

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
 Data File : BG057491.D
 Acq On : 22 May 2023 13:09
 Operator : CG/JU
 Sample : 02849-31
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP10

Quant Time: May 22 13:58:27 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)

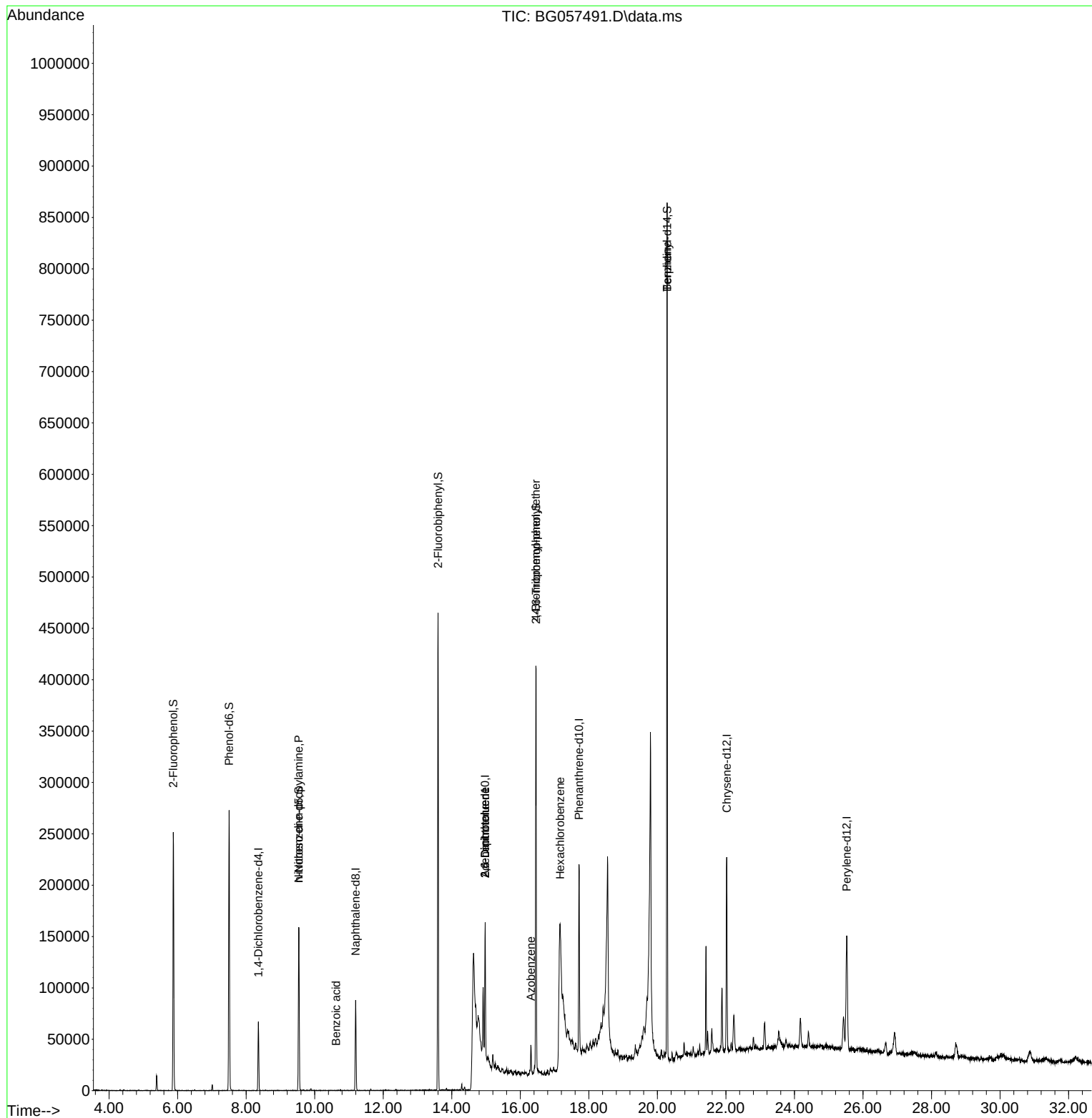
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.360	152	19261	20.000	ng	0.00
21) Naphthalene-d8	11.197	136	73576	20.000	ng	0.00
39) Acenaphthene-d10	14.974	164	48700	20.000	ng	0.00
64) Phenanthrene-d10	17.712	188	120816	20.000	ng	0.00
76) Chrysene-d12	22.023	240	121501	20.000	ng	0.00
86) Perylene-d12	25.525	264	131296	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.875	112	111333	98.877	ng	0.00
7) Phenol-d6	7.502	99	160596	93.925	ng	0.00
23) Nitrobenzene-d5	9.534	82	103459	59.017	ng	0.00
42) 2,4,6-Tribromophenol	16.460	330	81624	118.124	ng	0.00
45) 2-Fluorobiphenyl	13.600	172	250261	69.210	ng	0.00
79) Terphenyl-d14	20.285	244	431094	57.902	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.478	77	53	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.534	70	14603	11.201	ng	# 83
32) Benzoic acid	10.621	122	58	4.793	ng	# 1
51) 2,6-Dinitrotoluene	14.974	165	6432	7.872	ng	# 19
57) 2,4-Dinitrotoluene	14.974	165	6432	5.508	ng	# 23
63) Azobenzene	16.308	77	9105	2.322	ng	# 4
67) 4-Bromophenyl-phenylether	16.454	248	5430	3.682	ng	# 1
68) Hexachlorobenzene	17.159	284	5722	3.992	ng	# 42
77) Benzidine	20.285	184	6890	2.537	ng	# 83

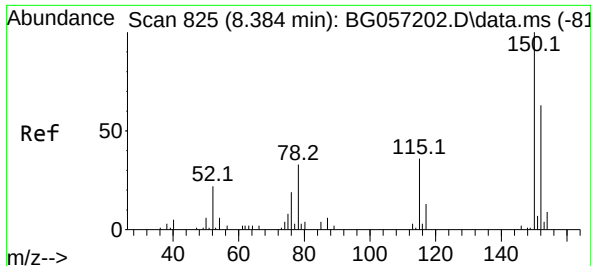
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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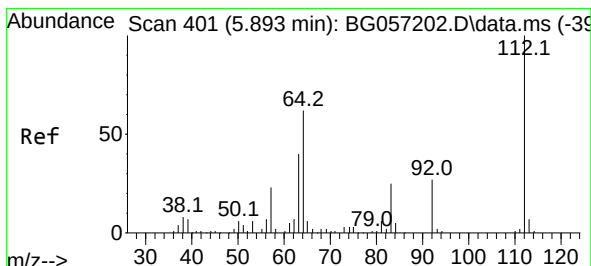
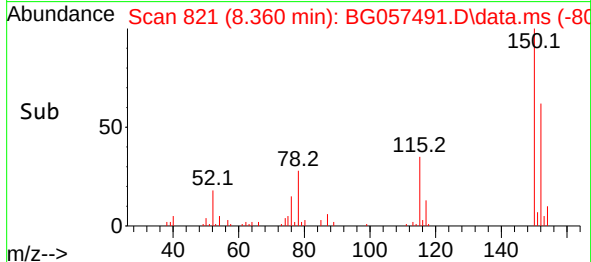
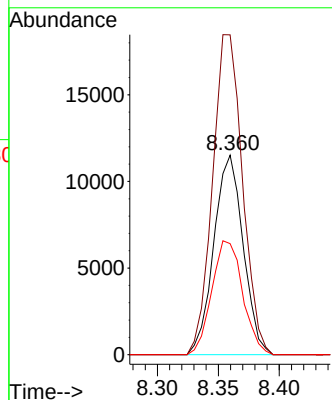
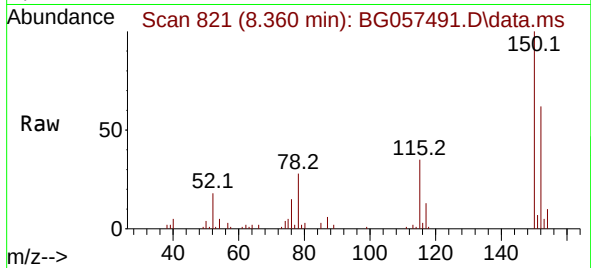




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.360 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057491.D
Acq: 22 May 2023 13:09

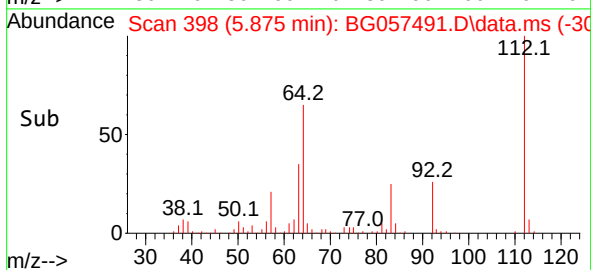
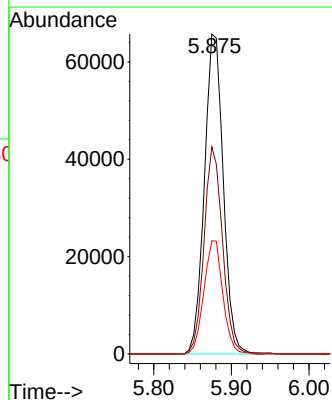
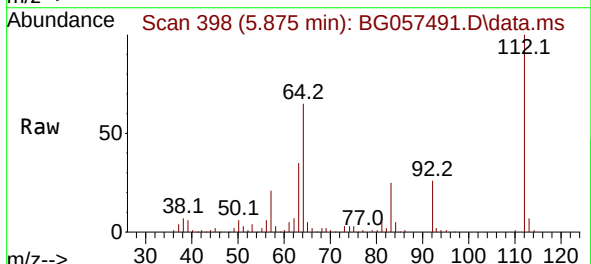
Instrument :
BNA_G
ClientSampleId :
TP10

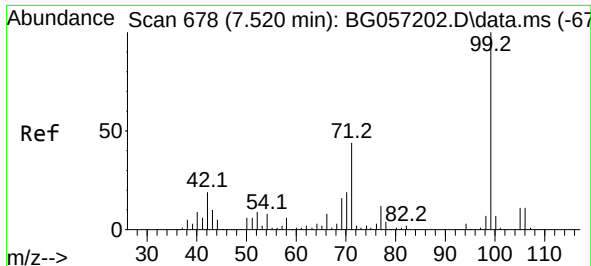
Tgt Ion:152 Resp: 19261
Ion Ratio Lower Upper
152 100
150 160.3 126.2 189.4
115 55.7 45.0 67.4



#5
2-Fluorophenol
Concen: 98.877 ng
RT: 5.875 min Scan# 398
Delta R.T. 0.004 min
Lab File: BG057491.D
Acq: 22 May 2023 13:09

Tgt Ion:112 Resp: 111333
Ion Ratio Lower Upper
112 100
64 64.7 49.4 74.2
63 35.4 31.6 47.4





#7

Phenol-d6

Concen: 93.925 ng

RT: 7.502 min Scan# 61

Delta R.T. 0.004 min

Lab File: BG057491.D

Acq: 22 May 2023 13:09

Instrument :

BNA_G

ClientSampleId :

TP10

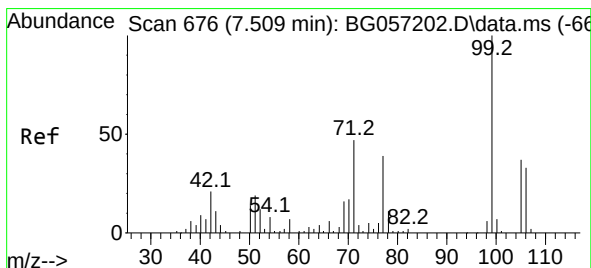
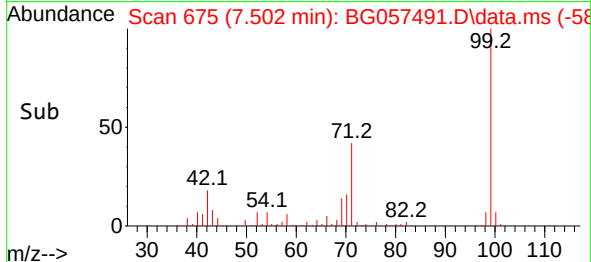
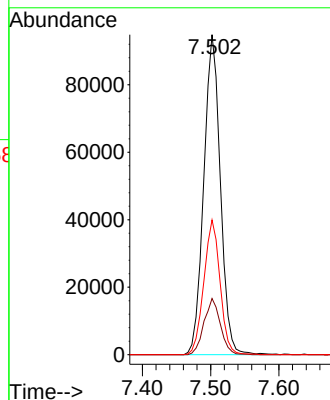
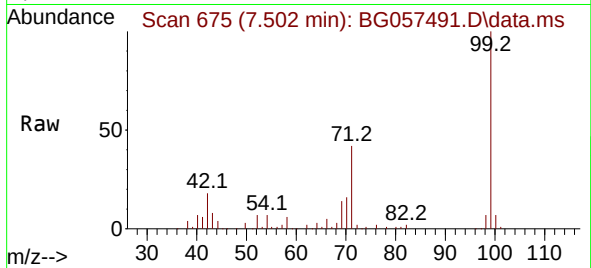
Tgt Ion: 99 Resp: 160596

Ion Ratio Lower Upper

99 100

42 17.5 15.1 22.7

71 42.1 35.2 52.8



#9

Benzaldehyde

Concen: Below Cal

RT: 7.478 min Scan# 671

Delta R.T. -0.008 min

Lab File: BG057491.D

Acq: 22 May 2023 13:09

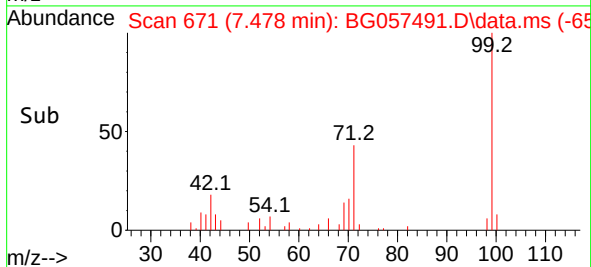
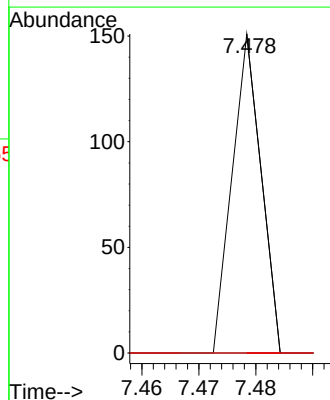
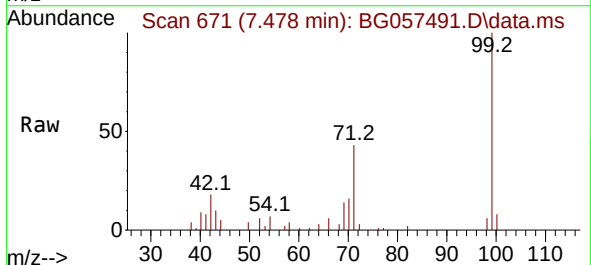
Tgt Ion: 77 Resp: 53

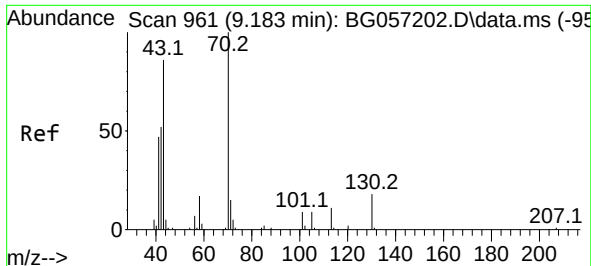
Ion Ratio Lower Upper

77 100

105 0.0 74.6 114.6#

106 0.0 66.3 106.3#

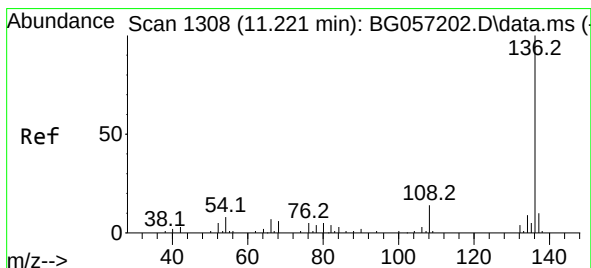
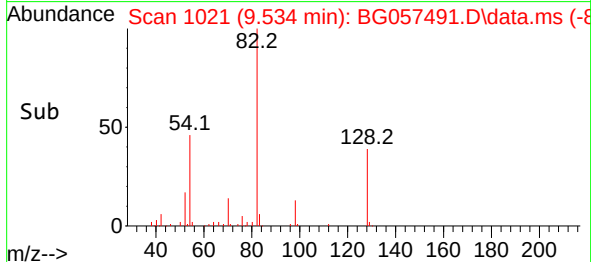
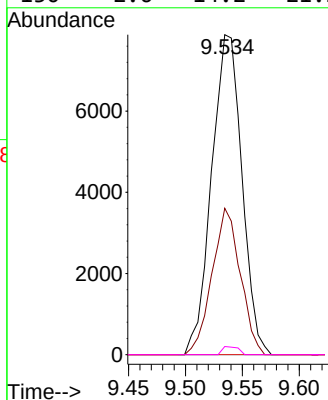
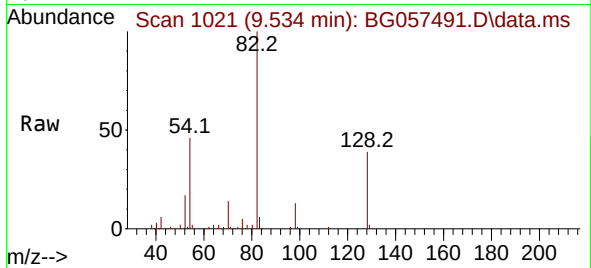




#19
n-Nitroso-di-n-propylamine
Concen: 11.201 ng
RT: 9.534 min Scan# 1021
Delta R.T. 0.374 min
Lab File: BG057491.D
Acq: 22 May 2023 13:09

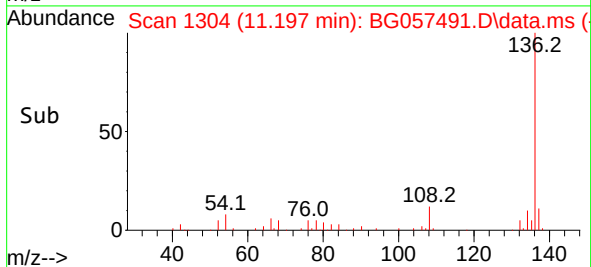
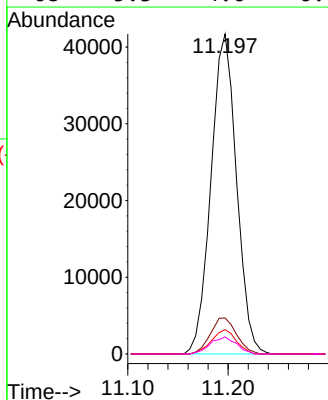
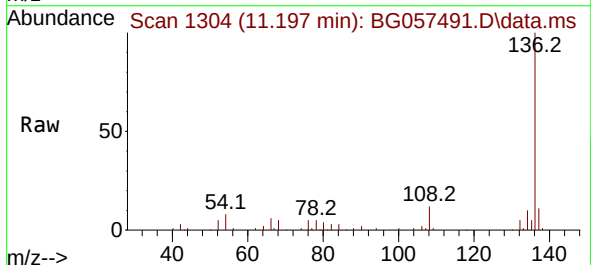
Instrument :
BNA_G
ClientSampleId :
TP10

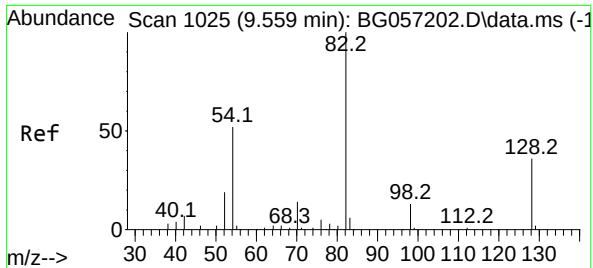
Tgt Ion: 70 Resp: 14603
Ion Ratio Lower Upper
70 100
42 45.8 41.8 62.8
101 0.0 6.8 10.2#
130 2.6 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.197 min Scan# 1304
Delta R.T. -0.002 min
Lab File: BG057491.D
Acq: 22 May 2023 13:09

Tgt Ion:136 Resp: 73576
Ion Ratio Lower Upper
136 100
137 11.2 8.3 12.5
54 7.6 6.7 10.1
68 5.3 4.6 6.8





#23

Nitrobenzene-d5

Concen: 59.017 ng

RT: 9.534 min Scan# 1025

Delta R.T. -0.002 min

Lab File: BG057491.D

Acq: 22 May 2023 13:09

Instrument :

BNA_G

ClientSampleId :

TP10

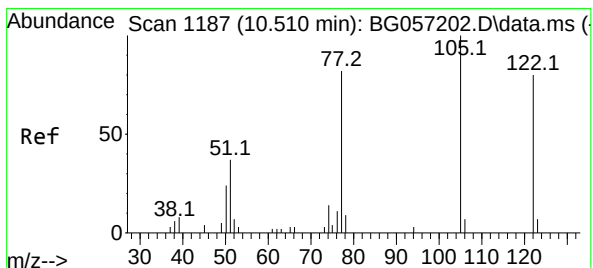
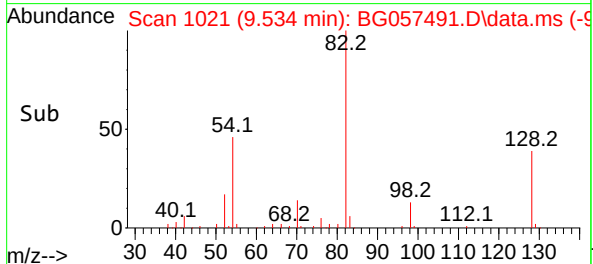
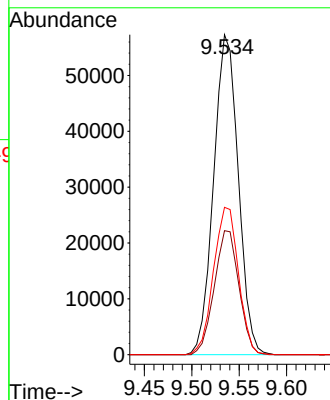
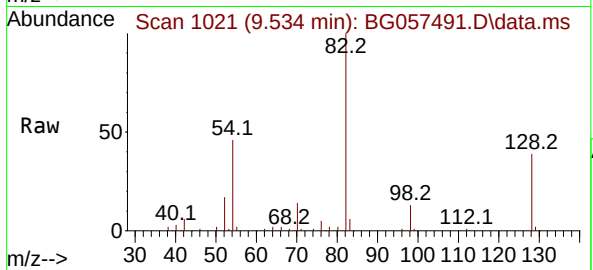
Tgt Ion: 82 Resp: 103459

Ion Ratio Lower Upper

82 100

128 38.8 29.0 43.4

54 46.0 41.4 62.0



#32

Benzoic acid

Concen: 4.793 ng

RT: 10.621 min Scan# 1206

Delta R.T. 0.133 min

Lab File: BG057491.D

Acq: 22 May 2023 13:09

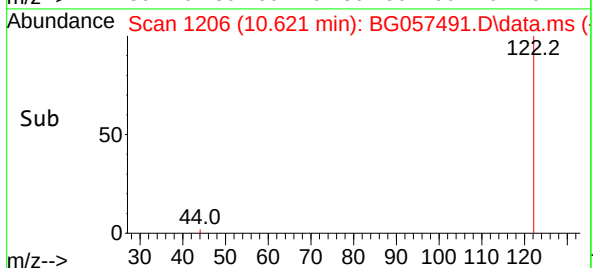
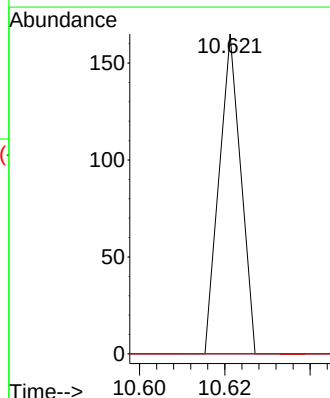
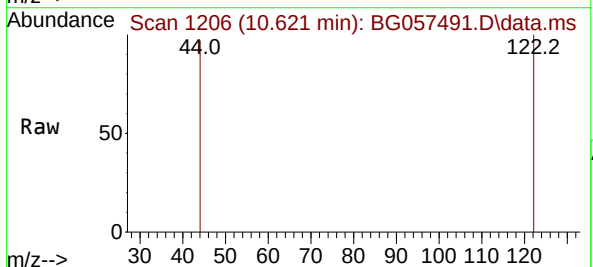
Tgt Ion:122 Resp: 58

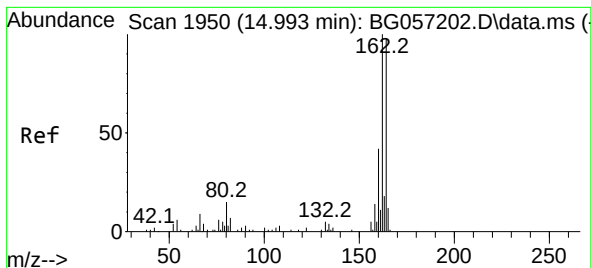
Ion Ratio Lower Upper

122 100

105 0.0 105.2 145.2#

77 0.0 83.1 123.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.974 min Scan# 19

Delta R.T. -0.002 min

Lab File: BG057491.D

Acq: 22 May 2023 13:09

Instrument :

BNA_G

ClientSampleId :

TP10

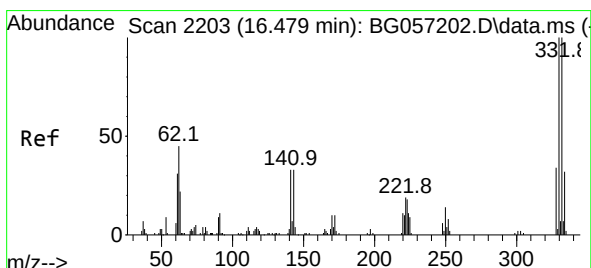
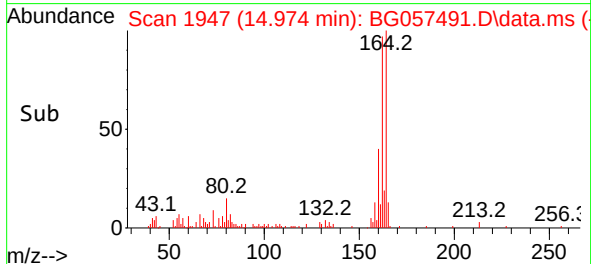
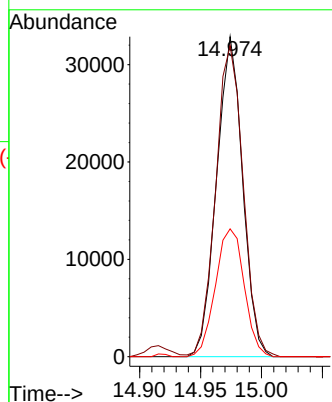
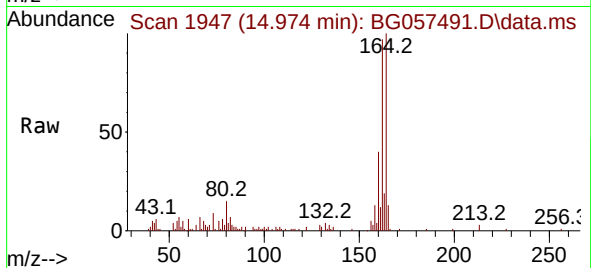
Tgt Ion:164 Resp: 48700

Ion Ratio Lower Upper

164 100

162 97.2 81.8 122.6

160 39.9 34.6 52.0



#42

2,4,6-Tribromophenol

Concen: 118.124 ng

RT: 16.460 min Scan# 2200

Delta R.T. 0.004 min

Lab File: BG057491.D

Acq: 22 May 2023 13:09

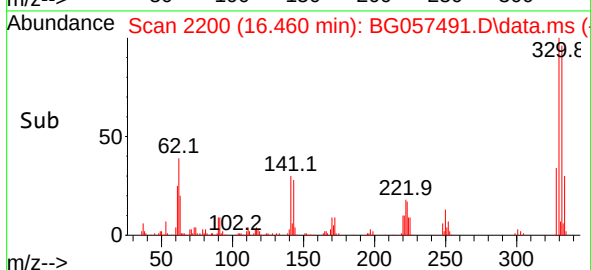
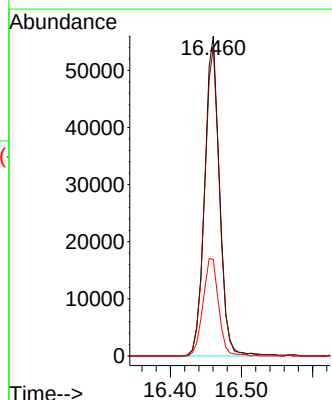
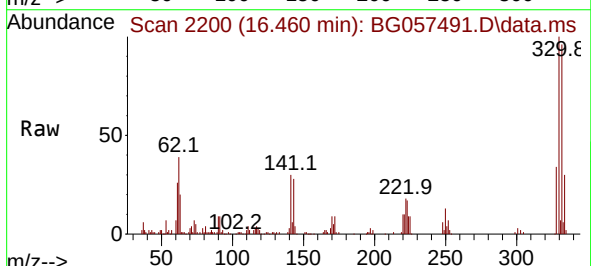
Tgt Ion:330 Resp: 81624

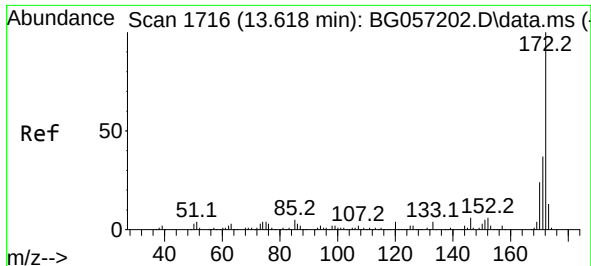
Ion Ratio Lower Upper

330 100

332 97.4 78.2 117.2

141 32.0 27.8 41.8

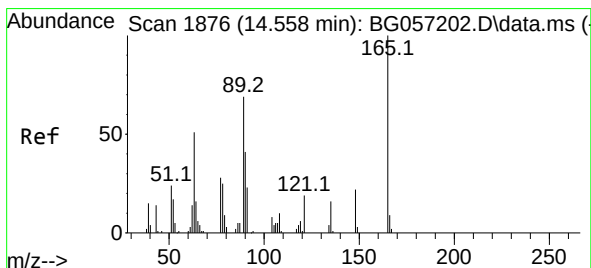
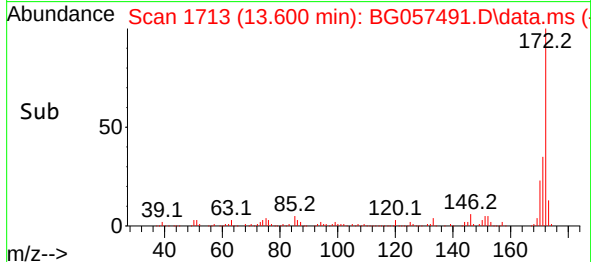
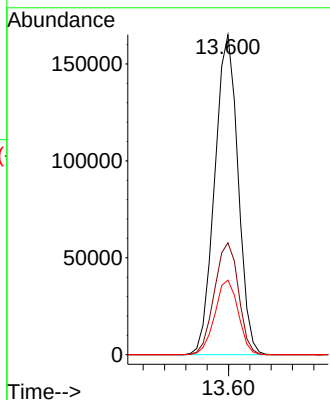
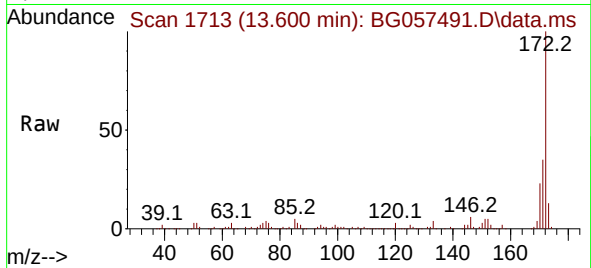




#45
2-Fluorobiphenyl
Concen: 69.210 ng
RT: 13.600 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG057491.D
Acq: 22 May 2023 13:09

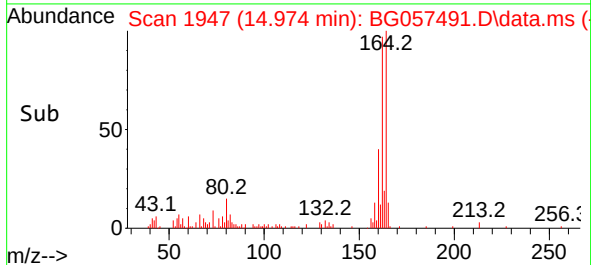
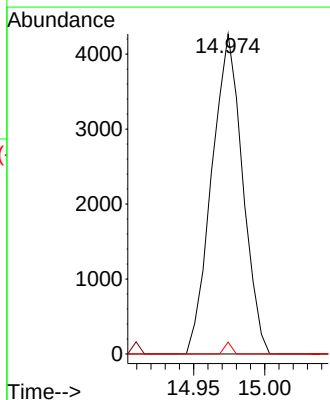
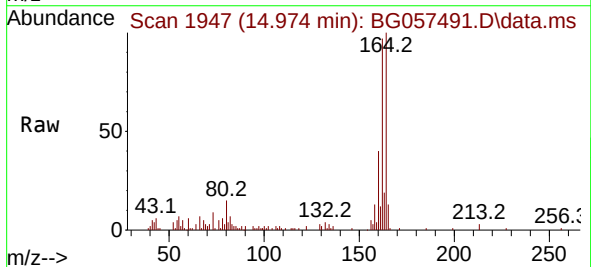
Instrument :
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TP10

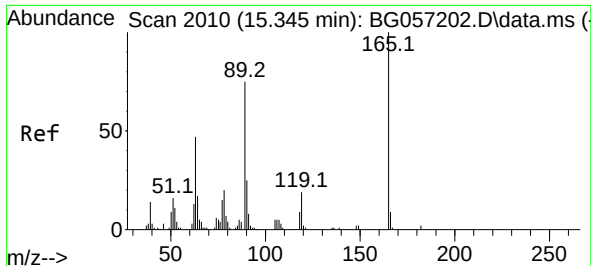
Tgt Ion:172 Resp: 250261
Ion Ratio Lower Upper
172 100
171 35.0 29.4 44.0
170 23.3 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 7.872 ng
RT: 14.974 min Scan# 1947
Delta R.T. 0.433 min
Lab File: BG057491.D
Acq: 22 May 2023 13:09

Tgt Ion:165 Resp: 6432
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 3.7 55.2 82.8#





#57

2,4-Dinitrotoluene

Concen: 5.508 ng

RT: 14.974 min Scan# 1947

Delta R.T. -0.355 min

Lab File: BG057491.D

Acq: 22 May 2023 13:09

Instrument :

BNA_G

ClientSampleId :

TP10

Tgt Ion:165 Resp: 6432

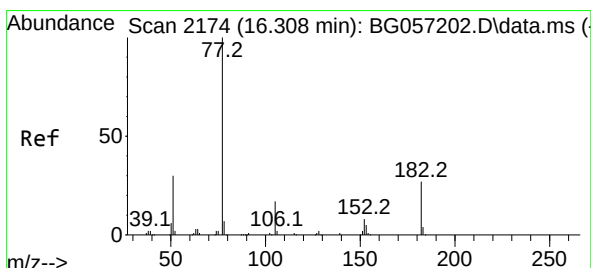
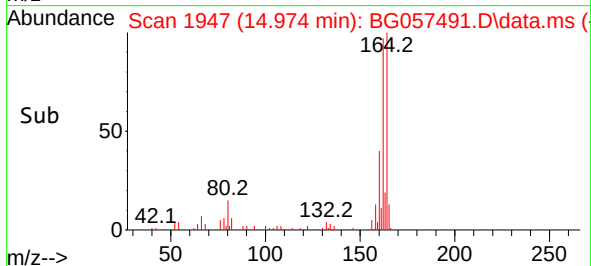
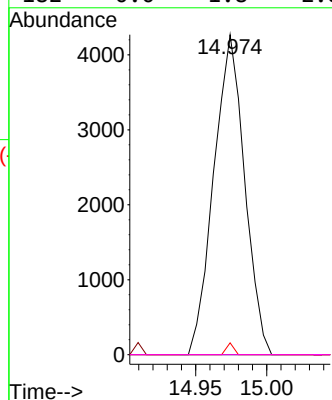
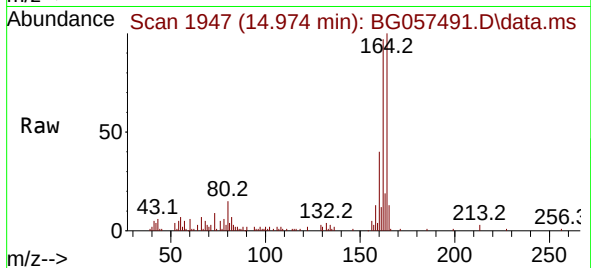
Ion Ratio Lower Upper

165 100

63 0.0 37.5 56.3#

89 3.7 60.2 90.4#

182 0.0 1.8 2.8#



#63

Azobenzene

Concen: 2.322 ng

RT: 16.308 min Scan# 2174

Delta R.T. 0.021 min

Lab File: BG057491.D

Acq: 22 May 2023 13:09

Tgt Ion: 77 Resp: 9105

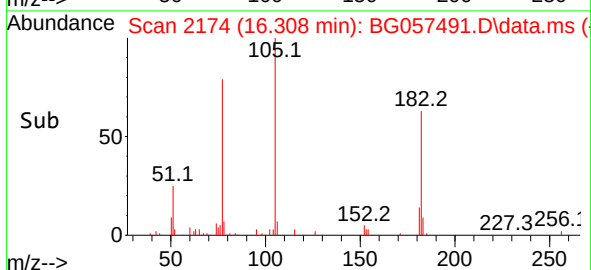
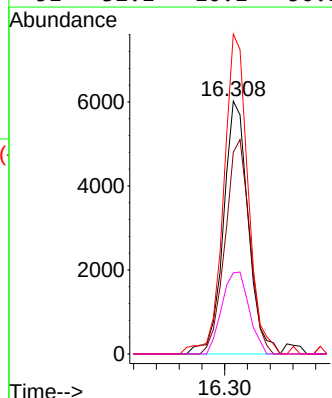
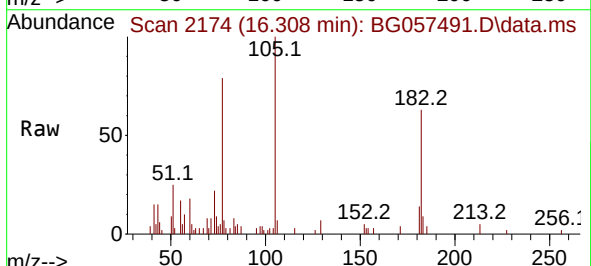
Ion Ratio Lower Upper

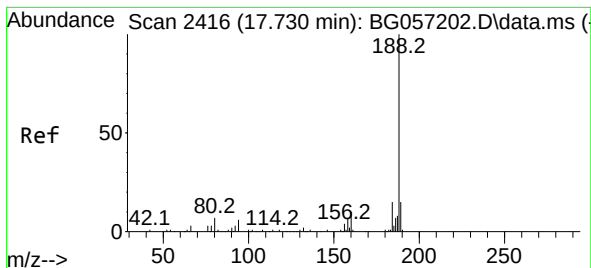
77 100

182 79.8 7.4 47.4#

105 126.6 0.0 37.2#

51 32.1 10.1 50.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.712 min Scan# 2416

Delta R.T. -0.002 min

Lab File: BG057491.D

Acq: 22 May 2023 13:09

Instrument :

BNA_G

ClientSampleId :

TP10

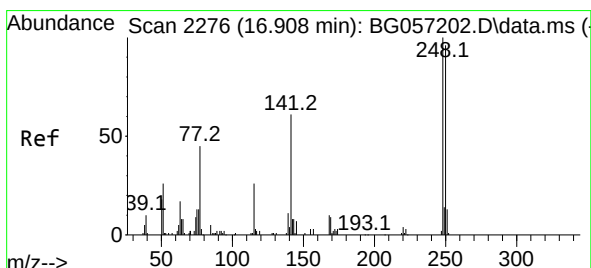
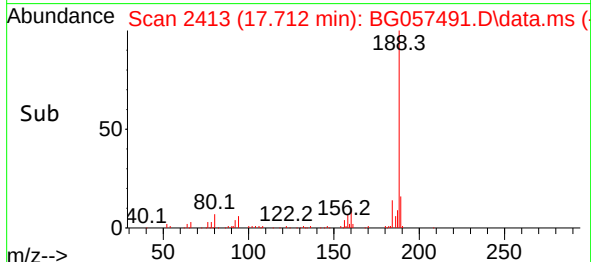
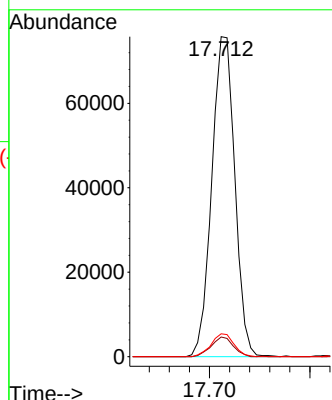
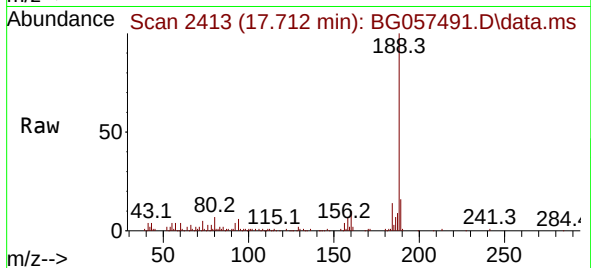
Tgt Ion:188 Resp: 120816

Ion Ratio Lower Upper

188 100

94 6.2 5.1 7.7

80 7.2 5.7 8.5



#67

4-Bromophenyl-phenylether

Concen: 3.682 ng

RT: 16.454 min Scan# 2199

Delta R.T. -0.431 min

Lab File: BG057491.D

Acq: 22 May 2023 13:09

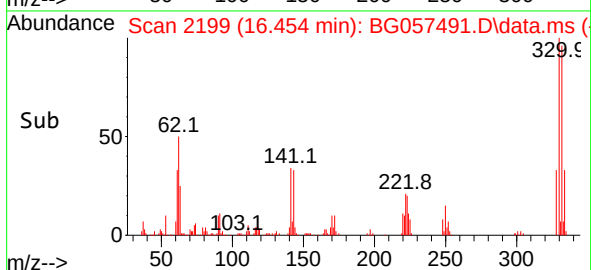
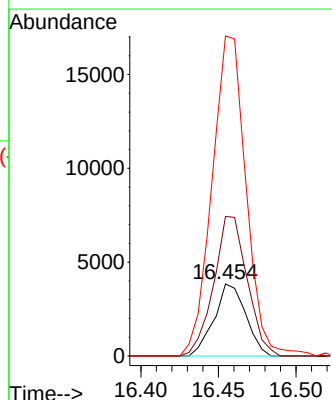
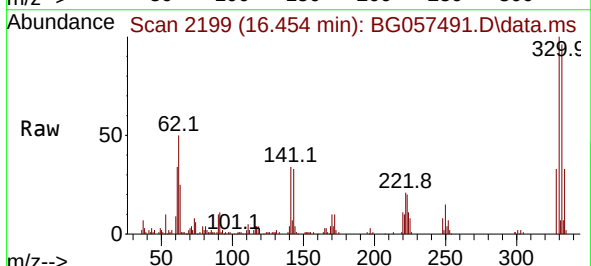
Tgt Ion:248 Resp: 5430

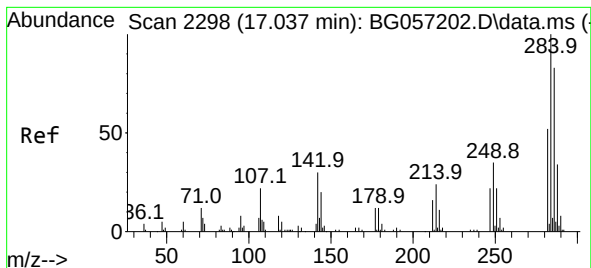
Ion Ratio Lower Upper

248 100

250 194.0 77.0 115.6#

141 444.9 48.6 72.8#





#68

Hexachlorobenzene

Concen: 3.992 ng

RT: 17.159 min Scan# 21

Delta R.T. 0.139 min

Lab File: BG057491.D

Acq: 22 May 2023 13:09

Instrument :

BNA_G

ClientSampleId :

TP10

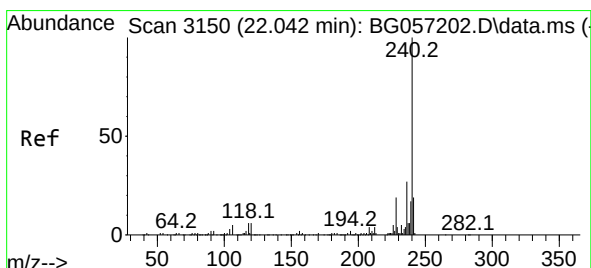
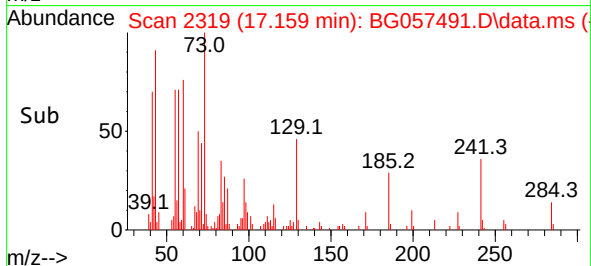
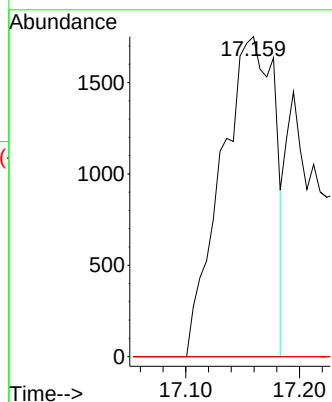
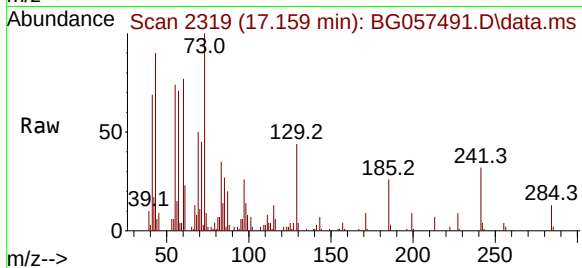
Tgt Ion:284 Resp: 5722

Ion Ratio Lower Upper

284 100

142 0.0 23.9 35.9#

249 0.0 27.7 41.5#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.023 min Scan# 3147

Delta R.T. 0.004 min

Lab File: BG057491.D

Acq: 22 May 2023 13:09

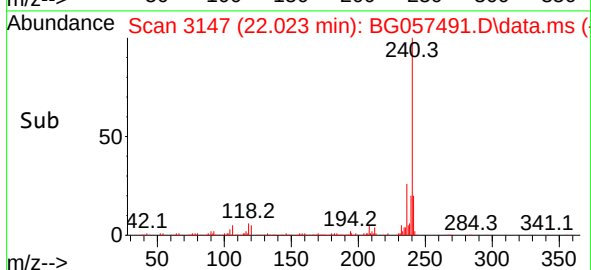
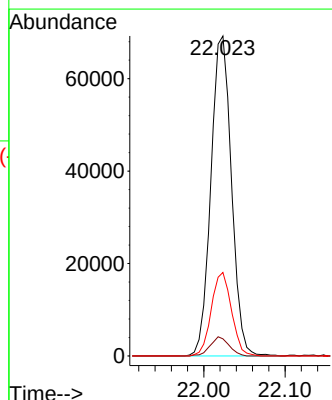
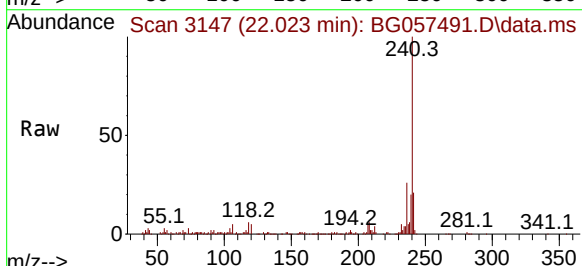
Tgt Ion:240 Resp: 121501

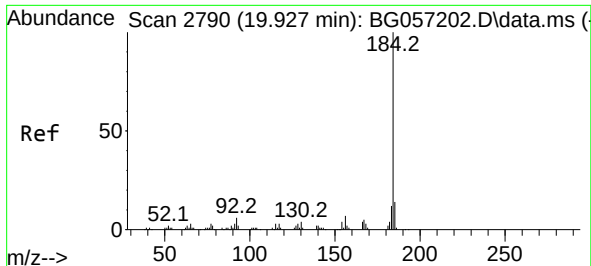
Ion Ratio Lower Upper

240 100

120 5.4 4.9 7.3

236 26.1 21.4 32.2

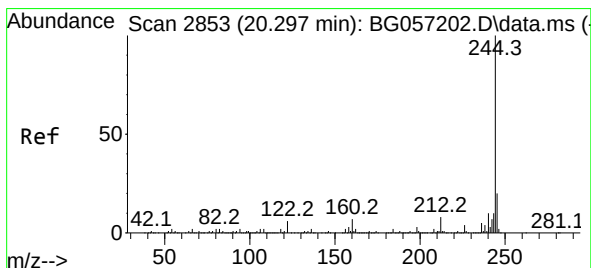
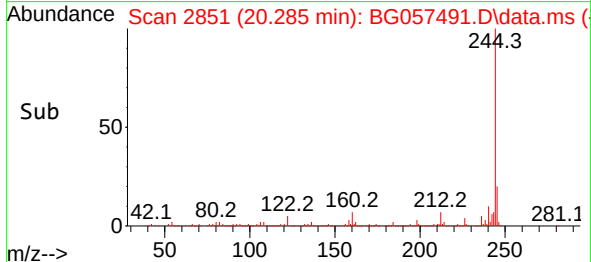
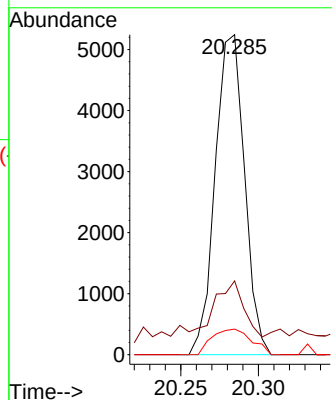
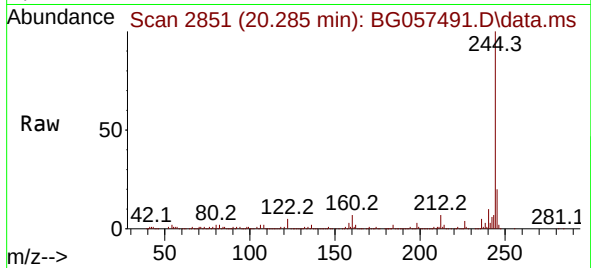




#77
Benzidine
Concen: 2.537 ng
RT: 20.285 min Scan# 2851
Delta R.T. 0.374 min
Lab File: BG057491.D
Acq: 22 May 2023 13:09

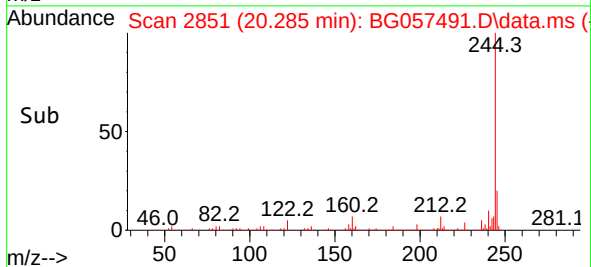
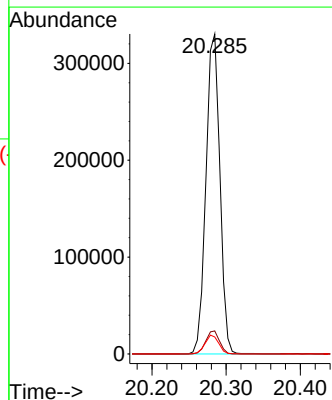
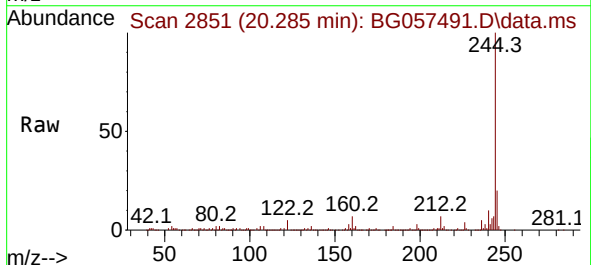
Instrument :
BNA_G
ClientSampleId :
TP10

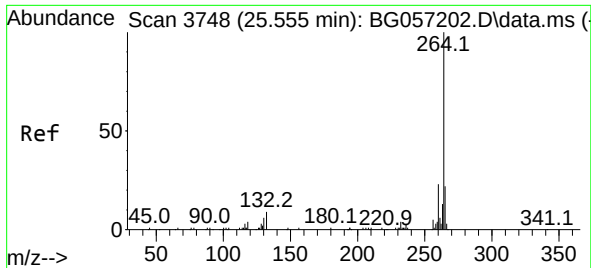
Tgt Ion:184 Resp: 6890
Ion Ratio Lower Upper
184 100
185 23.1 11.1 16.7#
183 8.0 9.9 14.9#



#79
Terphenyl-d14
Concen: 57.902 ng
RT: 20.285 min Scan# 2851
Delta R.T. 0.004 min
Lab File: BG057491.D
Acq: 22 May 2023 13:09

Tgt Ion:244 Resp: 431094
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 5.3 5.1 7.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.525 min Scan# 31
 Delta R.T. 0.010 min
 Lab File: BG057491.D
 Acq: 22 May 2023 13:09

Instrument :
 BNA_G
 ClientSampleId :
 TP10

Tgt Ion:264 Resp: 131296
 Ion Ratio Lower Upper
 264 100
 260 25.3 18.8 28.2
 265 22.5 17.9 26.9

