

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
 Data File : BG057533.D
 Acq On : 24 May 2023 13:20
 Operator : CG/JU
 Sample : 02869-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP18

Quant Time: May 25 02:23:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 02:19:01 2023
 Response via : Initial Calibration

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

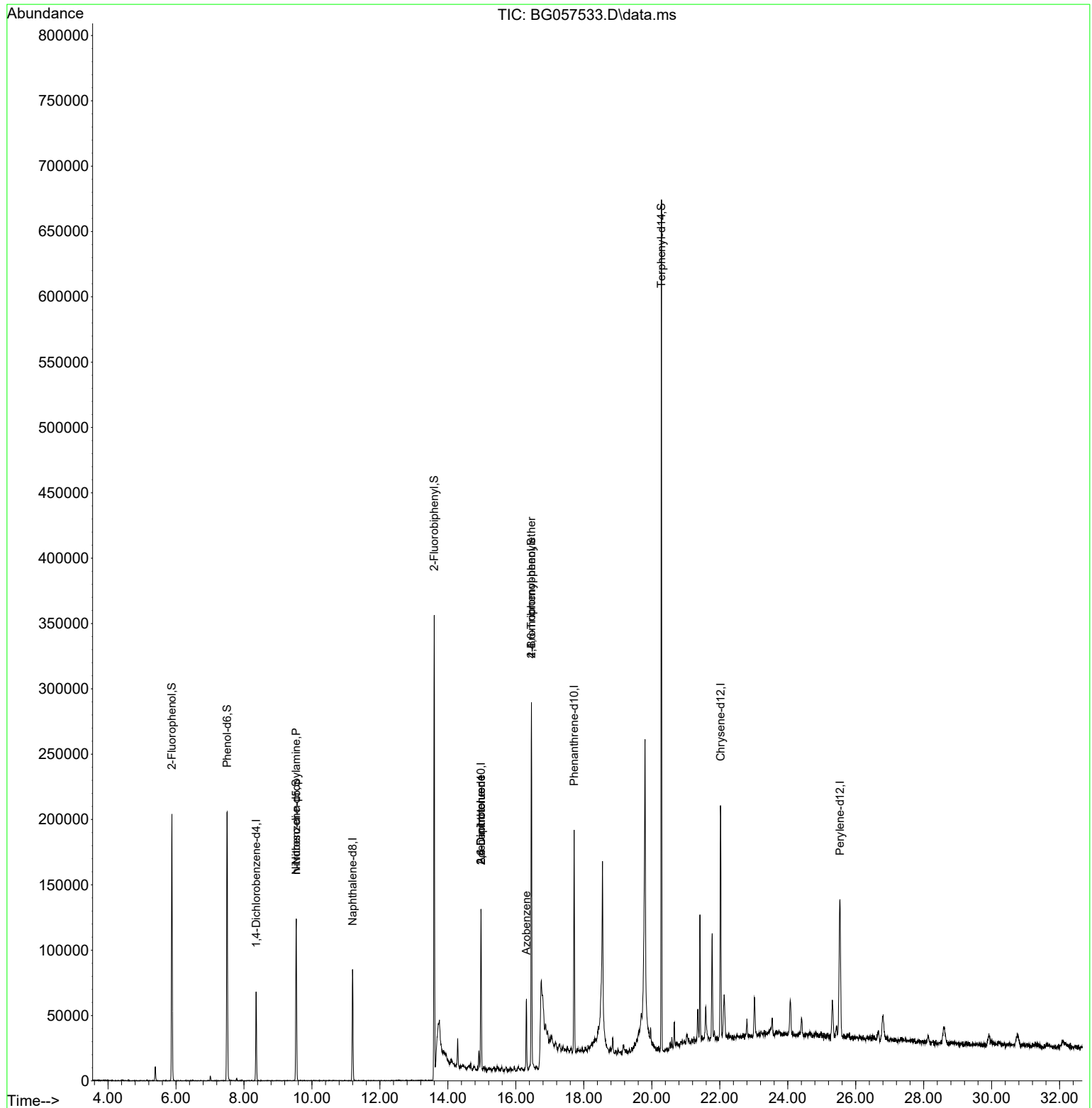
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.358	152	19245	20.000	ng	0.00
21) Naphthalene-d8	11.195	136	73158	20.000	ng	0.00
39) Acenaphthene-d10	14.972	164	46400	20.000	ng	0.00
64) Phenanthrene-d10	17.716	188	108161	20.000	ng	0.00
76) Chrysene-d12	22.022	240	117065	20.000	ng	-0.01
86) Perylene-d12	25.535	264	127840	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.879	112	91335	81.184	ng	0.00
7) Phenol-d6	7.506	99	132562	77.594	ng	0.00
23) Nitrobenzene-d5	9.539	82	80369	46.108	ng	0.00
42) 2,4,6-Tribromophenol	16.459	330	58895	89.456	ng	0.00
45) 2-Fluorobiphenyl	13.598	172	188441	54.697	ng	0.00
79) Terphenyl-d14	20.283	244	328438	45.785	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.512	77	65	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.539	70	11046	8.479 ng	#	83
51) 2,6-Dinitrotoluene	14.972	165	6453	8.289 ng	#	17
57) 2,4-Dinitrotoluene	14.972	165	6453	5.800 ng	#	20
63) Azobenzene	16.312	77	16454	4.404 ng	#	1
67) 4-Bromophenyl-phenylether	16.459	248	3920	2.969 ng	#	1

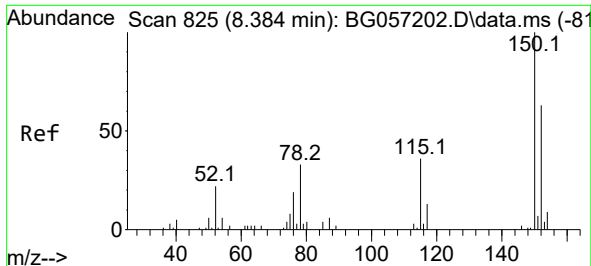
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 5 Sample Multiplier: 1

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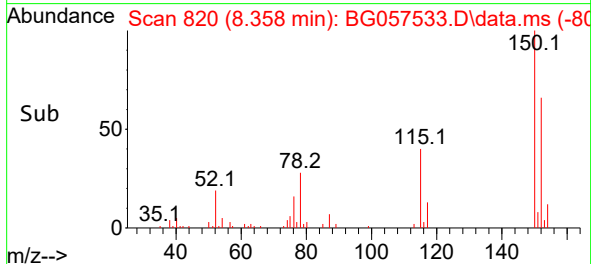
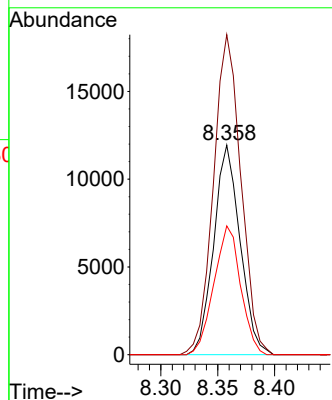
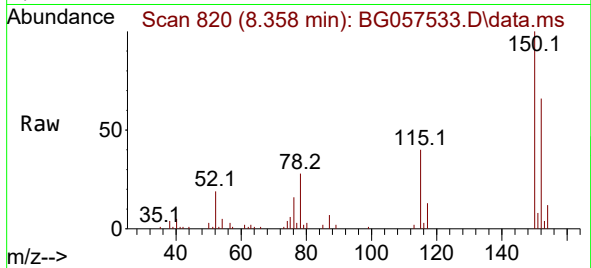




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.358 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG057533.D
Acq: 24 May 2023 13:20

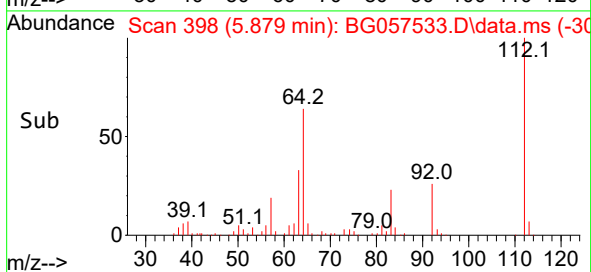
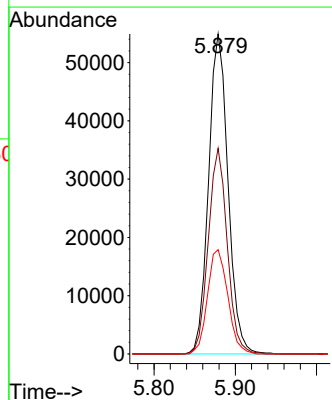
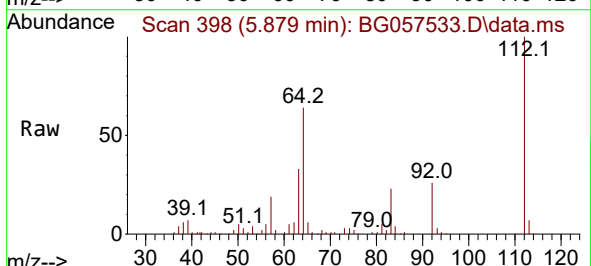
Instrument :
BNA_G
ClientSampleId :
TP18

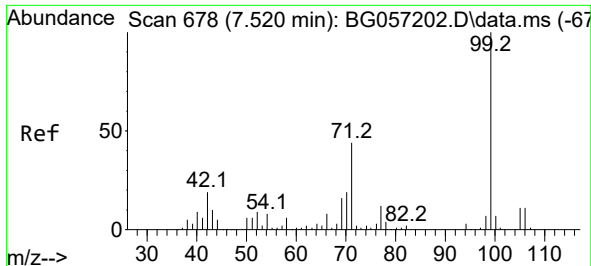
Tgt Ion:152 Resp: 19245
Ion Ratio Lower Upper
152 100
150 152.6 126.2 189.4
115 61.5 45.0 67.4



#5
2-Fluorophenol
Concen: 81.184 ng
RT: 5.879 min Scan# 398
Delta R.T. 0.004 min
Lab File: BG057533.D
Acq: 24 May 2023 13:20

Tgt Ion:112 Resp: 91335
Ion Ratio Lower Upper
112 100
64 64.3 49.4 74.2
63 32.6 31.6 47.4

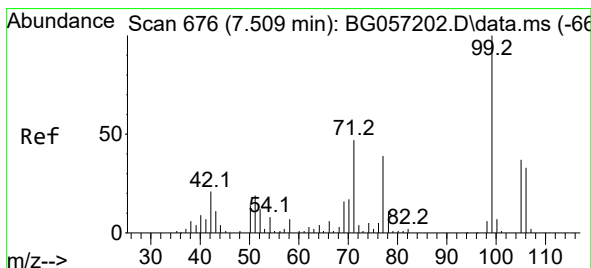
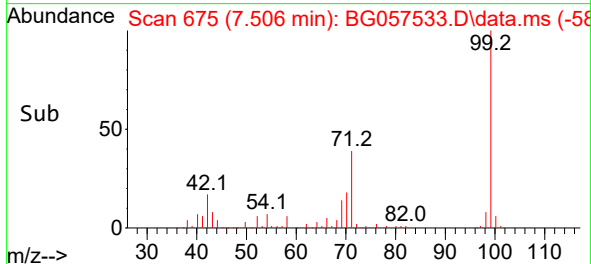
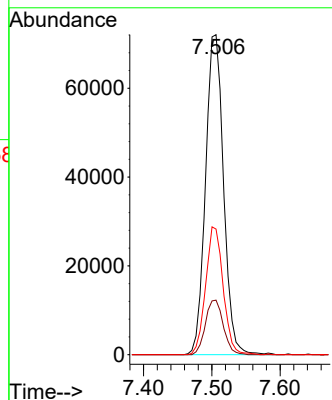
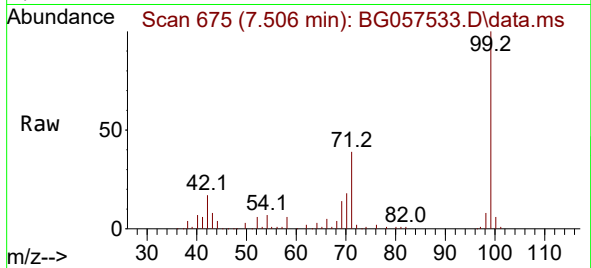




#7
Phenol-d6
Concen: 77.594 ng
RT: 7.506 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057533.D
Acq: 24 May 2023 13:20

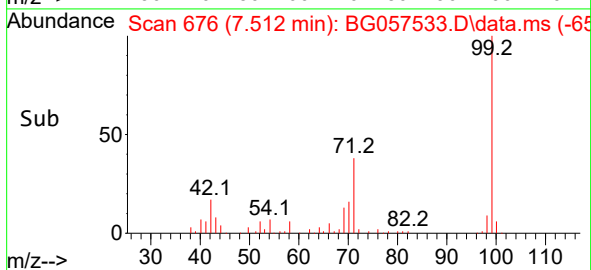
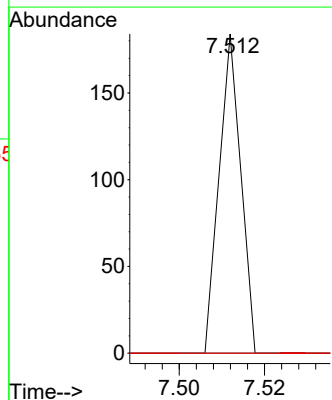
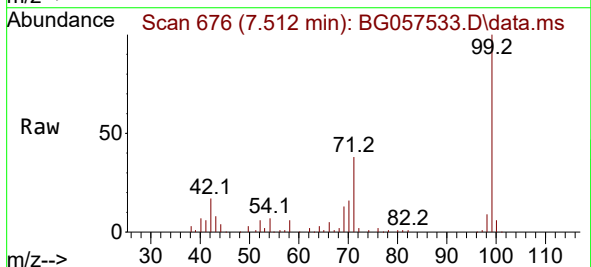
Instrument :
BNA_G
ClientSampleId :
TP18

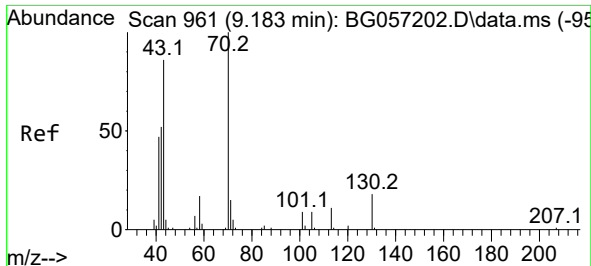
Tgt Ion: 99 Resp: 132562
Ion Ratio Lower Upper
99 100
42 17.1 15.1 22.7
71 39.3 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.512 min Scan# 676
Delta R.T. 0.021 min
Lab File: BG057533.D
Acq: 24 May 2023 13:20

Tgt Ion: 77 Resp: 65
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

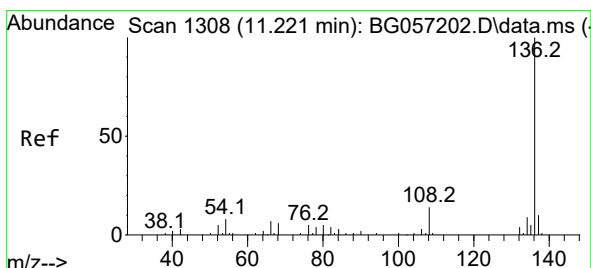
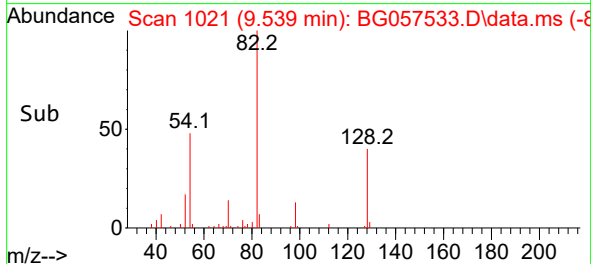
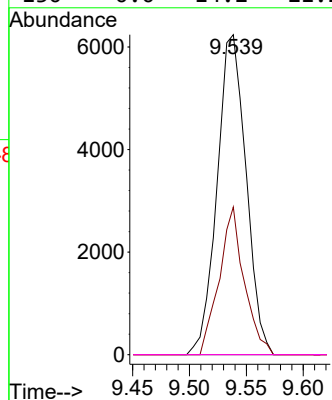
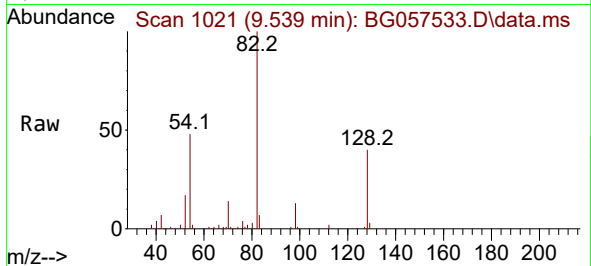




#19
n-Nitroso-di-n-propylamine
Concen: 8.479 ng
RT: 9.539 min Scan# 1021
Delta R.T. 0.374 min
Lab File: BG057533.D
Acq: 24 May 2023 13:20

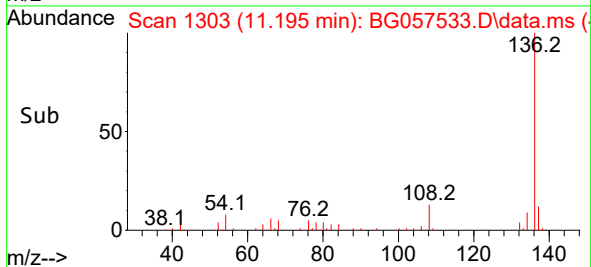
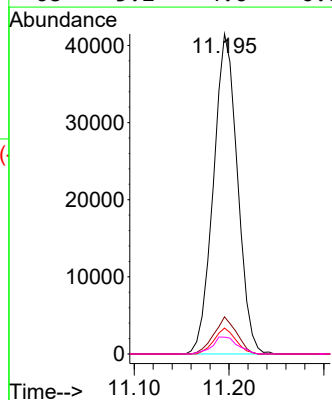
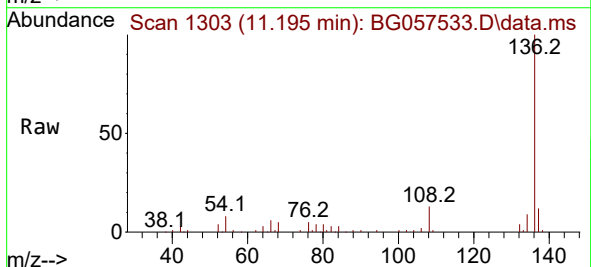
Instrument :
BNA_G
ClientSampleId :
TP18

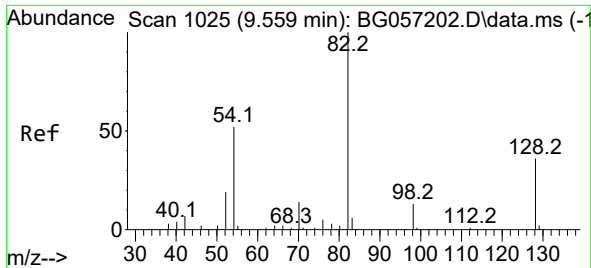
Tgt Ion: 70 Resp: 11046
Ion Ratio Lower Upper
70 100
42 46.1 41.8 62.8
101 0.0 6.8 10.2#
130 0.0 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.195 min Scan# 1303
Delta R.T. -0.008 min
Lab File: BG057533.D
Acq: 24 May 2023 13:20

Tgt Ion:136 Resp: 73158
Ion Ratio Lower Upper
136 100
137 11.6 8.3 12.5
54 8.1 6.7 10.1
68 5.2 4.6 6.8

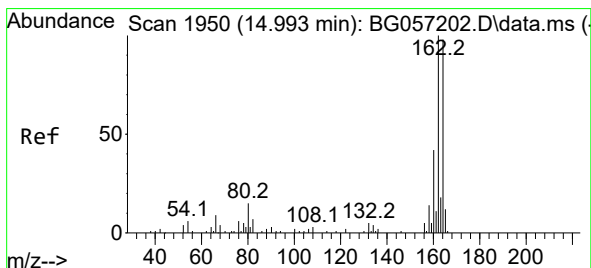
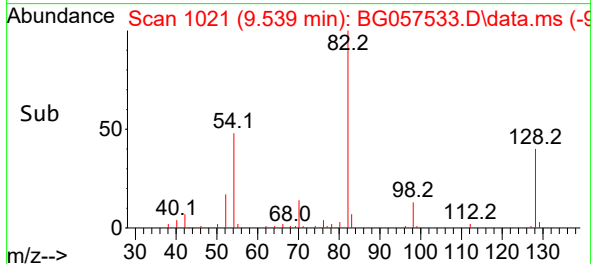
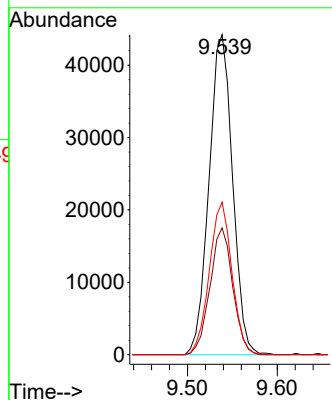
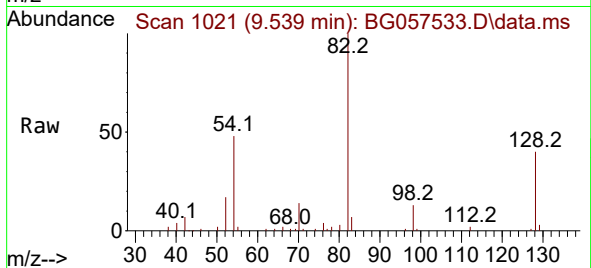




#23
Nitrobenzene-d5
Concen: 46.108 ng
RT: 9.539 min Scan# 1021
Delta R.T. -0.008 min
Lab File: BG057533.D
Acq: 24 May 2023 13:20

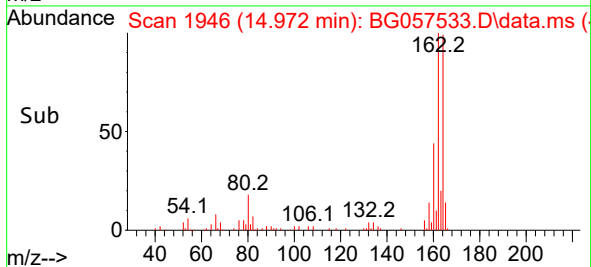
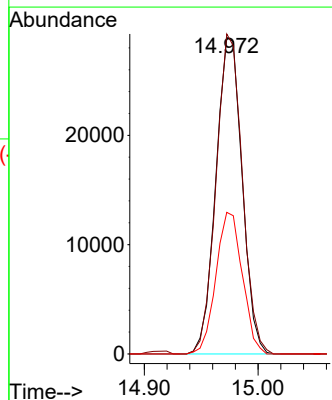
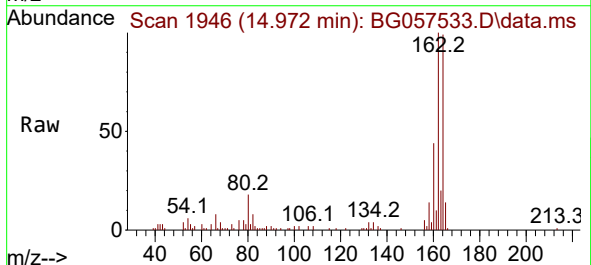
Instrument :
BNA_G
ClientSampleId :
TP18

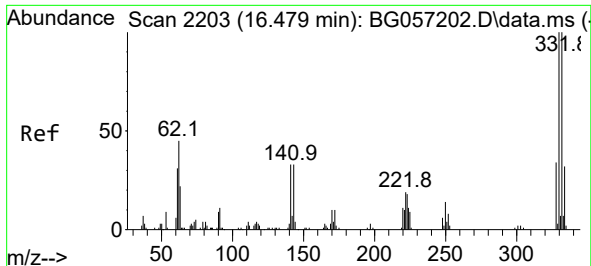
Tgt Ion: 82 Resp: 80369
Ion Ratio Lower Upper
82 100
128 39.6 29.0 43.4
54 47.7 41.4 62.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.972 min Scan# 1946
Delta R.T. -0.008 min
Lab File: BG057533.D
Acq: 24 May 2023 13:20

Tgt Ion:164 Resp: 46400
Ion Ratio Lower Upper
164 100
162 101.1 81.8 122.6
160 44.8 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 89.456 ng

RT: 16.459 min Scan# 2199

Delta R.T. -0.008 min

Lab File: BG057533.D

Acq: 24 May 2023 13:20

Instrument :

BNA_G

ClientSampleId :

TP18

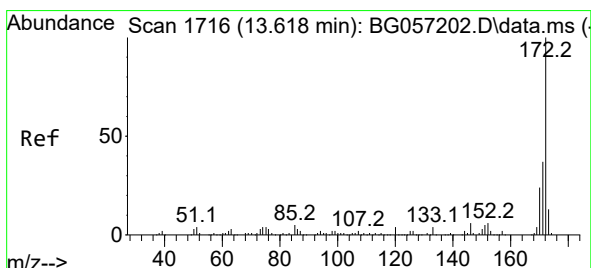
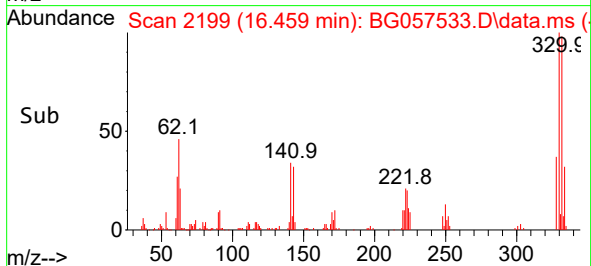
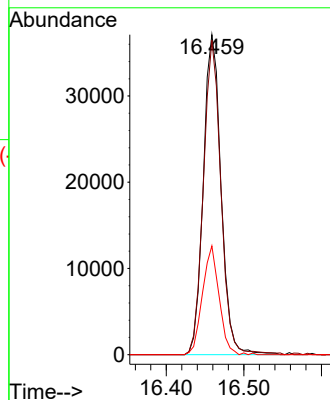
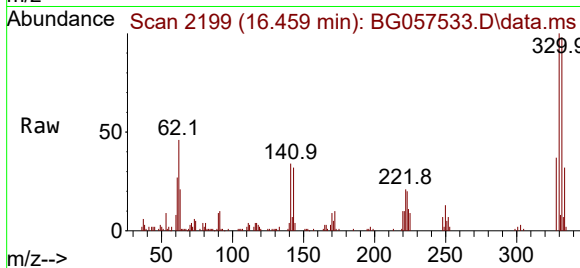
Tgt Ion:330 Resp: 58895

Ion Ratio Lower Upper

330 100

332 97.2 78.2 117.2

141 31.9 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 54.697 ng

RT: 13.598 min Scan# 1712

Delta R.T. -0.008 min

Lab File: BG057533.D

Acq: 24 May 2023 13:20

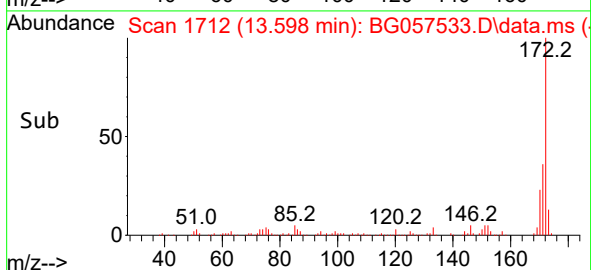
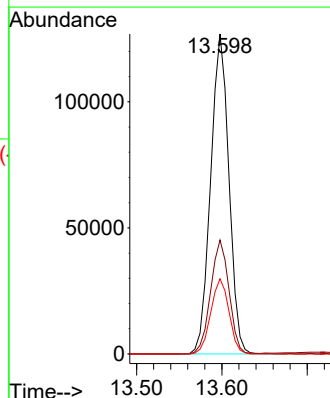
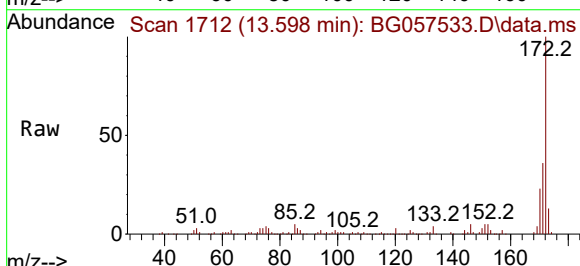
Tgt Ion:172 Resp: 188441

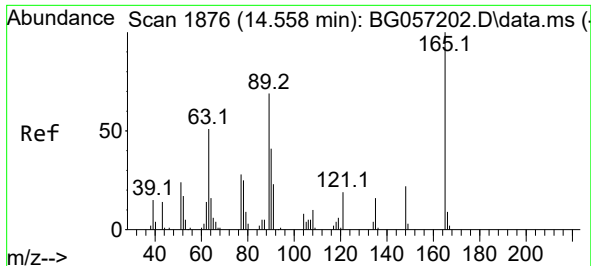
Ion Ratio Lower Upper

172 100

171 35.6 29.4 44.0

170 23.5 19.0 28.6

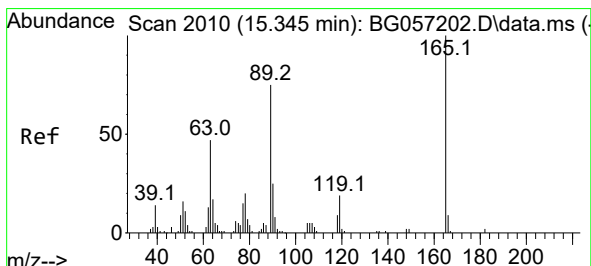
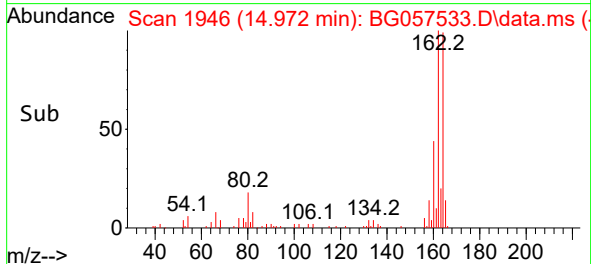
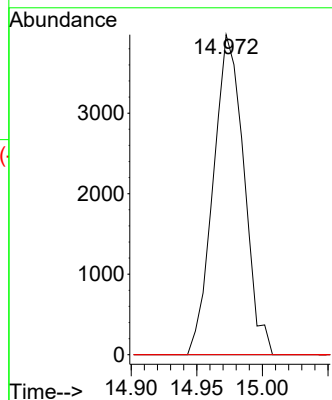
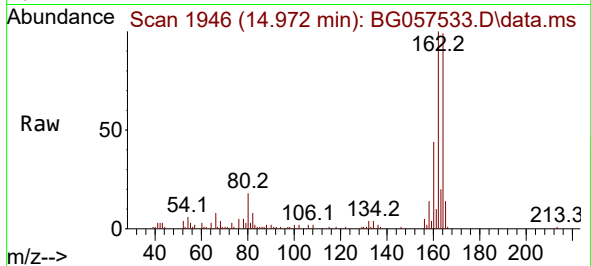




#51
2,6-Dinitrotoluene
Concen: 8.289 ng
RT: 14.972 min Scan# 1946
Delta R.T. 0.421 min
Lab File: BG057533.D
Acq: 24 May 2023 13:20

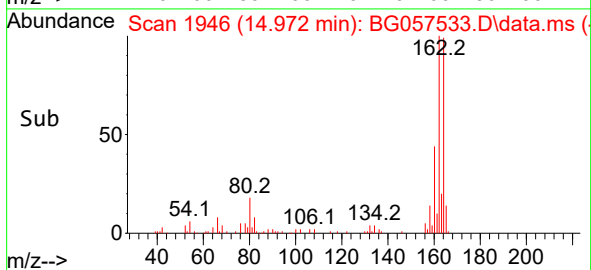
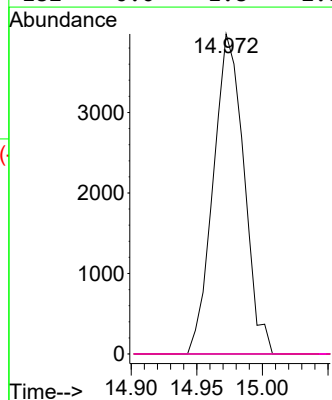
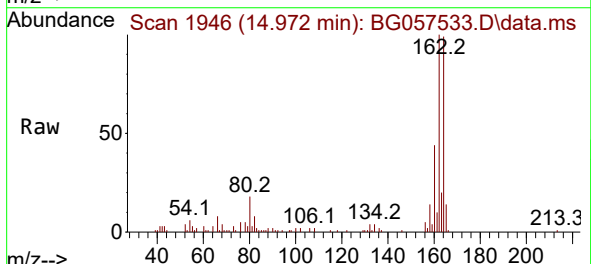
Instrument :
BNA_G
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TP18

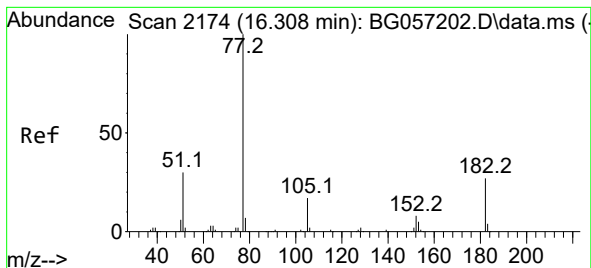
Tgt Ion:165 Resp: 6453
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.800 ng
RT: 14.972 min Scan# 1946
Delta R.T. -0.366 min
Lab File: BG057533.D
Acq: 24 May 2023 13:20

Tgt Ion:165 Resp: 6453
Ion Ratio Lower Upper
165 100
63 0.0 37.5 56.3#
89 0.0 60.2 90.4#
182 0.0 1.8 2.8#





#63

Azobenzene

Concen: 4.404 ng

RT: 16.312 min Scan# 21

Delta R.T. 0.021 min

Lab File: BG057533.D

Acq: 24 May 2023 13:20

Instrument :

BNA_G

ClientSampleId :

TP18

Tgt Ion: 77 Resp: 16454

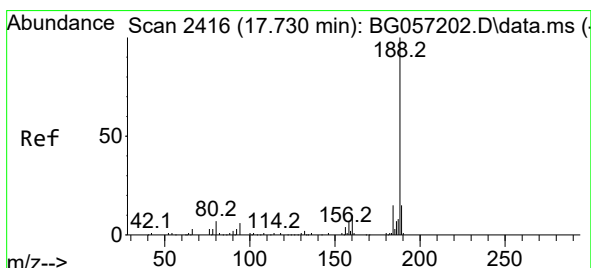
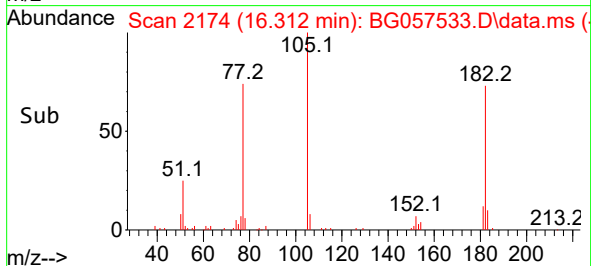
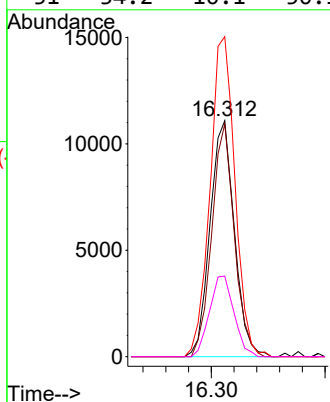
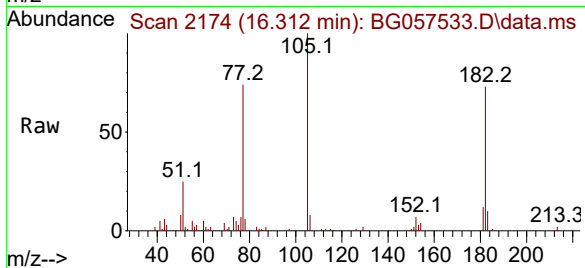
Ion Ratio Lower Upper

77 100

182 98.6 7.4 47.4#

105 135.6 0.0 37.2#

51 34.2 10.1 50.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.716 min Scan# 2413

Delta R.T. -0.008 min

Lab File: BG057533.D

Acq: 24 May 2023 13:20

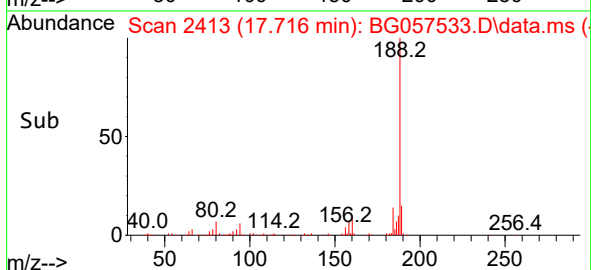
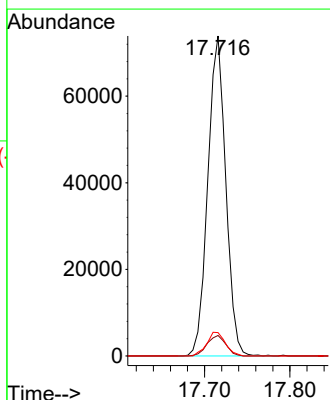
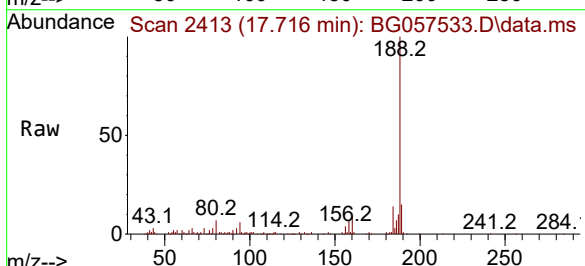
Tgt Ion:188 Resp: 108161

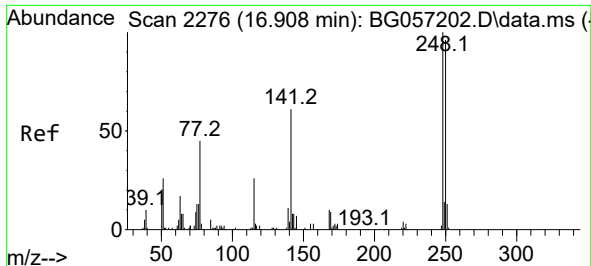
Ion Ratio Lower Upper

188 100

94 6.4 5.1 7.7

80 7.3 5.7 8.5

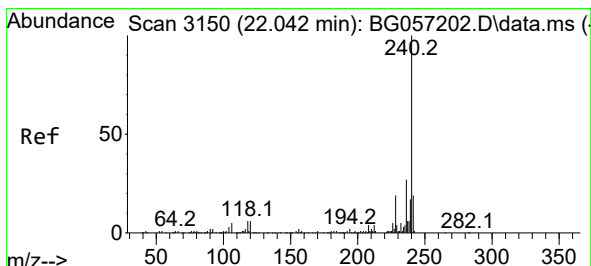
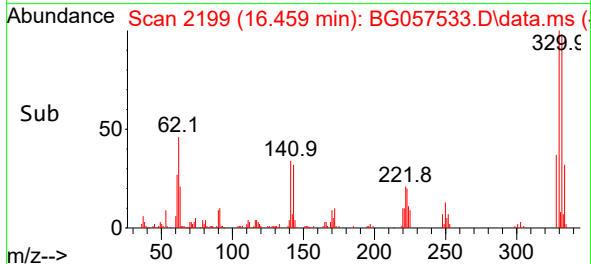
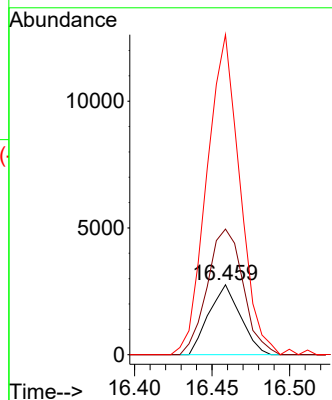
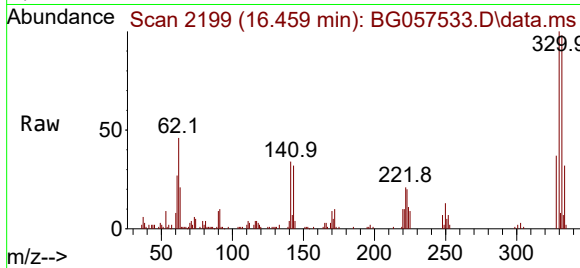




#67
4-Bromophenyl-phenylether
Concen: 2.969 ng
RT: 16.459 min Scan# 2119
Delta R.T. -0.437 min
Lab File: BG057533.D
Acq: 24 May 2023 13:20

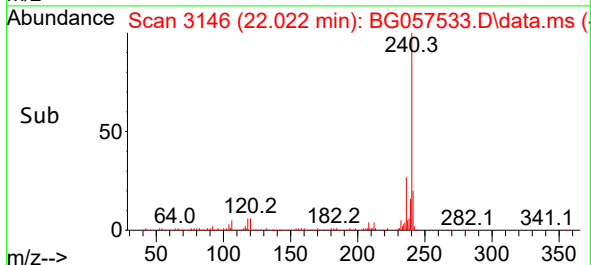
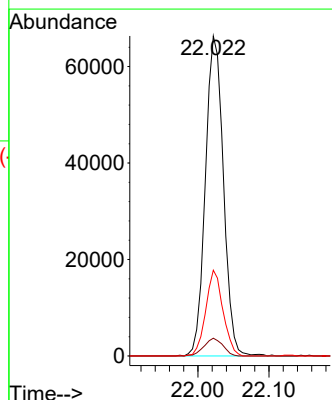
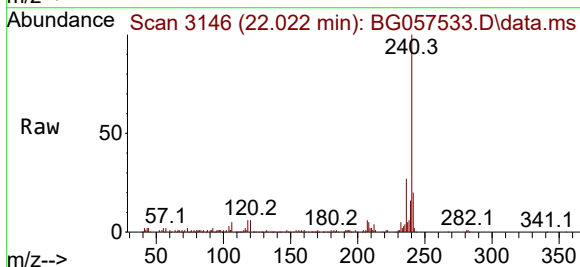
Instrument :
BNA_G
ClientSampleId :
TP18

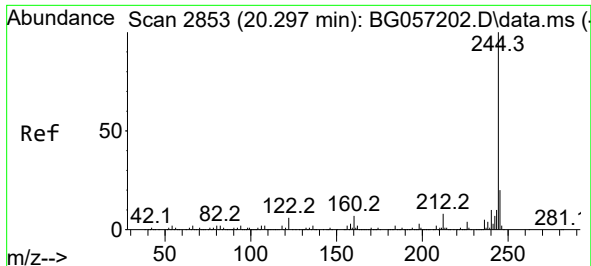
Tgt Ion:248 Resp: 3920
Ion Ratio Lower Upper
248 100
250 179.9 77.0 115.6#
141 458.1 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.022 min Scan# 3146
Delta R.T. -0.014 min
Lab File: BG057533.D
Acq: 24 May 2023 13:20

Tgt Ion:240 Resp: 117065
Ion Ratio Lower Upper
240 100
120 5.5 4.9 7.3
236 26.8 21.4 32.2

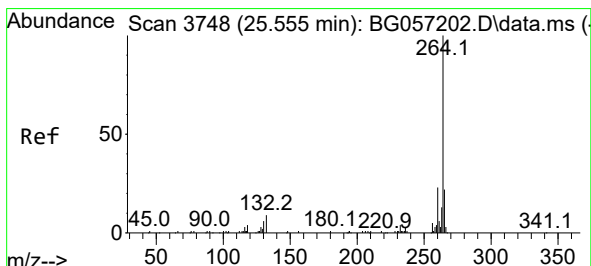
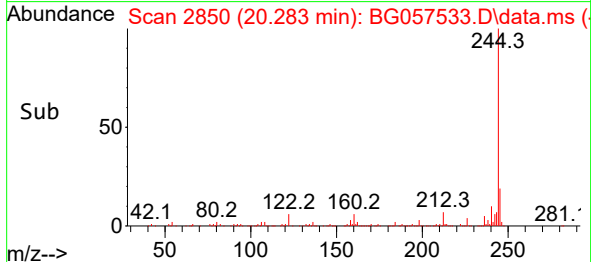
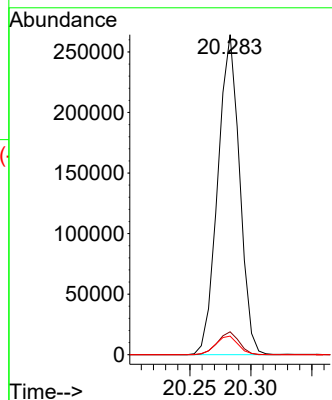
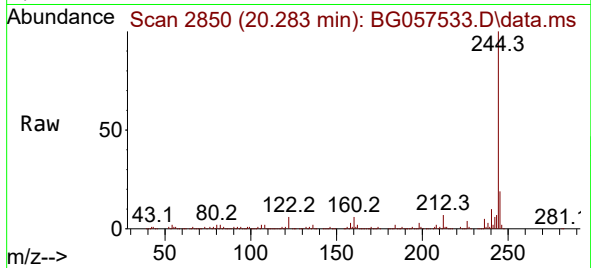




#79
 Terphenyl-d14
 Concen: 45.785 ng
 RT: 20.283 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG057533.D
 Acq: 24 May 2023 13:20

Instrument :
 BNA_G
 ClientSampleId :
 TP18

Tgt Ion:244 Resp: 328438
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 5.8 5.1 7.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.535 min Scan# 3744
 Delta R.T. -0.008 min
 Lab File: BG057533.D
 Acq: 24 May 2023 13:20

Tgt Ion:264 Resp: 127840
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.8 28.2
 265 22.6 17.9 26.9

