

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
 Data File : BG057517.D
 Acq On : 23 May 2023 13:14
 Operator : CG/JU
 Sample : 02869-21
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP22

Quant Time: May 23 14:13:02 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)

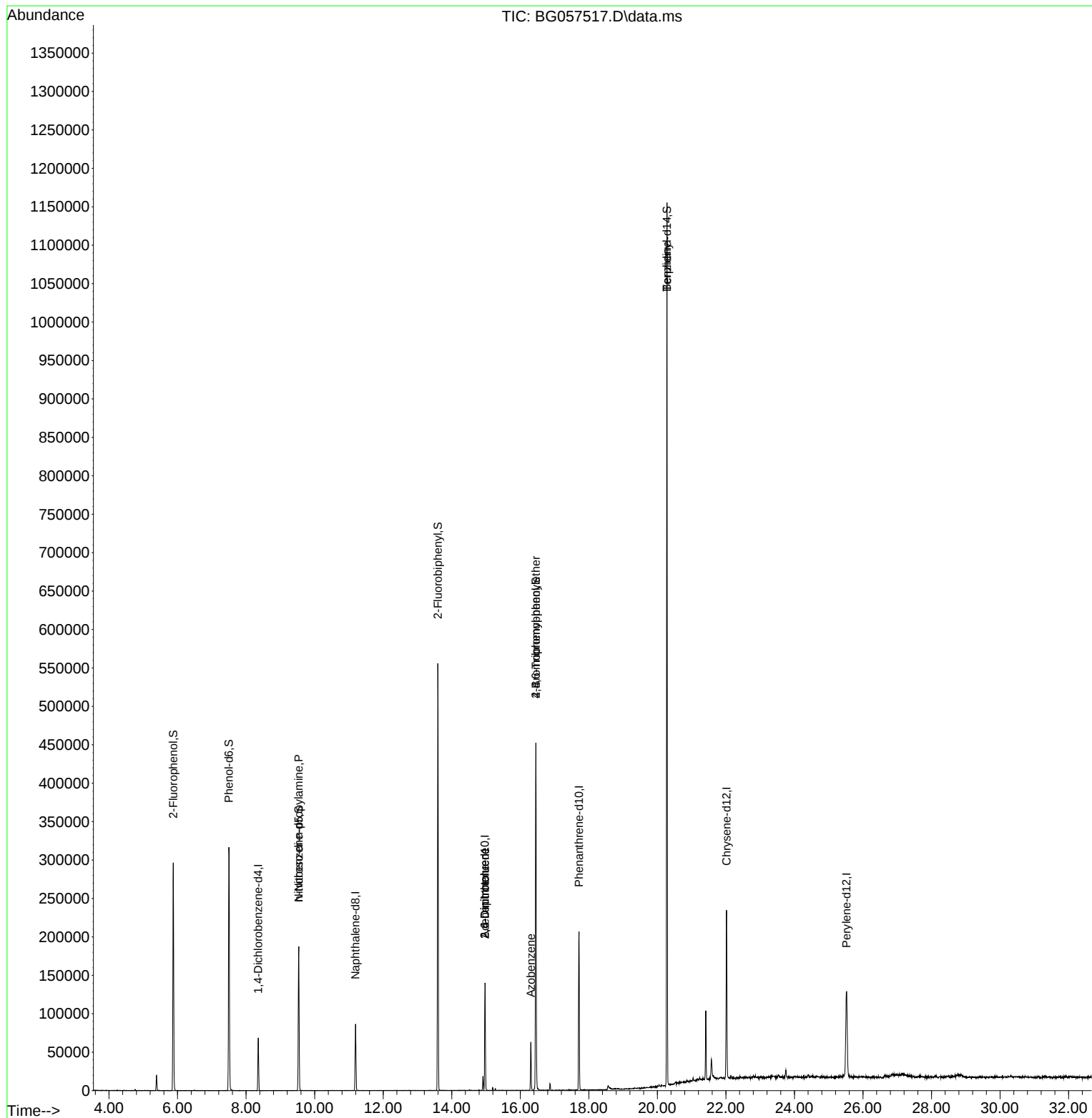
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	19409	20.000	ng	0.00
21) Naphthalene-d8	11.193	136	74776	20.000	ng	0.00
39) Acenaphthene-d10	14.970	164	53145	20.000	ng	0.00
64) Phenanthrene-d10	17.713	188	138663	20.000	ng	0.00
76) Chrysene-d12	22.019	240	135856	20.000	ng	0.00
86) Perylene-d12	25.520	264	143970	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	131191	115.625	ng	0.00
7) Phenol-d6	7.498	99	196489	114.041	ng	0.00
23) Nitrobenzene-d5	9.536	82	121053	67.945	ng	0.00
42) 2,4,6-Tribromophenol	16.456	330	98737	130.938	ng	0.00
45) 2-Fluorobiphenyl	13.595	172	293605	74.405	ng	0.00
79) Terphenyl-d14	20.280	244	584757	70.242	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.498	77	240	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.536	70	16141	12.286	ng	# 77
51) 2,6-Dinitrotoluene	14.970	165	6906	7.745	ng	# 17
57) 2,4-Dinitrotoluene	14.970	165	6906	5.419	ng	# 20
63) Azobenzene	16.309	77	19432	4.541	ng	# 1
67) 4-Bromophenyl-phenylether	16.456	248	6736	3.979	ng	# 1
77) Benzidine	20.280	184	8670	2.855	ng	# 84

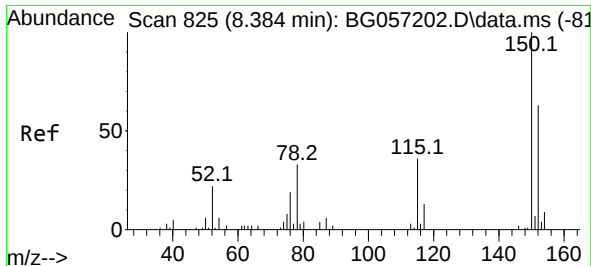
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
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Misc :
ALS Vial : 7 Sample Multiplier: 1

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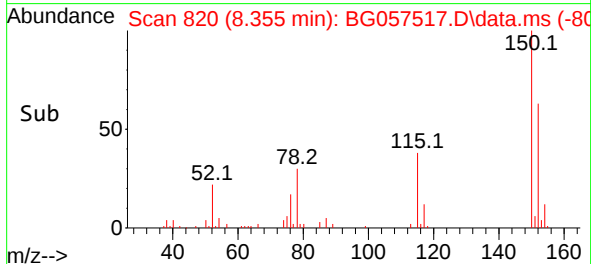
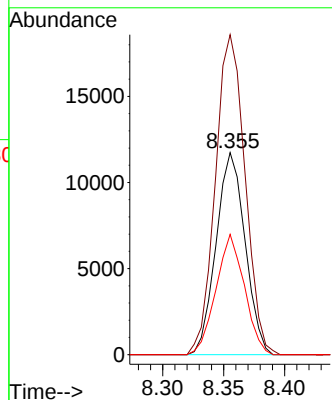
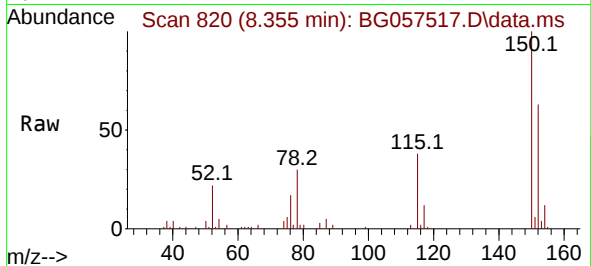




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057517.D
Acq: 23 May 2023 13:14

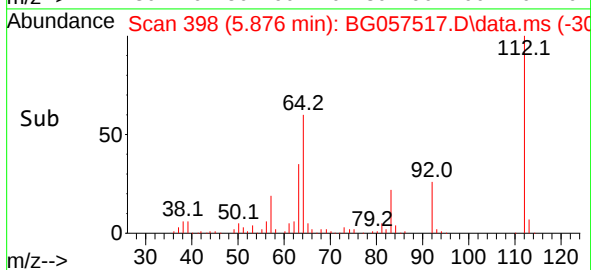
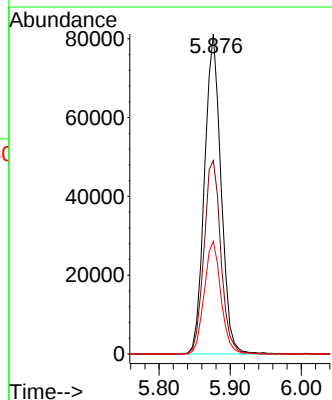
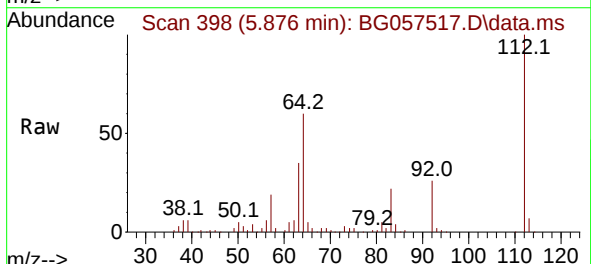
Instrument :
BNA_G
ClientSampleId :
TP22

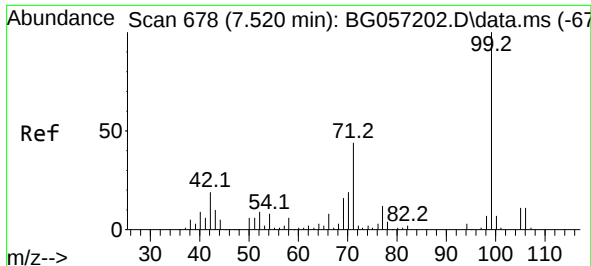
Tgt Ion:152 Resp: 19409
Ion Ratio Lower Upper
152 100
150 158.4 126.2 189.4
115 59.5 45.0 67.4



#5
2-Fluorophenol
Concen: 115.625 ng
RT: 5.876 min Scan# 398
Delta R.T. 0.005 min
Lab File: BG057517.D
Acq: 23 May 2023 13:14

Tgt Ion:112 Resp: 131191
Ion Ratio Lower Upper
112 100
64 60.5 49.4 74.2
63 35.2 31.6 47.4

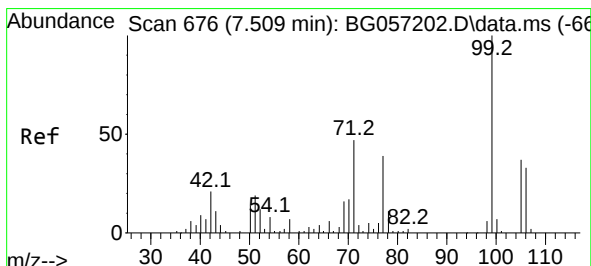
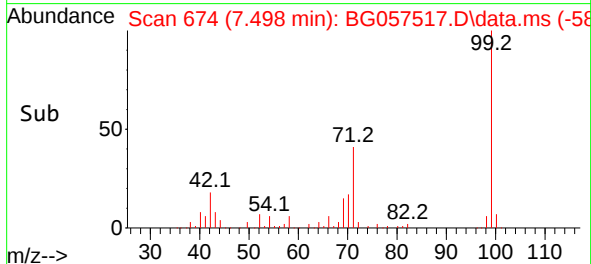
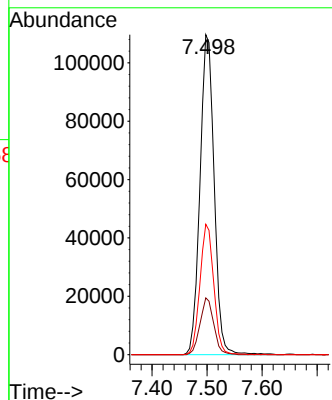
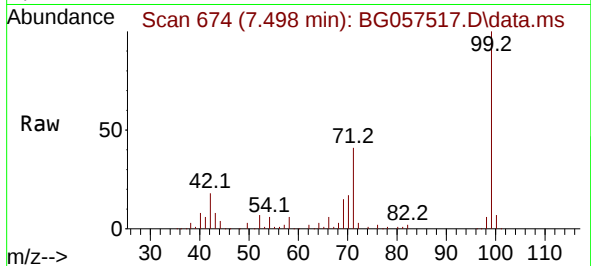




#7
Phenol-d6
Concen: 114.041 ng
RT: 7.498 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG057517.D
Acq: 23 May 2023 13:14

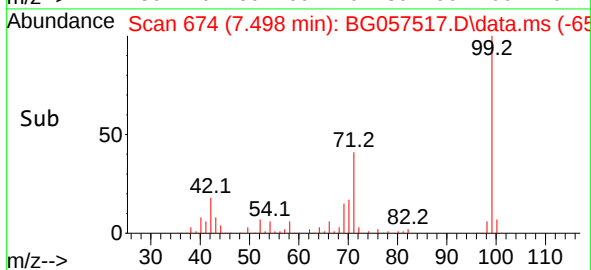
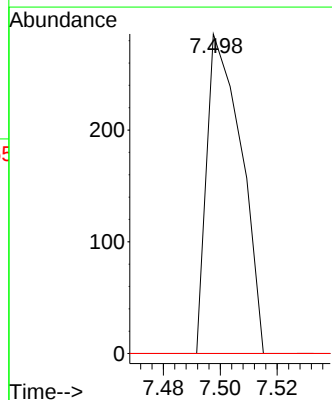
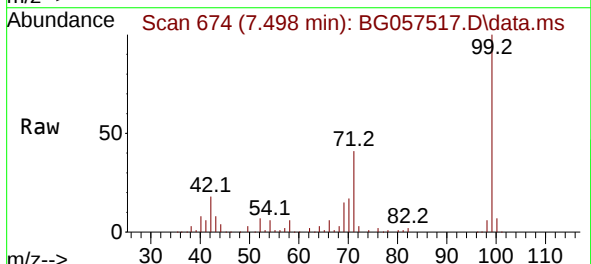
Instrument :
BNA_G
ClientSampleId :
TP22

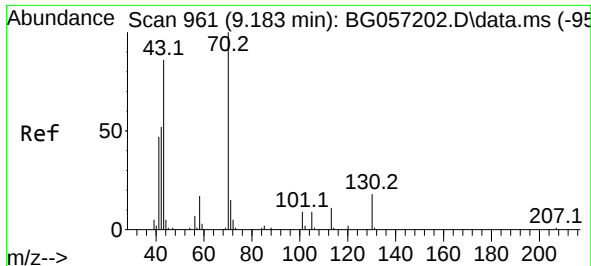
Tgt Ion: 99 Resp: 196489
Ion Ratio Lower Upper
99 100
42 17.7 15.1 22.7
71 40.7 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.498 min Scan# 674
Delta R.T. 0.011 min
Lab File: BG057517.D
Acq: 23 May 2023 13:14

Tgt Ion: 77 Resp: 240
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

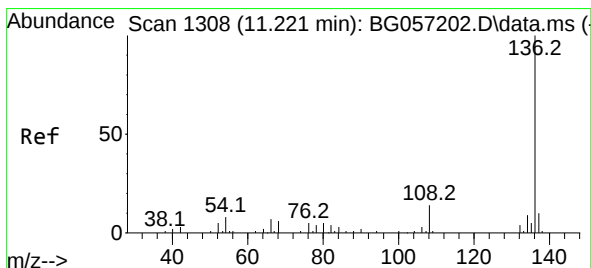
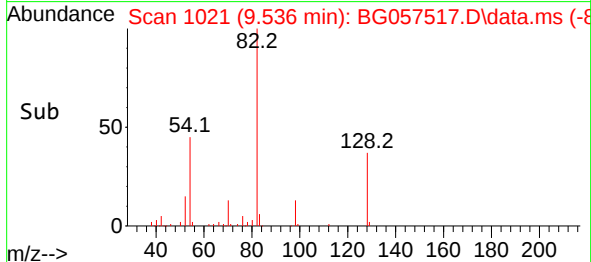
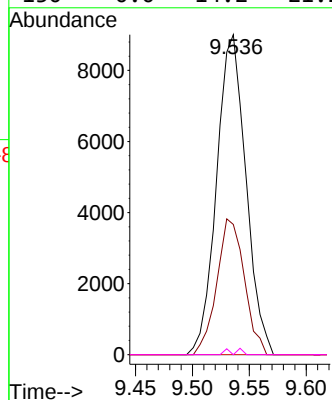
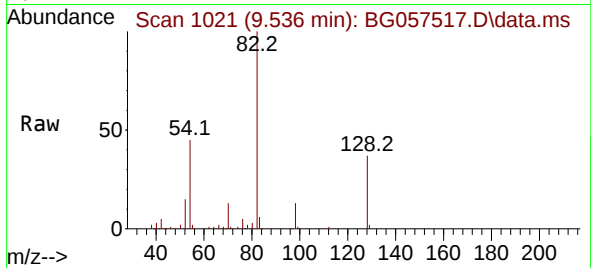




#19
n-Nitroso-di-n-propylamine
Concen: 12.286 ng
RT: 9.536 min Scan# 1021
Delta R.T. 0.375 min
Lab File: BG057517.D
Acq: 23 May 2023 13:14

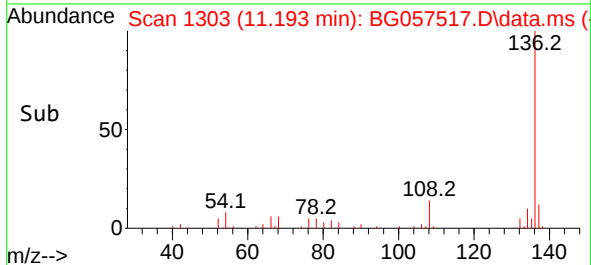
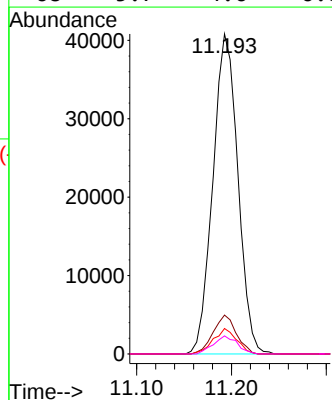
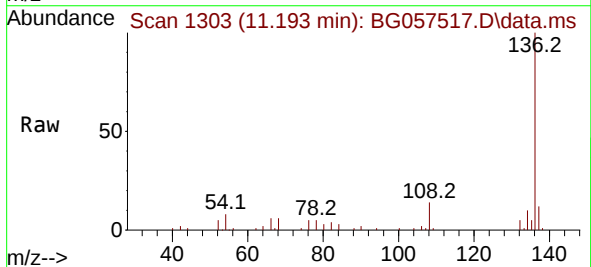
Instrument :
BNA_G
ClientSampleId :
TP22

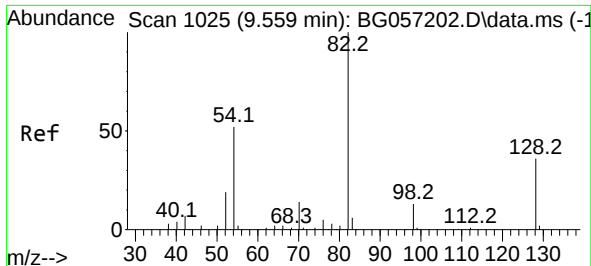
Tgt Ion: 70 Resp: 16141
Ion Ratio Lower Upper
70 100
42 40.7 41.8 62.8#
101 0.0 6.8 10.2#
130 0.0 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.193 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BG057517.D
Acq: 23 May 2023 13:14

Tgt Ion:136 Resp: 74776
Ion Ratio Lower Upper
136 100
137 12.1 8.3 12.5
54 7.9 6.7 10.1
68 5.7 4.6 6.8





#23

Nitrobenzene-d5

Concen: 67.945 ng

RT: 9.536 min Scan# 1021

Delta R.T. -0.001 min

Lab File: BG057517.D

Acq: 23 May 2023 13:14

Instrument :

BNA_G

ClientSampleId :

TP22

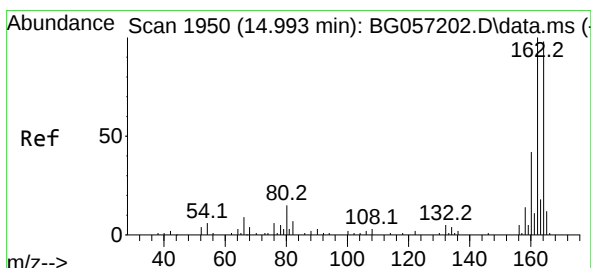
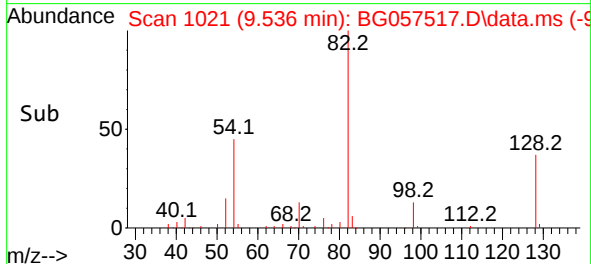
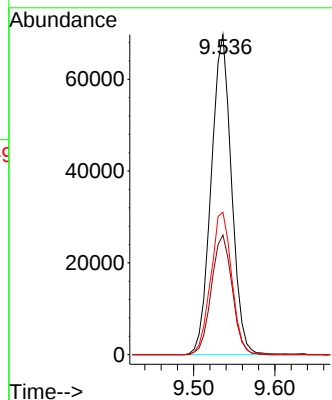
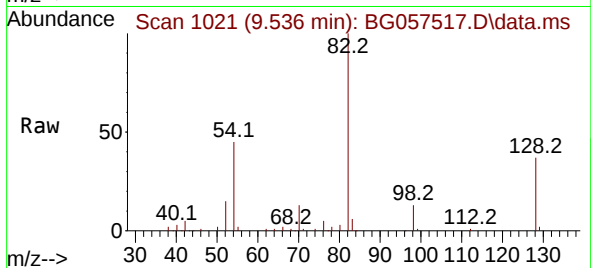
Tgt Ion: 82 Resp: 121053

Ion Ratio Lower Upper

82 100

128 37.4 29.0 43.4

54 44.5 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.970 min Scan# 1946

Delta R.T. -0.006 min

Lab File: BG057517.D

Acq: 23 May 2023 13:14

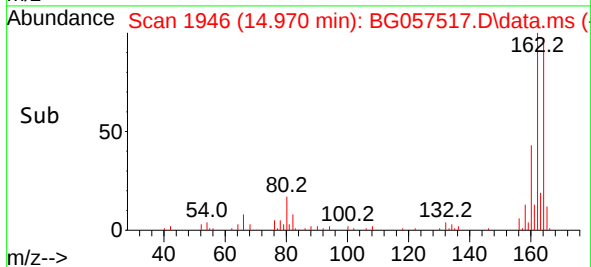
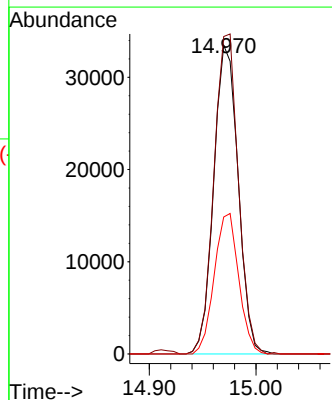
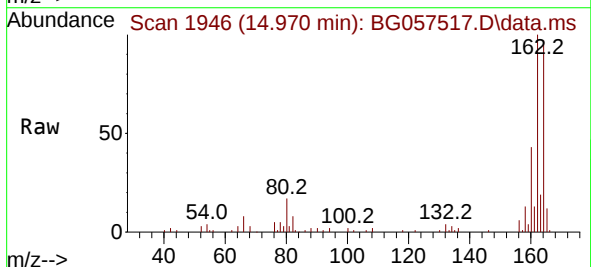
Tgt Ion:164 Resp: 53145

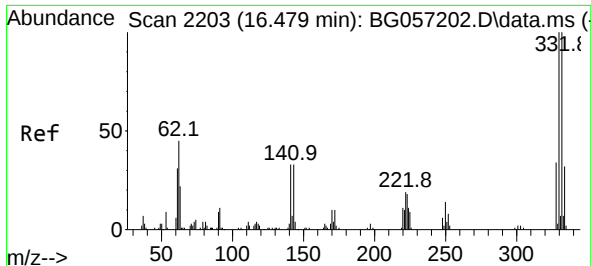
Ion Ratio Lower Upper

164 100

162 102.8 81.8 122.6

160 44.4 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 130.938 ng

RT: 16.456 min Scan# 2199

Delta R.T. -0.001 min

Lab File: BG057517.D

Acq: 23 May 2023 13:14

Instrument :

BNA_G

ClientSampleId :

TP22

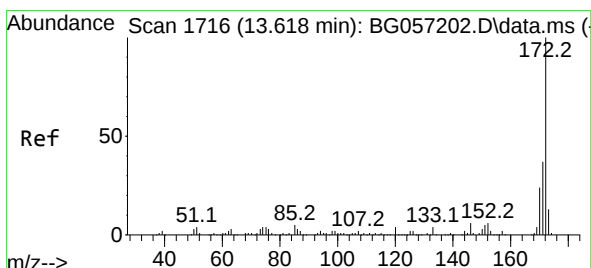
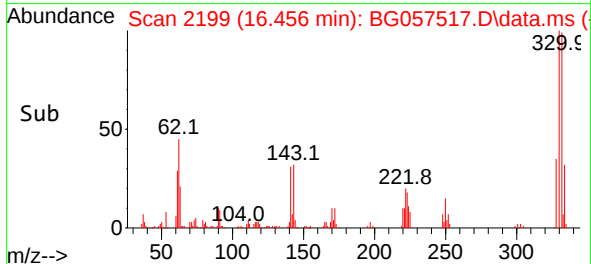
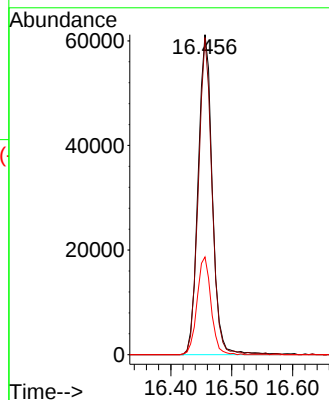
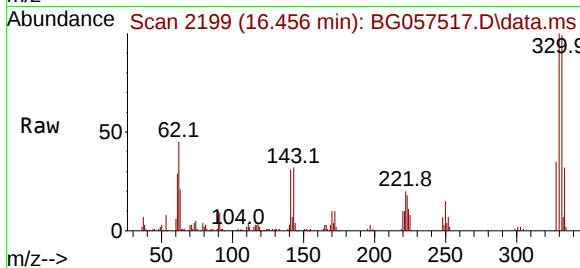
Tgt Ion:330 Resp: 98737

Ion Ratio Lower Upper

330 100

332 95.4 78.2 117.2

141 30.1 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 74.405 ng

RT: 13.595 min Scan# 1712

Delta R.T. -0.006 min

Lab File: BG057517.D

Acq: 23 May 2023 13:14

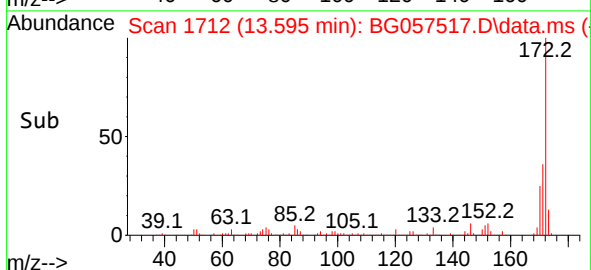
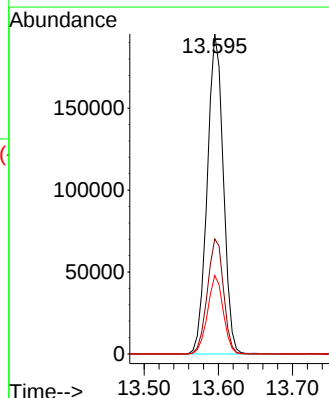
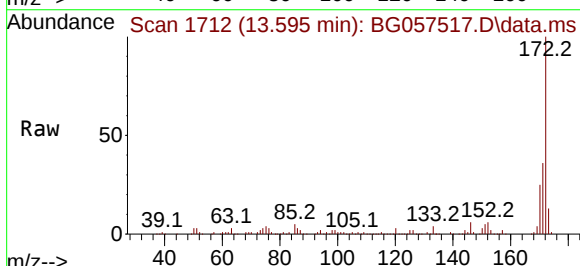
Tgt Ion:172 Resp: 293605

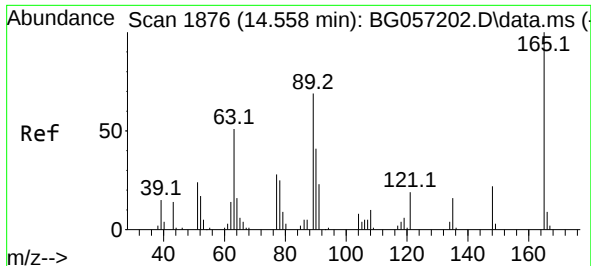
Ion Ratio Lower Upper

172 100

171 35.9 29.4 44.0

170 24.5 19.0 28.6

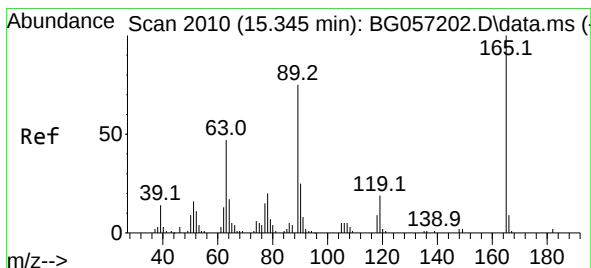
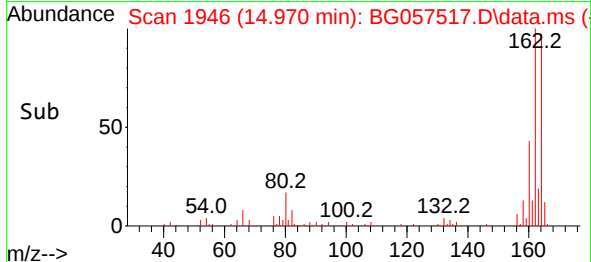
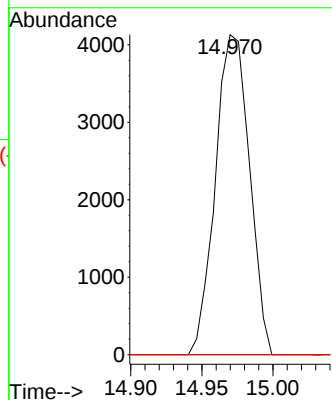
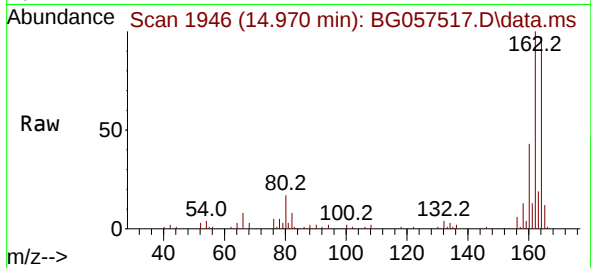




#51
2,6-Dinitrotoluene
Concen: 7.745 ng
RT: 14.970 min Scan# 1946
Delta R.T. 0.428 min
Lab File: BG057517.D
Acq: 23 May 2023 13:14

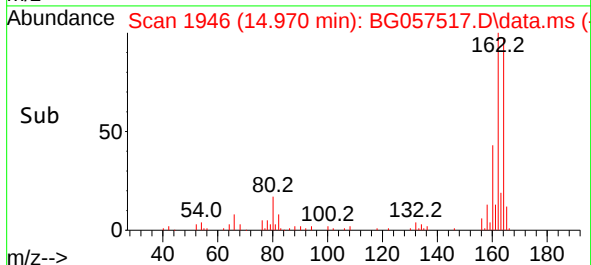
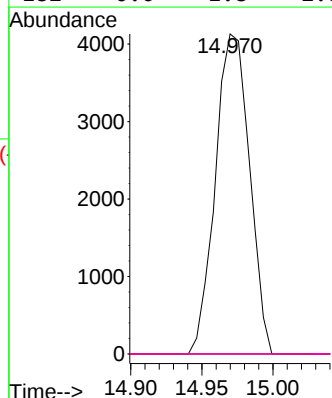
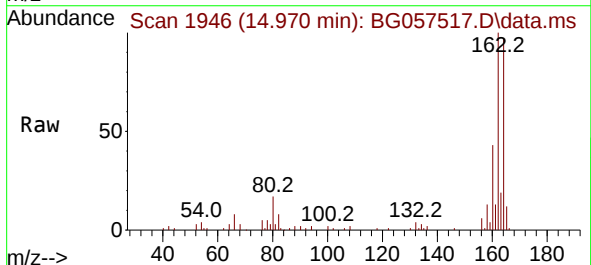
Instrument :
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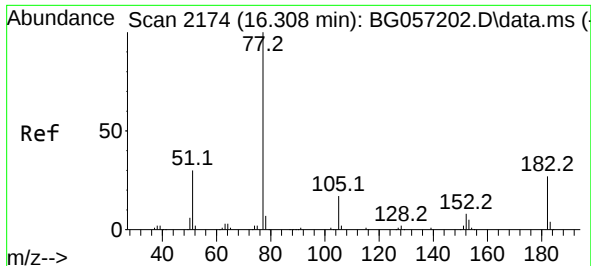
Tgt Ion:165 Resp: 6906
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.419 ng
RT: 14.970 min Scan# 1946
Delta R.T. -0.359 min
Lab File: BG057517.D
Acq: 23 May 2023 13:14

Tgt Ion:165 Resp: 6906
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#

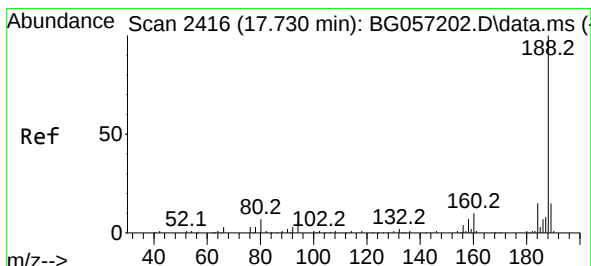
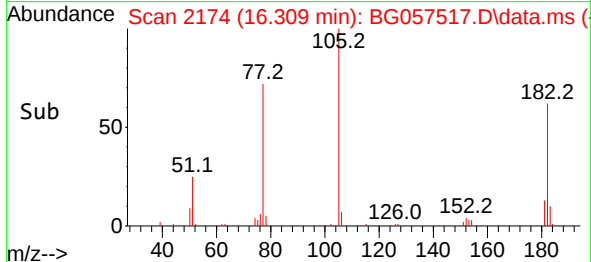
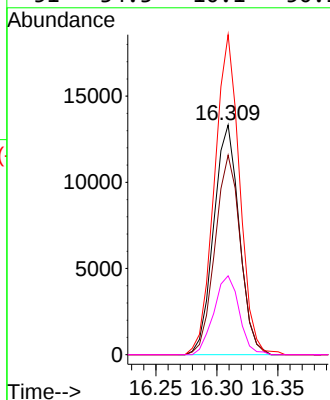
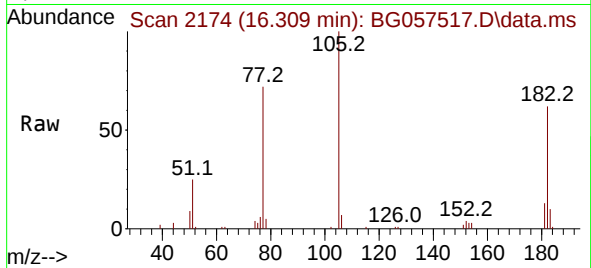




#63
 Azobenzene
 Concen: 4.541 ng
 RT: 16.309 min Scan# 2174
 Delta R.T. 0.023 min
 Lab File: BG057517.D
 Acq: 23 May 2023 13:14

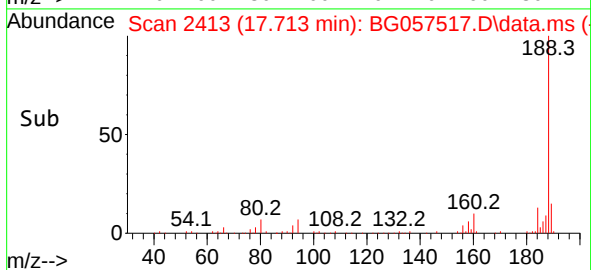
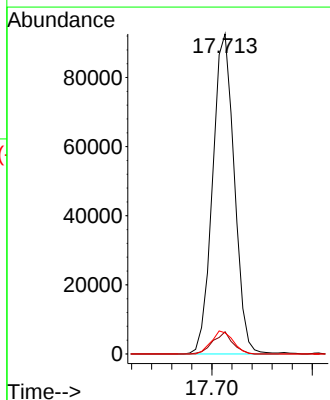
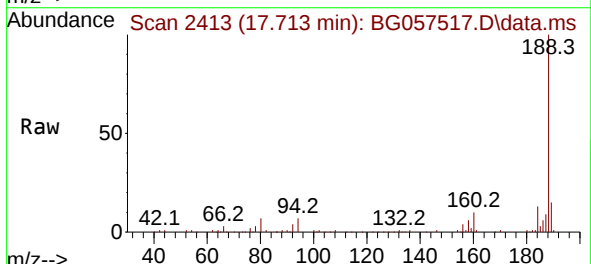
Instrument :
 BNA_G
 ClientSampleId :
 TP22

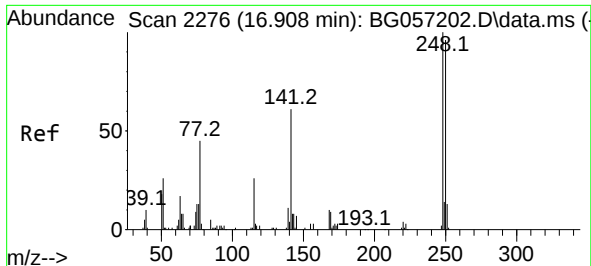
Tgt Ion: 77 Resp: 19432
 Ion Ratio Lower Upper
 77 100
 182 86.9 7.4 47.4#
 105 139.3 0.0 37.2#
 51 34.3 10.1 50.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.713 min Scan# 2413
 Delta R.T. -0.001 min
 Lab File: BG057517.D
 Acq: 23 May 2023 13:14

Tgt Ion:188 Resp: 138663
 Ion Ratio Lower Upper
 188 100
 94 6.9 5.1 7.7
 80 6.6 5.7 8.5

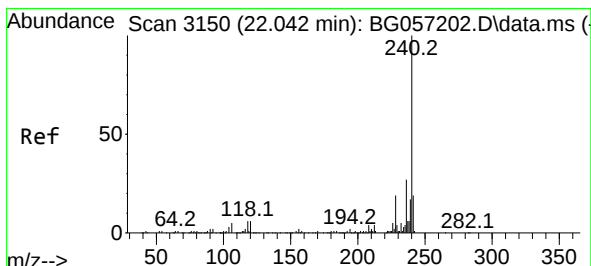
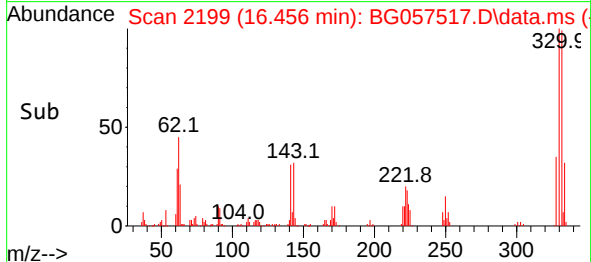
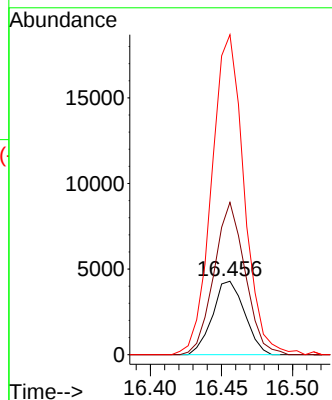
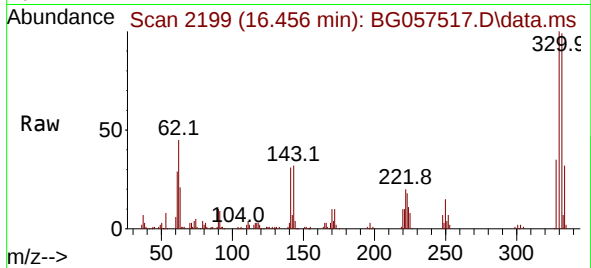




#67
4-Bromophenyl-phenylether
Concen: 3.979 ng
RT: 16.456 min Scan# 2119
Delta R.T. -0.429 min
Lab File: BG057517.D
Acq: 23 May 2023 13:14

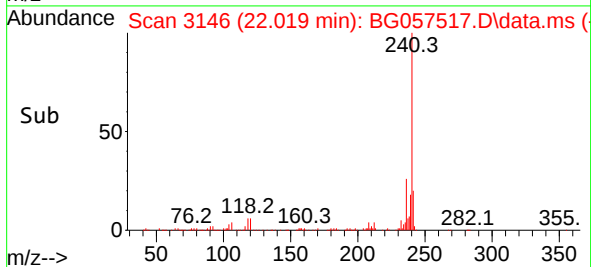
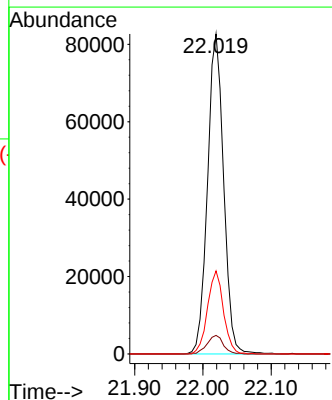
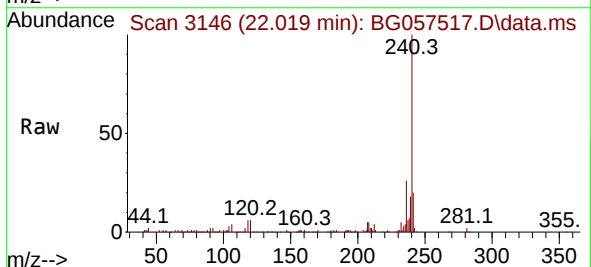
Instrument :
BNA_G
ClientSampleId :
TP22

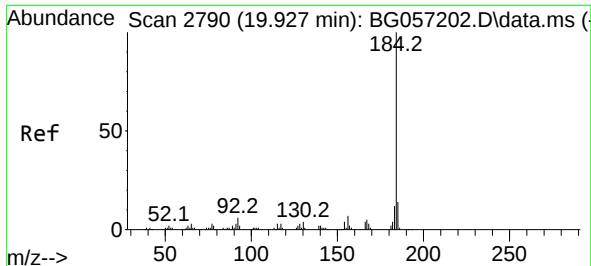
Tgt Ion:248 Resp: 6736
Ion Ratio Lower Upper
248 100
250 207.7 77.0 115.6#
141 436.1 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.019 min Scan# 3146
Delta R.T. -0.001 min
Lab File: BG057517.D
Acq: 23 May 2023 13:14

Tgt Ion:240 Resp: 135856
Ion Ratio Lower Upper
240 100
120 5.8 4.9 7.3
236 26.0 21.4 32.2

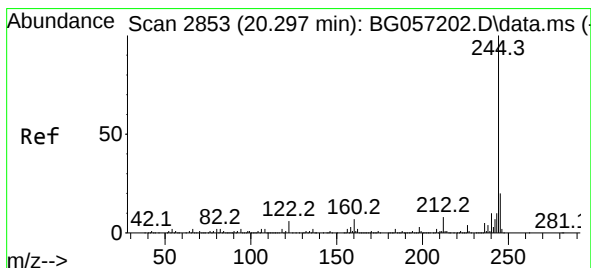
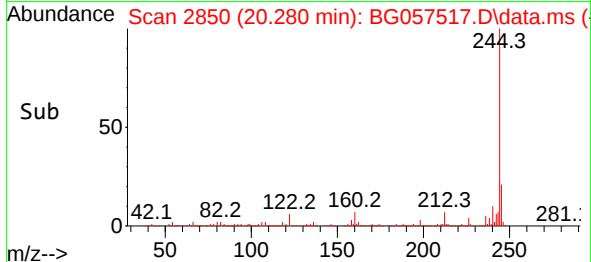
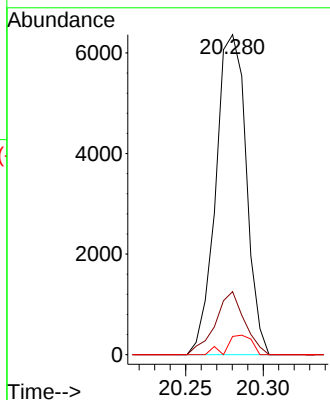
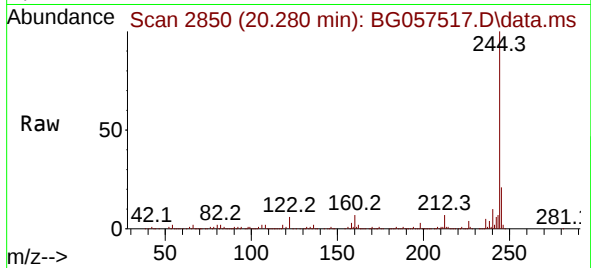




#77
Benzidine
Concen: 2.855 ng
RT: 20.280 min Scan# 2850
Delta R.T. 0.370 min
Lab File: BG057517.D
Acq: 23 May 2023 13:14

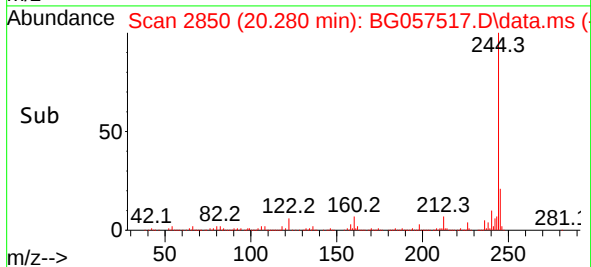
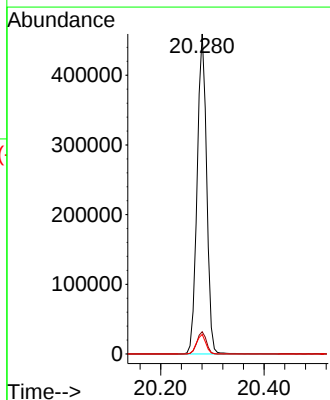
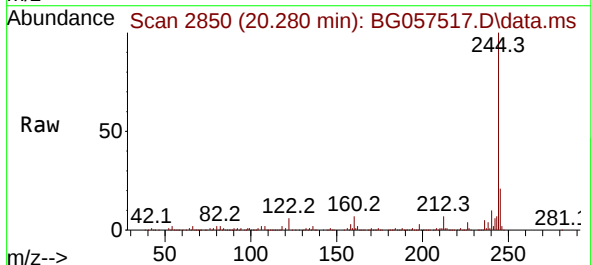
Instrument :
BNA_G
ClientSampleId :
TP22

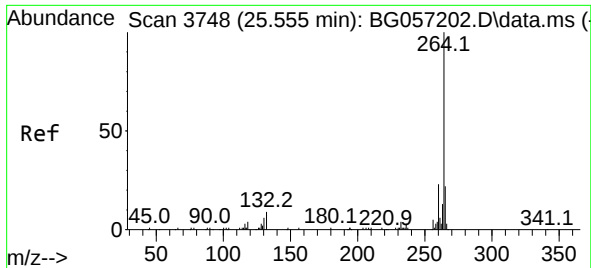
Tgt Ion:184 Resp: 8670
Ion Ratio Lower Upper
184 100
185 19.7 11.1 16.7#
183 5.7 9.9 14.9#



#79
Terphenyl-d14
Concen: 70.242 ng
RT: 20.280 min Scan# 2850
Delta R.T. -0.001 min
Lab File: BG057517.D
Acq: 23 May 2023 13:14

Tgt Ion:244 Resp: 584757
Ion Ratio Lower Upper
244 100
212 6.9 6.1 9.1
122 6.1 5.1 7.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.520 min Scan# 31
 Delta R.T. 0.005 min
 Lab File: BG057517.D
 Acq: 23 May 2023 13:14

Instrument :
 BNA_G
 ClientSampleId :
 TP22

Tgt Ion:264 Resp: 143970
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.8 28.2
 265 21.6 17.9 26.9

