

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
 Data File : BG057473.D
 Acq On : 19 May 2023 18:52
 Operator : CG/JU
 Sample : 02845-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP2

Quant Time: May 20 04:29:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

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

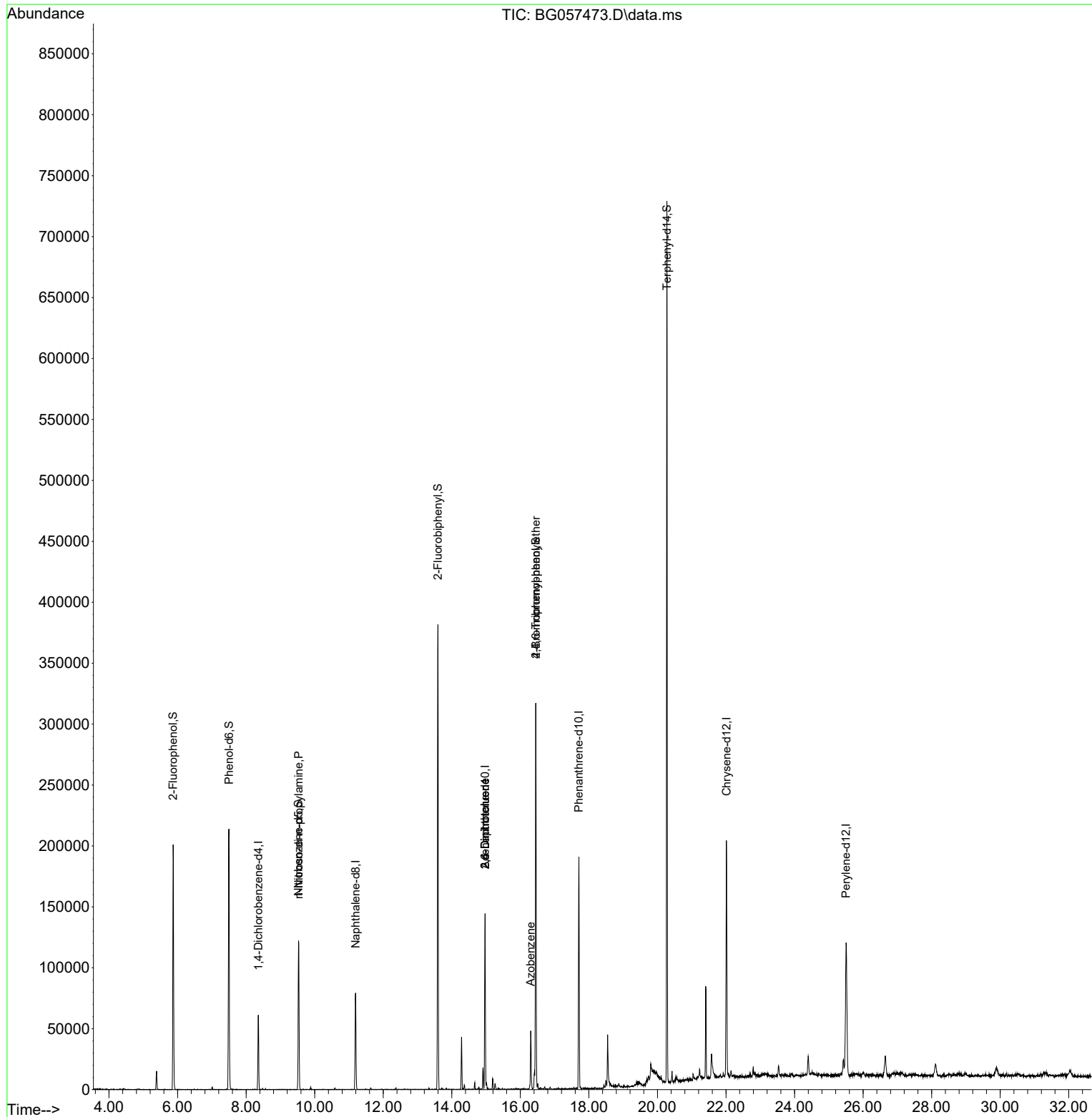
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	17848	20.000	ng	0.00
21) Naphthalene-d8	11.192	136	68951	20.000	ng	0.00
39) Acenaphthene-d10	14.970	164	52157	20.000	ng	0.00
64) Phenanthrene-d10	17.707	188	130258	20.000	ng	0.00
76) Chrysene-d12	22.013	240	125561	20.000	ng	0.00
86) Perylene-d12	25.502	264	134542	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.870	112	87743	84.096	ng	0.00
7) Phenol-d6	7.497	99	128899	81.355	ng	0.00
23) Nitrobenzene-d5	9.530	82	81651	49.701	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	65719	88.803	ng	0.00
45) 2-Fluorobiphenyl	13.595	172	207079	53.472	ng	0.00
79) Terphenyl-d14	20.274	244	368646	47.913	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.480	77	671	Below Cal	#	52
19) n-Nitroso-di-n-propyla...	9.536	70	11759	9.733	ng	# 75
51) 2,6-Dinitrotoluene	14.970	165	6966	7.960	ng	# 17
57) 2,4-Dinitrotoluene	14.970	165	6966	5.570	ng	# 20
63) Azobenzene	16.303	77	14070	3.350	ng	# 1
67) 4-Bromophenyl-phenylether	16.450	248	4469	2.810	ng	# 1

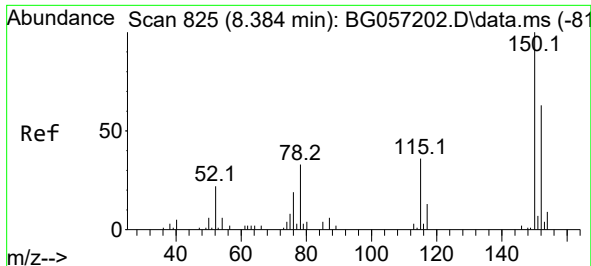
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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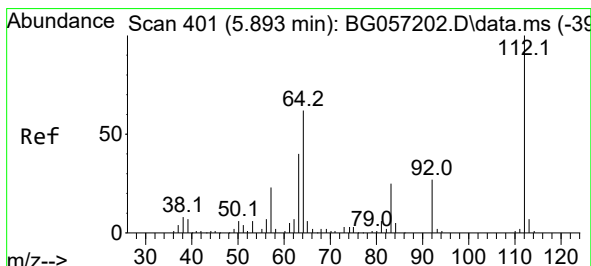
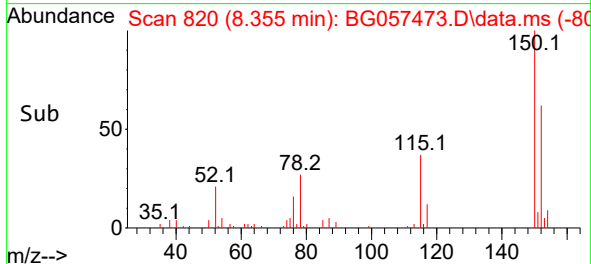
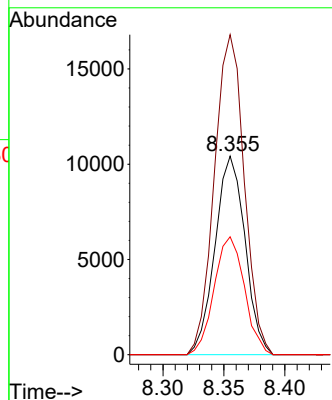
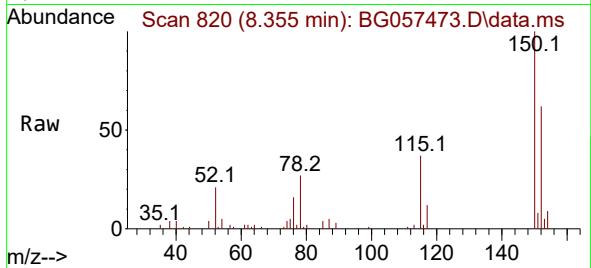




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057473.D
Acq: 19 May 2023 18:52

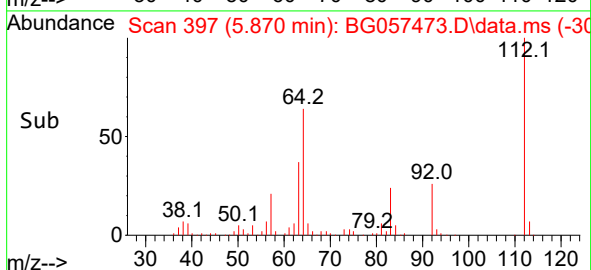
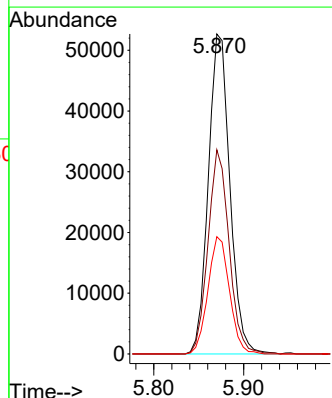
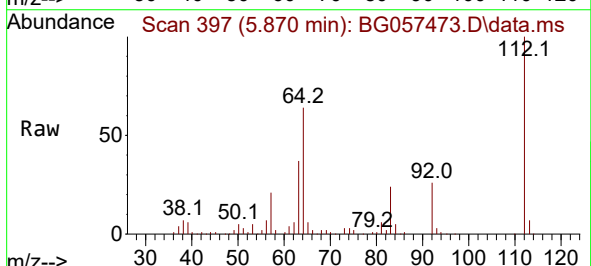
Instrument :
BNA_G
ClientSampleId :
TP2

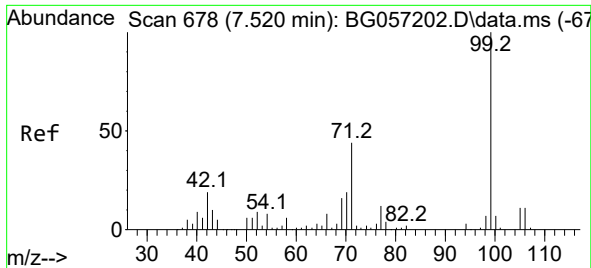
Tgt Ion:152 Resp: 17848
Ion Ratio Lower Upper
152 100
150 161.2 126.2 189.4
115 59.4 45.0 67.4



#5
2-Fluorophenol
Concen: 84.096 ng
RT: 5.870 min Scan# 397
Delta R.T. -0.001 min
Lab File: BG057473.D
Acq: 19 May 2023 18:52

Tgt Ion:112 Resp: 87743
Ion Ratio Lower Upper
112 100
64 63.8 49.4 74.2
63 36.7 31.6 47.4

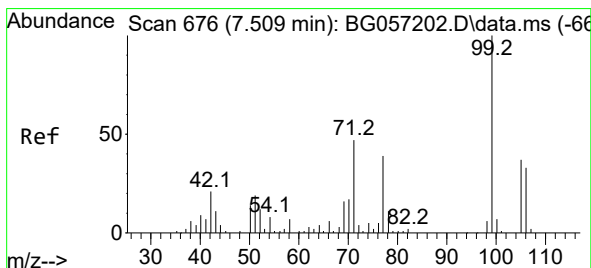
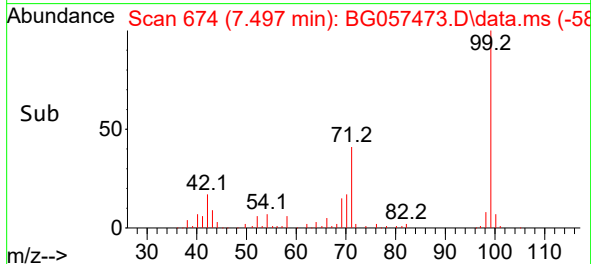
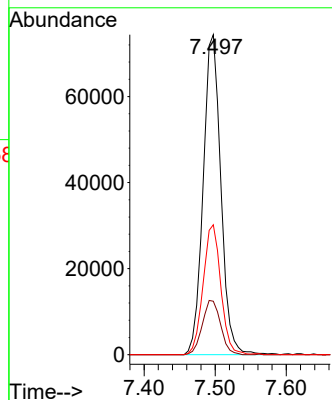
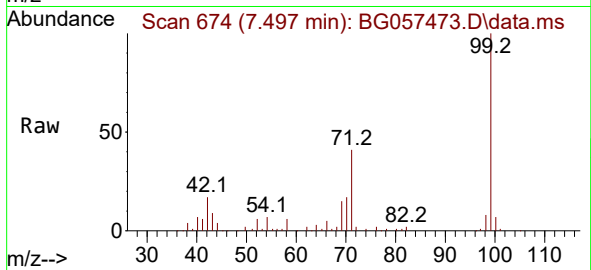




#7
Phenol-d6
Concen: 81.355 ng
RT: 7.497 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG057473.D
Acq: 19 May 2023 18:52

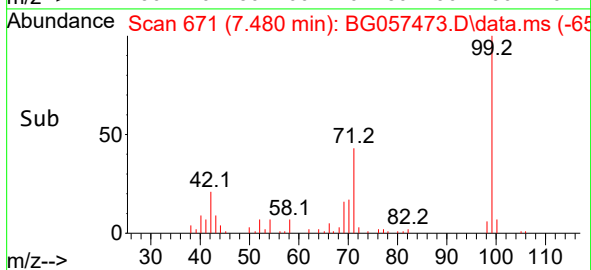
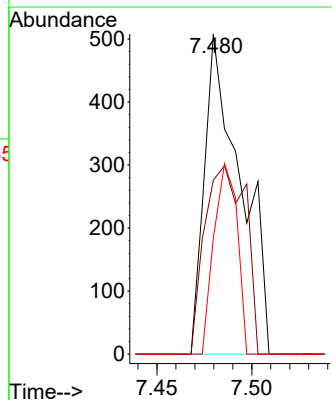
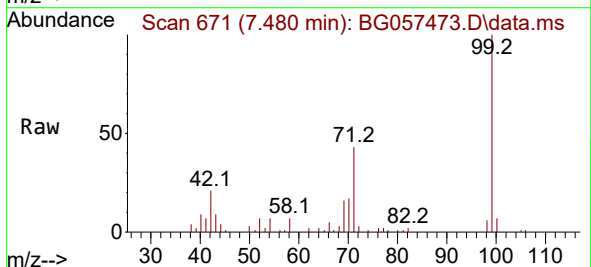
Instrument :
BNA_G
ClientSampleId :
TP2

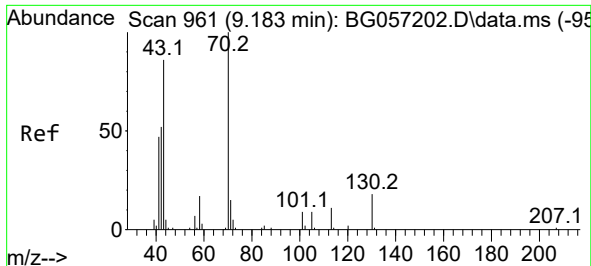
Tgt Ion: 99 Resp: 128899
Ion Ratio Lower Upper
99 100
42 16.7 15.1 22.7
71 40.6 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.480 min Scan# 671
Delta R.T. -0.007 min
Lab File: BG057473.D
Acq: 19 May 2023 18:52

Tgt Ion: 77 Resp: 671
Ion Ratio Lower Upper
77 100
105 54.3 74.6 114.6#
106 36.2 66.3 106.3#

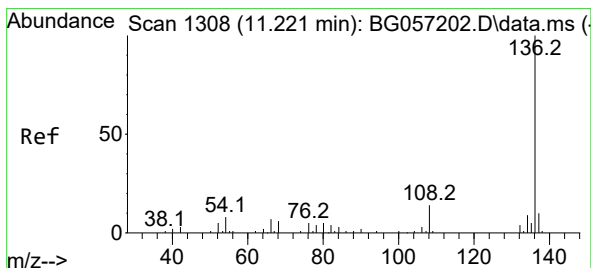
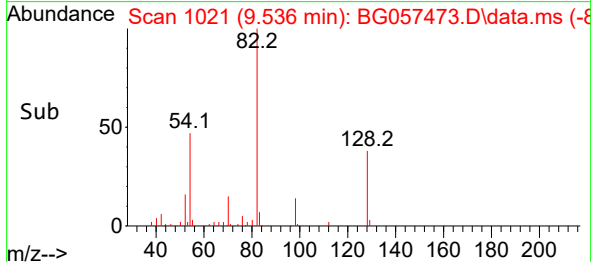
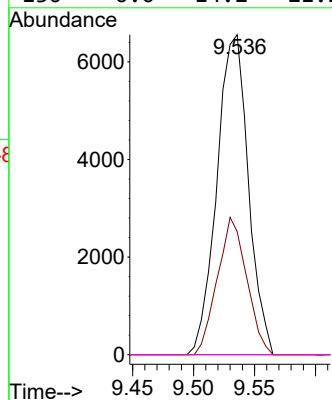
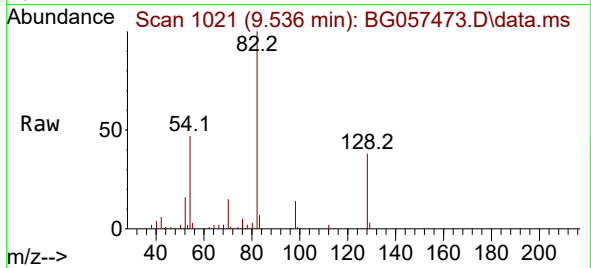




#19
n-Nitroso-di-n-propylamine
Concen: 9.733 ng
RT: 9.536 min Scan# 11
Delta R.T. 0.375 min
Lab File: BG057473.D
Acq: 19 May 2023 18:52

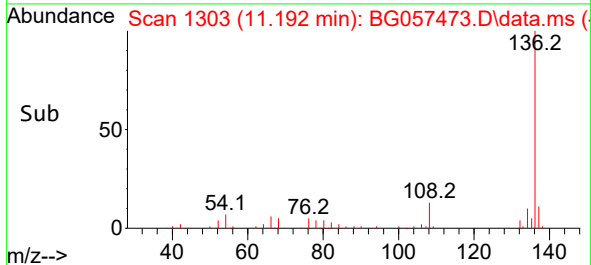
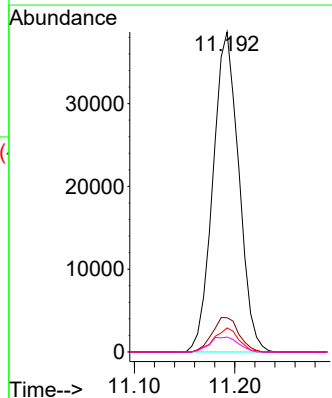
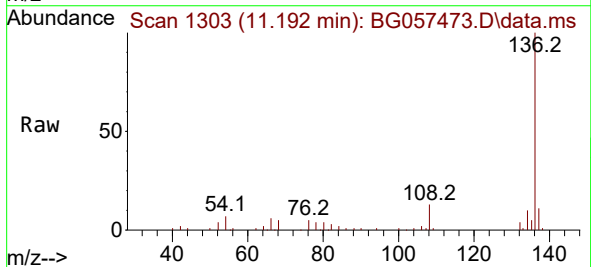
Instrument :
BNA_G
ClientSampleId :
TP2

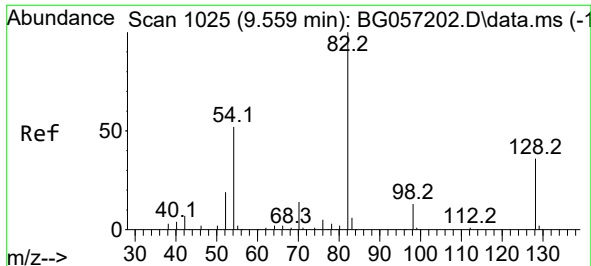
Tgt Ion: 70 Resp: 11759
Ion Ratio Lower Upper
70 100
42 38.5 41.8 62.8#
101 0.0 6.8 10.2#
130 0.0 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.192 min Scan# 1303
Delta R.T. -0.007 min
Lab File: BG057473.D
Acq: 19 May 2023 18:52

Tgt Ion:136 Resp: 68951
Ion Ratio Lower Upper
136 100
137 10.7 8.3 12.5
54 7.5 6.7 10.1
68 4.6 4.6 6.8





#23

Nitrobenzene-d5

Concen: 49.701 ng

RT: 9.530 min Scan# 1020

Delta R.T. -0.007 min

Lab File: BG057473.D

Acq: 19 May 2023 18:52

Instrument :

BNA_G

ClientSampleId :

TP2

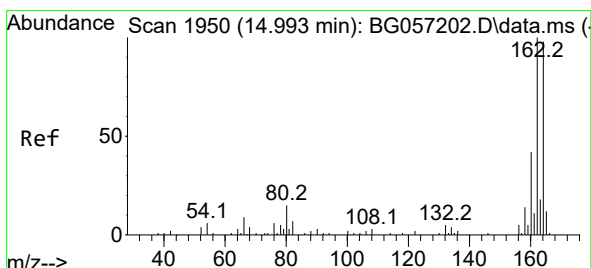
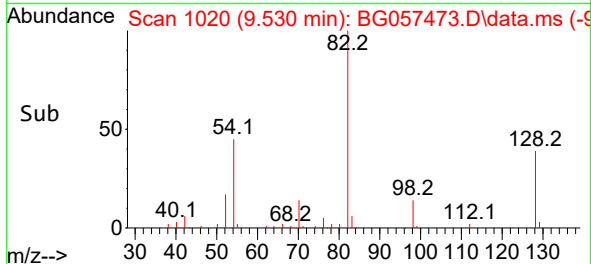
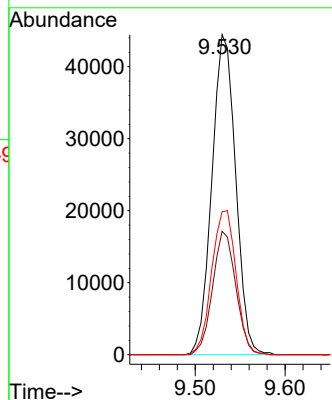
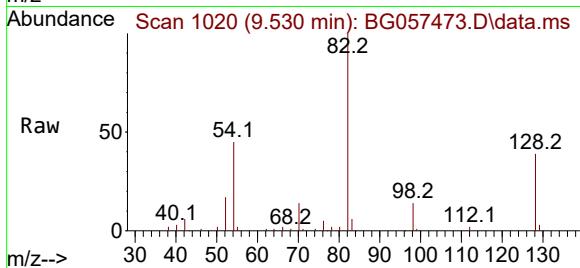
Tgt Ion: 82 Resp: 81651

Ion Ratio Lower Upper

82 100

128 38.5 29.0 43.4

54 44.7 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.970 min Scan# 1946

Delta R.T. -0.007 min

Lab File: BG057473.D

Acq: 19 May 2023 18:52

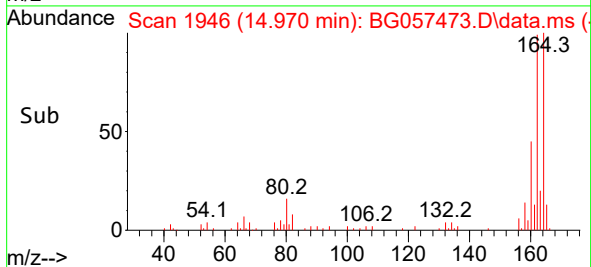
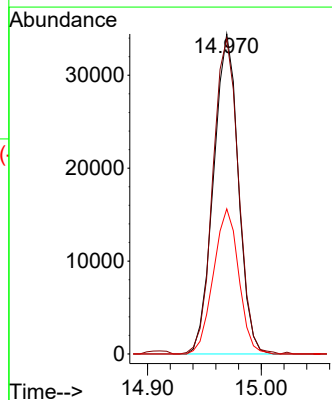
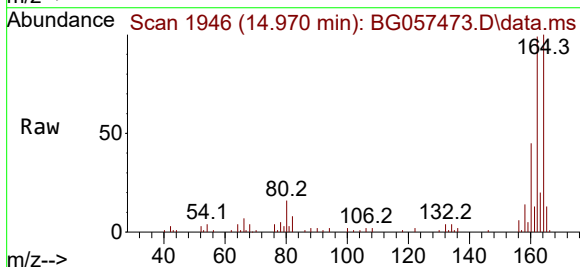
Tgt Ion:164 Resp: 52157

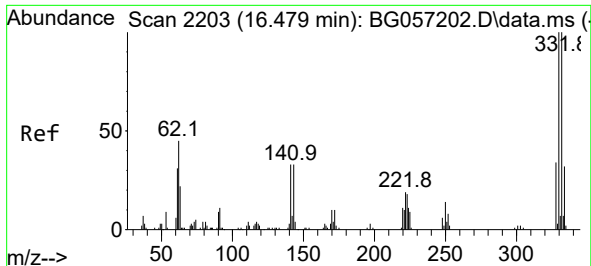
Ion Ratio Lower Upper

164 100

162 98.6 81.8 122.6

160 45.4 34.6 52.0

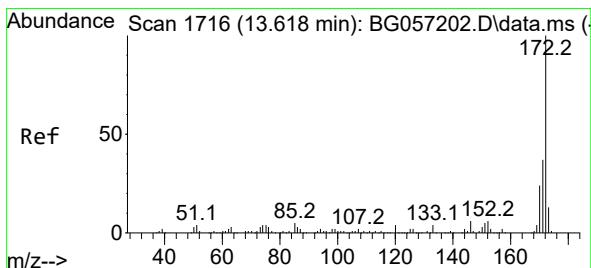
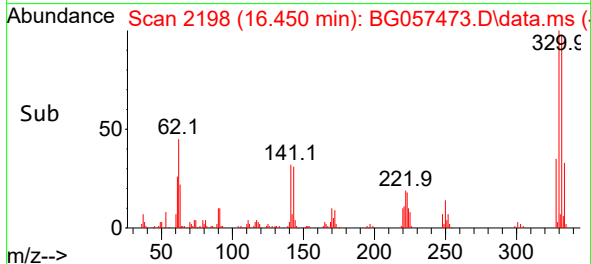
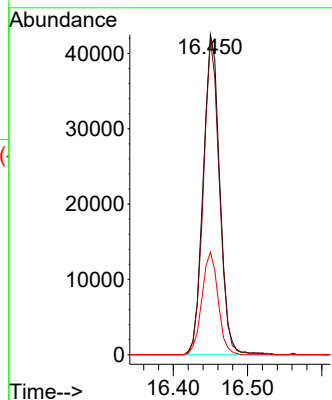
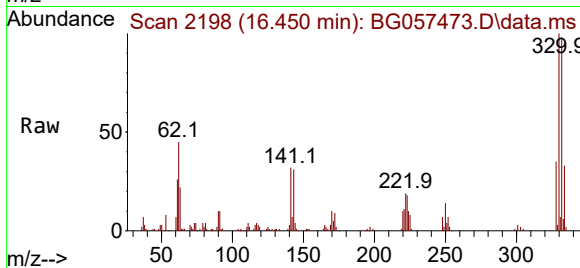




#42
2,4,6-Tribromophenol
Concen: 88.803 ng
RT: 16.450 min Scan# 2119
Delta R.T. -0.007 min
Lab File: BG057473.D
Acq: 19 May 2023 18:52

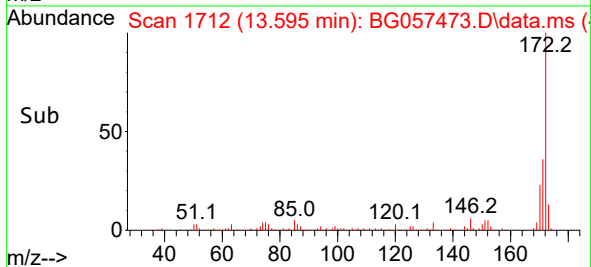
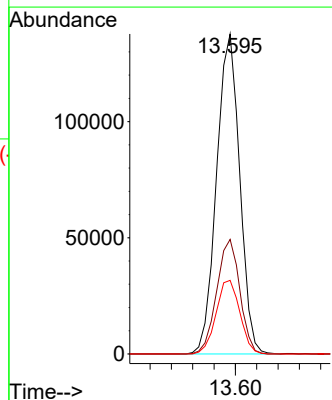
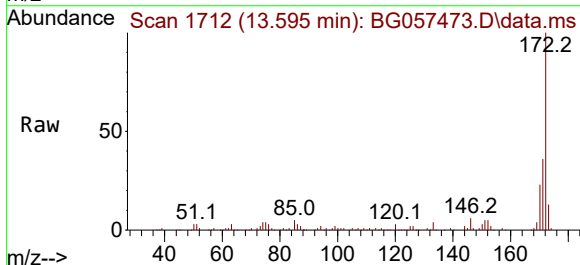
Instrument :
BNA_G
ClientSampleId :
TP2

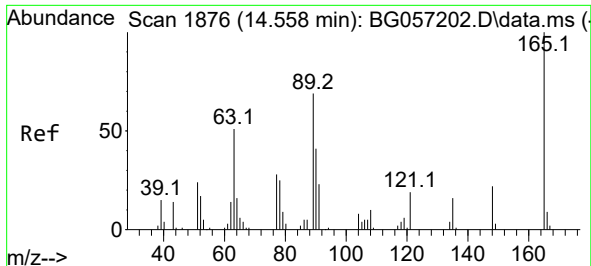
Tgt Ion:330 Resp: 65719
Ion Ratio Lower Upper
330 100
332 95.8 78.2 117.2
141 31.4 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 53.472 ng
RT: 13.595 min Scan# 1712
Delta R.T. -0.007 min
Lab File: BG057473.D
Acq: 19 May 2023 18:52

Tgt Ion:172 Resp: 207079
Ion Ratio Lower Upper
172 100
171 35.8 29.4 44.0
170 23.0 19.0 28.6

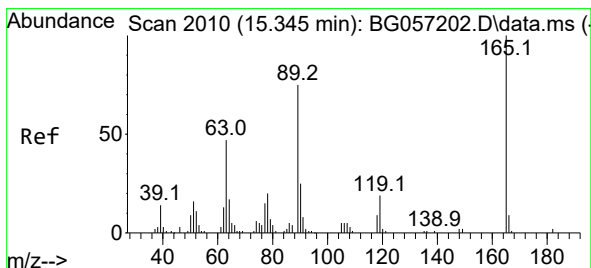
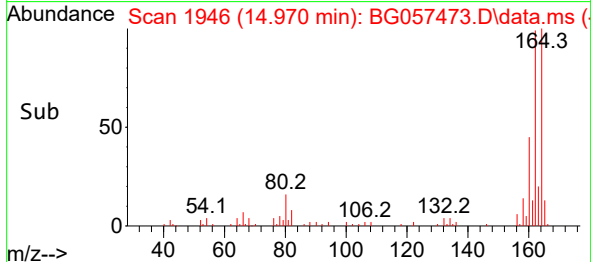
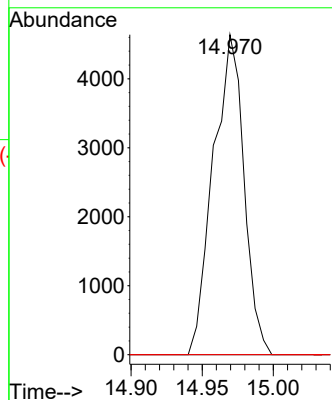
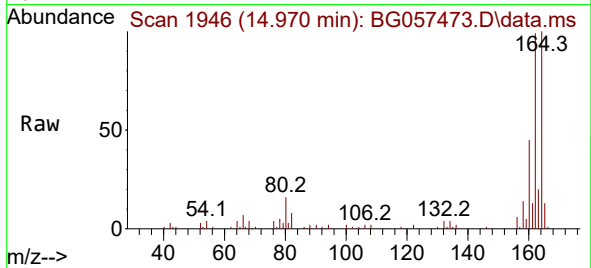




#51
2,6-Dinitrotoluene
Concen: 7.960 ng
RT: 14.970 min Scan# 1946
Delta R.T. 0.428 min
Lab File: BG057473.D
Acq: 19 May 2023 18:52

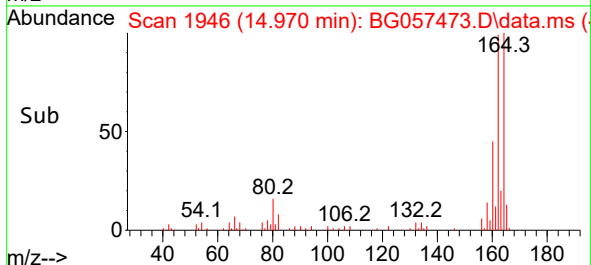
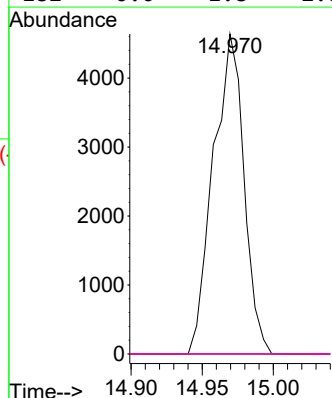
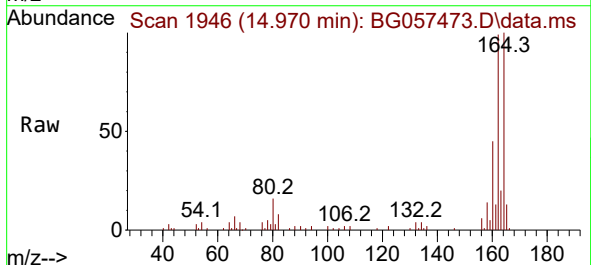
Instrument :
BNA_G
ClientSampleId :
TP2

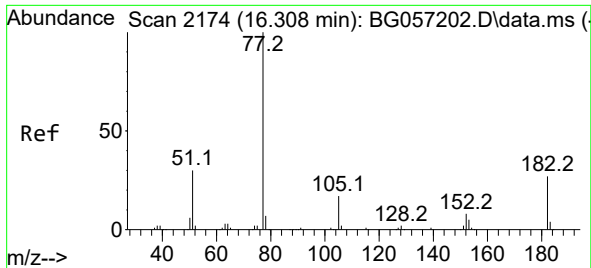
Tgt Ion:165 Resp: 6966
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.570 ng
RT: 14.970 min Scan# 1946
Delta R.T. -0.359 min
Lab File: BG057473.D
Acq: 19 May 2023 18:52

Tgt Ion:165 Resp: 6966
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#

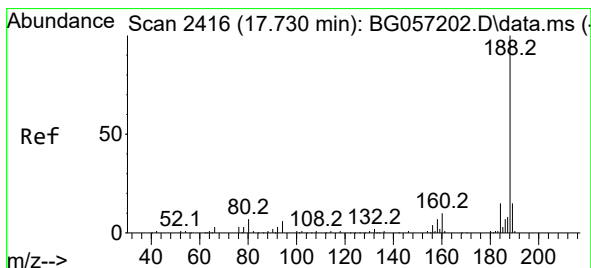
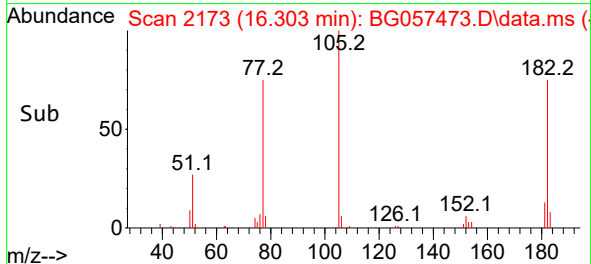
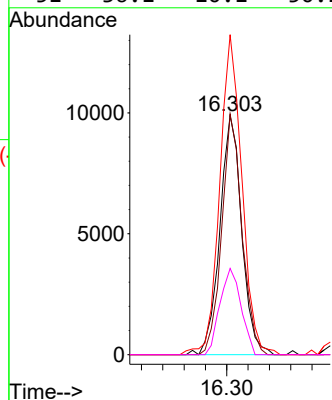
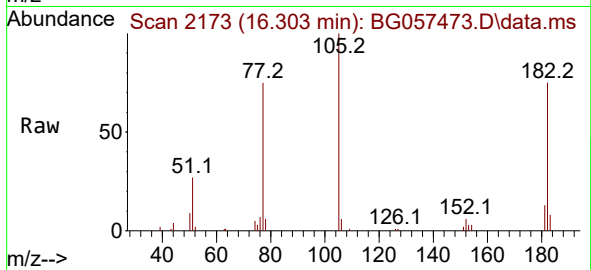




#63
 Azobenzene
 Concen: 3.350 ng
 RT: 16.303 min Scan# 2173
 Delta R.T. 0.017 min
 Lab File: BG057473.D
 Acq: 19 May 2023 18:52

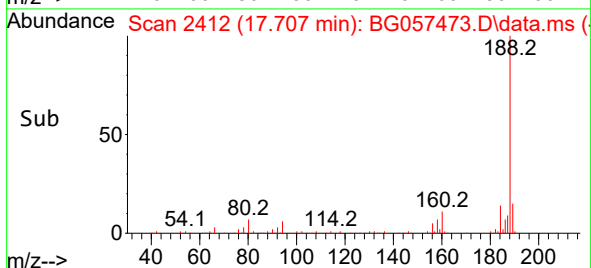
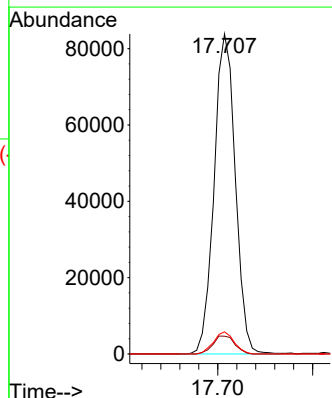
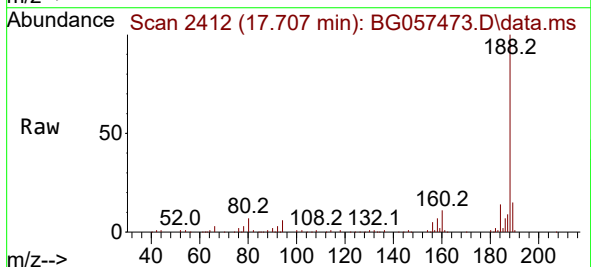
Instrument :
 BNA_G
 ClientSampleId :
 TP2

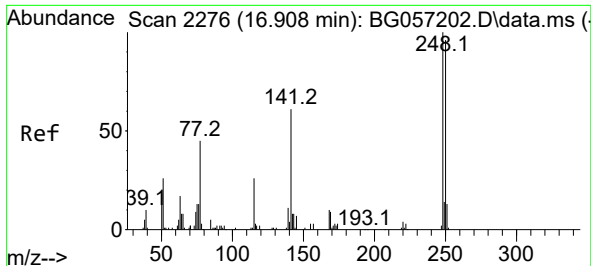
Tgt Ion: 77 Resp: 14070
 Ion Ratio Lower Upper
 77 100
 182 100.6 7.4 47.4#
 105 133.8 0.0 37.2#
 51 36.1 10.1 50.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.707 min Scan# 2412
 Delta R.T. -0.007 min
 Lab File: BG057473.D
 Acq: 19 May 2023 18:52

Tgt Ion: 188 Resp: 130258
 Ion Ratio Lower Upper
 188 100
 94 5.6 5.1 7.7
 80 6.9 5.7 8.5

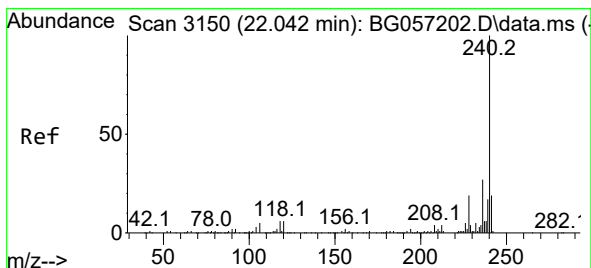
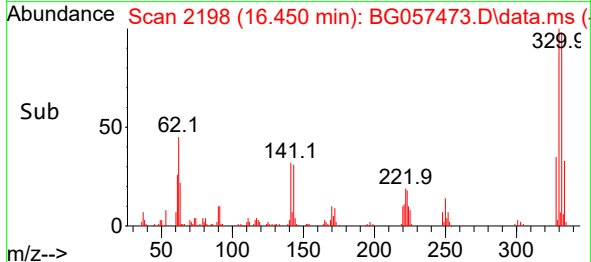
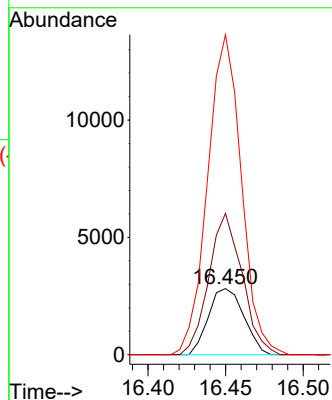
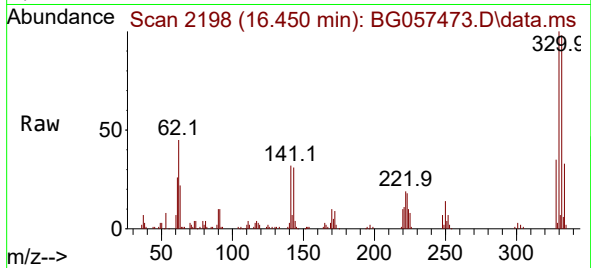




#67
4-Bromophenyl-phenylether
Concen: 2.810 ng
RT: 16.450 min Scan# 2198
Delta R.T. -0.435 min
Lab File: BG057473.D
Acq: 19 May 2023 18:52

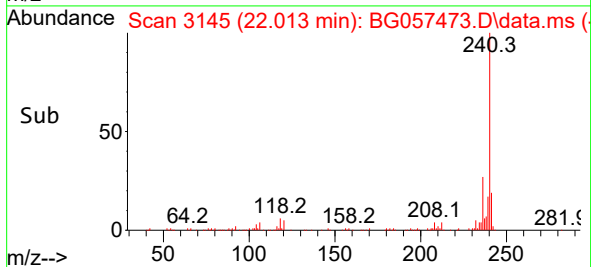
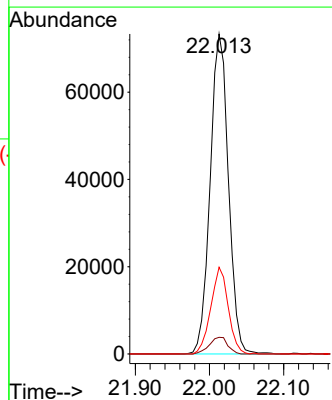
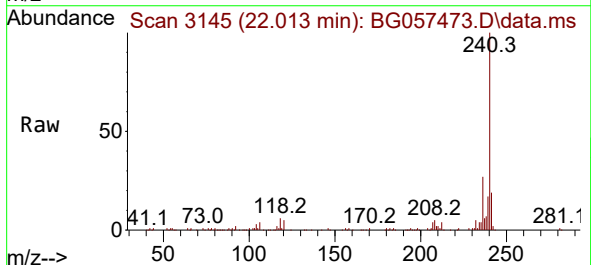
Instrument :
BNA_G
ClientSampleId :
TP2

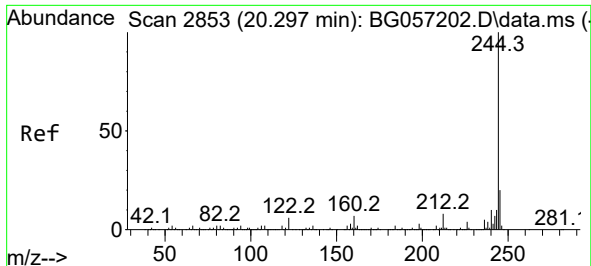
Tgt Ion:248 Resp: 4469
Ion Ratio Lower Upper
248 100
250 213.9 77.0 115.6#
141 484.5 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.013 min Scan# 3145
Delta R.T. -0.007 min
Lab File: BG057473.D
Acq: 19 May 2023 18:52

Tgt Ion:240 Resp: 125561
Ion Ratio Lower Upper
240 100
120 5.2 4.9 7.3
236 27.1 21.4 32.2

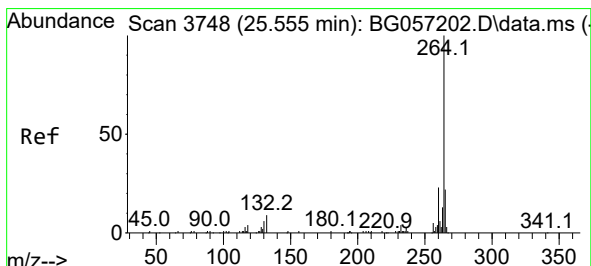
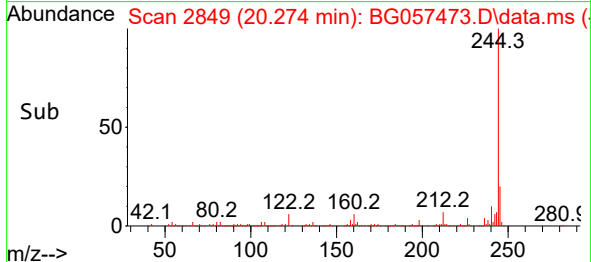
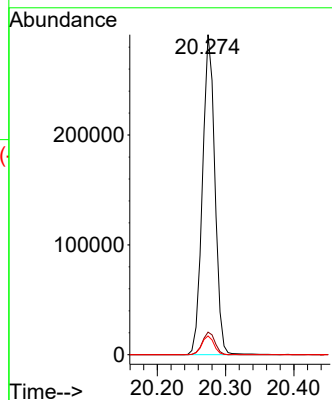
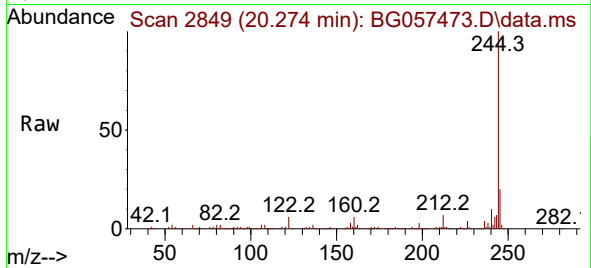




#79
 Terphenyl-d14
 Concen: 47.913 ng
 RT: 20.274 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG057473.D
 Acq: 19 May 2023 18:52

Instrument :
 BNA_G
 ClientSampleId :
 TP2

Tgt Ion:244 Resp: 368646
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 5.9 5.1 7.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.502 min Scan# 3739
 Delta R.T. -0.012 min
 Lab File: BG057473.D
 Acq: 19 May 2023 18:52

Tgt Ion:264 Resp: 134542
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.8 28.2
 265 20.6 17.9 26.9

