

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
 Data File : BG057515.D
 Acq On : 23 May 2023 11:53
 Operator : CG/JU
 Sample : 02870-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP21

Quant Time: May 23 13:13:25 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)

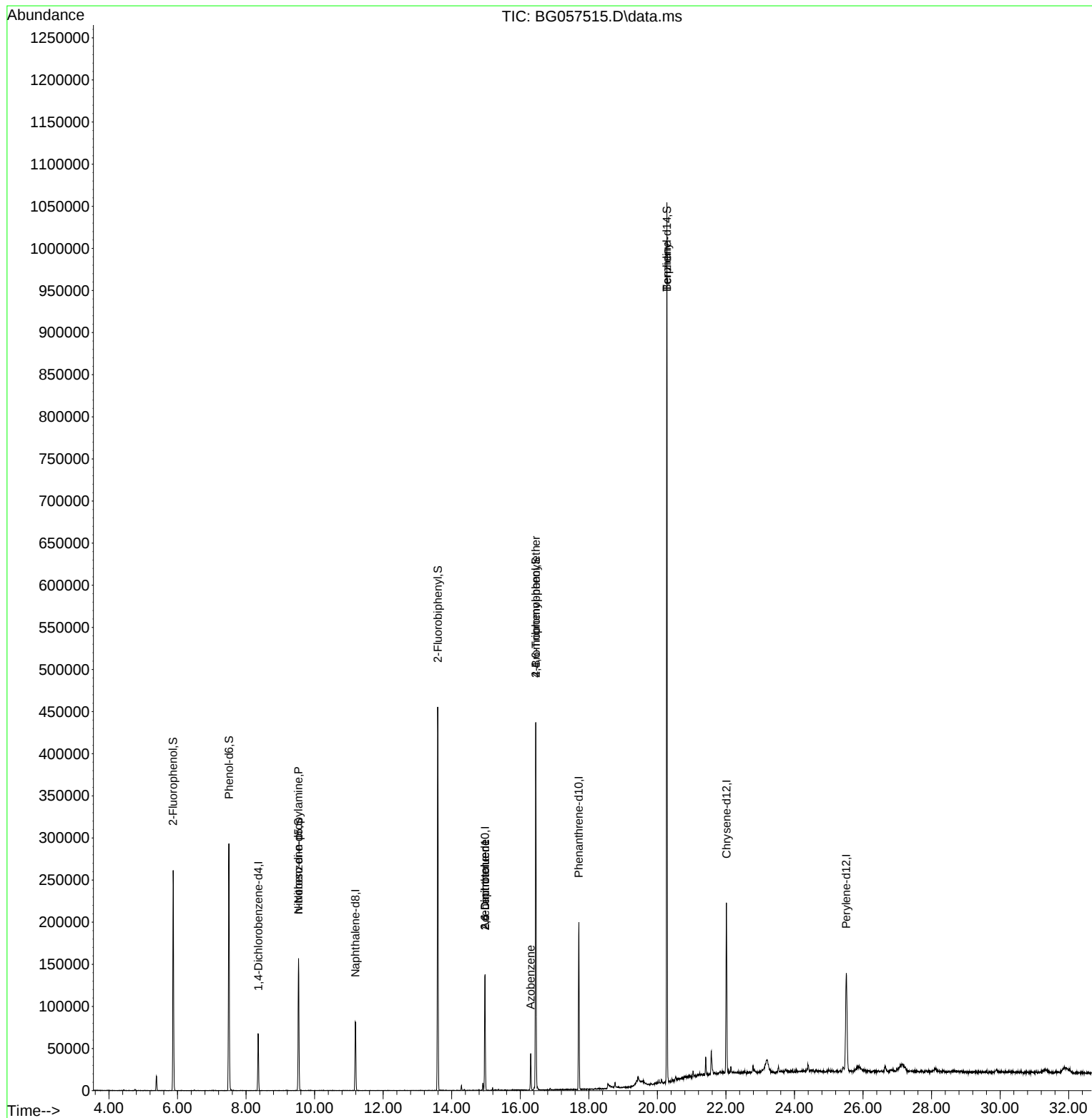
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.358	152	20275	20.000	ng	0.00
21) Naphthalene-d8	11.189	136	73898	20.000	ng	# 0.00
39) Acenaphthene-d10	14.972	164	52939	20.000	ng	0.00
64) Phenanthrene-d10	17.710	188	133389	20.000	ng	0.00
76) Chrysene-d12	22.016	240	133558	20.000	ng	0.00
86) Perylene-d12	25.511	264	142951	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.873	112	115199	97.194	ng	0.00
7) Phenol-d6	7.500	99	176100	97.842	ng	0.00
23) Nitrobenzene-d5	9.532	82	99809	56.687	ng	0.00
42) 2,4,6-Tribromophenol	16.452	330	91259	121.493	ng	0.00
45) 2-Fluorobiphenyl	13.592	172	251350	63.945	ng	0.00
79) Terphenyl-d14	20.277	244	529876	64.745	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.506	77	283	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.532	70	13876	10.111	ng	# 82
51) 2,6-Dinitrotoluene	14.972	165	6823	7.682	ng	# 17
57) 2,4-Dinitrotoluene	14.972	165	6823	5.375	ng	# 20
63) Azobenzene	16.306	77	13070	3.066	ng	# 1
67) 4-Bromophenyl-phenylether	16.452	248	6353	3.902	ng	# 1
77) Benizidine	20.277	184	7701	2.579	ng	# 83

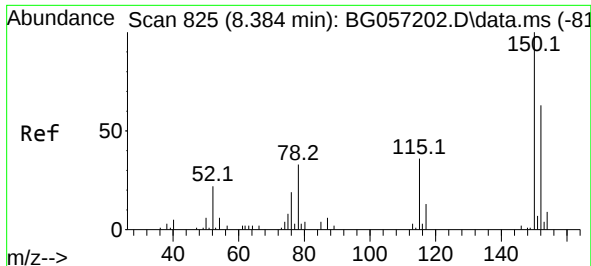
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057515.D
Acq On : 23 May 2023 11:53
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Misc :
ALS Vial : 5 Sample Multiplier: 1

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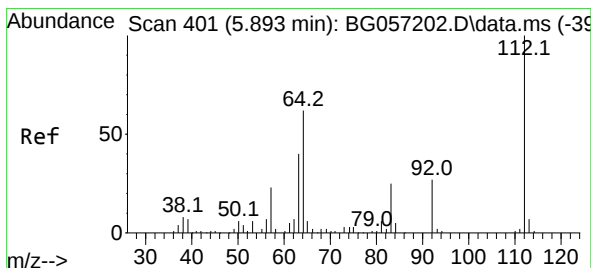
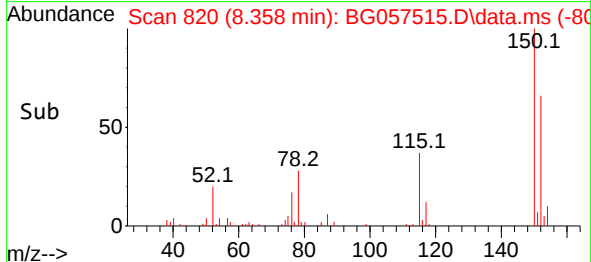
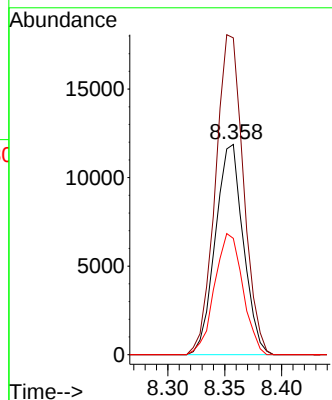
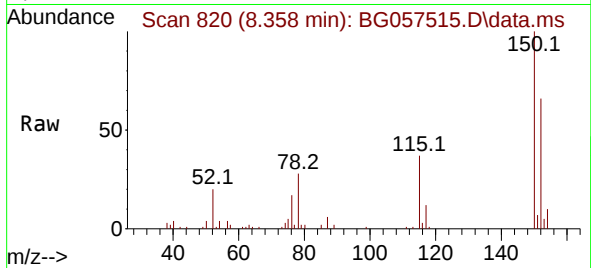




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.358 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG057515.D
Acq: 23 May 2023 11:53

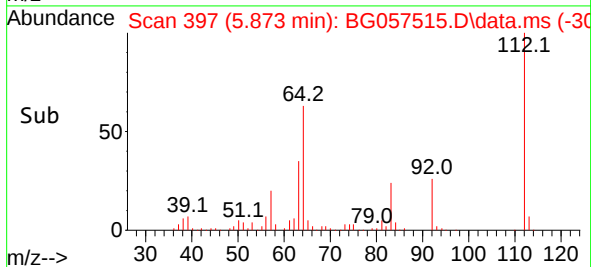
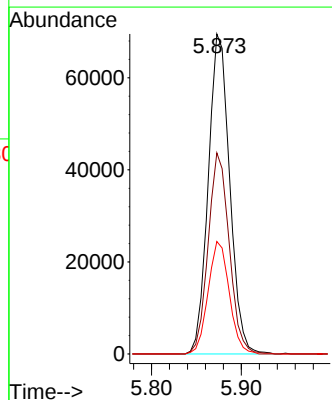
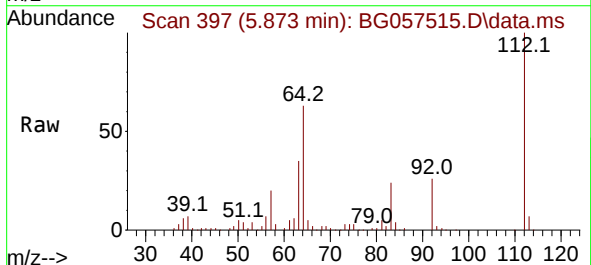
Instrument :
BNA_G
ClientSampleId :
TP21

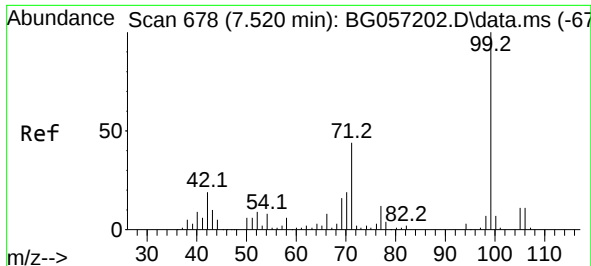
Tgt Ion:152 Resp: 20275
Ion Ratio Lower Upper
152 100
150 150.6 126.2 189.4
115 55.4 45.0 67.4



#5
2-Fluorophenol
Concen: 97.194 ng
RT: 5.873 min Scan# 397
Delta R.T. 0.002 min
Lab File: BG057515.D
Acq: 23 May 2023 11:53

Tgt Ion:112 Resp: 115199
Ion Ratio Lower Upper
112 100
64 62.8 49.4 74.2
63 35.1 31.6 47.4

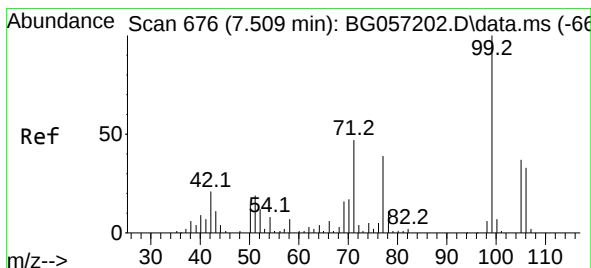
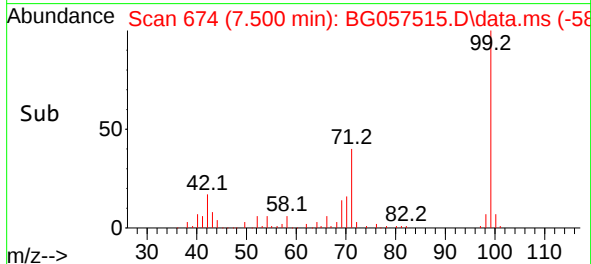
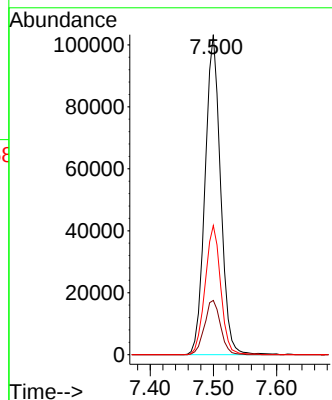
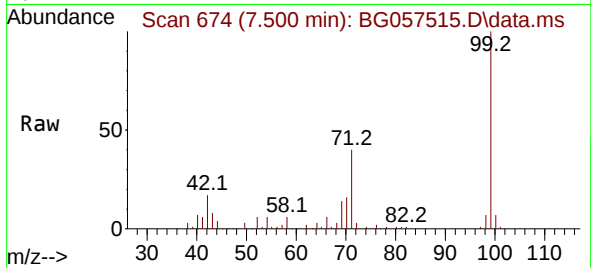




#7
Phenol-d6
Concen: 97.842 ng
RT: 7.500 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG057515.D
Acq: 23 May 2023 11:53

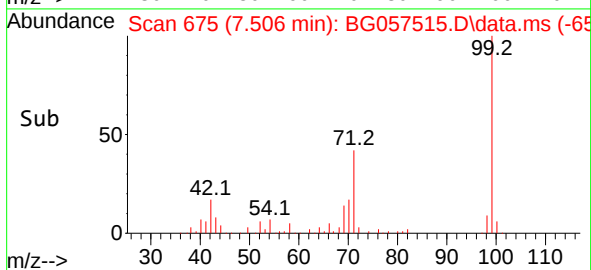
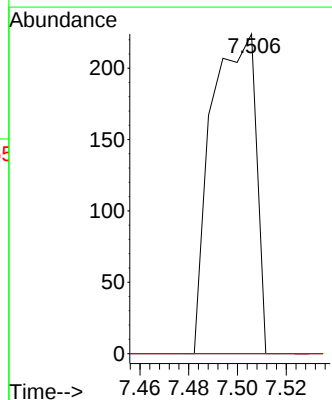
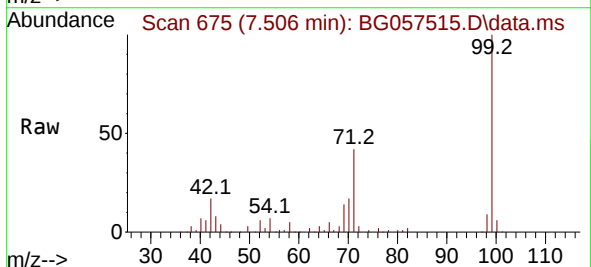
Instrument :
BNA_G
ClientSampleId :
TP21

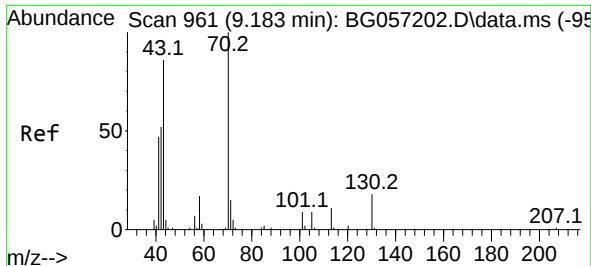
Tgt Ion: 99 Resp: 176100
Ion Ratio Lower Upper
99 100
42 16.9 15.1 22.7
71 40.4 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.506 min Scan# 675
Delta R.T. 0.019 min
Lab File: BG057515.D
Acq: 23 May 2023 11:53

Tgt Ion: 77 Resp: 283
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

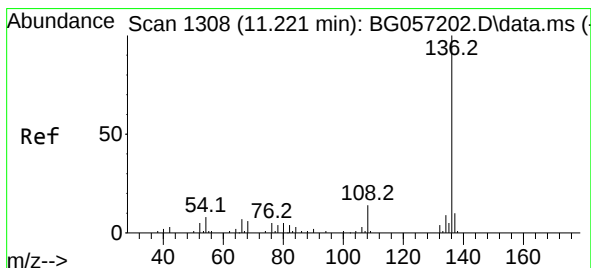
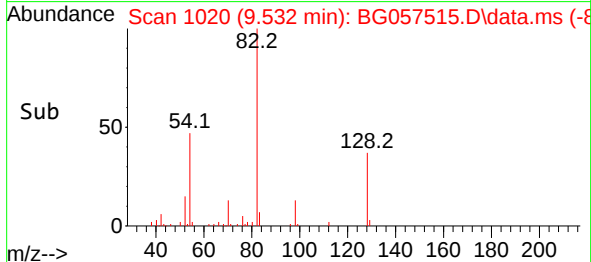
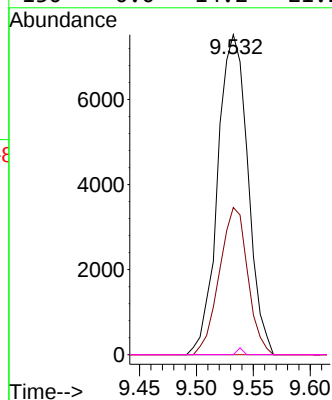
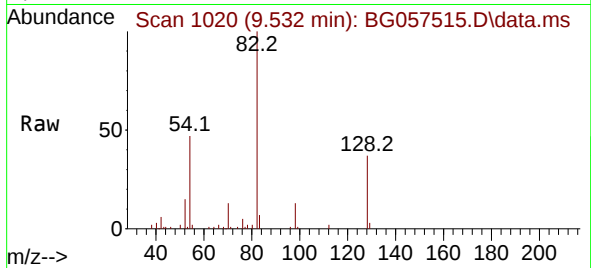




#19
n-Nitroso-di-n-propylamine
Concen: 10.111 ng
RT: 9.532 min Scan# 1020
Delta R.T. 0.372 min
Lab File: BG057515.D
Acq: 23 May 2023 11:53

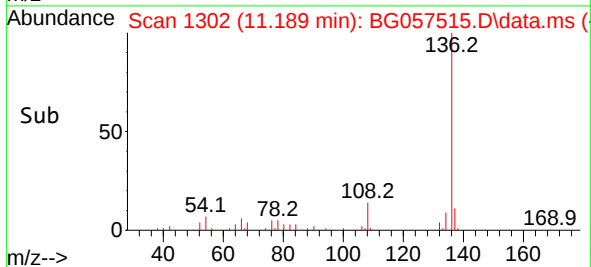
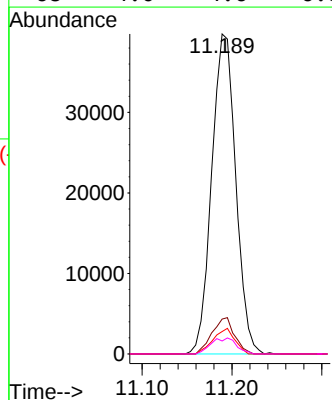
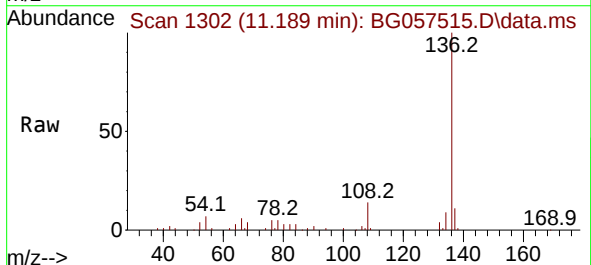
Instrument :
BNA_G
ClientSampleId :
TP21

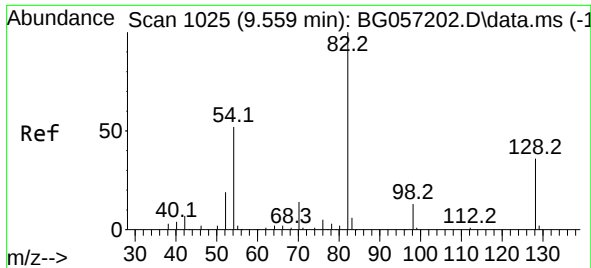
Tgt Ion: 70 Resp: 13876
Ion Ratio Lower Upper
70 100
42 46.0 41.8 62.8
101 0.0 6.8 10.2#
130 0.0 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.189 min Scan# 1302
Delta R.T. -0.010 min
Lab File: BG057515.D
Acq: 23 May 2023 11:53

Tgt Ion:136 Resp: 73898
Ion Ratio Lower Upper
136 100
137 10.9 8.3 12.5
54 7.0 6.7 10.1
68 4.0 4.6 6.8#

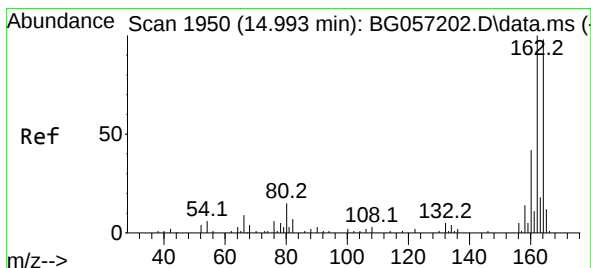
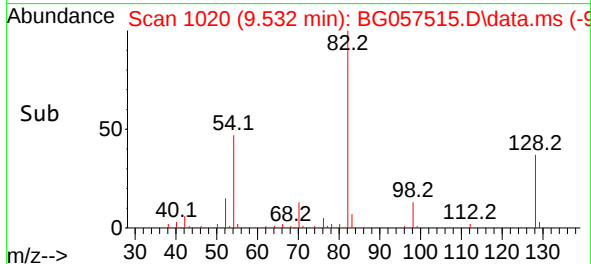
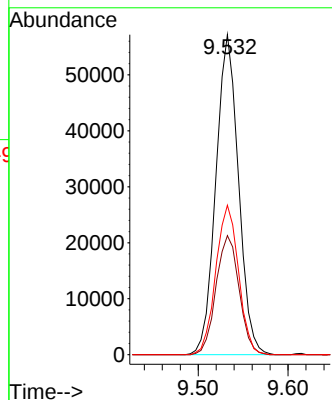
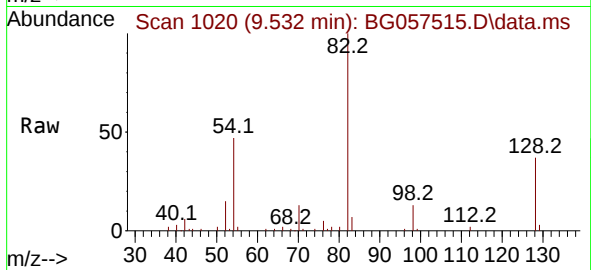




#23
Nitrobenzene-d5
Concen: 56.687 ng
RT: 9.532 min Scan# 1020
Delta R.T. -0.004 min
Lab File: BG057515.D
Acq: 23 May 2023 11:53

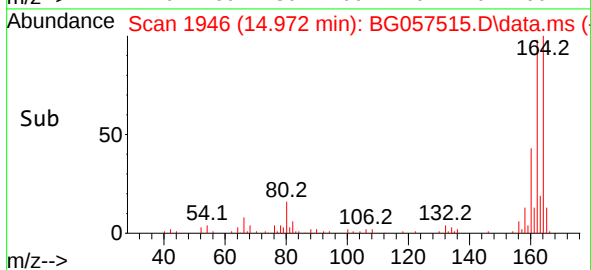
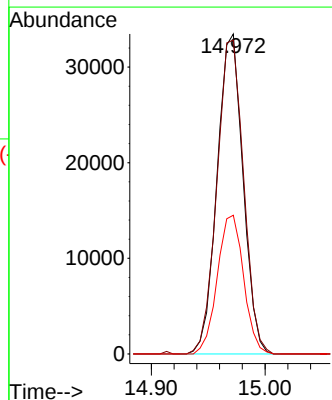
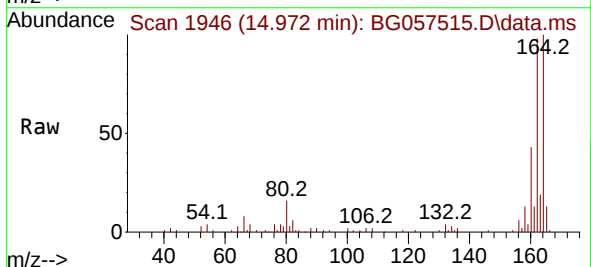
Instrument :
BNA_G
ClientSampleId :
TP21

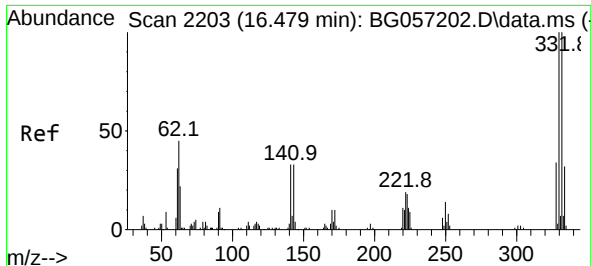
Tgt Ion: 82 Resp: 99809
Ion Ratio Lower Upper
82 100
128 37.2 29.0 43.4
54 46.7 41.4 62.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.972 min Scan# 1946
Delta R.T. -0.004 min
Lab File: BG057515.D
Acq: 23 May 2023 11:53

Tgt Ion: 164 Resp: 52939
Ion Ratio Lower Upper
164 100
162 98.1 81.8 122.6
160 43.3 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 121.493 ng

RT: 16.452 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG057515.D

Acq: 23 May 2023 11:53

Instrument :

BNA_G

ClientSampleId :

TP21

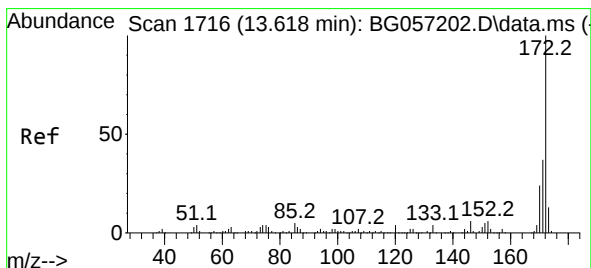
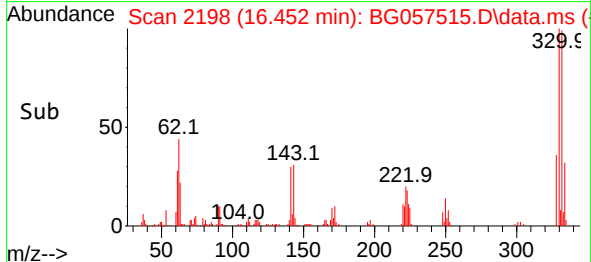
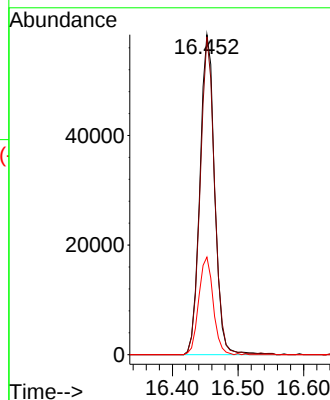
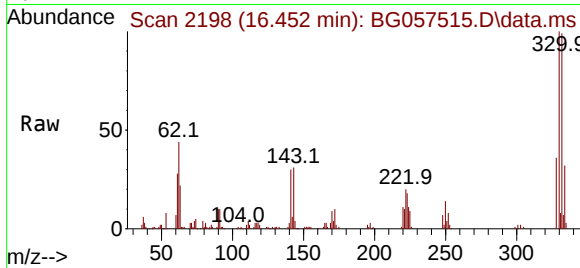
Tgt Ion:330 Resp: 91259

Ion Ratio Lower Upper

330 100

332 96.9 78.2 117.2

141 29.9 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 63.945 ng

RT: 13.592 min Scan# 1711

Delta R.T. -0.010 min

Lab File: BG057515.D

Acq: 23 May 2023 11:53

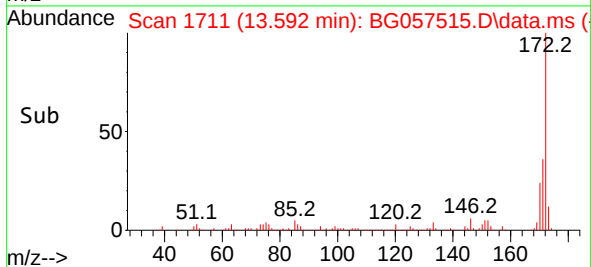
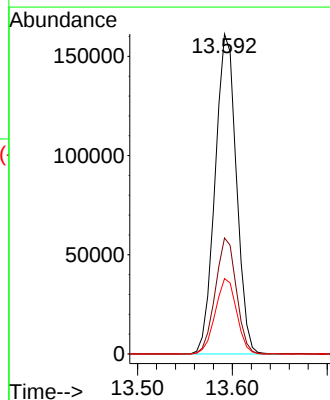
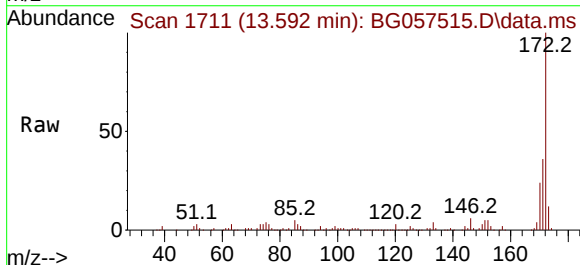
Tgt Ion:172 Resp: 251350

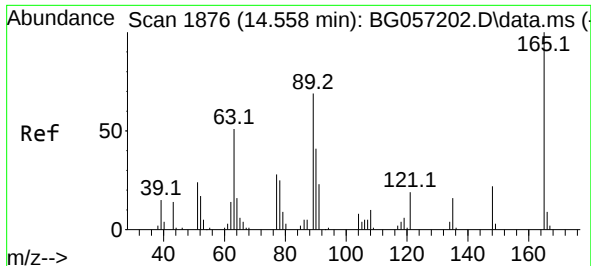
Ion Ratio Lower Upper

172 100

171 36.2 29.4 44.0

170 23.5 19.0 28.6

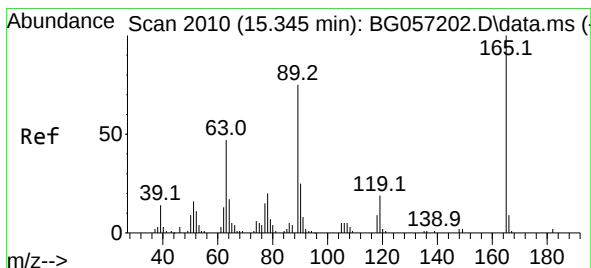
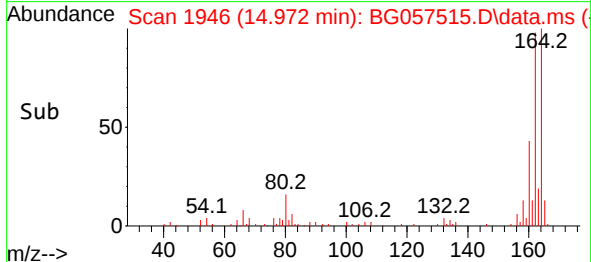
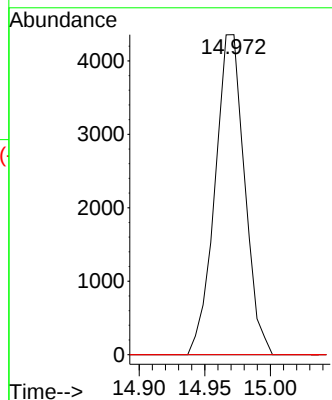
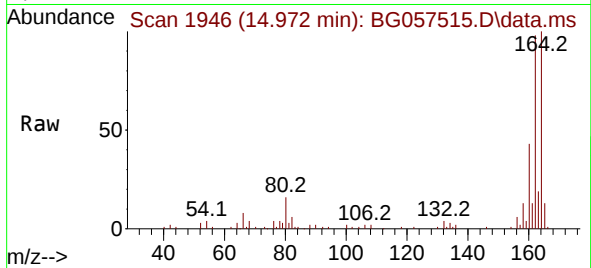




#51
2,6-Dinitrotoluene
Concen: 7.682 ng
RT: 14.972 min Scan# 1946
Delta R.T. 0.431 min
Lab File: BG057515.D
Acq: 23 May 2023 11:53

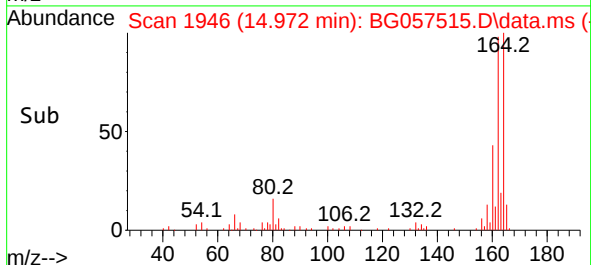
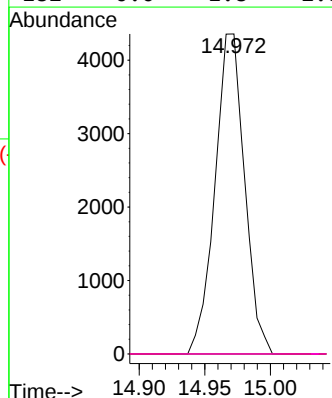
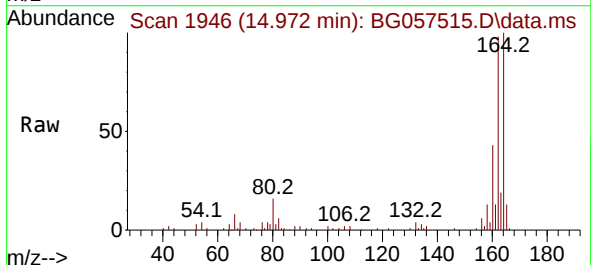
Instrument :
BNA_G
ClientSampleId :
TP21

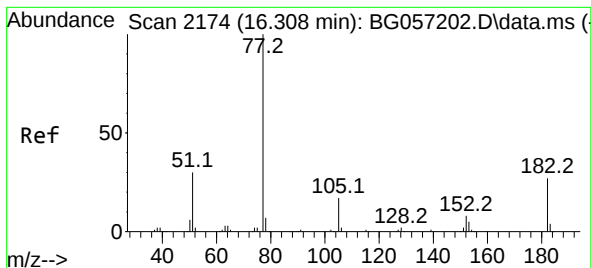
Tgt Ion:165 Resp: 6823
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.375 ng
RT: 14.972 min Scan# 1946
Delta R.T. -0.357 min
Lab File: BG057515.D
Acq: 23 May 2023 11:53

Tgt Ion:165 Resp: 6823
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: 3.066 ng

RT: 16.306 min Scan# 2173

Delta R.T. 0.019 min

Lab File: BG057515.D

Acq: 23 May 2023 11:53

Instrument :

BNA_G

ClientSampleId :

TP21

Tgt Ion: 77 Resp: 13070

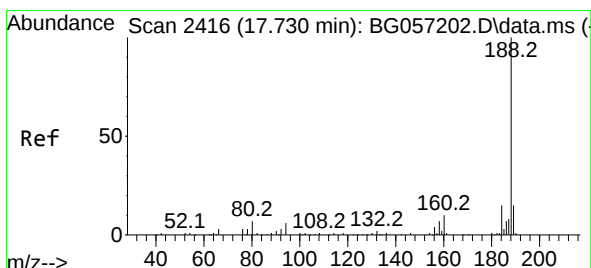
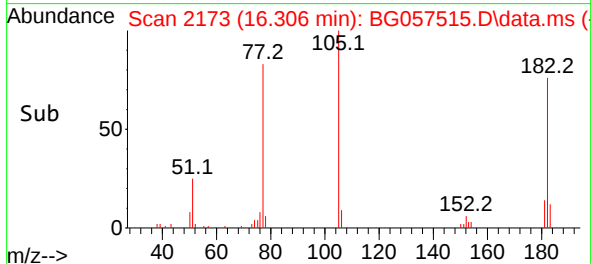
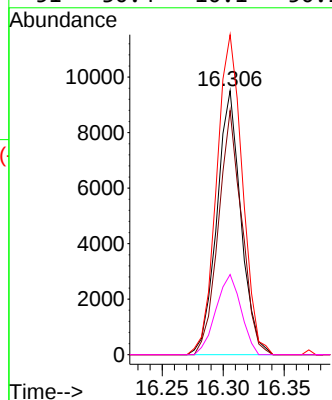
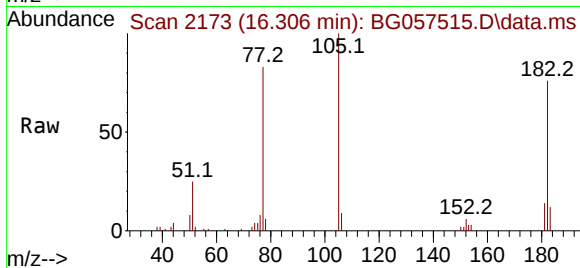
Ion Ratio Lower Upper

77 100

182 92.5 7.4 47.4#

105 121.2 0.0 37.2#

51 30.4 10.1 50.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.710 min Scan# 2412

Delta R.T. -0.004 min

Lab File: BG057515.D

Acq: 23 May 2023 11:53

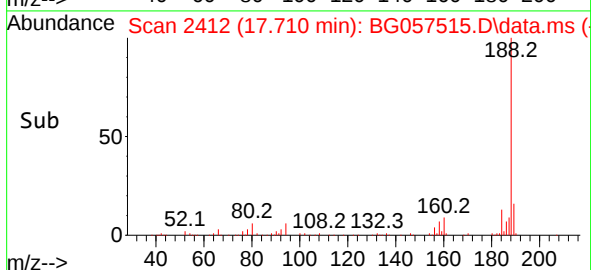
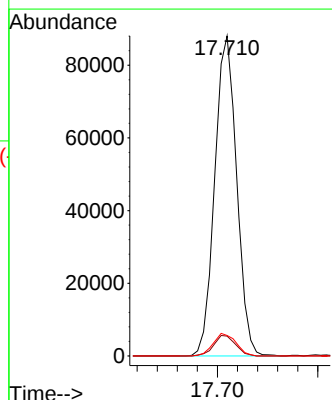
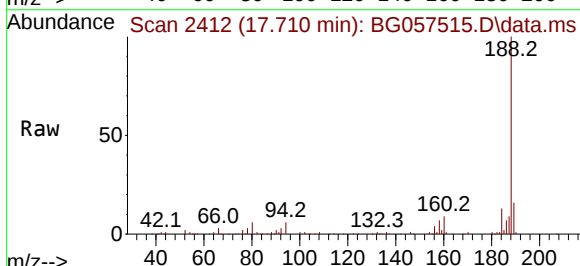
Tgt Ion:188 Resp: 133389

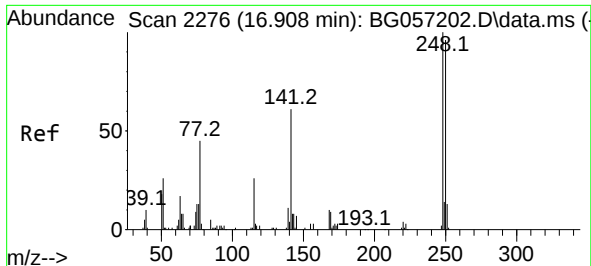
Ion Ratio Lower Upper

188 100

94 6.2 5.1 7.7

80 6.4 5.7 8.5

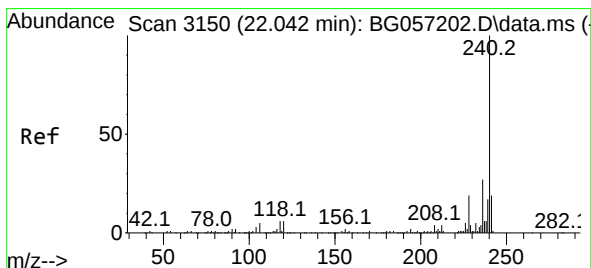
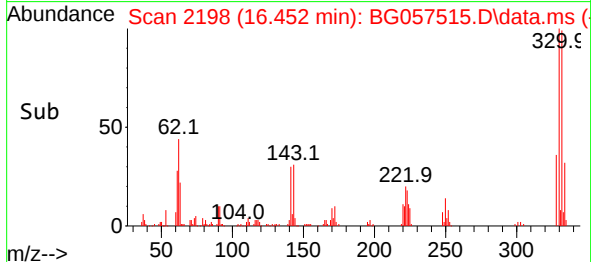
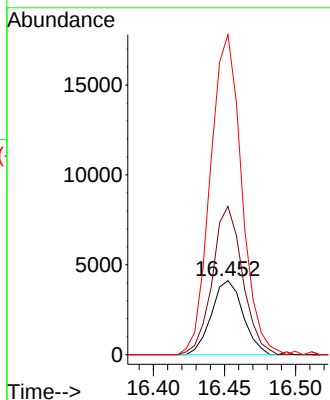
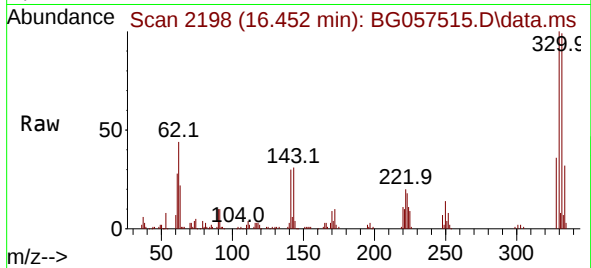




#67
4-Bromophenyl-phenylether
Concen: 3.902 ng
RT: 16.452 min Scan# 21198
Delta R.T. -0.433 min
Lab File: BG057515.D
Acq: 23 May 2023 11:53

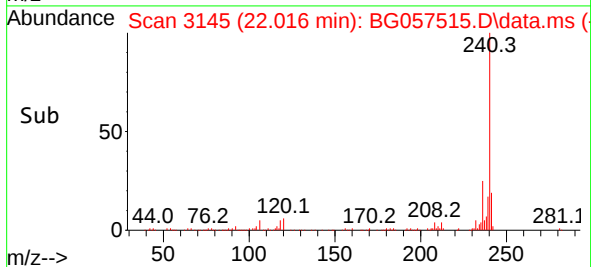
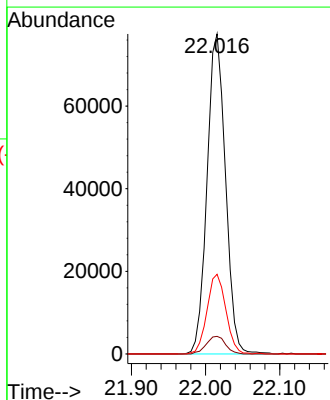
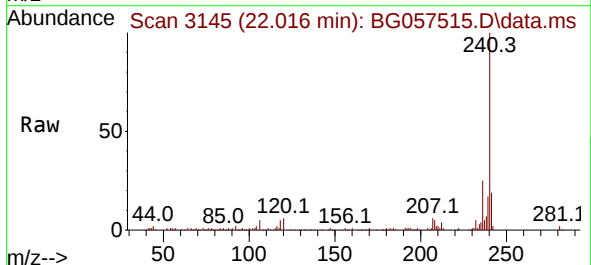
Instrument :
BNA_G
ClientSampleId :
TP21

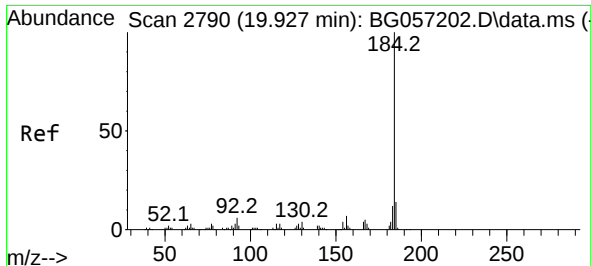
Tgt Ion:248 Resp: 6353
Ion Ratio Lower Upper
248 100
250 200.5 77.0 115.6#
141 432.4 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.016 min Scan# 3145
Delta R.T. -0.004 min
Lab File: BG057515.D
Acq: 23 May 2023 11:53

Tgt Ion:240 Resp: 133558
Ion Ratio Lower Upper
240 100
120 5.5 4.9 7.3
236 24.9 21.4 32.2

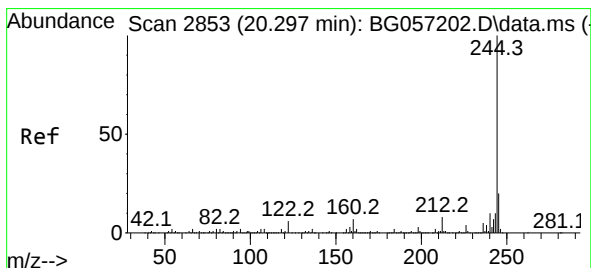
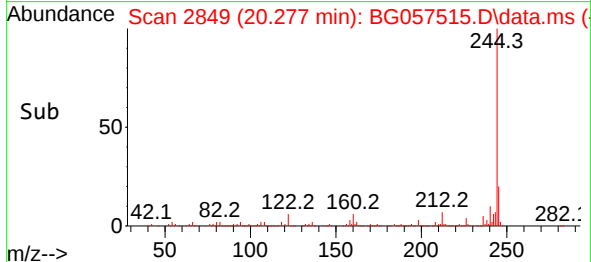
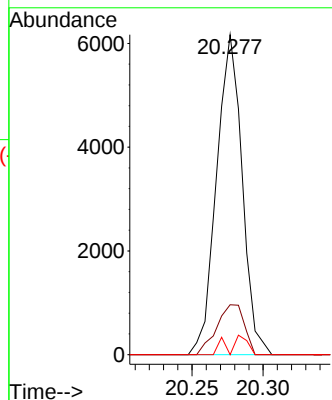
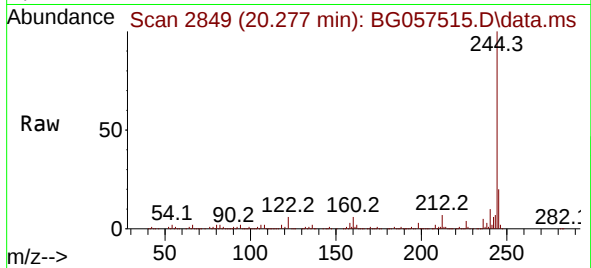




#77
Benzidine
Concen: 2.579 ng
RT: 20.277 min Scan# 2849
Delta R.T. 0.366 min
Lab File: BG057515.D
Acq: 23 May 2023 11:53

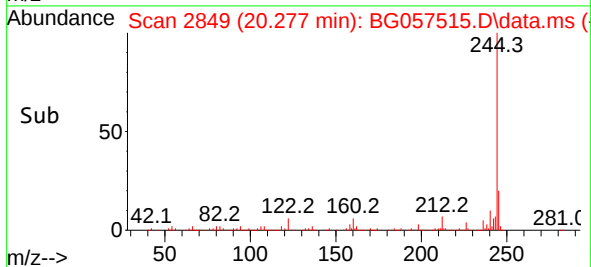
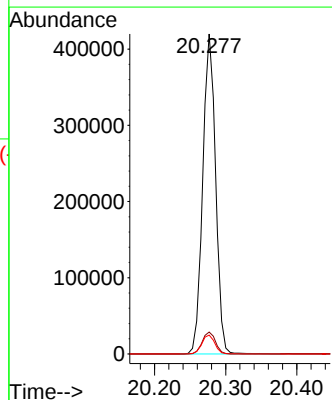
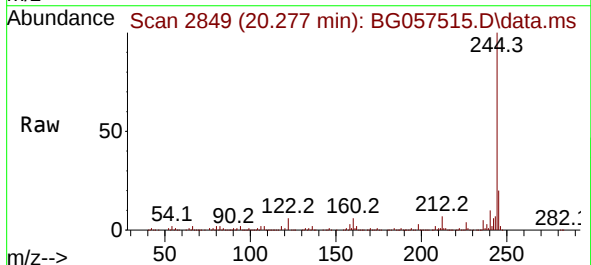
Instrument :
BNA_G
ClientSampleId :
TP21

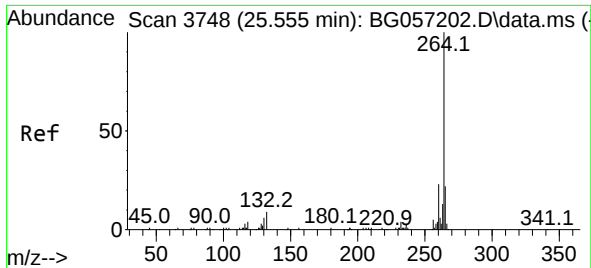
Tgt Ion:184 Resp: 7701
Ion Ratio Lower Upper
184 100
185 15.6 11.1 16.7
183 0.0 9.9 14.9#



#79
Terphenyl-d14
Concen: 64.745 ng
RT: 20.277 min Scan# 2849
Delta R.T. -0.004 min
Lab File: BG057515.D
Acq: 23 May 2023 11:53

Tgt Ion:244 Resp: 529876
Ion Ratio Lower Upper
244 100
212 6.8 6.1 9.1
122 5.9 5.1 7.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.511 min Scan# 31
 Delta R.T. -0.004 min
 Lab File: BG057515.D
 Acq: 23 May 2023 11:53

Instrument :
 BNA_G
 ClientSampleId :
 TP21

Tgt Ion:264 Resp: 142951
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.8 28.2
 265 21.6 17.9 26.9

