

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102522\
 Data File : BG055275.D
 Acq On : 25 Oct 2022 14:01
 Operator : CG/JU
 Sample : N5222-14
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 25 14:38:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 24 16:54:05 2022
 Response via : Initial Calibration

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

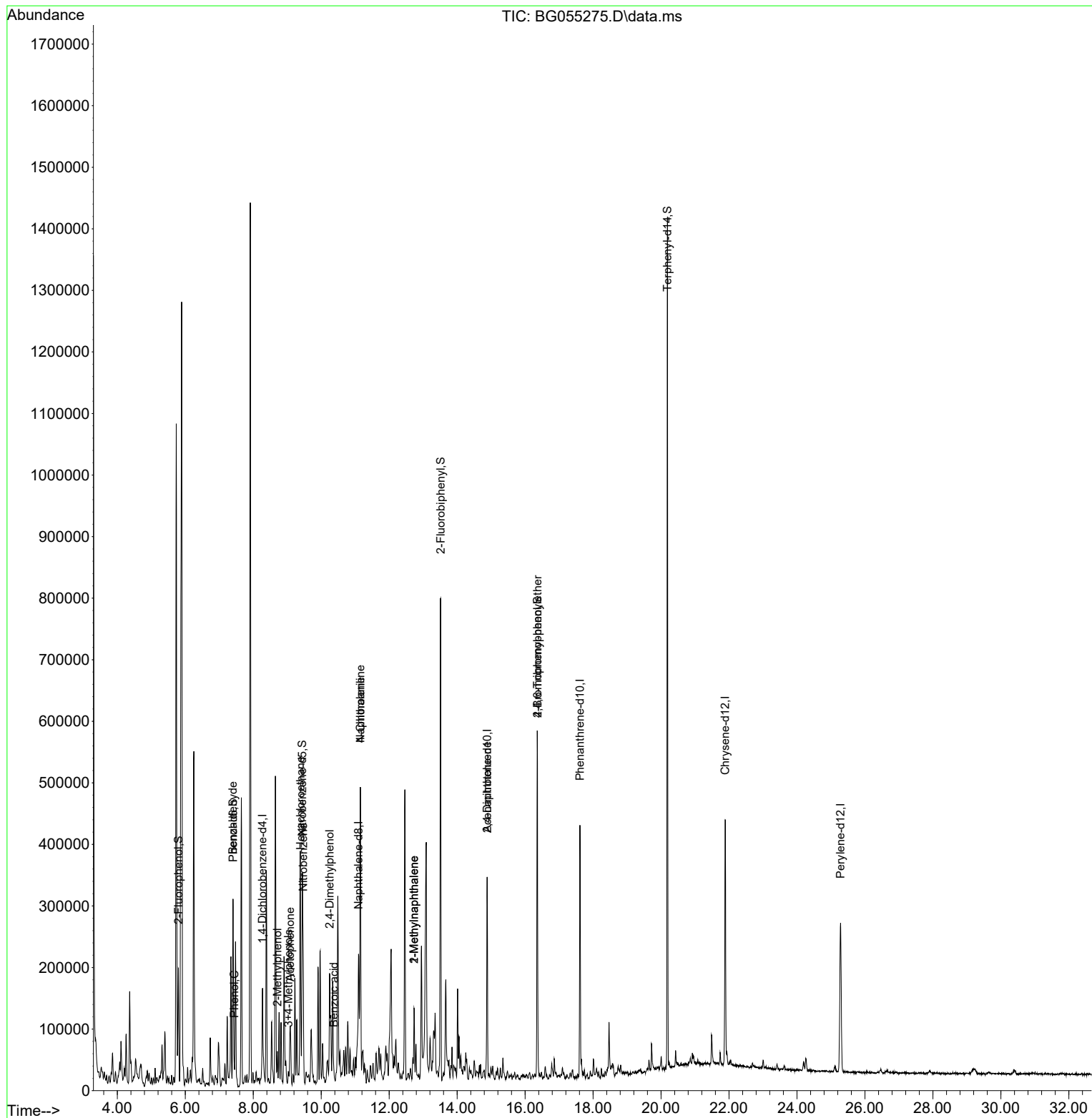
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.273	152	42235	20.000	ng	0.00
21) Naphthalene-d8	11.099	136	177102	20.000	ng	0.00
39) Acenaphthene-d10	14.883	164	115389	20.000	ng	0.00
64) Phenanthrene-d10	17.615	188	242940	20.000	ng	0.00
76) Chrysene-d12	21.887	240	241957	20.000	ng	-0.01
86) Perylene-d12	25.283	264	250358	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.800	112	84190	34.903	ng	0.00
7) Phenol-d6	7.409	99	66233	18.953	ng	0.00
23) Nitrobenzene-d5	9.442	82	189458	54.626	ng	0.00
42) 2,4,6-Tribromophenol	16.364	330	102697	81.871	ng	0.00
45) 2-Fluorobiphenyl	13.514	172	395108	56.045	ng	0.00
79) Terphenyl-d14	20.189	244	639999	54.957	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.404	77	17437	7.308	ng	# 1
10) Phenol	7.439	94	14382	3.674	ng	94
17) 2-Methylphenol	8.708	107	16403	5.925	ng	98
18) Hexachloroethane	9.389	117	42694	38.364	ng	# 1
20) 3+4-Methylphenols	9.031	107	8221	2.073	ng	98
22) Acetophenone	9.084	105	79684	17.599	ng	# 71
24) Nitrobenzene	9.466	77	7433	2.058	ng	# 1
27) 2,4-Dimethylphenol	10.247	122	74563	30.201	ng	97
31) Naphthalene	11.152	128	353364	37.402	ng	99
32) Benzoic acid	10.377	122	3330	5.773	ng	# 87
33) 4-Chloroaniline	11.152	127	50065	12.395	ng	# 36
37) 2-Methylnaphthalene	12.733	142	53274	7.821	ng	99
38) 1-Methylnaphthalene	12.733	142	53274	7.927	ng	98
57) 2,4-Dinitrotoluene	14.883	165	15239	5.696	ng	# 23
67) 4-Bromophenyl-phenylether	16.364	248	6478	2.745	ng	# 1

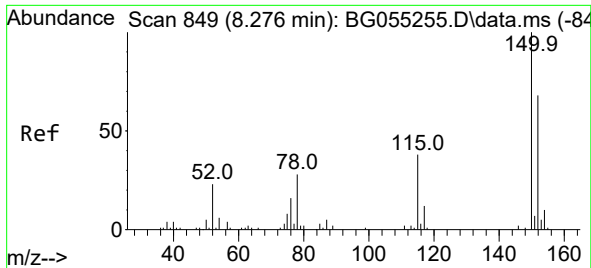
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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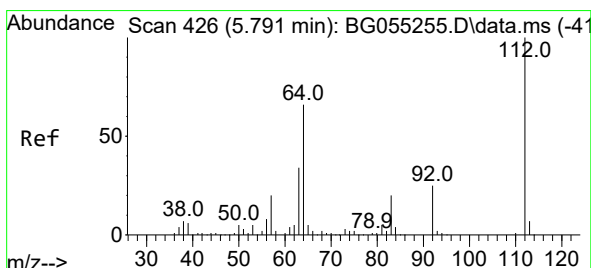
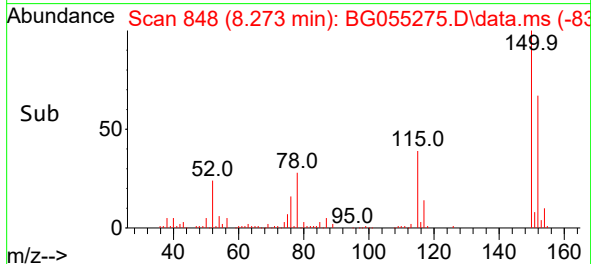
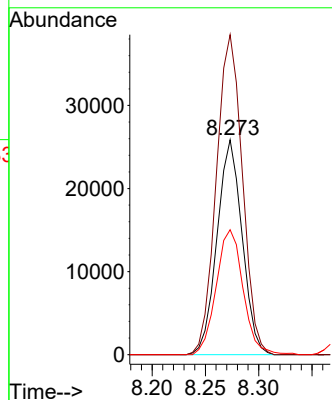
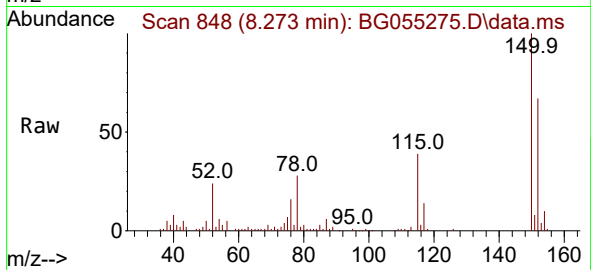




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.273 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG055275.D
Acq: 25 Oct 2022 14:01

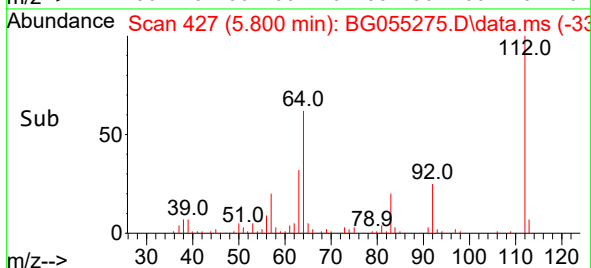
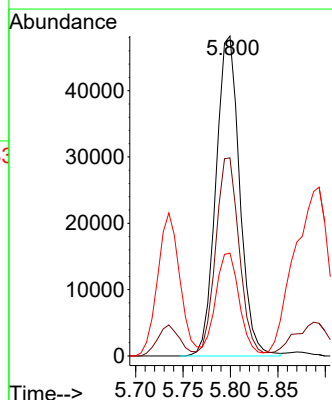
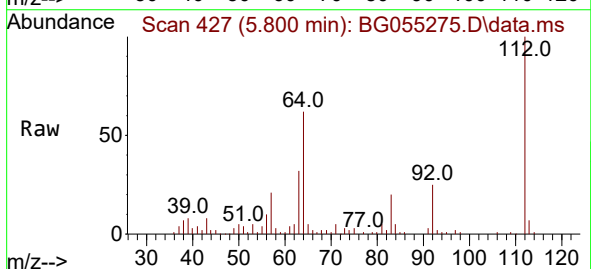
Instrument :
BNA_G
ClientSampleId :

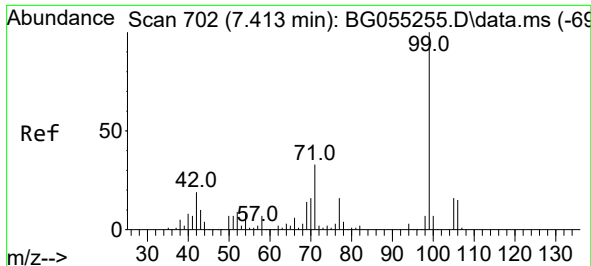
Tgt Ion:152 Resp: 42235
Ion Ratio Lower Upper
152 100
150 148.9 118.2 177.4
115 58.1 44.5 66.7



#5
2-Fluorophenol
Concen: 34.903 ng
RT: 5.800 min Scan# 427
Delta R.T. 0.009 min
Lab File: BG055275.D
Acq: 25 Oct 2022 14:01

Tgt Ion:112 Resp: 84190
Ion Ratio Lower Upper
112 100
64 61.9 52.6 78.8
63 32.1 27.1 40.7

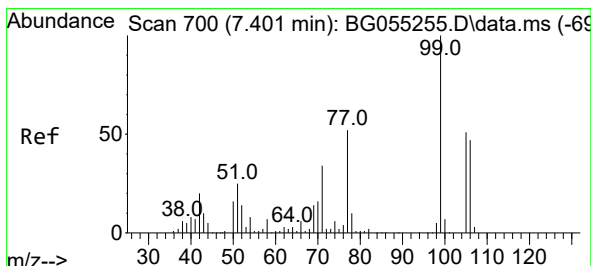
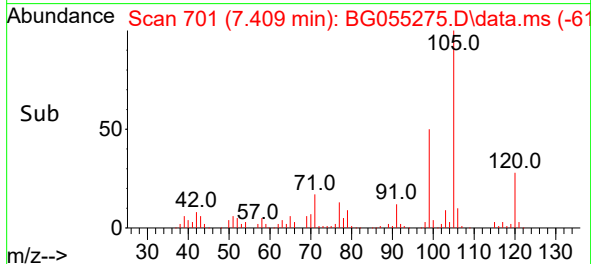
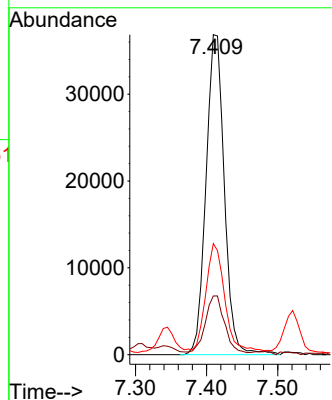
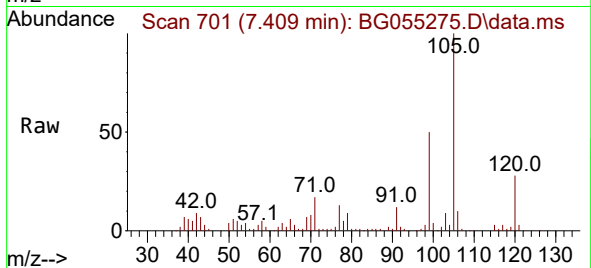




#7
Phenol-d6
Concen: 18.953 ng
RT: 7.409 min Scan# 702
Delta R.T. -0.003 min
Lab File: BG055275.D
Acq: 25 Oct 2022 14:01

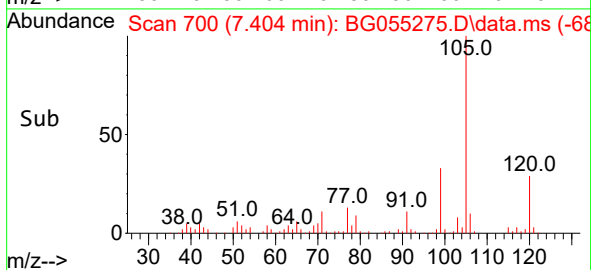
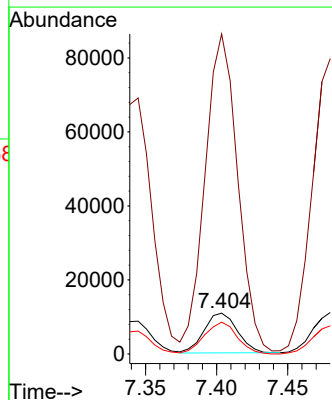
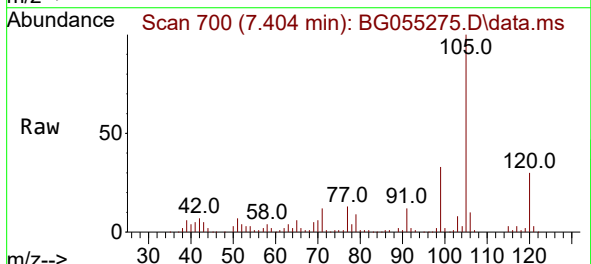
Instrument :
BNA_G
ClientSampleId :

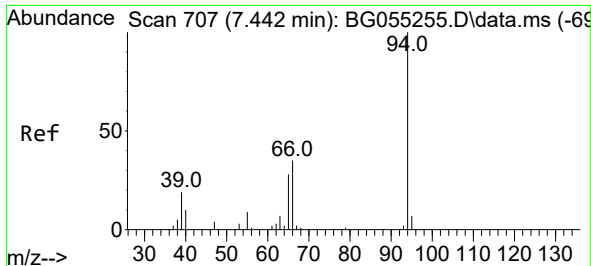
Tgt Ion: 99 Resp: 66233
Ion Ratio Lower Upper
99 100
42 18.4 15.2 22.8
71 34.7 26.2 39.4



#9
Benzaldehyde
Concen: 7.308 ng
RT: 7.404 min Scan# 700
Delta R.T. 0.003 min
Lab File: BG055275.D
Acq: 25 Oct 2022 14:01

Tgt Ion: 77 Resp: 17437
Ion Ratio Lower Upper
77 100
105 784.1 77.9 117.9#
106 78.0 69.9 109.9

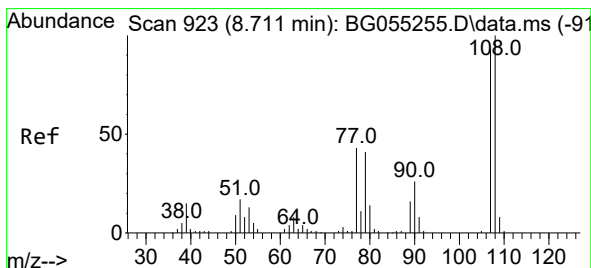
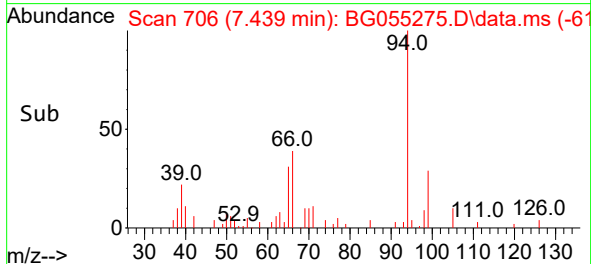
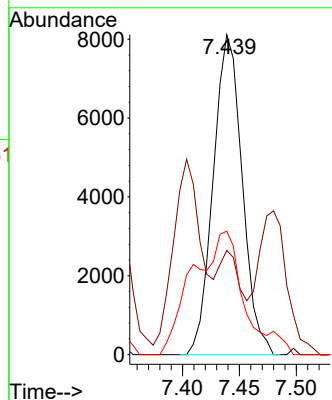
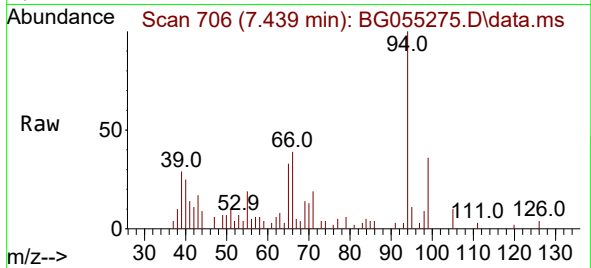




#10
Phenol
Concen: 3.674 ng
RT: 7.439 min Scan# 707
Delta R.T. -0.003 min
Lab File: BG055275.D
Acq: 25 Oct 2022 14:01

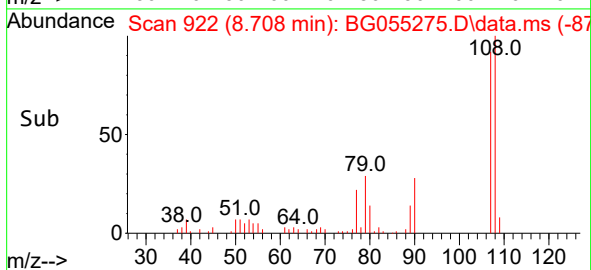
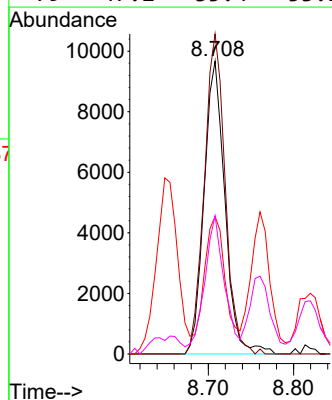
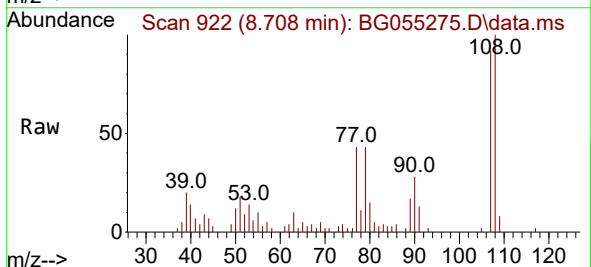
Instrument :
BNA_G
ClientSampleId :

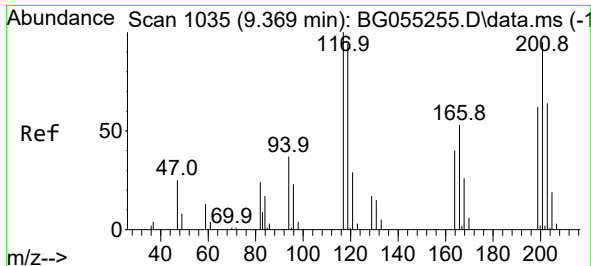
Tgt Ion: 94 Resp: 14382
Ion Ratio Lower Upper
94 100
65 32.6 8.4 48.4
66 38.6 16.3 56.3



#17
2-Methylphenol
Concen: 5.925 ng
RT: 8.708 min Scan# 922
Delta R.T. -0.003 min
Lab File: BG055275.D
Acq: 25 Oct 2022 14:01

Tgt Ion: 107 Resp: 16403
Ion Ratio Lower Upper
107 100
108 109.3 86.0 129.0
77 47.0 37.4 56.0
79 47.2 35.4 53.2





#18

Hexachloroethane

Concen: 38.364 ng

RT: 9.389 min Scan# 1035

Delta R.T. 0.020 min

Lab File: BG055275.D

Acq: 25 Oct 2022 14:01

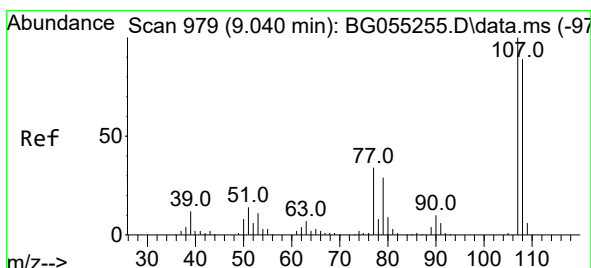
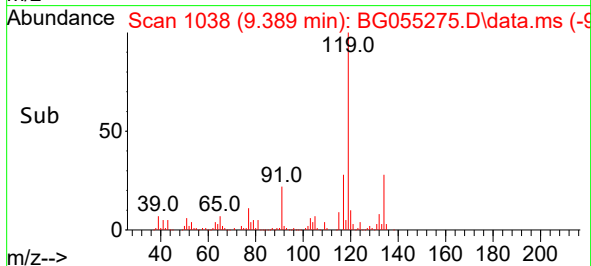
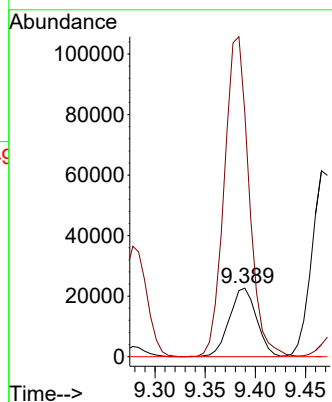
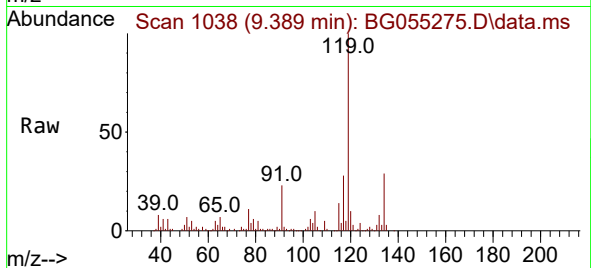
Instrument :

BNA_G

ClientSampleId :

Tgt Ion:117 Resp: 42694

Ion	Ratio	Lower	Upper
117	100		
119	355.4	75.4	113.2#
201	0.0	75.8	113.8#



#20

3+4-Methylphenols

Concen: 2.073 ng

RT: 9.031 min Scan# 977

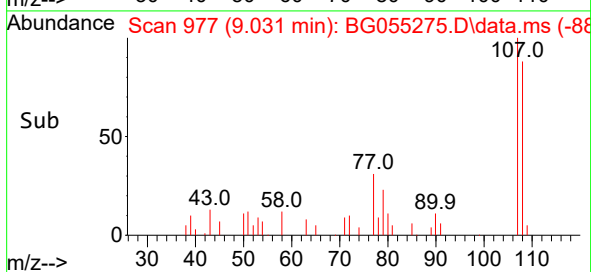
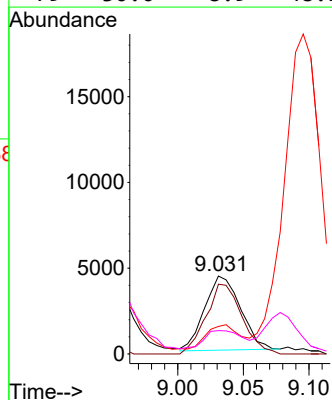
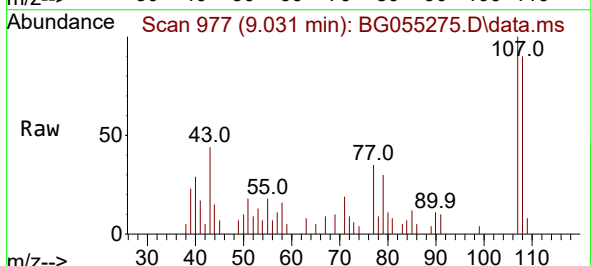
Delta R.T. -0.009 min

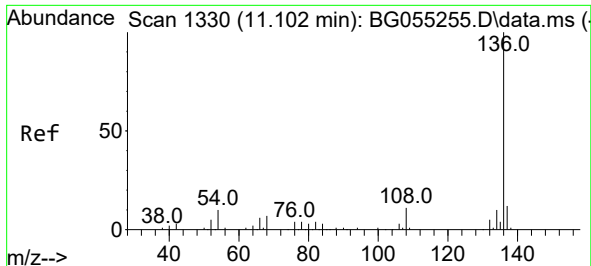
Lab File: BG055275.D

Acq: 25 Oct 2022 14:01

Tgt Ion:107 Resp: 8221

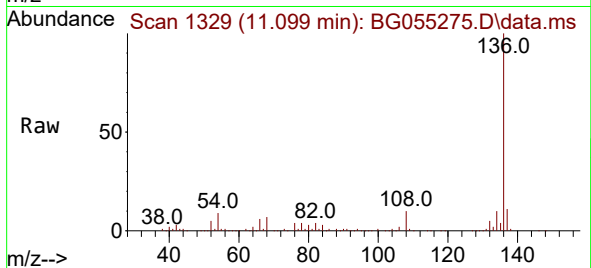
Ion	Ratio	Lower	Upper
107	100		
108	89.5	68.5	108.5
77	35.4	14.0	54.0
79	30.0	8.9	48.9



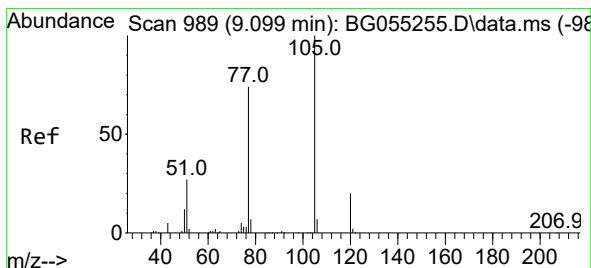
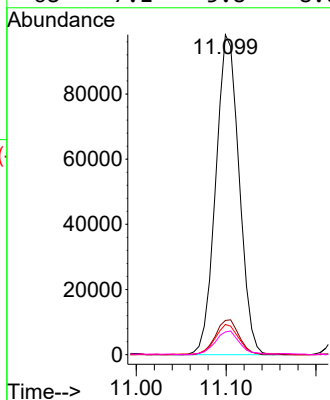
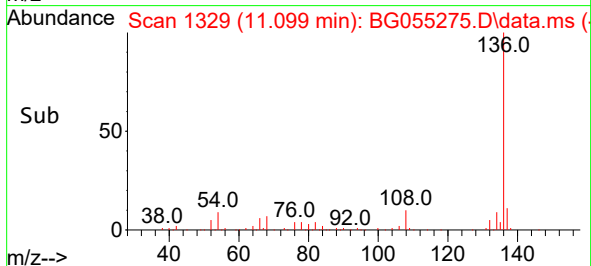


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.099 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG055275.D
Acq: 25 Oct 2022 14:01

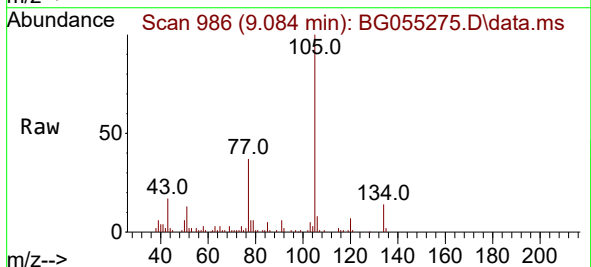
Instrument :
BNA_G
ClientSampleId :



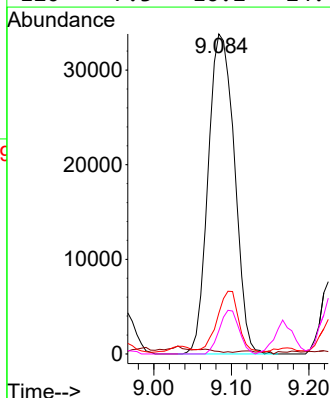
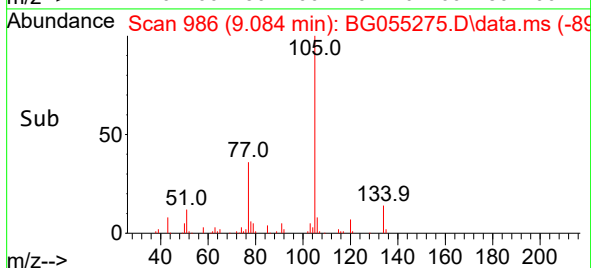
Tgt Ion:136 Resp: 177102
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 9.5 7.8 11.8
68 7.1 5.8 8.6

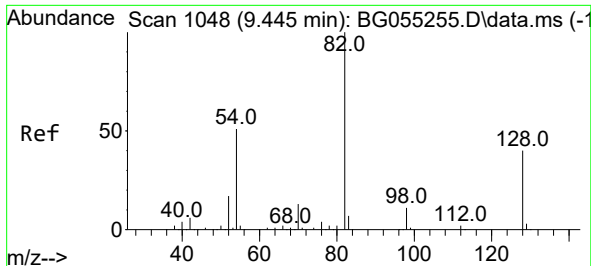


#22
Acetophenone
Concen: 17.599 ng
RT: 9.084 min Scan# 986
Delta R.T. -0.015 min
Lab File: BG055275.D
Acq: 25 Oct 2022 14:01



Tgt Ion:105 Resp: 79684
Ion Ratio Lower Upper
105 100
71 0.8 0.8 1.2
51 12.8 22.9 34.3#
120 7.3 16.2 24.4#





#23

Nitrobenzene-d5

Concen: 54.626 ng

RT: 9.442 min Scan# 1047

Delta R.T. -0.003 min

Lab File: BG055275.D

Acq: 25 Oct 2022 14:01

Instrument :

BNA_G

ClientSampleId :

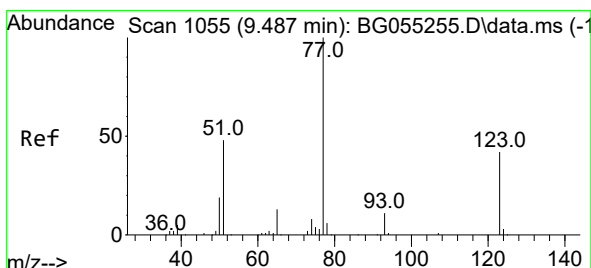
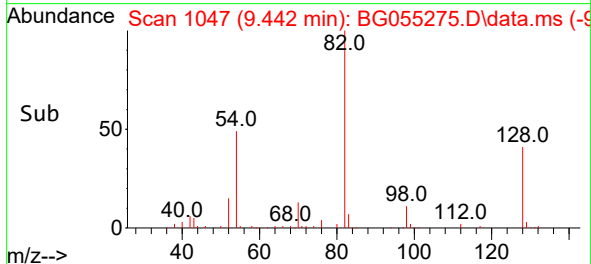
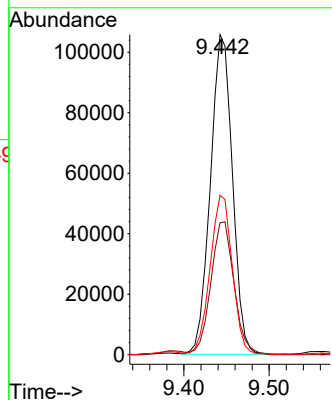
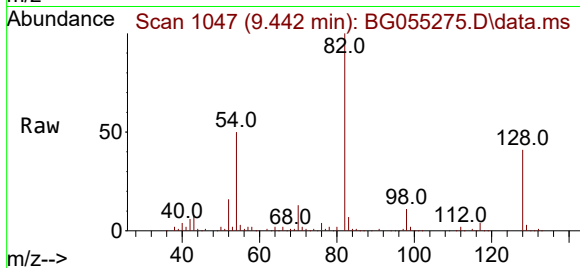
Tgt Ion: 82 Resp: 189458

Ion Ratio Lower Upper

82 100

128 41.3 32.0 48.0

54 49.8 40.9 61.3



#24

Nitrobenzene

Concen: 2.058 ng

RT: 9.466 min Scan# 1051

Delta R.T. -0.021 min

Lab File: BG055275.D

Acq: 25 Oct 2022 14:01

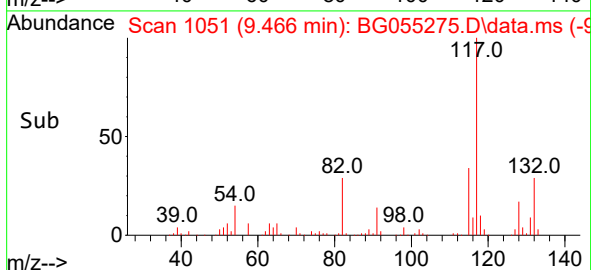
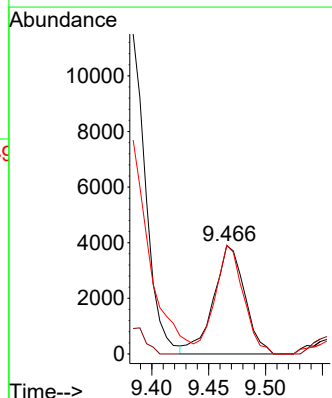
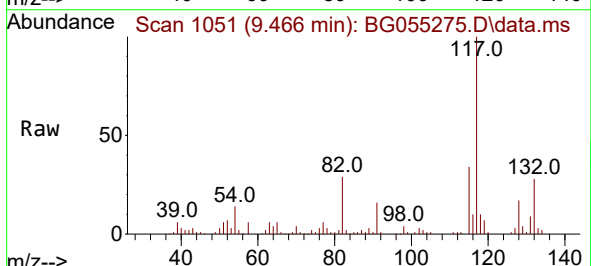
Tgt Ion: 77 Resp: 7433

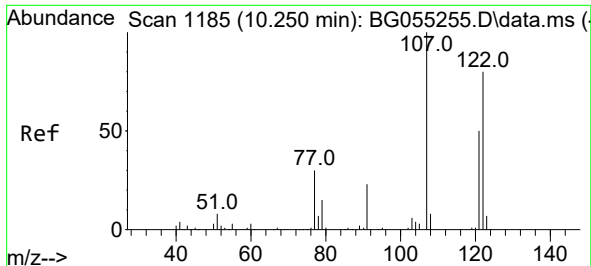
Ion Ratio Lower Upper

77 100

123 0.0 33.6 50.4#

65 100.2 10.2 15.4#





#27

2,4-Dimethylphenol

Concen: 30.201 ng

RT: 10.247 min Scan# 1184

Delta R.T. -0.003 min

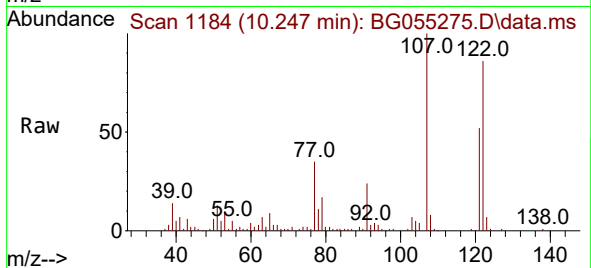
Lab File: BG055275.D

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BNA_G

ClientSampleId :



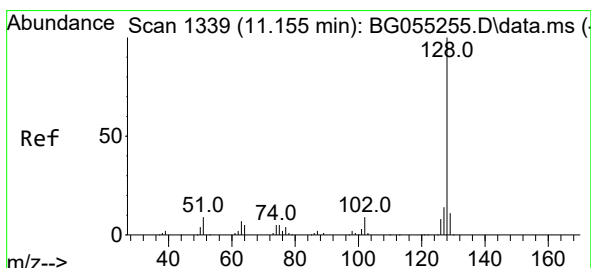
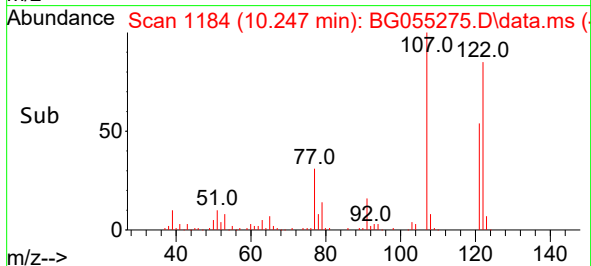
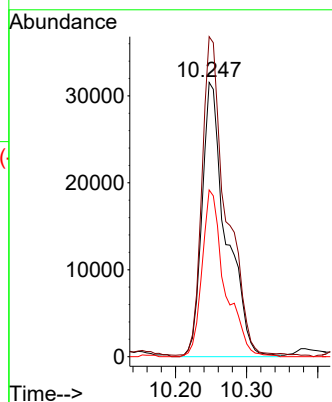
Tgt Ion:122 Resp: 74563

Ion Ratio Lower Upper

122 100

107 116.7 97.3 145.9

121 60.8 48.5 72.7



#31

Naphthalene

Concen: 37.402 ng

RT: 11.152 min Scan# 1338

Delta R.T. -0.003 min

Lab File: BG055275.D

Acq: 25 Oct 2022 14:01

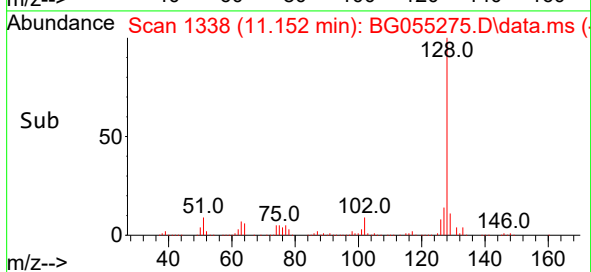
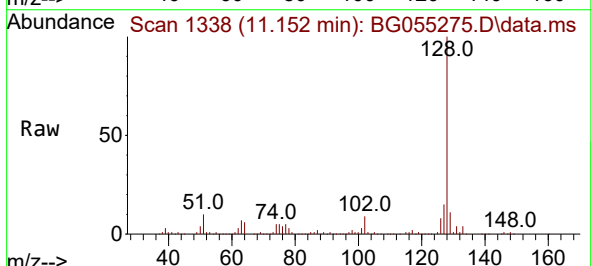
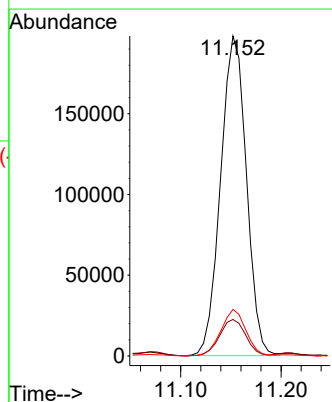
Tgt Ion:128 Resp: 353364

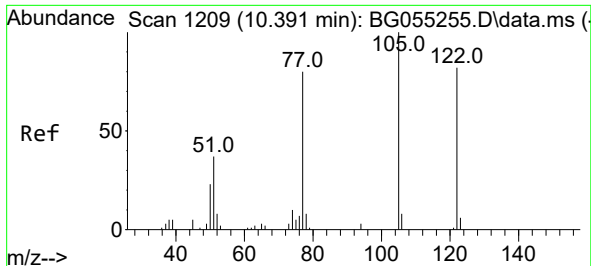
Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

127 14.5 11.1 16.7

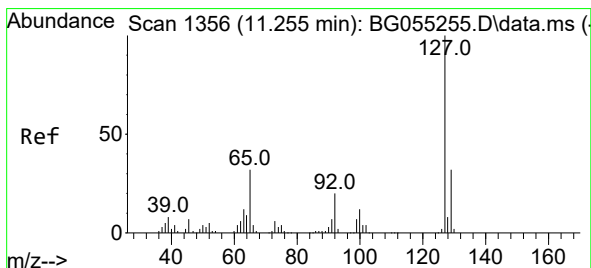
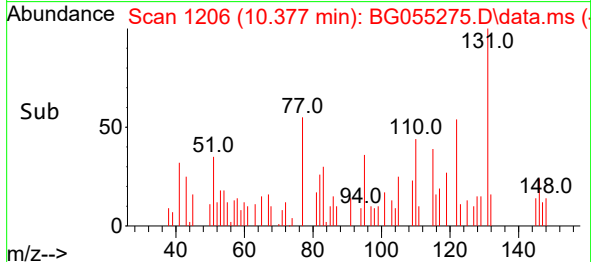
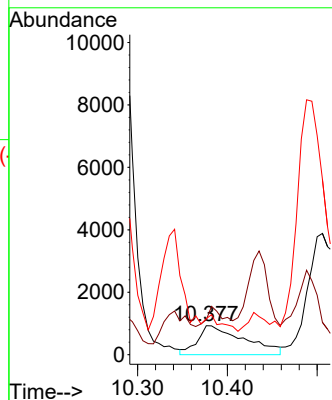
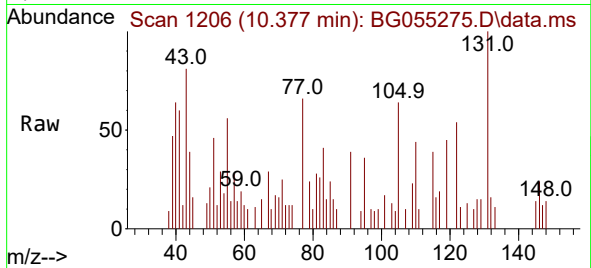




#32
Benzoic acid
Concen: 5.773 ng
RT: 10.377 min Scan# 11
Delta R.T. -0.014 min
Lab File: BG055275.D
Acq: 25 Oct 2022 14:01

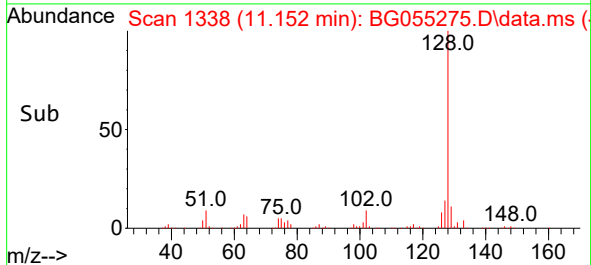
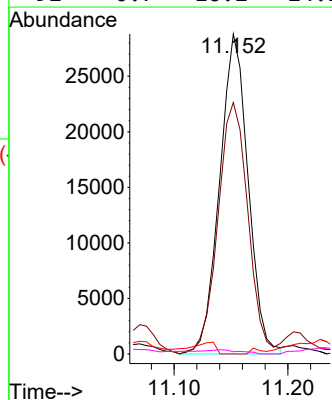
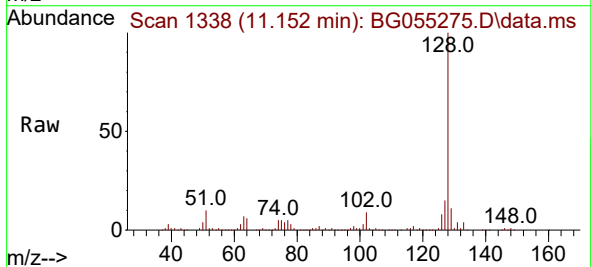
Instrument :
BNA_G
ClientSampleId :

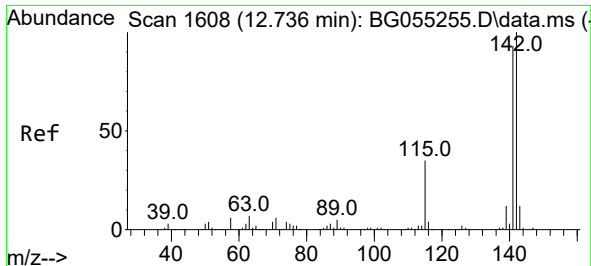
Tgt Ion:122 Resp: 3330
Ion Ratio Lower Upper
122 100
105 120.1 101.3 141.3
77 123.9 76.9 116.9#



#33
4-Chloroaniline
Concen: 12.395 ng
RT: 11.152 min Scan# 1338
Delta R.T. -0.103 min
Lab File: BG055275.D
Acq: 25 Oct 2022 14:01

Tgt Ion:127 Resp: 50065
Ion Ratio Lower Upper
127 100
129 78.6 25.4 38.0#
65 0.0 25.5 38.3#
92 0.7 16.2 24.2#





#37

2-Methylnaphthalene

Concen: 7.821 ng

RT: 12.733 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG055275.D

Acq: 25 Oct 2022 14:01

Instrument :

BNA_G

ClientSampleId :

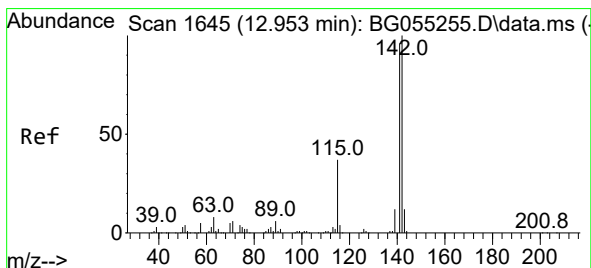
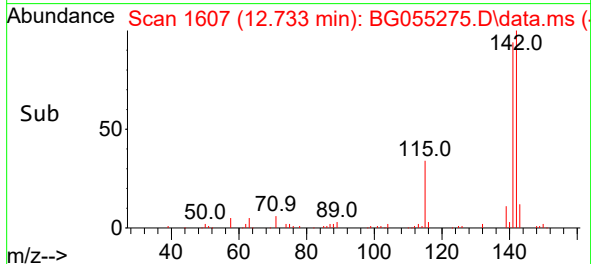
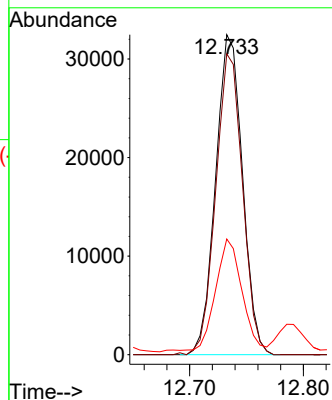
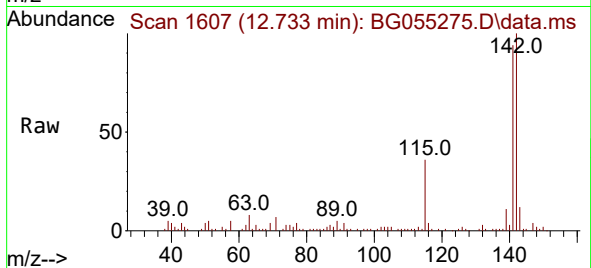
Tgt Ion:142 Resp: 53274

Ion Ratio Lower Upper

142 100

141 94.0 74.0 111.0

115 36.1 28.3 42.5



#38

1-Methylnaphthalene

Concen: 7.927 ng

RT: 12.733 min Scan# 1607

Delta R.T. -0.220 min

Lab File: BG055275.D

Acq: 25 Oct 2022 14:01

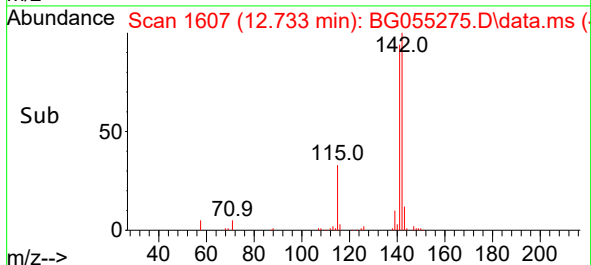
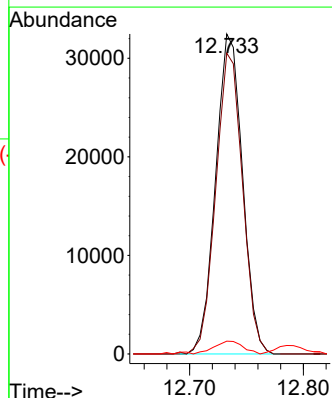
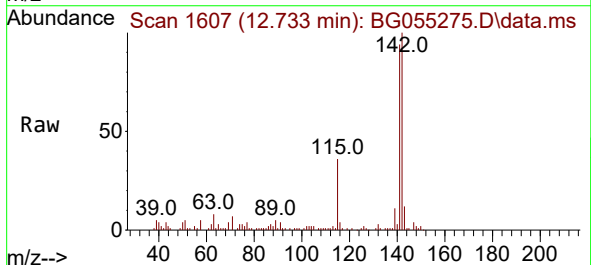
Tgt Ion:142 Resp: 53274

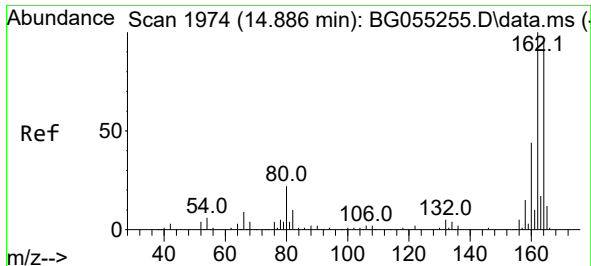
Ion Ratio Lower Upper

142 100

141 94.0 77.1 115.7

116 4.0 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.883 min Scan# 1973

Delta R.T. -0.003 min

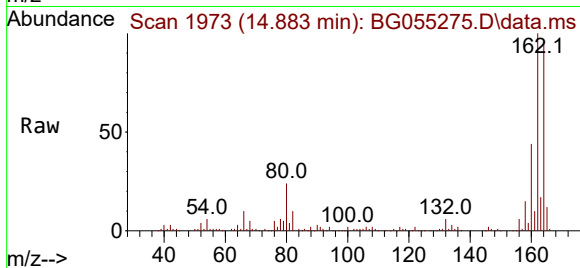
Lab File: BG055275.D

Acq: 25 Oct 2022 14:01

Instrument :

BNA_G

ClientSampleId :



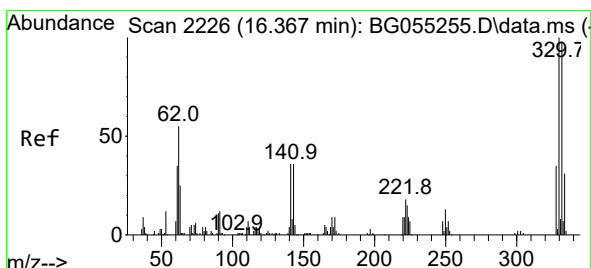
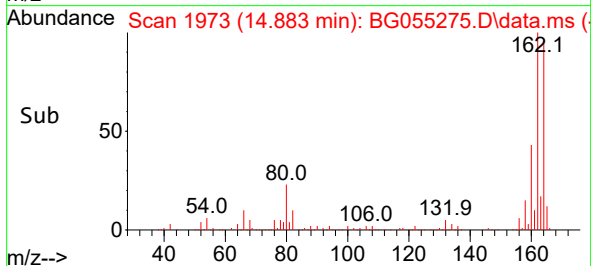
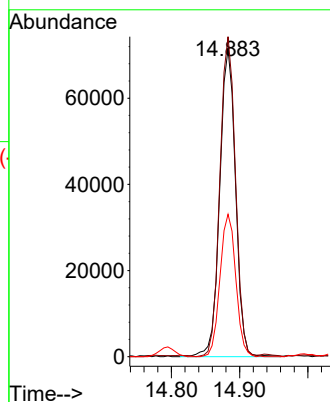
Tgt Ion:164 Resp: 115389

Ion Ratio Lower Upper

164 100

162 104.0 84.0 126.0

160 46.3 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 81.871 ng

RT: 16.364 min Scan# 2225

Delta R.T. -0.003 min

Lab File: BG055275.D

Acq: 25 Oct 2022 14:01

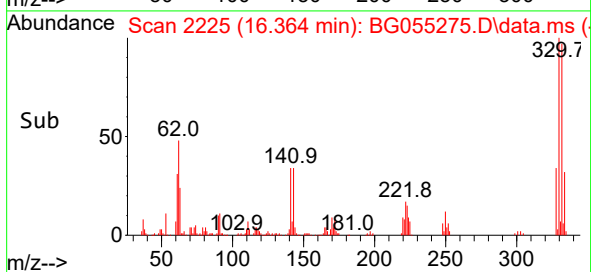
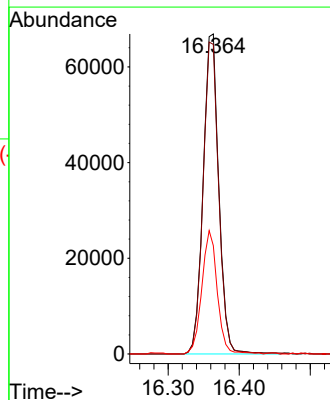
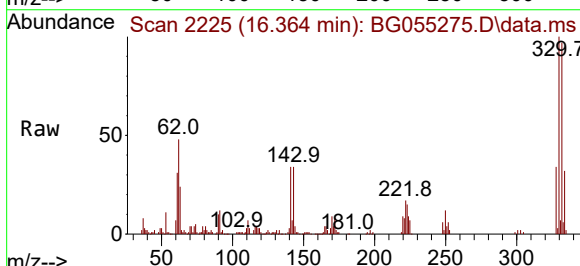
Tgt Ion:330 Resp: 102697

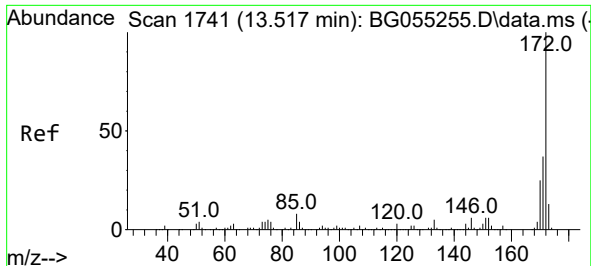
Ion Ratio Lower Upper

330 100

332 97.2 77.4 116.0

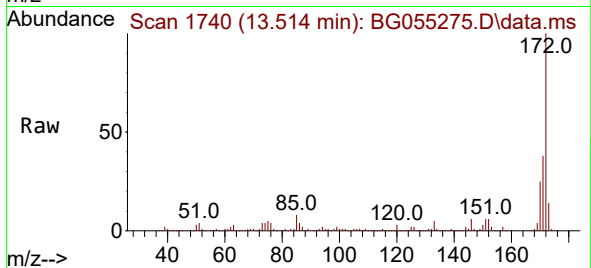
141 38.0 29.8 44.8



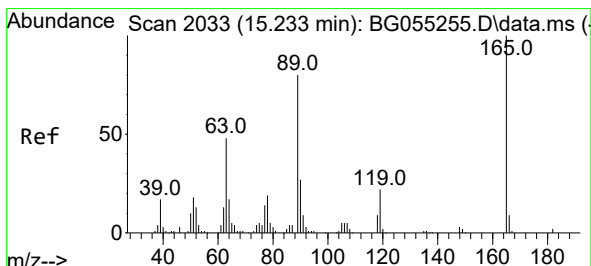
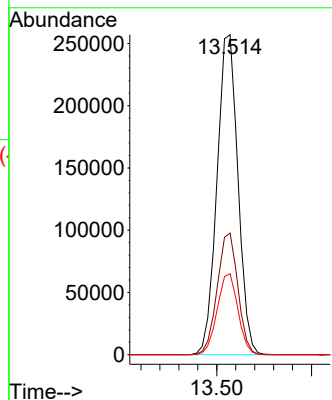
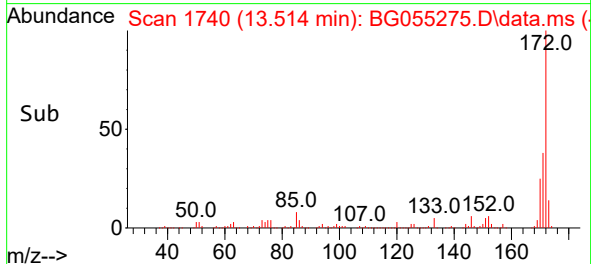


#45
2-Fluorobiphenyl
Concen: 56.045 ng
RT: 13.514 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG055275.D
Acq: 25 Oct 2022 14:01

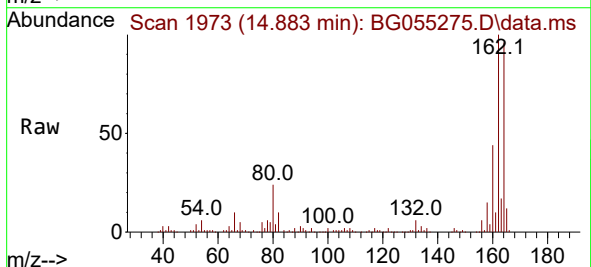
Instrument :
BNA_G
ClientSampleId :



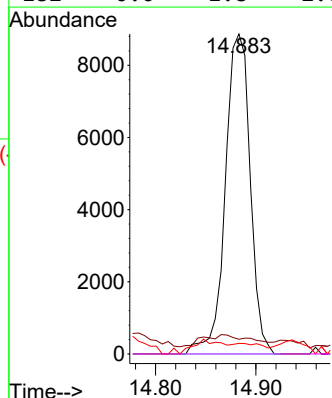
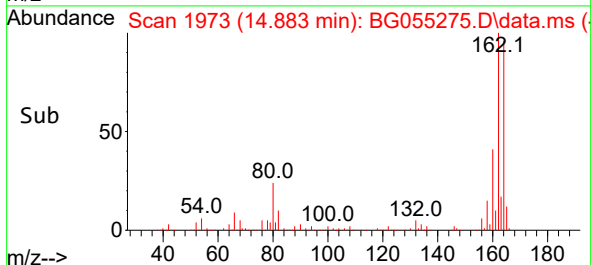
Tgt Ion:172 Resp: 395108
Ion Ratio Lower Upper
172 100
171 38.0 29.7 44.5
170 25.3 20.2 30.2

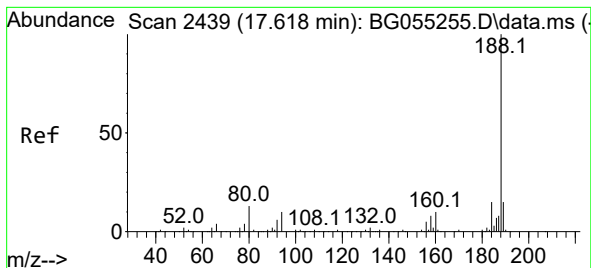


#57
2,4-Dinitrotoluene
Concen: 5.696 ng
RT: 14.883 min Scan# 1973
Delta R.T. -0.350 min
Lab File: BG055275.D
Acq: 25 Oct 2022 14:01



Tgt Ion:165 Resp: 15239
Ion Ratio Lower Upper
165 100
63 4.6 38.9 58.3#
89 3.3 64.2 96.4#
182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.615 min Scan# 2439

Delta R.T. -0.003 min

Lab File: BG055275.D

Acq: 25 Oct 2022 14:01

Instrument :

BNA_G

ClientSampleId :

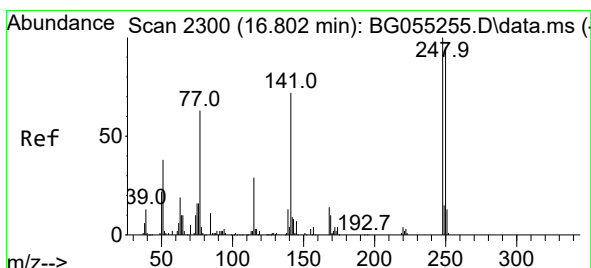
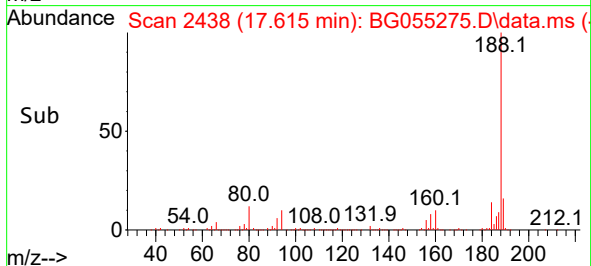
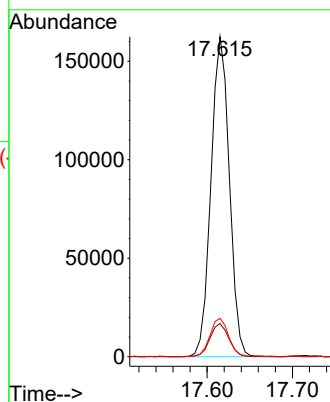
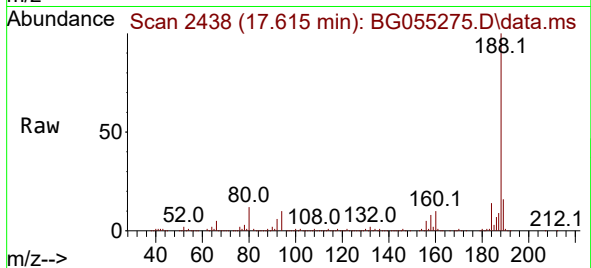
Tgt Ion:188 Resp: 242940

Ion Ratio Lower Upper

188 100

94 10.3 8.2 12.4

80 12.0 10.1 15.1



#67

4-Bromophenyl-phenylether

Concen: 2.745 ng

RT: 16.364 min Scan# 2225

Delta R.T. -0.438 min

Lab File: BG055275.D

Acq: 25 Oct 2022 14:01

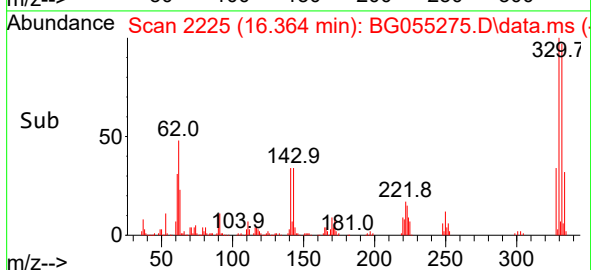
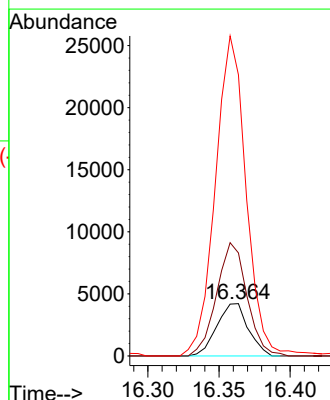
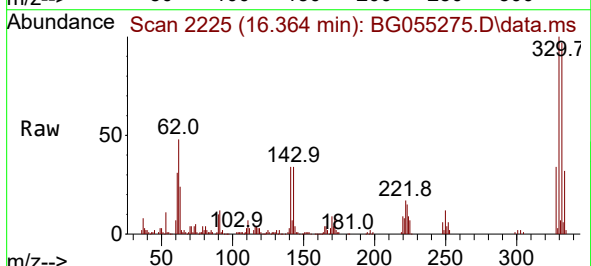
Tgt Ion:248 Resp: 6478

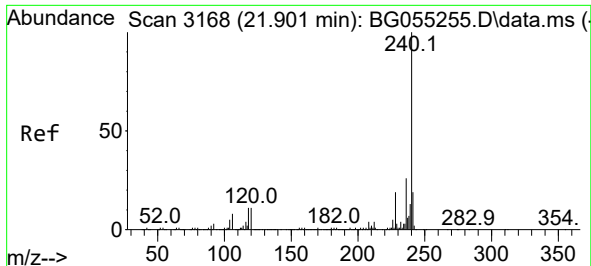
Ion Ratio Lower Upper

248 100

250 197.1 76.0 114.0#

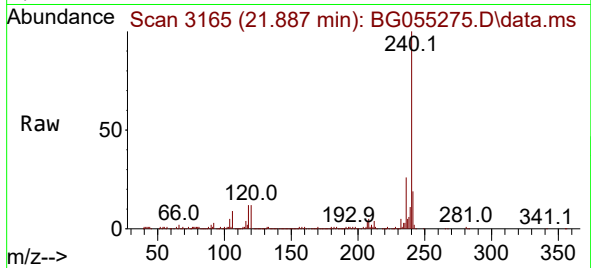
141 537.6 58.0 87.0#



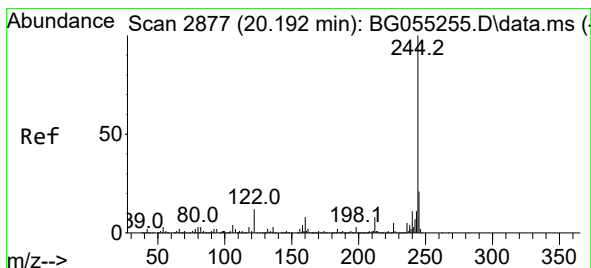
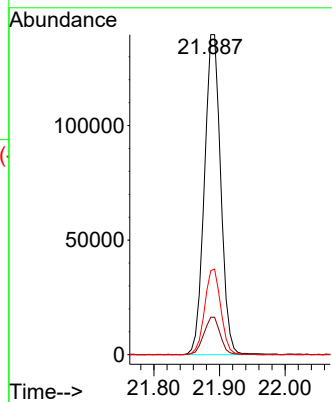
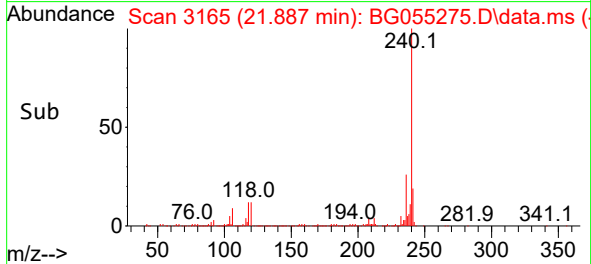


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.887 min Scan# 3165
Delta R.T. -0.015 min
Lab File: BG055275.D
Acq: 25 Oct 2022 14:01

Instrument :
BNA_G
ClientSampleId :

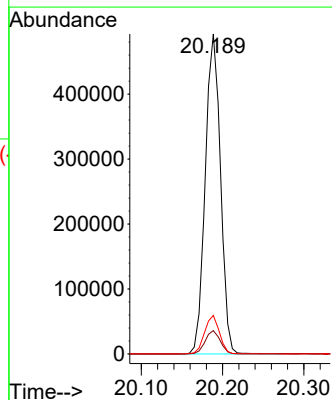
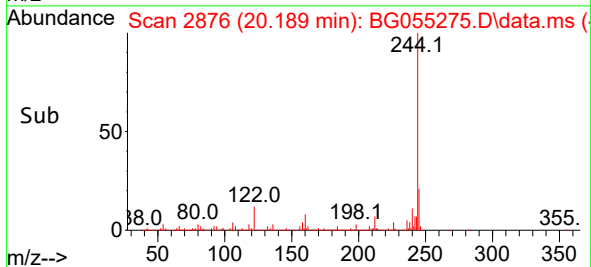
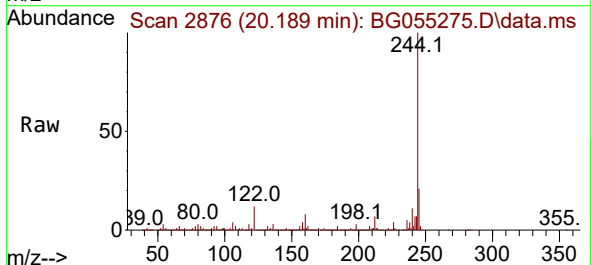


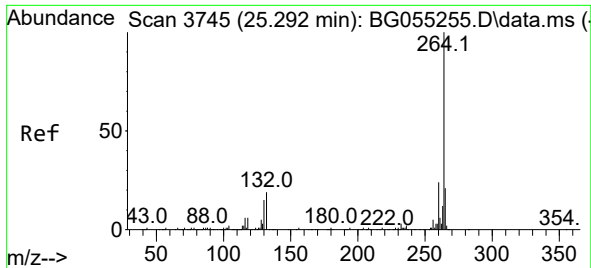
Tgt Ion:240 Resp: 241957
Ion Ratio Lower Upper
240 100
120 11.7 8.9 13.3
236 26.3 21.0 31.4



#79
Terphenyl-d14
Concen: 54.957 ng
RT: 20.189 min Scan# 2876
Delta R.T. -0.003 min
Lab File: BG055275.D
Acq: 25 Oct 2022 14:01

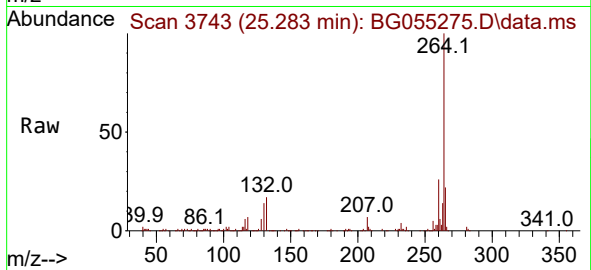
Tgt Ion:244 Resp: 639999
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 12.0 9.6 14.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.283 min Scan# 31
 Delta R.T. -0.009 min
 Lab File: BG055275.D
 Acq: 25 Oct 2022 14:01

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:264 Resp: 250358
 Ion Ratio Lower Upper
 264 100
 260 25.6 19.5 29.3
 265 21.9 17.4 26.2

