

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
 Data File : BG057497.D
 Acq On : 22 May 2023 17:17
 Operator : CG/JU
 Sample : 02864-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-289

Quant Time: May 23 04:05:46 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)

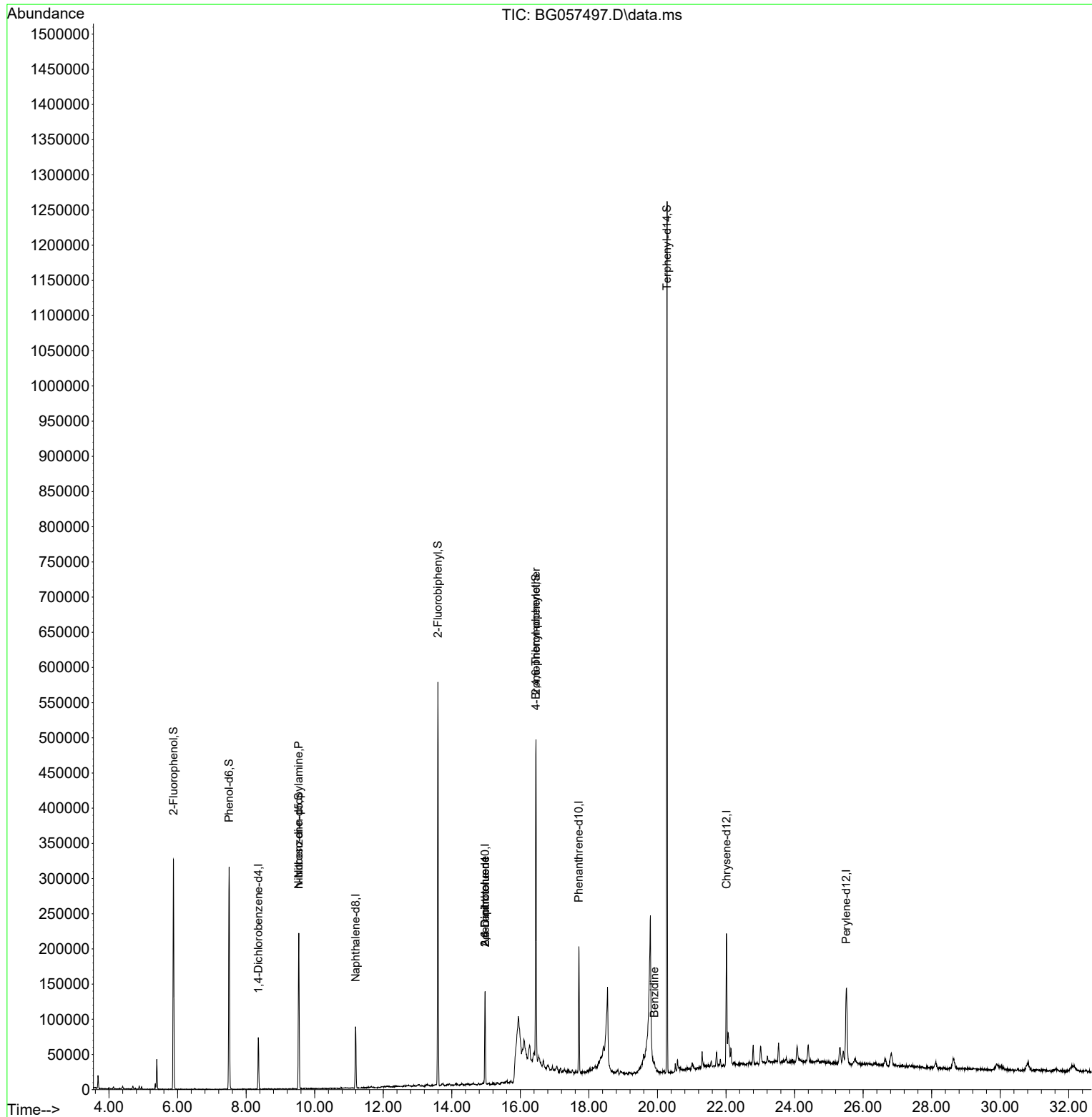
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	20981	20.000	ng	0.00
21) Naphthalene-d8	11.193	136	73414	20.000	ng	0.00
39) Acenaphthene-d10	14.970	164	49393	20.000	ng	0.00
64) Phenanthrene-d10	17.707	188	116238	20.000	ng	0.00
76) Chrysene-d12	22.013	240	123205	20.000	ng	0.00
86) Perylene-d12	25.509	264	132702	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.882	112	144545	117.850	ng	0.01
7) Phenol-d6	7.504	99	189242	101.605	ng	0.00
23) Nitrobenzene-d5	9.536	82	141964	81.161	ng	0.00
42) 2,4,6-Tribromophenol	16.456	330	96661	137.923	ng	0.00
45) 2-Fluorobiphenyl	13.595	172	297765	81.192	ng	0.00
79) Terphenyl-d14	20.280	244	634196	84.003	ng	0.00
Target Compounds						
9) Benzaldehyde	7.509	77	320	Below Cal	Qvalue	# 4
19) n-Nitroso-di-n-propyla...	9.536	70	19963	14.056	ng	# 78
51) 2,6-Dinitrotoluene	14.970	165	6435	7.765	ng	# 17
57) 2,4-Dinitrotoluene	14.970	165	6435	5.433	ng	# 20
67) 4-Bromophenyl-phenylether	16.450	248	6396	4.507	ng	# 1
77) Benzidine	19.910	184	5509	2.000	ng	# 82

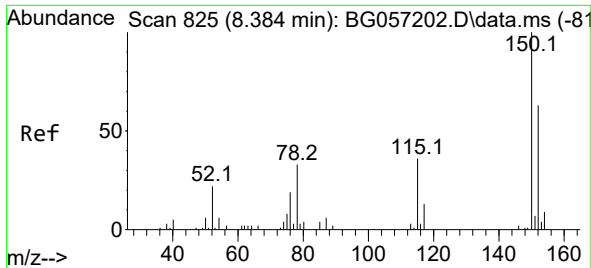
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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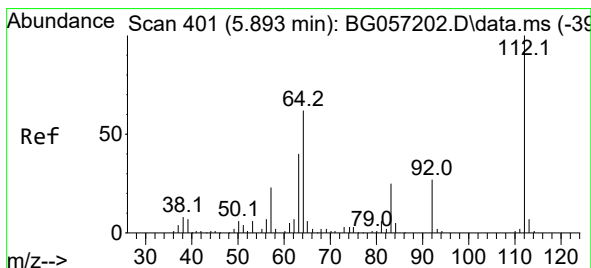
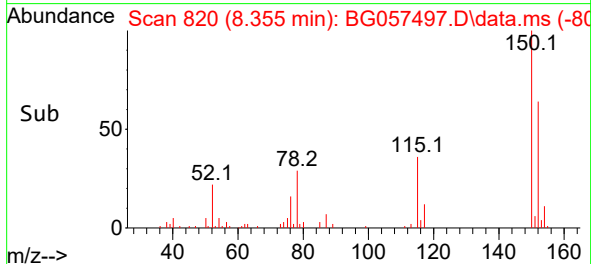
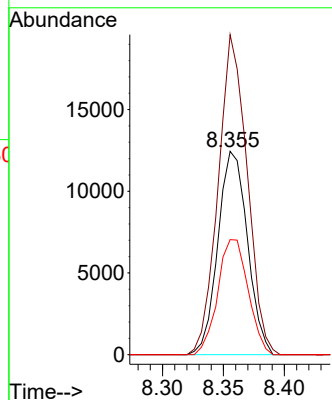
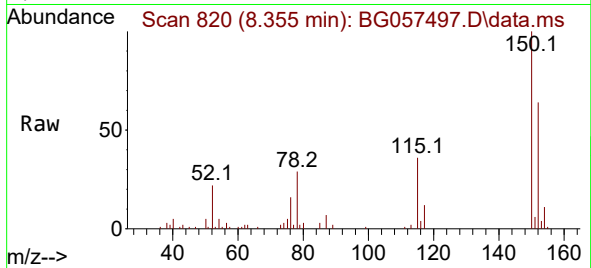




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057497.D
Acq: 22 May 2023 17:17

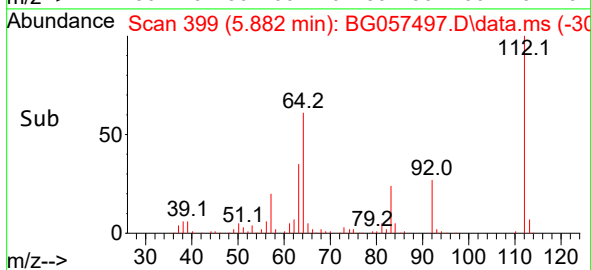
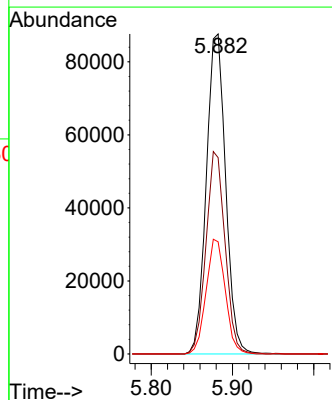
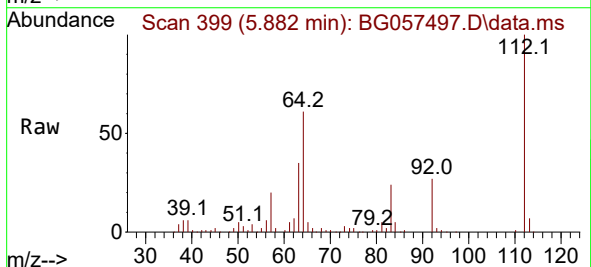
Instrument :
BNA_G
ClientSampleId :
ETGI-289

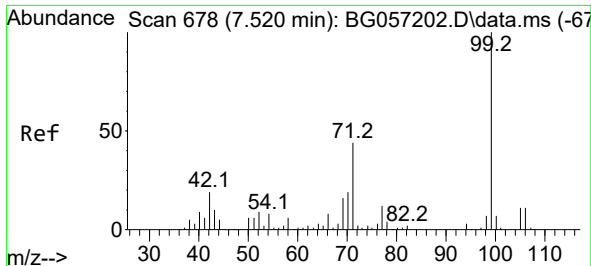
Tgt Ion:152 Resp: 20981
Ion Ratio Lower Upper
152 100
150 157.4 126.2 189.4
115 56.6 45.0 67.4



#5
2-Fluorophenol
Concen: 117.850 ng
RT: 5.882 min Scan# 399
Delta R.T. 0.011 min
Lab File: BG057497.D
Acq: 22 May 2023 17:17

Tgt Ion:112 Resp: 144545
Ion Ratio Lower Upper
112 100
64 61.3 49.4 74.2
63 35.0 31.6 47.4

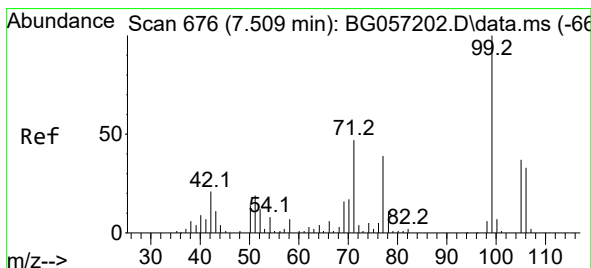
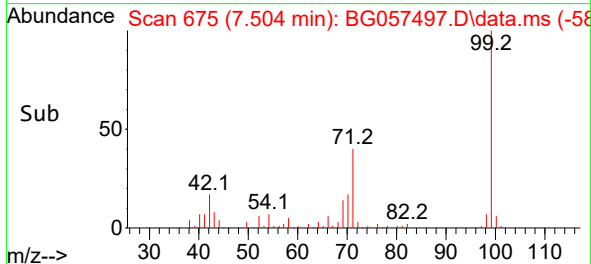
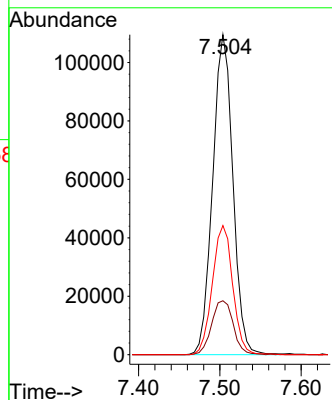
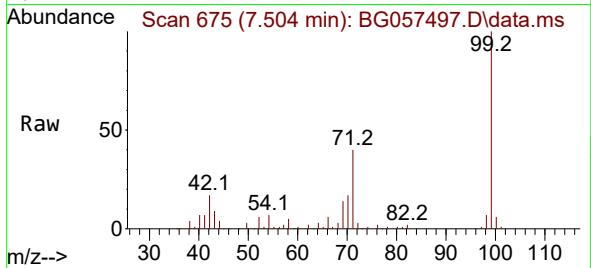




#7
Phenol-d6
Concen: 101.605 ng
RT: 7.504 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG057497.D
Acq: 22 May 2023 17:17

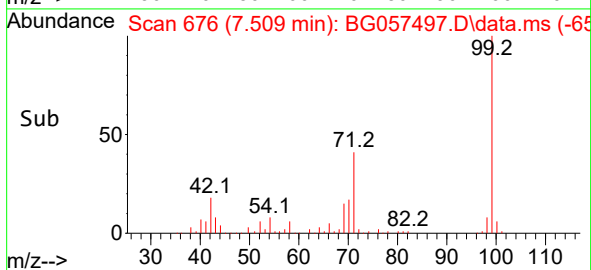
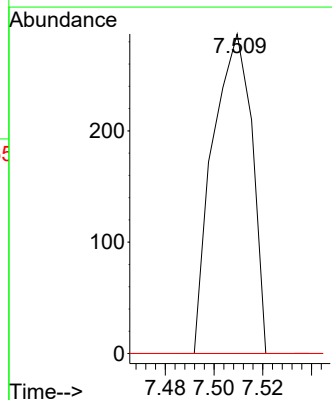
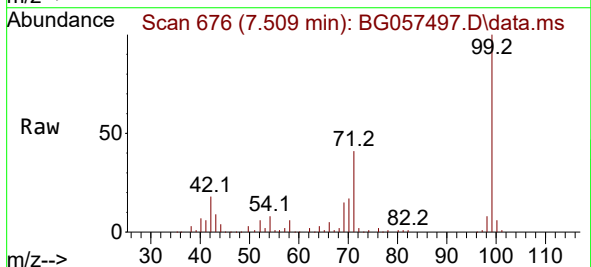
Instrument :
BNA_G
ClientSampleId :
ETGI-289

Tgt Ion: 99 Resp: 189242
Ion Ratio Lower Upper
99 100
42 16.9 15.1 22.7
71 40.3 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.509 min Scan# 676
Delta R.T. 0.023 min
Lab File: BG057497.D
Acq: 22 May 2023 17:17

Tgt Ion: 77 Resp: 320
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

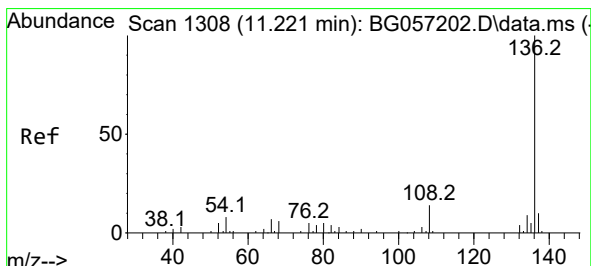
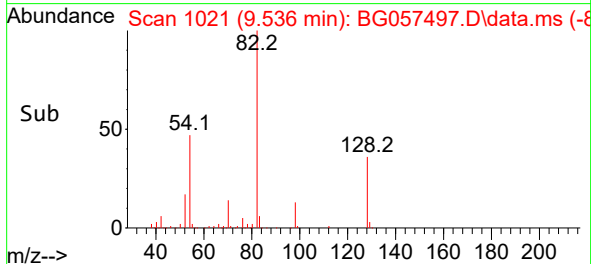
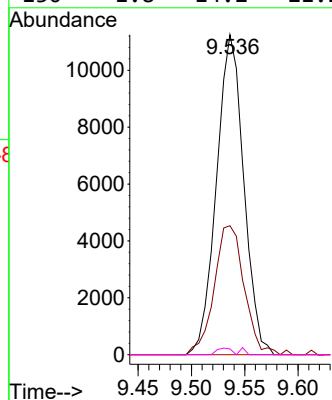
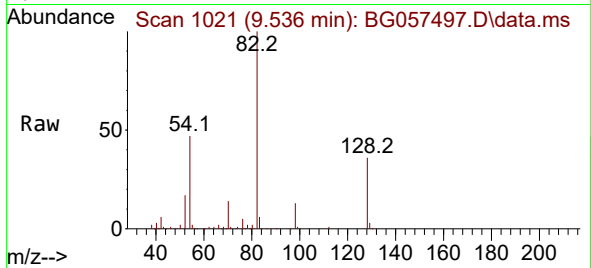




#19
n-Nitroso-di-n-propylamine
Concen: 14.056 ng
RT: 9.536 min Scan# 1021
Delta R.T. 0.376 min
Lab File: BG057497.D
Acq: 22 May 2023 17:17

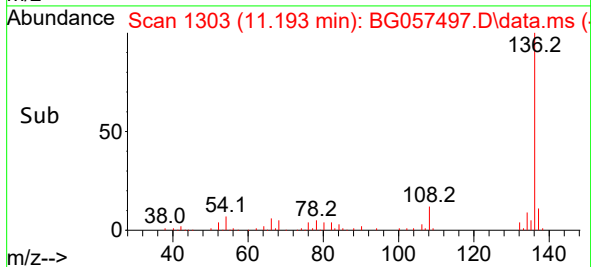
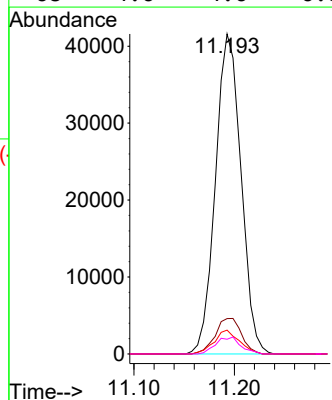
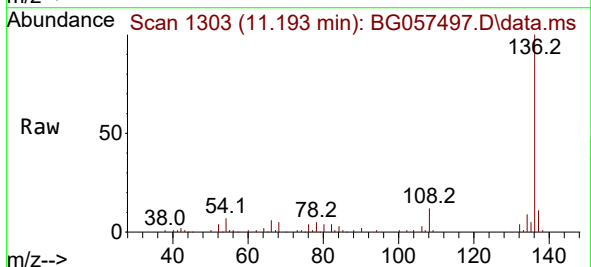
Instrument :
BNA_G
ClientSampleId :
ETGI-289

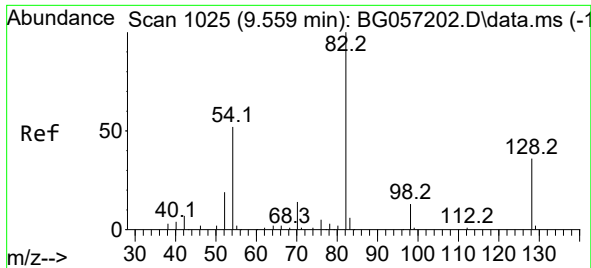
Tgt Ion: 70 Resp: 19963
Ion Ratio Lower Upper
70 100
42 40.3 41.8 62.8#
101 0.0 6.8 10.2#
130 1.8 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.193 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BG057497.D
Acq: 22 May 2023 17:17

Tgt Ion:136 Resp: 73414
Ion Ratio Lower Upper
136 100
137 11.1 8.3 12.5
54 7.5 6.7 10.1
68 4.6 4.6 6.8

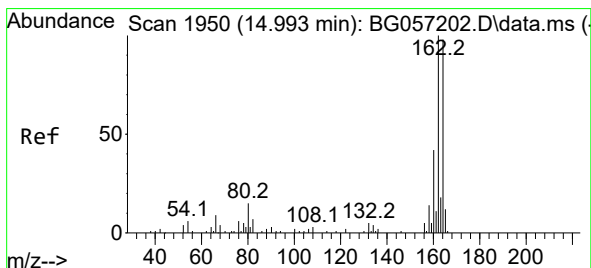
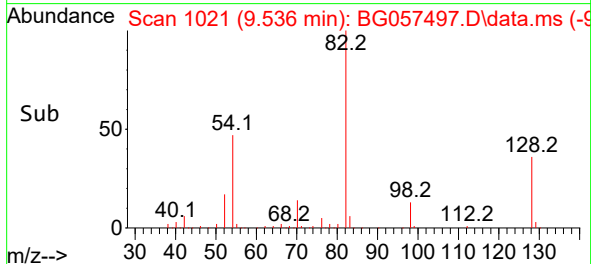
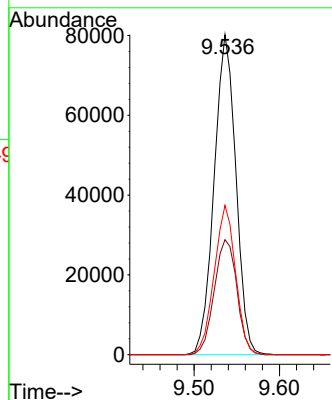
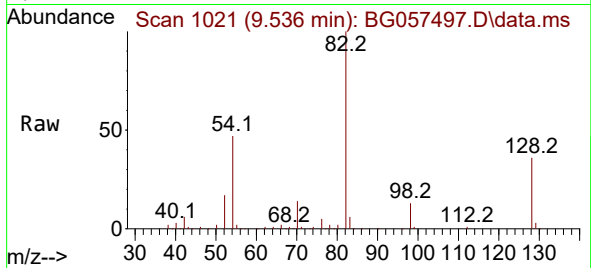




#23
Nitrobenzene-d5
Concen: 81.161 ng
RT: 9.536 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BG057497.D
Acq: 22 May 2023 17:17

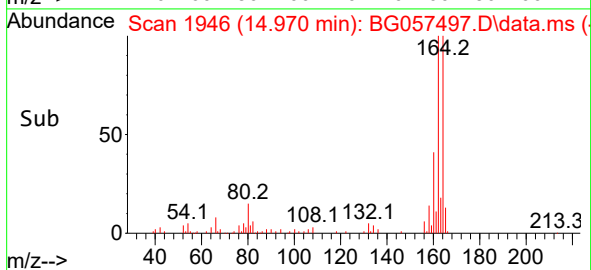
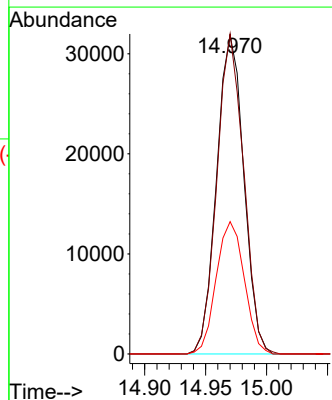
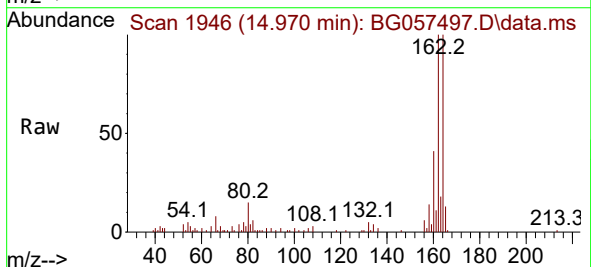
Instrument :
BNA_G
ClientSampleId :
ETGI-289

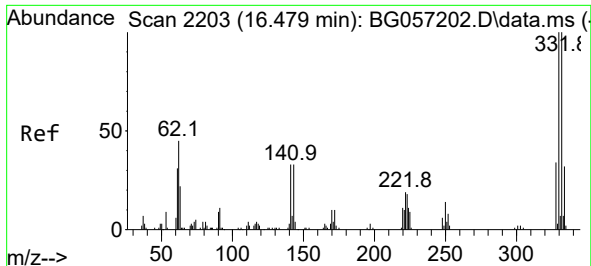
Tgt Ion: 82 Resp: 141964
Ion Ratio Lower Upper
82 100
128 35.9 29.0 43.4
54 46.6 41.4 62.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.970 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BG057497.D
Acq: 22 May 2023 17:17

Tgt Ion:164 Resp: 49393
Ion Ratio Lower Upper
164 100
162 100.3 81.8 122.6
160 41.5 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 137.923 ng

RT: 16.456 min Scan# 2199

Delta R.T. -0.000 min

Lab File: BG057497.D

Acq: 22 May 2023 17:17

Instrument :

BNA_G

ClientSampleId :

ETGI-289

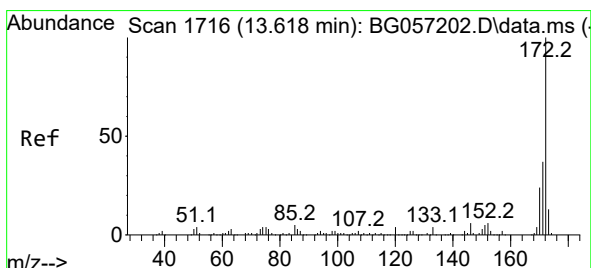
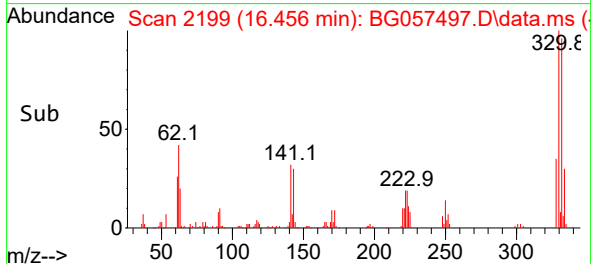
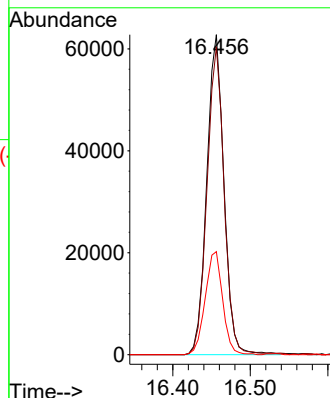
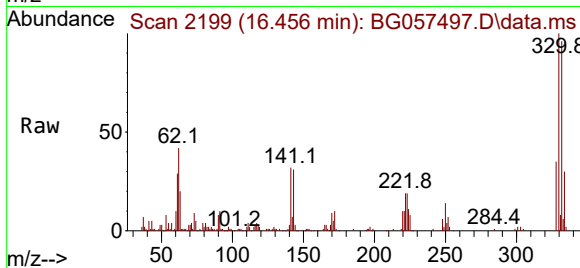
Tgt Ion:330 Resp: 96661

Ion Ratio Lower Upper

330 100

332 95.6 78.2 117.2

141 32.7 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 81.192 ng

RT: 13.595 min Scan# 1712

Delta R.T. -0.006 min

Lab File: BG057497.D

Acq: 22 May 2023 17:17

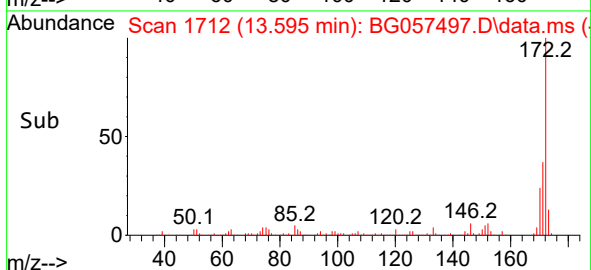
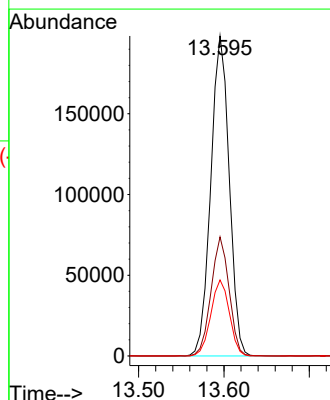
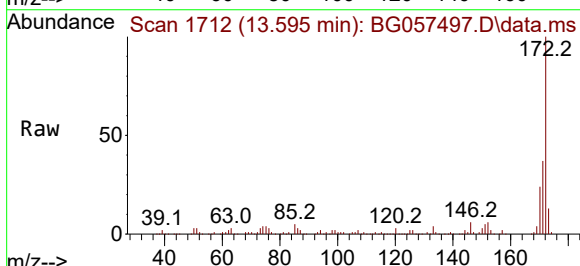
Tgt Ion:172 Resp: 297765

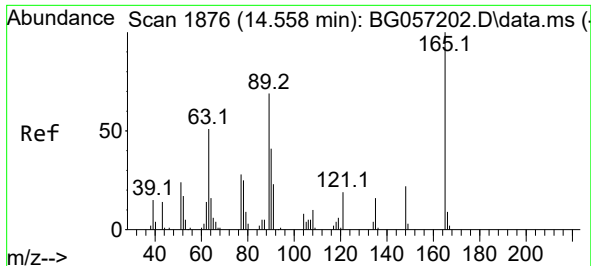
Ion Ratio Lower Upper

172 100

171 37.2 29.4 44.0

170 23.8 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 7.765 ng

RT: 14.970 min Scan# 1946

Delta R.T. 0.428 min

Lab File: BG057497.D

Acq: 22 May 2023 17:17

Instrument :

BNA_G

ClientSampleId :

ETGI-289

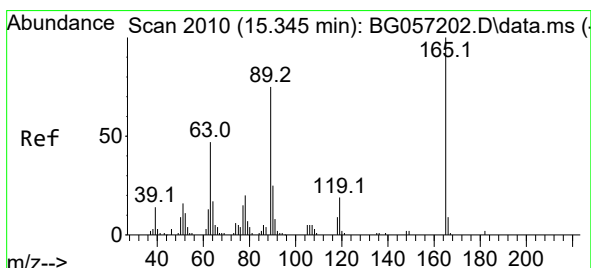
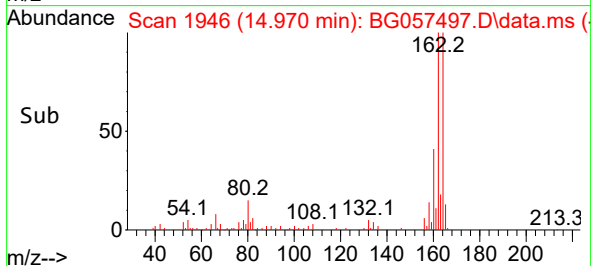
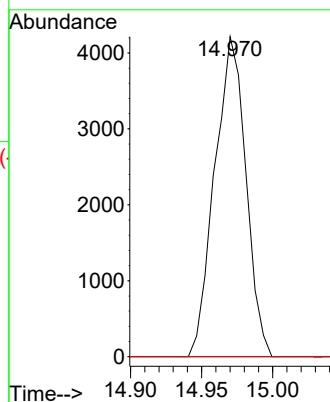
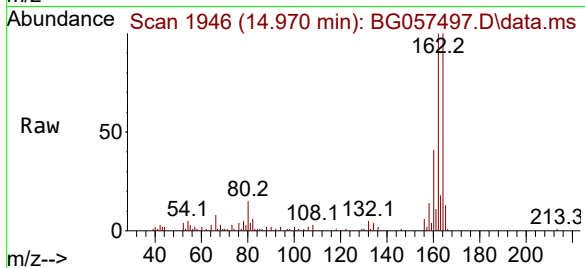
Tgt Ion:165 Resp: 6435

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: 5.433 ng

RT: 14.970 min Scan# 1946

Delta R.T. -0.359 min

Lab File: BG057497.D

Acq: 22 May 2023 17:17

Tgt Ion:165 Resp: 6435

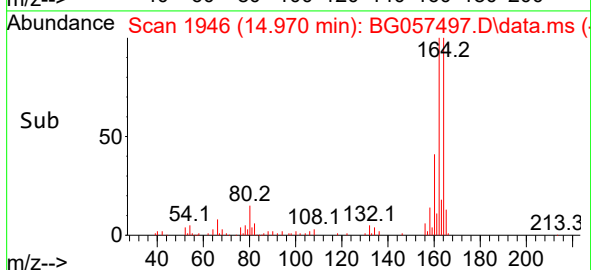
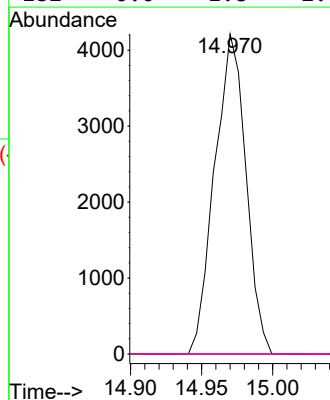
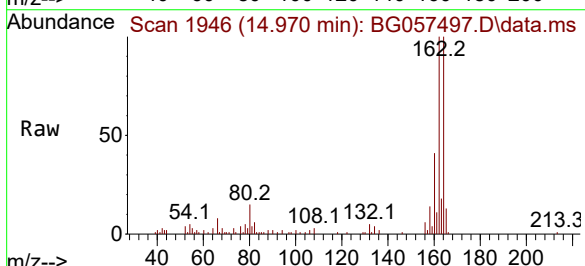
Ion Ratio Lower Upper

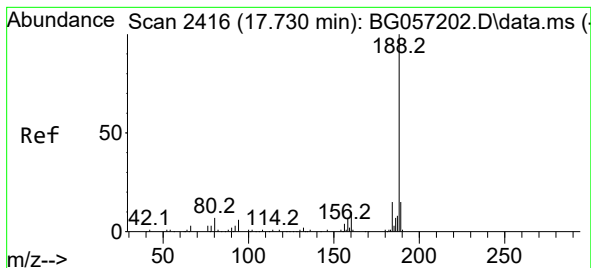
165 100

63 0.0 37.5 56.3#

89 0.0 60.2 90.4#

182 0.0 1.8 2.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.707 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BG057497.D

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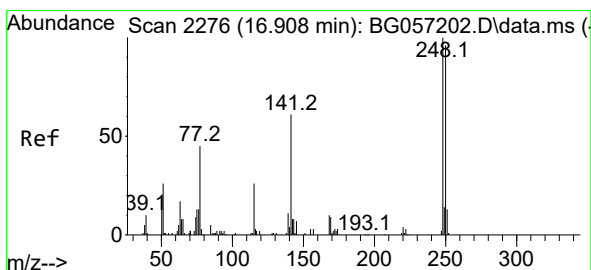
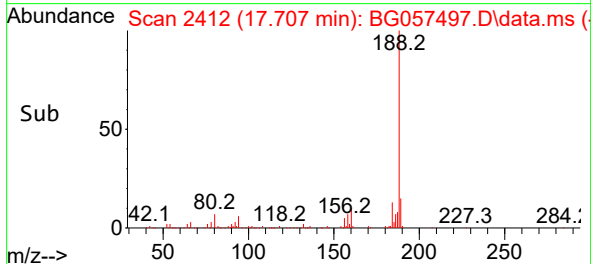
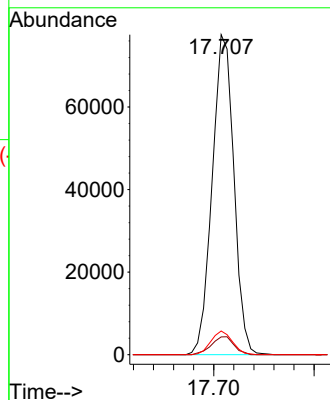
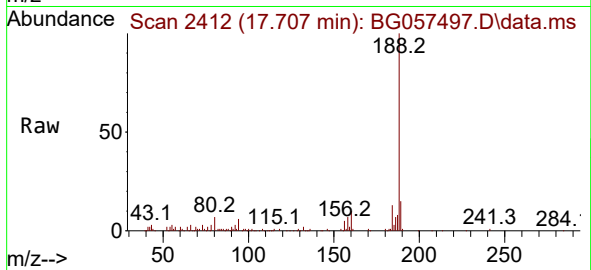
Tgt Ion:188 Resp: 116238

Ion Ratio Lower Upper

188 100

94 5.6 5.1 7.7

80 7.4 5.7 8.5



#67

4-Bromophenyl-phenylether

Concen: 4.507 ng

RT: 16.450 min Scan# 2198

Delta R.T. -0.435 min

Lab File: BG057497.D

Acq: 22 May 2023 17:17

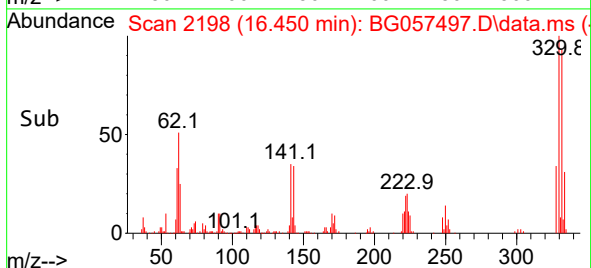
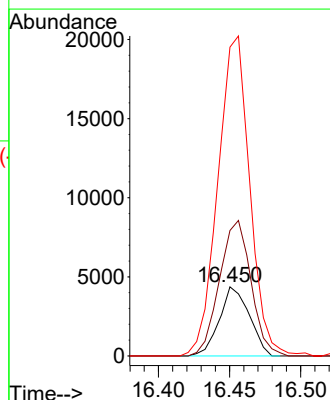
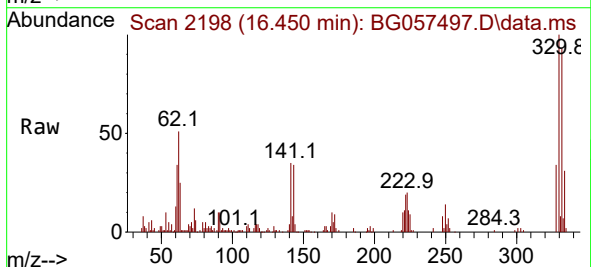
Tgt Ion:248 Resp: 6396

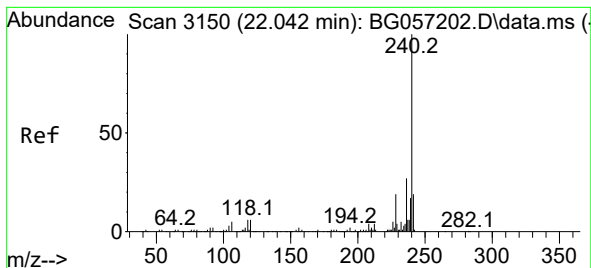
Ion Ratio Lower Upper

248 100

250 181.5 77.0 115.6#

141 446.5 48.6 72.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.013 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG057497.D

Acq: 22 May 2023 17:17

Instrument :

BNA_G

ClientSampleId :

ETGI-289

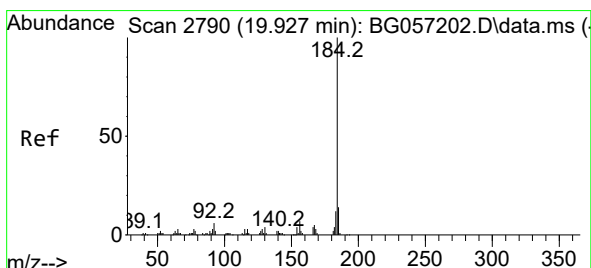
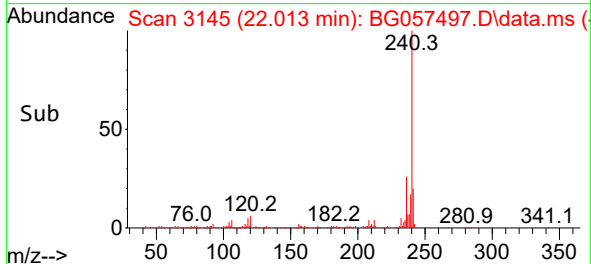
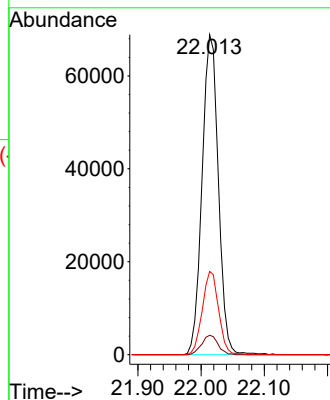
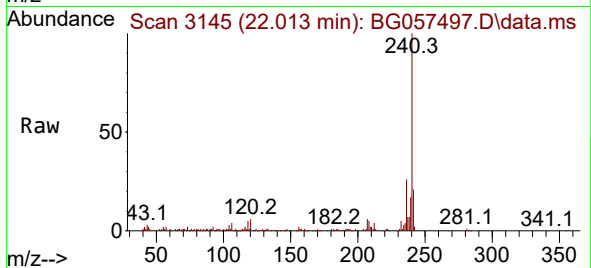
Tgt Ion:240 Resp: 123205

Ion Ratio Lower Upper

240 100

120 6.1 4.9 7.3

236 26.0 21.4 32.2



#77

Benzidine

Concen: 2.000 ng

RT: 19.910 min Scan# 2787

Delta R.T. -0.000 min

Lab File: BG057497.D

Acq: 22 May 2023 17:17

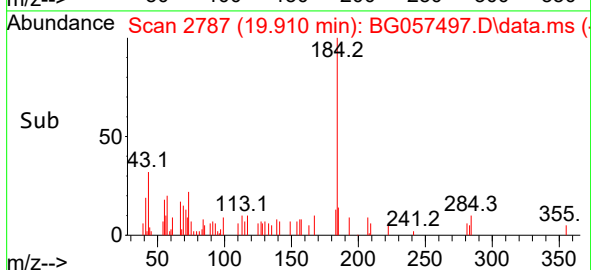
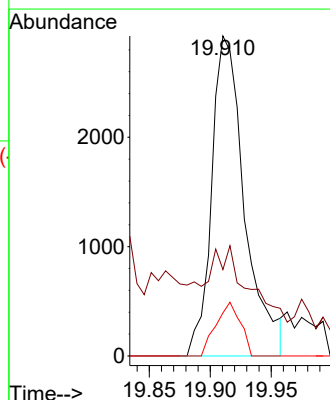
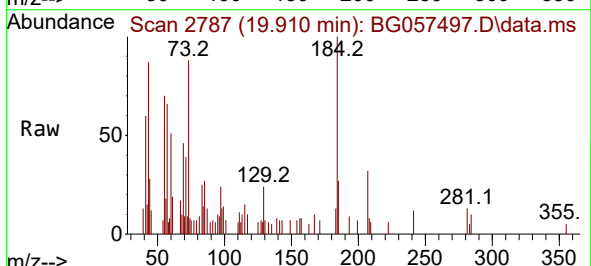
Tgt Ion:184 Resp: 5509

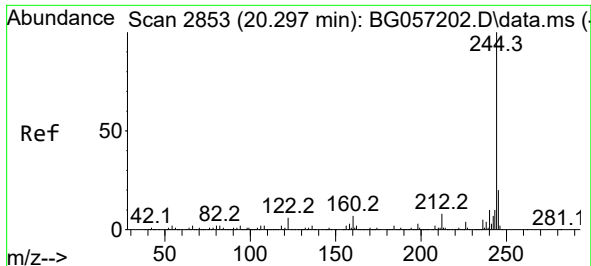
Ion Ratio Lower Upper

184 100

185 27.0 11.1 16.7#

183 13.4 9.9 14.9

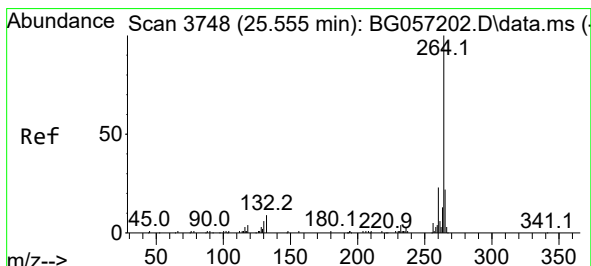
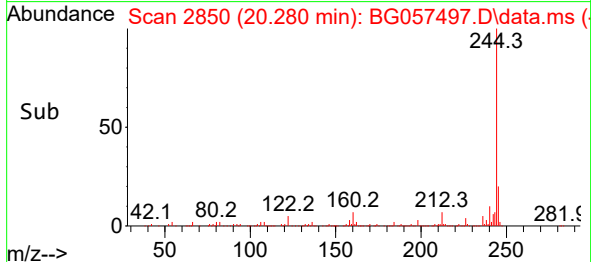
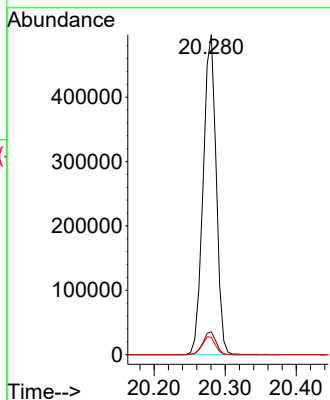
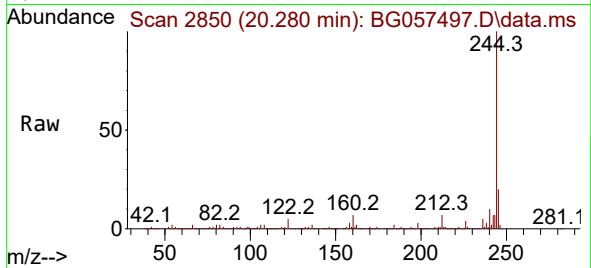




#79
 Terphenyl-d14
 Concen: 84.003 ng
 RT: 20.280 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG057497.D
 Acq: 22 May 2023 17:17

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-289

Tgt Ion:244 Resp: 634196
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 5.5 5.1 7.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.509 min Scan# 3740
 Delta R.T. -0.006 min
 Lab File: BG057497.D
 Acq: 22 May 2023 17:17

Tgt Ion:264 Resp: 132702
 Ion Ratio Lower Upper
 264 100
 260 22.0 18.8 28.2
 265 22.0 17.9 26.9

