

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
 Data File : BG057474.D
 Acq On : 19 May 2023 19:33
 Operator : CG/JU
 Sample : 02848-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP5

Quant Time: May 20 04:29:25 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)

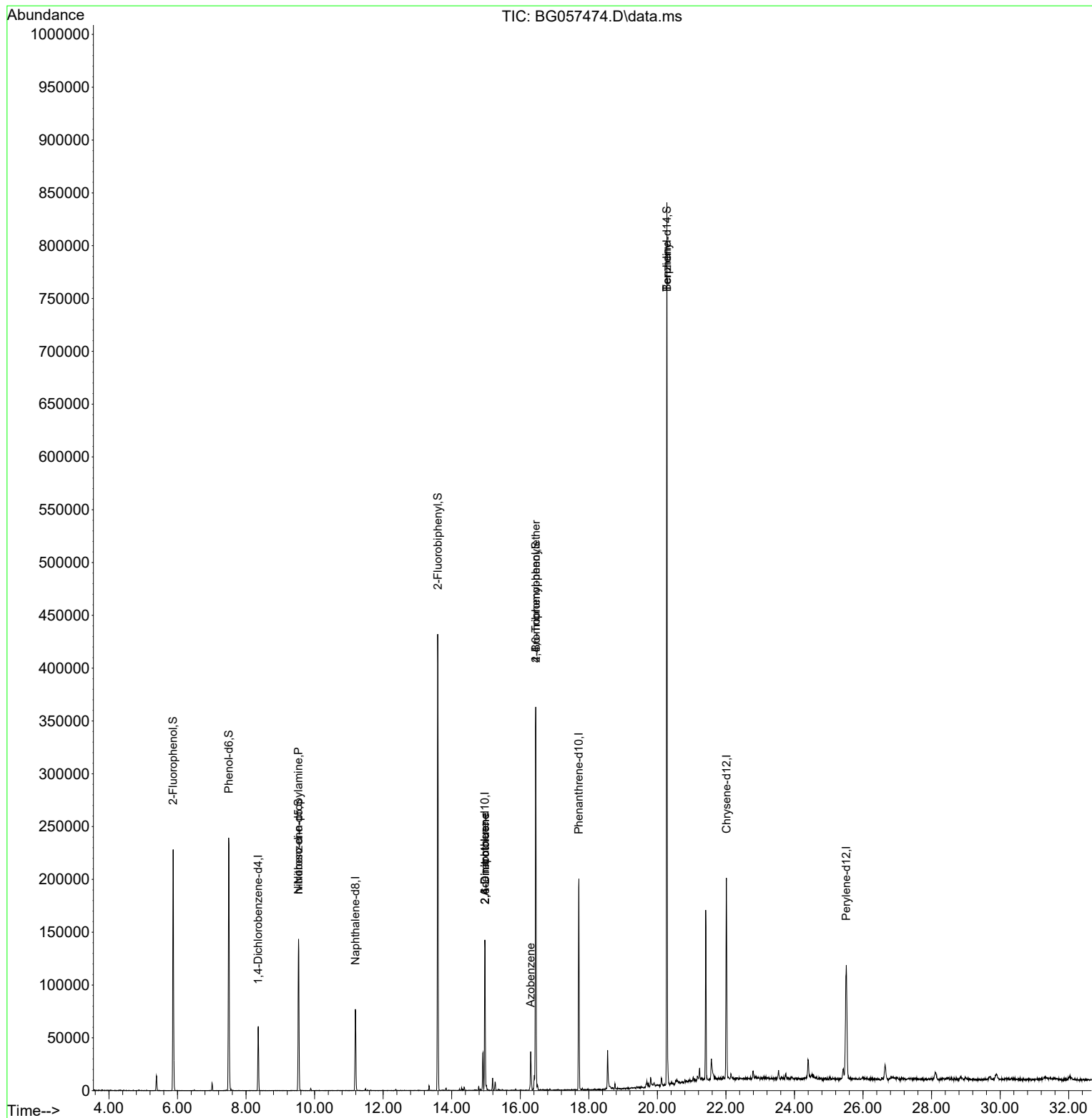
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.351	152	17811	20.000	ng	-0.01
21) Naphthalene-d8	11.188	136	67356	20.000	ng	-0.01
39) Acenaphthene-d10	14.966	164	52089	20.000	ng	-0.01
64) Phenanthrene-d10	17.709	188	132842	20.000	ng	0.00
76) Chrysene-d12	22.015	240	127292	20.000	ng	0.00
86) Perylene-d12	25.510	264	135942	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.872	112	100680	96.695	ng	0.00
7) Phenol-d6	7.493	99	145869	92.257	ng	0.00
23) Nitrobenzene-d5	9.532	82	92293	57.509	ng	0.00
42) 2,4,6-Tribromophenol	16.452	330	75347	101.946	ng	0.00
45) 2-Fluorobiphenyl	13.591	172	232927	60.225	ng	-0.01
79) Terphenyl-d14	20.276	244	418153	53.608	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.493	77	279	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.532	70	12964	10.753	ng	# 75
51) 2,6-Dinitrotoluene	14.972	165	6957	7.960	ng	# 17
57) 2,4-Dinitrotoluene	14.972	165	6957	5.570	ng	# 20
63) Azobenzene	16.305	77	10815	2.579	ng	# 1
67) 4-Bromophenyl-phenylether	16.452	248	5334	3.289	ng	# 1
77) Benzidine	20.276	184	6077	2.135	ng	# 89

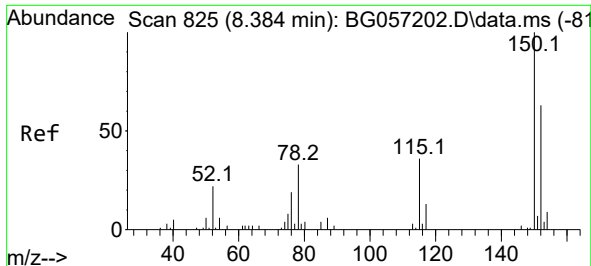
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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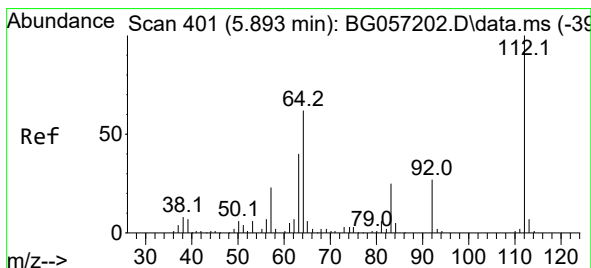
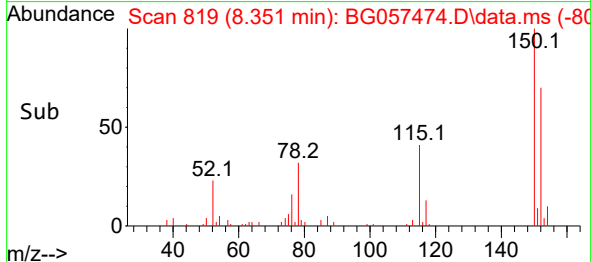
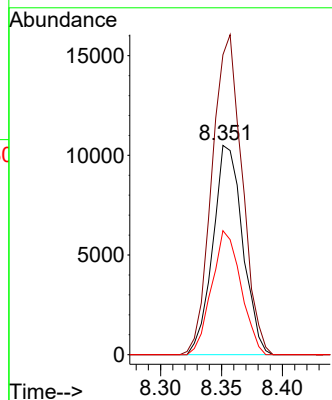
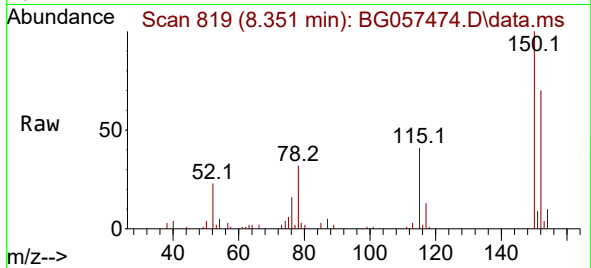




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.351 min Scan# 81
Delta R.T. -0.011 min
Lab File: BG057474.D
Acq: 19 May 2023 19:33

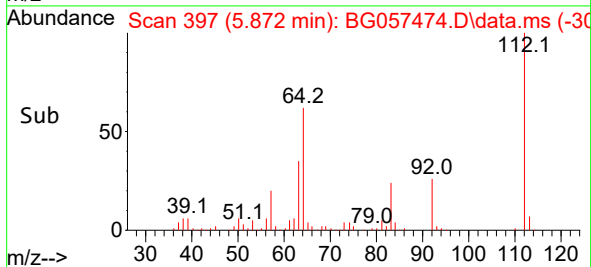
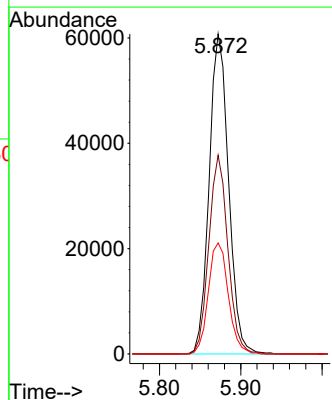
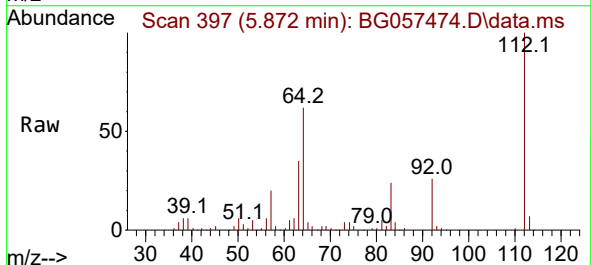
Instrument :
BNA_G
ClientSampleId :
TP5

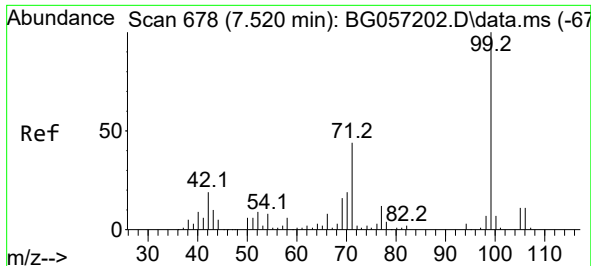
Tgt Ion:152 Resp: 17811
Ion Ratio Lower Upper
152 100
150 143.2 126.2 189.4
115 59.3 45.0 67.4



#5
2-Fluorophenol
Concen: 96.695 ng
RT: 5.872 min Scan# 397
Delta R.T. 0.001 min
Lab File: BG057474.D
Acq: 19 May 2023 19:33

Tgt Ion:112 Resp: 100680
Ion Ratio Lower Upper
112 100
64 62.1 49.4 74.2
63 34.7 31.6 47.4

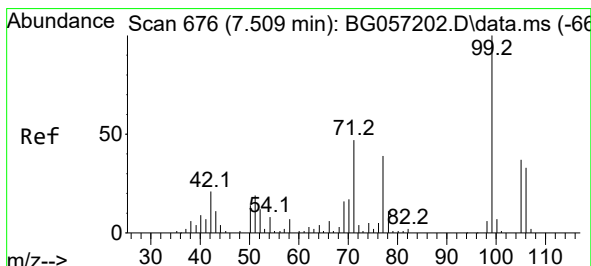
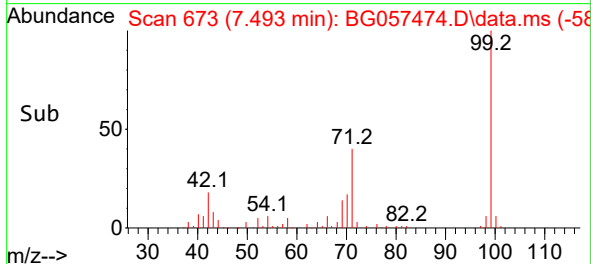
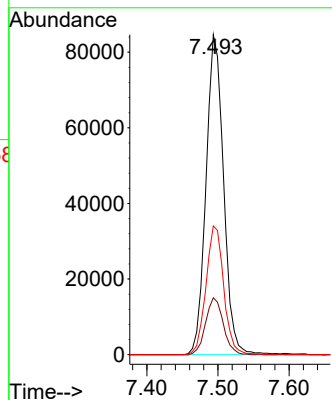
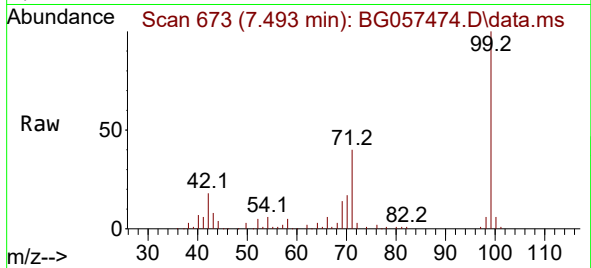




#7
Phenol-d6
Concen: 92.257 ng
RT: 7.493 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG057474.D
Acq: 19 May 2023 19:33

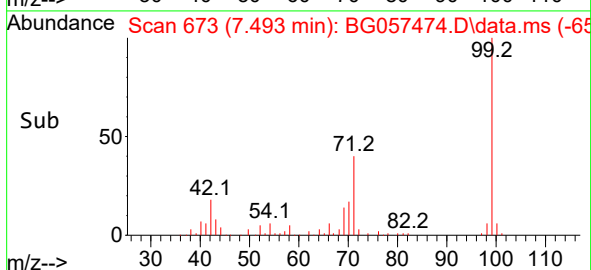
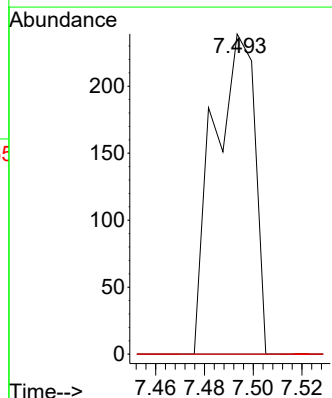
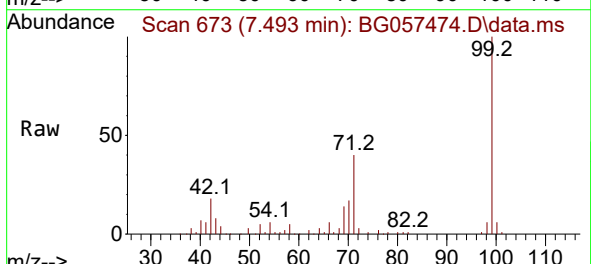
Instrument :
BNA_G
ClientSampleId :
TP5

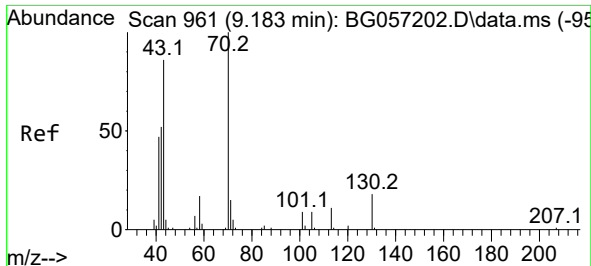
Tgt Ion: 99 Resp: 145869
Ion Ratio Lower Upper
99 100
42 17.8 15.1 22.7
71 40.2 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.493 min Scan# 673
Delta R.T. 0.007 min
Lab File: BG057474.D
Acq: 19 May 2023 19:33

Tgt Ion: 77 Resp: 279
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

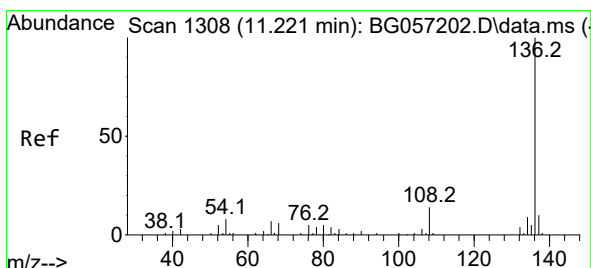
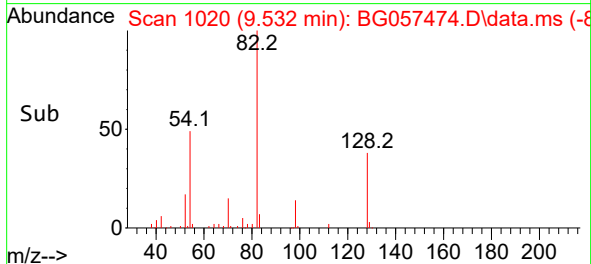
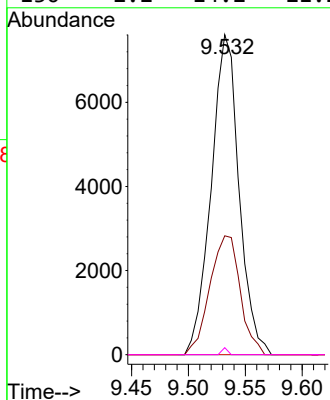
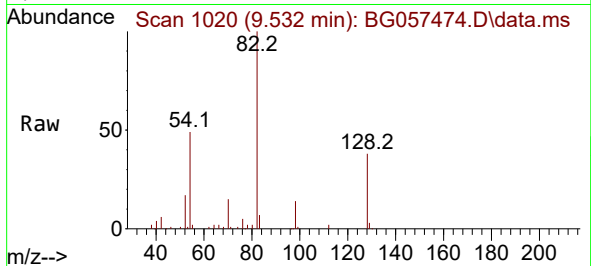




#19
n-Nitroso-di-n-propylamine
Concen: 10.753 ng
RT: 9.532 min Scan# 1020
Delta R.T. 0.371 min
Lab File: BG057474.D
Acq: 19 May 2023 19:33

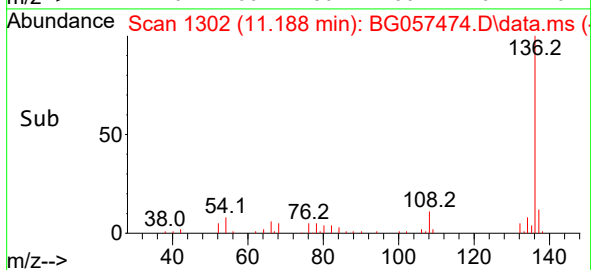
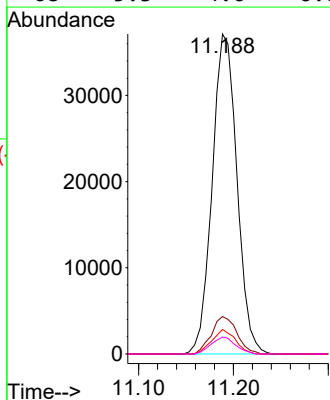
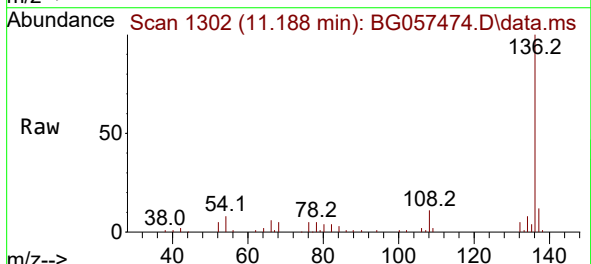
Instrument :
BNA_G
ClientSampleId :
TP5

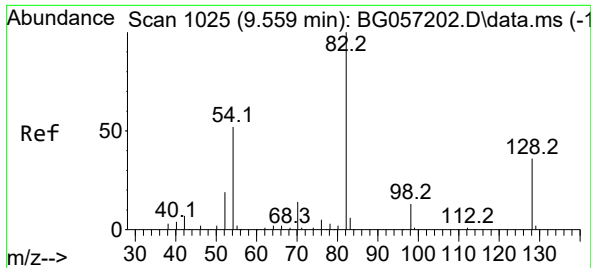
Tgt Ion: 70 Resp: 12964
Ion Ratio Lower Upper
70 100
42 37.2 41.8 62.8#
101 0.0 6.8 10.2#
130 2.2 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.188 min Scan# 1302
Delta R.T. -0.011 min
Lab File: BG057474.D
Acq: 19 May 2023 19:33

Tgt Ion: 136 Resp: 67356
Ion Ratio Lower Upper
136 100
137 11.7 8.3 12.5
54 7.7 6.7 10.1
68 5.3 4.6 6.8

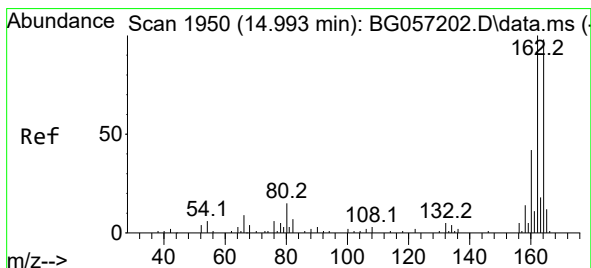
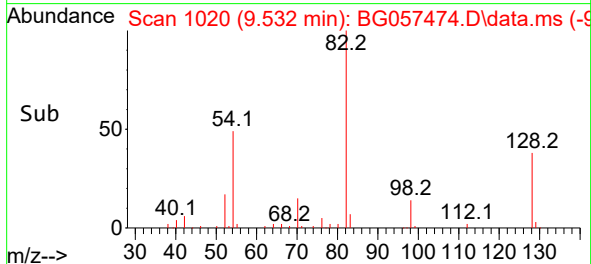
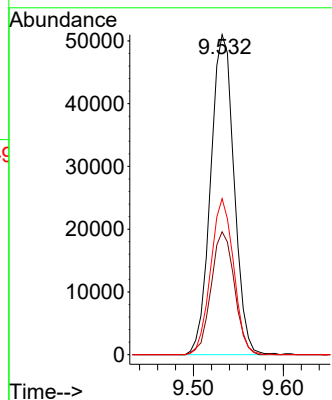
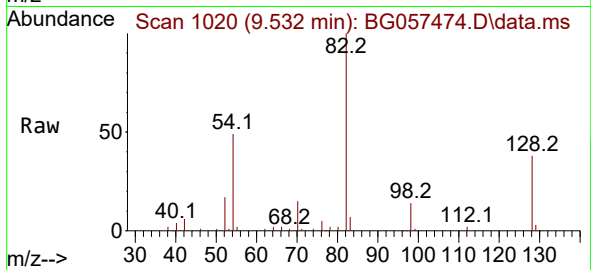




#23
Nitrobenzene-d5
Concen: 57.509 ng
RT: 9.532 min Scan# 1020
Delta R.T. -0.005 min
Lab File: BG057474.D
Acq: 19 May 2023 19:33

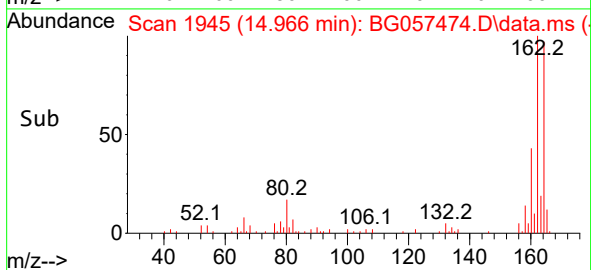
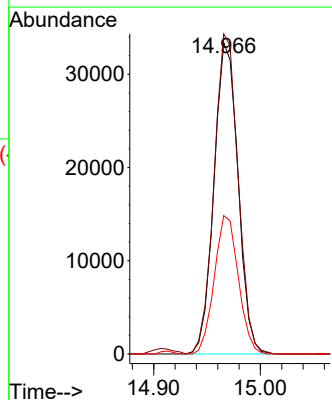
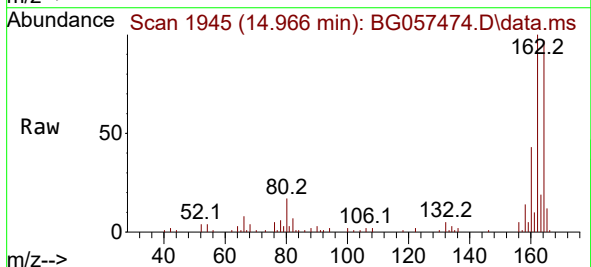
Instrument :
BNA_G
ClientSampleId :
TP5

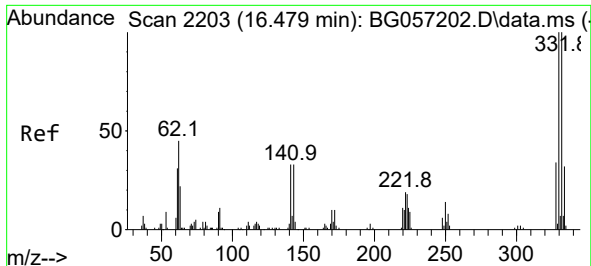
Tgt Ion: 82 Resp: 92293
Ion Ratio Lower Upper
82 100
128 38.4 29.0 43.4
54 48.7 41.4 62.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.966 min Scan# 1945
Delta R.T. -0.011 min
Lab File: BG057474.D
Acq: 19 May 2023 19:33

Tgt Ion:164 Resp: 52089
Ion Ratio Lower Upper
164 100
162 102.8 81.8 122.6
160 44.5 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 101.946 ng

RT: 16.452 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG057474.D

Acq: 19 May 2023 19:33

Instrument :

BNA_G

ClientSampleId :

TP5

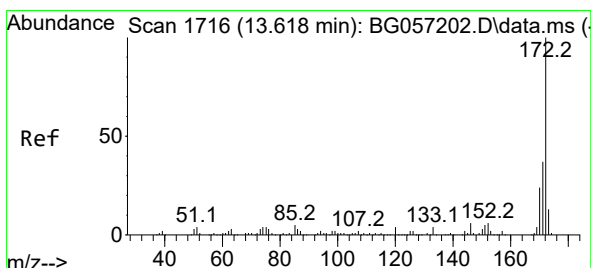
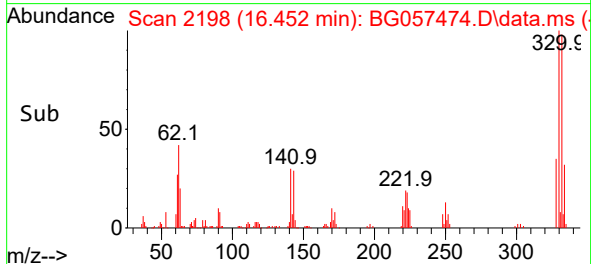
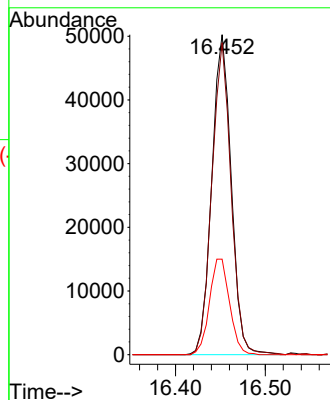
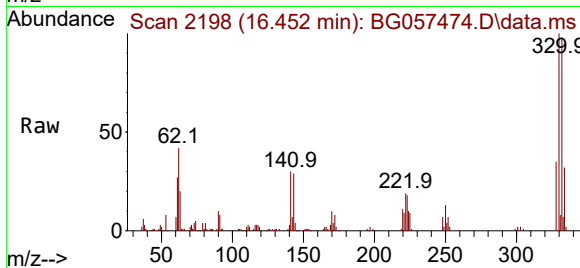
Tgt Ion:330 Resp: 75347

Ion Ratio Lower Upper

330 100

332 96.2 78.2 117.2

141 31.0 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 60.225 ng

RT: 13.591 min Scan# 1711

Delta R.T. -0.011 min

Lab File: BG057474.D

Acq: 19 May 2023 19:33

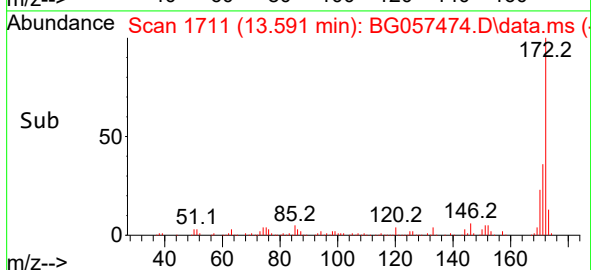
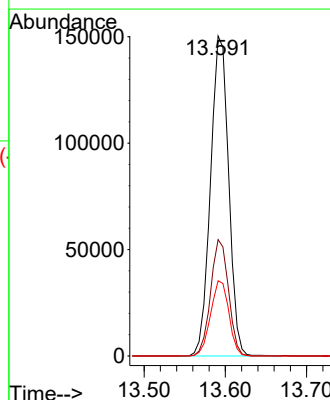
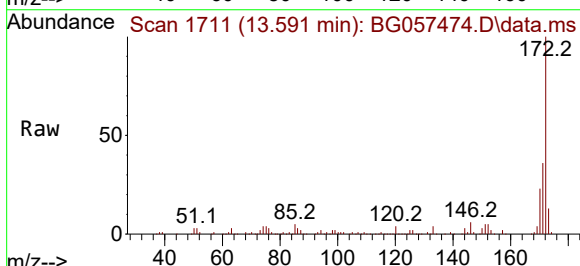
Tgt Ion:172 Resp: 232927

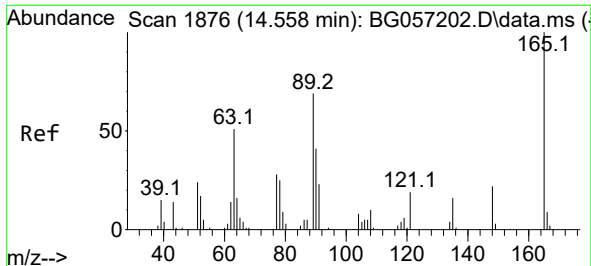
Ion Ratio Lower Upper

172 100

171 36.3 29.4 44.0

170 23.5 19.0 28.6

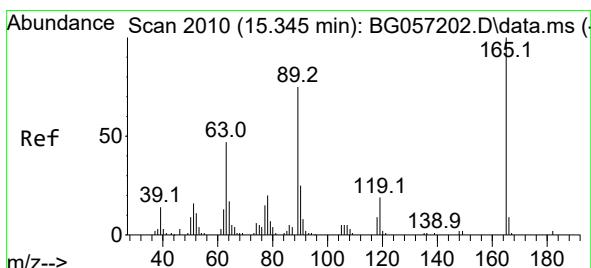
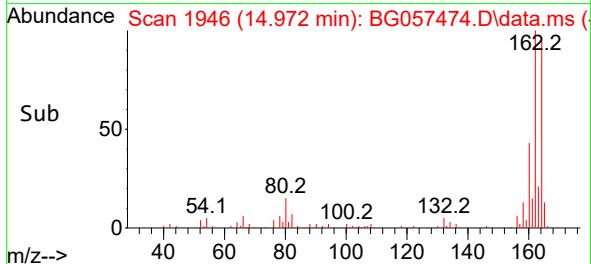
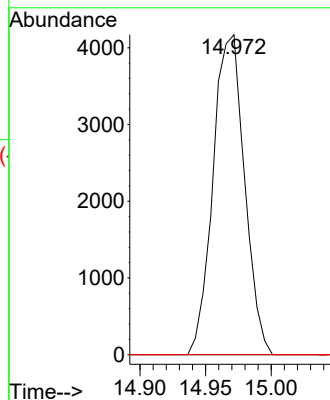
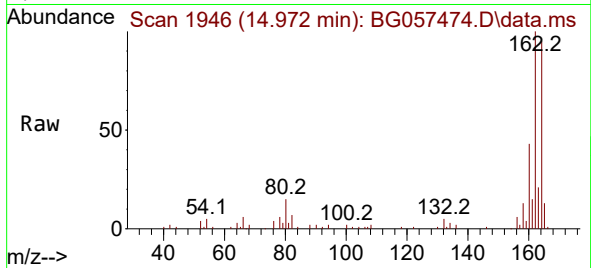




#51
2,6-Dinitrotoluene
Concen: 7.960 ng
RT: 14.972 min Scan# 1946
Delta R.T. 0.430 min
Lab File: BG057474.D
Acq: 19 May 2023 19:33

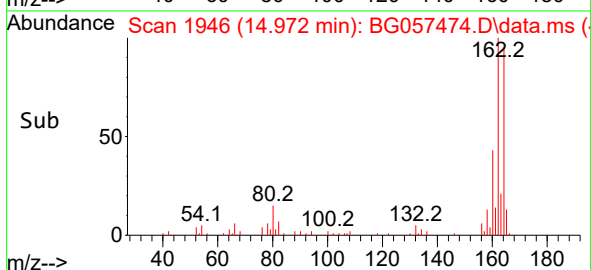
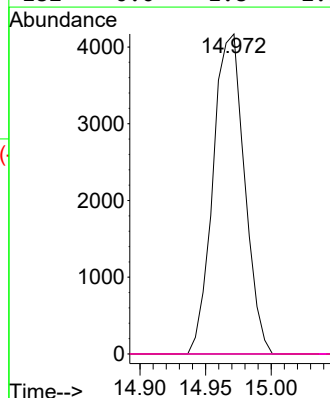
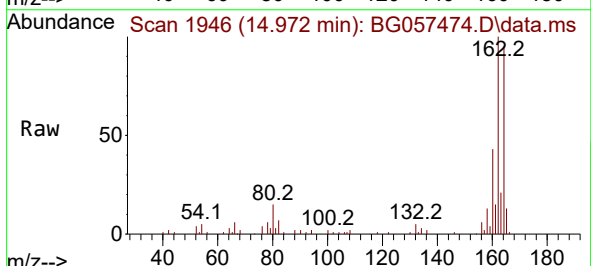
Instrument :
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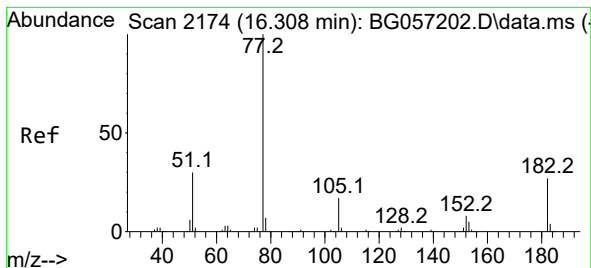
Tgt Ion:165 Resp: 6957
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.570 ng
RT: 14.972 min Scan# 1946
Delta R.T. -0.357 min
Lab File: BG057474.D
Acq: 19 May 2023 19:33

Tgt Ion:165 Resp: 6957
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: 2.579 ng

RT: 16.305 min Scan# 21

Delta R.T. 0.019 min

Lab File: BG057474.D

Acq: 19 May 2023 19:33

Instrument :

BNA_G

ClientSampleId :

TP5

Tgt Ion: 77 Resp: 10815

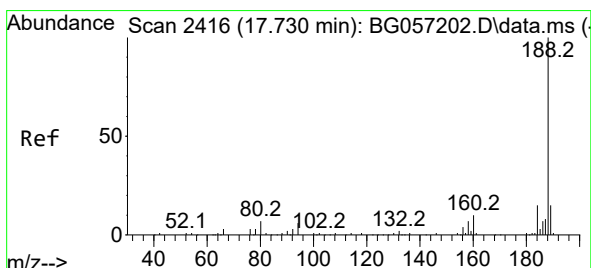
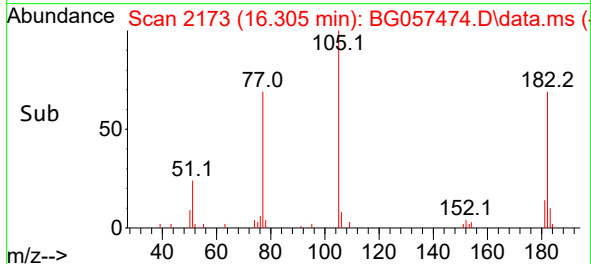
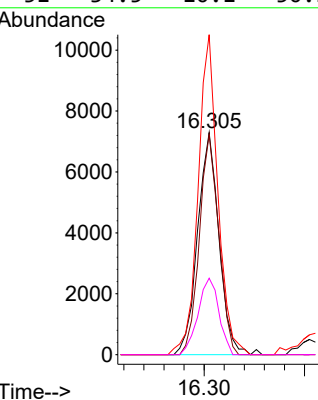
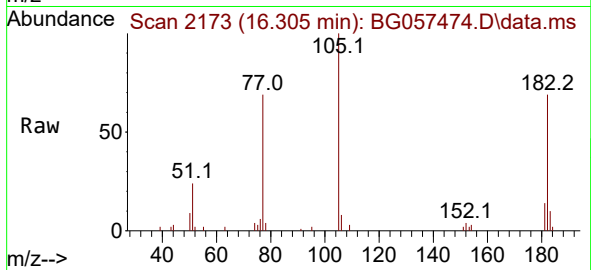
Ion Ratio Lower Upper

77 100

182 99.0 7.4 47.4#

105 144.1 0.0 37.2#

51 34.5 10.1 50.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.709 min Scan# 2412

Delta R.T. -0.005 min

Lab File: BG057474.D

Acq: 19 May 2023 19:33

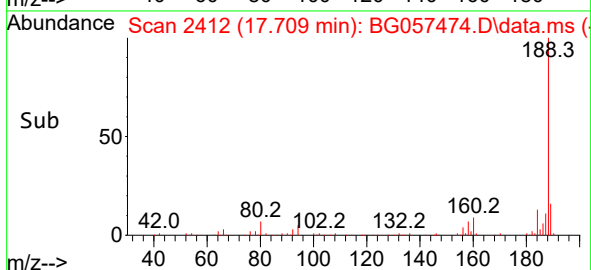
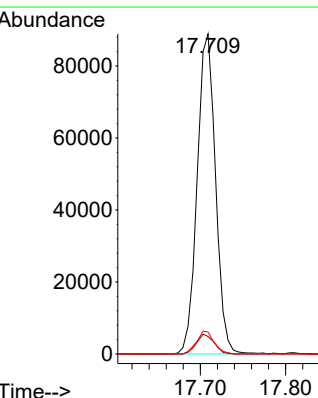
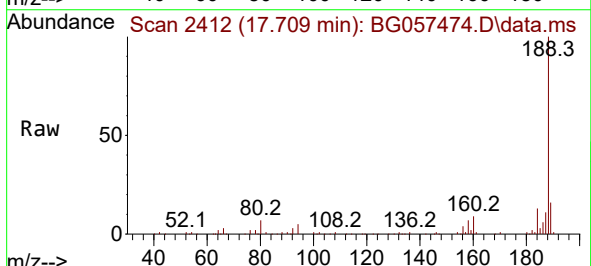
Tgt Ion:188 Resp: 132842

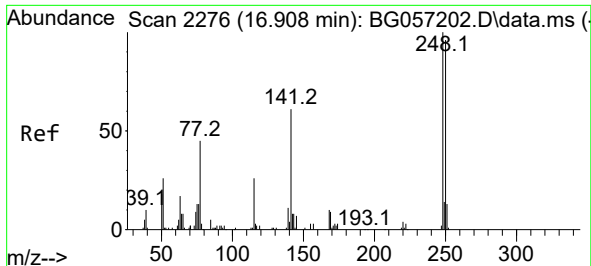
Ion Ratio Lower Upper

188 100

94 5.5 5.1 7.7

80 6.9 5.7 8.5

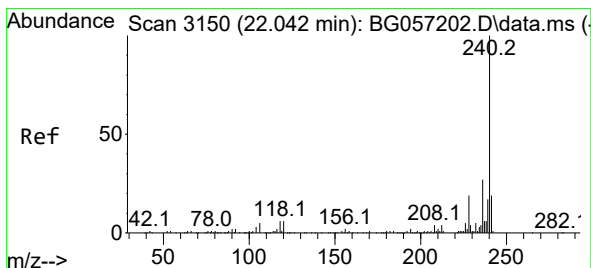
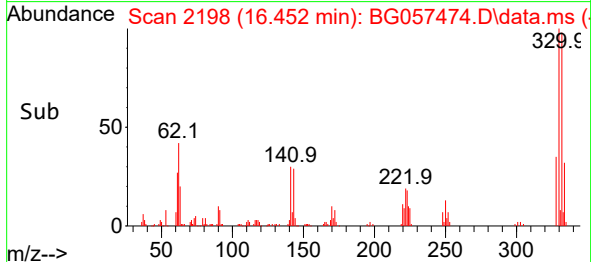
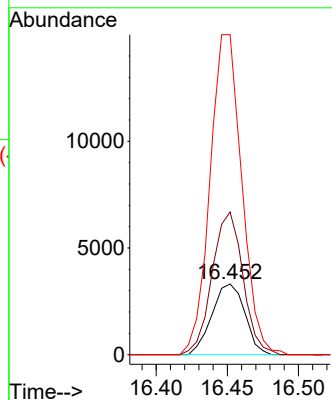
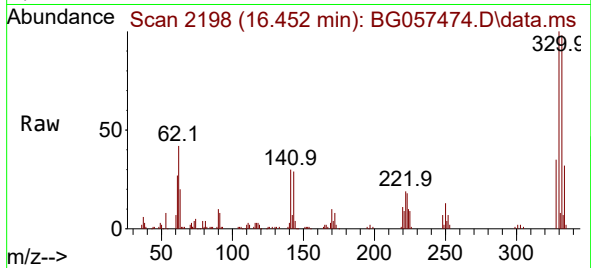




#67
4-Bromophenyl-phenylether
Concen: 3.289 ng
RT: 16.452 min Scan# 2198
Delta R.T. -0.433 min
Lab File: BG057474.D
Acq: 19 May 2023 19:33

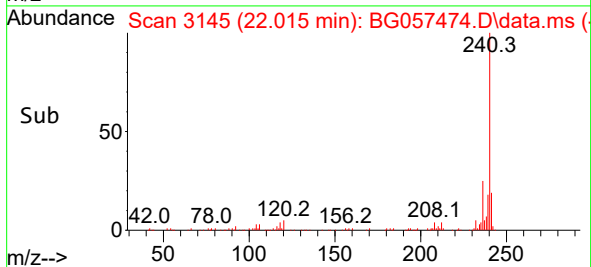
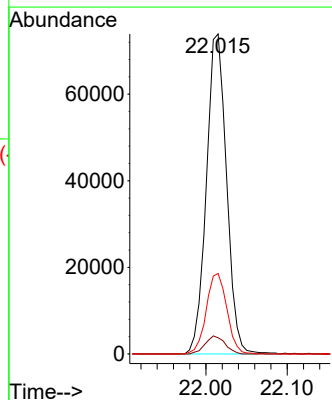
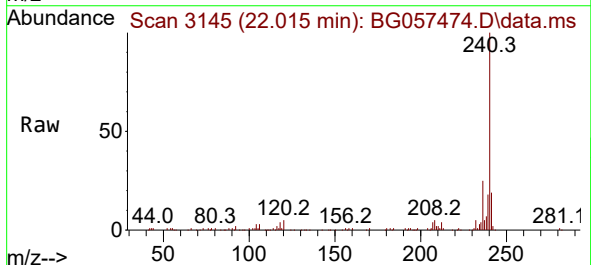
Instrument :
BNA_G
ClientSampleId :
TP5

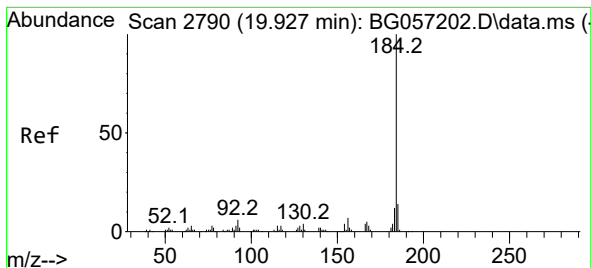
Tgt Ion:248 Resp: 5334
Ion Ratio Lower Upper
248 100
250 201.7 77.0 115.6#
141 452.1 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.015 min Scan# 3145
Delta R.T. -0.005 min
Lab File: BG057474.D
Acq: 19 May 2023 19:33

Tgt Ion:240 Resp: 127292
Ion Ratio Lower Upper
240 100
120 5.0 4.9 7.3
236 25.1 21.4 32.2





#77

Benzidine

Concen: 2.135 ng

RT: 20.276 min Scan# 2849

Delta R.T. 0.365 min

Lab File: BG057474.D

Acq: 19 May 2023 19:33

Instrument :

BNA_G

ClientSampleId :

TP5

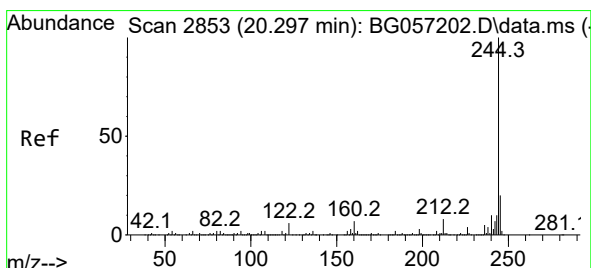
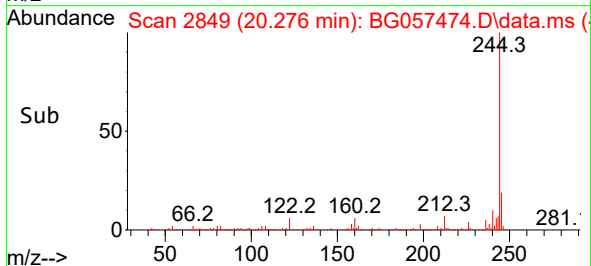
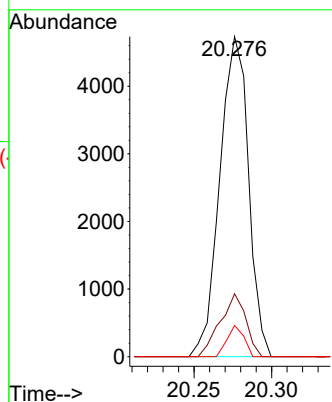
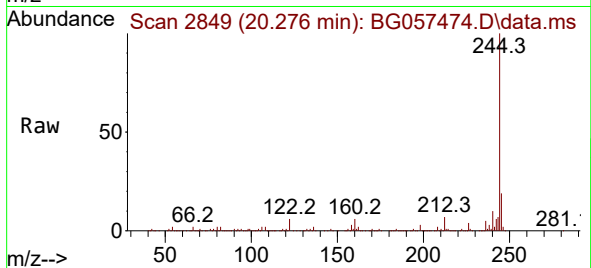
Tgt Ion:184 Resp: 6077

Ion Ratio Lower Upper

184 100

185 19.6 11.1 16.7#

183 9.7 9.9 14.9#



#79

Terphenyl-d14

Concen: 53.608 ng

RT: 20.276 min Scan# 2849

Delta R.T. -0.005 min

Lab File: BG057474.D

Acq: 19 May 2023 19:33

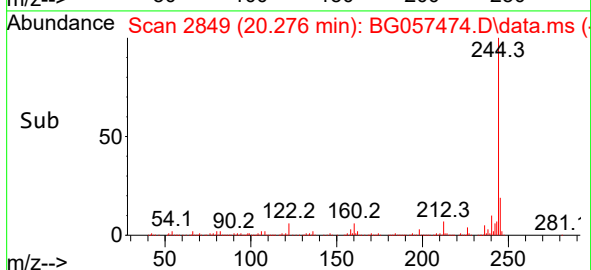
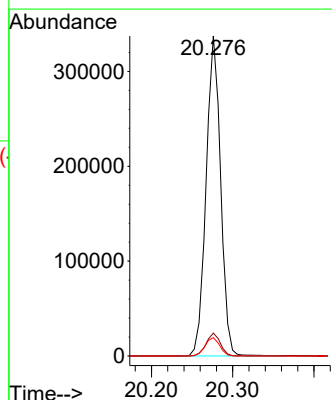
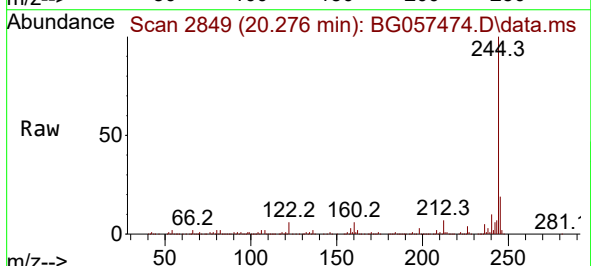
Tgt Ion:244 Resp: 418153

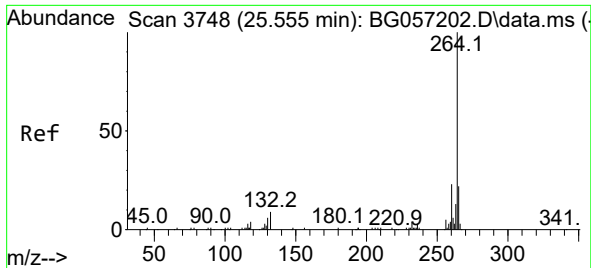
Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

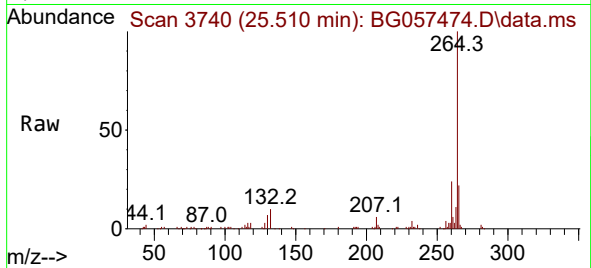
122 5.7 5.1 7.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.510 min Scan# 31
 Delta R.T. -0.005 min
 Lab File: BG057474.D
 Acq: 19 May 2023 19:33

Instrument :
 BNA_G
 ClientSampleId :
 TP5



Tgt Ion:264 Resp: 135942
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.8 28.2
 265 22.0 17.9 26.9

