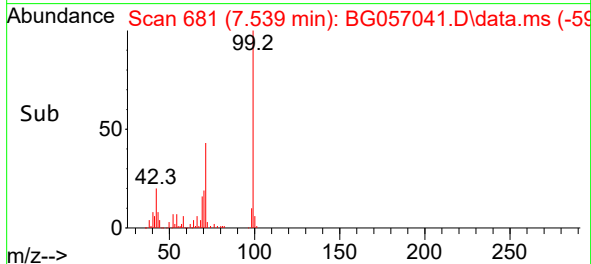
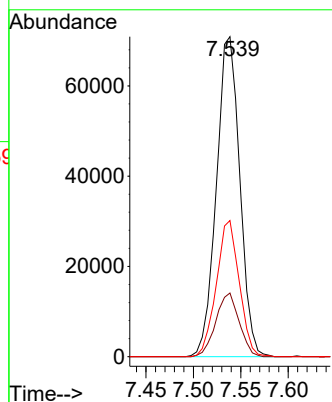
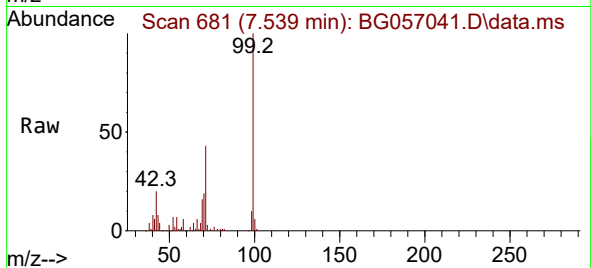




#7
Phenol-d6
Concen: 91.299 ng
RT: 7.539 min Scan# 681
Delta R.T. 0.000 min
Lab File: BG057041.D
Acq: 10 Apr 2023 12:00

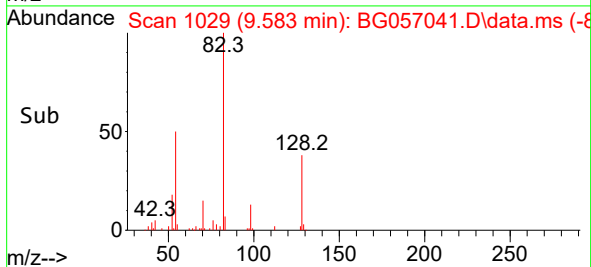
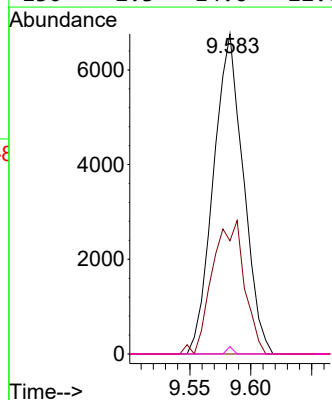
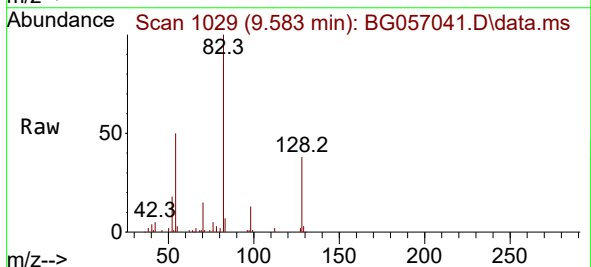
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-01

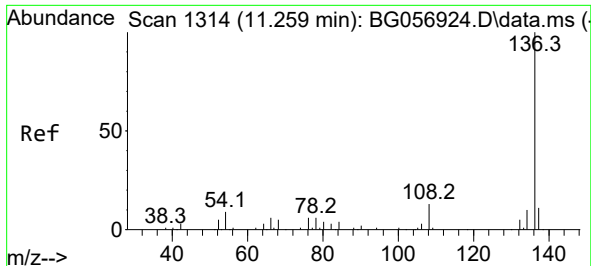
Tgt Ion: 99 Resp: 121810
Ion Ratio Lower Upper
99 100
42 19.9 15.7 23.5
71 42.5 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.064 ng
RT: 9.583 min Scan# 1029
Delta R.T. 0.370 min
Lab File: BG057041.D
Acq: 10 Apr 2023 12:00

Tgt Ion: 70 Resp: 11513
Ion Ratio Lower Upper
70 100
42 35.3 43.4 65.0#
101 0.0 6.2 9.2#
130 2.3 14.6 22.0#

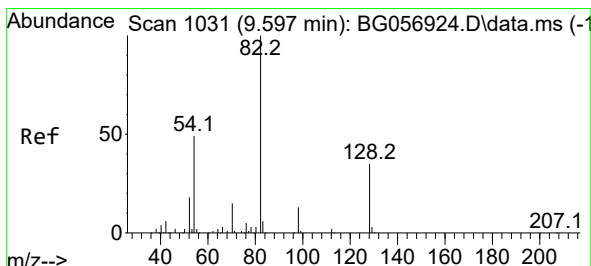
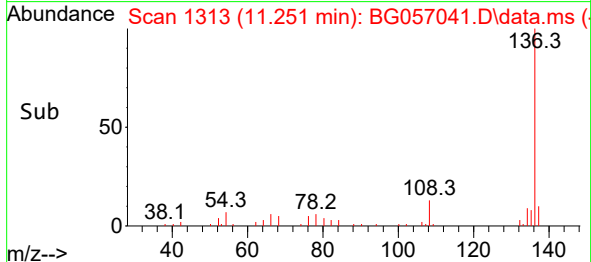
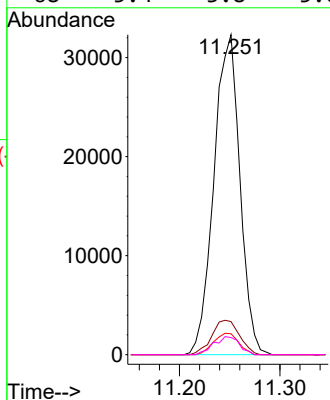
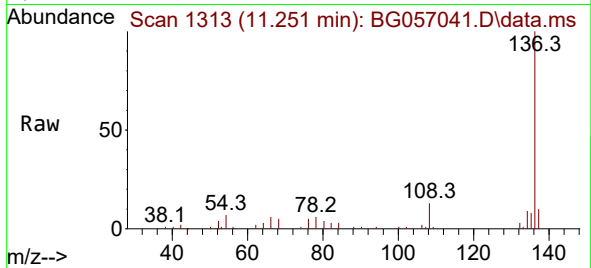




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.251 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG057041.D
Acq: 10 Apr 2023 12:00

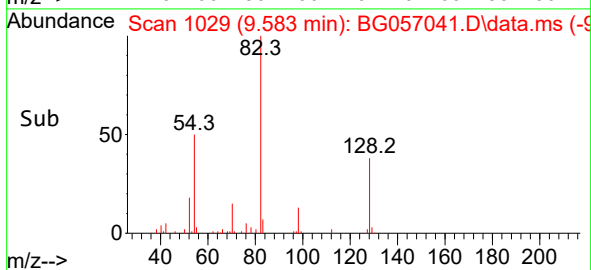
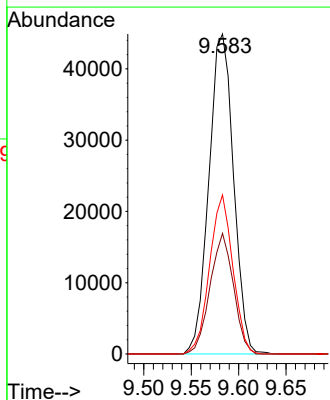
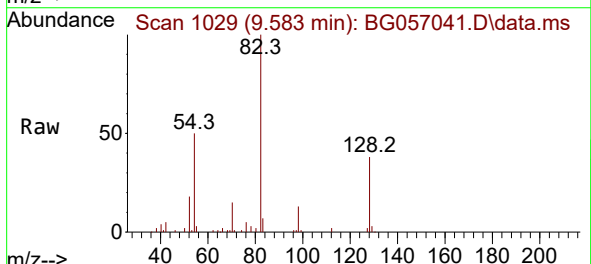
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-01

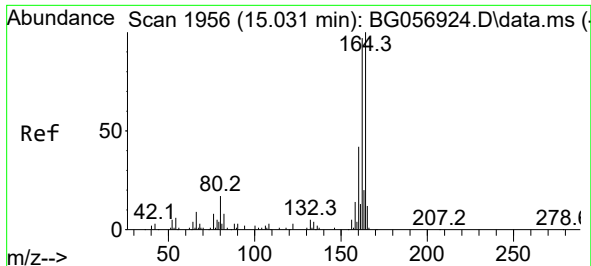
Tgt Ion:136	Resp:	58076
Ion Ratio	Lower	Upper
136	100	
137	10.4	8.6 13.0
54	6.6	6.9 10.3#
68	5.4	3.8 5.6



#23
Nitrobenzene-d5
Concen: 57.204 ng
RT: 9.583 min Scan# 1029
Delta R.T. -0.005 min
Lab File: BG057041.D
Acq: 10 Apr 2023 12:00

Tgt Ion: 82	Resp:	81192
Ion Ratio	Lower	Upper
82	100	
128	37.7	27.9 41.9
54	49.7	39.4 59.2

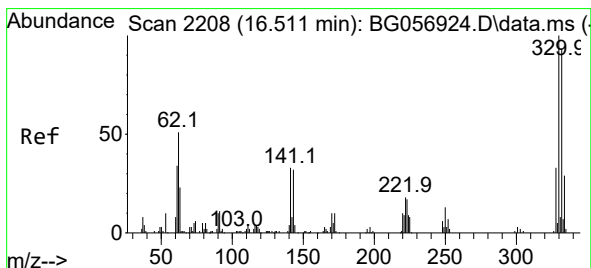
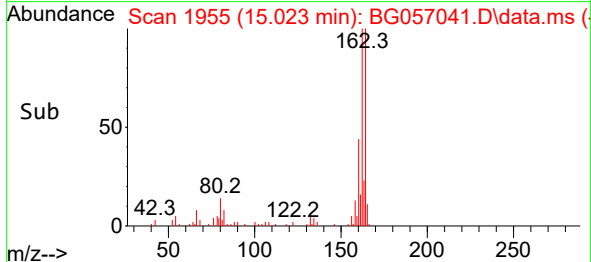
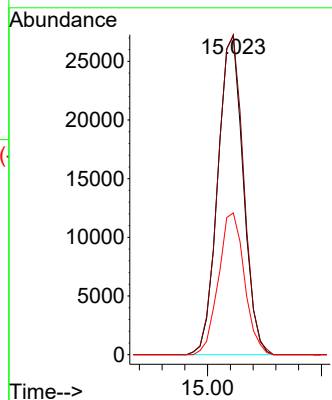
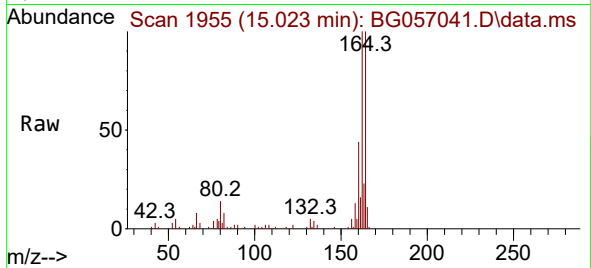




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.023 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BG057041.D
Acq: 10 Apr 2023 12:00

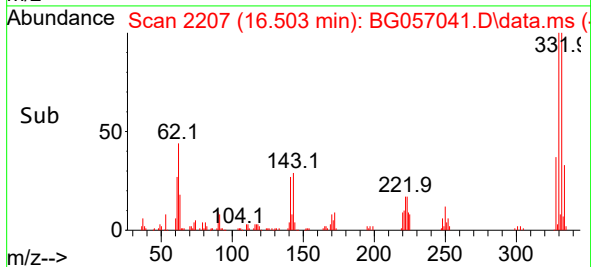
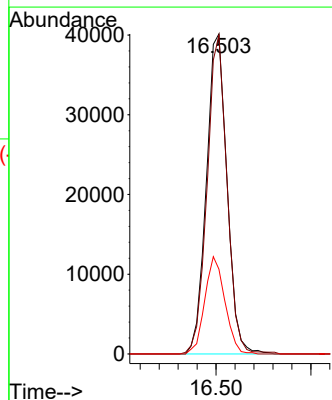
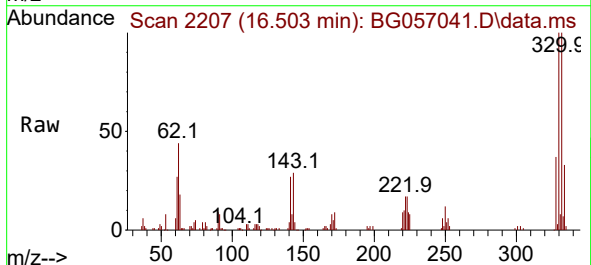
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-01

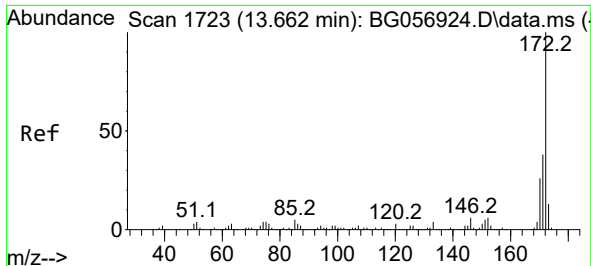
Tgt Ion:164 Resp: 42136
Ion Ratio Lower Upper
164 100
162 100.4 77.8 116.8
160 44.5 33.5 50.3



#42
2,4,6-Tribromophenol
Concen: 90.081 ng
RT: 16.503 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BG057041.D
Acq: 10 Apr 2023 12:00

Tgt Ion:330 Resp: 60637
Ion Ratio Lower Upper
330 100
332 96.0 76.1 114.1
141 29.7 25.8 38.6

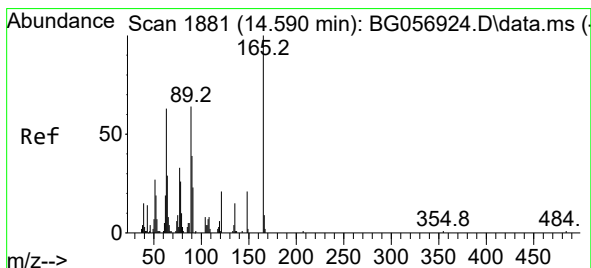
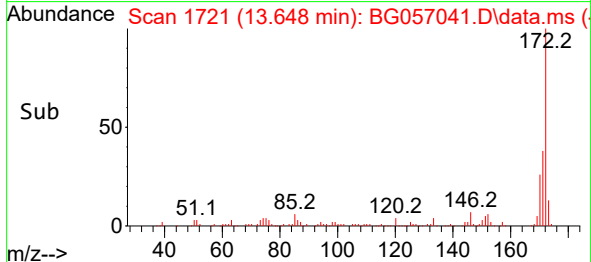
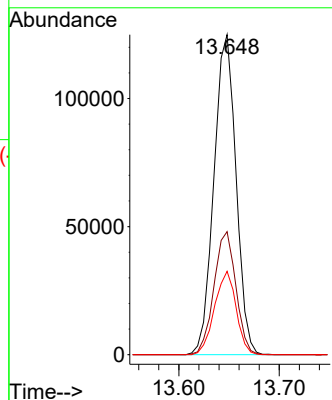
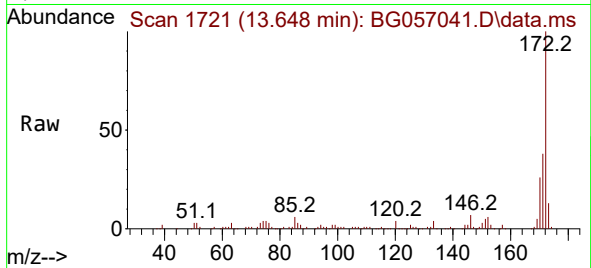




#45
2-Fluorobiphenyl
Concen: 61.407 ng
RT: 13.648 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG057041.D
Acq: 10 Apr 2023 12:00

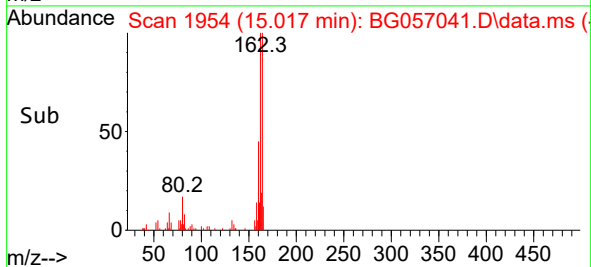
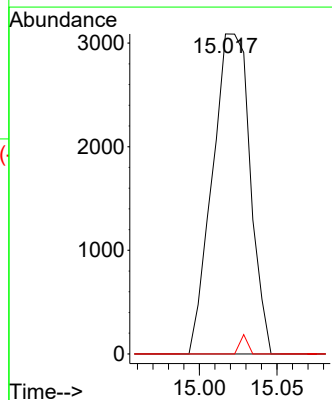
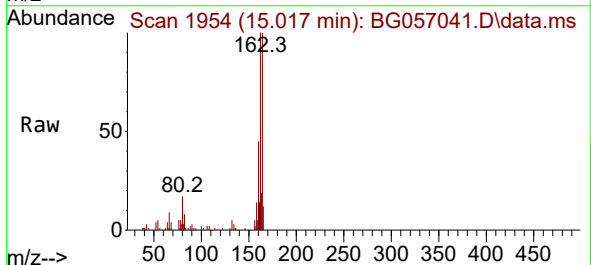
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-01

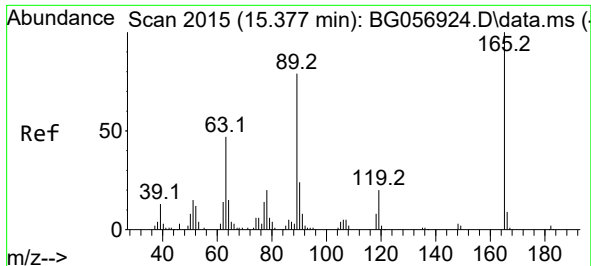
Tgt Ion:172 Resp: 190812
Ion Ratio Lower Upper
172 100
171 38.4 30.6 46.0
170 26.0 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 7.252 ng
RT: 15.017 min Scan# 1954
Delta R.T. 0.429 min
Lab File: BG057041.D
Acq: 10 Apr 2023 12:00

Tgt Ion:165 Resp: 5202
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: 5.142 ng

RT: 15.017 min Scan# 1954

Delta R.T. -0.352 min

Lab File: BG057041.D

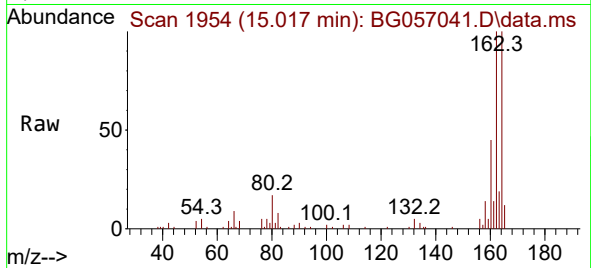
Acq: 10 Apr 2023 12:00

Instrument :

BNA_G

ClientSampleId :

OU3-FC-BACKFILL-01



Tgt Ion:165 Resp: 5202

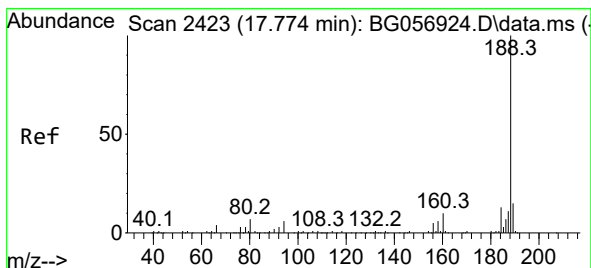
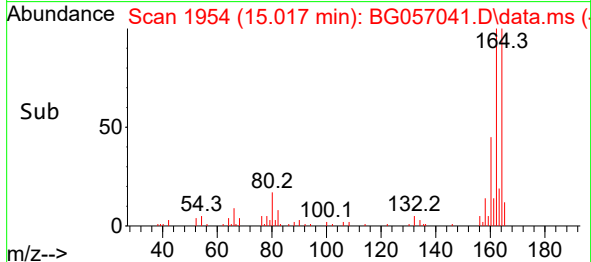
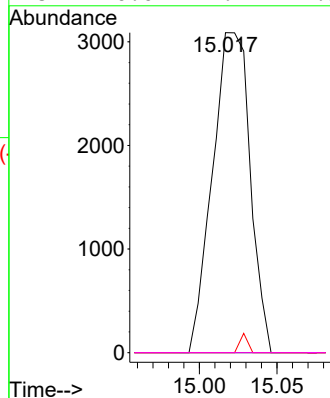
Ion Ratio Lower Upper

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: 17.760 min Scan# 2421

Delta R.T. 0.000 min

Lab File: BG057041.D

Acq: 10 Apr 2023 12:00

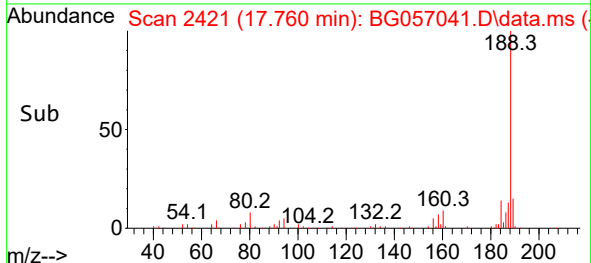
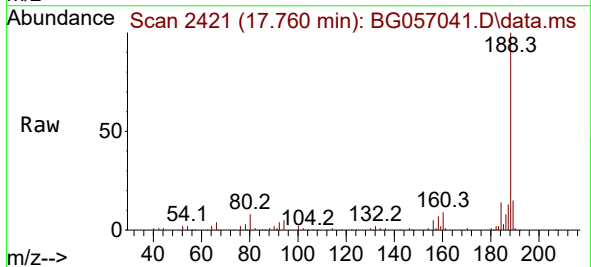
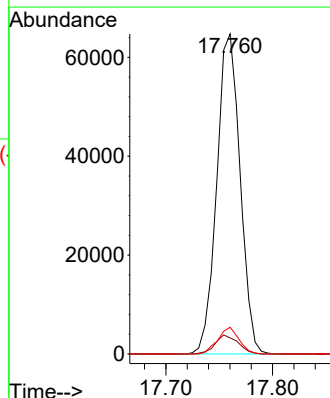
Tgt Ion:188 Resp: 98302

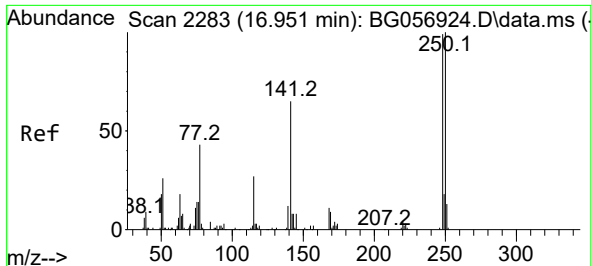
Ion Ratio Lower Upper

188 100

94 5.0 4.6 6.8

80 8.3 5.5 8.3#

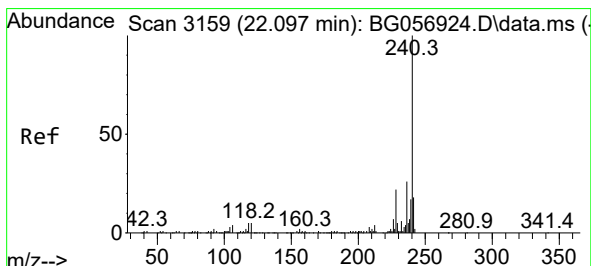
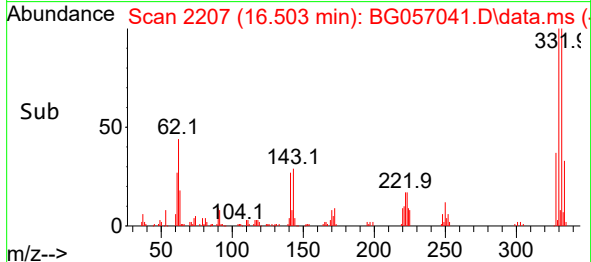
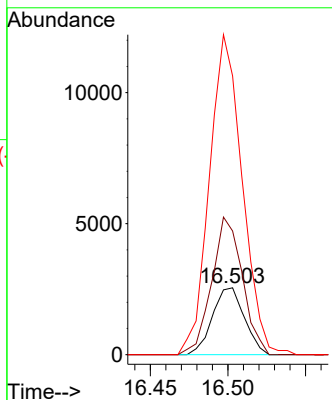
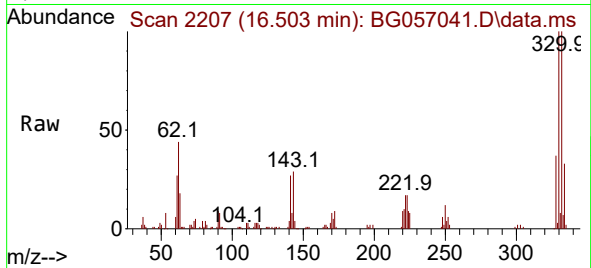




#67
4-Bromophenyl-phenylether
Concen: 3.007 ng
RT: 16.503 min Scan# 21
Delta R.T. -0.434 min
Lab File: BG057041.D
Acq: 10 Apr 2023 12:00

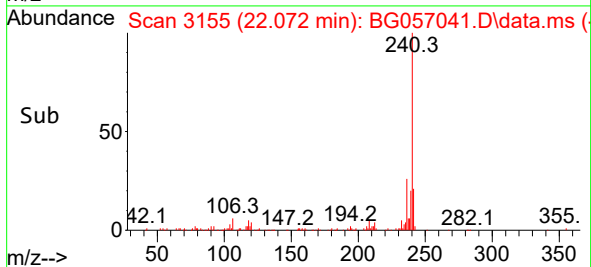
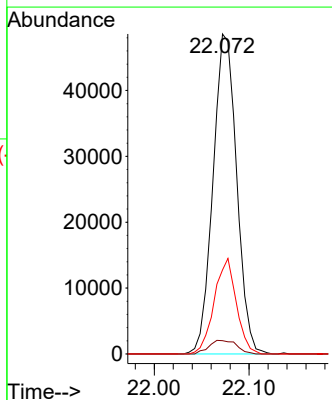
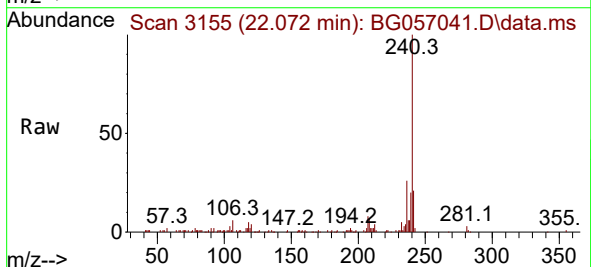
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-01

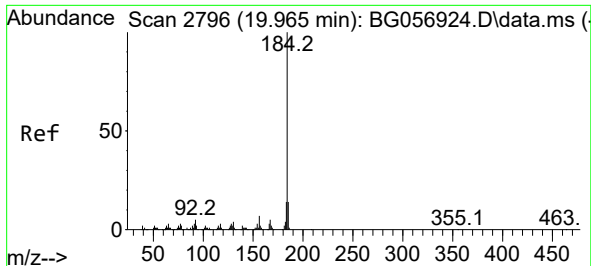
Tgt Ion:248 Resp: 3658
Ion Ratio Lower Upper
248 100
250 184.9 80.5 120.7#
141 416.4 52.0 78.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.072 min Scan# 3155
Delta R.T. -0.011 min
Lab File: BG057041.D
Acq: 10 Apr 2023 12:00

Tgt Ion:240 Resp: 84330
Ion Ratio Lower Upper
240 100
120 4.2 3.8 5.6
236 26.2 21.0 31.6

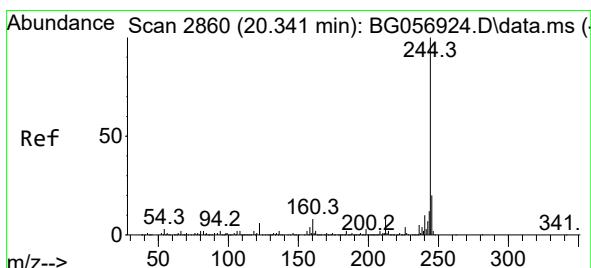
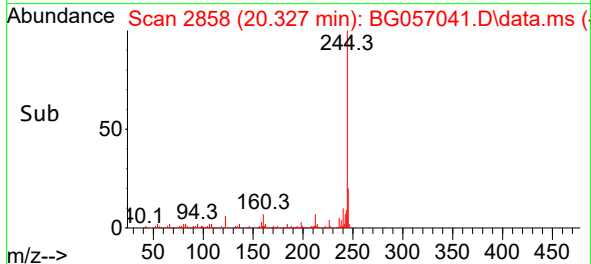
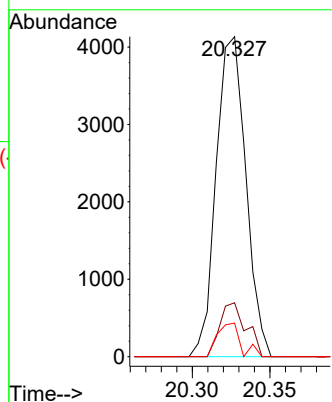
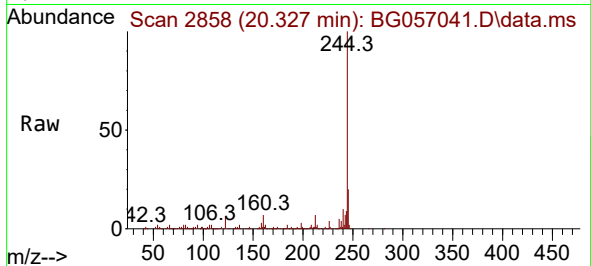




#77
Benzidine
Concen: 2.386 ng
RT: 20.327 min Scan# 2858
Delta R.T. 0.376 min
Lab File: BG057041.D
Acq: 10 Apr 2023 12:00

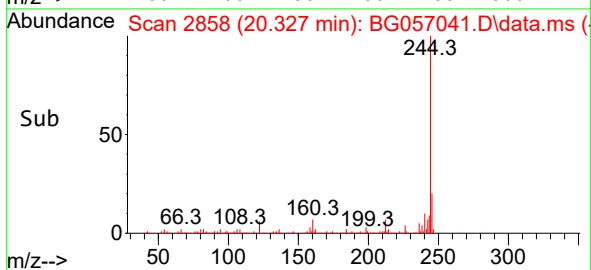
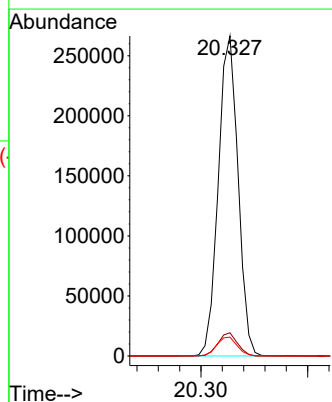
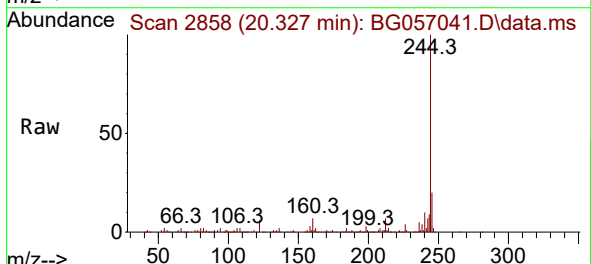
Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-01

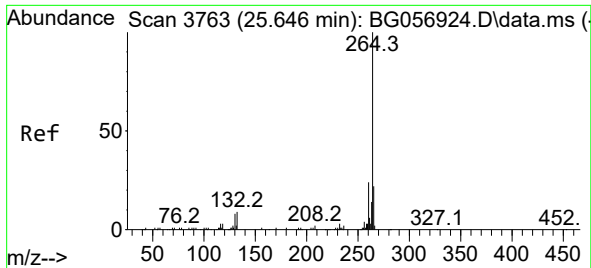
Tgt Ion:184 Resp: 5500
Ion Ratio Lower Upper
184 100
185 16.9 11.0 16.4#
183 10.5 11.4 17.0#



#79
Terphenyl-d14
Concen: 68.594 ng
RT: 20.327 min Scan# 2858
Delta R.T. 0.000 min
Lab File: BG057041.D
Acq: 10 Apr 2023 12:00

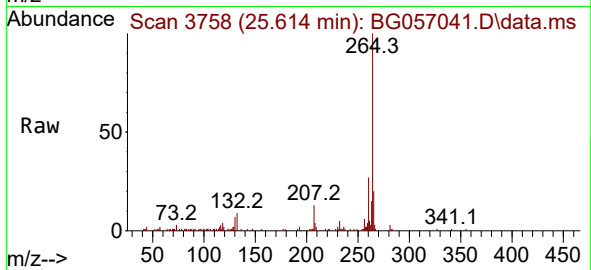
Tgt Ion:244 Resp: 341845
Ion Ratio Lower Upper
244 100
212 7.3 6.1 9.1
122 5.9 5.0 7.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.614 min Scan# 31
Delta R.T. -0.017 min
Lab File: BG057041.D
Acq: 10 Apr 2023 12:00

Instrument :
BNA_G
ClientSampleId :
OU3-FC-BACKFILL-01



Tgt Ion:264	Resp:	93883
Ion Ratio	Lower	Upper
264	100	
260	26.6	19.0 28.4
265	20.4	17.8 26.6

