

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062923\
 Data File : BG057908.D
 Acq On : 29 Jun 2023 17:26
 Operator : CG/JU
 Sample : 03358-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-4-(8-10)

Quant Time: Jun 29 18:25:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 01:12:33 2023
 Response via : Initial Calibration

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

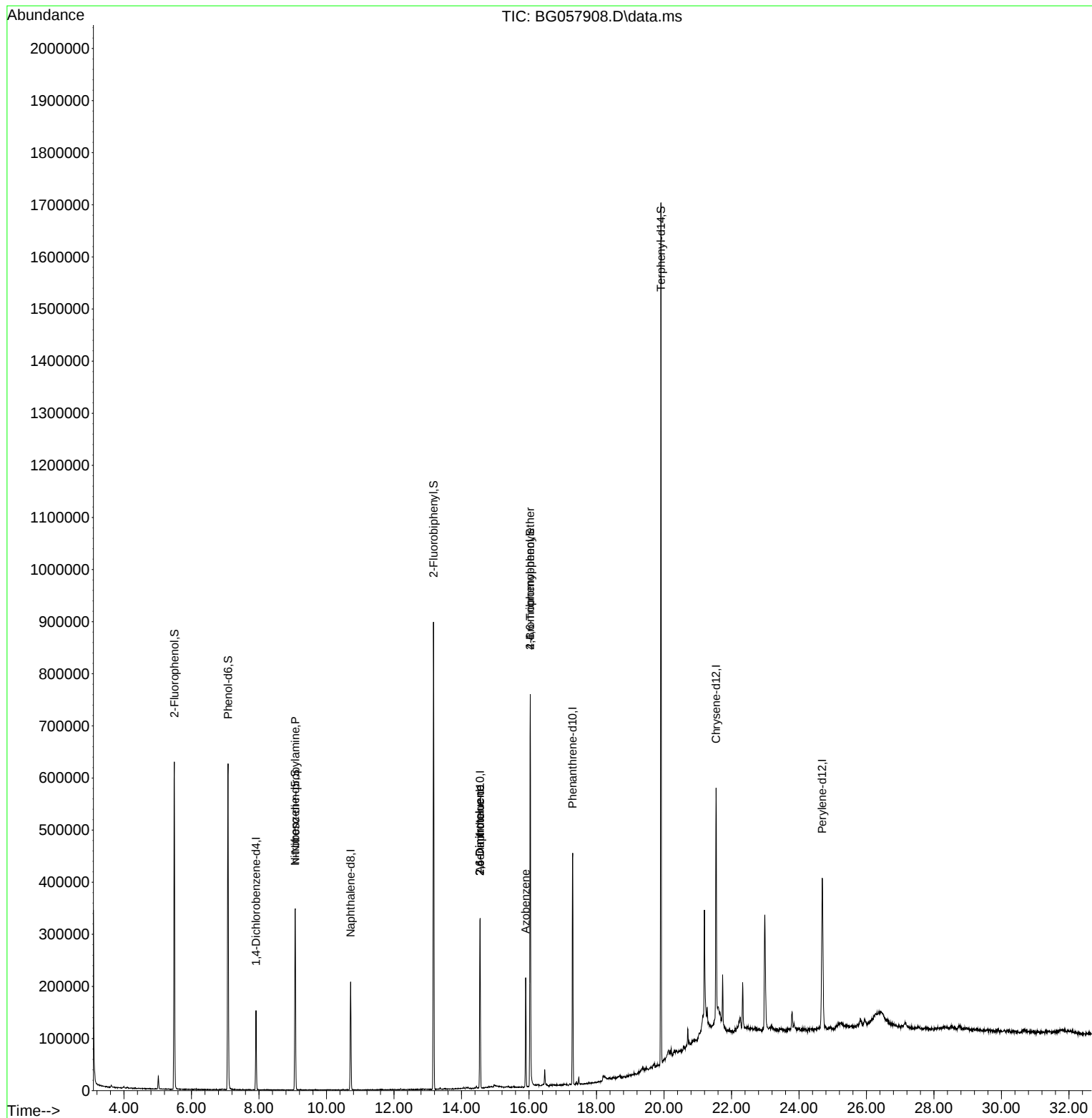
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.913	152	43307	20.000	ng	-0.01
21) Naphthalene-d8	10.716	136	173249	20.000	ng	-0.01
39) Acenaphthene-d10	14.552	164	120489	20.000	ng	0.00
64) Phenanthrene-d10	17.296	188	292264	20.000	ng	0.00
76) Chrysene-d12	21.544	240	252469	20.000	ng	-0.01
86) Perylene-d12	24.687	264	309893	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	278721	98.470	ng	0.00
7) Phenol-d6	7.085	99	391584	92.515	ng	0.00
23) Nitrobenzene-d5	9.070	82	212144	60.010	ng	-0.02
42) 2,4,6-Tribromophenol	16.039	330	166902	82.472	ng	0.00
45) 2-Fluorobiphenyl	13.172	172	481507	60.985	ng	-0.01
79) Terphenyl-d14	19.911	244	837354	60.466	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.085	77	569	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.076	70	26413	9.326 ng	#	80
51) 2,6-Dinitrotoluene	14.546	165	15394	7.764 ng	#	25
57) 2,4-Dinitrotoluene	14.546	165	15394	5.350 ng	#	22
63) Azobenzene	15.904	77	57973	6.022 ng	#	1
67) 4-Bromophenyl-phenylether	16.039	248	10552	3.420 ng	#	1

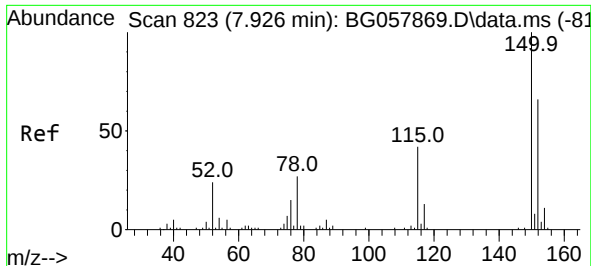
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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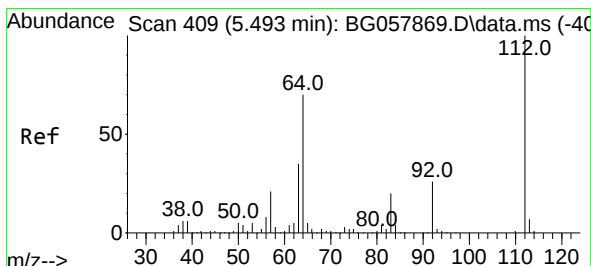
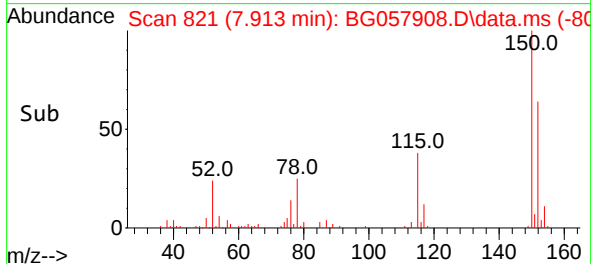
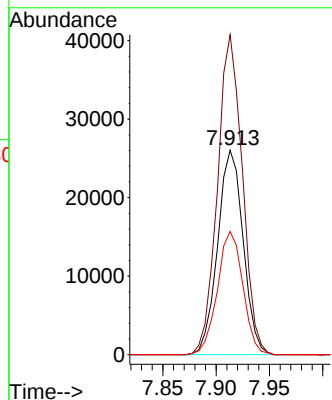
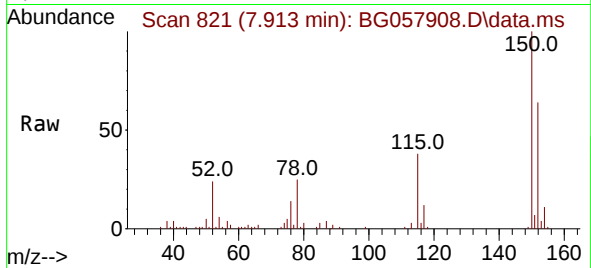




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.913 min Scan# 81
Delta R.T. -0.013 min
Lab File: BG057908.D
Acq: 29 Jun 2023 17:26

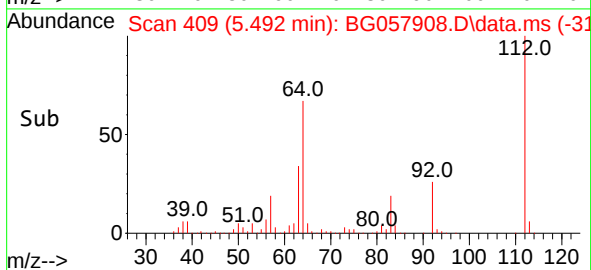
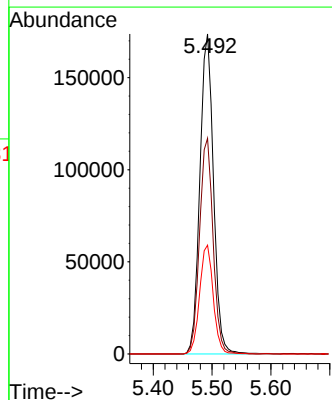
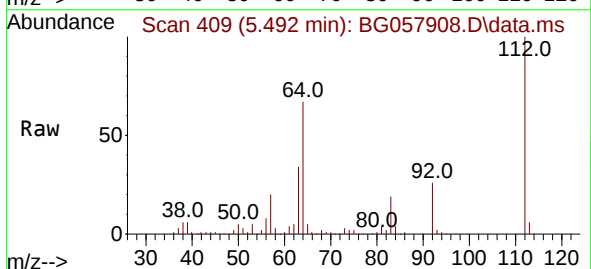
Instrument :
BNA_G
ClientSampleId :
SB-4-(8-10)

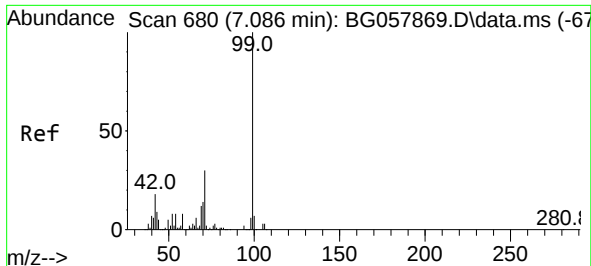
Tgt Ion:152 Resp: 43307
Ion Ratio Lower Upper
152 100
150 156.5 122.0 183.0
115 60.2 50.7 76.1



#5
2-Fluorophenol
Concen: 98.470 ng
RT: 5.492 min Scan# 409
Delta R.T. -0.001 min
Lab File: BG057908.D
Acq: 29 Jun 2023 17:26

Tgt Ion:112 Resp: 278721
Ion Ratio Lower Upper
112 100
64 67.4 55.8 83.6
63 34.0 27.9 41.9

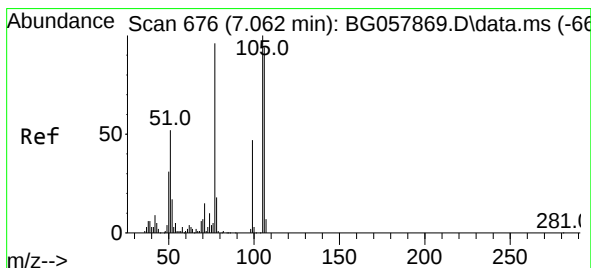
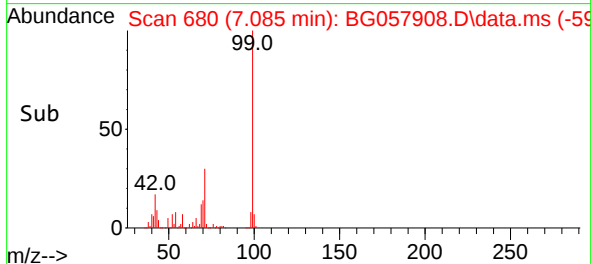
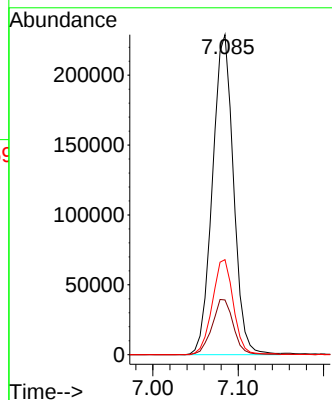
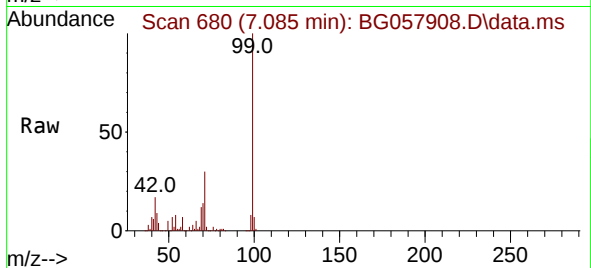




#7
Phenol-d6
Concen: 92.515 ng
RT: 7.085 min Scan# 680
Delta R.T. -0.001 min
Lab File: BG057908.D
Acq: 29 Jun 2023 17:26

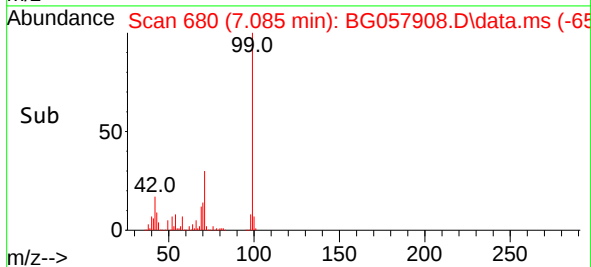
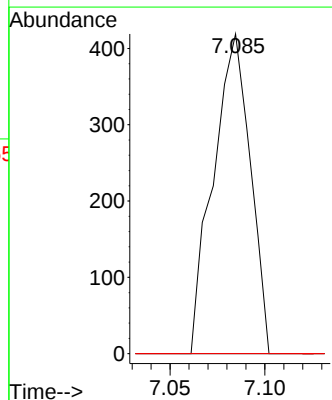
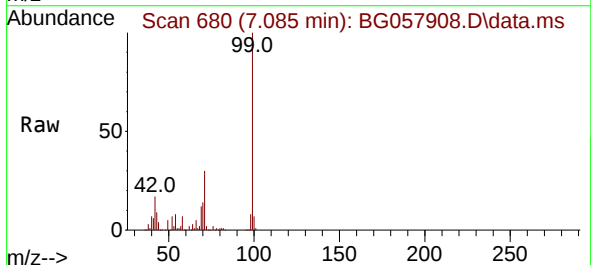
Instrument :
BNA_G
ClientSampleId :
SB-4-(8-10)

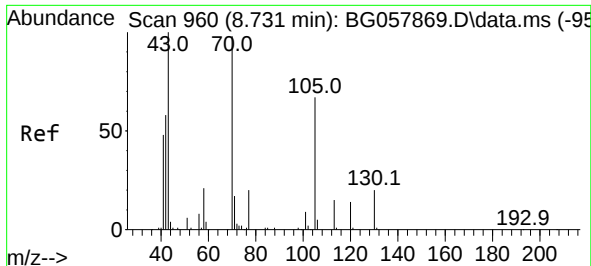
Tgt Ion: 99 Resp: 391584
Ion Ratio Lower Upper
99 100
42 17.1 14.2 21.4
71 29.7 23.9 35.9



#9
Benzaldehyde
Concen: Below Cal
RT: 7.085 min Scan# 680
Delta R.T. 0.023 min
Lab File: BG057908.D
Acq: 29 Jun 2023 17:26

Tgt Ion: 77 Resp: 569
Ion Ratio Lower Upper
77 100
105 0.0 83.7 123.7#
106 0.0 77.4 117.4#

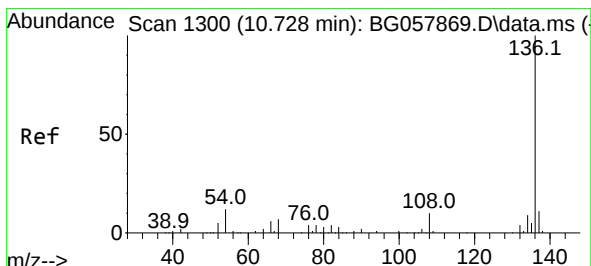
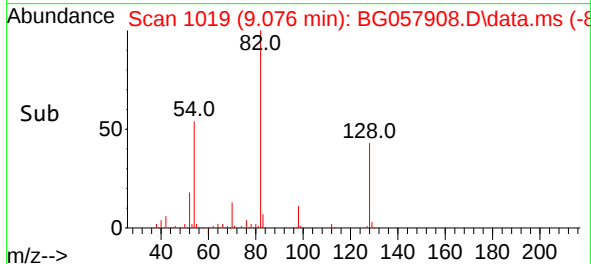
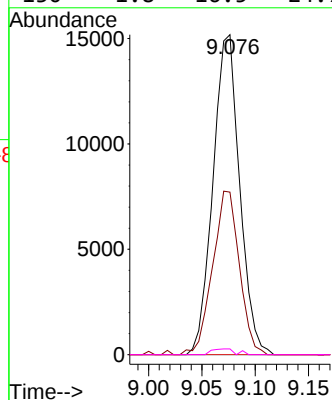
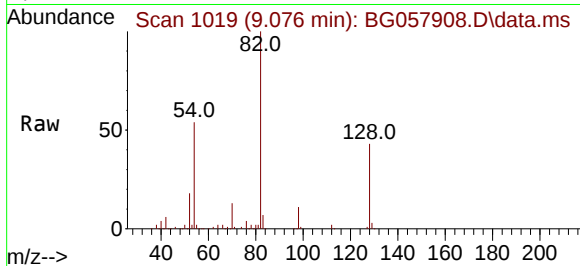




#19
n-Nitroso-di-n-propylamine
Concen: 9.326 ng
RT: 9.076 min Scan# 1019
Delta R.T. 0.346 min
Lab File: BG057908.D
Acq: 29 Jun 2023 17:26

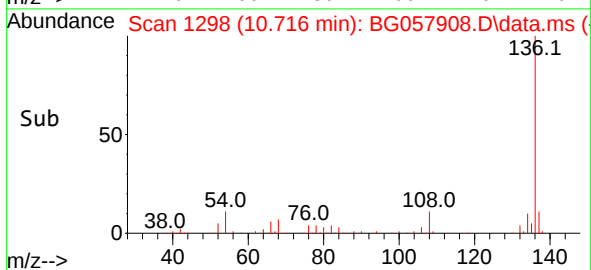
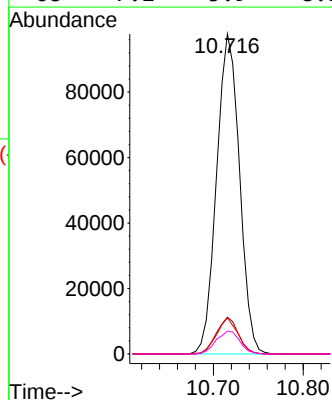
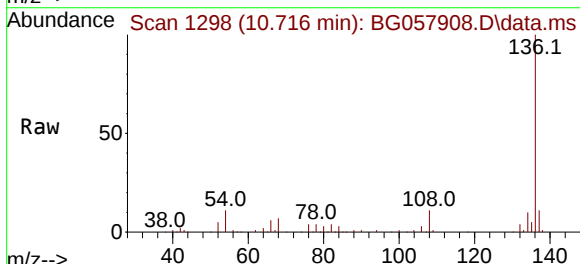
Instrument :
BNA_G
ClientSampleId :
SB-4-(8-10)

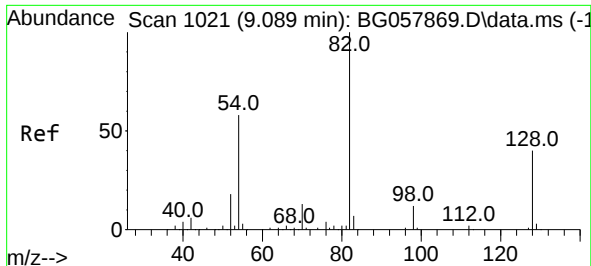
Tgt Ion:	70	Resp:	26413
Ion Ratio	Lower	Upper	
70	100		
42	50.8	48.4	72.6
101	0.0	7.2	10.8#
130	1.8	16.5	24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.716 min Scan# 1298
Delta R.T. -0.013 min
Lab File: BG057908.D
Acq: 29 Jun 2023 17:26

Tgt Ion:	136	Resp:	173249
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.6	12.8
54	11.3	9.3	13.9
68	7.2	5.9	8.9





#23

Nitrobenzene-d5

Concen: 60.010 ng

RT: 9.070 min Scan# 1018

Delta R.T. -0.019 min

Lab File: BG057908.D

Acq: 29 Jun 2023 17:26

Instrument :

BNA_G

ClientSampleId :

SB-4-(8-10)

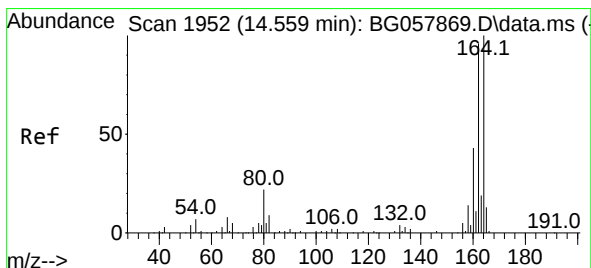
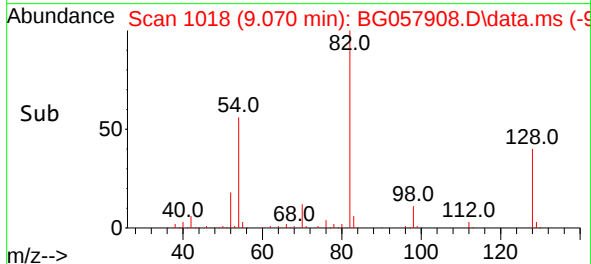
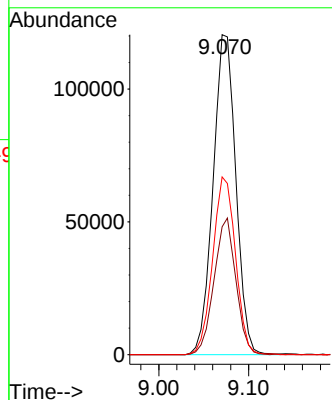
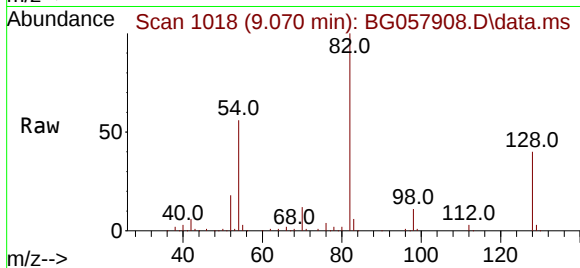
Tgt Ion: 82 Resp: 212144

Ion Ratio Lower Upper

82 100

128 39.9 32.2 48.4

54 55.5 46.1 69.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.552 min Scan# 1951

Delta R.T. -0.007 min

Lab File: BG057908.D

Acq: 29 Jun 2023 17:26

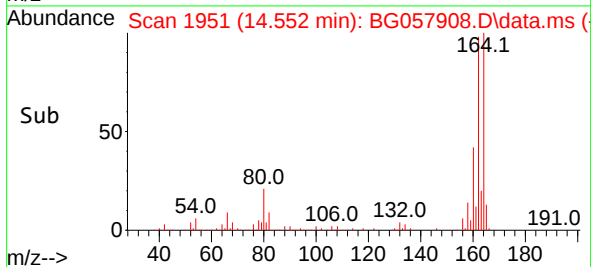
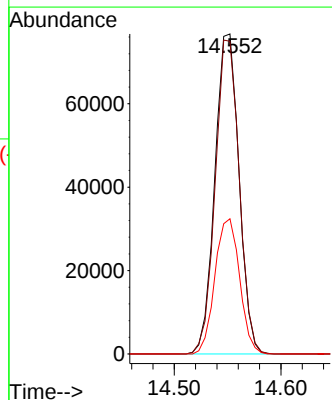
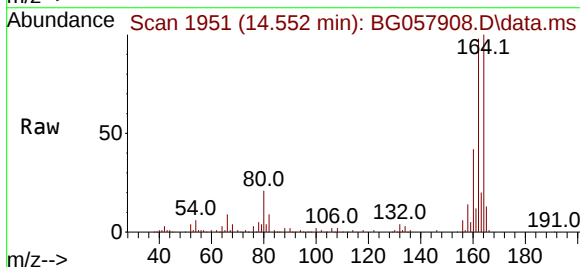
Tgt Ion:164 Resp: 120489

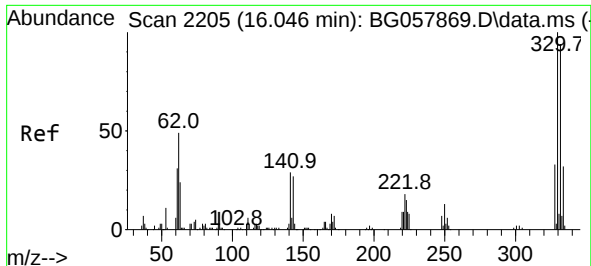
Ion Ratio Lower Upper

164 100

162 97.7 76.4 114.6

160 42.2 34.2 51.2

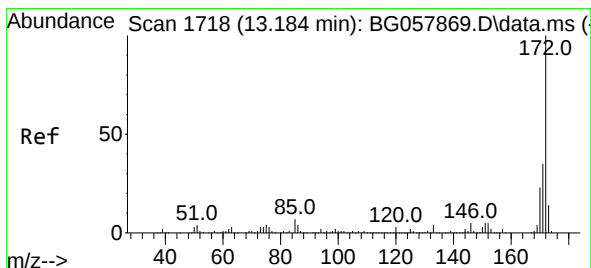
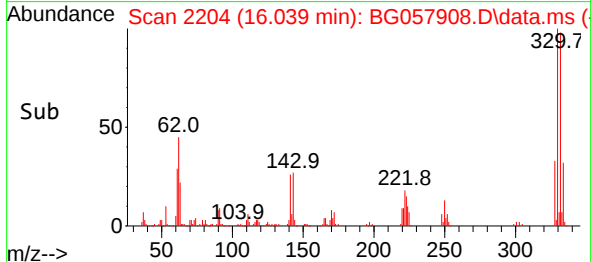
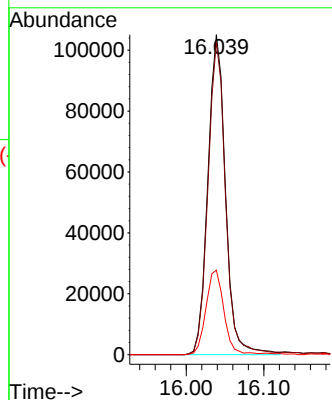
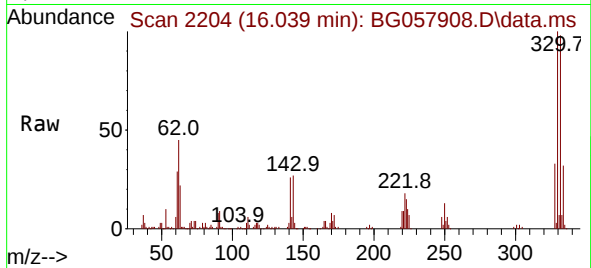




#42
2,4,6-Tribromophenol
Concen: 82.472 ng
RT: 16.039 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG057908.D
Acq: 29 Jun 2023 17:26

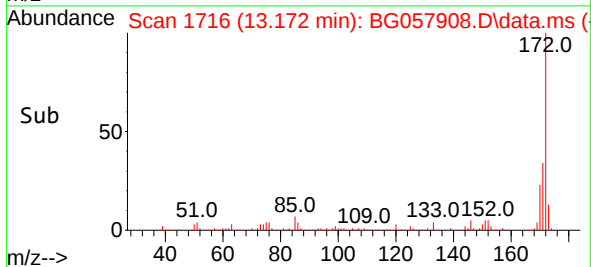
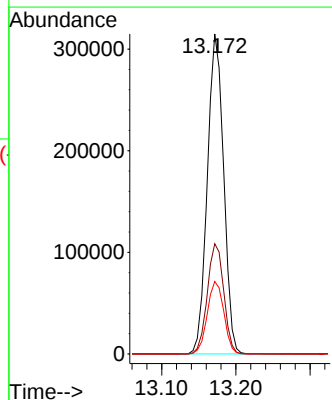
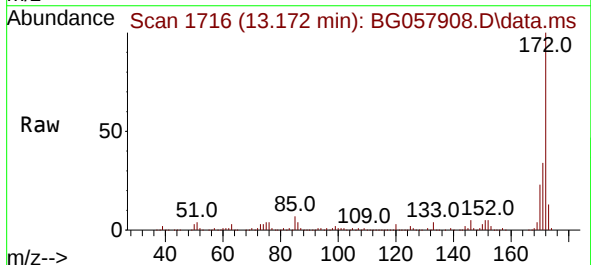
Instrument :
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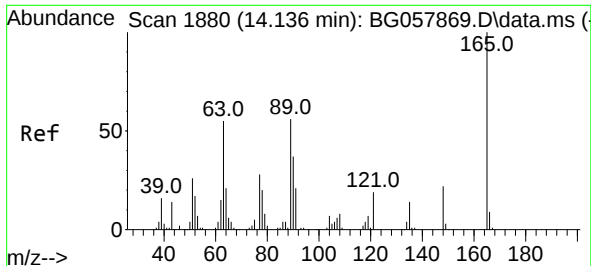
Tgt Ion:330 Resp: 166902
Ion Ratio Lower Upper
330 100
332 97.3 77.1 115.7
141 26.8 22.2 33.4



#45
2-Fluorobiphenyl
Concen: 60.985 ng
RT: 13.172 min Scan# 1716
Delta R.T. -0.013 min
Lab File: BG057908.D
Acq: 29 Jun 2023 17:26

Tgt Ion:172 Resp: 481507
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.8
170 22.6 18.6 27.8

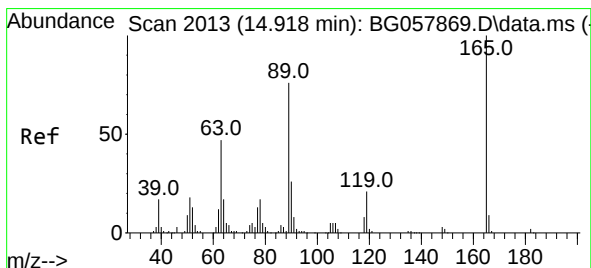
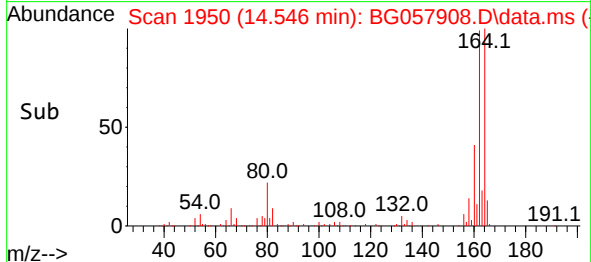
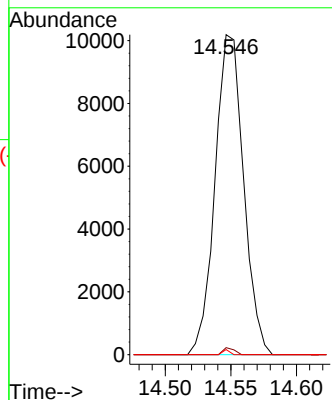
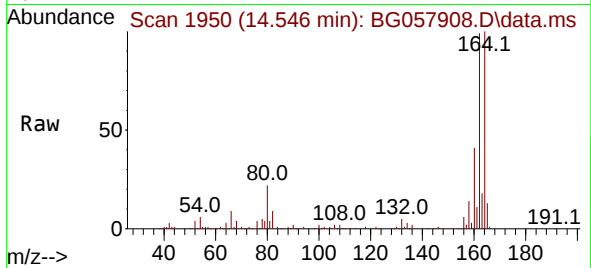




#51
2,6-Dinitrotoluene
Concen: 7.764 ng
RT: 14.546 min Scan# 1950
Delta R.T. 0.410 min
Lab File: BG057908.D
Acq: 29 Jun 2023 17:26

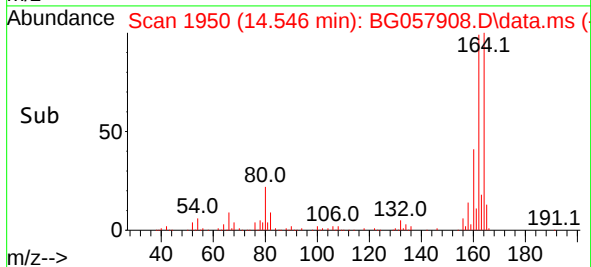
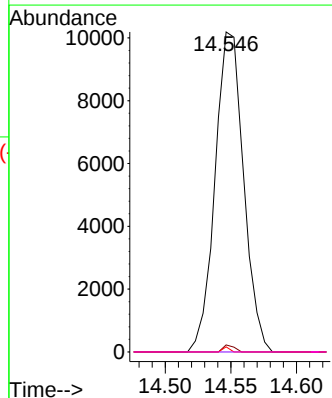
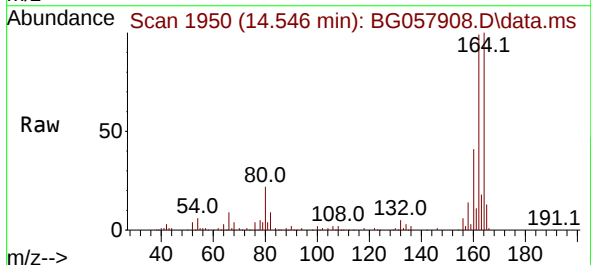
Instrument :
BNA_G
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SB-4-(8-10)

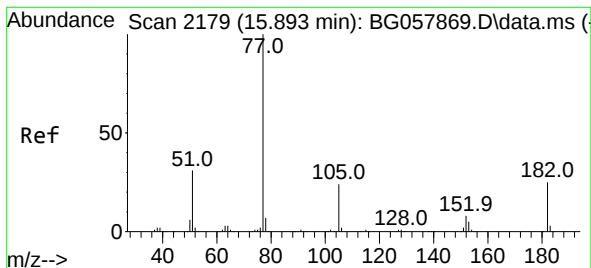
Tgt Ion:165 Resp: 15394
Ion Ratio Lower Upper
165 100
63 2.2 46.4 69.6#
89 1.6 45.0 67.6#



#57
2,4-Dinitrotoluene
Concen: 5.350 ng
RT: 14.546 min Scan# 1950
Delta R.T. -0.371 min
Lab File: BG057908.D
Acq: 29 Jun 2023 17:26

Tgt Ion:165 Resp: 15394
Ion Ratio Lower Upper
165 100
63 2.2 37.6 56.4#
89 1.6 61.0 91.4#
182 0.0 1.9 2.9#





#63

Azobenzene

Concen: 6.022 ng

RT: 15.904 min Scan# 2179

Delta R.T. 0.011 min

Lab File: BG057908.D

Acq: 29 Jun 2023 17:26

Instrument :

BNA_G

ClientSampleId :

SB-4-(8-10)

Tgt Ion: 77 Resp: 57973

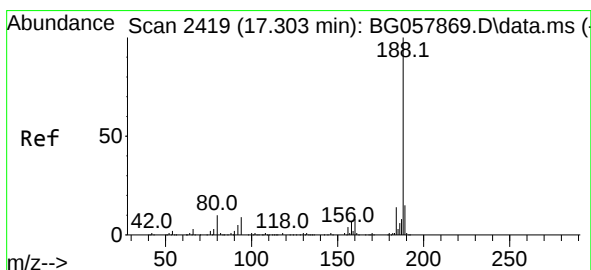
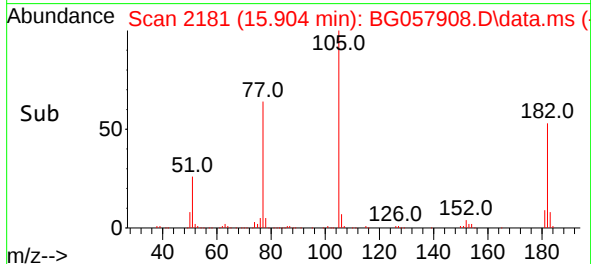
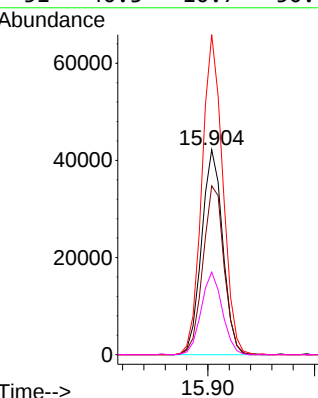
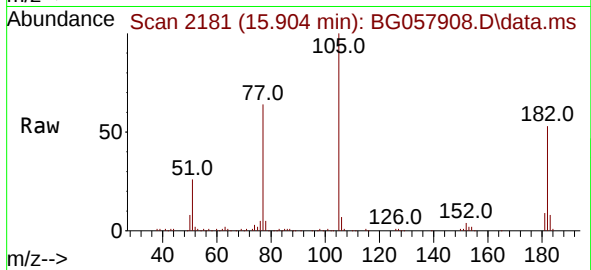
Ion Ratio Lower Upper

77 100

182 82.3 5.1 45.1#

105 156.1 3.9 43.9#

51 40.3 10.7 50.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.296 min Scan# 2418

Delta R.T. -0.007 min

Lab File: BG057908.D

Acq: 29 Jun 2023 17:26

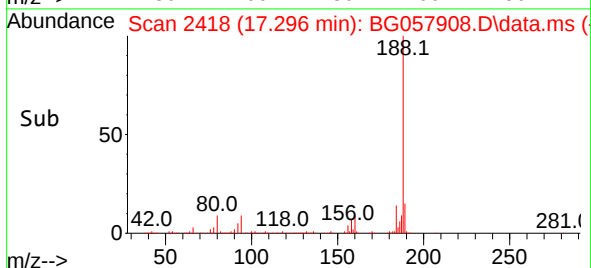
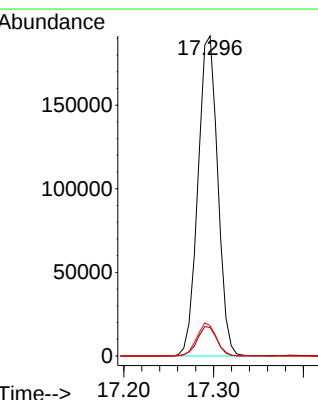
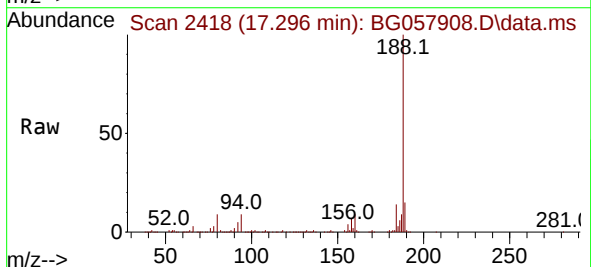
Tgt Ion:188 Resp: 292264

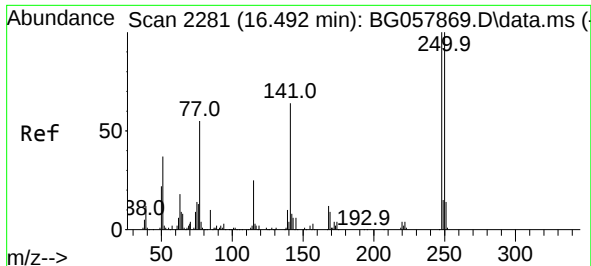
Ion Ratio Lower Upper

188 100

94 8.9 7.2 10.8

80 9.5 8.4 12.6

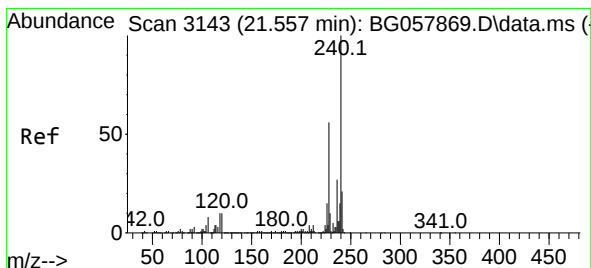
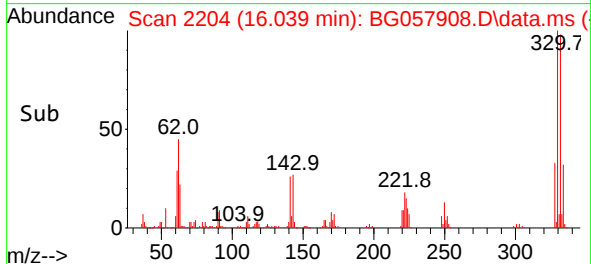
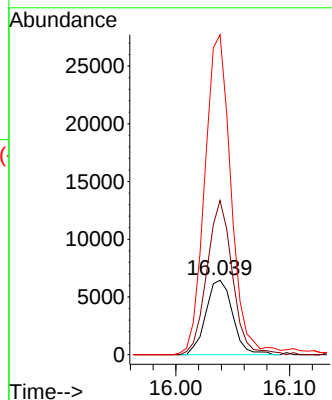
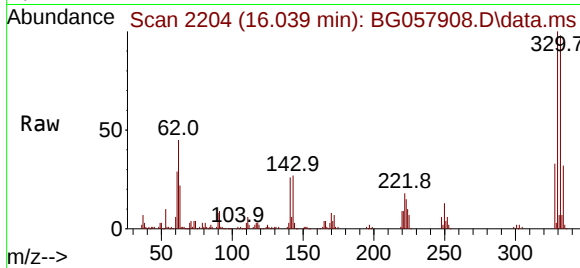




#67
4-Bromophenyl-phenylether
Concen: 3.420 ng
RT: 16.039 min Scan# 21
Delta R.T. -0.453 min
Lab File: BG057908.D
Acq: 29 Jun 2023 17:26

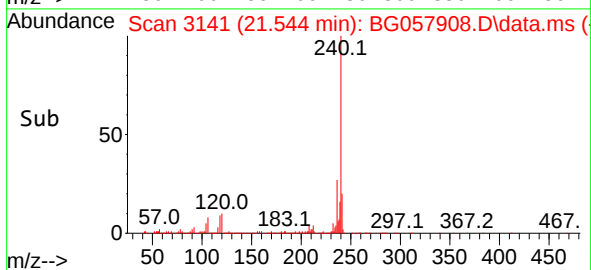
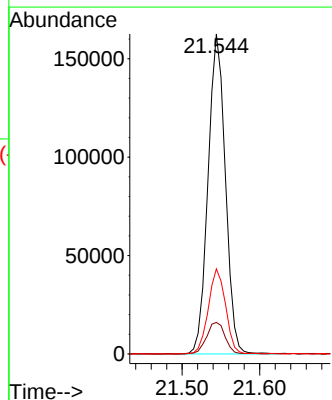
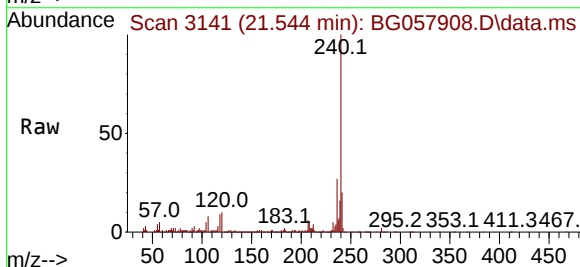
Instrument :
BNA_G
ClientSampleId :
SB-4-(8-10)

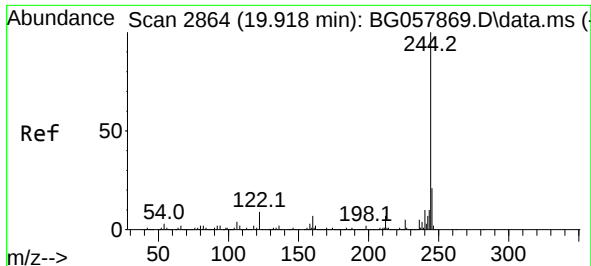
Tgt Ion:248 Resp: 10552
Ion Ratio Lower Upper
248 100
250 207.4 79.7 119.5#
141 430.4 50.8 76.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.544 min Scan# 3141
Delta R.T. -0.013 min
Lab File: BG057908.D
Acq: 29 Jun 2023 17:26

Tgt Ion:240 Resp: 252469
Ion Ratio Lower Upper
240 100
120 9.9 8.1 12.1
236 26.6 21.9 32.9

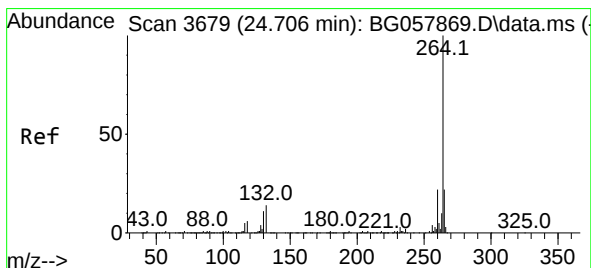
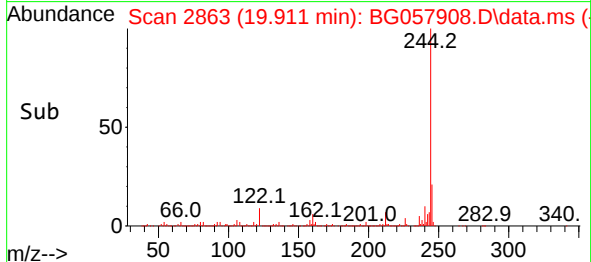
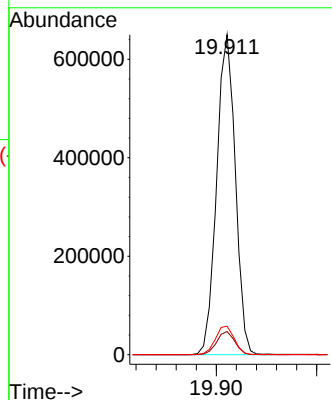
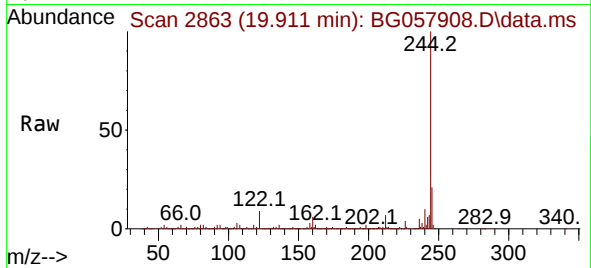




#79
Terphenyl-d14
Concen: 60.466 ng
RT: 19.911 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG057908.D
Acq: 29 Jun 2023 17:26

Instrument :
BNA_G
ClientSampleId :
SB-4-(8-10)

Tgt Ion:244 Resp: 837354
Ion Ratio Lower Upper
244 100
212 7.2 5.9 8.9
122 8.9 7.4 11.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.687 min Scan# 3676
Delta R.T. -0.019 min
Lab File: BG057908.D
Acq: 29 Jun 2023 17:26

Tgt Ion:264 Resp: 309893
Ion Ratio Lower Upper
264 100
260 22.7 17.8 26.8
265 21.6 17.3 25.9

