

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
 Data File : BG057496.D
 Acq On : 22 May 2023 16:33
 Operator : CG/JU
 Sample : PB152903BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB152903BL

Quant Time: May 22 17:14:22 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

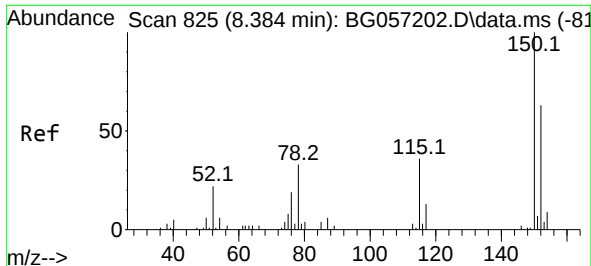
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.360	152	16934	20.000	ng	0.00
21) Naphthalene-d8	11.203	136	69796	20.000	ng	0.00
39) Acenaphthene-d10	14.974	164	57433	20.000	ng	0.00
64) Phenanthrene-d10	17.712	188	160795	20.000	ng	0.00
76) Chrysene-d12	22.018	240	134623	20.000	ng	0.00
86) Perylene-d12	25.519	264	143915	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.881	112	141336	142.772	ng	0.00
7) Phenol-d6	7.502	99	211251	140.529	ng	0.00
23) Nitrobenzene-d5	9.541	82	136783	82.252	ng	0.00
42) 2,4,6-Tribromophenol	16.461	330	129771	159.245	ng	0.00
45) 2-Fluorobiphenyl	13.600	172	373033	87.476	ng	0.00
79) Terphenyl-d14	20.285	244	830090	100.625	ng	0.00
Target Compounds						
9) Benzaldehyde	7.514	77	253	Below Cal	Qvalue	# 4
19) n-Nitroso-di-n-propyla...	9.541	70	18787	16.390	ng	# 79
51) 2,6-Dinitrotoluene	14.974	165	7713	8.004	ng	# 17
57) 2,4-Dinitrotoluene	14.974	165	7713	5.601	ng	# 20
67) 4-Bromophenyl-phenylether	16.461	248	8753	4.459	ng	# 1
77) Benzidine	20.285	184	12056	4.006	ng	# 91

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

Quant Time: May 22 17:14:22 2023
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QLast Update : Sat May 20 04:19:55 2023
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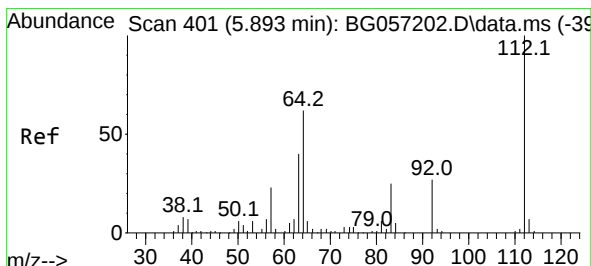
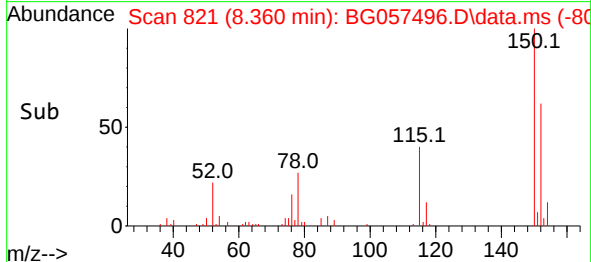
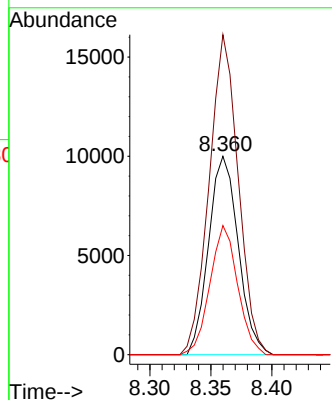
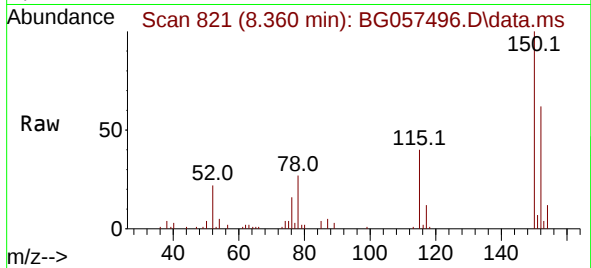




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.360 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057496.D
Acq: 22 May 2023 16:33

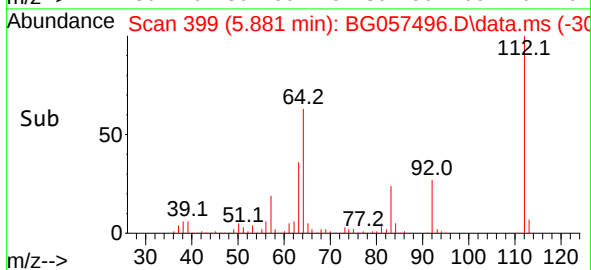
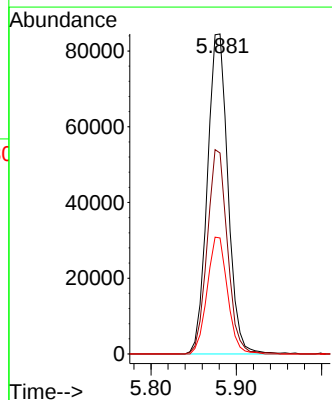
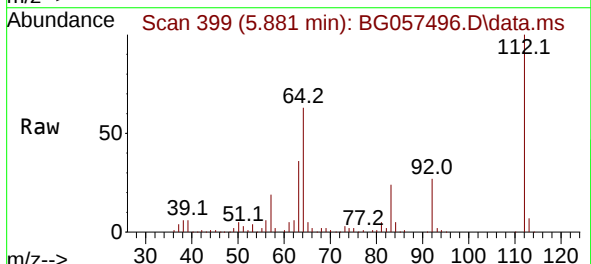
Instrument :
BNA_G
ClientSampleId :
PB152903BL

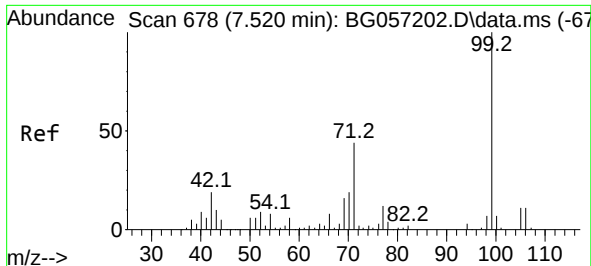
Tgt Ion:152 Resp: 16934
Ion Ratio Lower Upper
152 100
150 161.2 126.2 189.4
115 65.1 45.0 67.4



#5
2-Fluorophenol
Concen: 142.772 ng
RT: 5.881 min Scan# 399
Delta R.T. 0.010 min
Lab File: BG057496.D
Acq: 22 May 2023 16:33

Tgt Ion:112 Resp: 141336
Ion Ratio Lower Upper
112 100
64 62.8 49.4 74.2
63 36.3 31.6 47.4

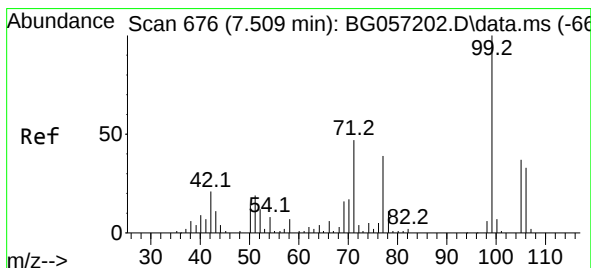
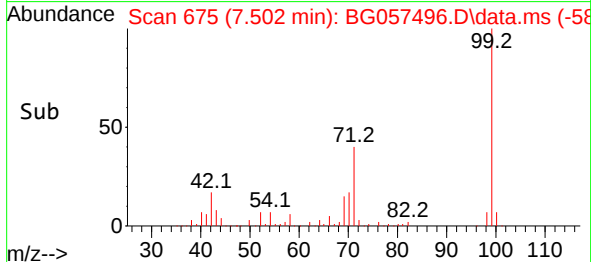
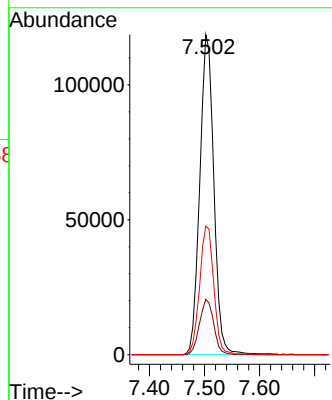
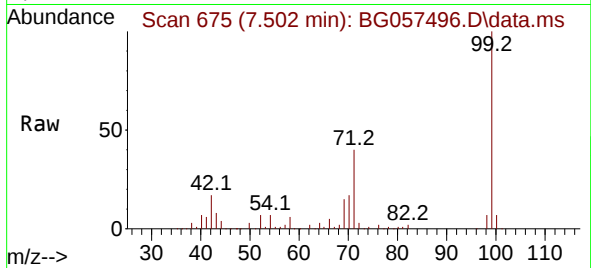




#7
Phenol-d6
Concen: 140.529 ng
RT: 7.502 min Scan# 611
Delta R.T. 0.004 min
Lab File: BG057496.D
Acq: 22 May 2023 16:33

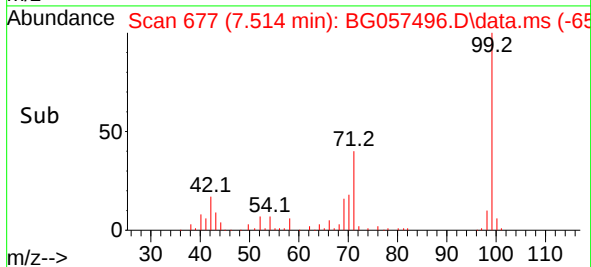
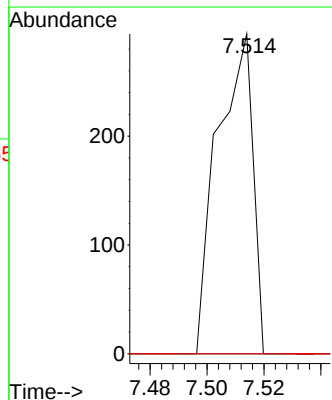
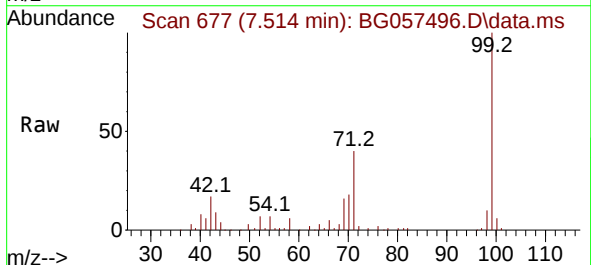
Instrument :
BNA_G
ClientSampleId :
PB152903BL

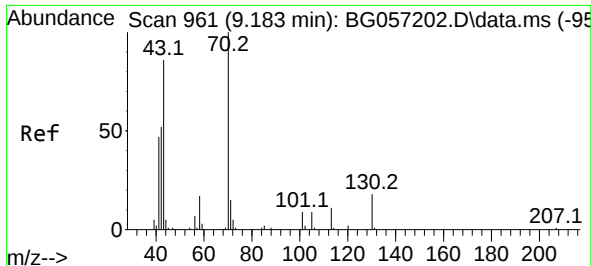
Tgt Ion: 99 Resp: 211251
Ion Ratio Lower Upper
99 100
42 17.3 15.1 22.7
71 40.2 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.514 min Scan# 677
Delta R.T. 0.028 min
Lab File: BG057496.D
Acq: 22 May 2023 16:33

Tgt Ion: 77 Resp: 253
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

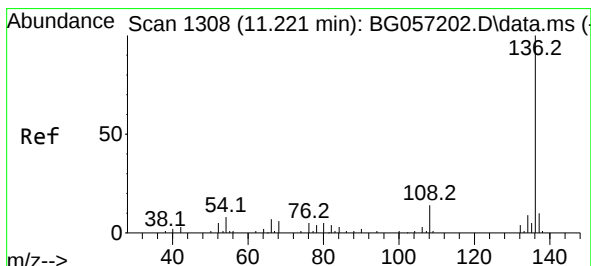
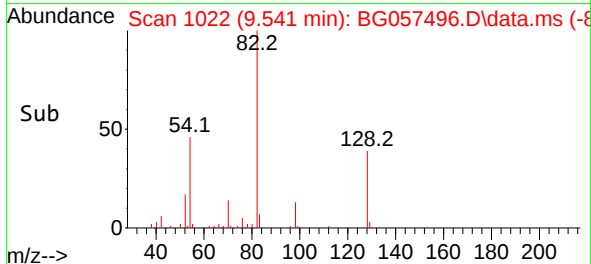
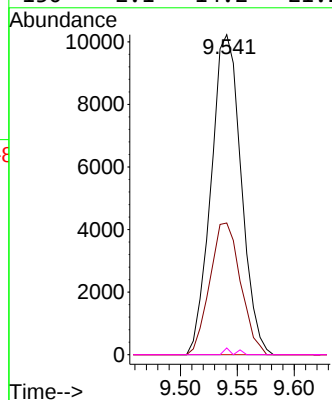
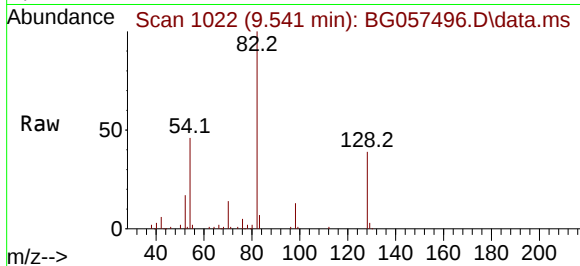




#19
n-Nitroso-di-n-propylamine
Concen: 16.390 ng
RT: 9.541 min Scan# 1022
Delta R.T. 0.380 min
Lab File: BG057496.D
Acq: 22 May 2023 16:33

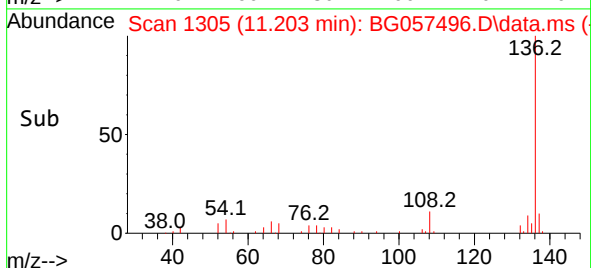
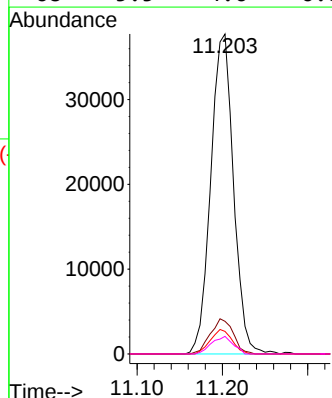
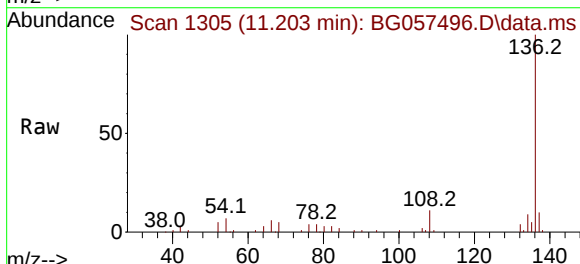
Instrument :
BNA_G
ClientSampleId :
PB152903BL

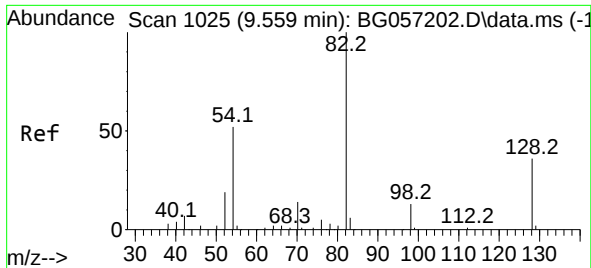
Tgt Ion: 70 Resp: 18787
Ion Ratio Lower Upper
70 100
42 41.2 41.8 62.8#
101 0.0 6.8 10.2#
130 2.1 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.203 min Scan# 1305
Delta R.T. 0.004 min
Lab File: BG057496.D
Acq: 22 May 2023 16:33

Tgt Ion: 136 Resp: 69796
Ion Ratio Lower Upper
136 100
137 10.2 8.3 12.5
54 7.1 6.7 10.1
68 5.5 4.6 6.8





#23

Nitrobenzene-d5

Concen: 82.252 ng

RT: 9.541 min Scan# 10

Delta R.T. 0.004 min

Lab File: BG057496.D

Acq: 22 May 2023 16:33

Instrument :

BNA_G

ClientSampleId :

PB152903BL

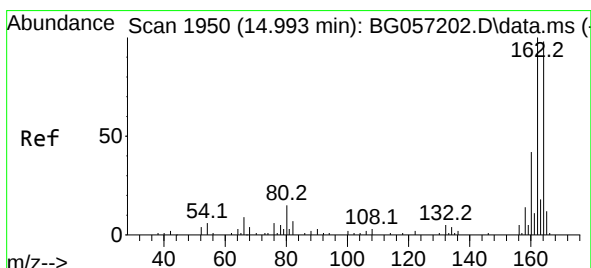
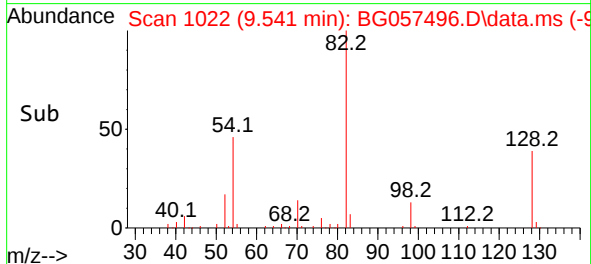
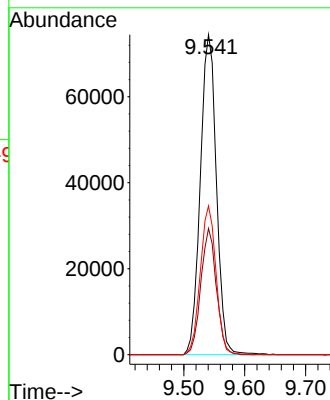
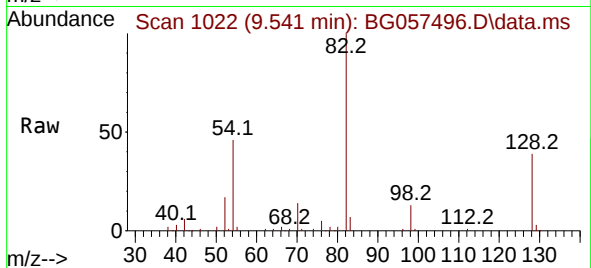
Tgt Ion: 82 Resp: 136783

Ion Ratio Lower Upper

82 100

128 39.5 29.0 43.4

54 46.5 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.974 min Scan# 1947

Delta R.T. -0.002 min

Lab File: BG057496.D

Acq: 22 May 2023 16:33

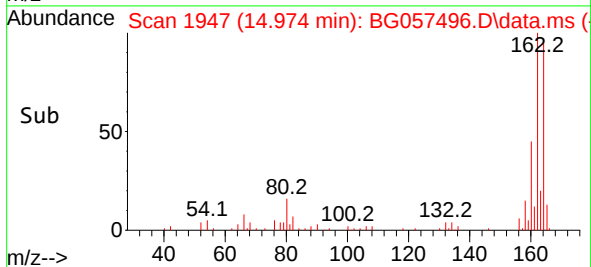
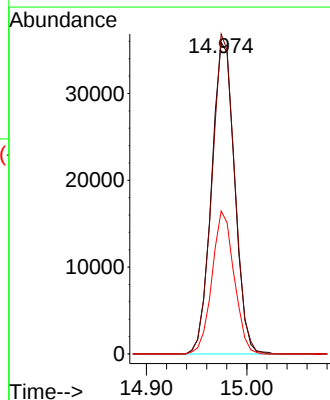
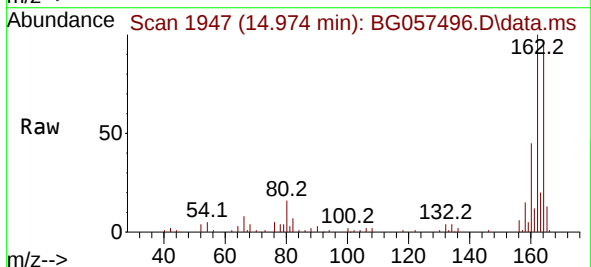
Tgt Ion:164 Resp: 57433

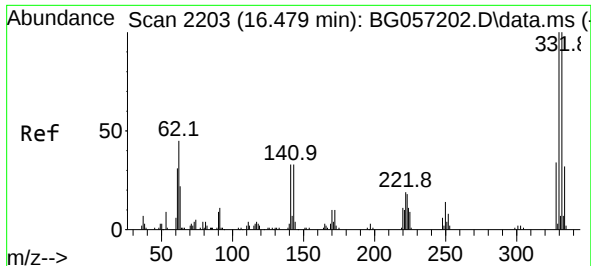
Ion Ratio Lower Upper

164 100

162 102.7 81.8 122.6

160 45.8 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 159.245 ng

RT: 16.461 min Scan# 21

Delta R.T. 0.004 min

Lab File: BG057496.D

Acq: 22 May 2023 16:33

Instrument :

BNA_G

ClientSampleId :

PB152903BL

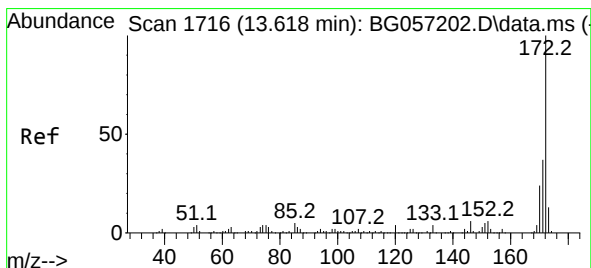
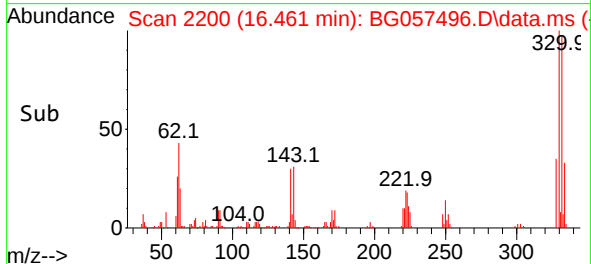
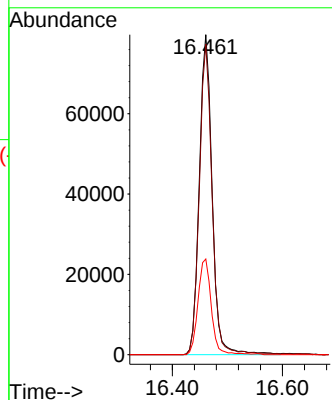
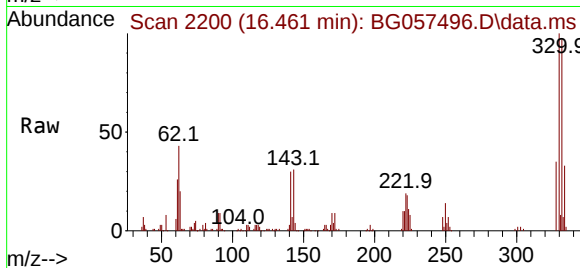
Tgt Ion:330 Resp: 129771

Ion Ratio Lower Upper

330 100

332 96.5 78.2 117.2

141 30.8 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 87.476 ng

RT: 13.600 min Scan# 1713

Delta R.T. -0.002 min

Lab File: BG057496.D

Acq: 22 May 2023 16:33

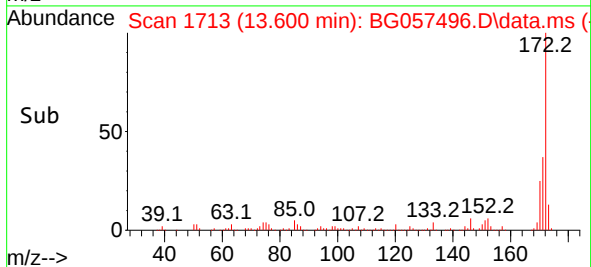
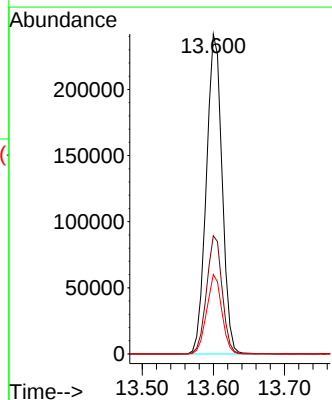
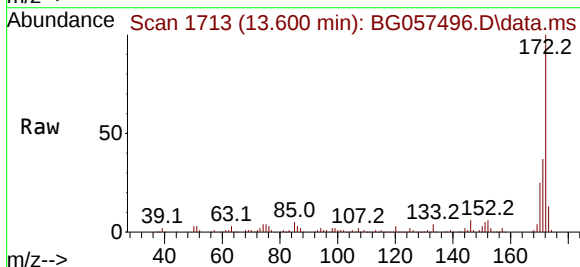
Tgt Ion:172 Resp: 373033

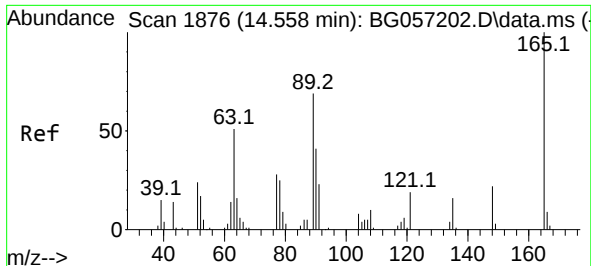
Ion Ratio Lower Upper

172 100

171 36.9 29.4 44.0

170 24.8 19.0 28.6

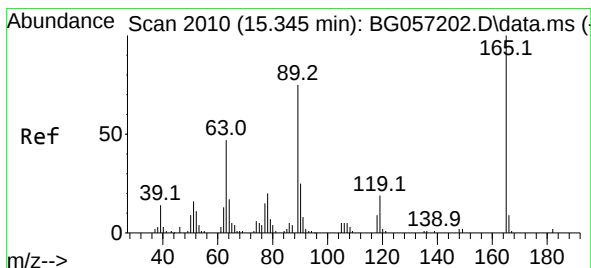
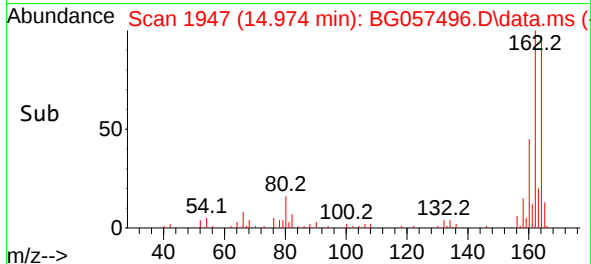
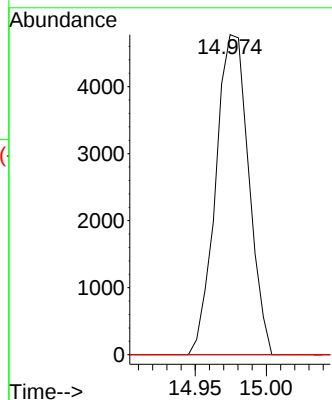
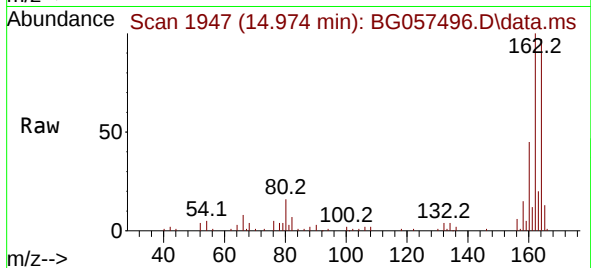




#51
2,6-Dinitrotoluene
Concen: 8.004 ng
RT: 14.974 min Scan# 1947
Delta R.T. 0.433 min
Lab File: BG057496.D
Acq: 22 May 2023 16:33

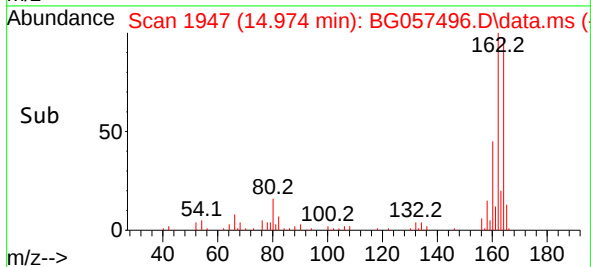
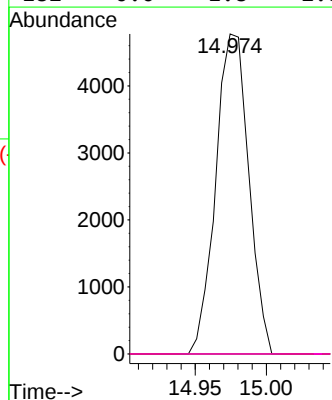
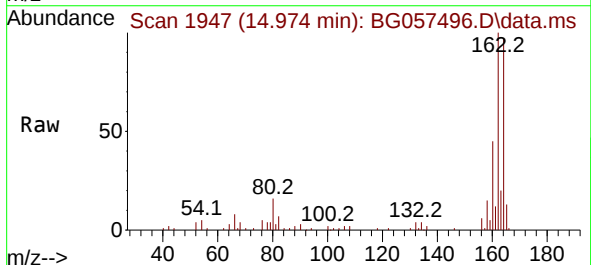
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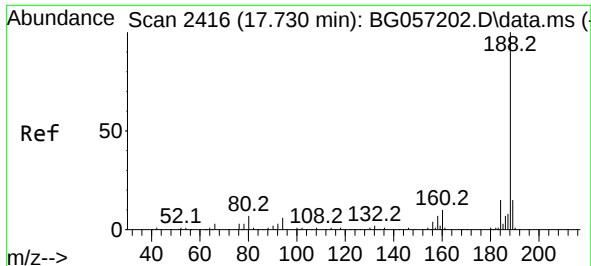
Tgt Ion:165 Resp: 7713
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.601 ng
RT: 14.974 min Scan# 1947
Delta R.T. -0.354 min
Lab File: BG057496.D
Acq: 22 May 2023 16:33

Tgt Ion:165 Resp: 7713
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#

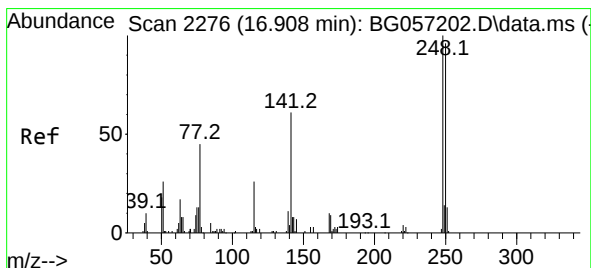
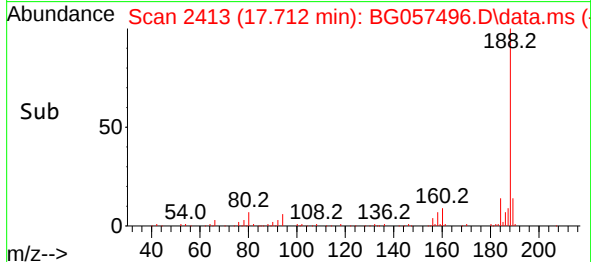
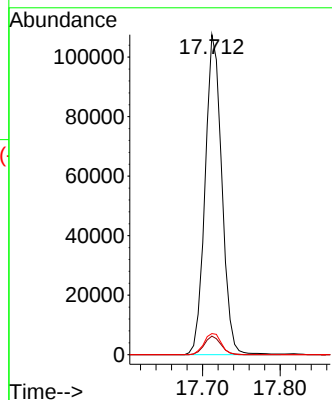
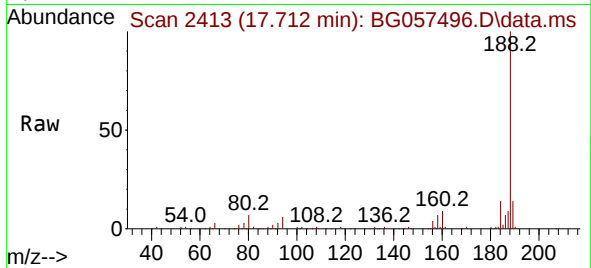




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.712 min Scan# 2416
Delta R.T. -0.002 min
Lab File: BG057496.D
Acq: 22 May 2023 16:33

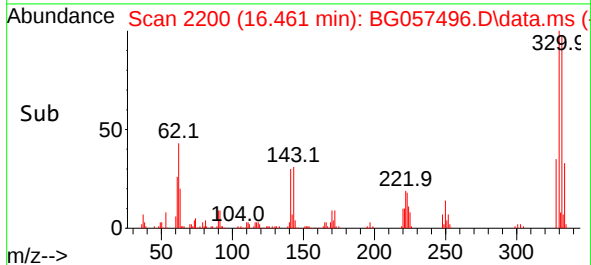
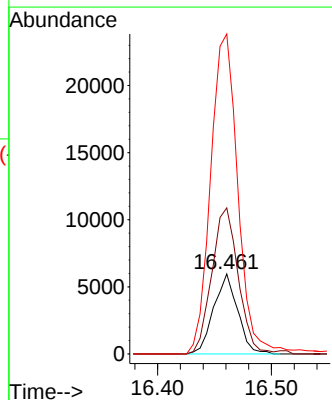
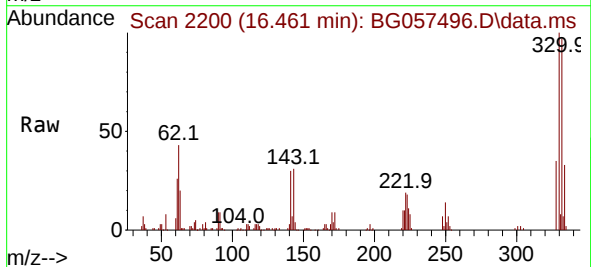
Instrument :
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ClientSampleId :
PB152903BL

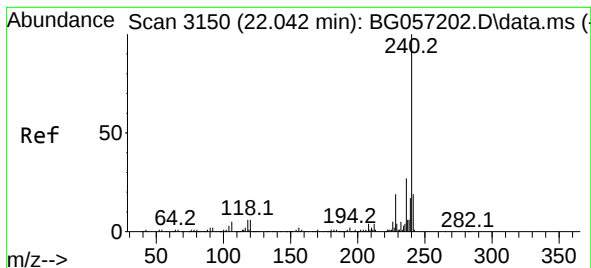
Tgt Ion:188 Resp: 160795
Ion Ratio Lower Upper
188 100
94 5.8 5.1 7.7
80 6.6 5.7 8.5



#67
4-Bromophenyl-phenylether
Concen: 4.459 ng
RT: 16.461 min Scan# 2200
Delta R.T. -0.425 min
Lab File: BG057496.D
Acq: 22 May 2023 16:33

Tgt Ion:248 Resp: 8753
Ion Ratio Lower Upper
248 100
250 182.4 77.0 115.6#
141 399.6 48.6 72.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.018 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG057496.D

Acq: 22 May 2023 16:33

Instrument :

BNA_G

ClientSampleId :

PB152903BL

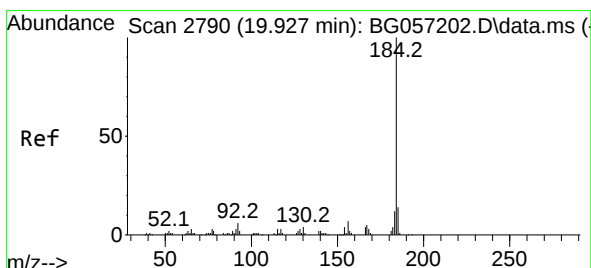
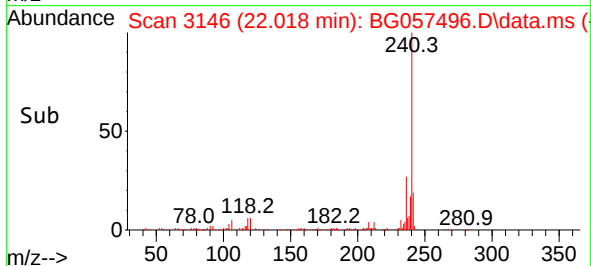
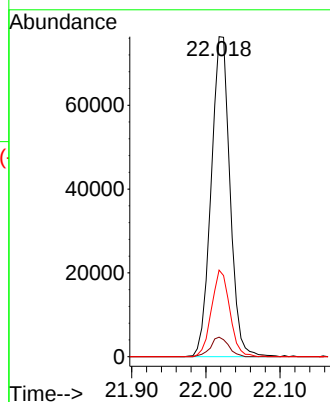
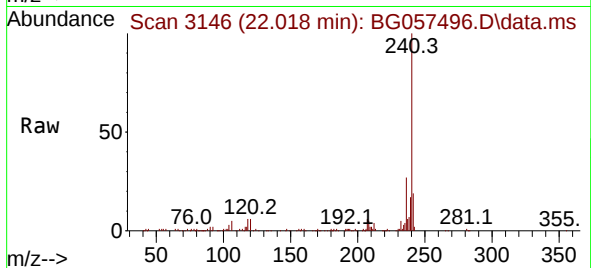
Tgt Ion:240 Resp: 134623

Ion Ratio Lower Upper

240 100

120 6.1 4.9 7.3

236 27.1 21.4 32.2



#77

Benzidine

Concen: 4.006 ng

RT: 20.285 min Scan# 2851

Delta R.T. 0.374 min

Lab File: BG057496.D

Acq: 22 May 2023 16:33

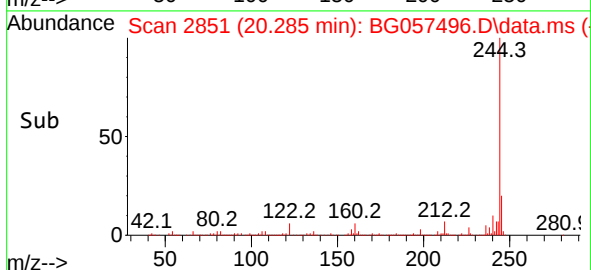
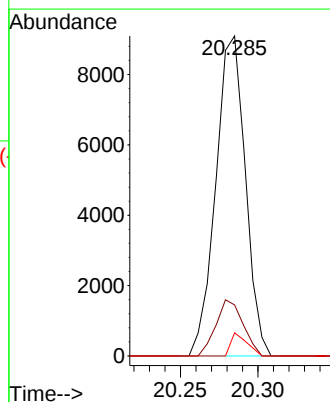
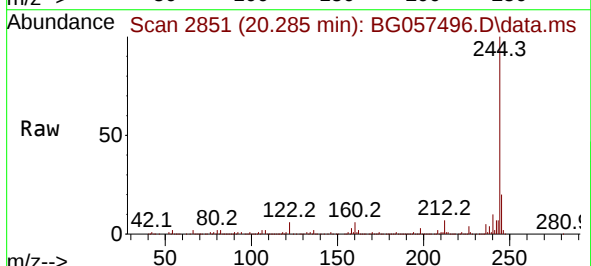
Tgt Ion:184 Resp: 12056

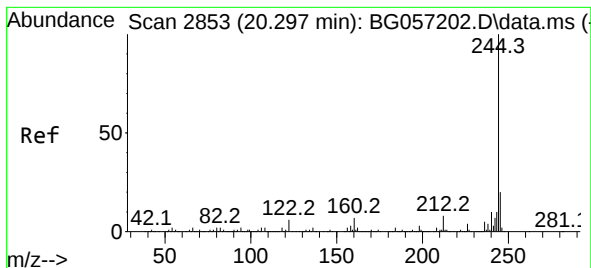
Ion Ratio Lower Upper

184 100

185 16.0 11.1 16.7

183 7.2 9.9 14.9#





#79

Terphenyl-d14

Concen: 100.625 ng

RT: 20.285 min Scan# 21

Delta R.T. 0.004 min

Lab File: BG057496.D

Acq: 22 May 2023 16:33

Instrument :

BNA_G

ClientSampleId :

PB152903BL

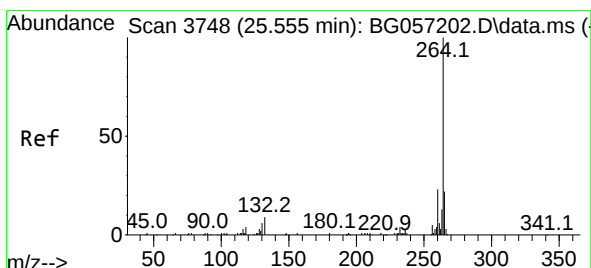
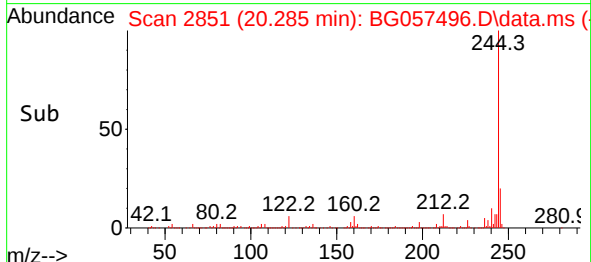
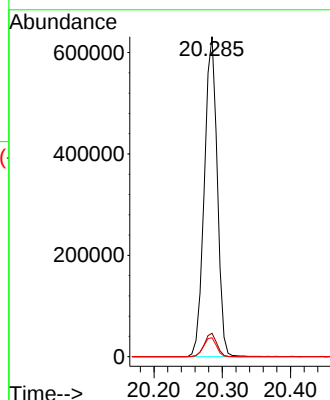
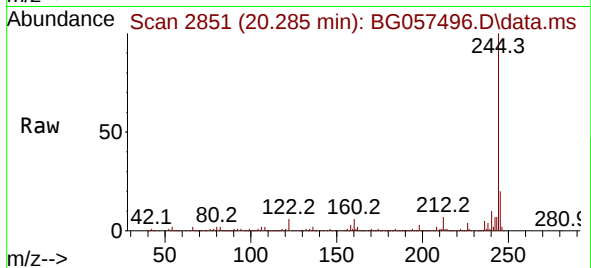
Tgt Ion:244 Resp: 830090

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 5.9 5.1 7.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.519 min Scan# 3742

Delta R.T. 0.004 min

Lab File: BG057496.D

Acq: 22 May 2023 16:33

Tgt Ion:264 Resp: 143915

Ion Ratio Lower Upper

264 100

260 23.0 18.8 28.2

265 21.2 17.9 26.9

