

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
 Data File : BG057516.D
 Acq On : 23 May 2023 12:34
 Operator : CG/JU
 Sample : 02870-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP20

Quant Time: May 23 13:14:42 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)

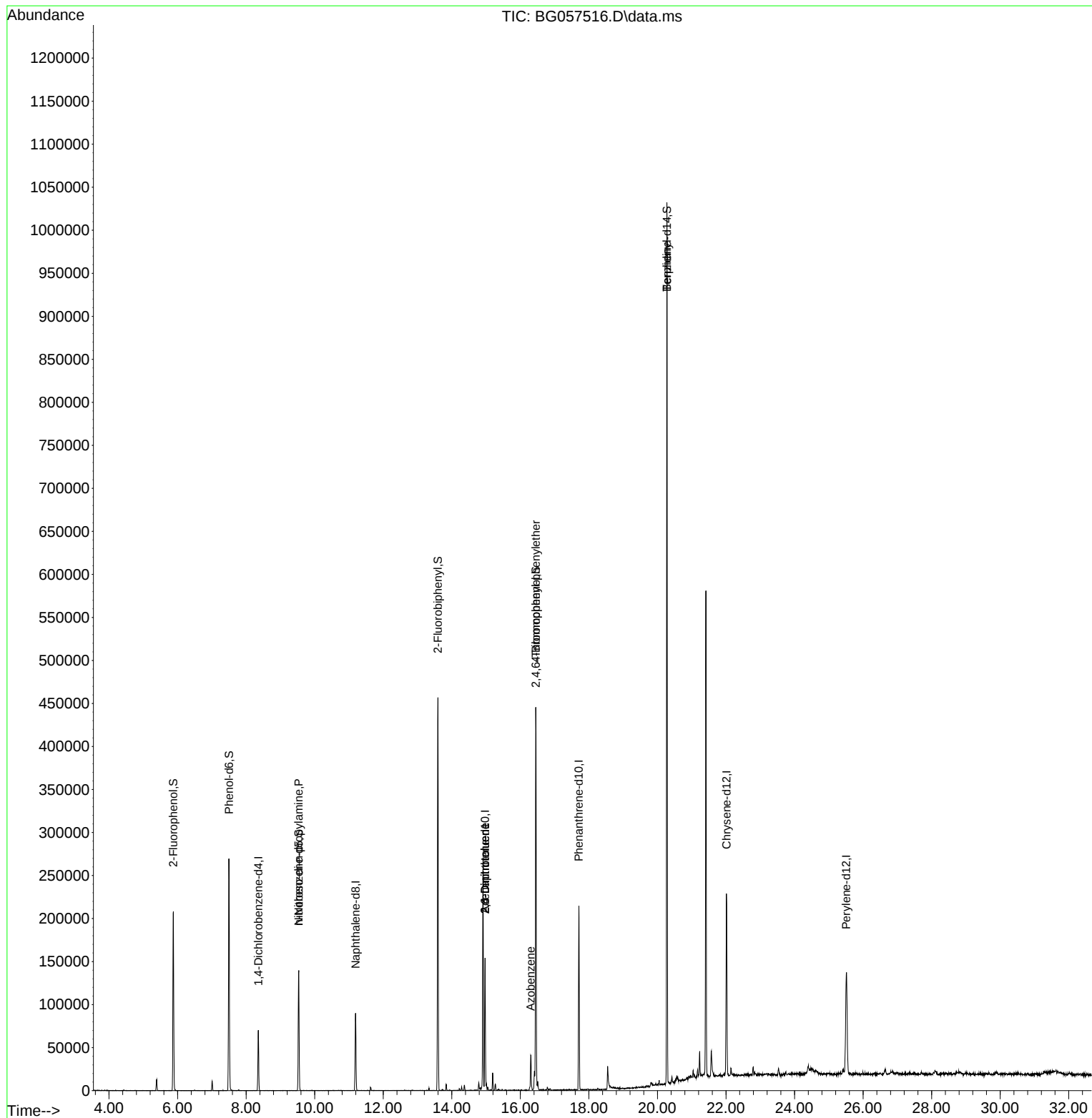
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	20649	20.000	ng	0.00
21) Naphthalene-d8	11.192	136	77511	20.000	ng	0.00
39) Acenaphthene-d10	14.969	164	54372	20.000	ng	0.00
64) Phenanthrene-d10	17.707	188	142003	20.000	ng	0.00
76) Chrysene-d12	22.013	240	139338	20.000	ng	0.00
86) Perylene-d12	25.508	264	149928	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	97034	80.385	ng	0.00
7) Phenol-d6	7.497	99	164527	89.756	ng	0.00
23) Nitrobenzene-d5	9.535	82	92408	50.037	ng	0.00
42) 2,4,6-Tribromophenol	16.455	330	93573	121.290	ng	0.00
45) 2-Fluorobiphenyl	13.595	172	246297	61.008	ng	0.00
79) Terphenyl-d14	20.274	244	536707	62.859	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.491	77	706	Below Cal	#	24
19) n-Nitroso-di-n-propyla...	9.535	70	12435	8.897	ng	# 77
51) 2,6-Dinitrotoluene	14.969	165	7128	7.814	ng	# 17
57) 2,4-Dinitrotoluene	14.969	165	7128	5.467	ng	# 20
63) Azobenzene	16.303	77	12981	2.965	ng	# 1
67) 4-Bromophenyl-phenylether	16.450	248	6502	3.751	ng	# 1
77) Benzidine	20.274	184	8007	2.570	ng	# 94

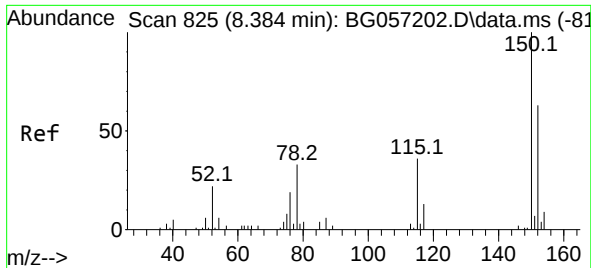
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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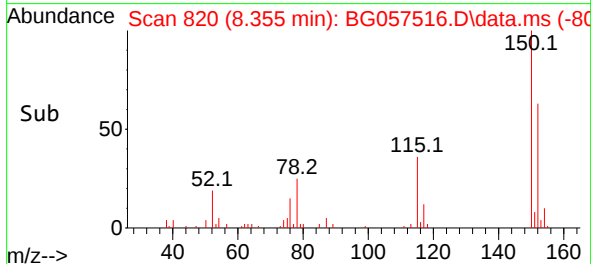
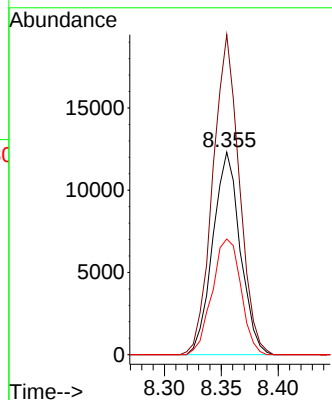
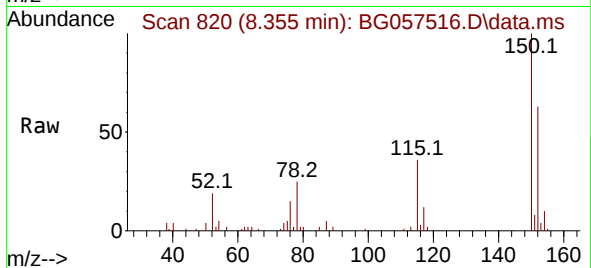




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057516.D
Acq: 23 May 2023 12:34

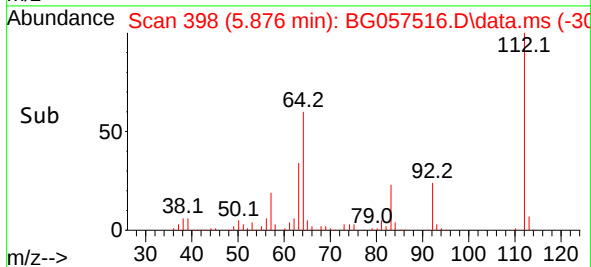
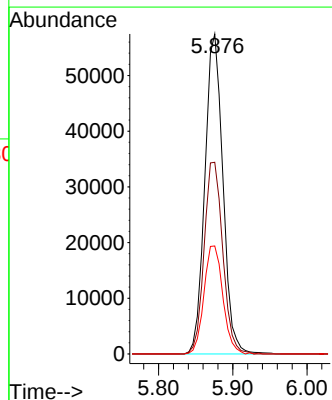
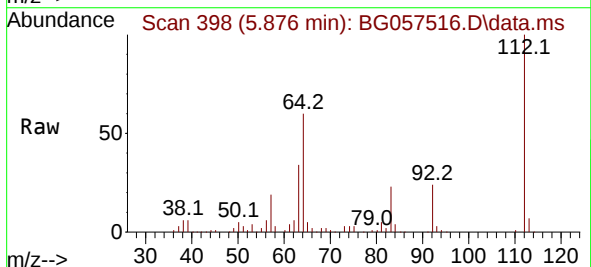
Instrument :
BNA_G
ClientSampleId :
TP20

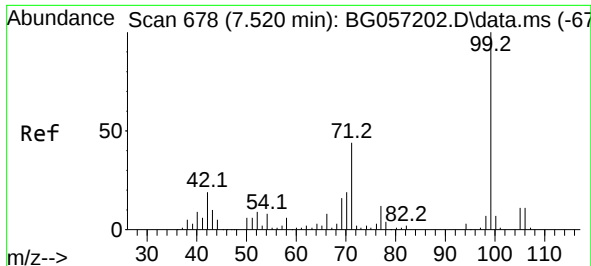
Tgt Ion:152 Resp: 20649
Ion Ratio Lower Upper
152 100
150 157.9 126.2 189.4
115 57.1 45.0 67.4



#5
2-Fluorophenol
Concen: 80.385 ng
RT: 5.876 min Scan# 398
Delta R.T. 0.005 min
Lab File: BG057516.D
Acq: 23 May 2023 12:34

Tgt Ion:112 Resp: 97034
Ion Ratio Lower Upper
112 100
64 59.9 49.4 74.2
63 33.7 31.6 47.4

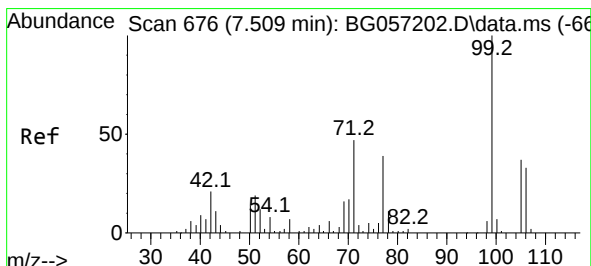
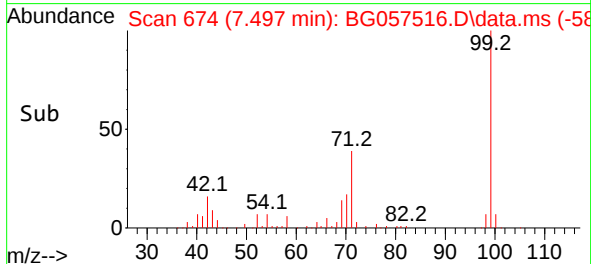
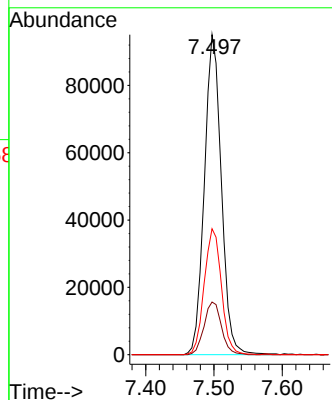
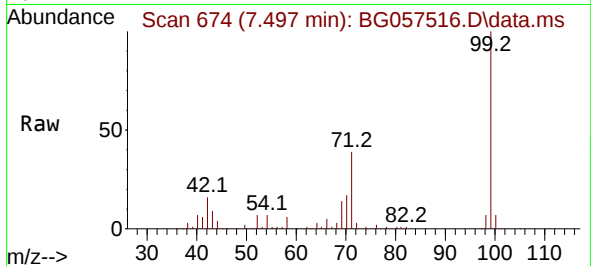




#7
Phenol-d6
Concen: 89.756 ng
RT: 7.497 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG057516.D
Acq: 23 May 2023 12:34

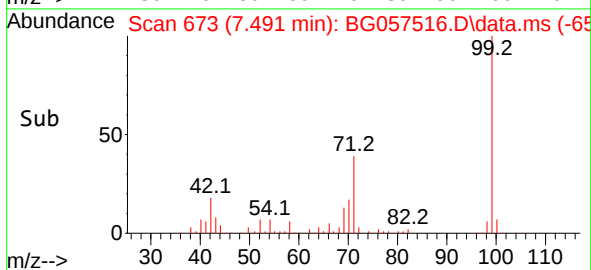
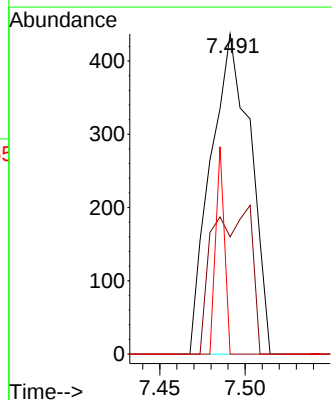
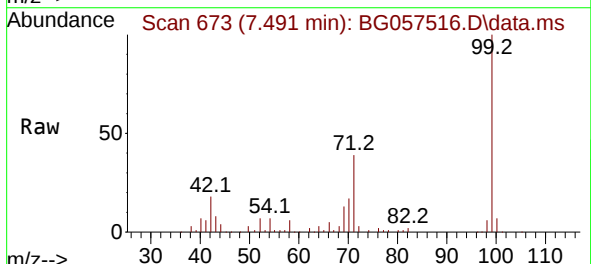
Instrument :
BNA_G
ClientSampleId :
TP20

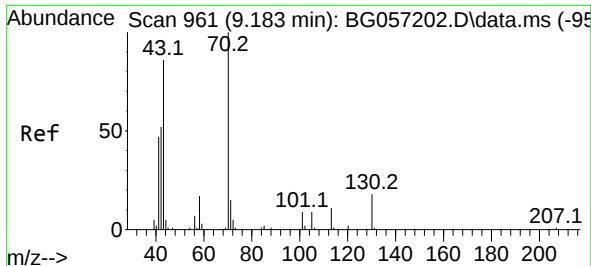
Tgt Ion: 99 Resp: 164527
Ion Ratio Lower Upper
99 100
42 16.5 15.1 22.7
71 39.4 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.491 min Scan# 673
Delta R.T. 0.005 min
Lab File: BG057516.D
Acq: 23 May 2023 12:34

Tgt Ion: 77 Resp: 706
Ion Ratio Lower Upper
77 100
105 36.6 74.6 114.6#
106 0.0 66.3 106.3#

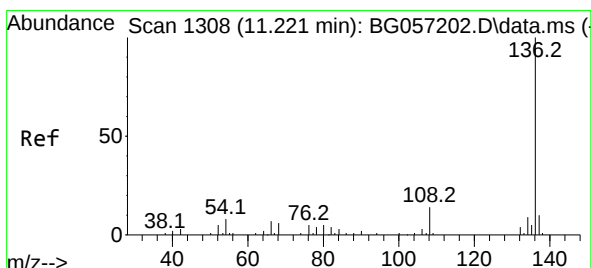
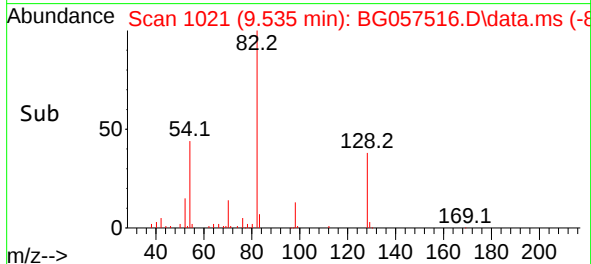
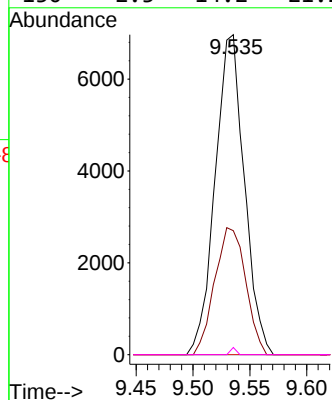
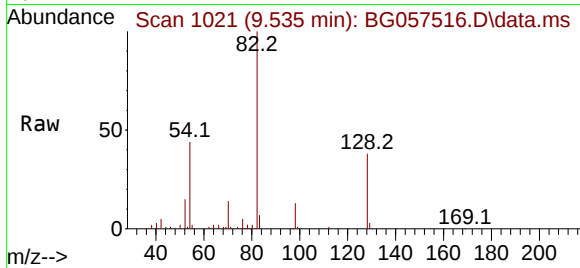




#19
n-Nitroso-di-n-propylamine
Concen: 8.897 ng
RT: 9.535 min Scan# 1021
Delta R.T. 0.375 min
Lab File: BG057516.D
Acq: 23 May 2023 12:34

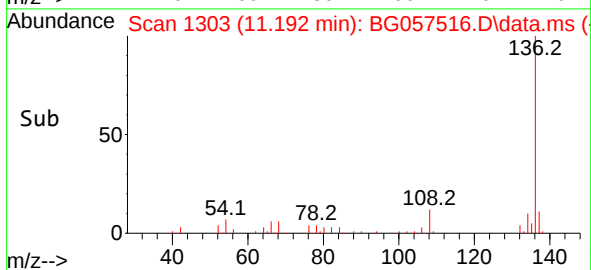
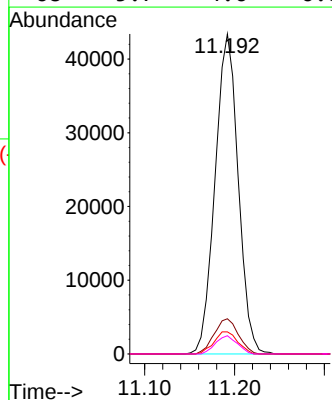
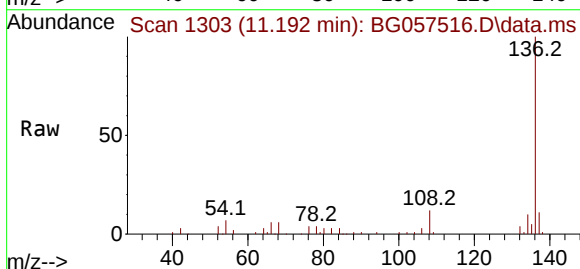
Instrument :
BNA_G
ClientSampleId :
TP20

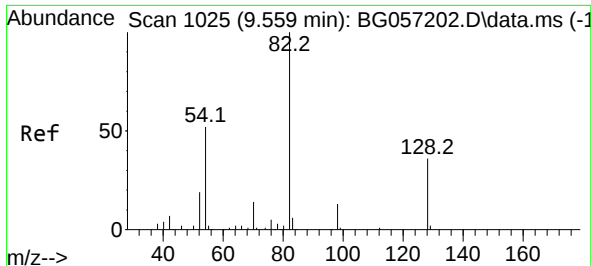
Tgt Ion: 70 Resp: 12435
Ion Ratio Lower Upper
70 100
42 38.7 41.8 62.8#
101 0.0 6.8 10.2#
130 2.3 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.192 min Scan# 1303
Delta R.T. -0.007 min
Lab File: BG057516.D
Acq: 23 May 2023 12:34

Tgt Ion: 136 Resp: 77511
Ion Ratio Lower Upper
136 100
137 11.0 8.3 12.5
54 6.9 6.7 10.1
68 5.7 4.6 6.8





#23

Nitrobenzene-d5

Concen: 50.037 ng

RT: 9.535 min Scan# 1021

Delta R.T. -0.001 min

Lab File: BG057516.D

Acq: 23 May 2023 12:34

Instrument :

BNA_G

ClientSampleId :

TP20

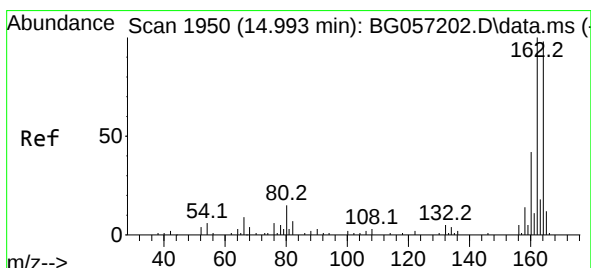
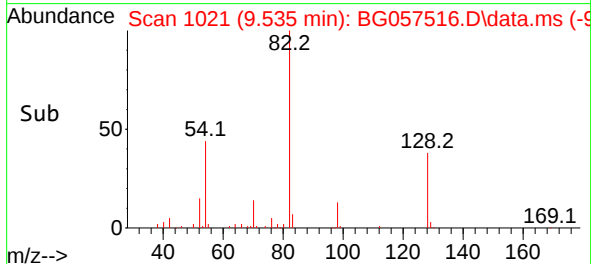
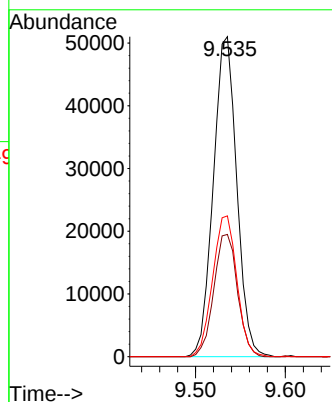
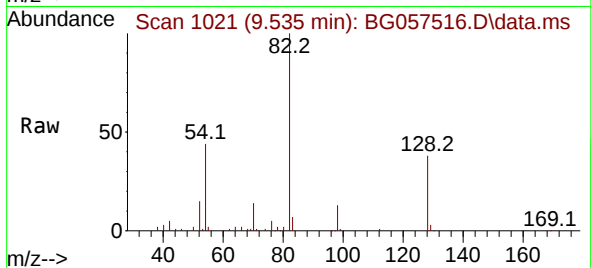
Tgt Ion: 82 Resp: 92408

Ion Ratio Lower Upper

82 100

128 38.2 29.0 43.4

54 44.0 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.969 min Scan# 1946

Delta R.T. -0.007 min

Lab File: BG057516.D

Acq: 23 May 2023 12:34

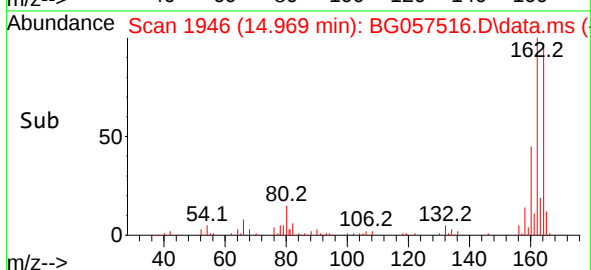
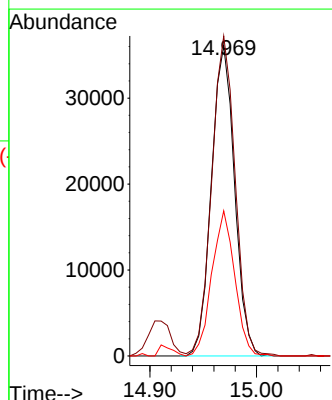
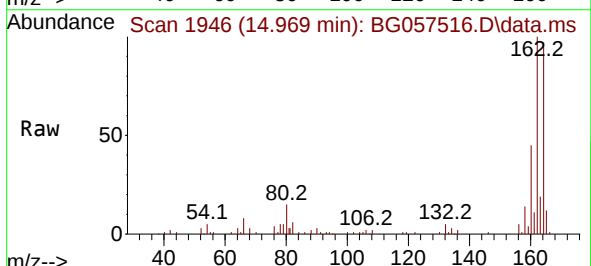
Tgt Ion:164 Resp: 54372

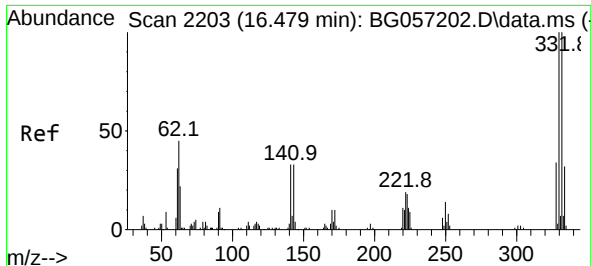
Ion Ratio Lower Upper

164 100

162 103.1 81.8 122.6

160 46.7 34.6 52.0

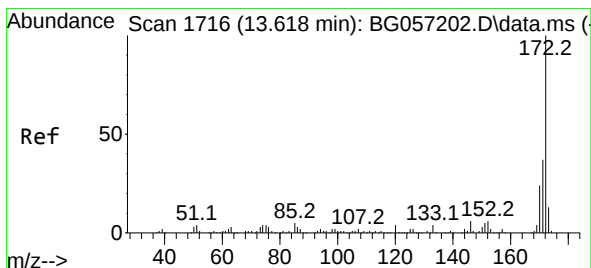
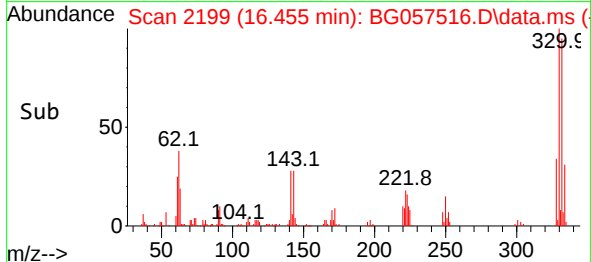
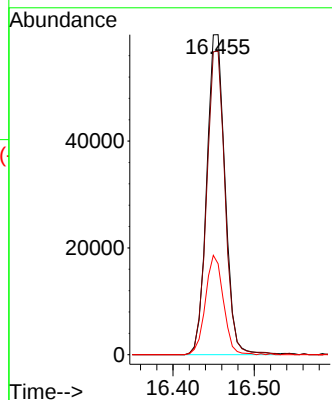
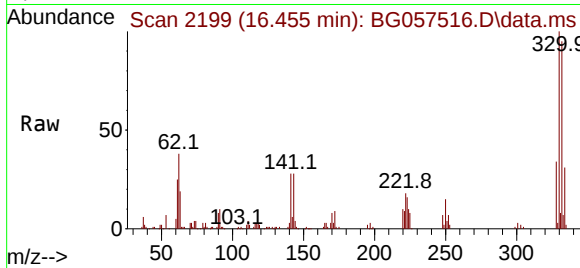




#42
2,4,6-Tribromophenol
Concen: 121.290 ng
RT: 16.455 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG057516.D
Acq: 23 May 2023 12:34

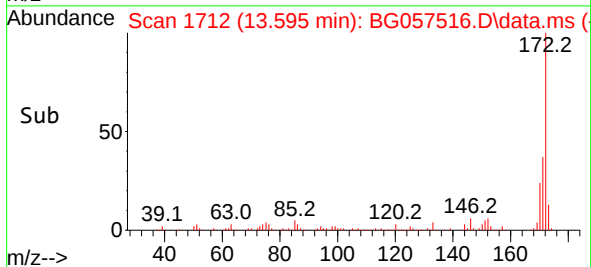
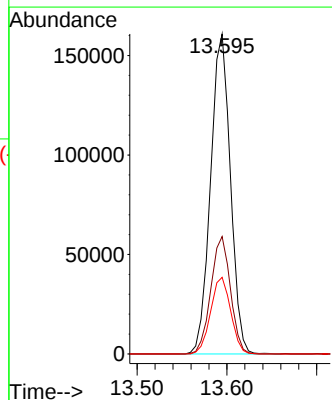
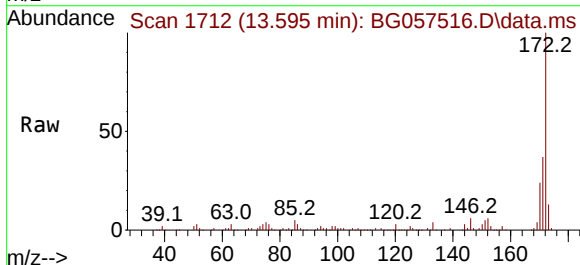
Instrument :
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ClientSampleId :
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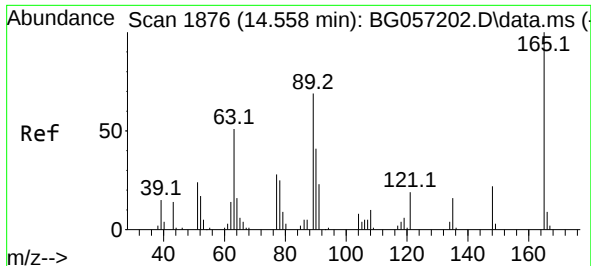
Tgt Ion:330 Resp: 93573
Ion Ratio Lower Upper
330 100
332 95.1 78.2 117.2
141 30.5 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 61.008 ng
RT: 13.595 min Scan# 1712
Delta R.T. -0.007 min
Lab File: BG057516.D
Acq: 23 May 2023 12:34

Tgt Ion:172 Resp: 246297
Ion Ratio Lower Upper
172 100
171 36.7 29.4 44.0
170 23.9 19.0 28.6

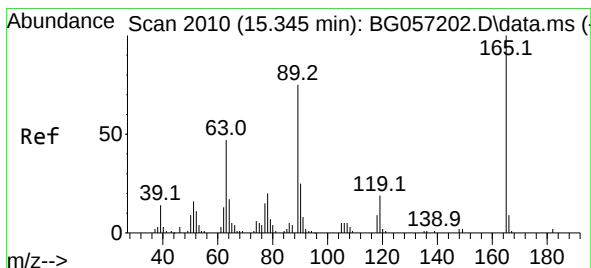
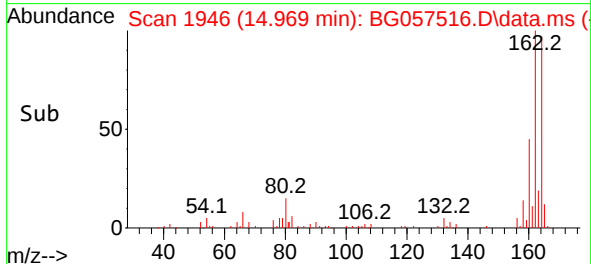
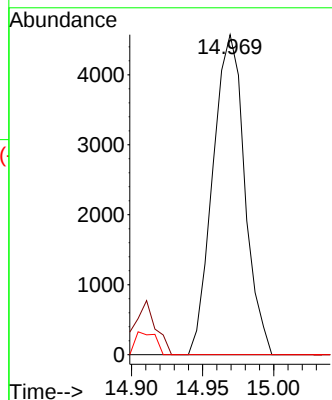
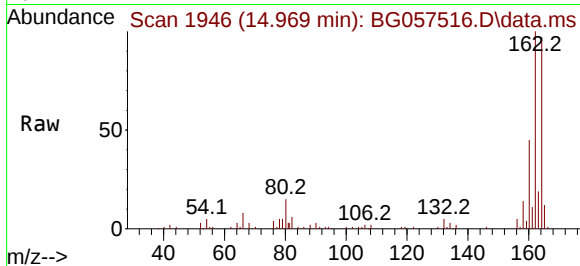




#51
2,6-Dinitrotoluene
Concen: 7.814 ng
RT: 14.969 min Scan# 1946
Delta R.T. 0.428 min
Lab File: BG057516.D
Acq: 23 May 2023 12:34

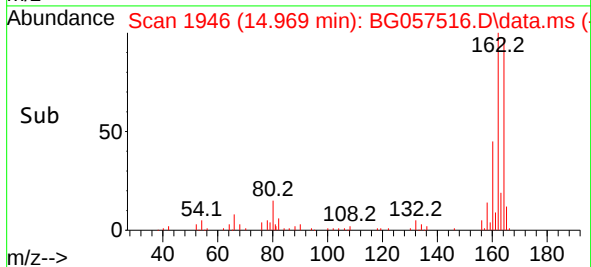
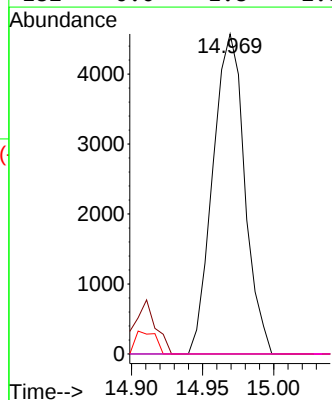
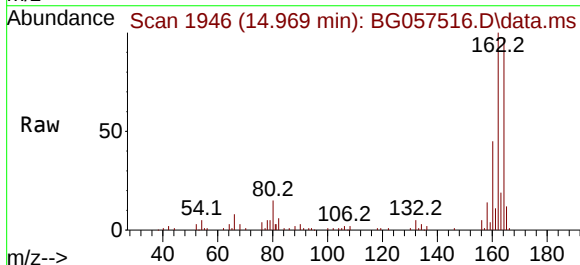
Instrument :
BNA_G
ClientSampleId :
TP20

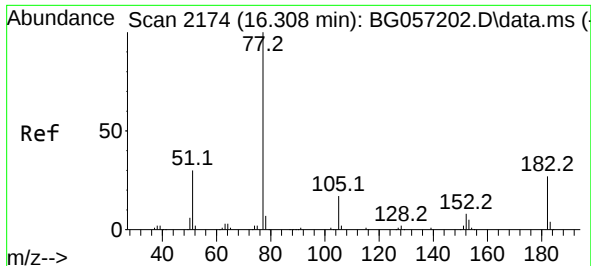
Tgt Ion:165 Resp: 7128
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.467 ng
RT: 14.969 min Scan# 1946
Delta R.T. -0.359 min
Lab File: BG057516.D
Acq: 23 May 2023 12:34

Tgt Ion:165 Resp: 7128
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#

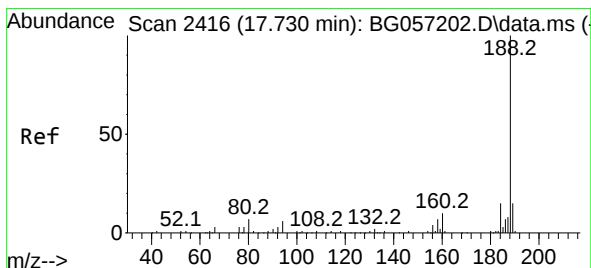
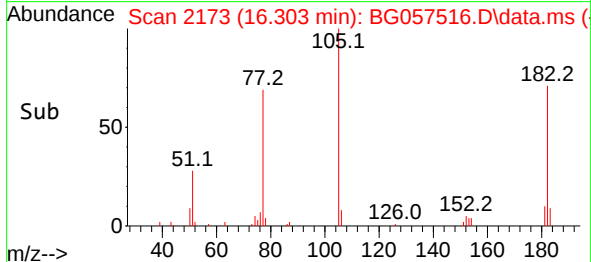
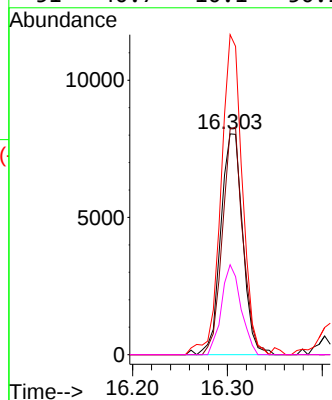
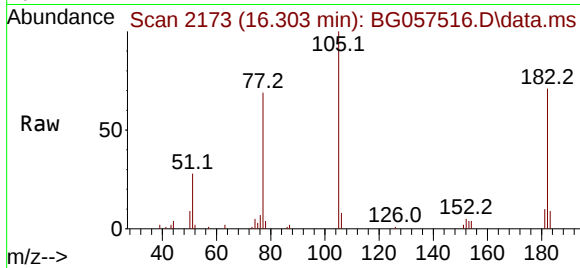




#63
Azobenzene
Concen: 2.965 ng
RT: 16.303 min Scan# 2173
Delta R.T. 0.017 min
Lab File: BG057516.D
Acq: 23 May 2023 12:34

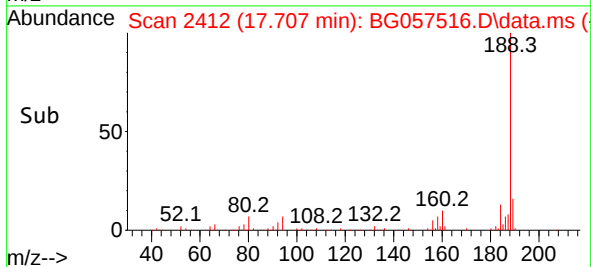
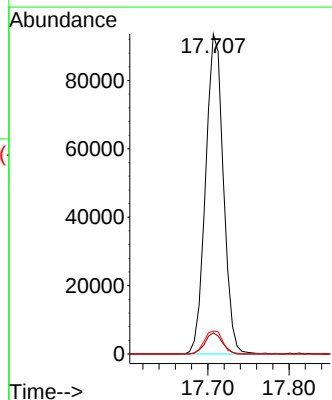
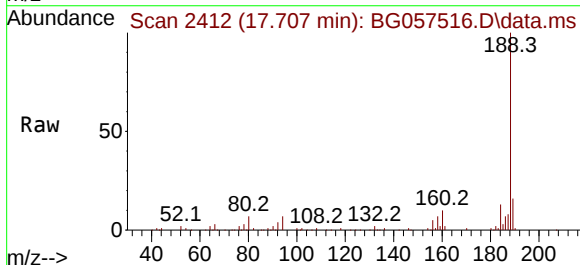
Instrument :
BNA_G
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TP20

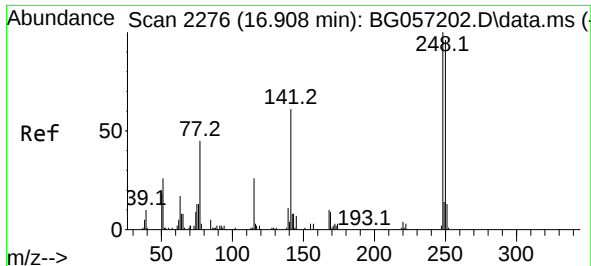
Tgt Ion: 77 Resp: 12981
Ion Ratio Lower Upper
77 100
182 102.3 7.4 47.4#
105 145.0 0.0 37.2#
51 40.7 10.1 50.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.707 min Scan# 2412
Delta R.T. -0.007 min
Lab File: BG057516.D
Acq: 23 May 2023 12:34

Tgt Ion: 188 Resp: 142003
Ion Ratio Lower Upper
188 100
94 6.6 5.1 7.7
80 7.2 5.7 8.5

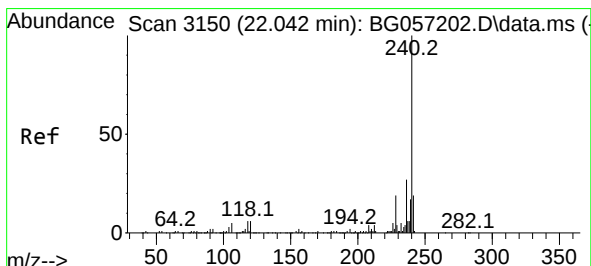
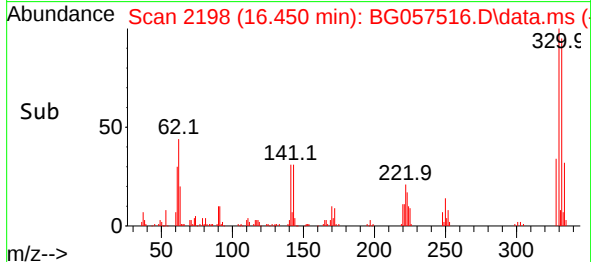
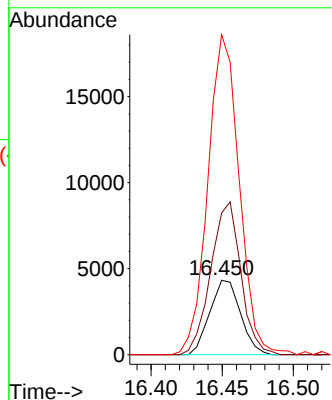
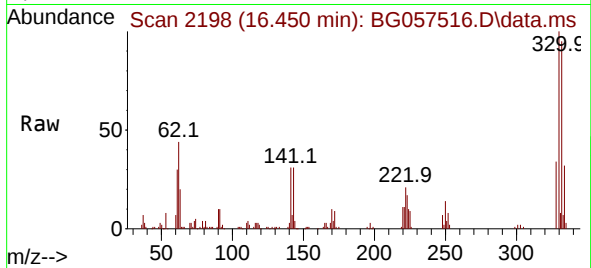




#67
4-Bromophenyl-phenylether
Concen: 3.751 ng
RT: 16.450 min Scan# 21198
Delta R.T. -0.436 min
Lab File: BG057516.D
Acq: 23 May 2023 12:34

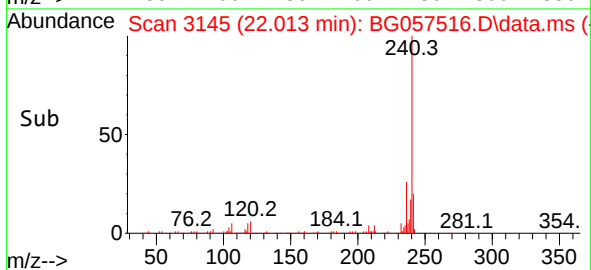
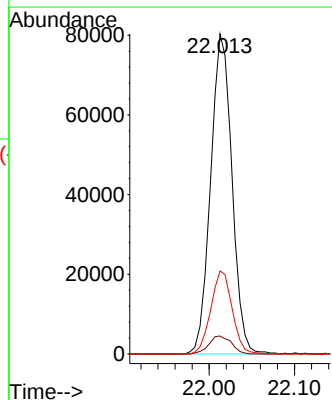
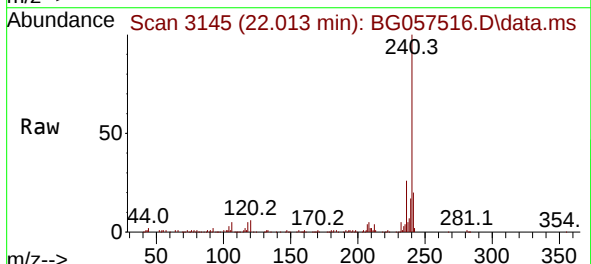
Instrument :
BNA_G
ClientSampleId :
TP20

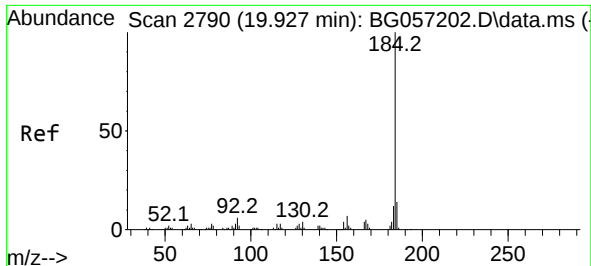
Tgt Ion:248 Resp: 6502
Ion Ratio Lower Upper
248 100
250 190.7 77.0 115.6#
141 430.3 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.013 min Scan# 3145
Delta R.T. -0.007 min
Lab File: BG057516.D
Acq: 23 May 2023 12:34

Tgt Ion:240 Resp: 139338
Ion Ratio Lower Upper
240 100
120 5.6 4.9 7.3
236 25.9 21.4 32.2

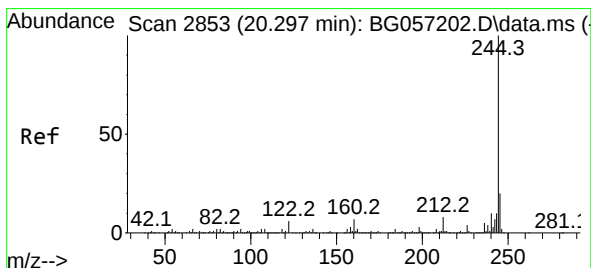
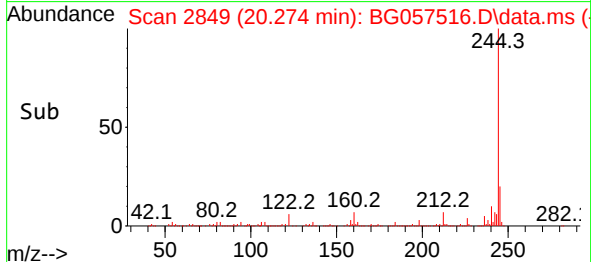
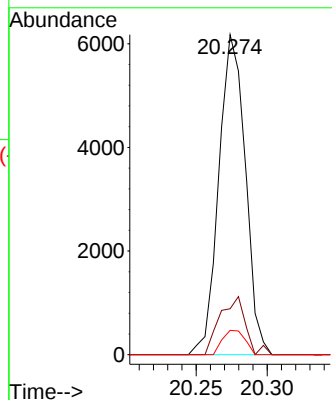
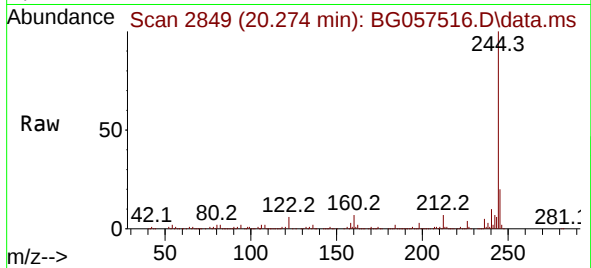




#77
Benzidine
Concen: 2.570 ng
RT: 20.274 min Scan# 2849
Delta R.T. 0.363 min
Lab File: BG057516.D
Acq: 23 May 2023 12:34

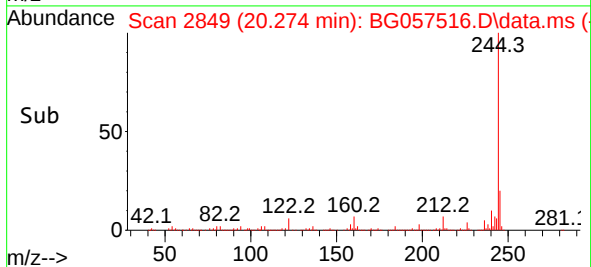
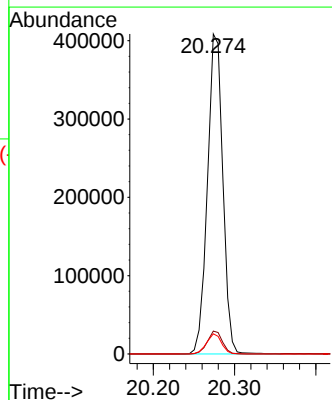
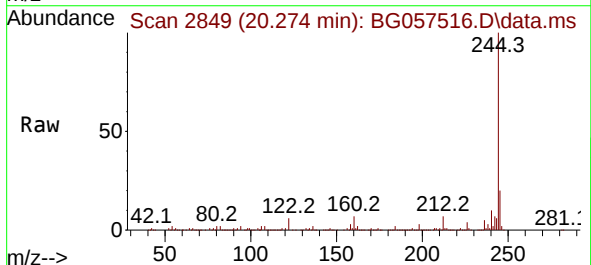
Instrument :
BNA_G
ClientSampleId :
TP20

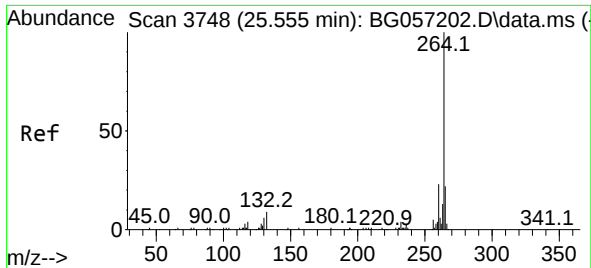
Tgt Ion:184 Resp: 8007
Ion Ratio Lower Upper
184 100
185 14.4 11.1 16.7
183 7.6 9.9 14.9#



#79
Terphenyl-d14
Concen: 62.859 ng
RT: 20.274 min Scan# 2849
Delta R.T. -0.007 min
Lab File: BG057516.D
Acq: 23 May 2023 12:34

Tgt Ion:244 Resp: 536707
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 6.3 5.1 7.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.508 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG057516.D
Acq: 23 May 2023 12:34

Instrument :
BNA_G
ClientSampleId :
TP20

Tgt Ion:264 Resp: 149928

Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.8	28.2
265	21.4	17.9	26.9

