

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051223\
 Data File : BG057429.D
 Acq On : 13 May 2023 6:07
 Operator : CG/JU
 Sample : PB152613TB
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB152613TB

Quant Time: May 13 06:44:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 12 22:04:03 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

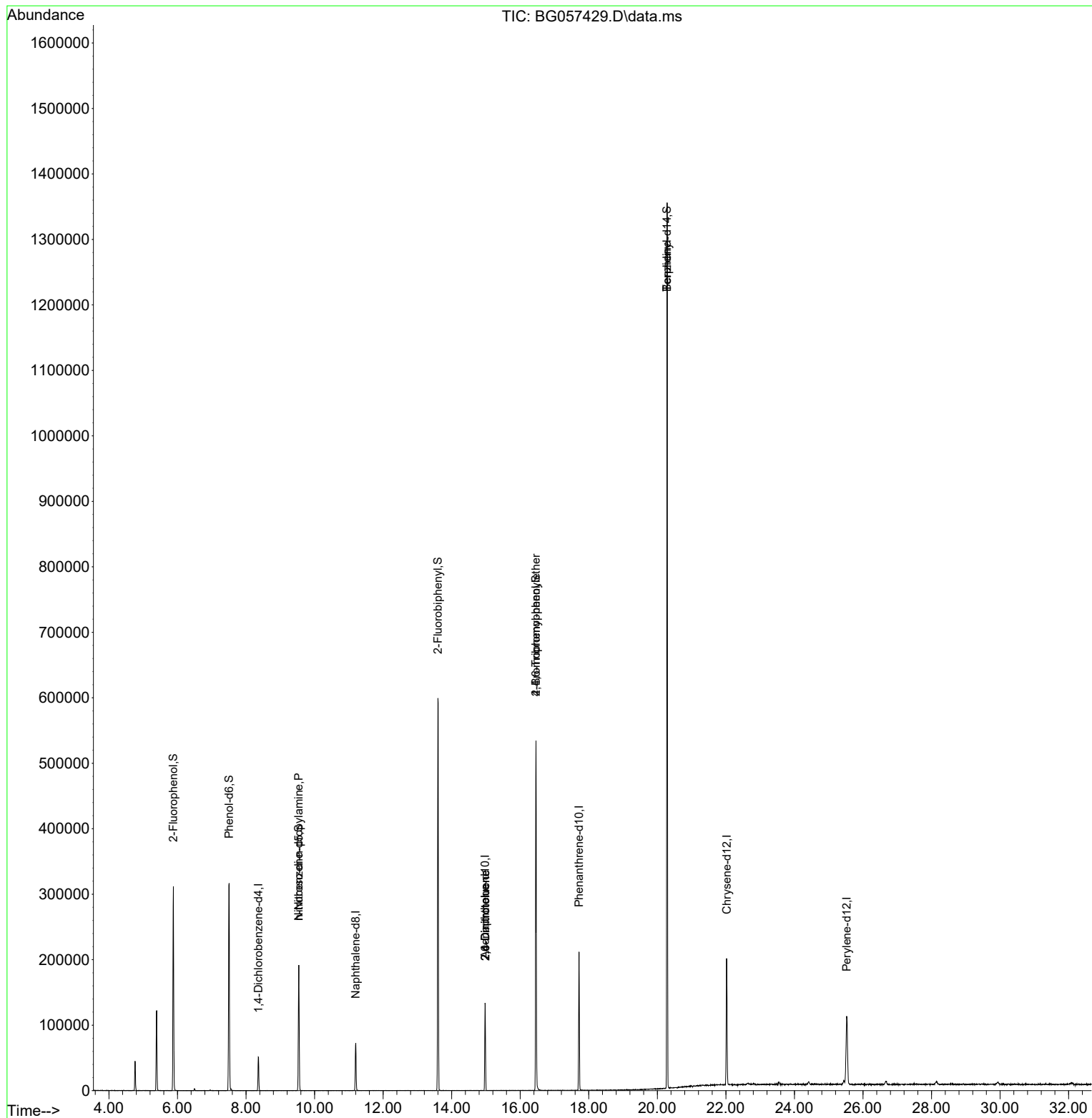
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.364	152	15468	20.000	ng	0.00
21) Naphthalene-d8	11.201	136	61721	20.000	ng	0.00
39) Acenaphthene-d10	14.973	164	49732	20.000	ng	0.00
64) Phenanthrene-d10	17.716	188	138575	20.000	ng	0.00
76) Chrysene-d12	22.022	240	132557	20.000	ng	-0.01
86) Perylene-d12	25.523	264	136895	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.879	112	132058	146.043	ng	0.00
7) Phenol-d6	7.506	99	193735	141.091	ng	0.00
23) Nitrobenzene-d5	9.539	82	121097	82.347	ng	0.00
42) 2,4,6-Tribromophenol	16.459	330	110306	156.319	ng	0.00
45) 2-Fluorobiphenyl	13.598	172	331669	89.820	ng	0.00
79) Terphenyl-d14	20.283	244	729709	89.835	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.501	77	223	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.539	70	16596	15.851	ng	# 76
51) 2,6-Dinitrotoluene	14.979	165	6678	8.003	ng	# 17
57) 2,4-Dinitrotoluene	14.979	165	6678	5.600	ng	# 20
67) 4-Bromophenyl-phenylether	16.459	248	7605	4.496	ng	# 1
77) Benzidine	20.283	184	10677	3.603	ng	# 94

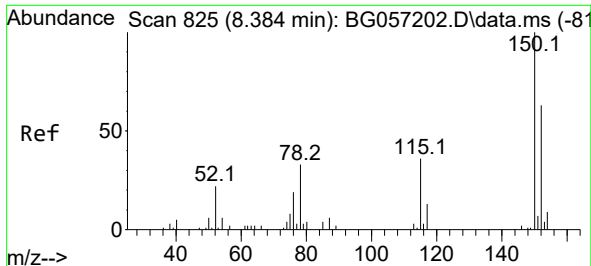
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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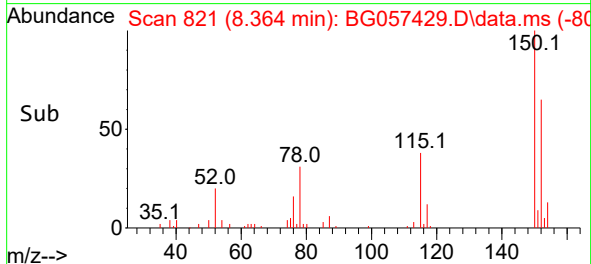
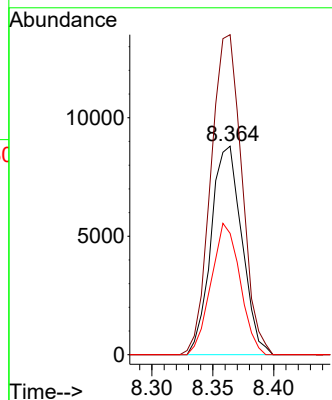
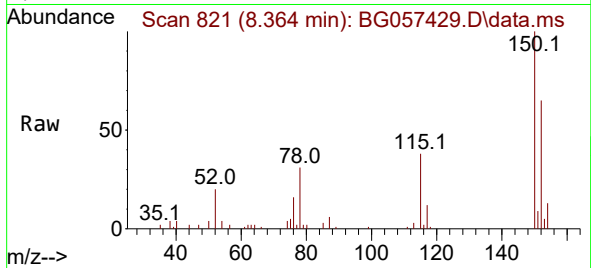




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.364 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG057429.D
Acq: 13 May 2023 6:07

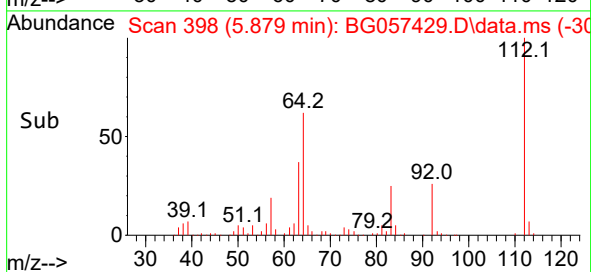
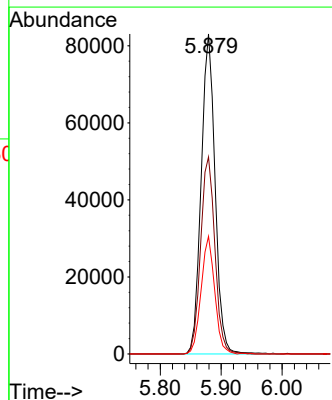
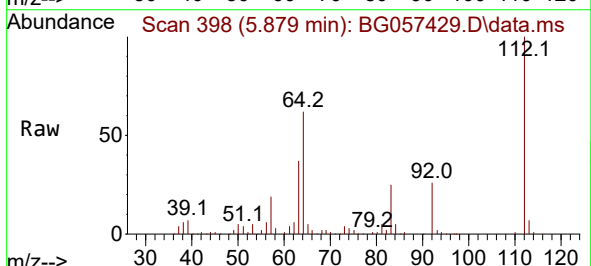
Instrument :
BNA_G
ClientSampleId :
PB152613TB

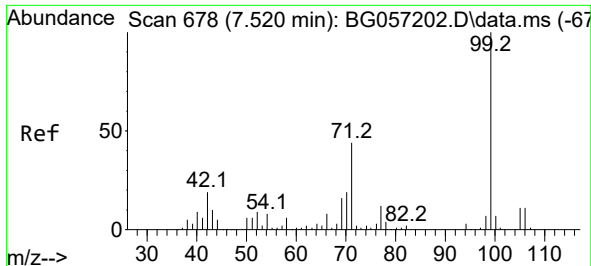
Tgt Ion:152 Resp: 15468
Ion Ratio Lower Upper
152 100
150 153.5 126.2 189.4
115 58.2 45.0 67.4



#5
2-Fluorophenol
Concen: 146.043 ng
RT: 5.879 min Scan# 398
Delta R.T. 0.001 min
Lab File: BG057429.D
Acq: 13 May 2023 6:07

Tgt Ion:112 Resp: 132058
Ion Ratio Lower Upper
112 100
64 61.6 49.4 74.2
63 36.7 31.6 47.4

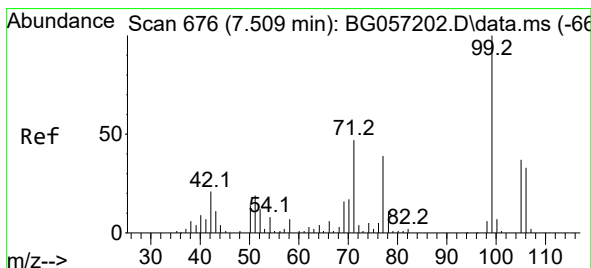
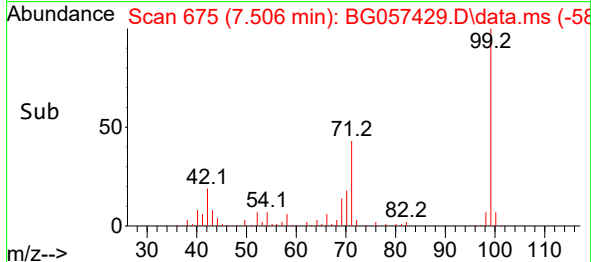
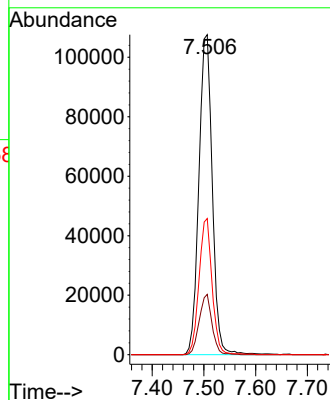
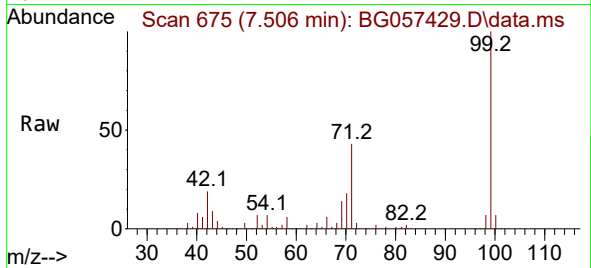




#7
Phenol-d6
Concen: 141.091 ng
RT: 7.506 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG057429.D
Acq: 13 May 2023 6:07

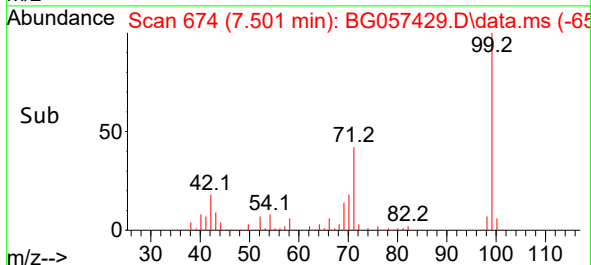
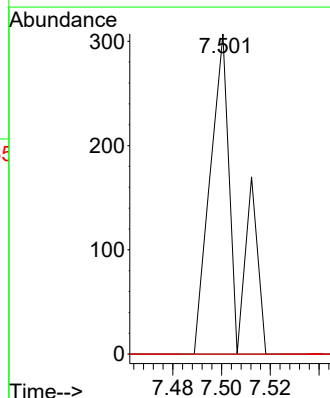
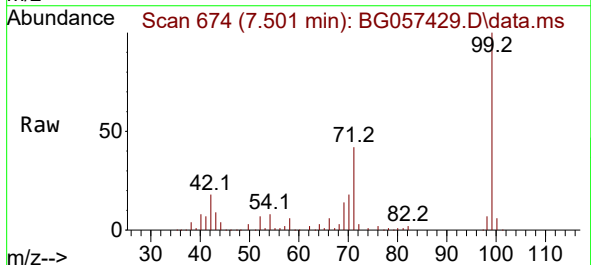
Instrument :
BNA_G
ClientSampleId :
PB152613TB

Tgt Ion: 99 Resp: 193735
Ion Ratio Lower Upper
99 100
42 18.8 15.1 22.7
71 42.6 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.501 min Scan# 674
Delta R.T. 0.012 min
Lab File: BG057429.D
Acq: 13 May 2023 6:07

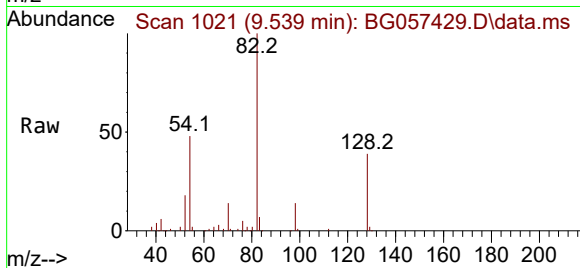
Tgt Ion: 77 Resp: 223
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#



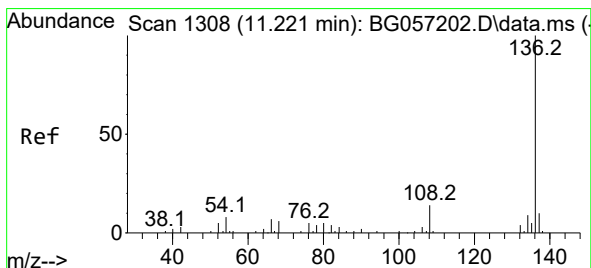
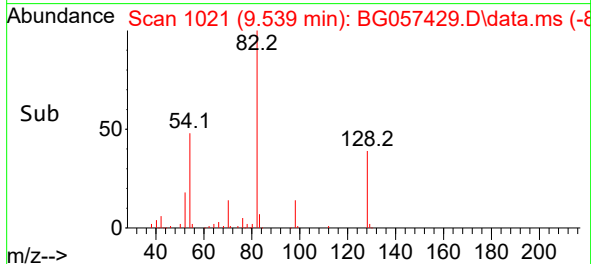
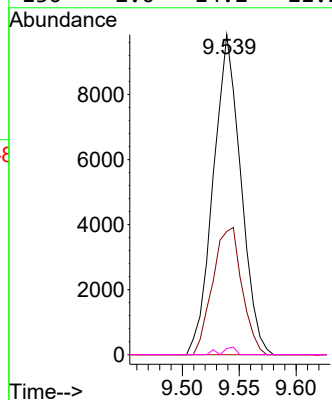


#19
n-Nitroso-di-n-propylamine
Concen: 15.851 ng
RT: 9.539 min Scan# 1021
Delta R.T. 0.371 min
Lab File: BG057429.D
Acq: 13 May 2023 6:07

Instrument :
BNA_G
ClientSampleId :
PB152613TB

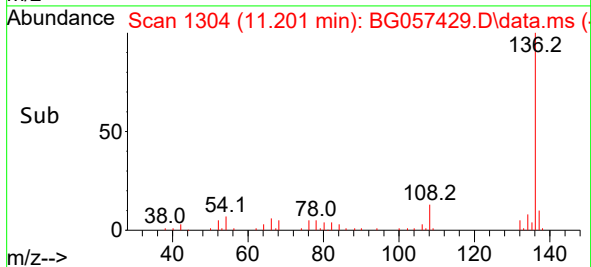
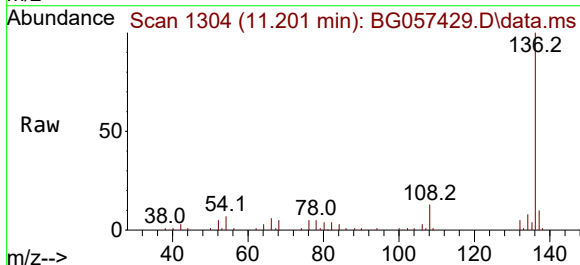
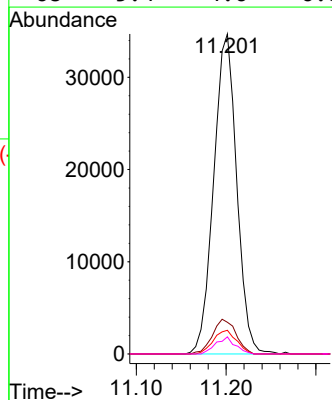


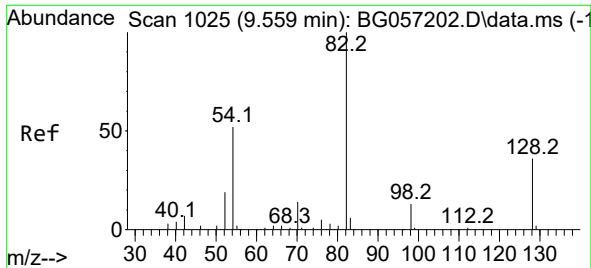
Tgt Ion: 70 Resp: 16596
Ion Ratio Lower Upper
70 100
42 38.5 41.8 62.8#
101 0.0 6.8 10.2#
130 2.0 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.201 min Scan# 1304
Delta R.T. 0.001 min
Lab File: BG057429.D
Acq: 13 May 2023 6:07

Tgt Ion: 136 Resp: 61721
Ion Ratio Lower Upper
136 100
137 9.9 8.3 12.5
54 7.4 6.7 10.1
68 5.4 4.6 6.8





#23
Nitrobenzene-d5
Concen: 82.347 ng
RT: 9.539 min Scan# 1021
Delta R.T. -0.005 min
Lab File: BG057429.D
Acq: 13 May 2023 6:07

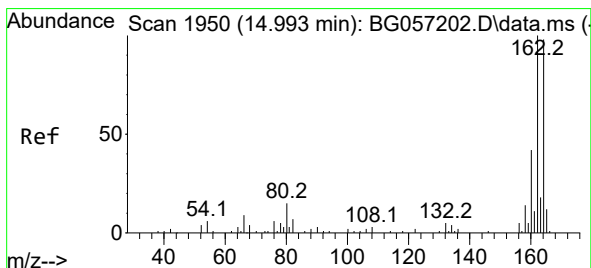
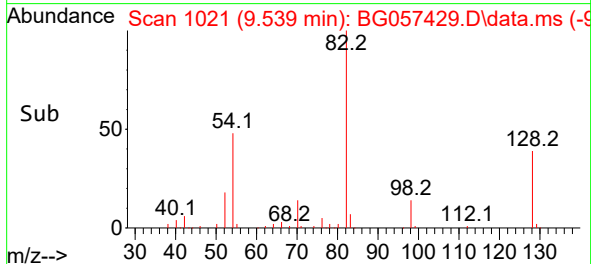
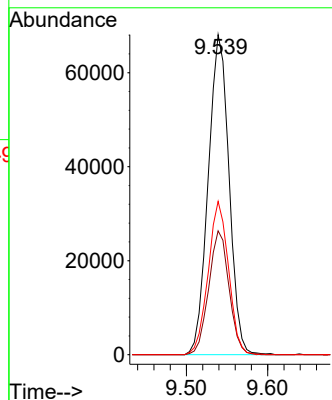
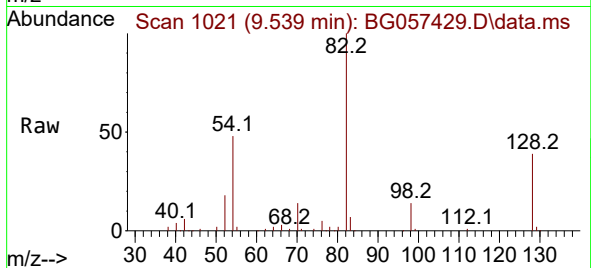
Instrument :

BNA_G

ClientSampleId :

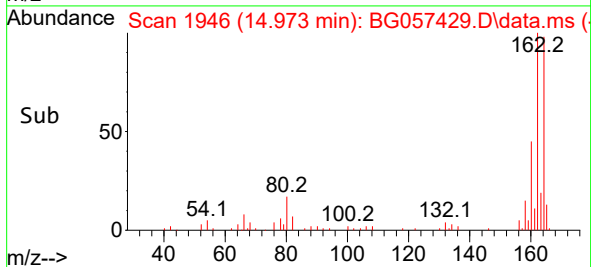
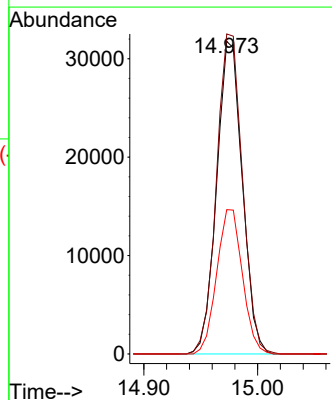
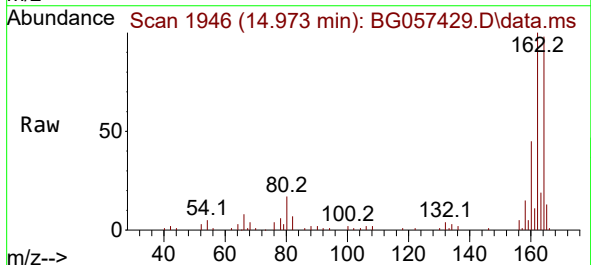
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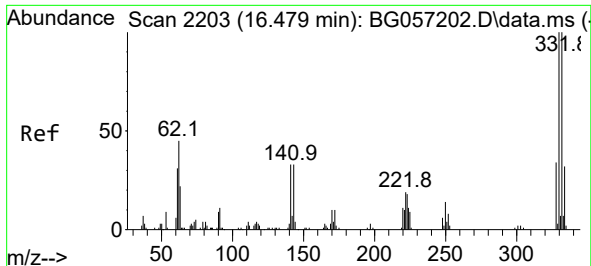
Tgt Ion: 82 Resp: 121097
Ion Ratio Lower Upper
82 100
128 38.7 29.0 43.4
54 47.9 41.4 62.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.973 min Scan# 1946
Delta R.T. -0.005 min
Lab File: BG057429.D
Acq: 13 May 2023 6:07

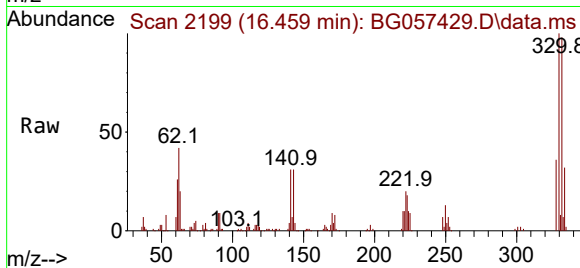
Tgt Ion:164 Resp: 49732
Ion Ratio Lower Upper
164 100
162 102.4 81.8 122.6
160 46.1 34.6 52.0



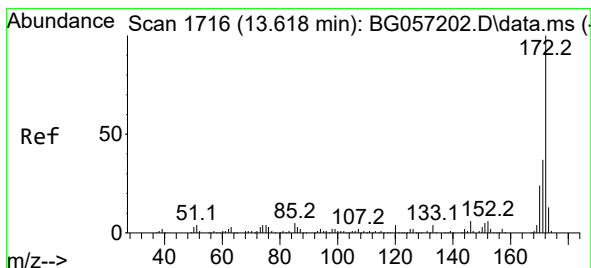
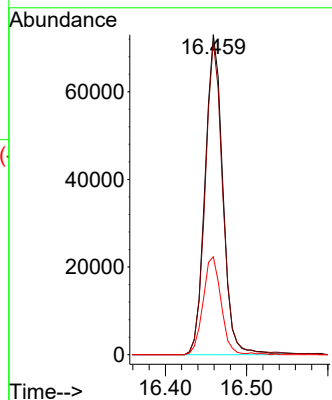
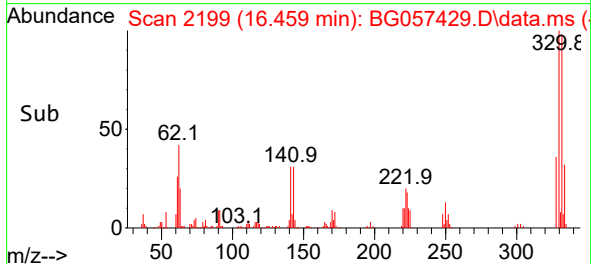


#42
2,4,6-Tribromophenol
Concen: 156.319 ng
RT: 16.459 min Scan# 2199
Delta R.T. -0.005 min
Lab File: BG057429.D
Acq: 13 May 2023 6:07

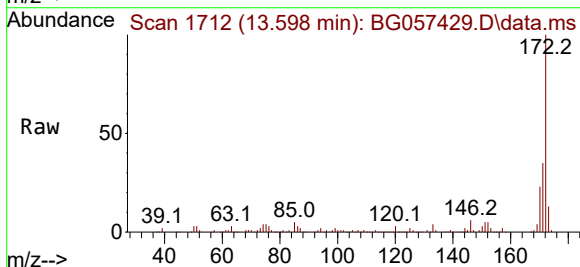
Instrument :
BNA_G
ClientSampleId :
PB152613TB



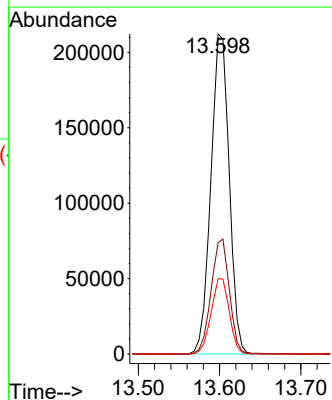
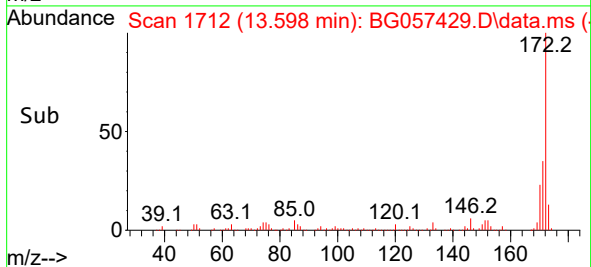
Tgt Ion:330 Resp: 110306
Ion Ratio Lower Upper
330 100
332 97.9 78.2 117.2
141 30.9 27.8 41.8

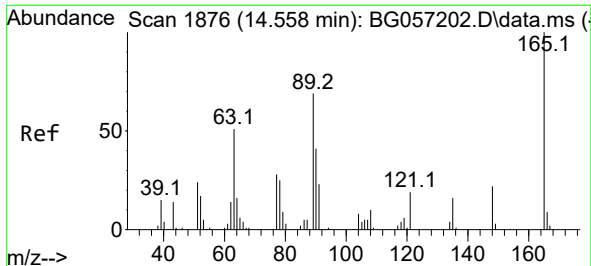


#45
2-Fluorobiphenyl
Concen: 89.820 ng
RT: 13.598 min Scan# 1712
Delta R.T. -0.005 min
Lab File: BG057429.D
Acq: 13 May 2023 6:07



Tgt Ion:172 Resp: 331669
Ion Ratio Lower Upper
172 100
171 34.8 29.4 44.0
170 23.5 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.003 ng

RT: 14.979 min Scan# 1947

Delta R.T. 0.429 min

Lab File: BG057429.D

Acq: 13 May 2023 6:07

Instrument :

BNA_G

ClientSampleId :

PB152613TB

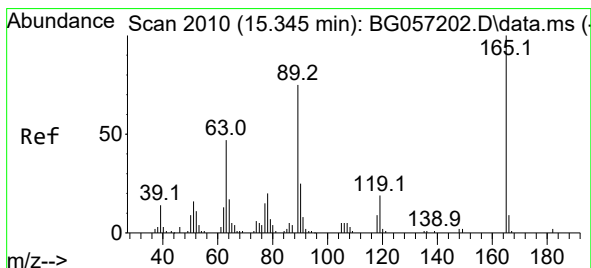
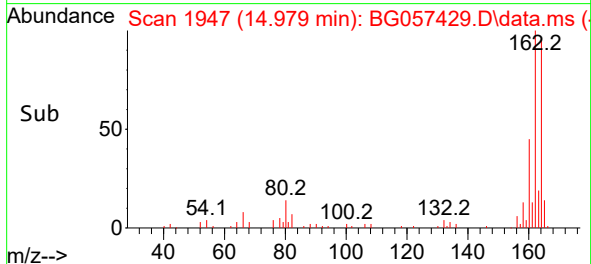
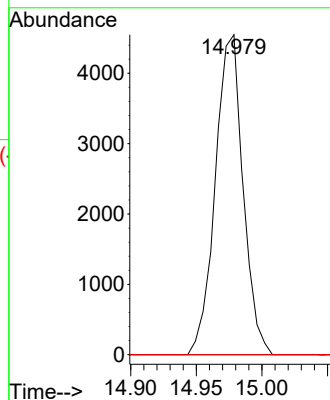
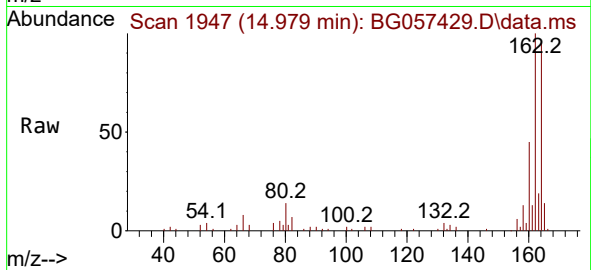
Tgt Ion:165 Resp: 6678

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: 5.600 ng

RT: 14.979 min Scan# 1947

Delta R.T. -0.358 min

Lab File: BG057429.D

Acq: 13 May 2023 6:07

Tgt Ion:165 Resp: 6678

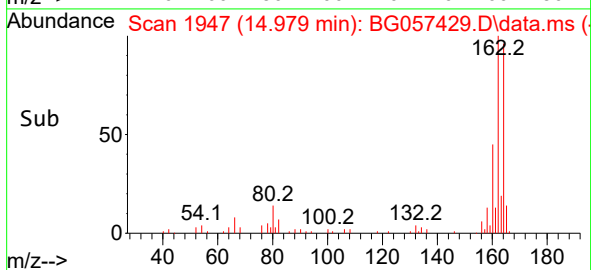
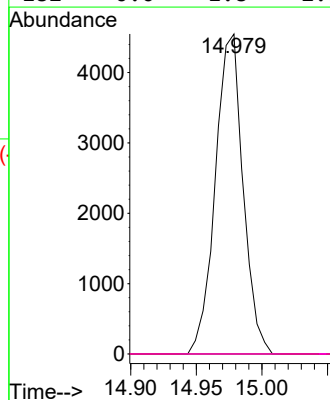
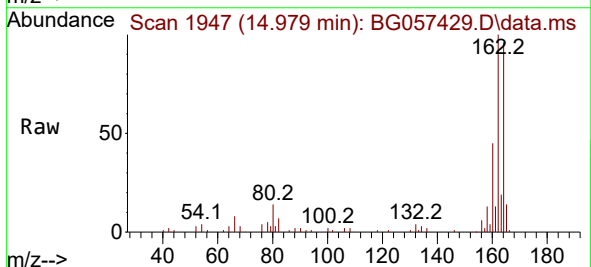
Ion Ratio Lower Upper

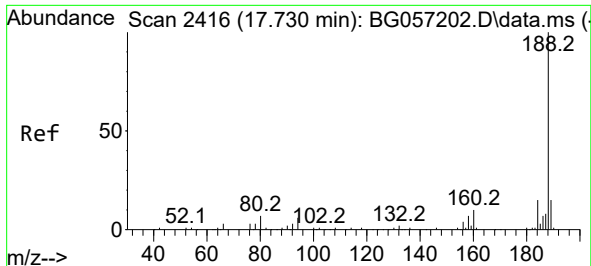
165 100

63 0.0 37.5 56.3#

89 0.0 60.2 90.4#

182 0.0 1.8 2.8#

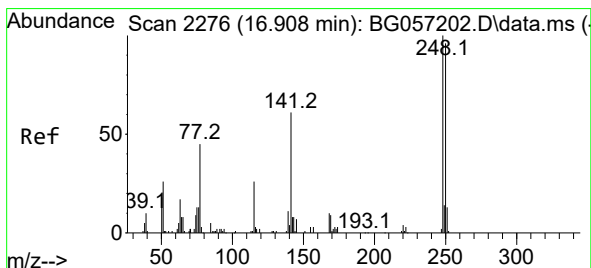
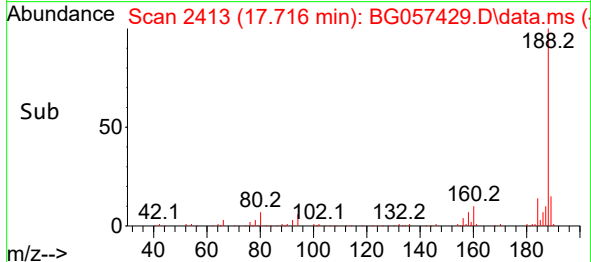
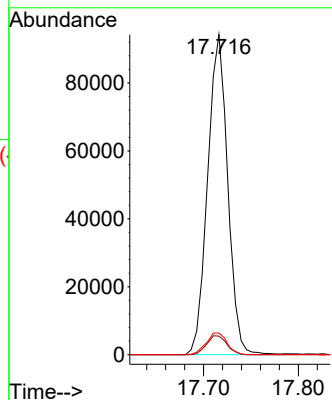
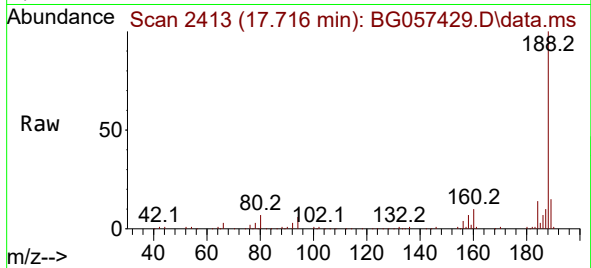




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.716 min Scan# 2416
Delta R.T. -0.005 min
Lab File: BG057429.D
Acq: 13 May 2023 6:07

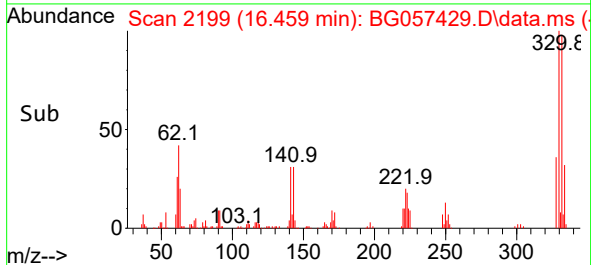
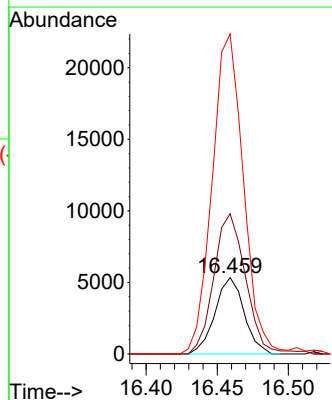
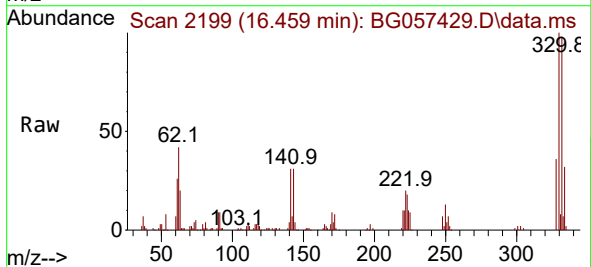
Instrument :
BNA_G
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PB152613TB

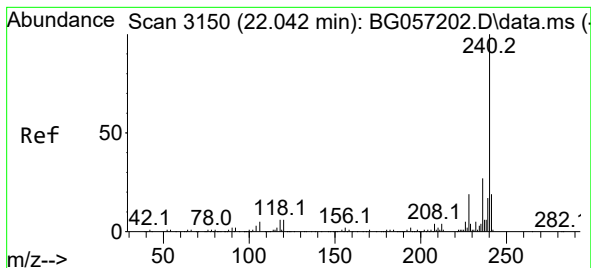
Tgt Ion:188 Resp: 138575
Ion Ratio Lower Upper
188 100
94 5.8 5.1 7.7
80 6.8 5.7 8.5



#67
4-Bromophenyl-phenylether
Concen: 4.496 ng
RT: 16.459 min Scan# 2199
Delta R.T. -0.434 min
Lab File: BG057429.D
Acq: 13 May 2023 6:07

Tgt Ion:248 Resp: 7605
Ion Ratio Lower Upper
248 100
250 183.8 77.0 115.6#
141 419.5 48.6 72.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.022 min Scan# 31

Delta R.T. -0.011 min

Lab File: BG057429.D

Acq: 13 May 2023 6:07

Instrument :

BNA_G

ClientSampleId :

PB152613TB

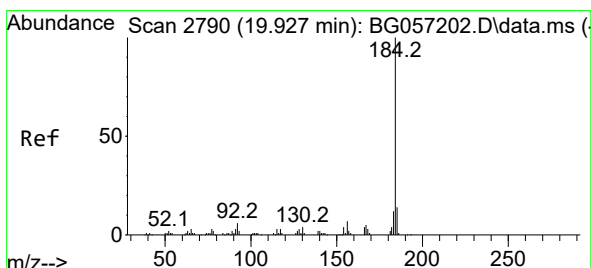
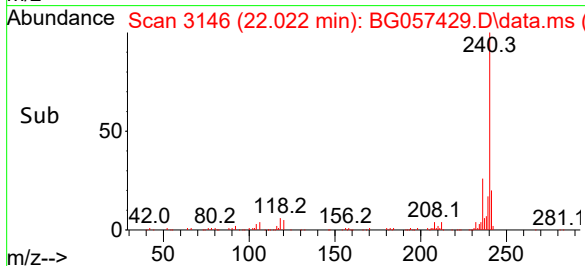
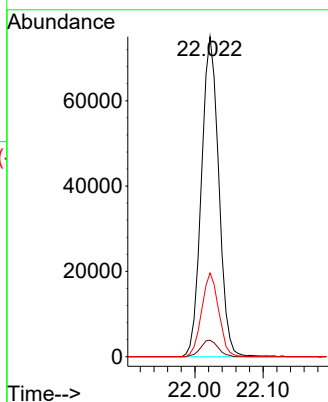
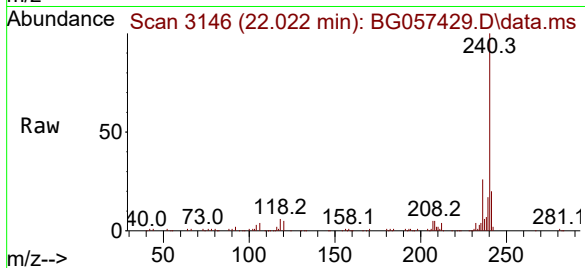
Tgt Ion:240 Resp: 132557

Ion Ratio Lower Upper

240 100

120 5.2 4.9 7.3

236 26.2 21.4 32.2



#77

Benzidine

Concen: 3.603 ng

RT: 20.283 min Scan# 2850

Delta R.T. 0.365 min

Lab File: BG057429.D

Acq: 13 May 2023 6:07

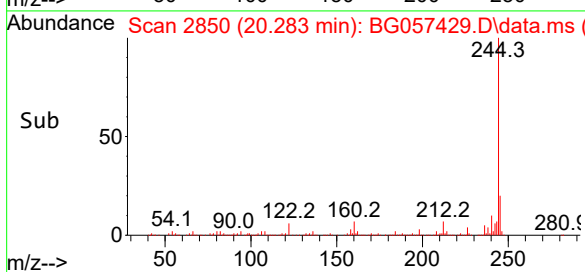
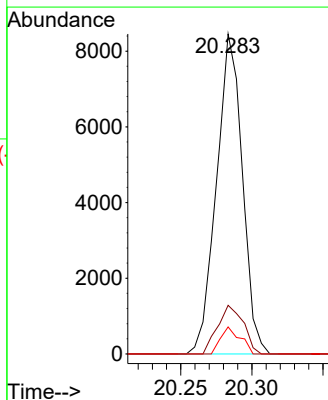
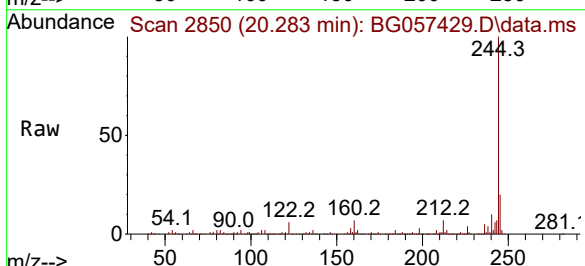
Tgt Ion:184 Resp: 10677

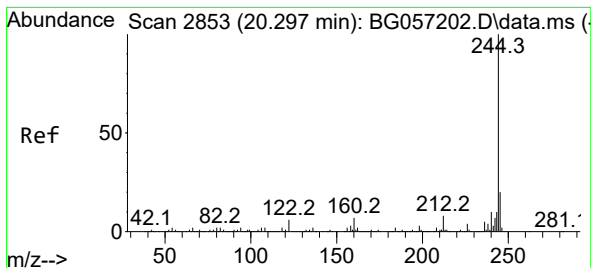
Ion Ratio Lower Upper

184 100

185 15.2 11.1 16.7

183 8.4 9.9 14.9#





#79

Terphenyl-d14

Concen: 89.835 ng

RT: 20.283 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG057429.D

Acq: 13 May 2023 6:07

Instrument :

BNA_G

ClientSampleId :

PB152613TB

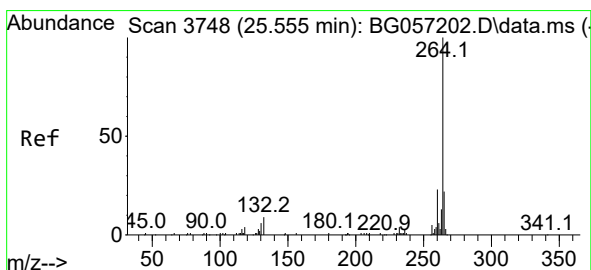
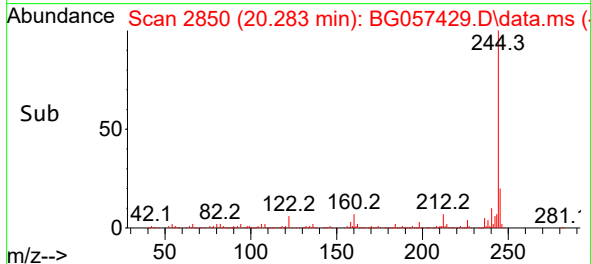
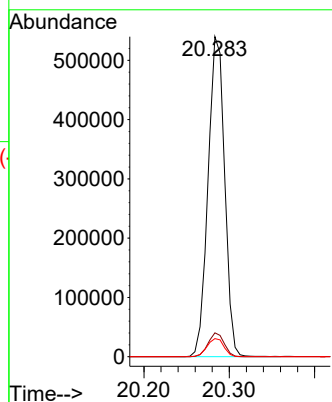
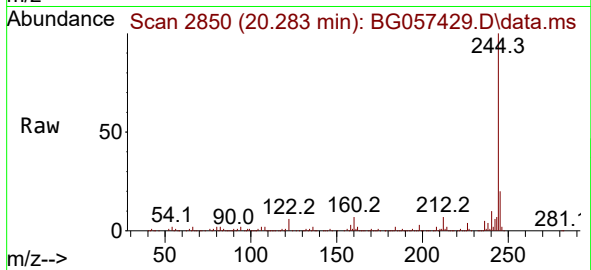
Tgt Ion:244 Resp: 729709

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

122 5.7 5.1 7.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.523 min Scan# 3742

Delta R.T. -0.011 min

Lab File: BG057429.D

Acq: 13 May 2023 6:07

Tgt Ion:264 Resp: 136895

Ion Ratio Lower Upper

264 100

260 21.6 18.8 28.2

265 21.6 17.9 26.9

