

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
 Data File : BG057482.D
 Acq On : 20 May 2023 1:05
 Operator : CG/JU
 Sample : 02849-21
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP9

Quant Time: May 20 04:31:49 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)

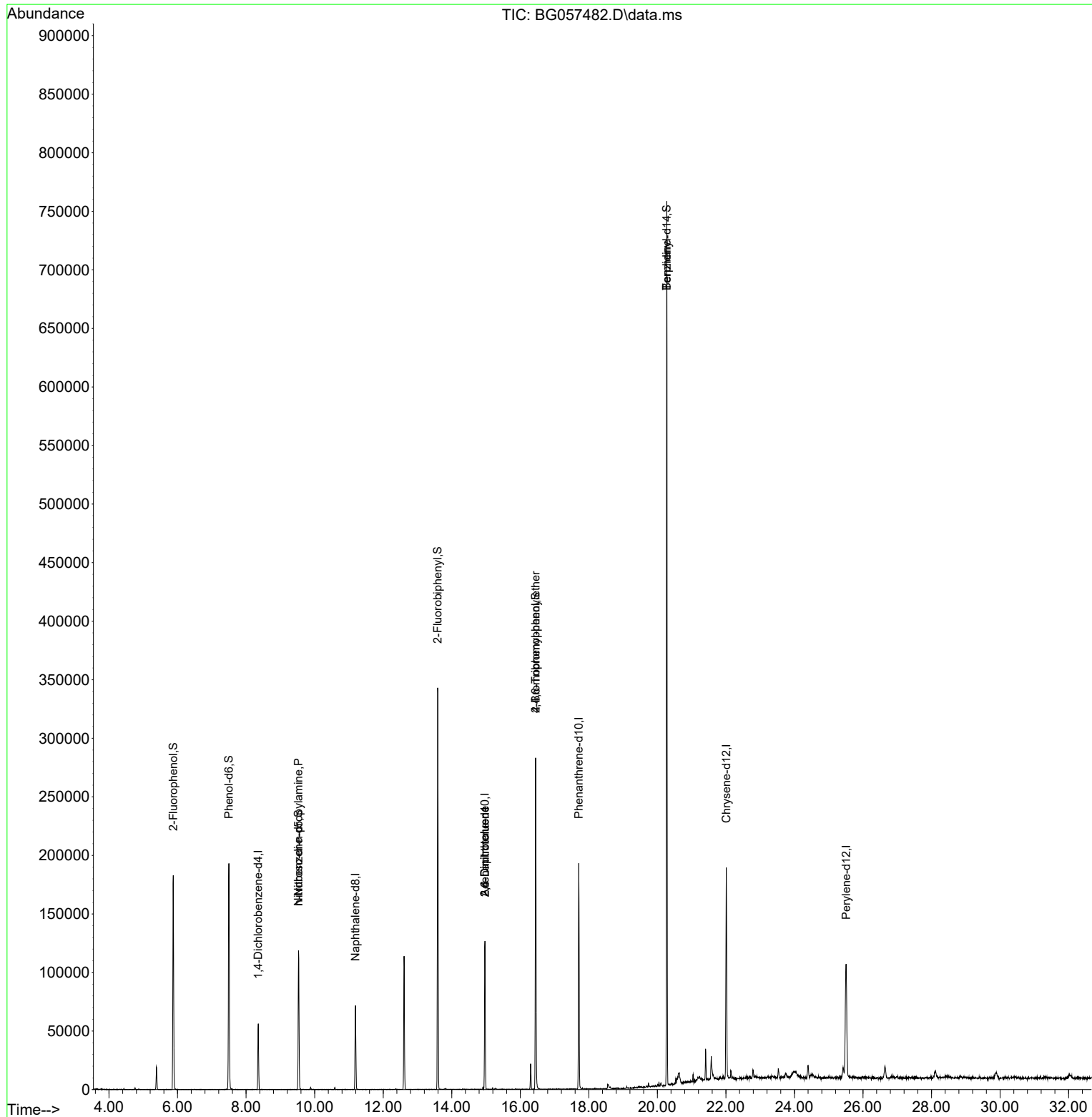
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	16172	20.000	ng	0.00
21) Naphthalene-d8	11.192	136	62012	20.000	ng	0.00
39) Acenaphthene-d10	14.970	164	47382	20.000	ng	0.00
64) Phenanthrene-d10	17.707	188	125232	20.000	ng	0.00
76) Chrysene-d12	22.013	240	119595	20.000	ng	0.00
86) Perylene-d12	25.508	264	126733	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	81462	86.167	ng	0.00
7) Phenol-d6	7.497	99	116748	81.323	ng	0.00
23) Nitrobenzene-d5	9.530	82	77137	52.208	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	60310	89.707	ng	0.00
45) 2-Fluorobiphenyl	13.589	172	187274	53.231	ng	-0.01
79) Terphenyl-d14	20.274	244	383329	52.307	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.497	77	54	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.530	70	10884	9.943 ng	#	80
51) 2,6-Dinitrotoluene	14.970	165	6581	8.278 ng	#	19
57) 2,4-Dinitrotoluene	14.970	165	6581	5.792 ng	#	23
67) 4-Bromophenyl-phenylether	16.450	248	4112	2.690 ng	#	1
77) Benzidine	20.274	184	5623	2.103 ng	#	87

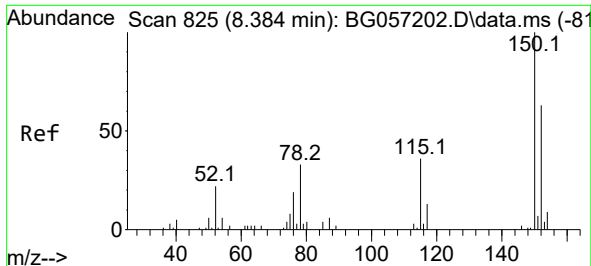
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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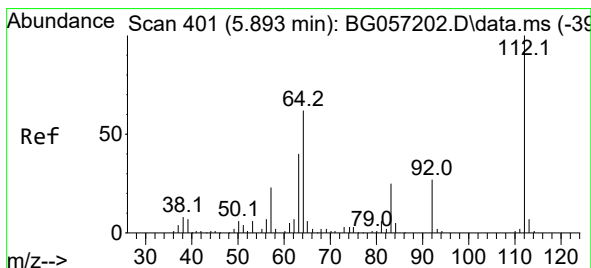
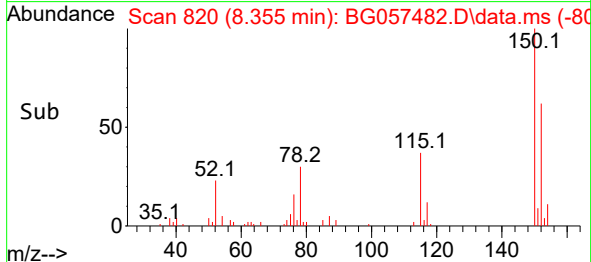
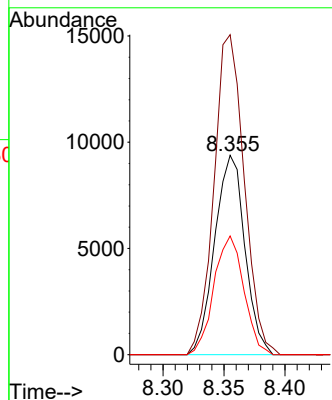
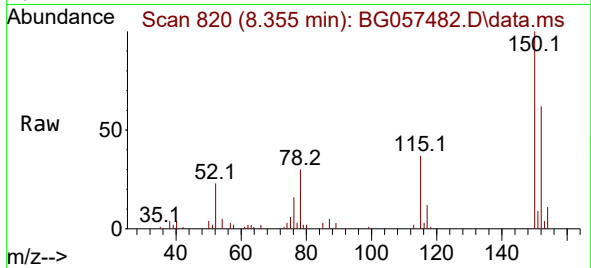




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057482.D
Acq: 20 May 2023 1:05

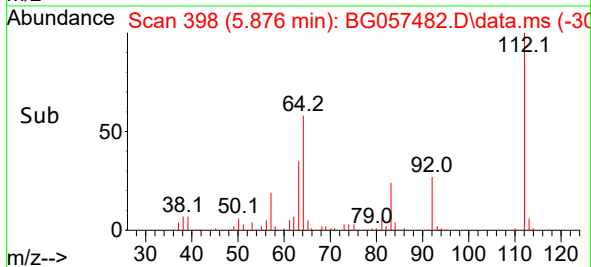
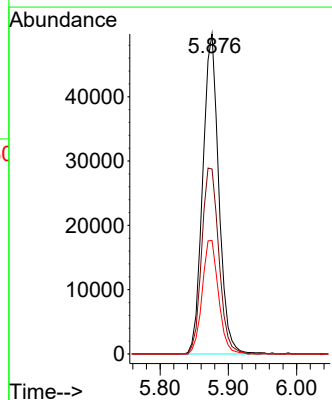
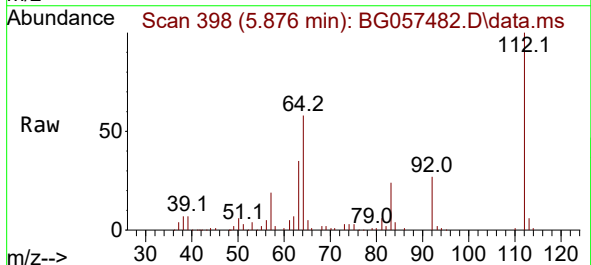
Instrument :
BNA_G
ClientSampleId :
TP9

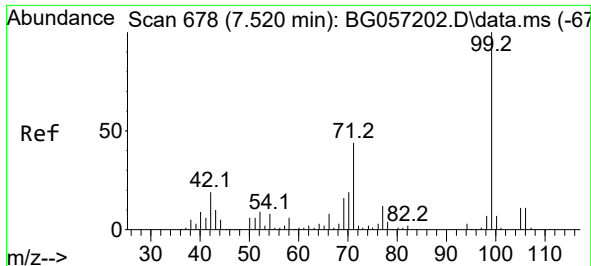
Tgt Ion:152 Resp: 16172
Ion Ratio Lower Upper
152 100
150 160.5 126.2 189.4
115 59.6 45.0 67.4



#5
2-Fluorophenol
Concen: 86.167 ng
RT: 5.876 min Scan# 398
Delta R.T. 0.005 min
Lab File: BG057482.D
Acq: 20 May 2023 1:05

Tgt Ion:112 Resp: 81462
Ion Ratio Lower Upper
112 100
64 57.8 49.4 74.2
63 35.4 31.6 47.4

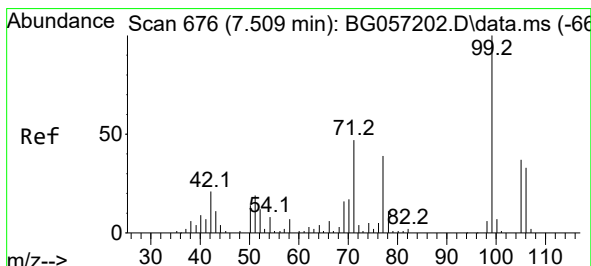
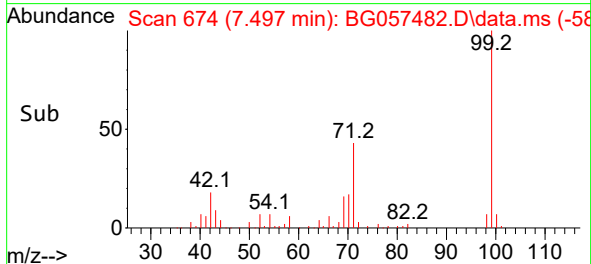
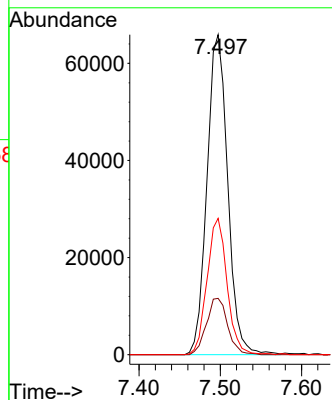
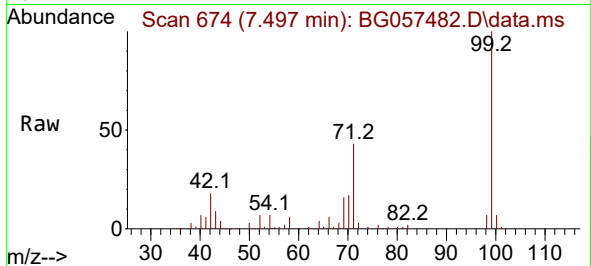




#7
Phenol-d6
Concen: 81.323 ng
RT: 7.497 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG057482.D
Acq: 20 May 2023 1:05

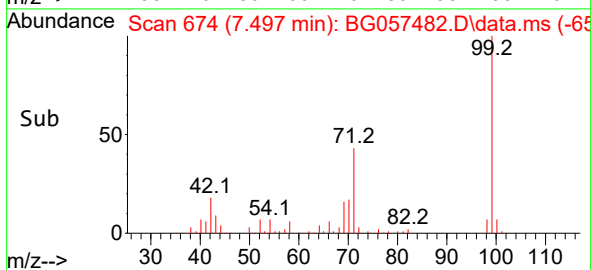
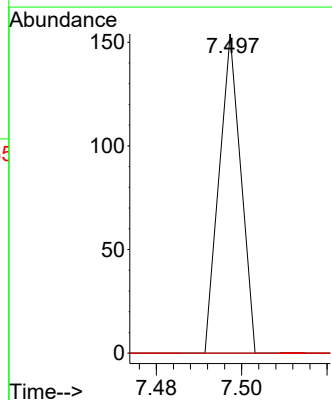
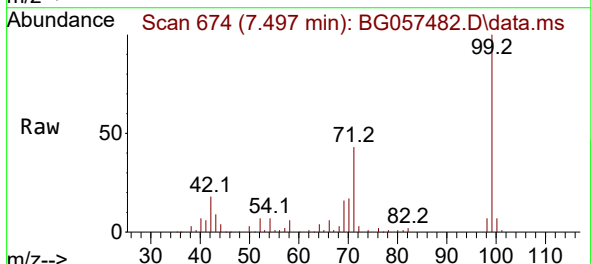
Instrument :
BNA_G
ClientSampleId :
TP9

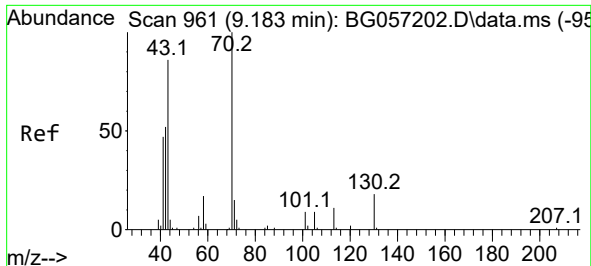
Tgt Ion: 99 Resp: 116748
Ion Ratio Lower Upper
99 100
42 17.6 15.1 22.7
71 42.6 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.497 min Scan# 674
Delta R.T. 0.011 min
Lab File: BG057482.D
Acq: 20 May 2023 1:05

Tgt Ion: 77 Resp: 54
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

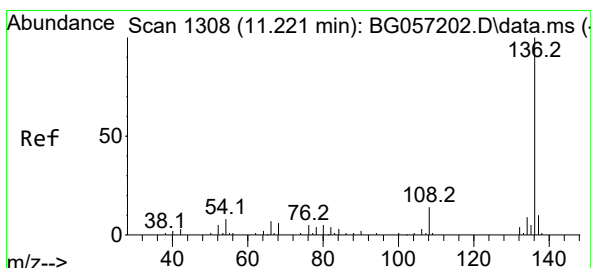
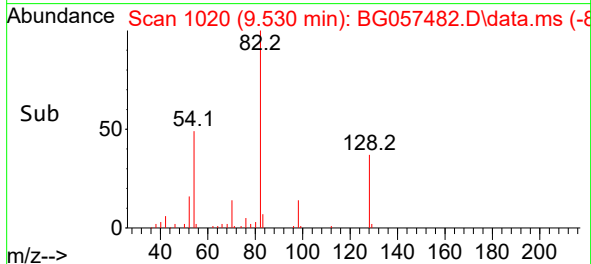
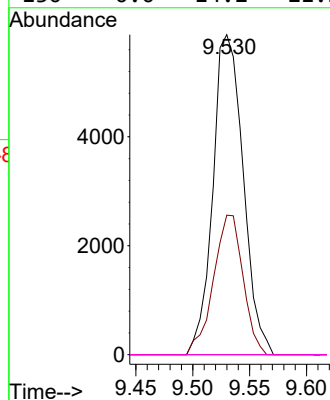
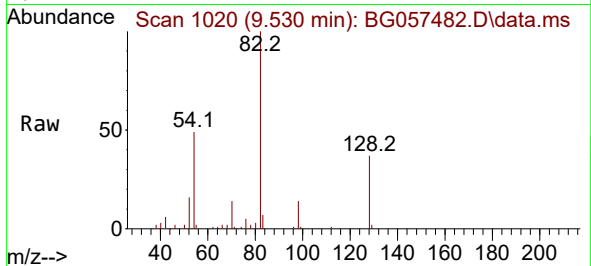




#19
n-Nitroso-di-n-propylamine
Concen: 9.943 ng
RT: 9.530 min Scan# 1020
Delta R.T. 0.369 min
Lab File: BG057482.D
Acq: 20 May 2023 1:05

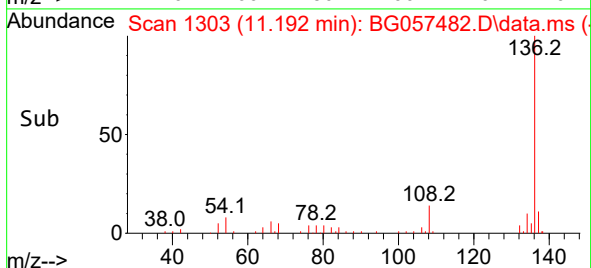
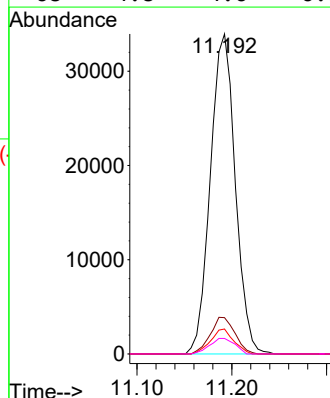
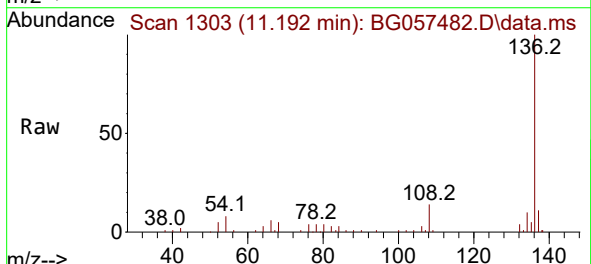
Instrument :
BNA_G
ClientSampleId :
TP9

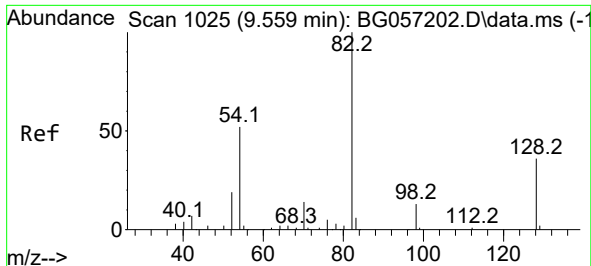
Tgt Ion: 70 Resp: 10884
Ion Ratio Lower Upper
70 100
42 43.6 41.8 62.8
101 0.0 6.8 10.2#
130 0.0 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.192 min Scan# 1303
Delta R.T. -0.007 min
Lab File: BG057482.D
Acq: 20 May 2023 1:05

Tgt Ion: 136 Resp: 62012
Ion Ratio Lower Upper
136 100
137 11.4 8.3 12.5
54 7.8 6.7 10.1
68 4.8 4.6 6.8

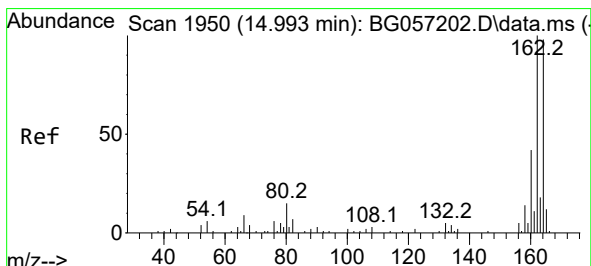
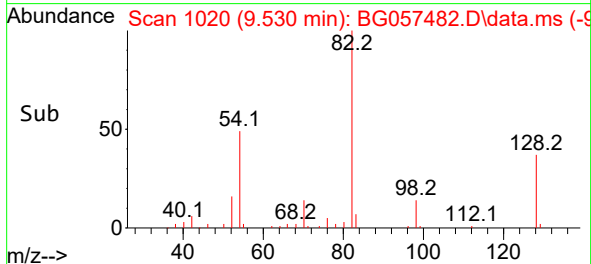
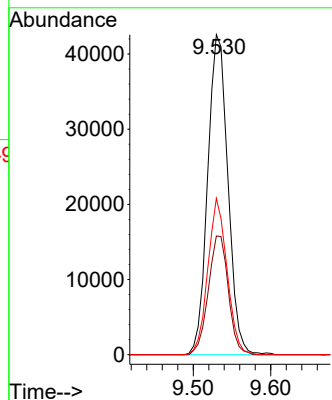
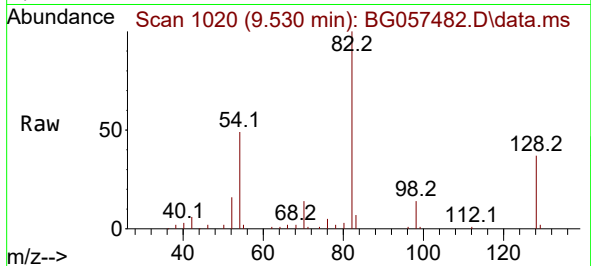




#23
 Nitrobenzene-d5
 Concen: 52.208 ng
 RT: 9.530 min Scan# 1020
 Delta R.T. -0.007 min
 Lab File: BG057482.D
 Acq: 20 May 2023 1:05

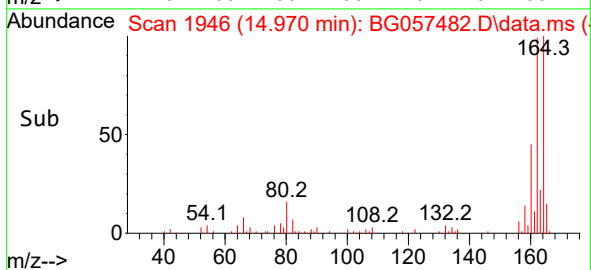
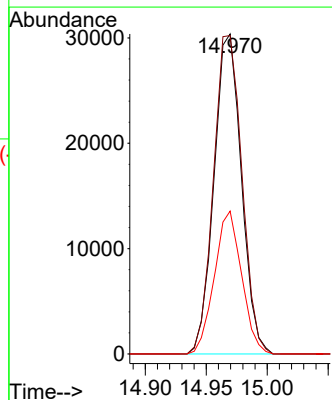
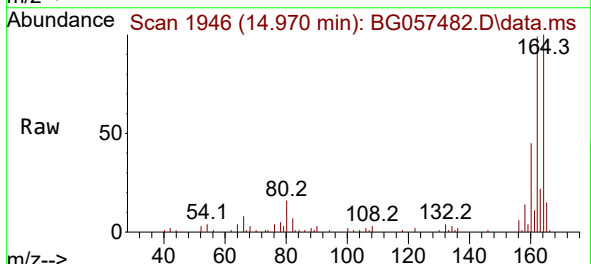
Instrument :
 BNA_G
 ClientSampleId :
 TP9

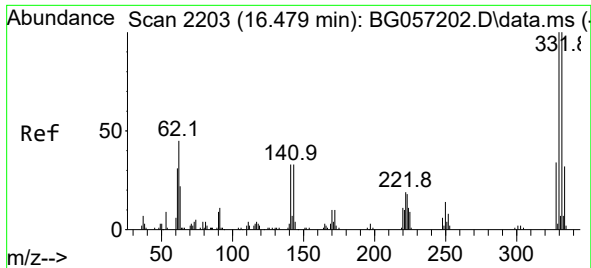
Tgt Ion: 82 Resp: 77137
 Ion Ratio Lower Upper
 82 100
 128 37.1 29.0 43.4
 54 48.9 41.4 62.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.970 min Scan# 1946
 Delta R.T. -0.007 min
 Lab File: BG057482.D
 Acq: 20 May 2023 1:05

Tgt Ion:164 Resp: 47382
 Ion Ratio Lower Upper
 164 100
 162 99.5 81.8 122.6
 160 44.7 34.6 52.0

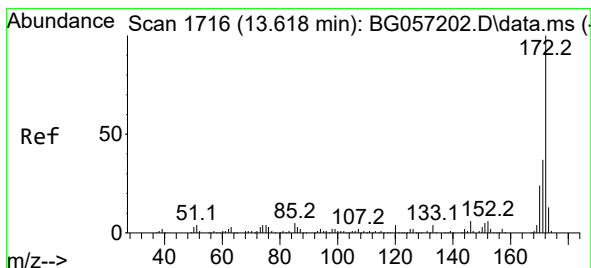
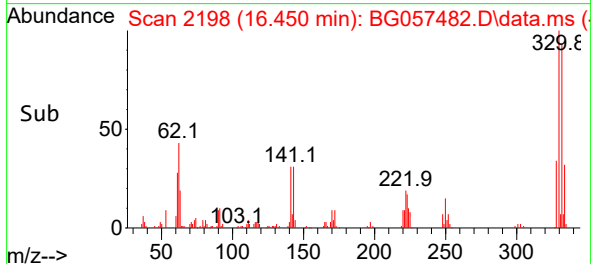
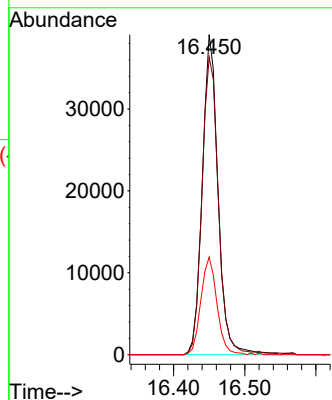
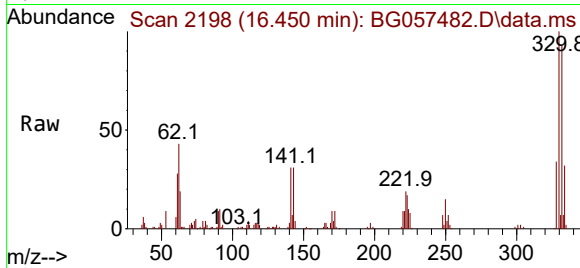




#42
2,4,6-Tribromophenol
Concen: 89.707 ng
RT: 16.450 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG057482.D
Acq: 20 May 2023 1:05

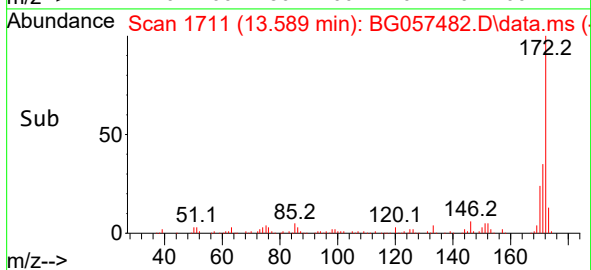
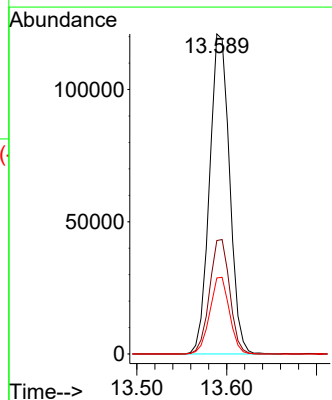
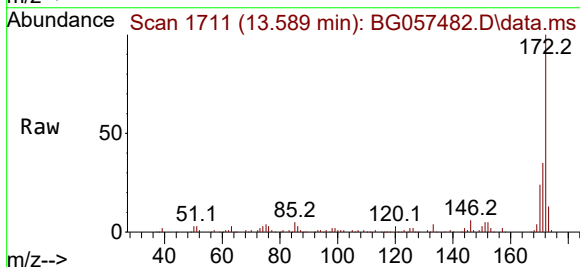
Instrument :
BNA_G
ClientSampleId :
TP9

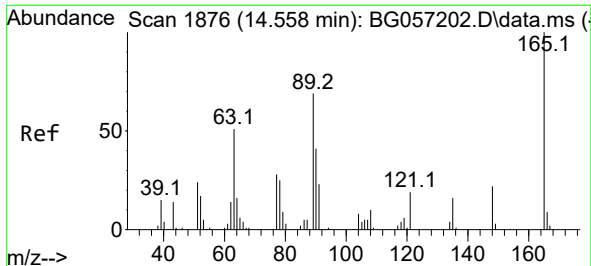
Tgt Ion:330 Resp: 60310
Ion Ratio Lower Upper
330 100
332 96.6 78.2 117.2
141 31.0 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 53.231 ng
RT: 13.589 min Scan# 1711
Delta R.T. -0.013 min
Lab File: BG057482.D
Acq: 20 May 2023 1:05

Tgt Ion:172 Resp: 187274
Ion Ratio Lower Upper
172 100
171 35.5 29.4 44.0
170 23.7 19.0 28.6

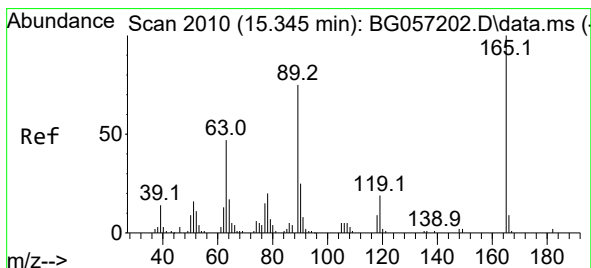
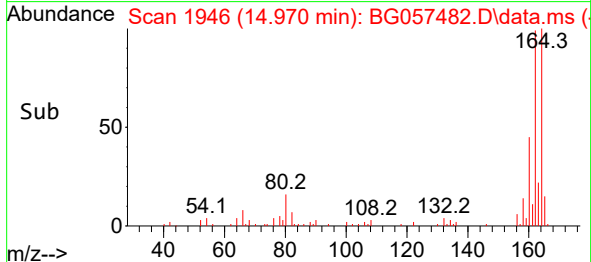
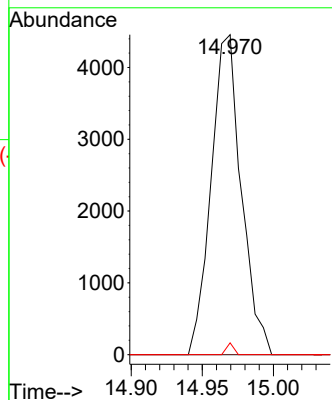
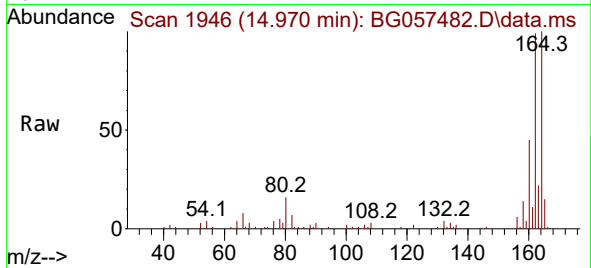




#51
2,6-Dinitrotoluene
Concen: 8.278 ng
RT: 14.970 min Scan# 1946
Delta R.T. 0.428 min
Lab File: BG057482.D
Acq: 20 May 2023 1:05

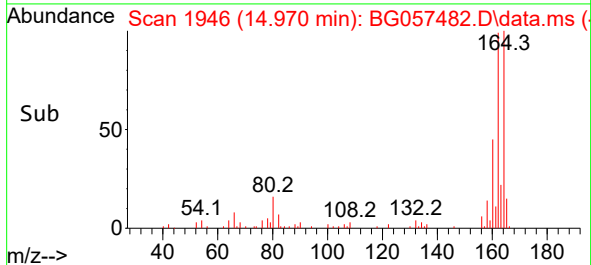
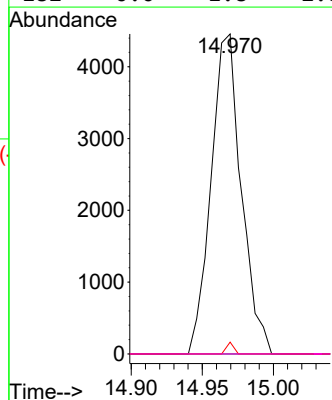
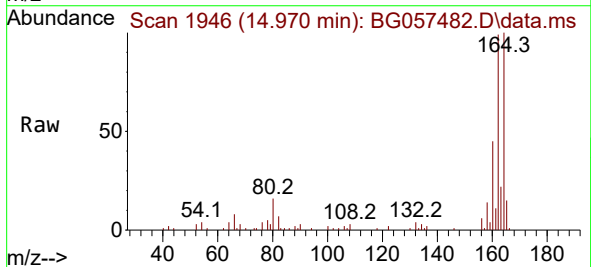
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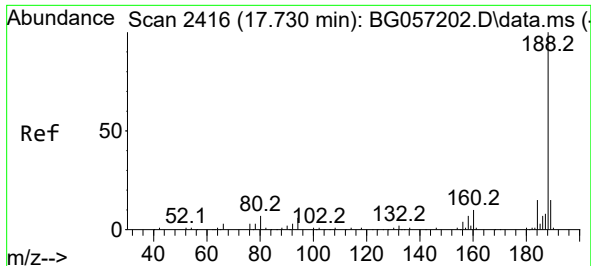
Tgt Ion:165 Resp: 6581
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 3.7 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.792 ng
RT: 14.970 min Scan# 1946
Delta R.T. -0.359 min
Lab File: BG057482.D
Acq: 20 May 2023 1:05

Tgt Ion:165 Resp: 6581
Ion Ratio Lower Upper
165 100
63 0.0 37.5 56.3#
89 3.7 60.2 90.4#
182 0.0 1.8 2.8#

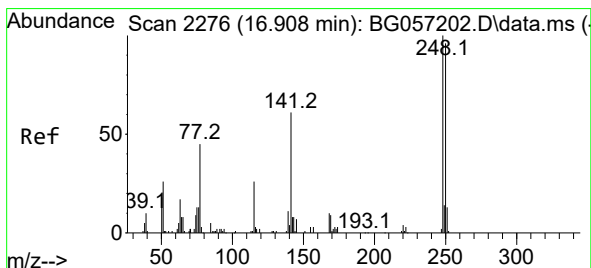
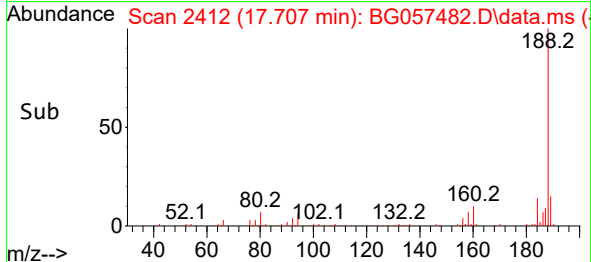
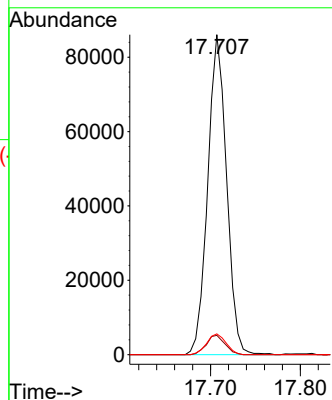
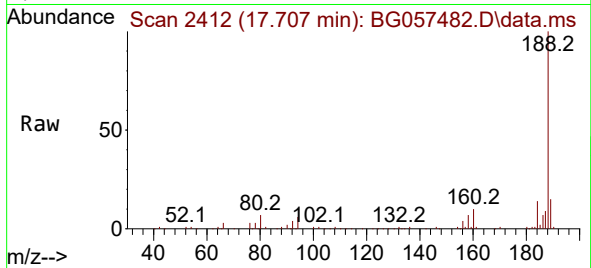




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.707 min Scan# 2416
Delta R.T. -0.007 min
Lab File: BG057482.D
Acq: 20 May 2023 1:05

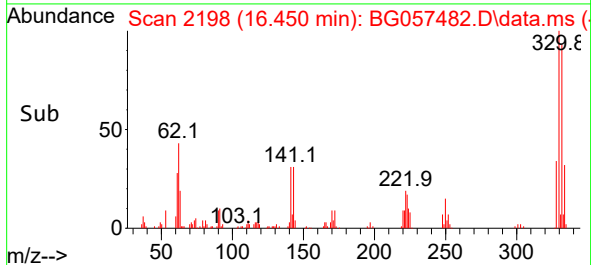
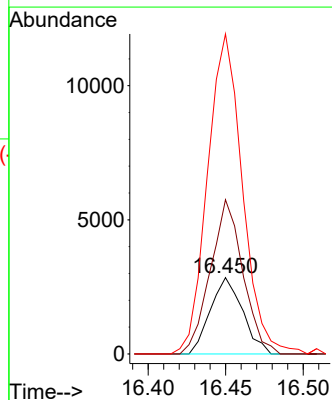
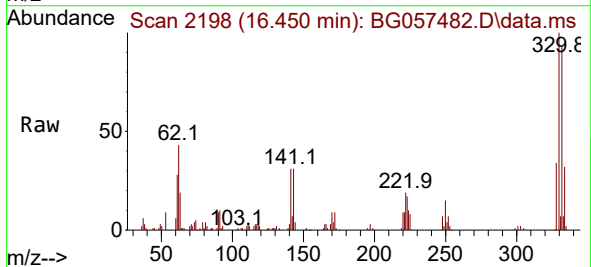
Instrument :
BNA_G
ClientSampleId :
TP9

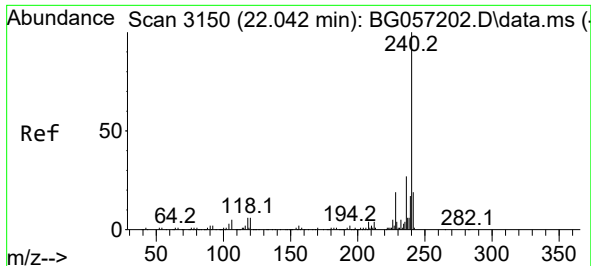
Tgt Ion:188 Resp: 125232
Ion Ratio Lower Upper
188 100
94 6.1 5.1 7.7
80 6.5 5.7 8.5



#67
4-Bromophenyl-phenylether
Concen: 2.690 ng
RT: 16.450 min Scan# 2198
Delta R.T. -0.436 min
Lab File: BG057482.D
Acq: 20 May 2023 1:05

Tgt Ion:248 Resp: 4112
Ion Ratio Lower Upper
248 100
250 202.3 77.0 115.6#
141 419.6 48.6 72.8#

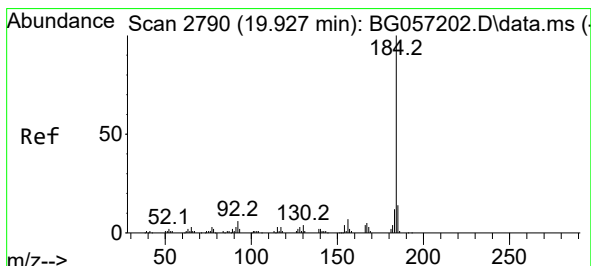
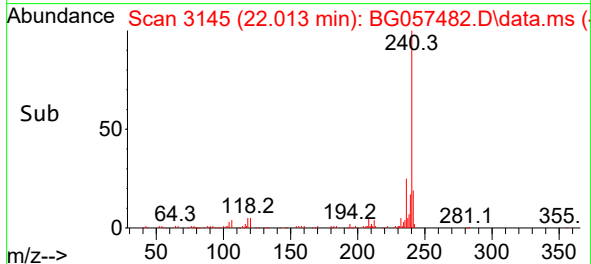
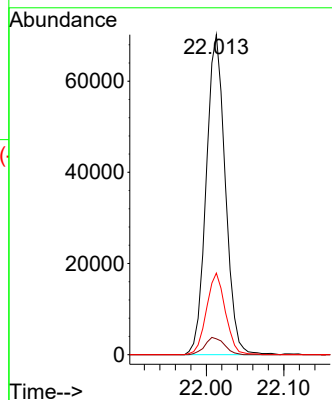
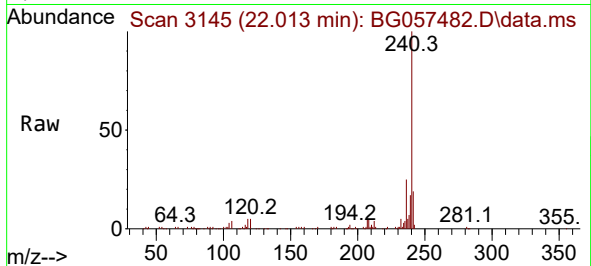




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.013 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG057482.D
Acq: 20 May 2023 1:05

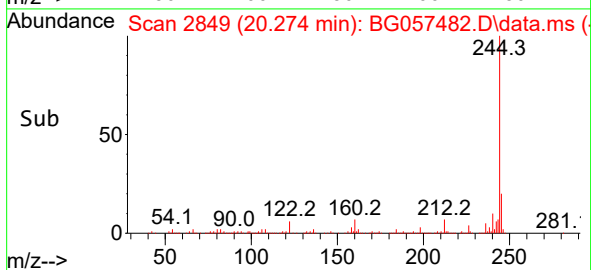
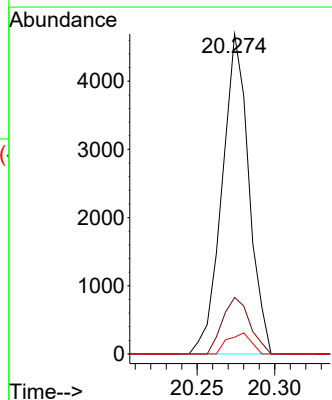
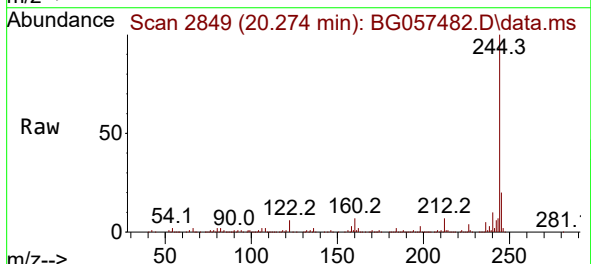
Instrument :
BNA_G
ClientSampleId :
TP9

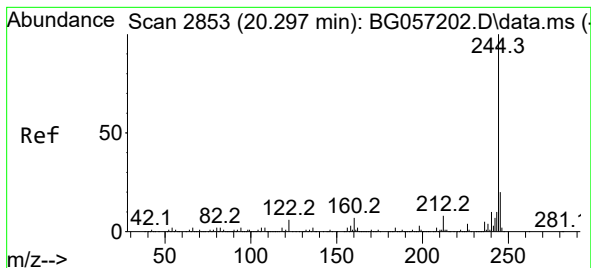
Tgt Ion:240 Resp: 119595
Ion Ratio Lower Upper
240 100
120 4.9 4.9 7.3
236 25.5 21.4 32.2



#77
Benzidine
Concen: 2.103 ng
RT: 20.274 min Scan# 2849
Delta R.T. 0.363 min
Lab File: BG057482.D
Acq: 20 May 2023 1:05

Tgt Ion:184 Resp: 5623
Ion Ratio Lower Upper
184 100
185 17.7 11.1 16.7#
183 5.3 9.9 14.9#





#79

Terphenyl-d14

Concen: 52.307 ng

RT: 20.274 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG057482.D

Acq: 20 May 2023 1:05

Instrument :

BNA_G

ClientSampleId :

TP9

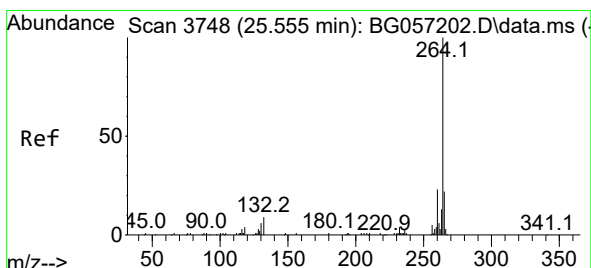
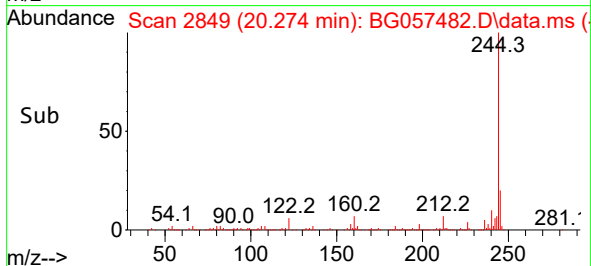
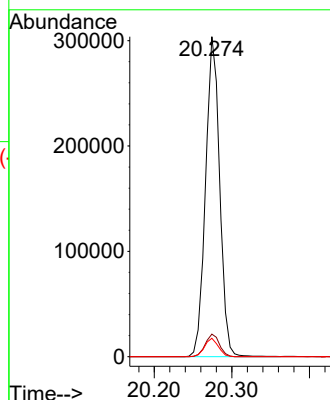
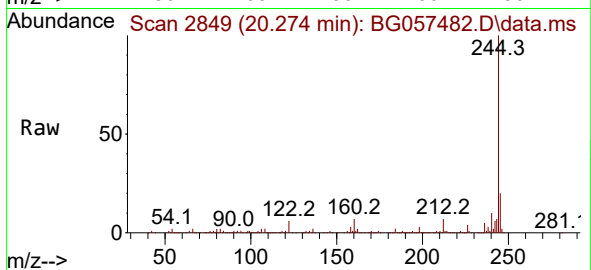
Tgt Ion:244 Resp: 383329

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

122 5.8 5.1 7.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.508 min Scan# 3740

Delta R.T. -0.007 min

Lab File: BG057482.D

Acq: 20 May 2023 1:05

Tgt Ion:264 Resp: 126733

Ion Ratio Lower Upper

264 100

260 23.0 18.8 28.2

265 21.7 17.9 26.9

