

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
 Data File : BG057493.D
 Acq On : 22 May 2023 14:30
 Operator : CG/JU
 Sample : 02845-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP1

Quant Time: May 22 15:34:24 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)

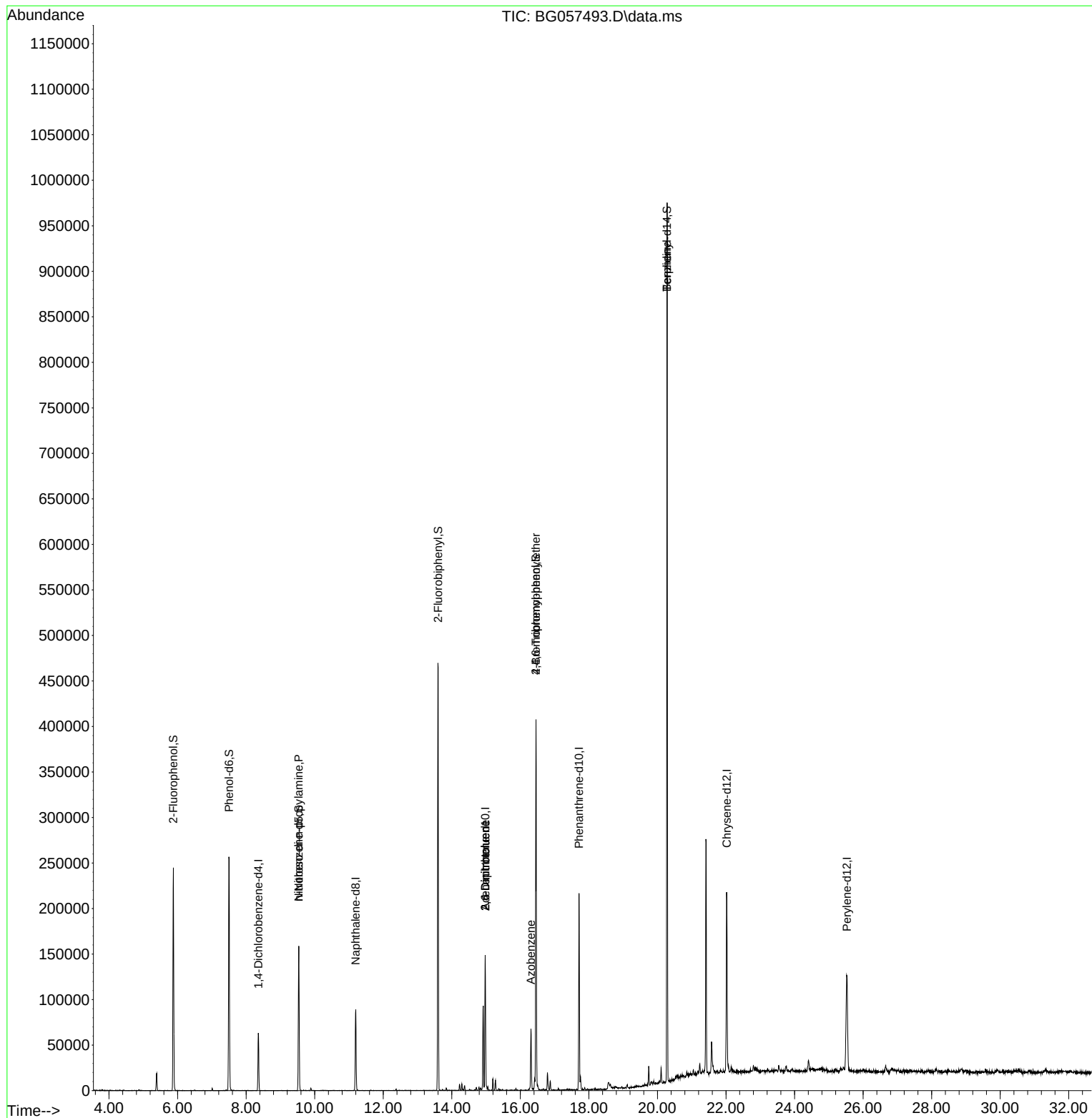
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.356	152	19237	20.000	ng	0.00
21) Naphthalene-d8	11.199	136	76155	20.000	ng	0.00
39) Acenaphthene-d10	14.976	164	55811	20.000	ng	0.00
64) Phenanthrene-d10	17.713	188	140630	20.000	ng	0.00
76) Chrysene-d12	22.019	240	127603	20.000	ng	0.00
86) Perylene-d12	25.526	264	135494	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.877	112	107804	95.862	ng	0.00
7) Phenol-d6	7.498	99	158942	93.074	ng	0.00
23) Nitrobenzene-d5	9.536	82	103119	56.831	ng	0.00
42) 2,4,6-Tribromophenol	16.456	330	84822	107.112	ng	0.00
45) 2-Fluorobiphenyl	13.601	172	257722	62.192	ng	0.00
79) Terphenyl-d14	20.281	244	482607	61.721	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.504	77	160	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.536	70	13955	10.717	ng	# 77
51) 2,6-Dinitrotoluene	14.976	165	7476	7.984	ng	# 17
57) 2,4-Dinitrotoluene	14.976	165	7476	5.586	ng	# 20
63) Azobenzene	16.309	77	21117	4.699	ng	# 1
67) 4-Bromophenyl-phenylether	16.456	248	5740	3.344	ng	# 1
77) Benzidine	20.281	184	7507	2.631	ng	# 89

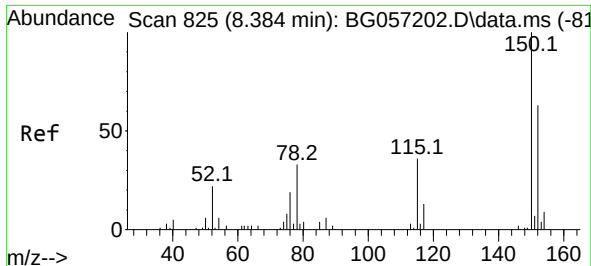
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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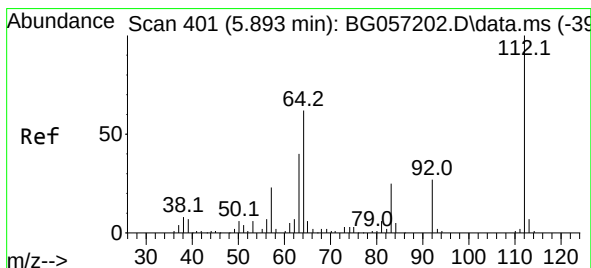
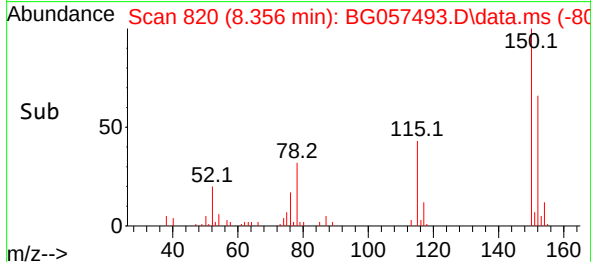
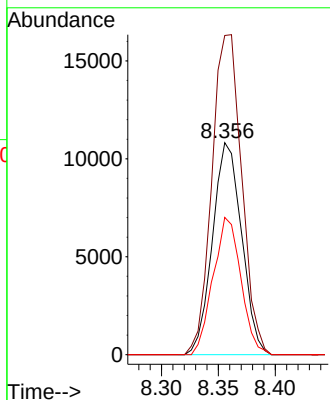
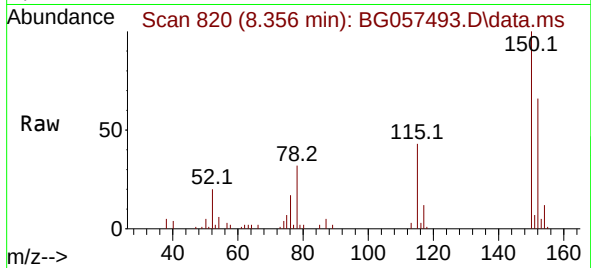




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.356 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057493.D
Acq: 22 May 2023 14:30

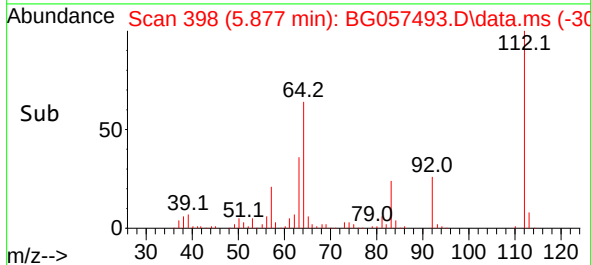
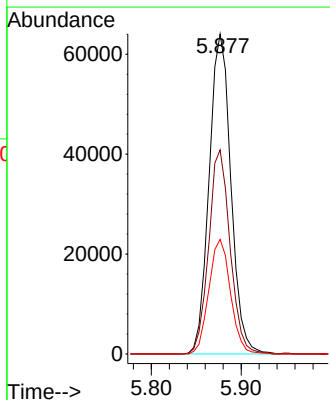
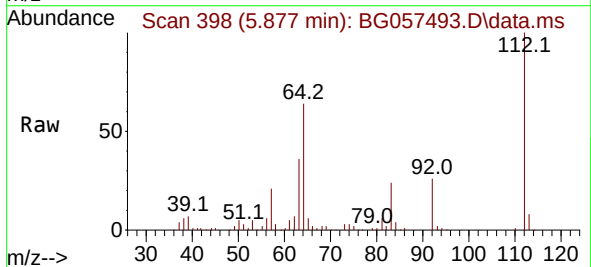
Instrument :
BNA_G
ClientSampleId :
TP1

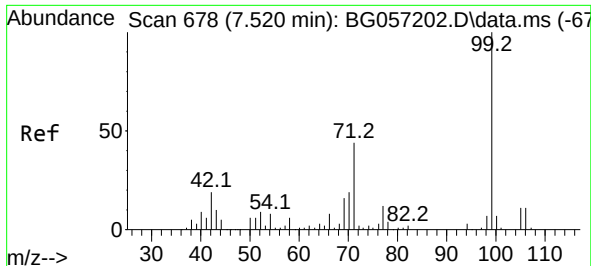
Tgt Ion:152 Resp: 19237
Ion Ratio Lower Upper
152 100
150 150.6 126.2 189.4
115 64.7 45.0 67.4



#5
2-Fluorophenol
Concen: 95.862 ng
RT: 5.877 min Scan# 398
Delta R.T. 0.006 min
Lab File: BG057493.D
Acq: 22 May 2023 14:30

Tgt Ion:112 Resp: 107804
Ion Ratio Lower Upper
112 100
64 63.8 49.4 74.2
63 35.8 31.6 47.4

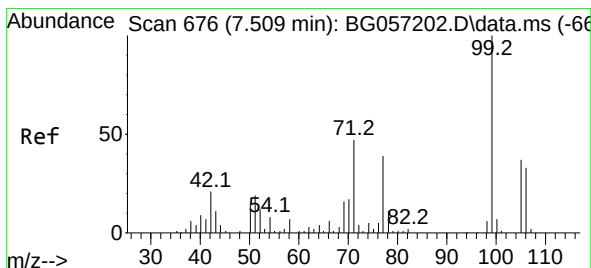
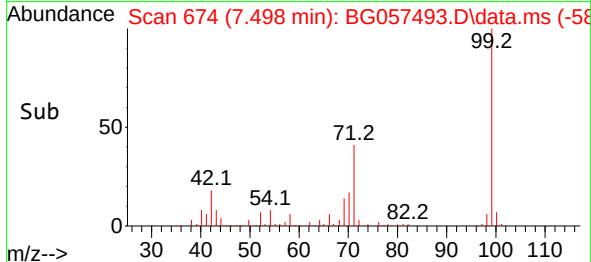
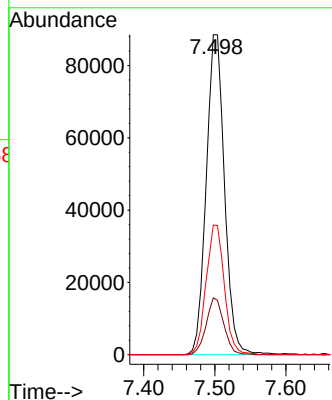
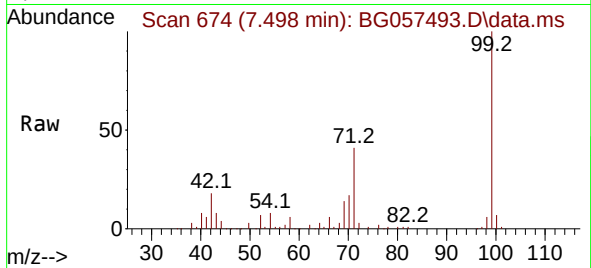




#7
Phenol-d6
Concen: 93.074 ng
RT: 7.498 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG057493.D
Acq: 22 May 2023 14:30

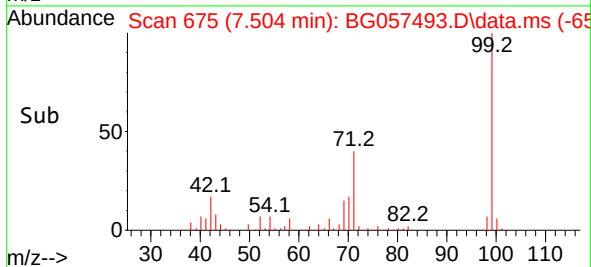
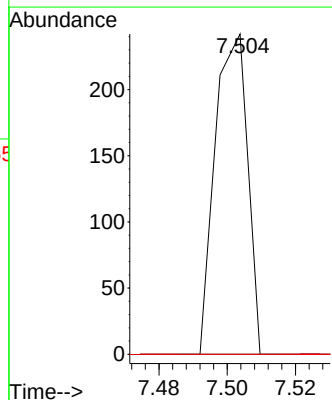
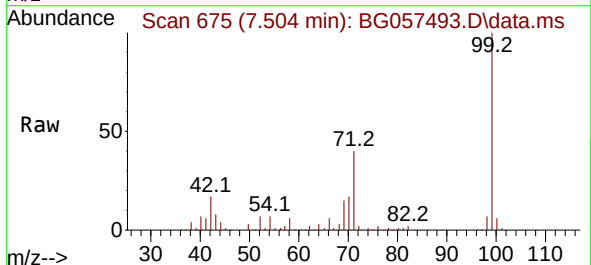
Instrument :
BNA_G
ClientSampleId :
TP1

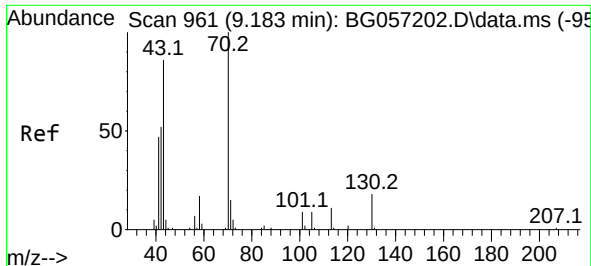
Tgt Ion: 99 Resp: 158942
Ion Ratio Lower Upper
99 100
42 17.8 15.1 22.7
71 40.5 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.504 min Scan# 675
Delta R.T. 0.017 min
Lab File: BG057493.D
Acq: 22 May 2023 14:30

Tgt Ion: 77 Resp: 160
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

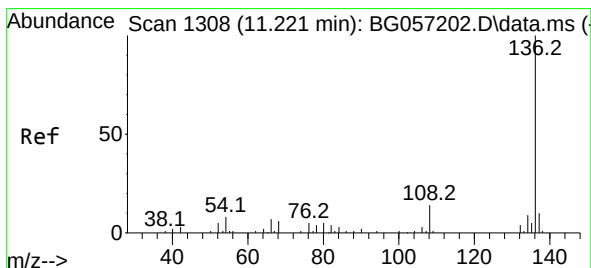
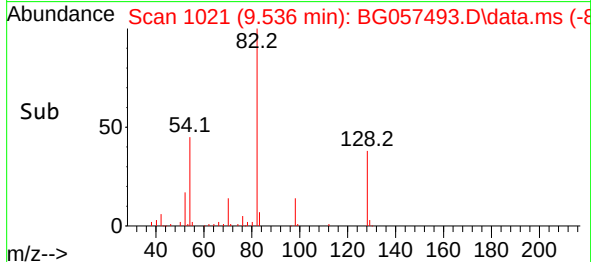
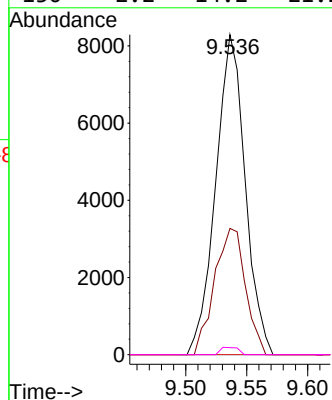
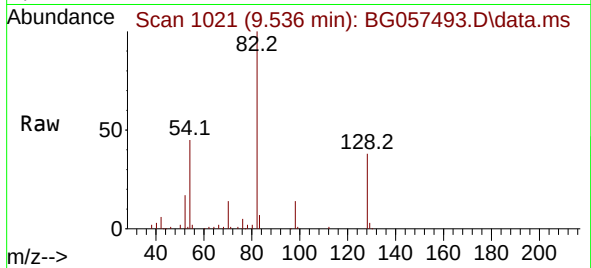




#19
n-Nitroso-di-n-propylamine
Concen: 10.717 ng
RT: 9.536 min Scan# 1021
Delta R.T. 0.376 min
Lab File: BG057493.D
Acq: 22 May 2023 14:30

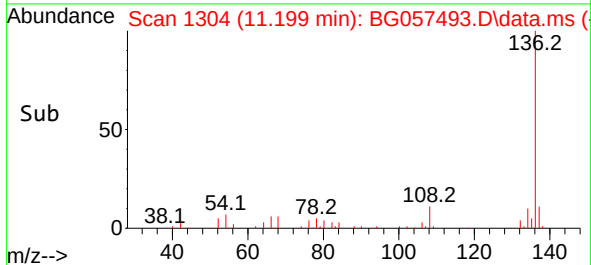
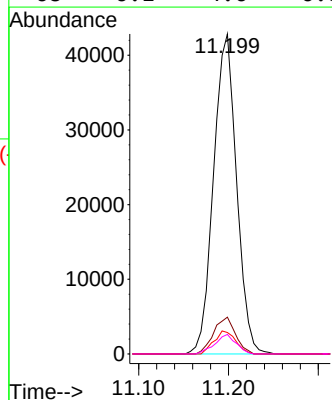
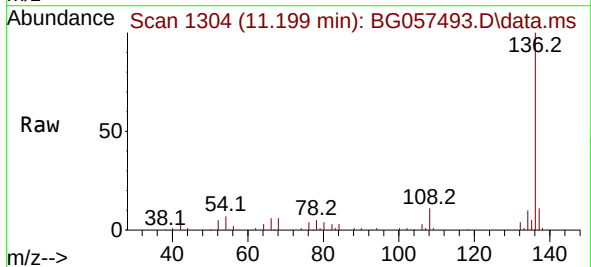
Instrument :
BNA_G
ClientSampleId :
TP1

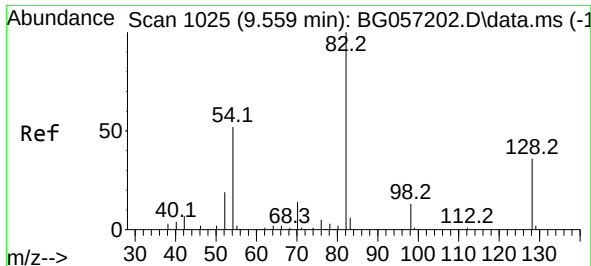
Tgt Ion:	70	Resp:	13955
Ion	Ratio	Lower	Upper
70	100		
42	39.4	41.8	62.8#
101	0.0	6.8	10.2#
130	2.2	14.2	21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.199 min Scan# 1304
Delta R.T. -0.000 min
Lab File: BG057493.D
Acq: 22 May 2023 14:30

Tgt Ion:	136	Resp:	76155
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.3	12.5
54	6.7	6.7	10.1
68	6.1	4.6	6.8





#23

Nitrobenzene-d5

Concen: 56.831 ng

RT: 9.536 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG057493.D

Acq: 22 May 2023 14:30

Instrument :

BNA_G

ClientSampleId :

TP1

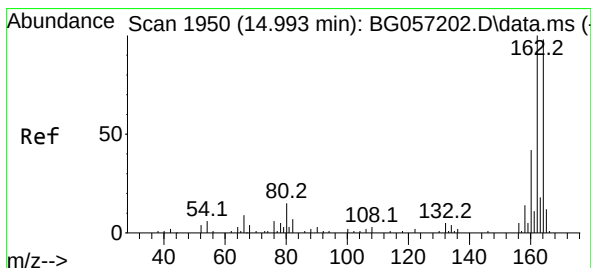
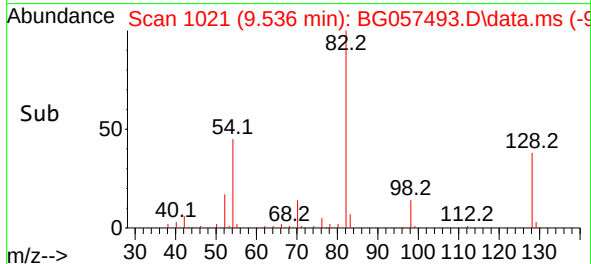
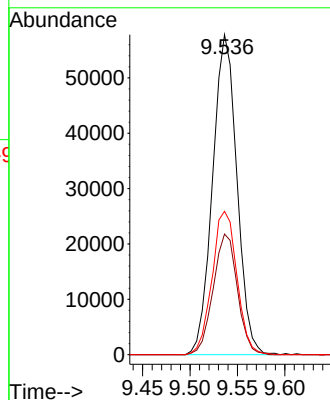
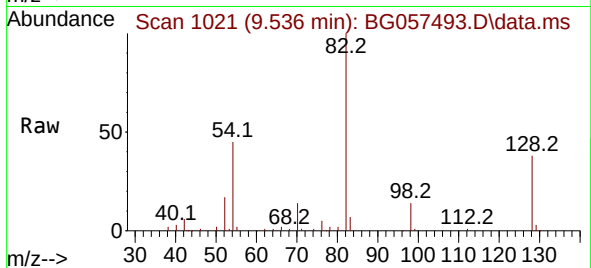
Tgt Ion: 82 Resp: 103119

Ion Ratio Lower Upper

82 100

128 37.7 29.0 43.4

54 44.8 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.976 min Scan# 1947

Delta R.T. -0.000 min

Lab File: BG057493.D

Acq: 22 May 2023 14:30

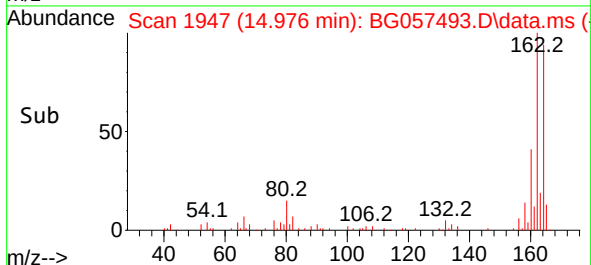
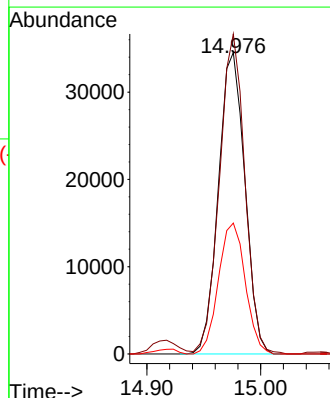
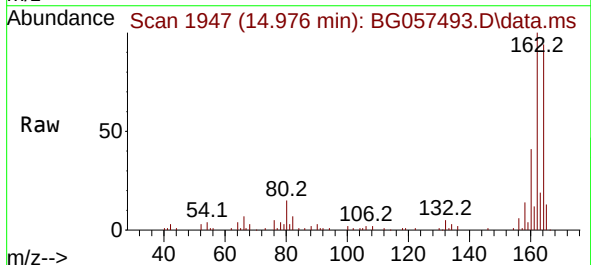
Tgt Ion:164 Resp: 55811

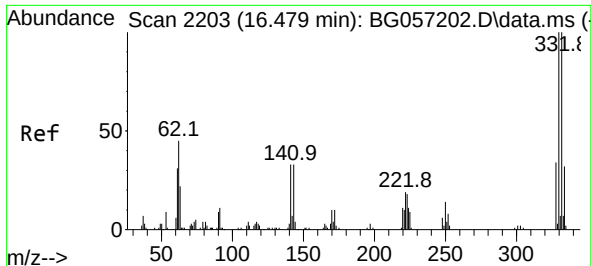
Ion Ratio Lower Upper

164 100

162 106.1 81.8 122.6

160 43.4 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 107.112 ng

RT: 16.456 min Scan# 2199

Delta R.T. -0.000 min

Lab File: BG057493.D

Acq: 22 May 2023 14:30

Instrument :

BNA_G

ClientSampleId :

TP1

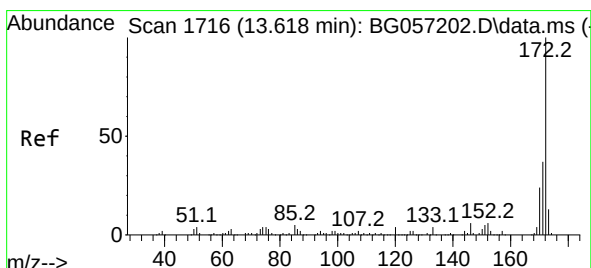
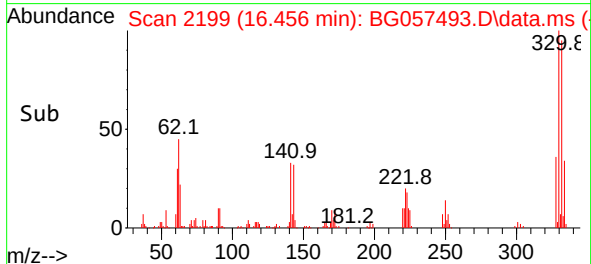
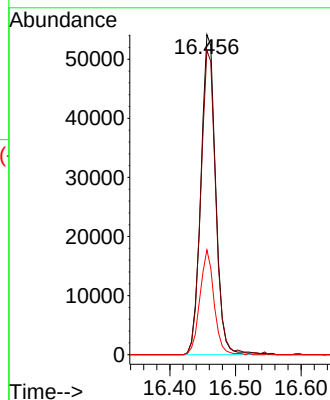
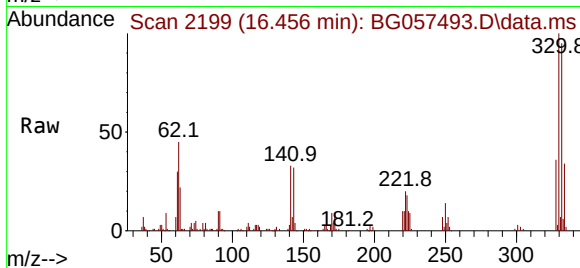
Tgt Ion:330 Resp: 84822

Ion Ratio Lower Upper

330 100

332 95.7 78.2 117.2

141 31.3 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 62.192 ng

RT: 13.601 min Scan# 1713

Delta R.T. -0.000 min

Lab File: BG057493.D

Acq: 22 May 2023 14:30

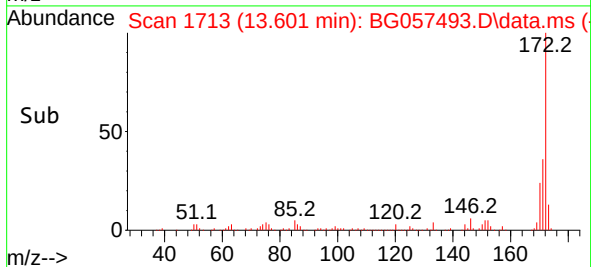
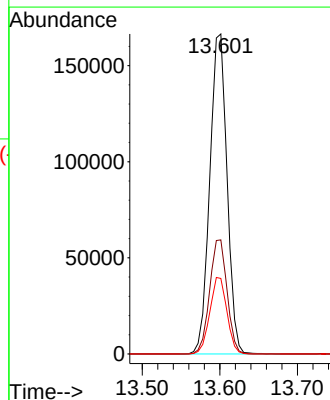
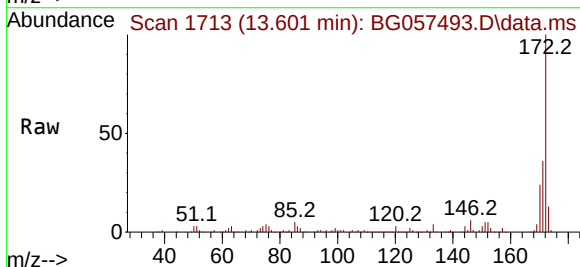
Tgt Ion:172 Resp: 257722

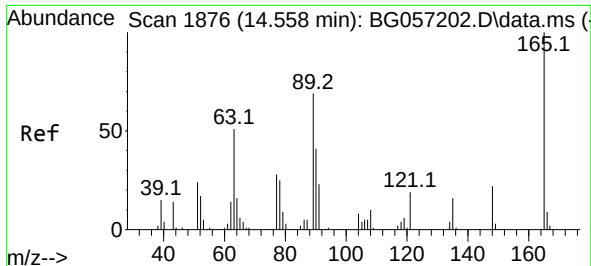
Ion Ratio Lower Upper

172 100

171 35.7 29.4 44.0

170 23.6 19.0 28.6

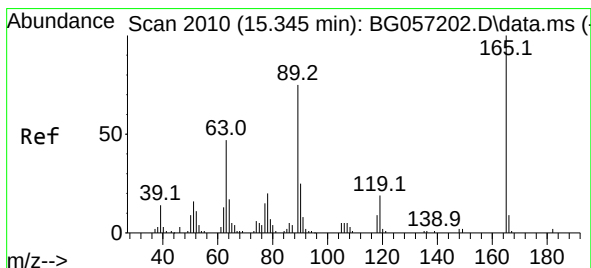
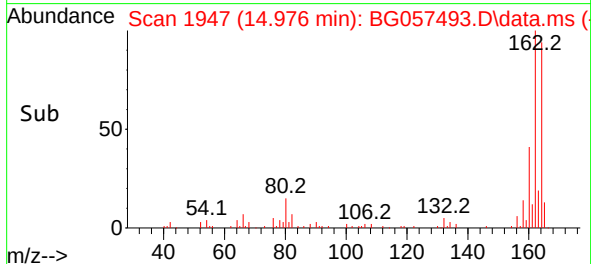
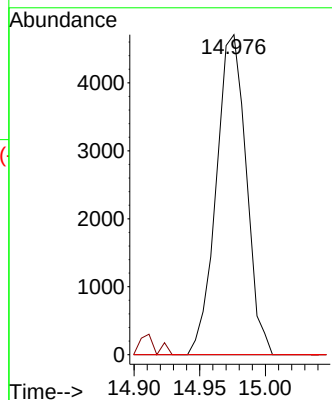
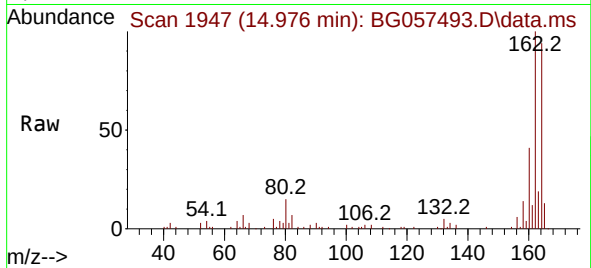




#51
2,6-Dinitrotoluene
Concen: 7.984 ng
RT: 14.976 min Scan# 1947
Delta R.T. 0.434 min
Lab File: BG057493.D
Acq: 22 May 2023 14:30

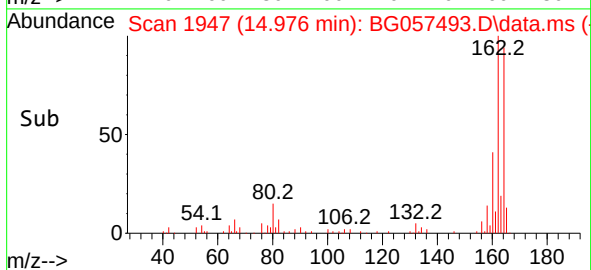
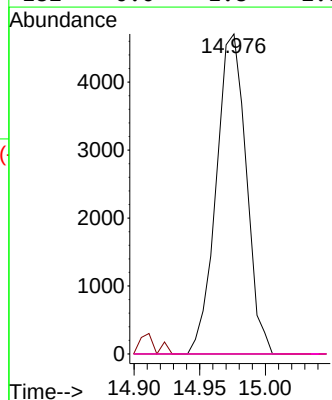
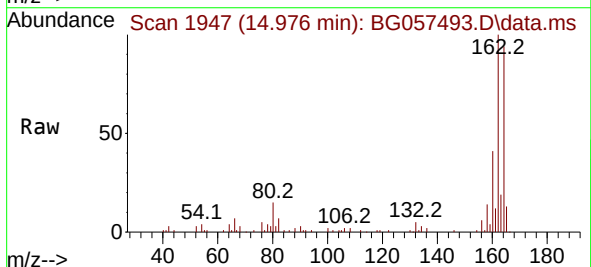
Instrument :
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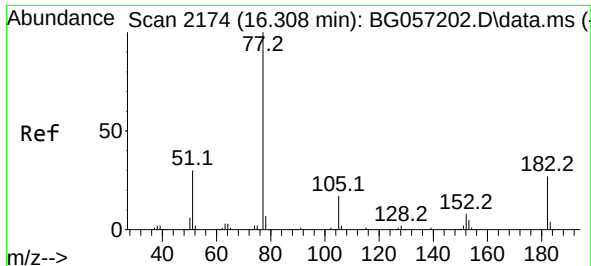
Tgt Ion:165 Resp: 7476
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.586 ng
RT: 14.976 min Scan# 1947
Delta R.T. -0.353 min
Lab File: BG057493.D
Acq: 22 May 2023 14:30

Tgt Ion:165 Resp: 7476
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#

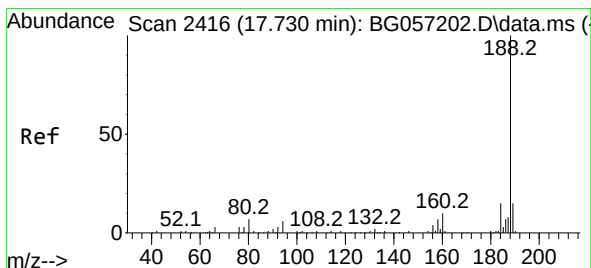
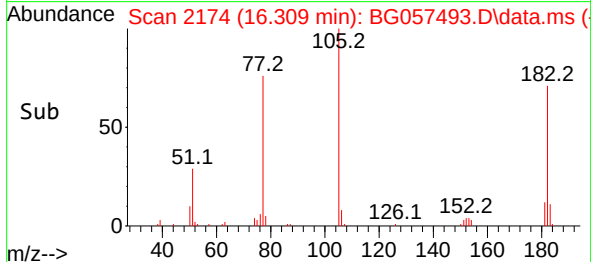
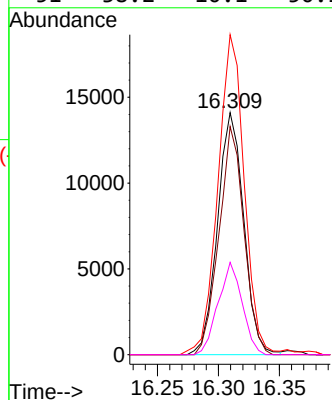
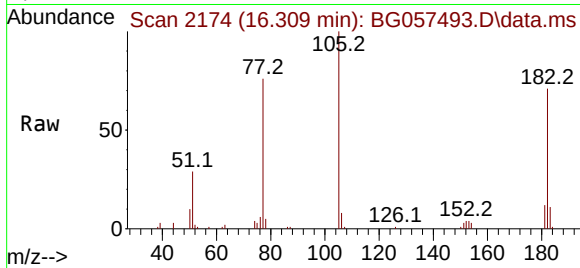




#63
 Azobenzene
 Concen: 4.699 ng
 RT: 16.309 min Scan# 2117
 Delta R.T. 0.023 min
 Lab File: BG057493.D
 Acq: 22 May 2023 14:30

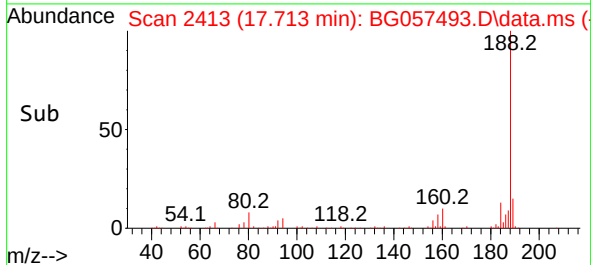
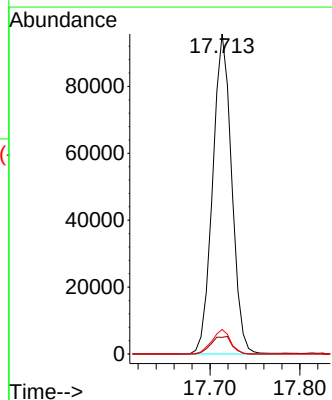
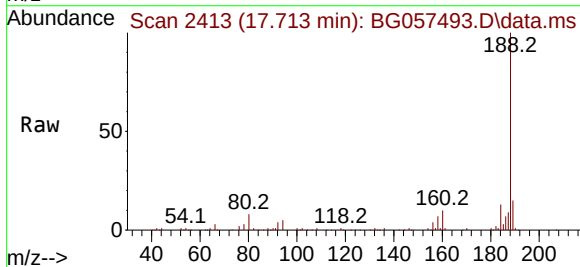
Instrument :
 BNA_G
 ClientSampleId :
 TP1

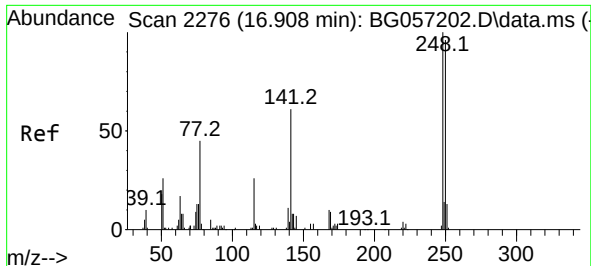
Tgt Ion: 77	Resp: 21117
Ion Ratio	Lower Upper
77 100	
182 94.3	7.4 47.4#
105 132.2	0.0 37.2#
51 38.2	10.1 50.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.713 min Scan# 2413
 Delta R.T. -0.000 min
 Lab File: BG057493.D
 Acq: 22 May 2023 14:30

Tgt Ion: 188	Resp: 140630
Ion Ratio	Lower Upper
188 100	
94 5.2	5.1 7.7
80 7.7	5.7 8.5

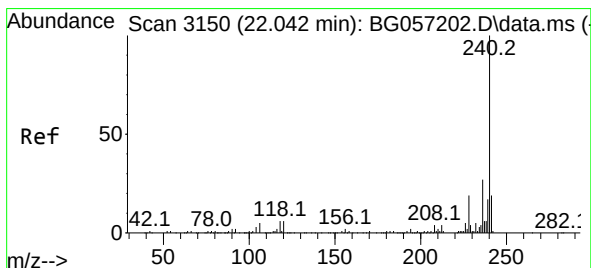
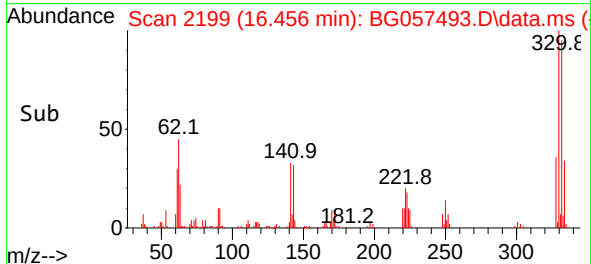
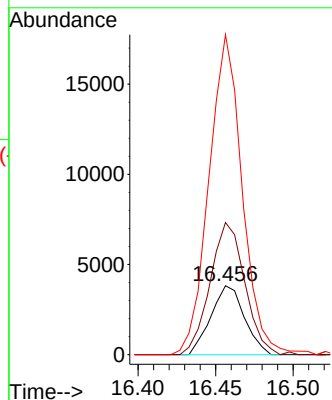
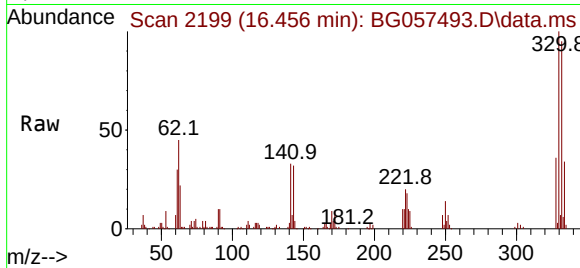




#67
4-Bromophenyl-phenylether
Concen: 3.344 ng
RT: 16.456 min Scan# 21199
Delta R.T. -0.429 min
Lab File: BG057493.D
Acq: 22 May 2023 14:30

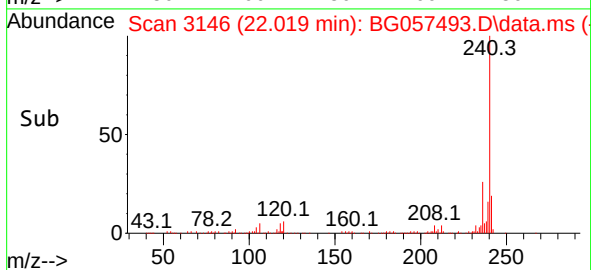
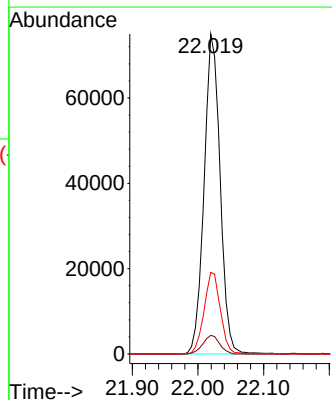
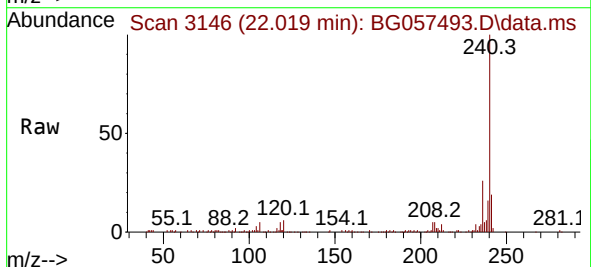
Instrument :
BNA_G
ClientSampleId :
TP1

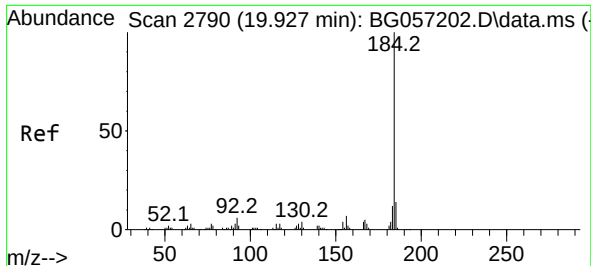
Tgt Ion:248 Resp: 5740
Ion Ratio Lower Upper
248 100
250 191.6 77.0 115.6#
141 463.7 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.019 min Scan# 3146
Delta R.T. -0.000 min
Lab File: BG057493.D
Acq: 22 May 2023 14:30

Tgt Ion:240 Resp: 127603
Ion Ratio Lower Upper
240 100
120 5.8 4.9 7.3
236 25.5 21.4 32.2

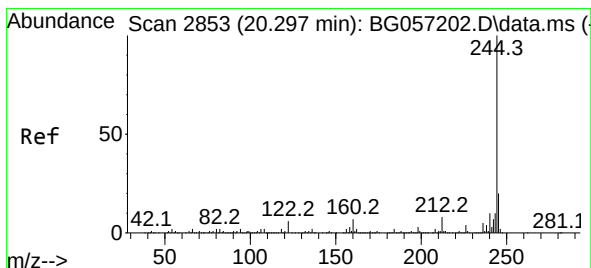
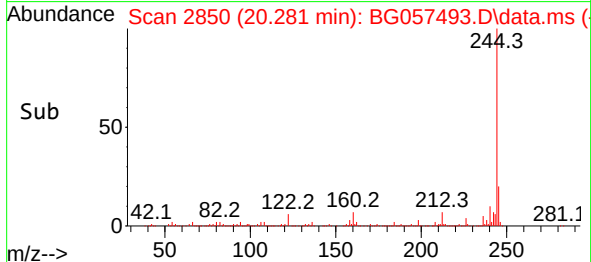
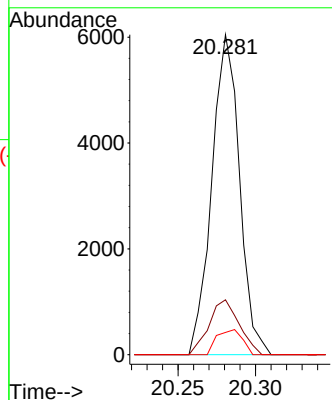
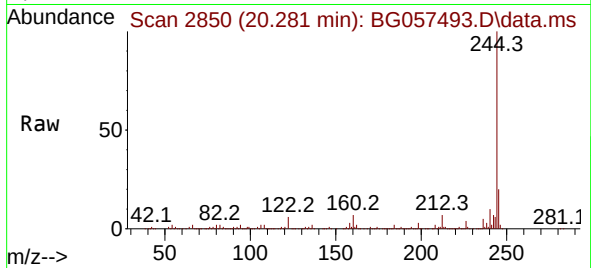




#77
Benzidine
Concen: 2.631 ng
RT: 20.281 min Scan# 2850
Delta R.T. 0.370 min
Lab File: BG057493.D
Acq: 22 May 2023 14:30

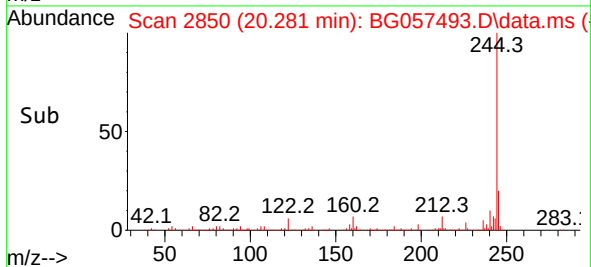
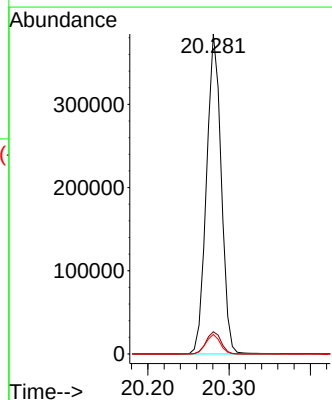
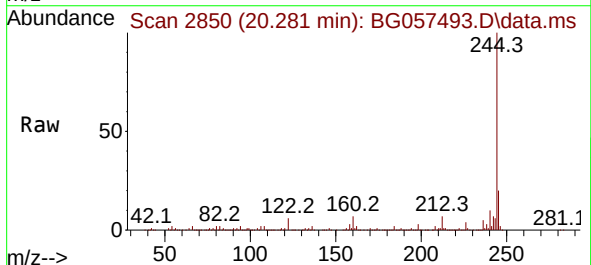
Instrument :
BNA_G
ClientSampleId :
TP1

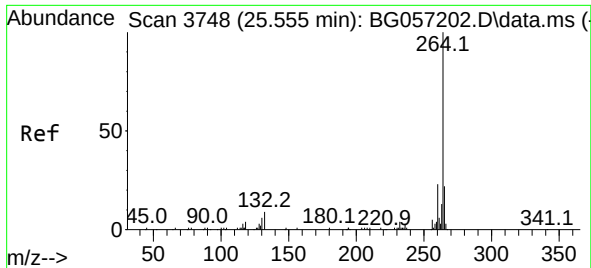
Tgt Ion:184 Resp: 7507
Ion Ratio Lower Upper
184 100
185 17.1 11.1 16.7#
183 7.0 9.9 14.9#



#79
Terphenyl-d14
Concen: 61.721 ng
RT: 20.281 min Scan# 2850
Delta R.T. -0.000 min
Lab File: BG057493.D
Acq: 22 May 2023 14:30

Tgt Ion:244 Resp: 482607
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 6.1 5.1 7.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.526 min Scan# 31
Delta R.T. 0.012 min
Lab File: BG057493.D
Acq: 22 May 2023 14:30

Instrument :
BNA_G
ClientSampleId :
TP1

Tgt Ion:264 Resp: 135494

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	22.5	17.9	26.9

