

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
 Data File : BG057563.D
 Acq On : 25 May 2023 18:31
 Operator : CG/JU
 Sample : 02908-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB10B

Quant Time: May 26 03:00:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 02:58:05 2023
 Response via : Initial Calibration

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

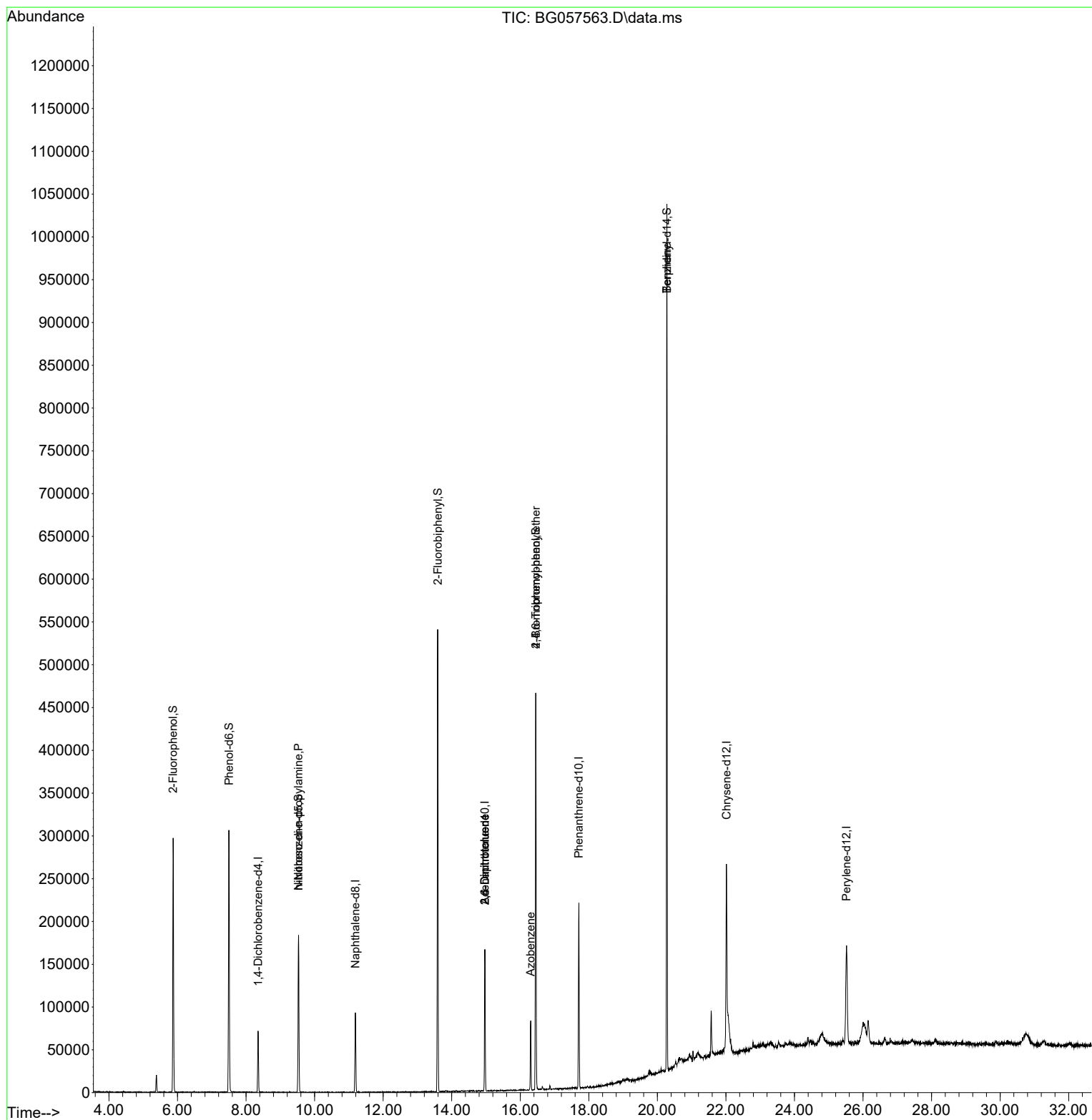
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.351	152	20569	20.000	ng	0.00
21) Naphthalene-d8	11.189	136	78711	20.000	ng	# 0.00
39) Acenaphthene-d10	14.966	164	57207	20.000	ng	0.00
64) Phenanthrene-d10	17.709	188	140442	20.000	ng	0.00
76) Chrysene-d12	22.015	240	126471	20.000	ng	0.00
86) Perylene-d12	25.516	264	136930	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.872	112	129134	107.394	ng	0.00
7) Phenol-d6	7.500	99	189487	103.775	ng	0.00
23) Nitrobenzene-d5	9.532	82	118877	63.388	ng	0.00
42) 2,4,6-Tribromophenol	16.452	330	96052	118.333	ng	0.00
45) 2-Fluorobiphenyl	13.591	172	280703	66.085	ng	0.00
79) Terphenyl-d14	20.276	244	507983	65.548	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.500	77	244	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.532	70	16498	11.849	ng	# 81
51) 2,6-Dinitrotoluene	14.966	165	7381	7.690	ng	# 17
57) 2,4-Dinitrotoluene	14.966	165	7381	5.381	ng	# 20
63) Azobenzene	16.305	77	23034	5.001	ng	# 1
67) 4-Bromophenyl-phenylether	16.452	248	6389	3.727	ng	# 1
77) Benzidine	20.276	184	7648	2.705	ng	# 89

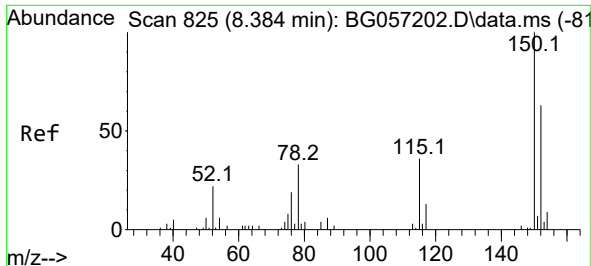
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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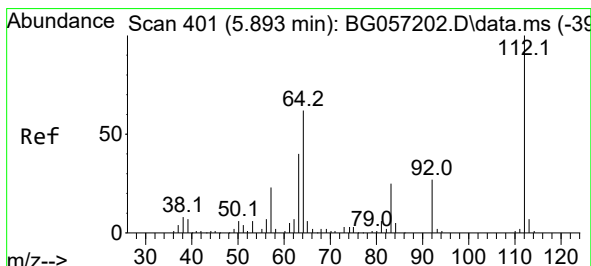
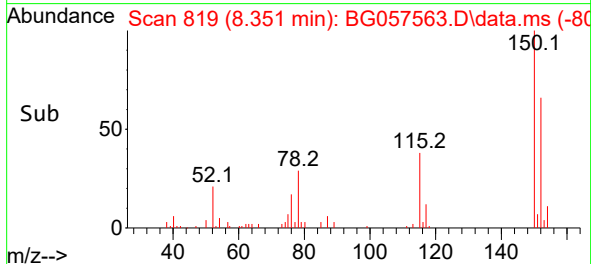
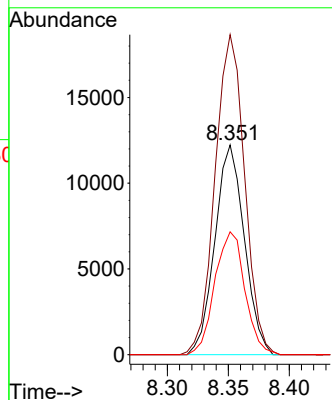
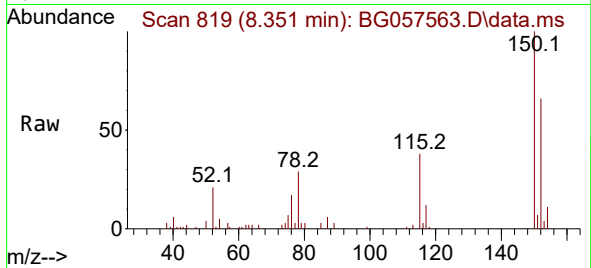




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.351 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG057563.D
Acq: 25 May 2023 18:31

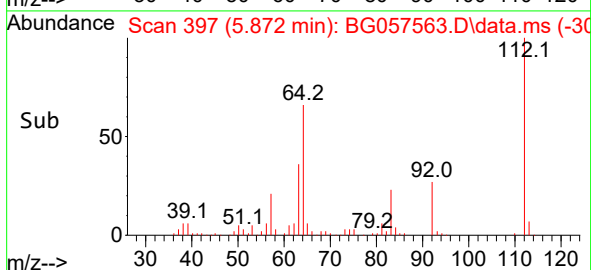
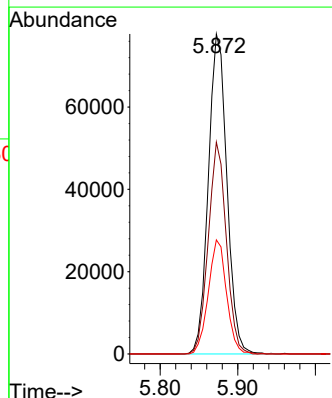
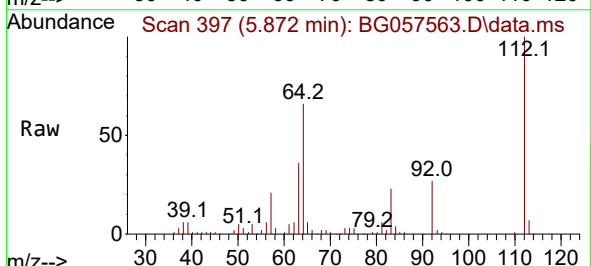
Instrument :
BNA_G
ClientSampleId :
SB10B

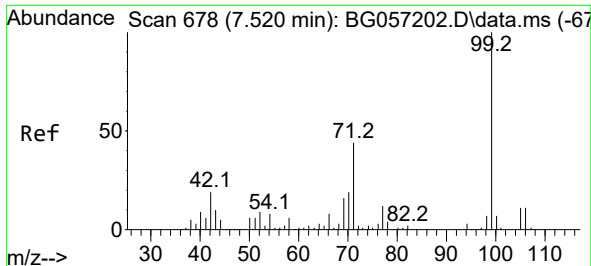
Tgt Ion:152 Resp: 20569
Ion Ratio Lower Upper
152 100
150 152.6 126.2 189.4
115 58.6 45.0 67.4



#5
2-Fluorophenol
Concen: 107.394 ng
RT: 5.872 min Scan# 397
Delta R.T. 0.000 min
Lab File: BG057563.D
Acq: 25 May 2023 18:31

Tgt Ion:112 Resp: 129134
Ion Ratio Lower Upper
112 100
64 66.2 49.4 74.2
63 35.7 31.6 47.4

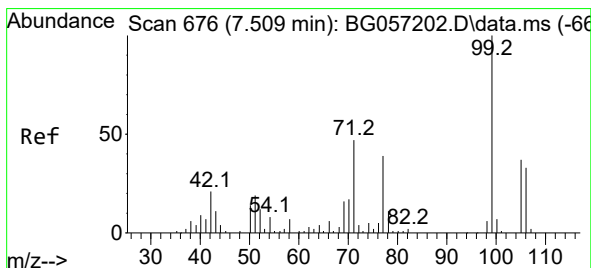
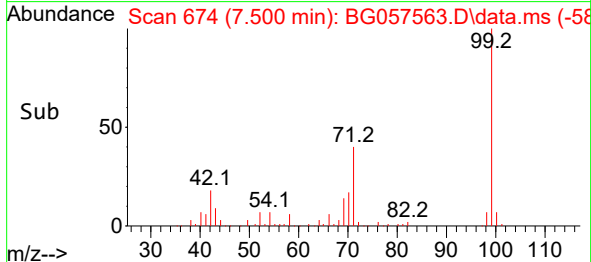
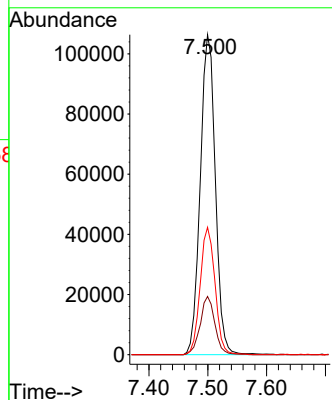
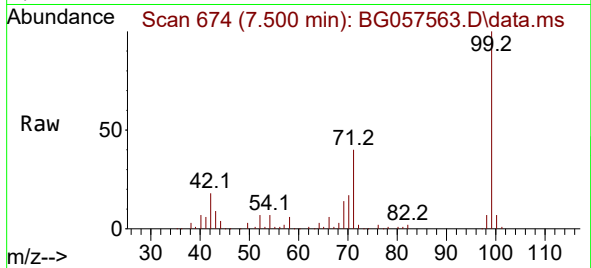




#7
Phenol-d6
Concen: 103.775 ng
RT: 7.500 min Scan# 674
Delta R.T. 0.000 min
Lab File: BG057563.D
Acq: 25 May 2023 18:31

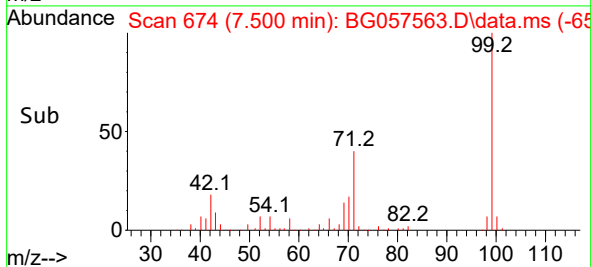
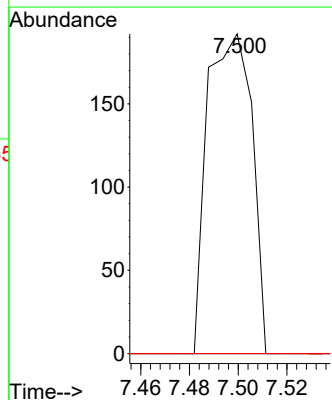
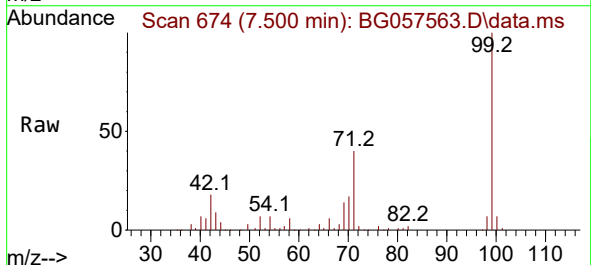
Instrument :
BNA_G
ClientSampleId :
SB10B

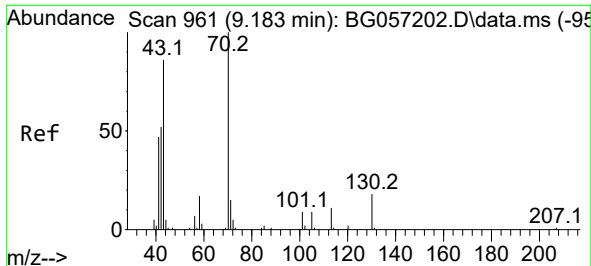
Tgt Ion: 99 Resp: 189487
Ion Ratio Lower Upper
99 100
42 18.2 15.1 22.7
71 39.8 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.500 min Scan# 674
Delta R.T. 0.018 min
Lab File: BG057563.D
Acq: 25 May 2023 18:31

Tgt Ion: 77 Resp: 244
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

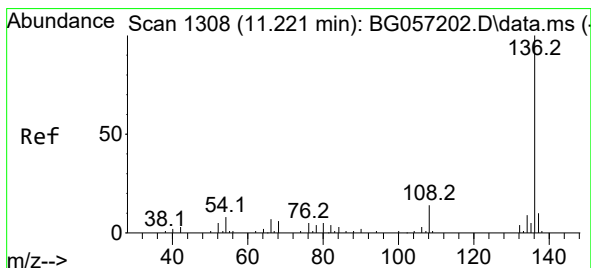
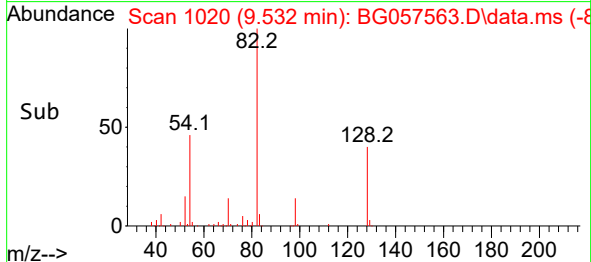
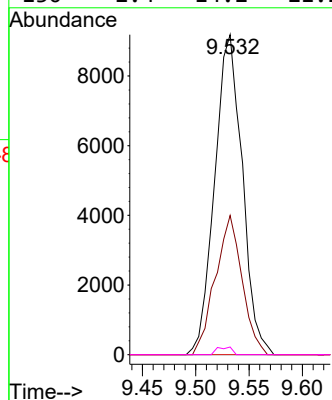
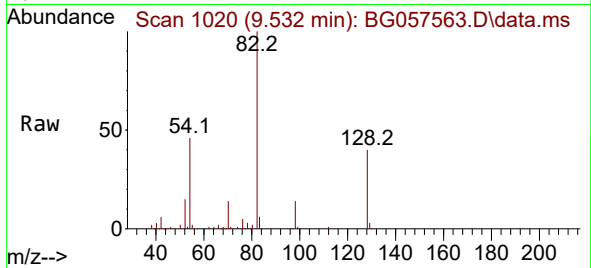




#19
n-Nitroso-di-n-propylamine
Concen: 11.849 ng
RT: 9.532 min Scan# 1020
Delta R.T. 0.376 min
Lab File: BG057563.D
Acq: 25 May 2023 18:31

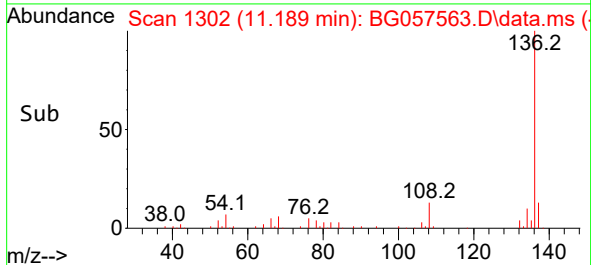
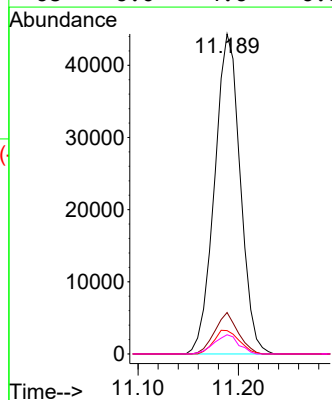
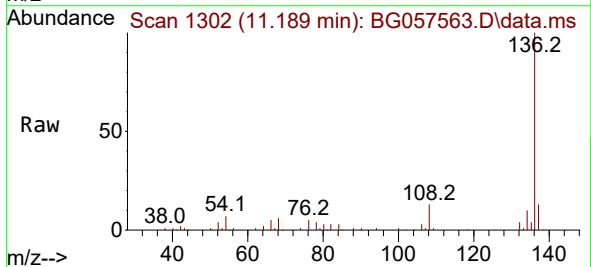
Instrument :
BNA_G
ClientSampleId :
SB10B

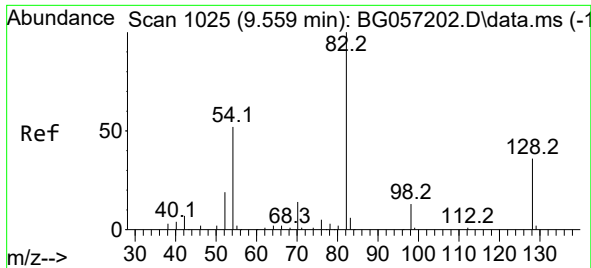
Tgt Ion:	70	Resp:	16498
Ion	Ratio	Lower	Upper
70	100		
42	43.5	41.8	62.8
101	0.0	6.8	10.2#
130	2.4	14.2	21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.189 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BG057563.D
Acq: 25 May 2023 18:31

Tgt Ion:	136	Resp:	78711
Ion	Ratio	Lower	Upper
136	100		
137	13.0	8.3	12.5#
54	7.3	6.7	10.1
68	6.0	4.6	6.8

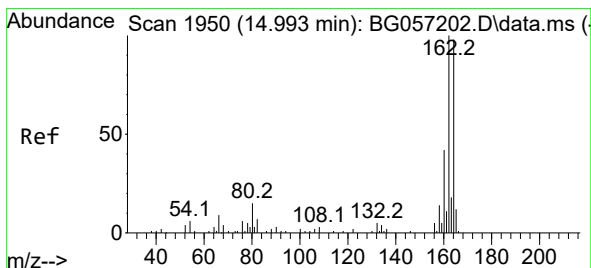
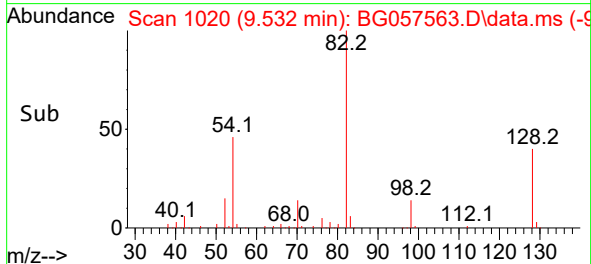
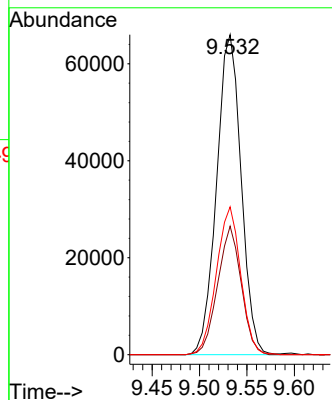
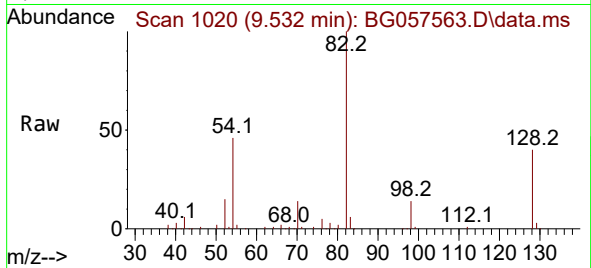




#23
Nitrobenzene-d5
Concen: 63.388 ng
RT: 9.532 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BG057563.D
Acq: 25 May 2023 18:31

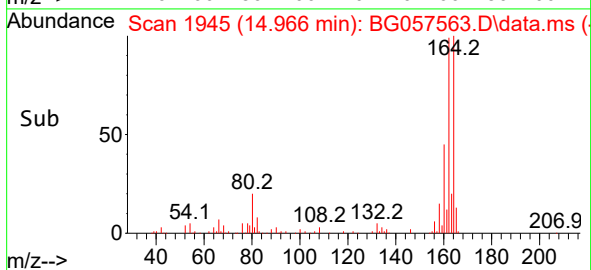
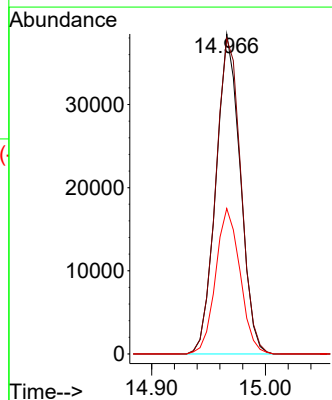
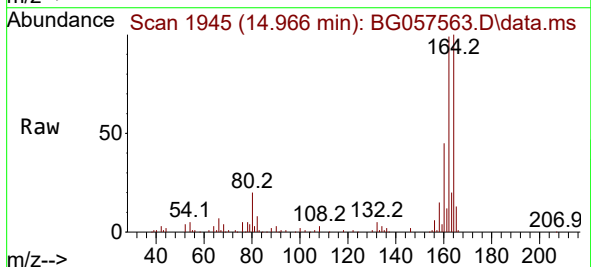
Instrument :
BNA_G
ClientSampleId :
SB10B

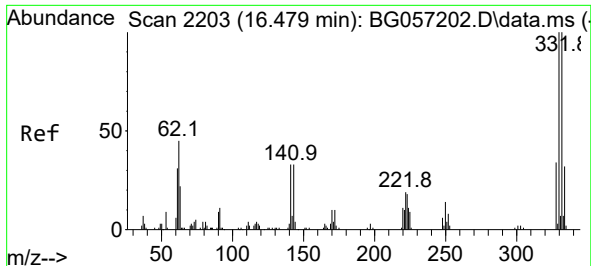
Tgt Ion: 82 Resp: 118877
Ion Ratio Lower Upper
82 100
128 40.2 29.0 43.4
54 46.2 41.4 62.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.966 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BG057563.D
Acq: 25 May 2023 18:31

Tgt Ion:164 Resp: 57207
Ion Ratio Lower Upper
164 100
162 98.6 81.8 122.6
160 45.4 34.6 52.0

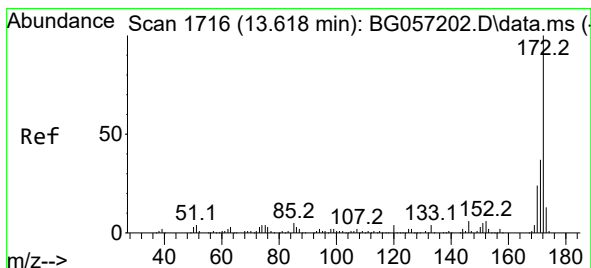
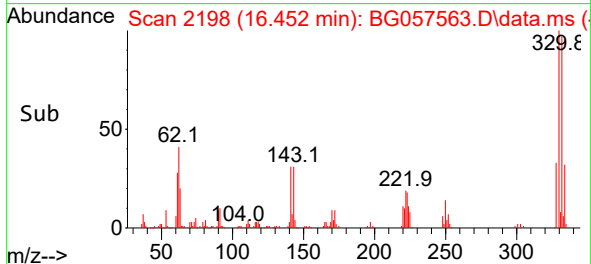
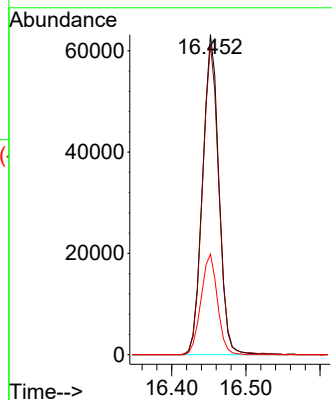
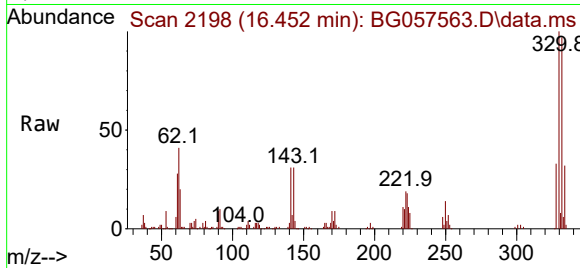




#42
2,4,6-Tribromophenol
Concen: 118.333 ng
RT: 16.452 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BG057563.D
Acq: 25 May 2023 18:31

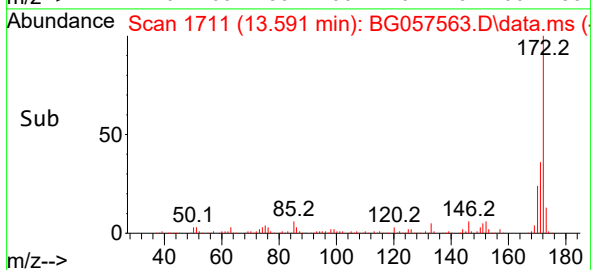
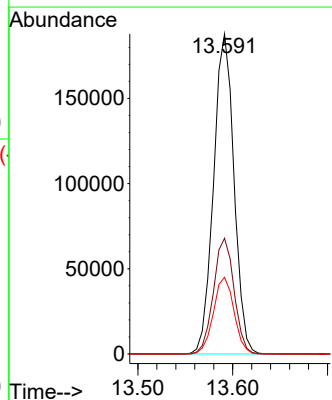
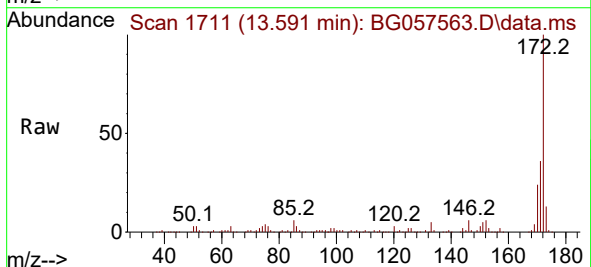
Instrument :
BNA_G
ClientSampleId :
SB10B

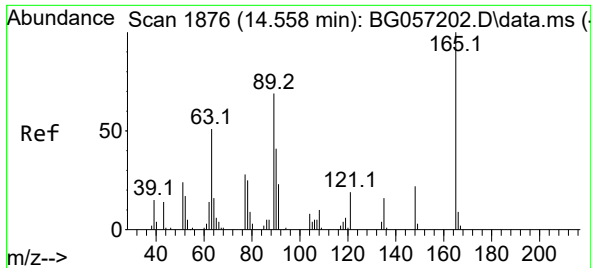
Tgt Ion:330 Resp: 96052
Ion Ratio Lower Upper
330 100
332 97.6 78.2 117.2
141 31.6 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 66.085 ng
RT: 13.591 min Scan# 1711
Delta R.T. -0.006 min
Lab File: BG057563.D
Acq: 25 May 2023 18:31

Tgt Ion:172 Resp: 280703
Ion Ratio Lower Upper
172 100
171 36.2 29.4 44.0
170 23.9 19.0 28.6

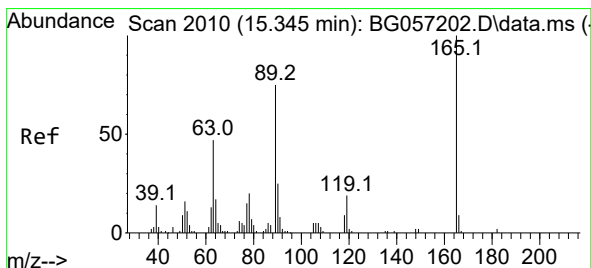
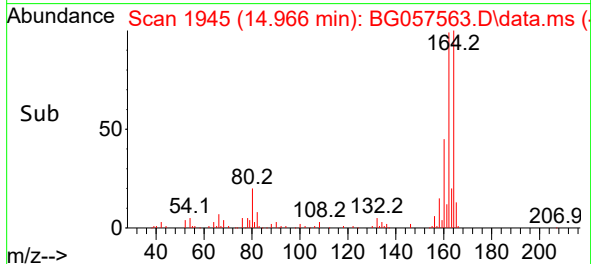
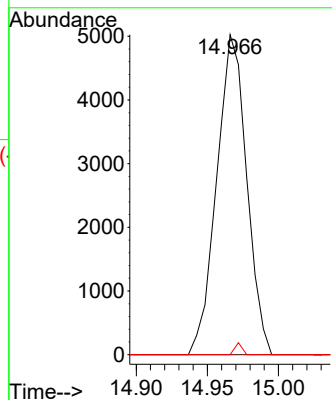
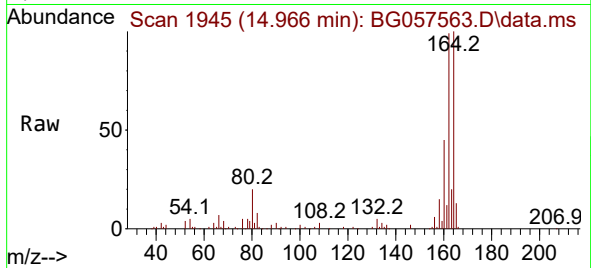




#51
2,6-Dinitrotoluene
Concen: 7.690 ng
RT: 14.966 min Scan# 1945
Delta R.T. 0.423 min
Lab File: BG057563.D
Acq: 25 May 2023 18:31

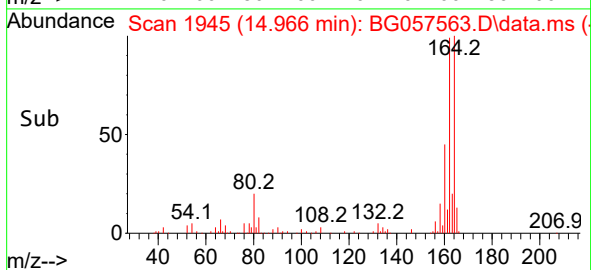
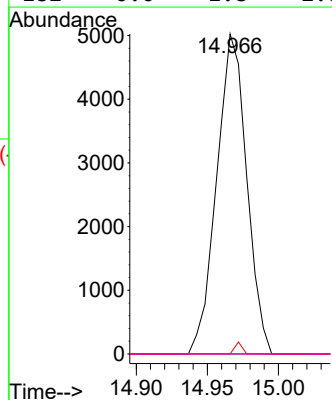
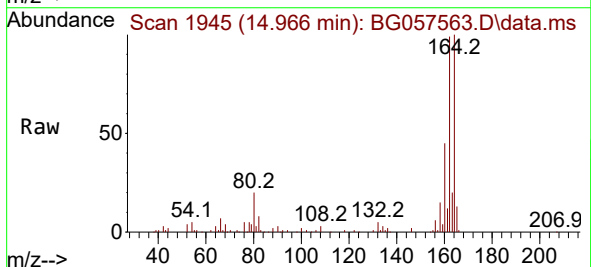
Instrument :
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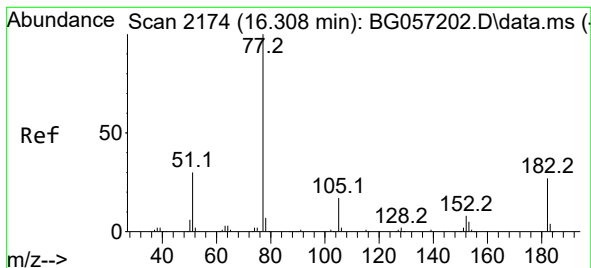
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.9	76.3#
89	0.0	55.2	82.8#



#57
2,4-Dinitrotoluene
Concen: 5.381 ng
RT: 14.966 min Scan# 1945
Delta R.T. -0.364 min
Lab File: BG057563.D
Acq: 25 May 2023 18:31

Tgt 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: 5.001 ng

RT: 16.305 min Scan# 2173

Delta R.T. 0.024 min

Lab File: BG057563.D

Acq: 25 May 2023 18:31

Instrument :

BNA_G

ClientSampleId :

SB10B

Tgt Ion: 77 Resp: 23034

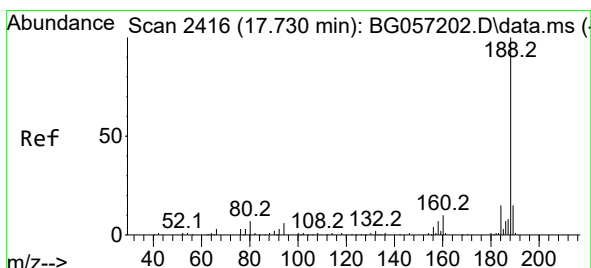
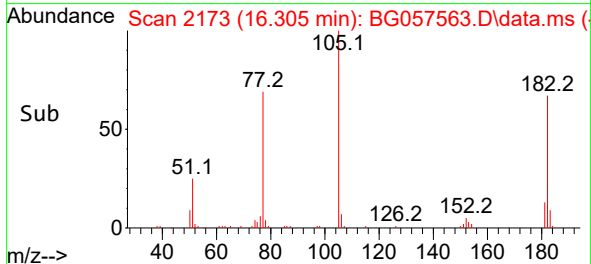
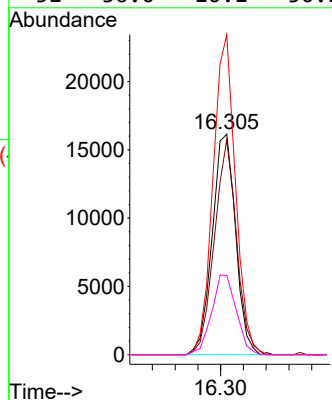
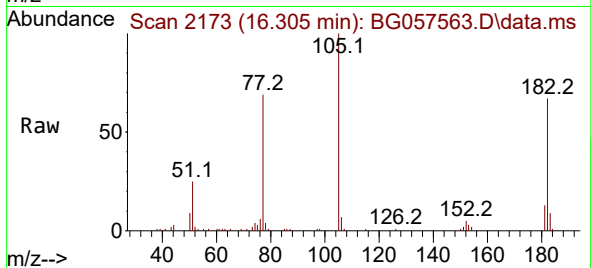
Ion Ratio Lower Upper

77 100

182 97.5 7.4 47.4#

105 145.2 0.0 37.2#

51 36.0 10.1 50.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.709 min Scan# 2412

Delta R.T. 0.000 min

Lab File: BG057563.D

Acq: 25 May 2023 18:31

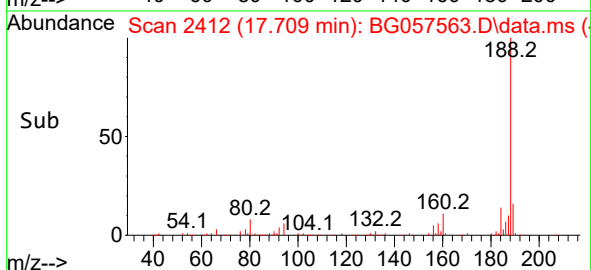
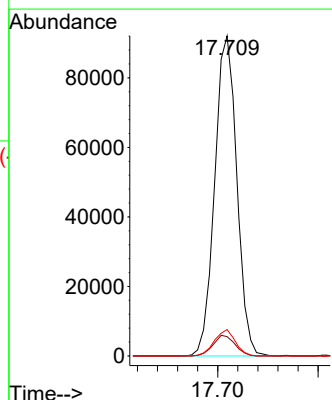
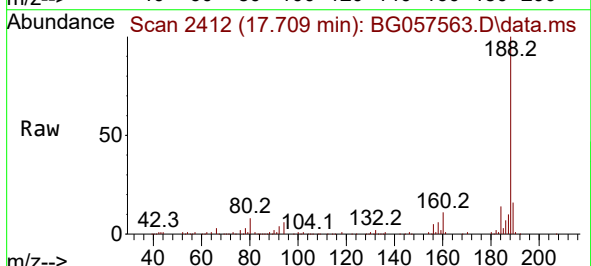
Tgt Ion:188 Resp: 140442

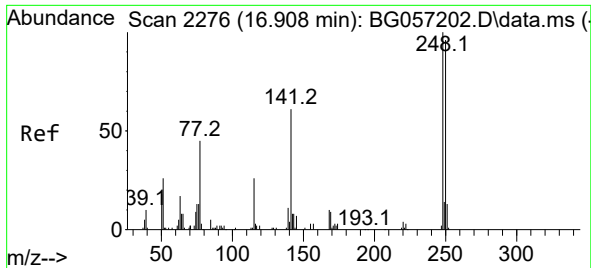
Ion Ratio Lower Upper

188 100

94 6.1 5.1 7.7

80 8.2 5.7 8.5

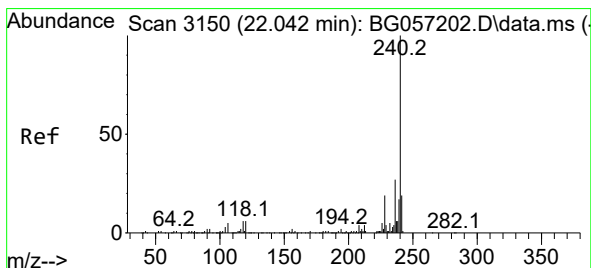
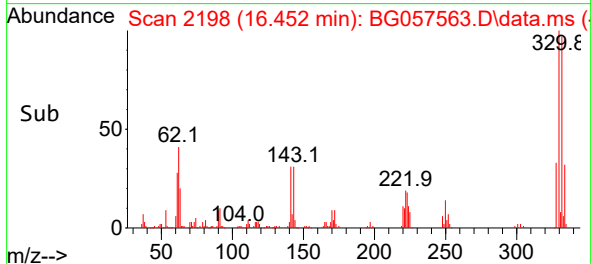
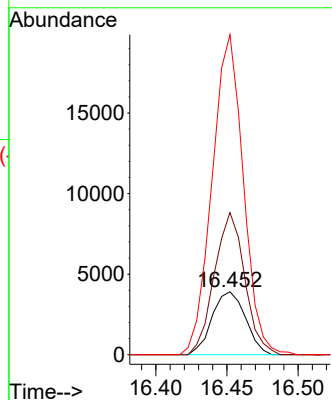
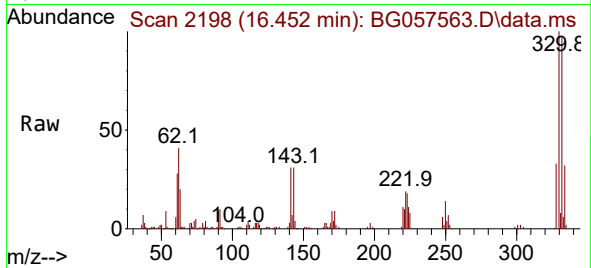




#67
4-Bromophenyl-phenylether
Concen: 3.727 ng
RT: 16.452 min Scan# 2119
Delta R.T. -0.435 min
Lab File: BG057563.D
Acq: 25 May 2023 18:31

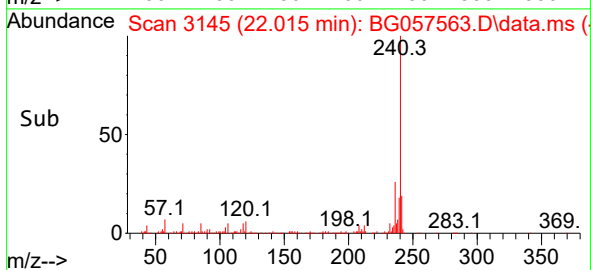
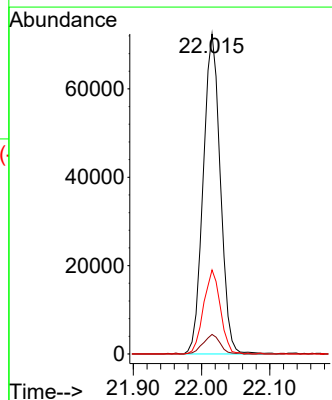
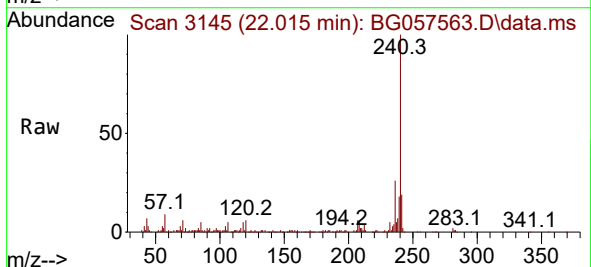
Instrument :
BNA_G
ClientSampleId :
SB10B

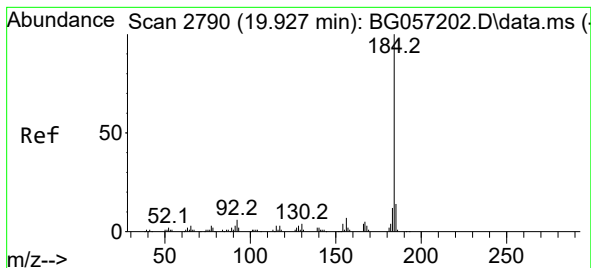
Tgt Ion:248 Resp: 6389
Ion Ratio Lower Upper
248 100
250 226.1 77.0 115.6#
141 509.5 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.015 min Scan# 3145
Delta R.T. -0.006 min
Lab File: BG057563.D
Acq: 25 May 2023 18:31

Tgt Ion:240 Resp: 126471
Ion Ratio Lower Upper
240 100
120 6.1 4.9 7.3
236 26.3 21.4 32.2





#77

Benzidine

Concen: 2.705 ng

RT: 20.276 min Scan# 2849

Delta R.T. 0.370 min

Lab File: BG057563.D

Acq: 25 May 2023 18:31

Instrument :

BNA_G

ClientSampleId :

SB10B

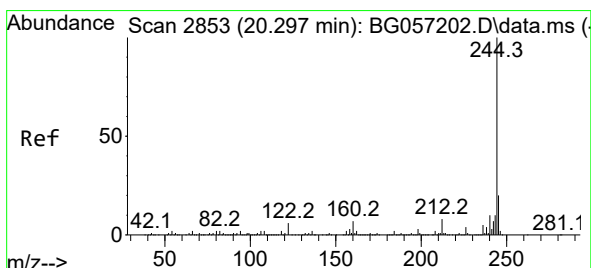
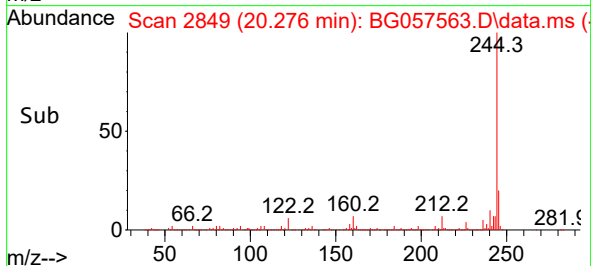
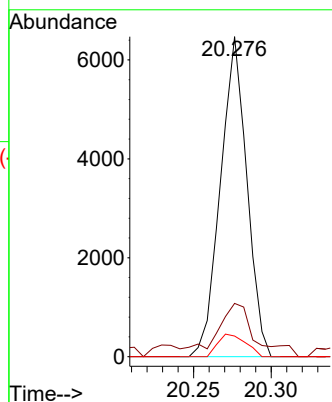
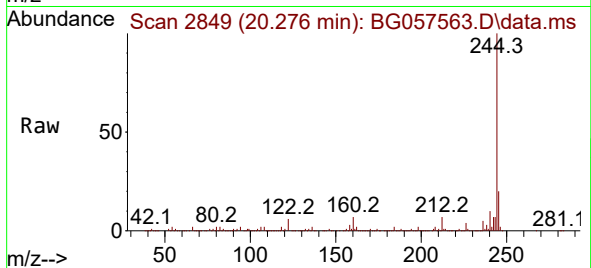
Tgt Ion:184 Resp: 7648

Ion Ratio Lower Upper

184 100

185 16.6 11.1 16.7

183 6.5 9.9 14.9#



#79

Terphenyl-d14

Concen: 65.548 ng

RT: 20.276 min Scan# 2849

Delta R.T. 0.000 min

Lab File: BG057563.D

Acq: 25 May 2023 18:31

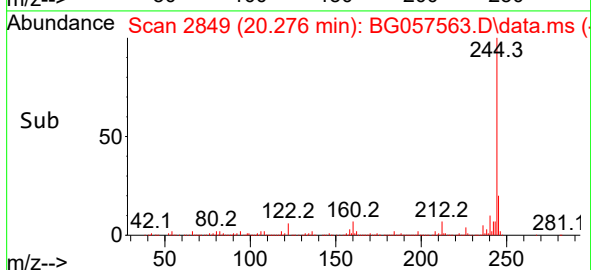
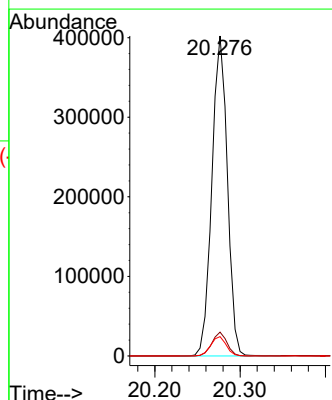
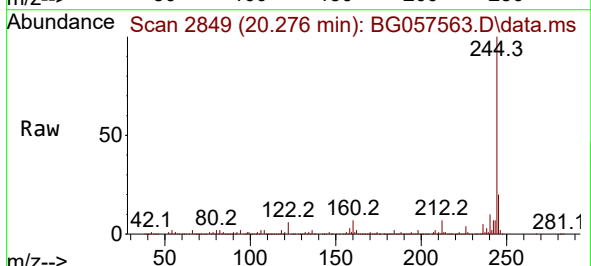
Tgt Ion:244 Resp: 507983

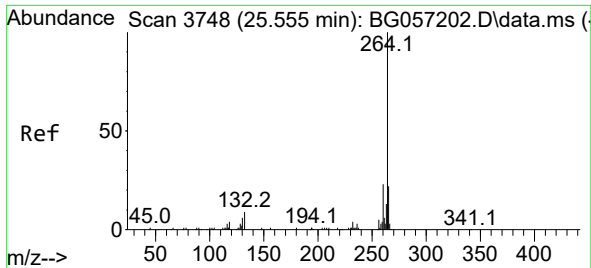
Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

122 6.1 5.1 7.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.516 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG057563.D
Acq: 25 May 2023 18:31

Instrument :
BNA_G
ClientSampleId :
SB10B

Tgt Ion:264 Resp: 136930

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.8	28.2
265	22.1	17.9	26.9

