

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
 Data File : BG057541.D
 Acq On : 24 May 2023 19:34
 Operator : CG/JU
 Sample : 02899-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB08

Quant Time: May 25 02:26:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 02:19:01 2023
 Response via : Initial Calibration

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

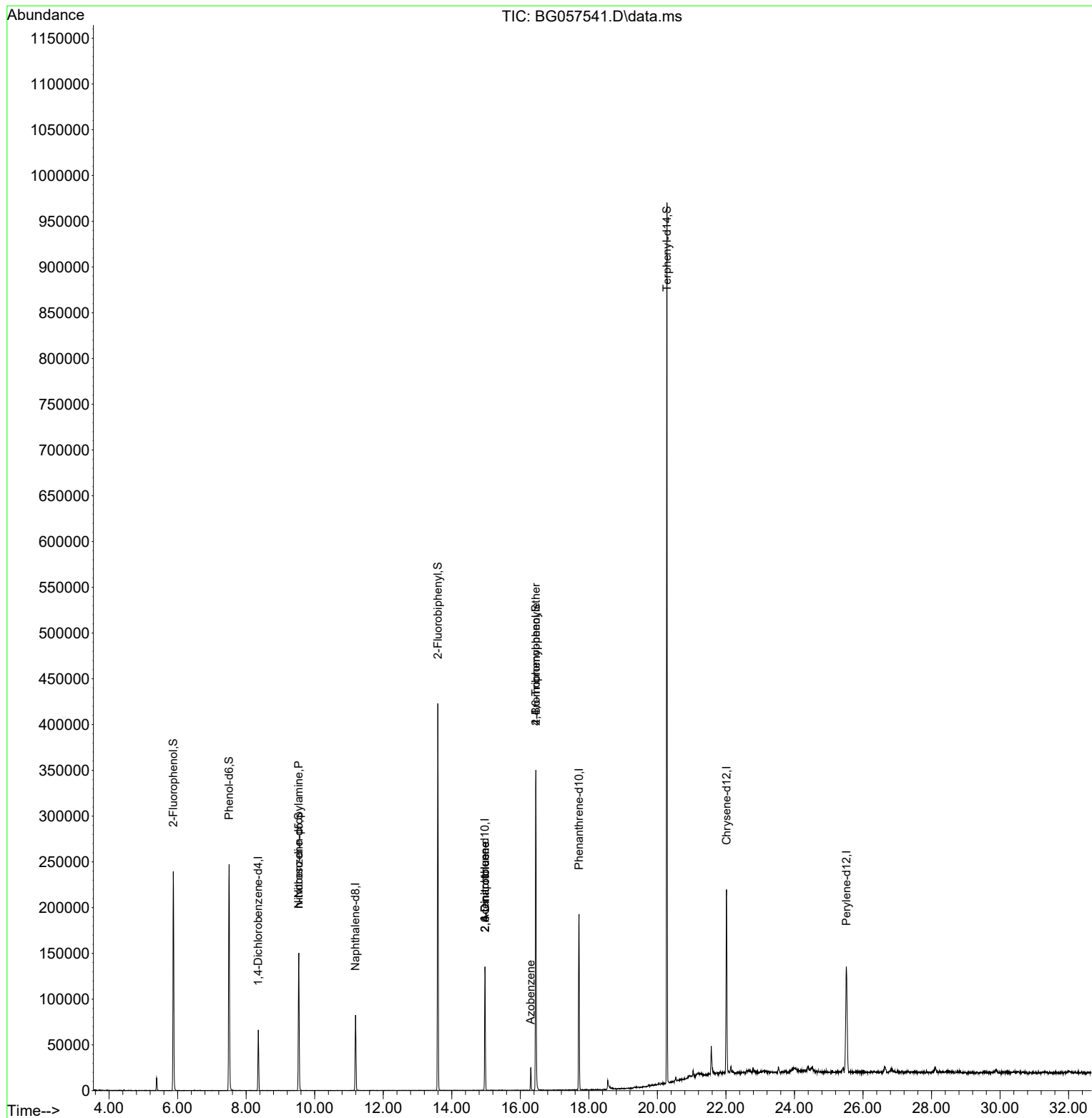
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.354	152	19154	20.000	ng	-0.01
21) Naphthalene-d8	11.192	136	73435	20.000	ng	#-0.01
39) Acenaphthene-d10	14.969	164	50177	20.000	ng	-0.01
64) Phenanthrene-d10	17.712	188	128397	20.000	ng	-0.01
76) Chrysene-d12	22.018	240	135487	20.000	ng	-0.02
86) Perylene-d12	25.519	264	140285	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.875	112	108313	96.732	ng	0.00
7) Phenol-d6	7.502	99	154960	91.135	ng	0.00
23) Nitrobenzene-d5	9.535	82	98178	56.112	ng	-0.01
42) 2,4,6-Tribromophenol	16.455	330	76528	107.489	ng	-0.01
45) 2-Fluorobiphenyl	13.594	172	228663	61.375	ng	-0.01
79) Terphenyl-d14	20.279	244	498287	60.018	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.502	77	252	Below Cal	Qvalue	# 4
19) n-Nitroso-di-n-propyla...	9.535	70	13417	10.348	ng	# 77
51) 2,6-Dinitrotoluene	14.975	165	6459	7.672	ng	# 17
57) 2,4-Dinitrotoluene	14.975	165	6459	5.368	ng	# 20
63) Azobenzene	16.302	77	8099	2.005	ng	# 5
67) 4-Bromophenyl-phenylether	16.455	248	5139	3.279	ng	# 1

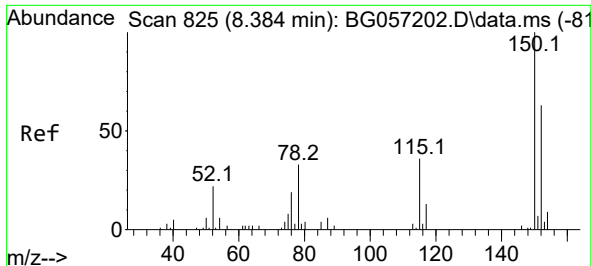
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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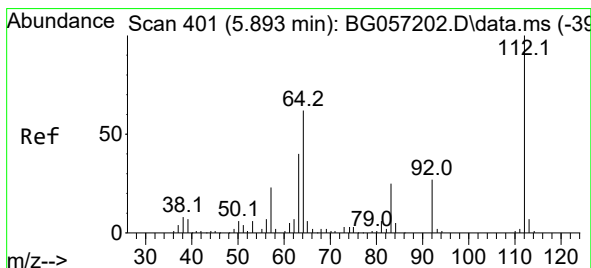
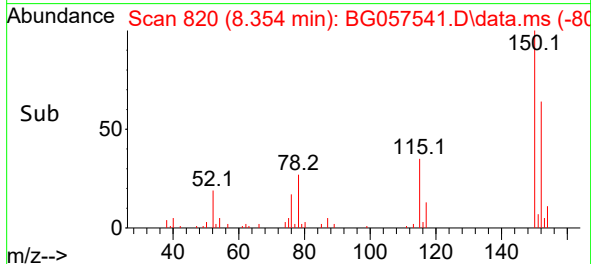
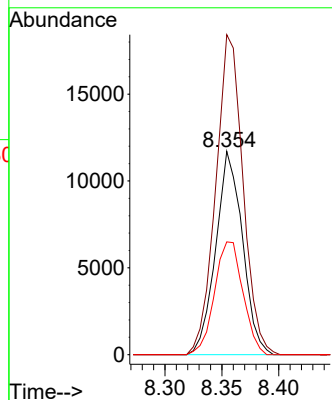
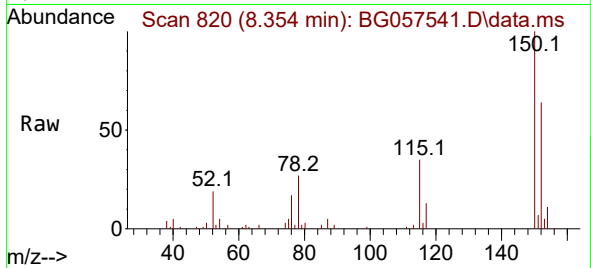




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.354 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG057541.D
Acq: 24 May 2023 19:34

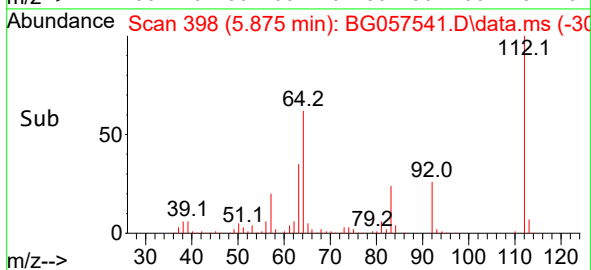
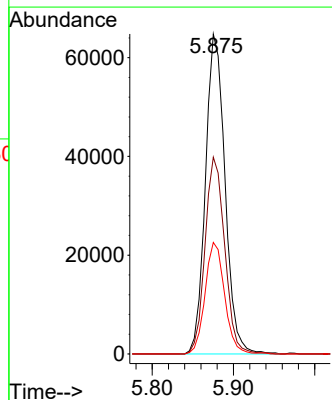
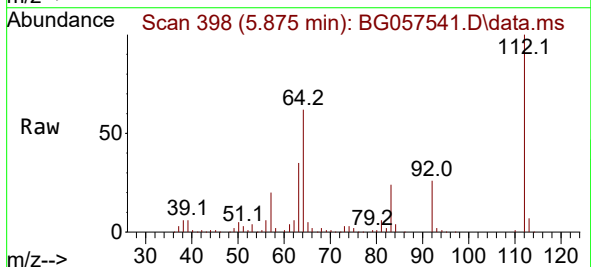
Instrument :
BNA_G
ClientSampleId :
SB08

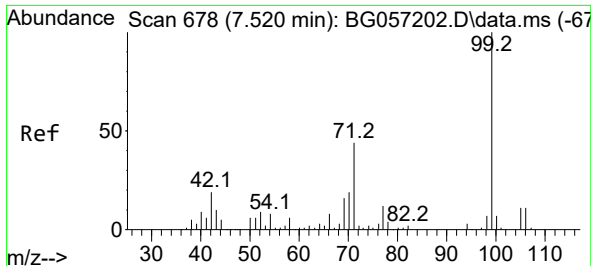
Tgt Ion:152 Resp: 19154
Ion Ratio Lower Upper
152 100
150 157.4 126.2 189.4
115 55.5 45.0 67.4



#5
2-Fluorophenol
Concen: 96.732 ng
RT: 5.875 min Scan# 398
Delta R.T. 0.000 min
Lab File: BG057541.D
Acq: 24 May 2023 19:34

Tgt Ion:112 Resp: 108313
Ion Ratio Lower Upper
112 100
64 61.5 49.4 74.2
63 34.8 31.6 47.4

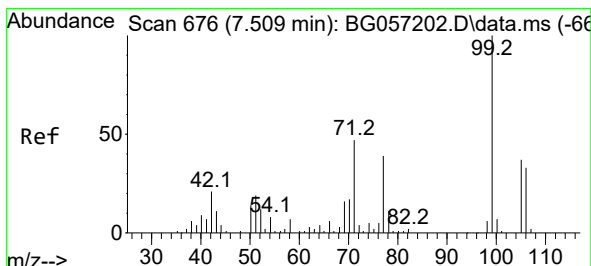
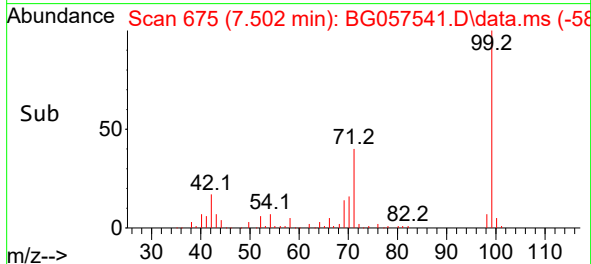
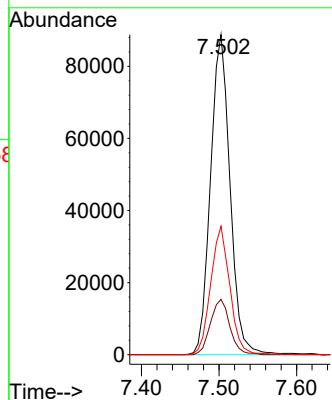
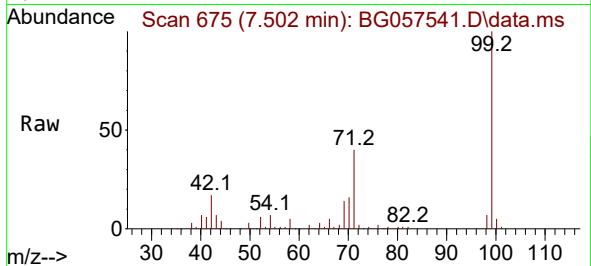




#7
Phenol-d6
Concen: 91.135 ng
RT: 7.502 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG057541.D
Acq: 24 May 2023 19:34

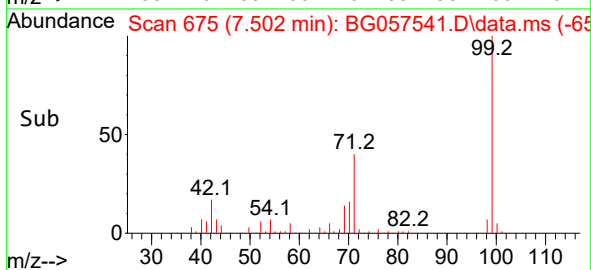
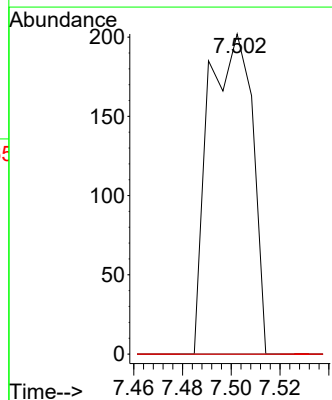
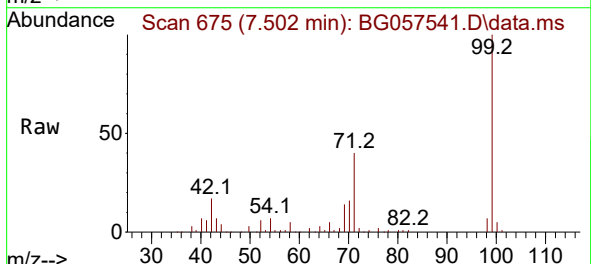
Instrument :
BNA_G
ClientSampleId :
SB08

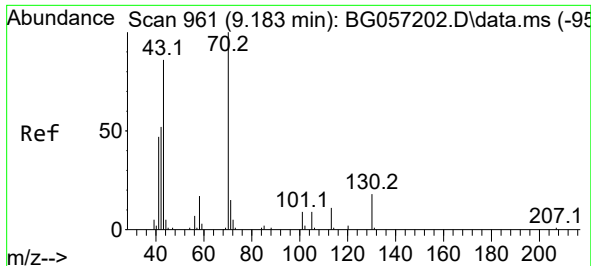
Tgt Ion: 99 Resp: 154960
Ion Ratio Lower Upper
99 100
42 17.3 15.1 22.7
71 40.1 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.502 min Scan# 675
Delta R.T. 0.012 min
Lab File: BG057541.D
Acq: 24 May 2023 19:34

Tgt Ion: 77 Resp: 252
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

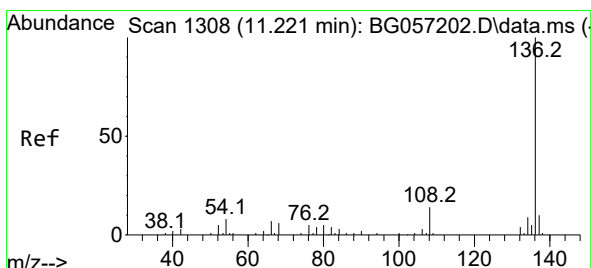
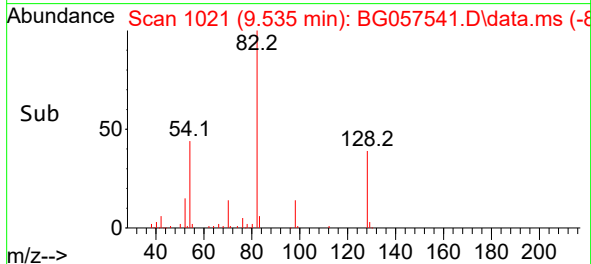
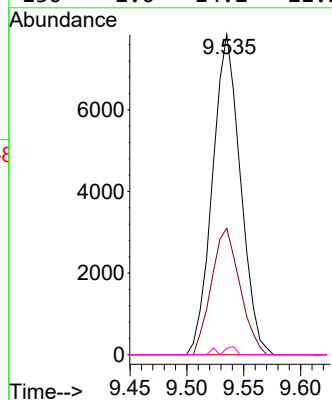
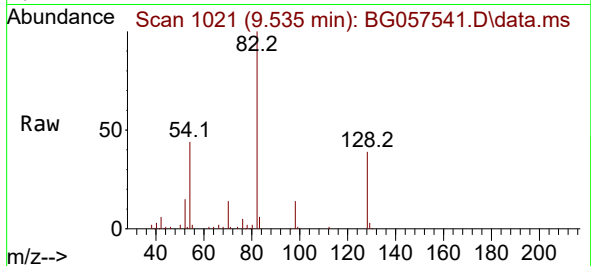




#19
n-Nitroso-di-n-propylamine
Concen: 10.348 ng
RT: 9.535 min Scan# 1021
Delta R.T. 0.370 min
Lab File: BG057541.D
Acq: 24 May 2023 19:34

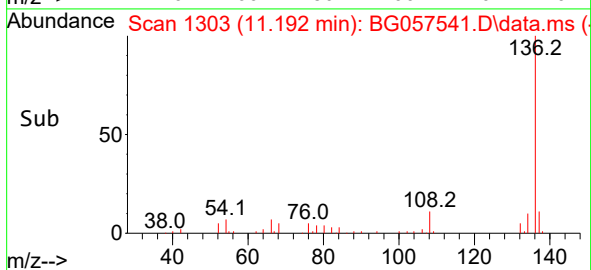
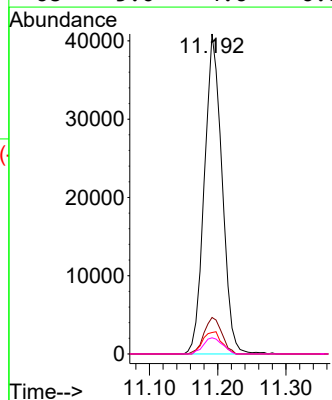
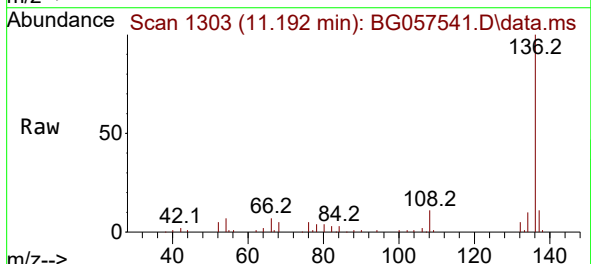
Instrument :
BNA_G
ClientSampleId :
SB08

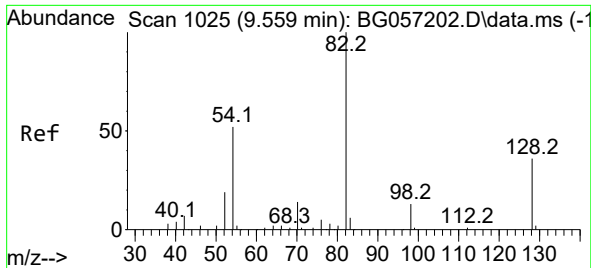
Tgt Ion: 70 Resp: 13417
Ion Ratio Lower Upper
70 100
42 39.5 41.8 62.8#
101 0.0 6.8 10.2#
130 2.0 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.192 min Scan# 1303
Delta R.T. -0.011 min
Lab File: BG057541.D
Acq: 24 May 2023 19:34

Tgt Ion:136 Resp: 73435
Ion Ratio Lower Upper
136 100
137 11.4 8.3 12.5
54 6.7 6.7 10.1#
68 5.0 4.6 6.8

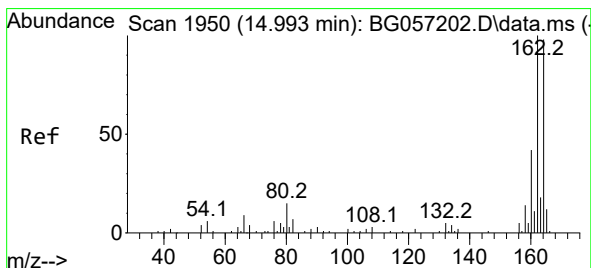
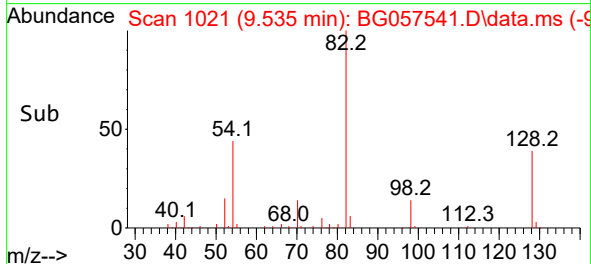
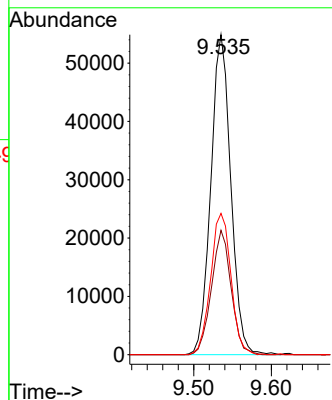
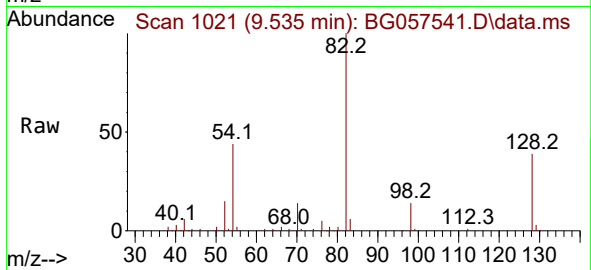




#23
Nitrobenzene-d5
Concen: 56.112 ng
RT: 9.535 min Scan# 1021
Delta R.T. -0.011 min
Lab File: BG057541.D
Acq: 24 May 2023 19:34

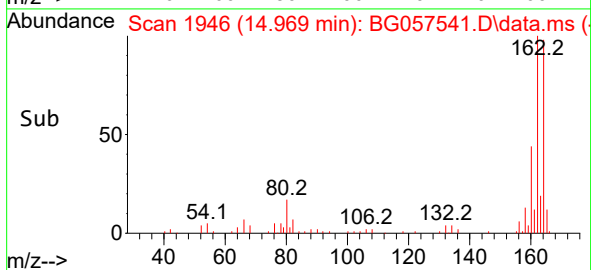
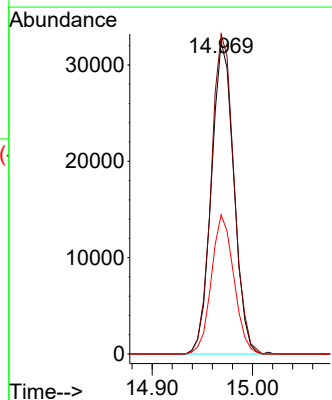
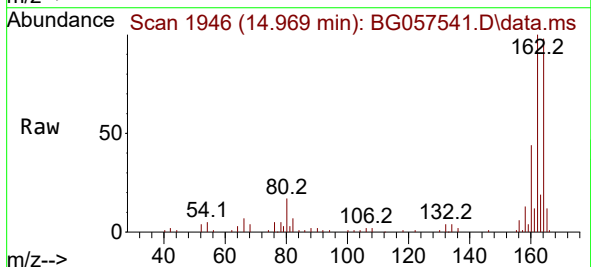
Instrument :
BNA_G
ClientSampleId :
SB08

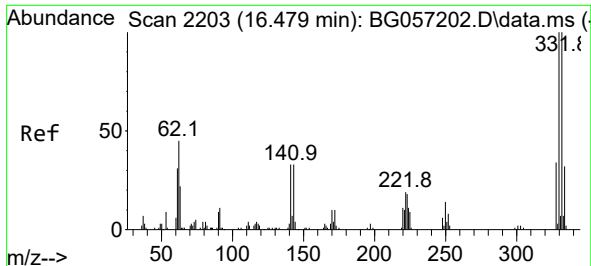
Tgt Ion: 82 Resp: 98178
Ion Ratio Lower Upper
82 100
128 38.8 29.0 43.4
54 44.2 41.4 62.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.969 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BG057541.D
Acq: 24 May 2023 19:34

Tgt Ion:164 Resp: 50177
Ion Ratio Lower Upper
164 100
162 102.5 81.8 122.6
160 44.6 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 107.489 ng

RT: 16.455 min Scan# 2199

Delta R.T. -0.012 min

Lab File: BG057541.D

Acq: 24 May 2023 19:34

Instrument :

BNA_G

ClientSampleId :

SB08

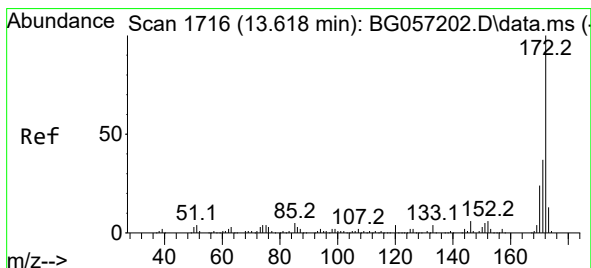
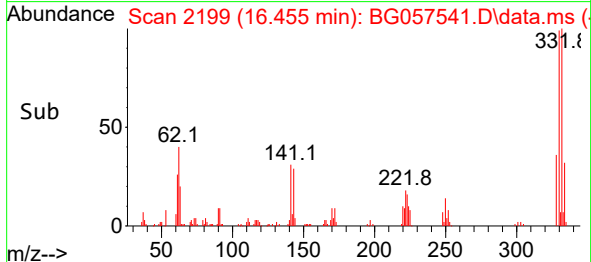
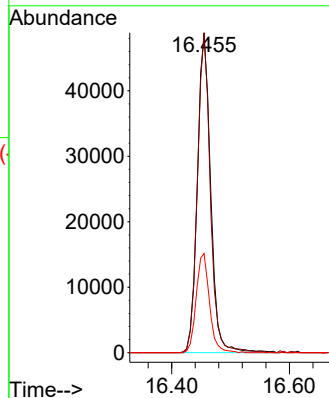
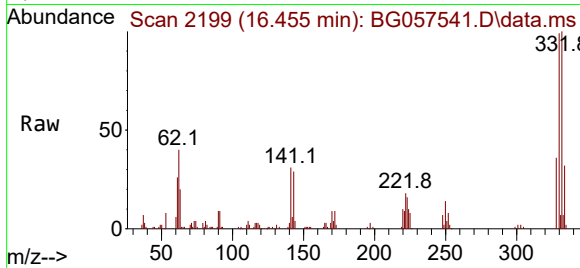
Tgt Ion:330 Resp: 76528

Ion Ratio Lower Upper

330 100

332 97.5 78.2 117.2

141 31.0 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 61.375 ng

RT: 13.594 min Scan# 1712

Delta R.T. -0.011 min

Lab File: BG057541.D

Acq: 24 May 2023 19:34

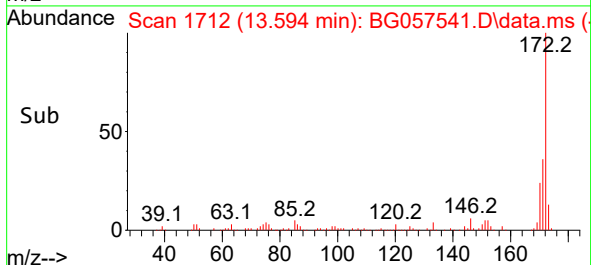
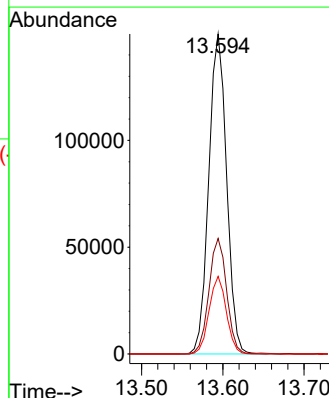
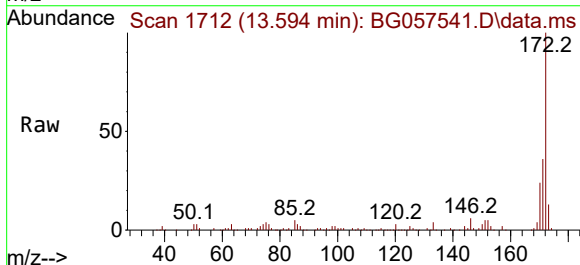
Tgt Ion:172 Resp: 228663

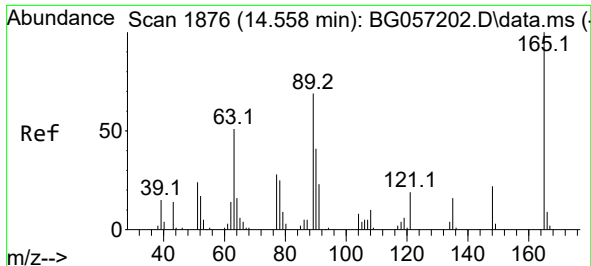
Ion Ratio Lower Upper

172 100

171 36.1 29.4 44.0

170 24.3 19.0 28.6

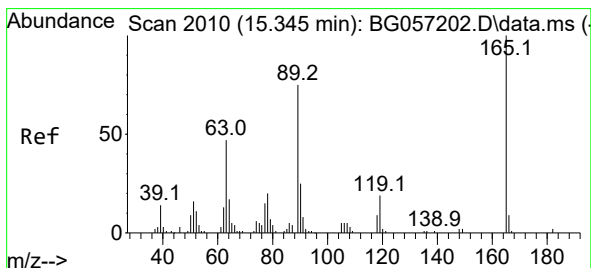
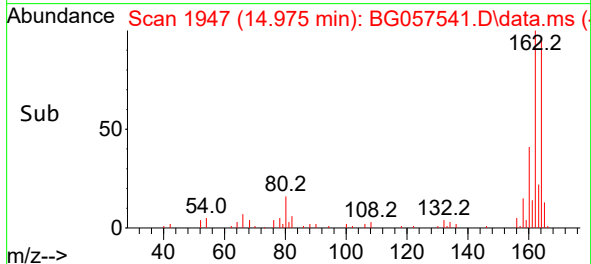
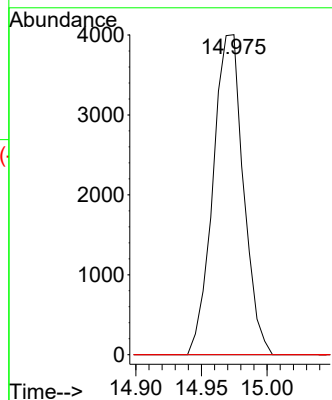
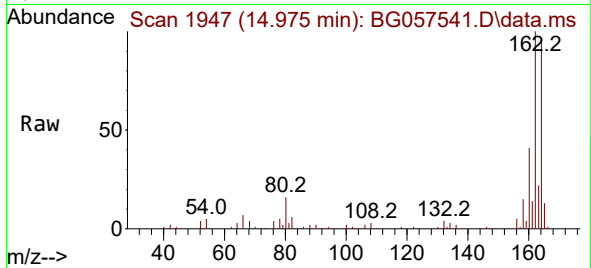




#51
2,6-Dinitrotoluene
Concen: 7.672 ng
RT: 14.975 min Scan# 1947
Delta R.T. 0.423 min
Lab File: BG057541.D
Acq: 24 May 2023 19:34

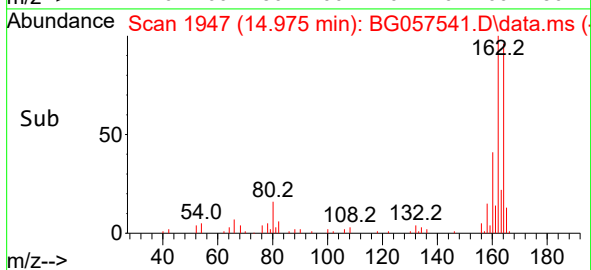
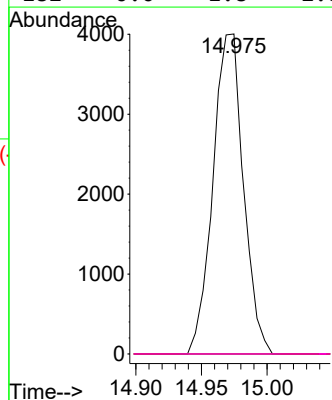
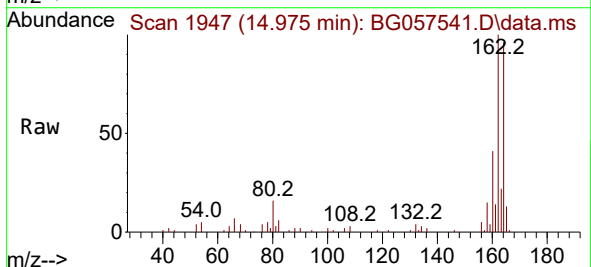
Instrument :
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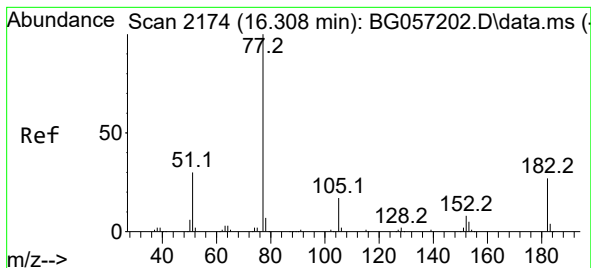
Tgt Ion:165 Resp: 6459
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.368 ng
RT: 14.975 min Scan# 1947
Delta R.T. -0.364 min
Lab File: BG057541.D
Acq: 24 May 2023 19:34

Tgt Ion:165 Resp: 6459
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: 2.005 ng

RT: 16.302 min Scan# 2173

Delta R.T. 0.012 min

Lab File: BG057541.D

Acq: 24 May 2023 19:34

Instrument :

BNA_G

ClientSampleId :

SB08

Tgt Ion: 77 Resp: 8099

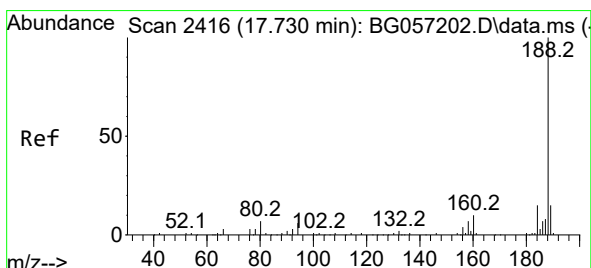
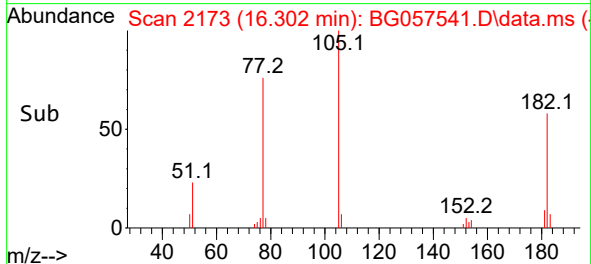
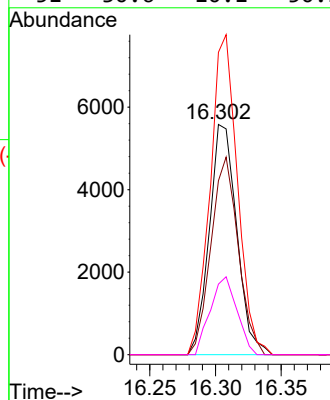
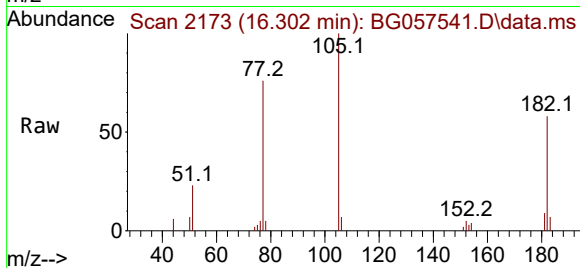
Ion Ratio Lower Upper

77 100

182 75.5 7.4 47.4#

105 131.3 0.0 37.2#

51 30.6 10.1 50.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.712 min Scan# 2413

Delta R.T. -0.011 min

Lab File: BG057541.D

Acq: 24 May 2023 19:34

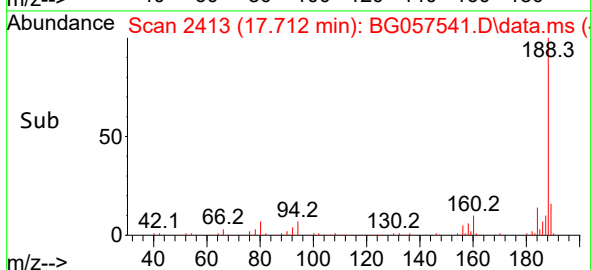
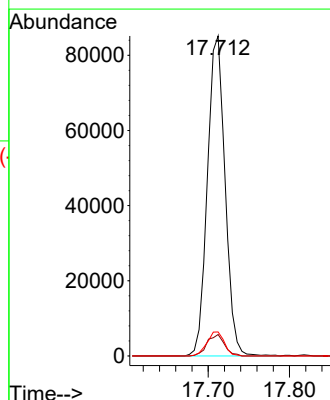
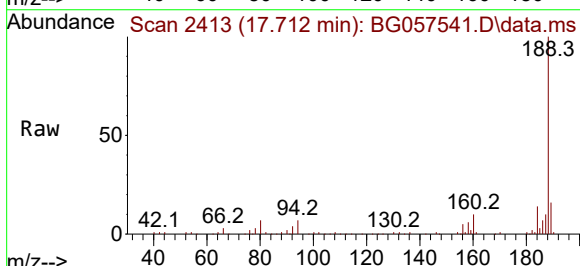
Tgt Ion:188 Resp: 128397

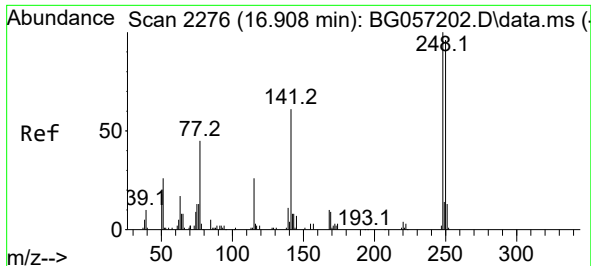
Ion Ratio Lower Upper

188 100

94 6.7 5.1 7.7

80 7.5 5.7 8.5

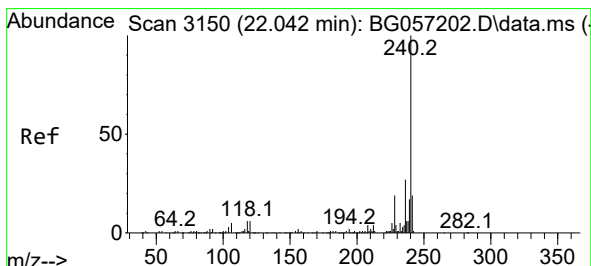
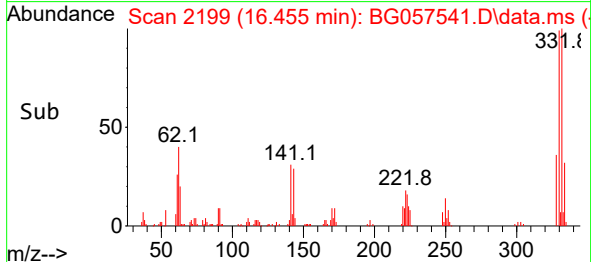
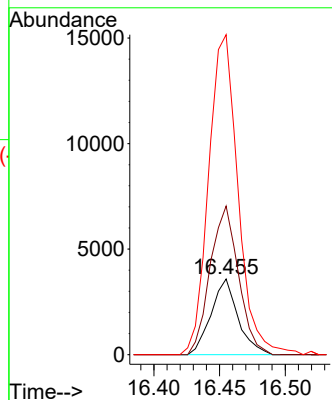
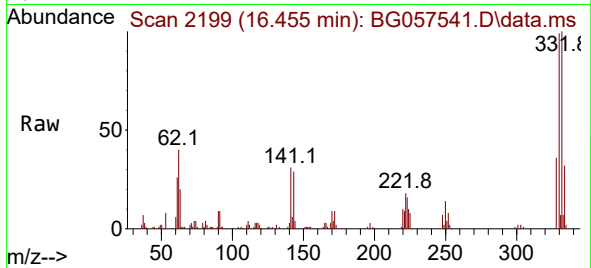




#67
4-Bromophenyl-phenylether
Concen: 3.279 ng
RT: 16.455 min Scan# 2119
Delta R.T. -0.440 min
Lab File: BG057541.D
Acq: 24 May 2023 19:34

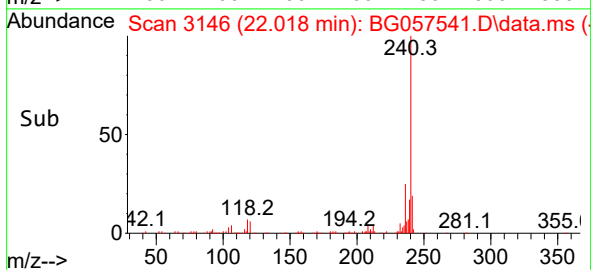
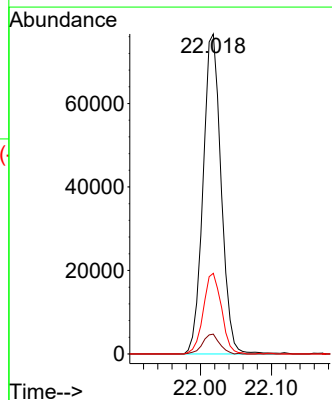
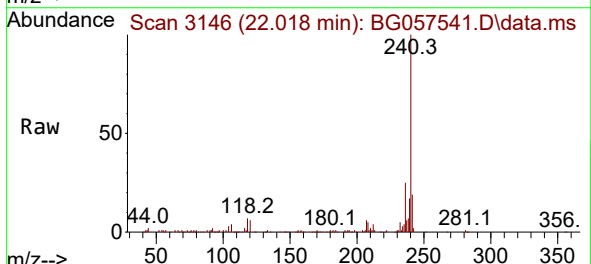
Instrument :
BNA_G
ClientSampleId :
SB08

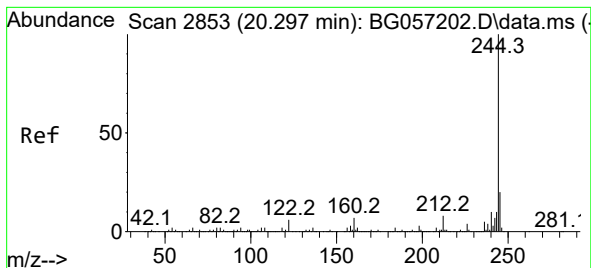
Tgt Ion:248 Resp: 5139
Ion Ratio Lower Upper
248 100
250 196.3 77.0 115.6#
141 422.6 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.018 min Scan# 3146
Delta R.T. -0.017 min
Lab File: BG057541.D
Acq: 24 May 2023 19:34

Tgt Ion:240 Resp: 135487
Ion Ratio Lower Upper
240 100
120 6.2 4.9 7.3
236 25.2 21.4 32.2





#79

Terphenyl-d14

Concen: 60.018 ng

RT: 20.279 min Scan# 21

Delta R.T. -0.011 min

Lab File: BG057541.D

Acq: 24 May 2023 19:34

Instrument :

BNA_G

ClientSampleId :

SB08

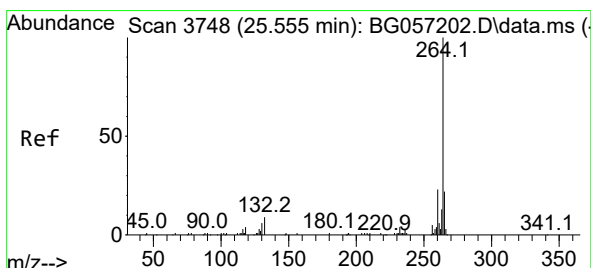
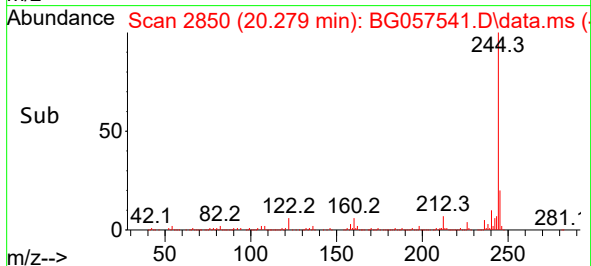
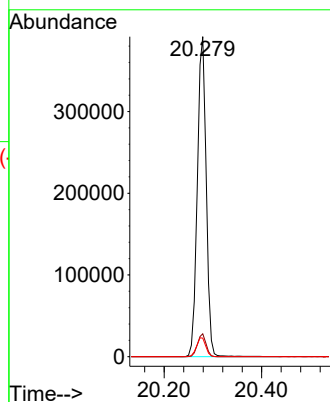
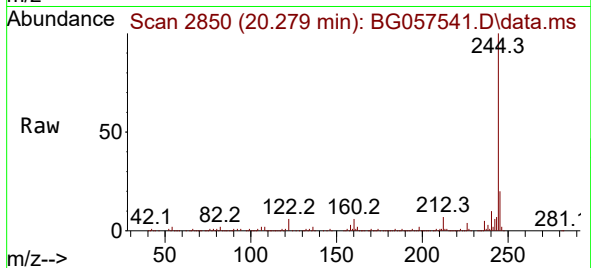
Tgt Ion:244 Resp: 498287

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 5.8 5.1 7.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.519 min Scan# 3742

Delta R.T. -0.023 min

Lab File: BG057541.D

Acq: 24 May 2023 19:34

Tgt Ion:264 Resp: 140285

Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 20.7 17.9 26.9

