

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102021\
 Data File : BG050649.D
 Acq On : 20 Oct 2021 17:27
 Operator : CG/JU
 Sample : M4285-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-EB-(1)

Quant Time: Oct 20 18:04:39 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 10:56:22 2021
 Response via : Initial Calibration

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

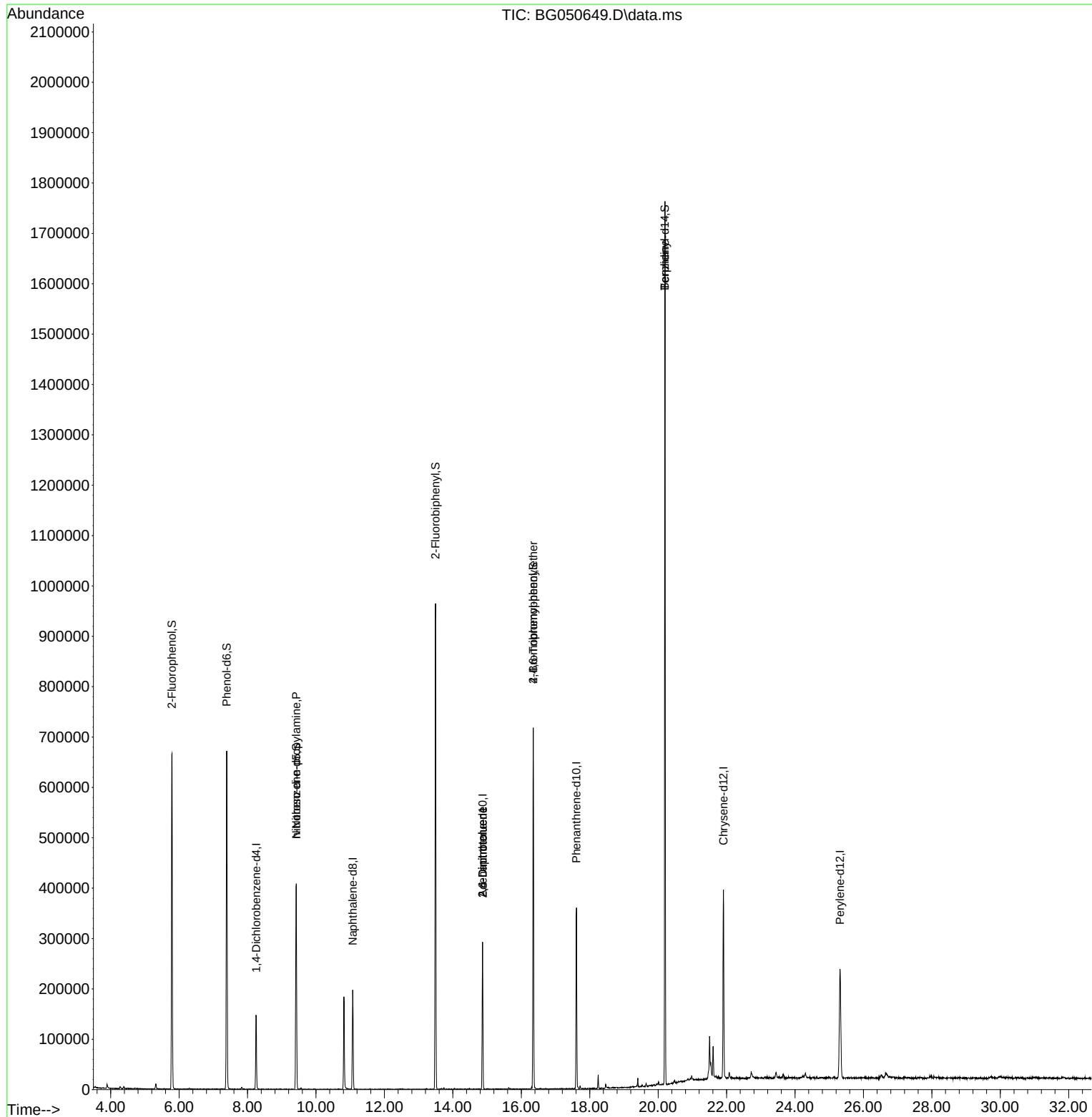
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.253	152	39935	20.000	ng	# 0.00
21) Naphthalene-d8	11.074	136	159521	20.000	ng	#-0.01
39) Acenaphthene-d10	14.869	164	100292	20.000	ng	0.00
64) Phenanthrene-d10	17.613	188	218105	20.000	ng	# 0.00
76) Chrysene-d12	21.908	240	223368	20.000	ng	#-0.02
86) Perylene-d12	25.316	264	217549	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.792	112	286225	107.189	ng	0.00
7) Phenol-d6	7.390	99	379441	98.146	ng	-0.01
23) Nitrobenzene-d5	9.423	82	269522	69.941	ng	0.00
42) 2,4,6-Tribromophenol	16.350	330	99672	104.193	ng	-0.01
45) 2-Fluorobiphenyl	13.494	172	477885	71.714	ng	-0.01
79) Terphenyl-d14	20.198	244	772234	67.375	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	7.396	77	907	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.423	70	37584	13.338	ng	# 70
51) 2,6-Dinitrotoluene	14.869	165	12868	8.475	ng	# 11
57) 2,4-Dinitrotoluene	14.869	165	12868	6.013	ng	# 17
67) 4-Bromophenyl-phenylether	16.350	248	8334	3.792	ng	# 1
77) Benzidine	20.198	184	15314	2.115	ng	# 85

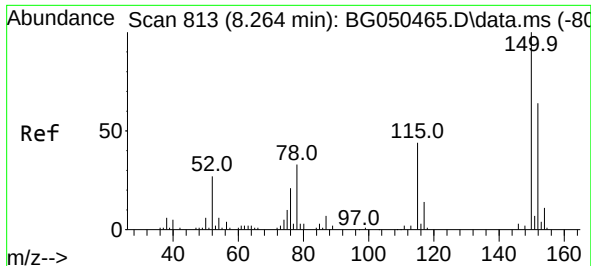
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

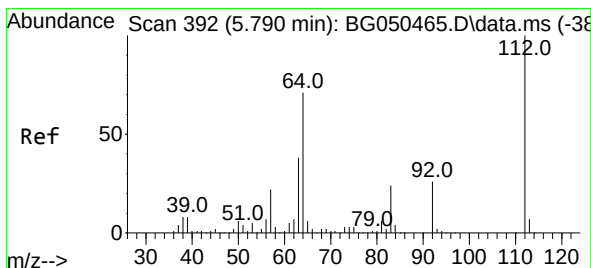
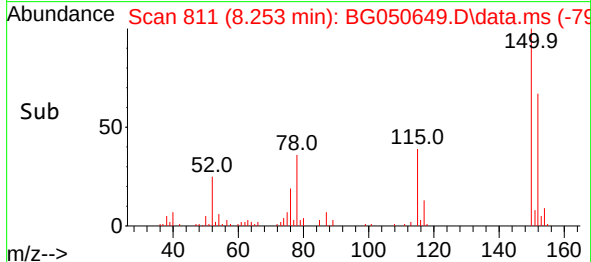
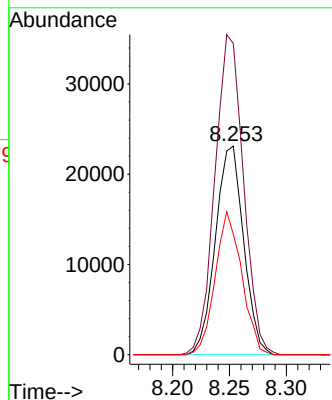
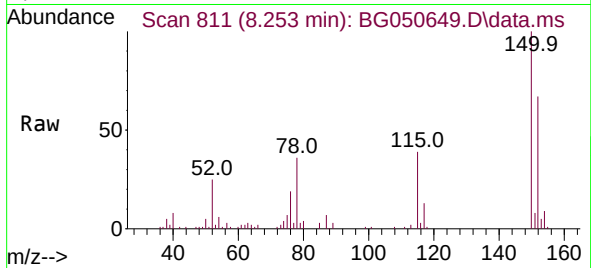




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.253 min Scan# 811
Delta R.T. -0.005 min
Lab File: BG050649.D
Acq: 20 Oct 2021 17:27

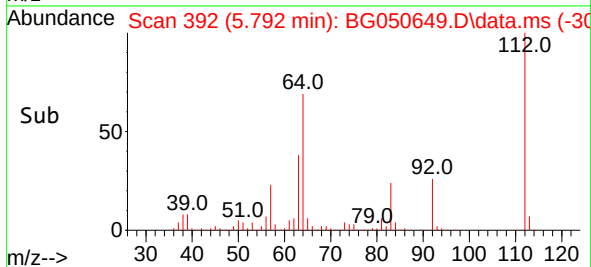
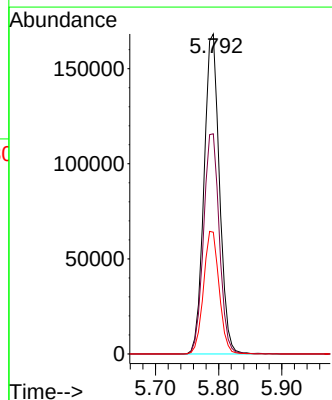
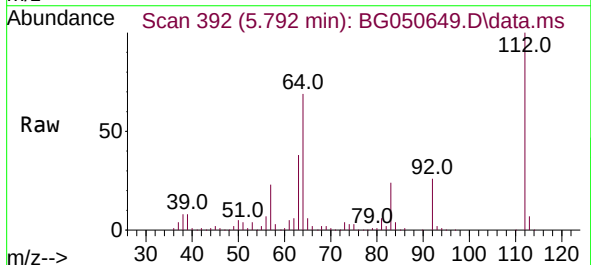
Instrument :
BNA_G
ClientSampleId :
MH-EB-(1)

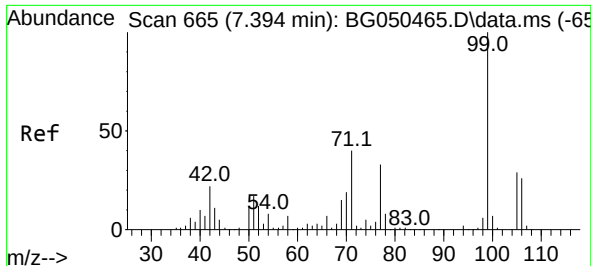
Tgt Ion:152 Resp: 39935
Ion Ratio Lower Upper
152 100
150 149.2 119.4 179.0
115 57.8 60.2 90.4#



#5
2-Fluorophenol
Concen: 107.189 ng
RT: 5.792 min Scan# 392
Delta R.T. 0.001 min
Lab File: BG050649.D
Acq: 20 Oct 2021 17:27

Tgt Ion:112 Resp: 286225
Ion Ratio Lower Upper
112 100
64 68.8 46.7 70.1
63 38.0 35.3 52.9

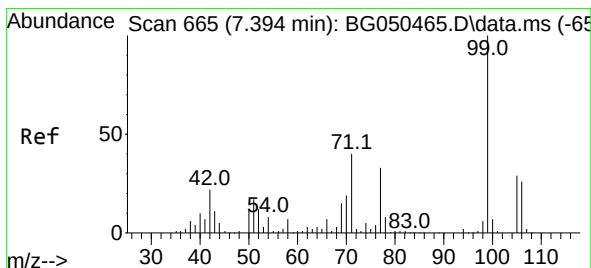
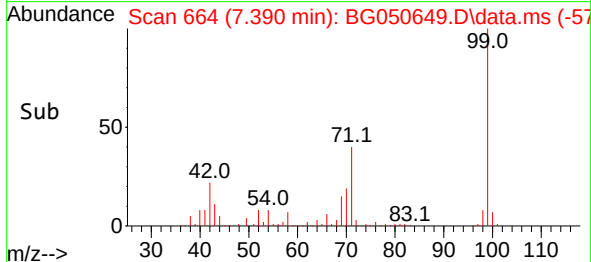
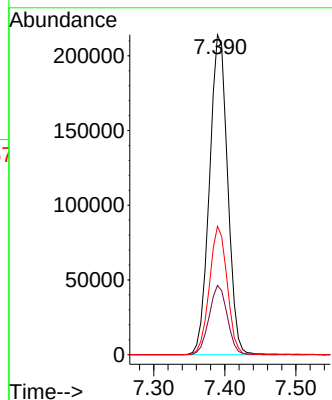
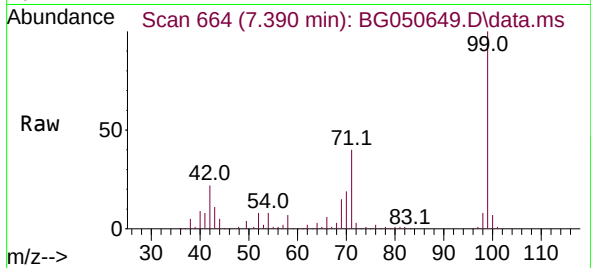




#7
Phenol-d6
Concen: 98.146 ng
RT: 7.390 min Scan# 664
Delta R.T. -0.011 min
Lab File: BG050649.D
Acq: 20 Oct 2021 17:27

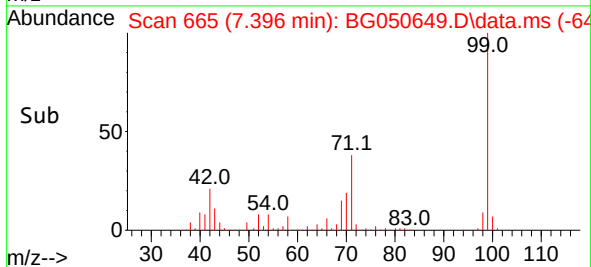
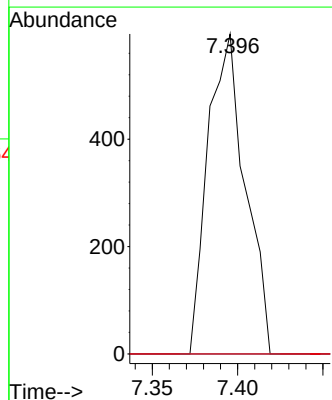
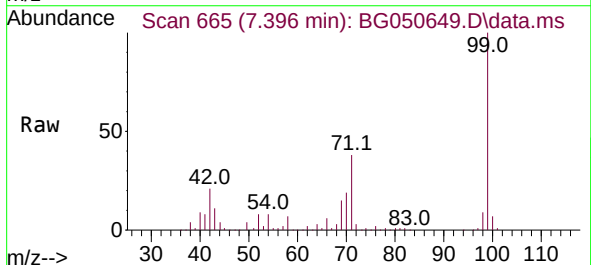
Instrument :
BNA_G
ClientSampleId :
MH-EB-(1)

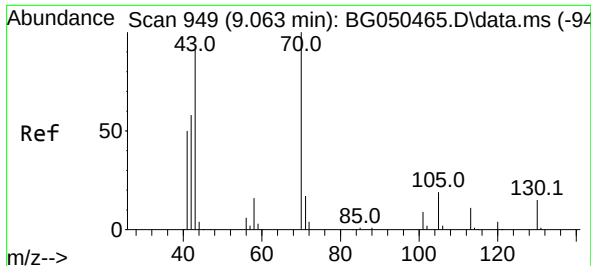
Tgt Ion: 99 Resp: 379441
Ion Ratio Lower Upper
99 100
42 21.7 20.5 30.7
71 40.1 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.396 min Scan# 665
Delta R.T. 0.007 min
Lab File: BG050649.D
Acq: 20 Oct 2021 17:27

Tgt Ion: 77 Resp: 907
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

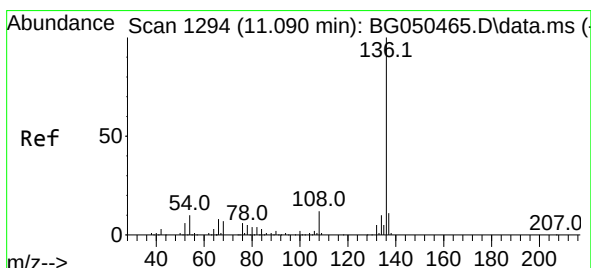
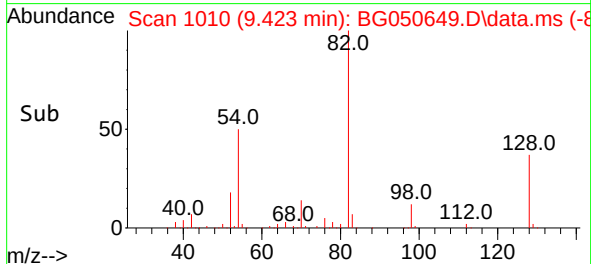
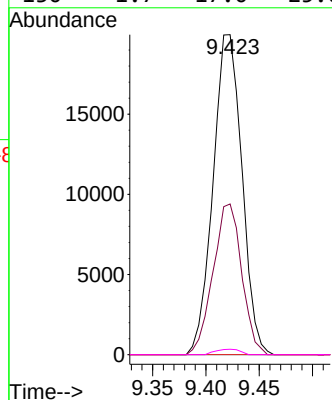
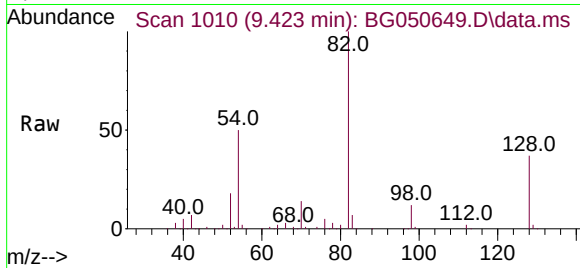




#19
n-Nitroso-di-n-propylamine
Concen: 13.338 ng
RT: 9.423 min Scan# 1010
Delta R.T. 0.365 min
Lab File: BG050649.D
Acq: 20 Oct 2021 17:27

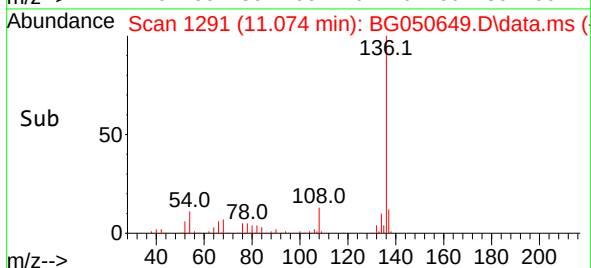
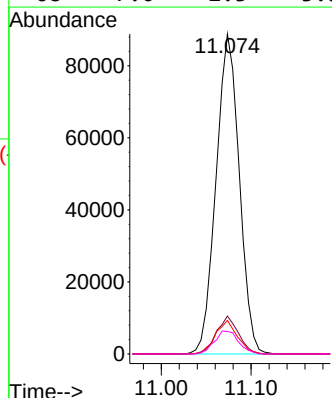
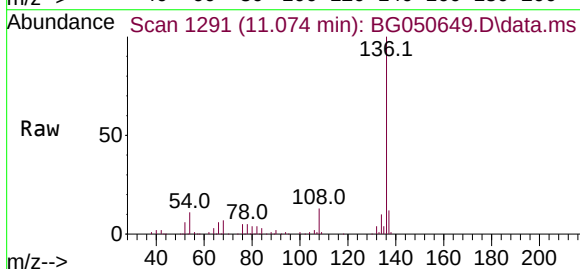
Instrument :
BNA_G
ClientSampleId :
MH-EB-(1)

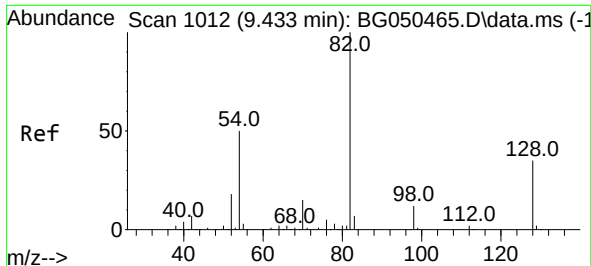
Tgt Ion:	70	Resp:	37584
Ion	Ratio	Lower	Upper
70	100		
42	47.1	54.5	81.7#
101	0.0	9.0	13.6#
130	1.7	17.0	25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.074 min Scan# 1291
Delta R.T. -0.011 min
Lab File: BG050649.D
Acq: 20 Oct 2021 17:27

Tgt Ion:	136	Resp:	159521
Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.2	12.2
54	10.5	5.5	8.3#
68	7.0	2.3	3.5#

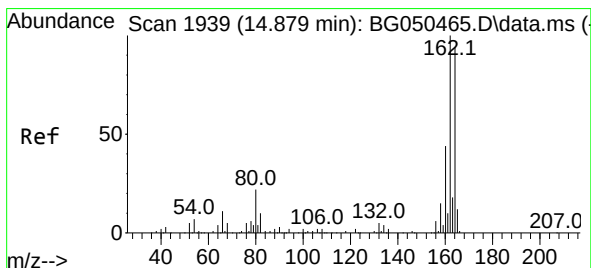
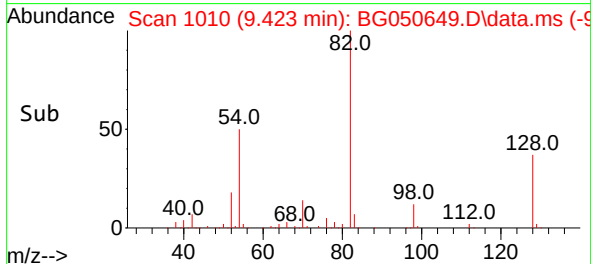
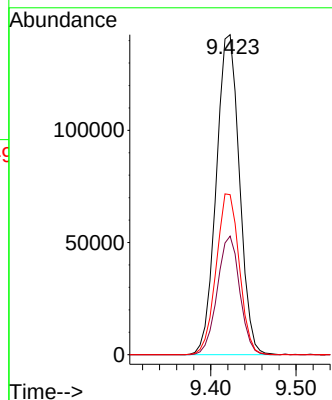
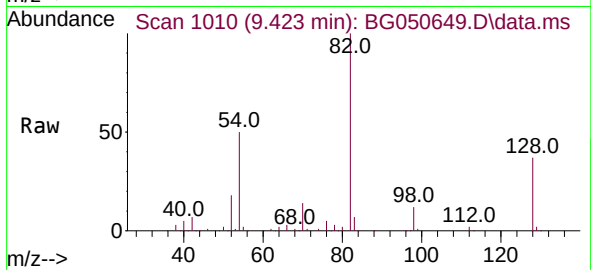




#23
Nitrobenzene-d5
Concen: 69.941 ng
RT: 9.423 min Scan# 1010
Delta R.T. -0.005 min
Lab File: BG050649.D
Acq: 20 Oct 2021 17:27

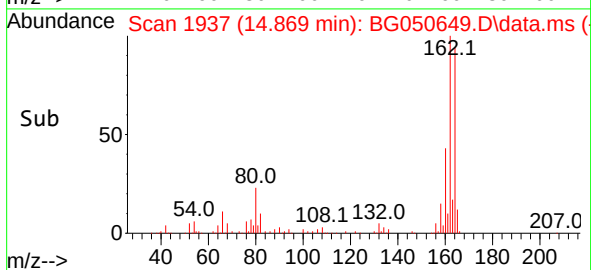
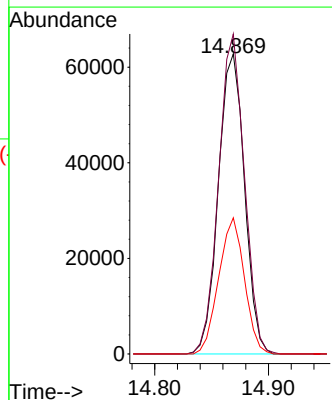
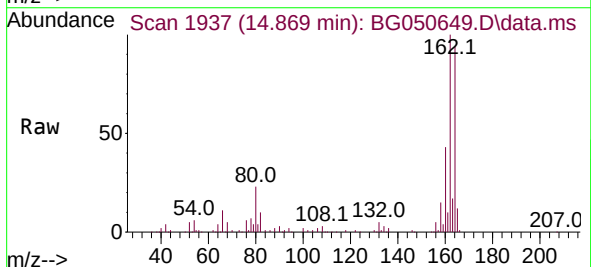
Instrument :
BNA_G
ClientSampleId :
MH-EB-(1)

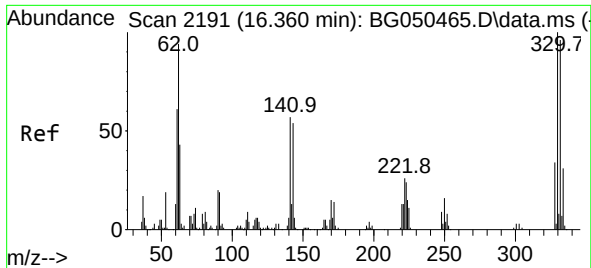
Tgt Ion: 82 Resp: 269522
Ion Ratio Lower Upper
82 100
128 37.1 29.8 44.6
54 50.0 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.869 min Scan# 1937
Delta R.T. -0.005 min
Lab File: BG050649.D
Acq: 20 Oct 2021 17:27

Tgt Ion:164 Resp: 100292
Ion Ratio Lower Upper
164 100
162 106.6 81.4 122.0
160 45.4 34.9 52.3

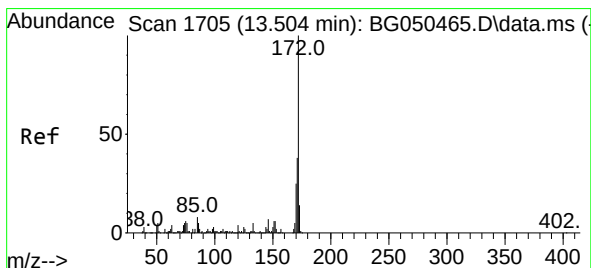
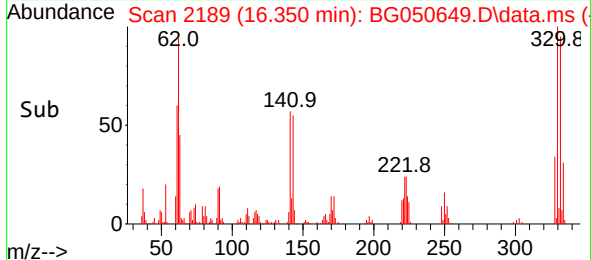
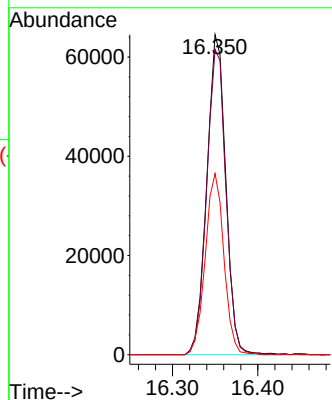
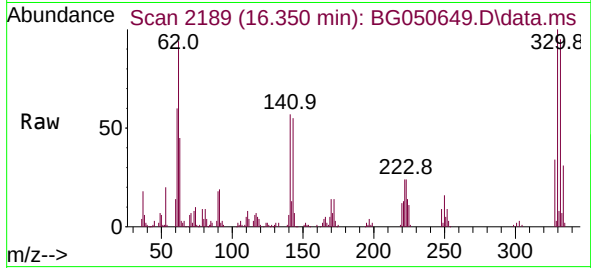




#42
2,4,6-Tribromophenol
Concen: 104.193 ng
RT: 16.350 min Scan# 2189
Delta R.T. -0.011 min
Lab File: BG050649.D
Acq: 20 Oct 2021 17:27

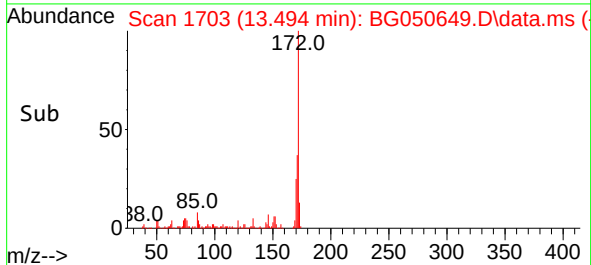
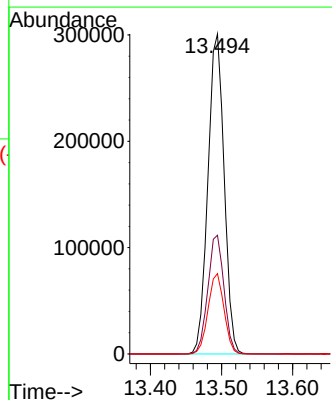
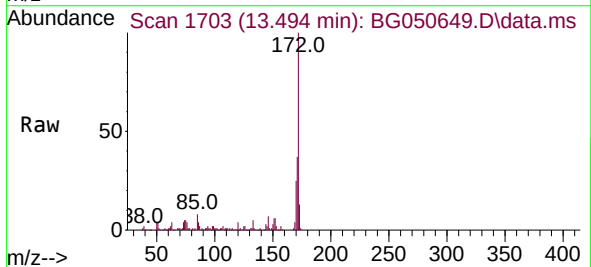
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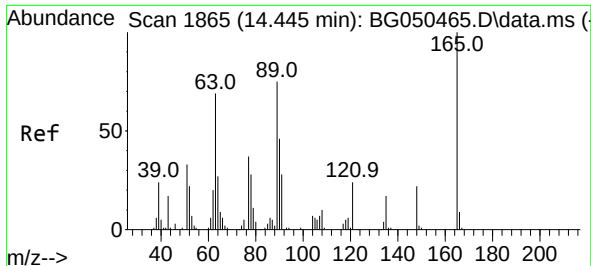
Tgt Ion:330 Resp: 99672
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 55.8 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 71.714 ng
RT: 13.494 min Scan# 1703
Delta R.T. -0.011 min
Lab File: BG050649.D
Acq: 20 Oct 2021 17:27

Tgt Ion:172 Resp: 477885
Ion Ratio Lower Upper
172 100
171 37.1 28.6 43.0
170 25.1 18.6 27.8

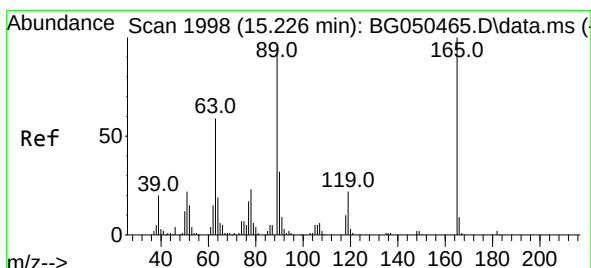
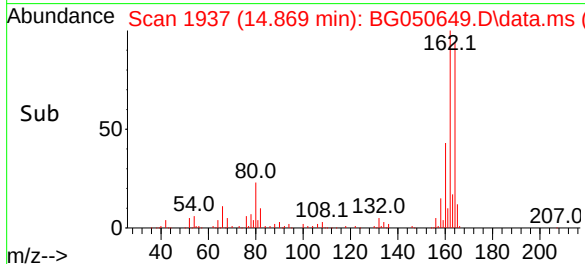
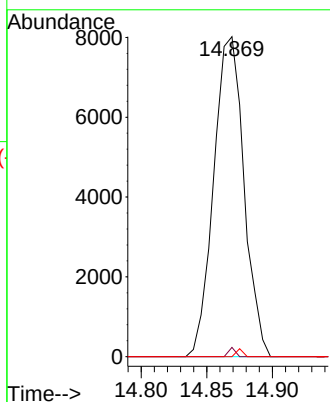
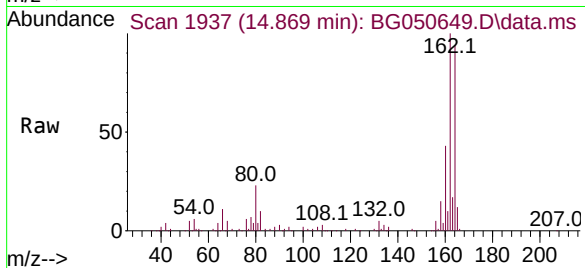




#51
2,6-Dinitrotoluene
Concen: 8.475 ng
RT: 14.869 min Scan# 1937
Delta R.T. 0.424 min
Lab File: BG050649.D
Acq: 20 Oct 2021 17:27

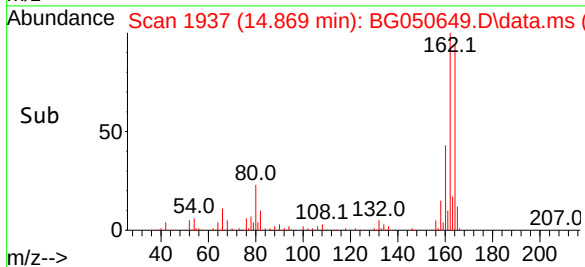
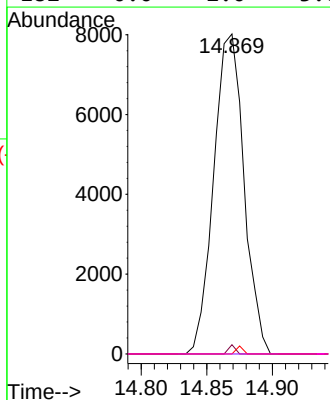
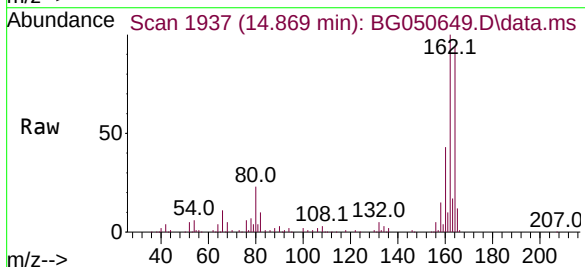
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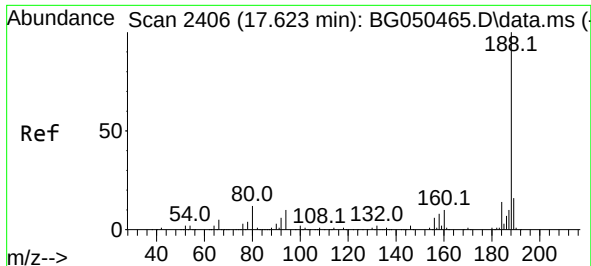
Tgt Ion:165 Resp: 12868
Ion Ratio Lower Upper
165 100
63 2.9 63.3 94.9#
89 0.0 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.013 ng
RT: 14.869 min Scan# 1937
Delta R.T. -0.358 min
Lab File: BG050649.D
Acq: 20 Oct 2021 17:27

Tgt Ion:165 Resp: 12868
Ion Ratio Lower Upper
165 100
63 2.9 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#

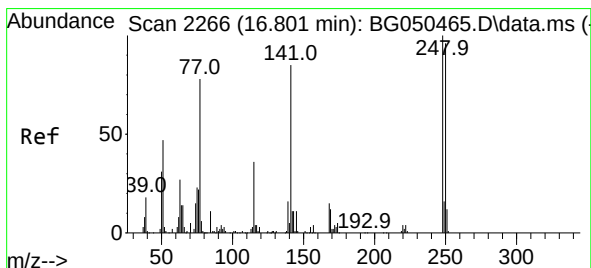
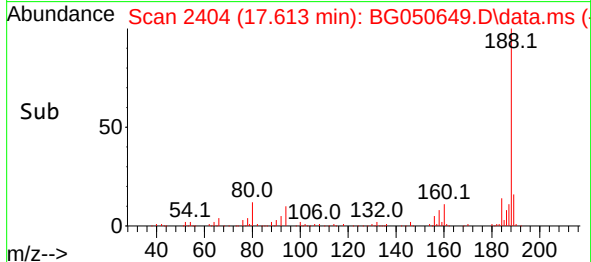
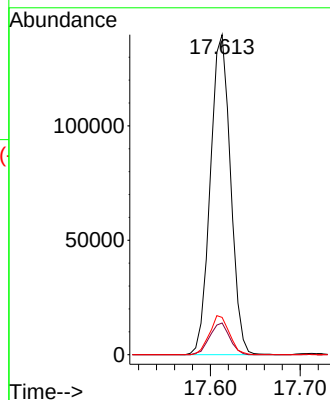
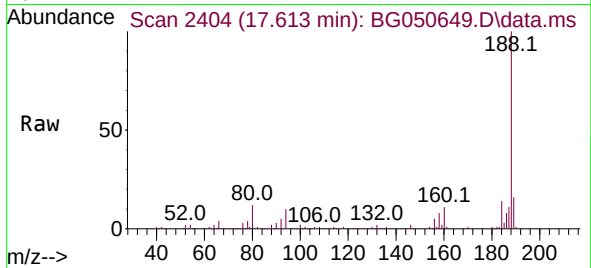




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.613 min Scan# 2404
Delta R.T. -0.005 min
Lab File: BG050649.D
Acq: 20 Oct 2021 17:27

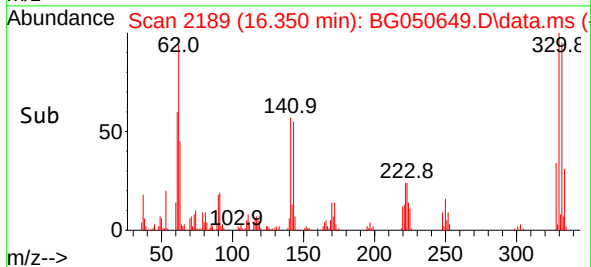
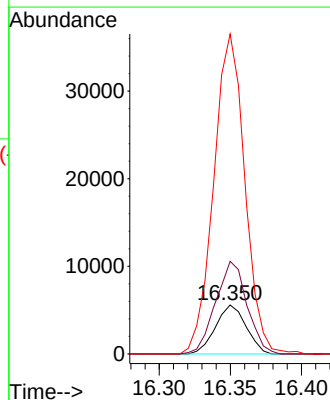
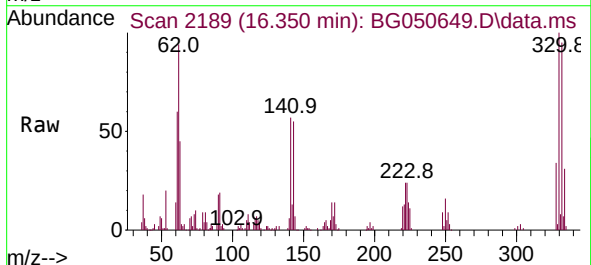
Instrument :
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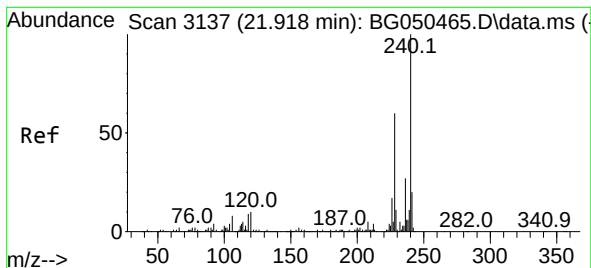
Tgt Ion:188 Resp: 218105
Ion Ratio Lower Upper
188 100
94 9.9 5.4 8.0#
80 11.7 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 3.792 ng
RT: 16.350 min Scan# 2189
Delta R.T. -0.452 min
Lab File: BG050649.D
Acq: 20 Oct 2021 17:27

Tgt Ion:248 Resp: 8334
Ion Ratio Lower Upper
248 100
250 189.0 76.1 114.1#
141 653.4 65.4 98.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.908 min Scan# 3135

Delta R.T. -0.017 min

Lab File: BG050649.D

Acq: 20 Oct 2021 17:27

Tgt Ion:240 Resp: 223368

Ion Ratio Lower Upper

240 100

120 9.2 4.2 6.2#

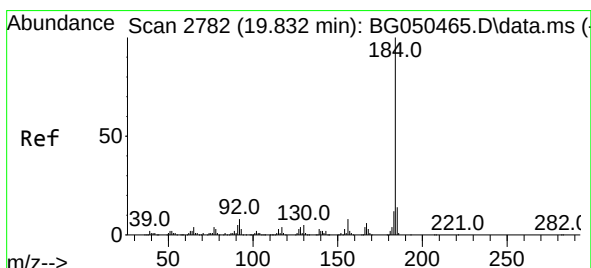
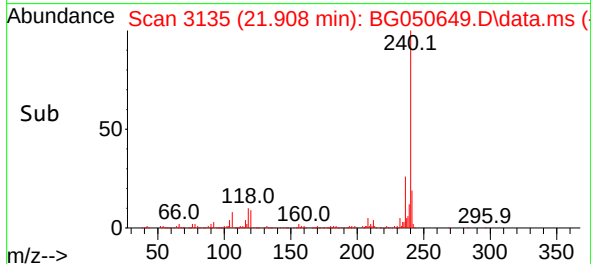
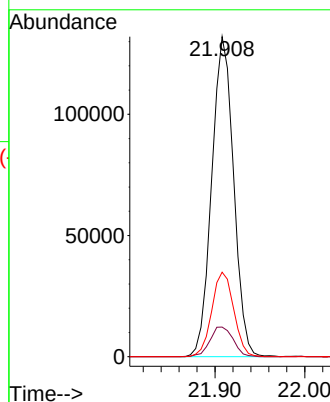
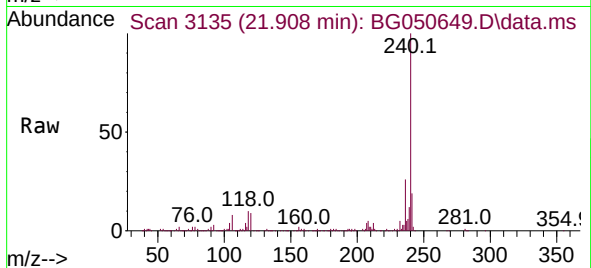
236 26.4 21.8 32.6

Instrument :

BNA_G

ClientSampleId :

MH-EB-(1)



#77

Benzidine

Concen: 2.115 ng

RT: 20.198 min Scan# 2844

Delta R.T. 0.365 min

Lab File: BG050649.D

Acq: 20 Oct 2021 17:27

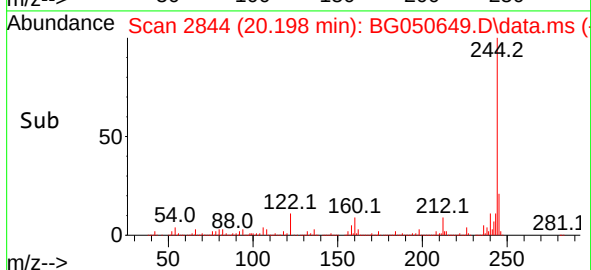
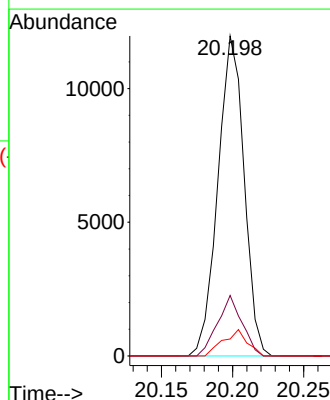
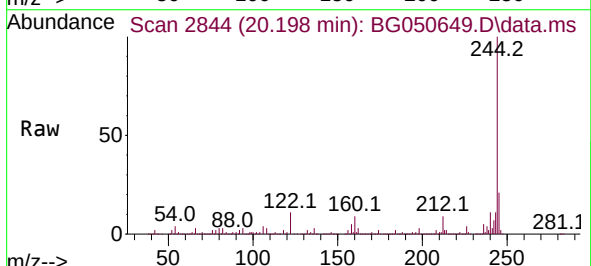
Tgt Ion:184 Resp: 15314

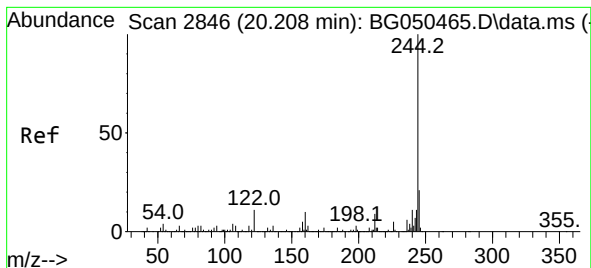
Ion Ratio Lower Upper

184 100

185 18.9 10.7 16.1#

183 5.3 9.4 14.0#





#79

Terphenyl-d14

Concen: 67.375 ng

RT: 20.198 min Scan# 2844

Delta R.T. -0.011 min

Lab File: BG050649.D

Acq: 20 Oct 2021 17:27

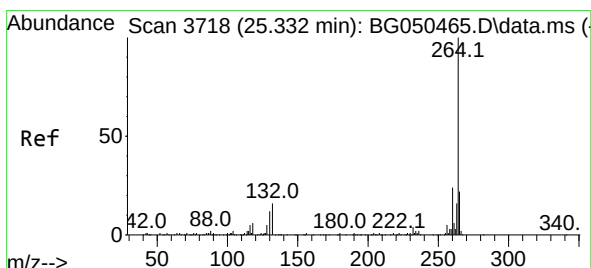
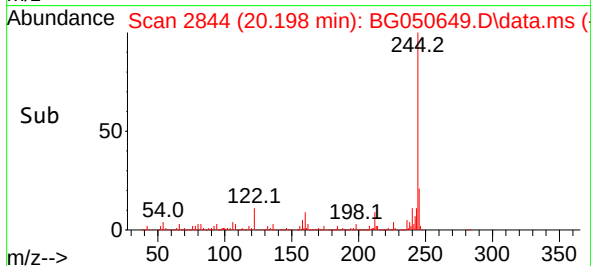
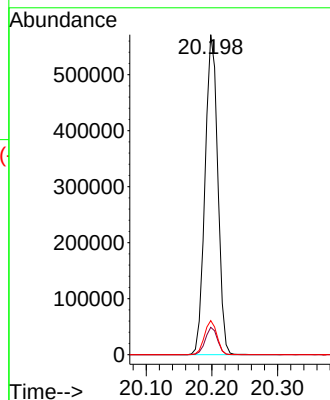
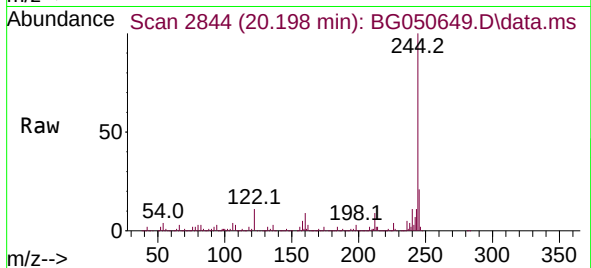
Tgt Ion:244 Resp: 772234

Ion Ratio Lower Upper

244 100

212 8.6 6.9 10.3

122 10.6 5.0 7.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.316 min Scan# 3715

Delta R.T. -0.017 min

Lab File: BG050649.D

Acq: 20 Oct 2021 17:27

Tgt Ion:264 Resp: 217549

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

265 22.3 16.9 25.3

