

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101821\
 Data File : BG050621.D
 Acq On : 18 Oct 2021 17:30
 Operator : CG/JU
 Sample : M4251-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SW-RR-03-(SA)

Quant Time: Oct 18 18:30:15 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)

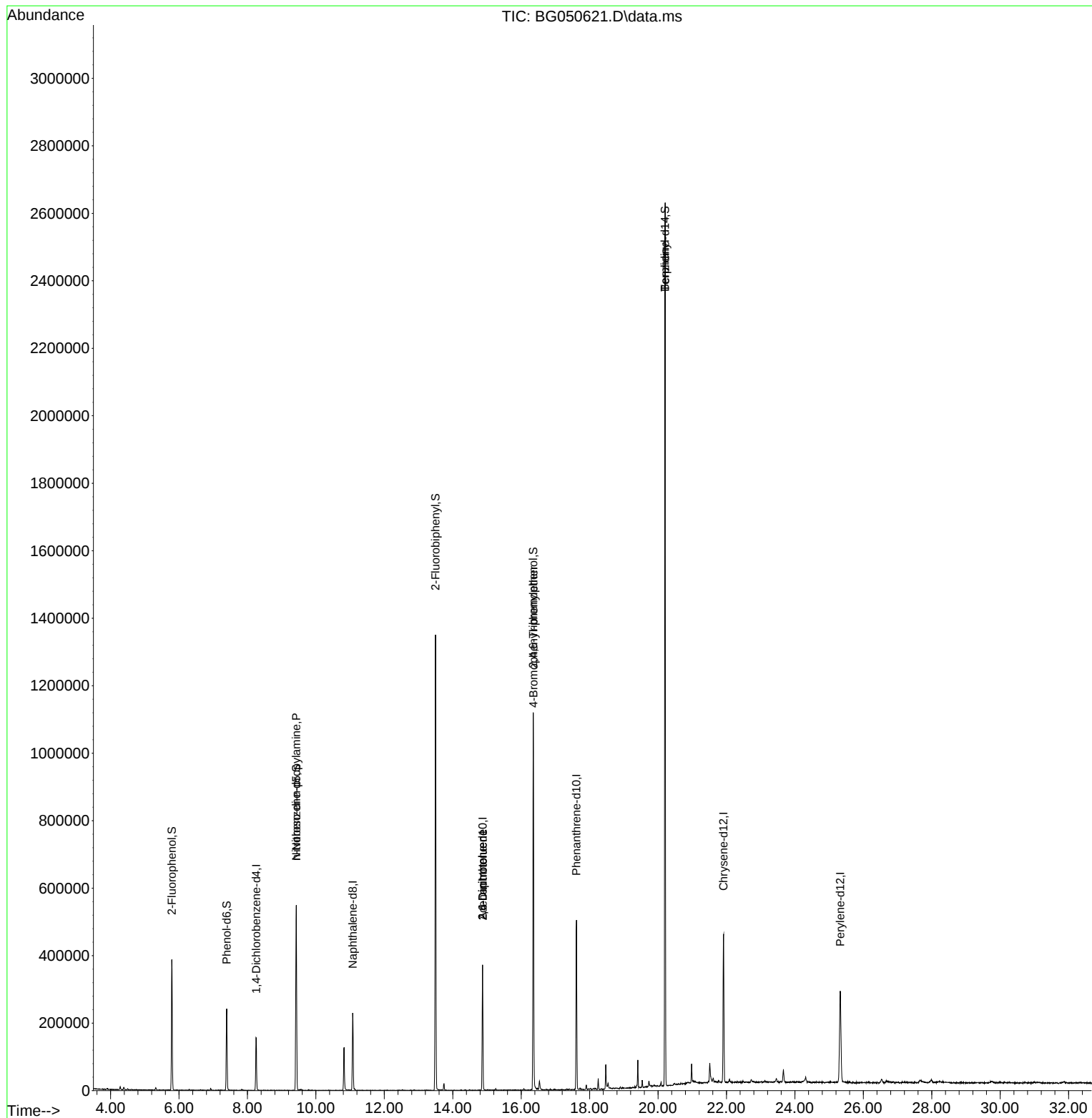
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.256	152	42615	20.000	ng	0.00
21) Naphthalene-d8	11.076	136	185741	20.000	ng	# 0.00
39) Acenaphthene-d10	14.872	164	130686	20.000	ng	0.00
64) Phenanthrene-d10	17.616	188	311415	20.000	ng	# 0.00
76) Chrysene-d12	21.911	240	277803	20.000	ng	#-0.01
86) Perylene-d12	25.324	264	267647	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.788	112	160070	56.175	ng	0.00
7) Phenol-d6	7.392	99	137545	33.340	ng	0.00
23) Nitrobenzene-d5	9.425	82	355019	79.123	ng	0.00
42) 2,4,6-Tribromophenol	16.352	330	159058	127.602	ng	0.00
45) 2-Fluorobiphenyl	13.497	172	664893	76.572	ng	0.00
79) Terphenyl-d14	20.207	244	1173513	82.323	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.392	77	152	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.425	70	49996	16.627	ng	# 73
51) 2,6-Dinitrotoluene	14.872	165	16494	8.336	ng	# 13
57) 2,4-Dinitrotoluene	14.872	165	16494	5.914	ng	# 18
67) 4-Bromophenyl-phenylether	16.358	248	13389	4.267	ng	# 1
77) Benzidine	20.207	184	23732	2.636	ng	# 92

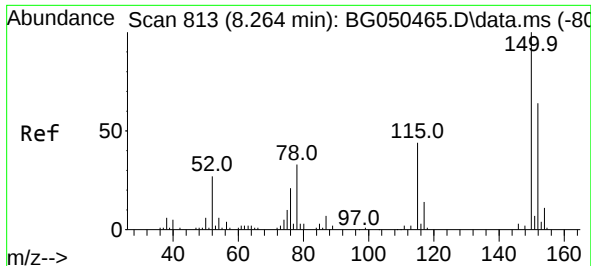
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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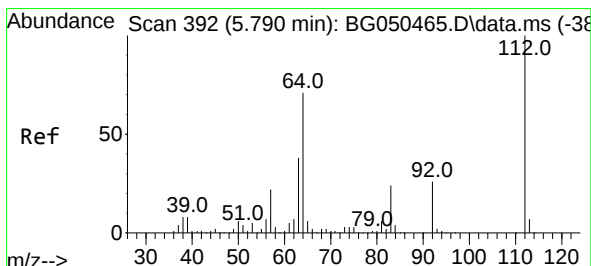
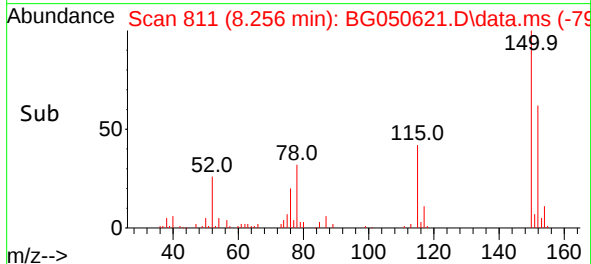
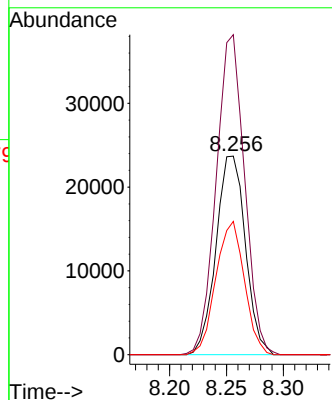
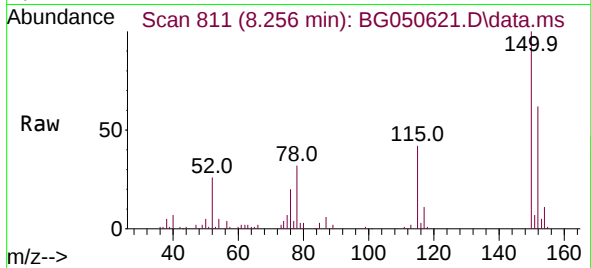




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.256 min Scan# 811
Delta R.T. -0.002 min
Lab File: BG050621.D
Acq: 18 Oct 2021 17:30

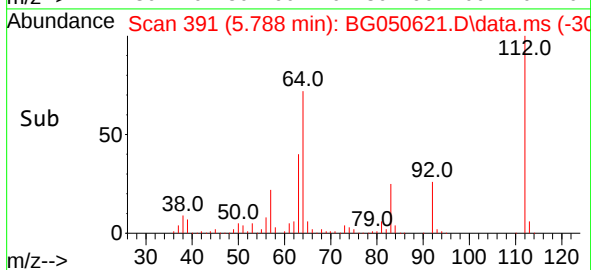
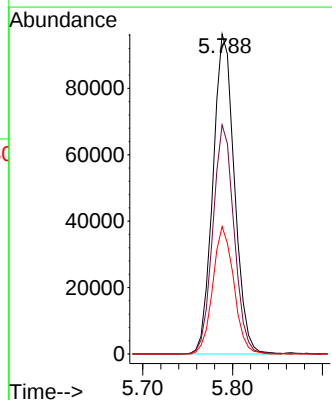
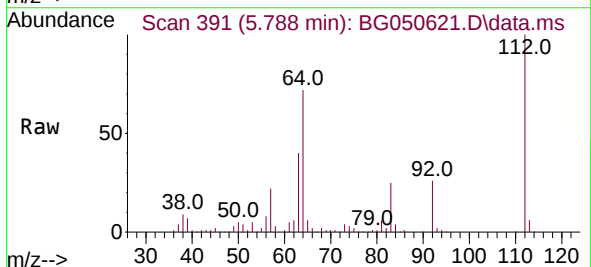
Instrument :
BNA_G
ClientSampleId :
SW-RR-03-(SA)

Tgt Ion:152 Resp: 42615
Ion Ratio Lower Upper
152 100
150 161.2 119.4 179.0
115 67.1 60.2 90.4



#5
2-Fluorophenol
Concen: 56.175 ng
RT: 5.788 min Scan# 391
Delta R.T. -0.002 min
Lab File: BG050621.D
Acq: 18 Oct 2021 17:30

Tgt Ion:112 Resp: 160070
Ion Ratio Lower Upper
112 100
64 71.6 46.7 70.1#
63 39.8 35.3 52.9

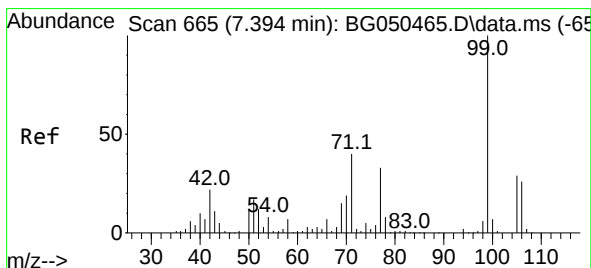
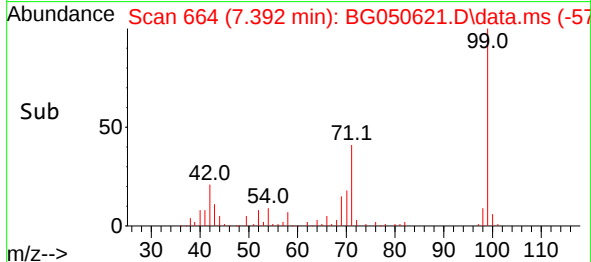
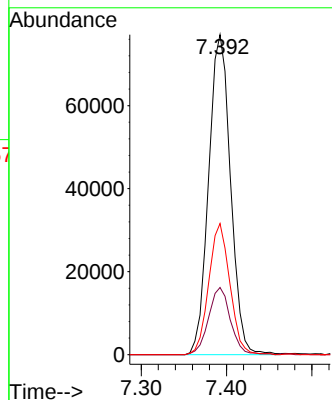
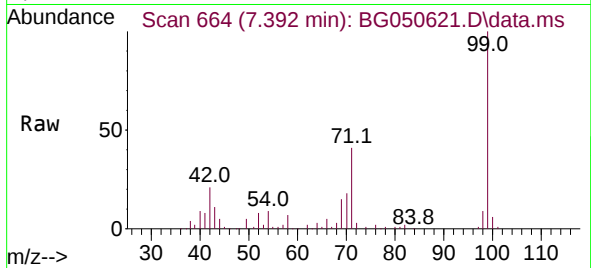




#7
Phenol-d6
Concen: 33.340 ng
RT: 7.392 min Scan# 664
Delta R.T. -0.008 min
Lab File: BG050621.D
Acq: 18 Oct 2021 17:30

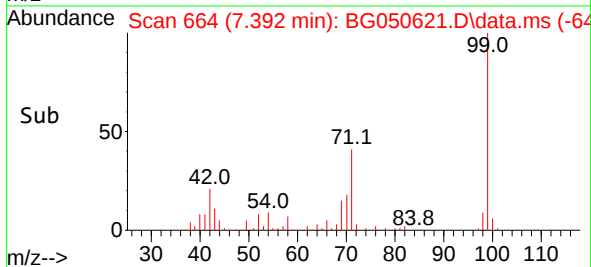
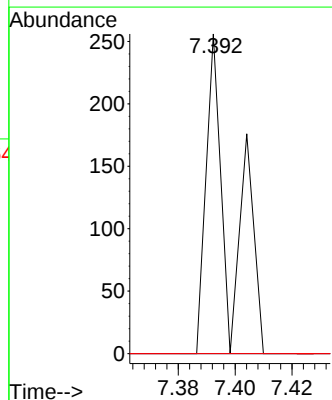
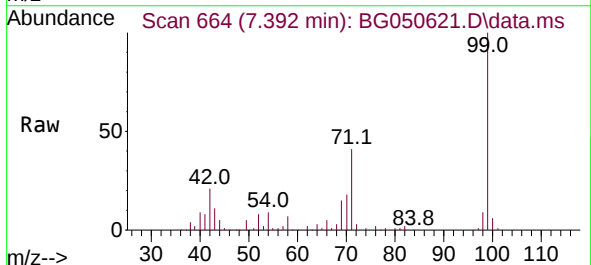
Instrument :
BNA_G
ClientSampleId :
SW-RR-03-(SA)

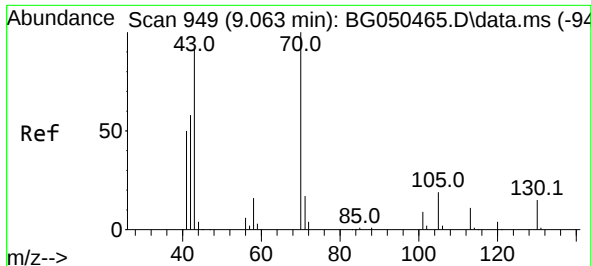
Tgt Ion: 99 Resp: 137545
Ion Ratio Lower Upper
99 100
42 21.0 20.5 30.7
71 41.0 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.392 min Scan# 664
Delta R.T. 0.004 min
Lab File: BG050621.D
Acq: 18 Oct 2021 17:30

Tgt Ion: 77 Resp: 152
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

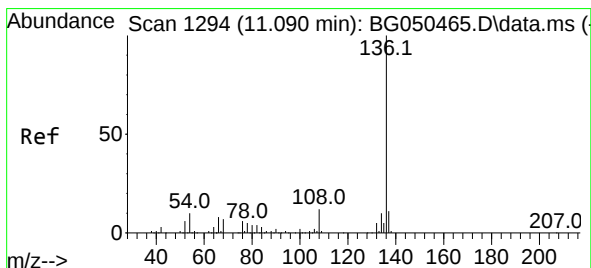
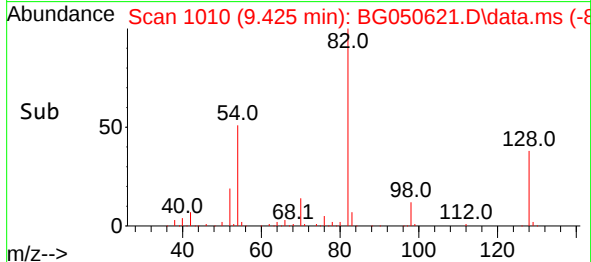
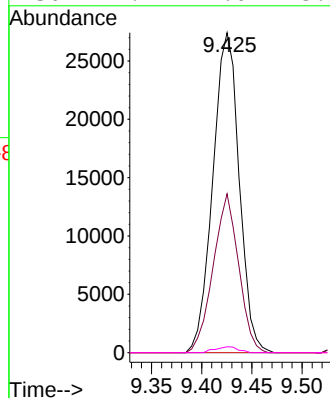
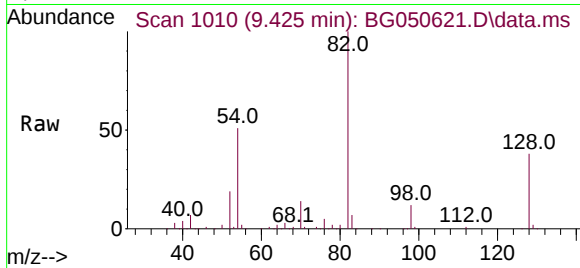




#19
n-Nitroso-di-n-propylamine
Concen: 16.627 ng
RT: 9.425 min Scan# 1010
Delta R.T. 0.368 min
Lab File: BG050621.D
Acq: 18 Oct 2021 17:30

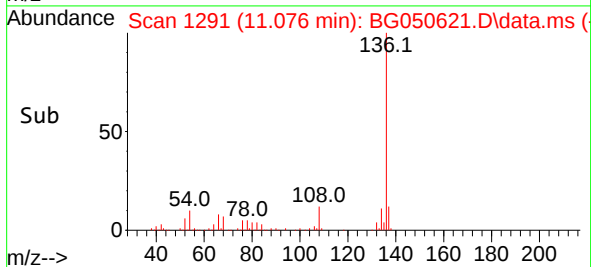
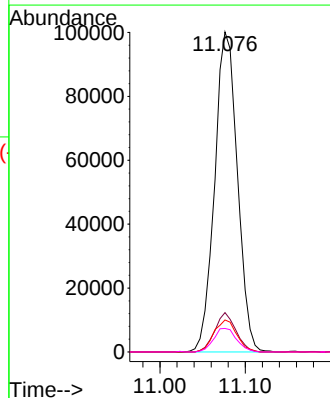
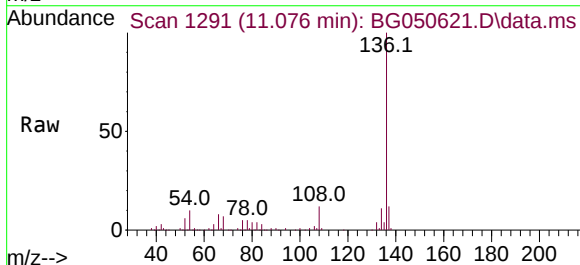
Instrument :
BNA_G
ClientSampleId :
SW-RR-03-(SA)

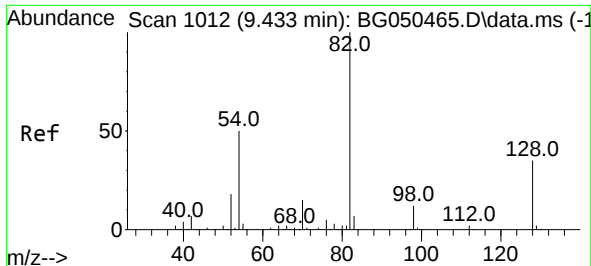
Tgt Ion:	70	Resp:	49996
Ion	Ratio	Lower	Upper
70	100		
42	49.7	54.5	81.7#
101	0.0	9.0	13.6#
130	1.9	17.0	25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.076 min Scan# 1291
Delta R.T. -0.008 min
Lab File: BG050621.D
Acq: 18 Oct 2021 17:30

Tgt Ion:	136	Resp:	185741
Ion	Ratio	Lower	Upper
136	100		
137	12.3	8.2	12.2#
54	10.0	5.5	8.3#
68	7.4	2.3	3.5#

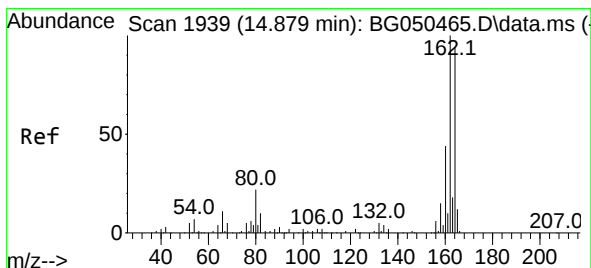
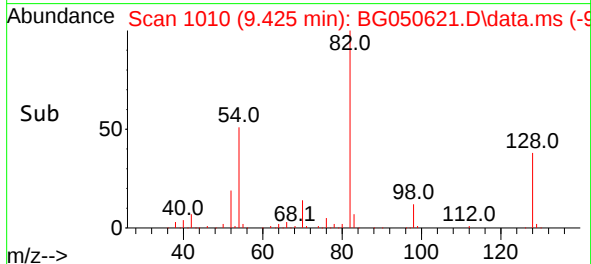
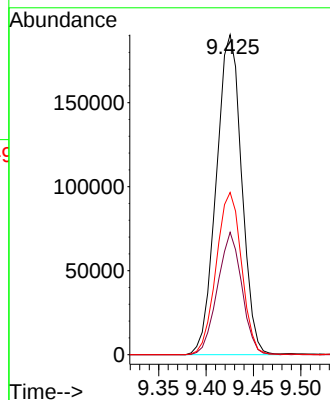
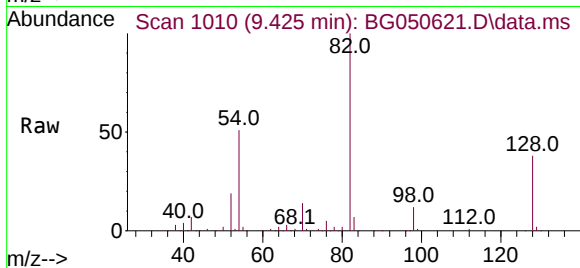




#23
Nitrobenzene-d5
Concen: 79.123 ng
RT: 9.425 min Scan# 1010
Delta R.T. -0.002 min
Lab File: BG050621.D
Acq: 18 Oct 2021 17:30

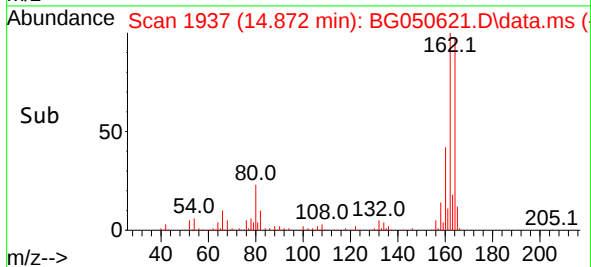
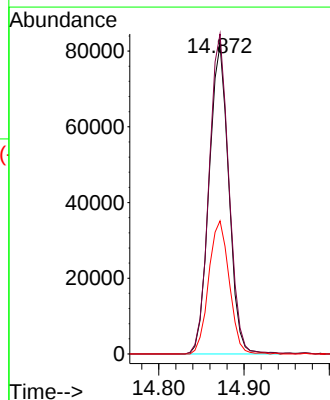
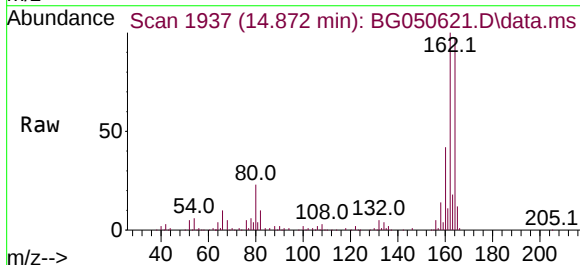
Instrument :
BNA_G
ClientSampleId :
SW-RR-03-(SA)

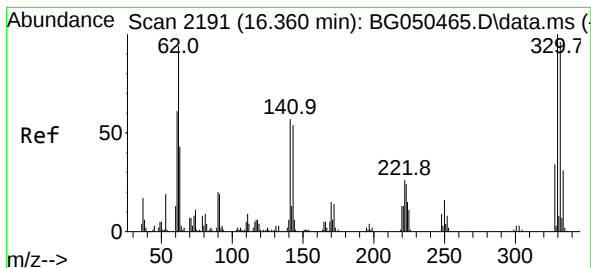
Tgt Ion: 82 Resp: 355019
Ion Ratio Lower Upper
82 100
128 38.3 29.8 44.6
54 50.7 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.872 min Scan# 1937
Delta R.T. -0.002 min
Lab File: BG050621.D
Acq: 18 Oct 2021 17:30

Tgt Ion:164 Resp: 130686
Ion Ratio Lower Upper
164 100
162 103.5 81.4 122.0
160 43.0 34.9 52.3

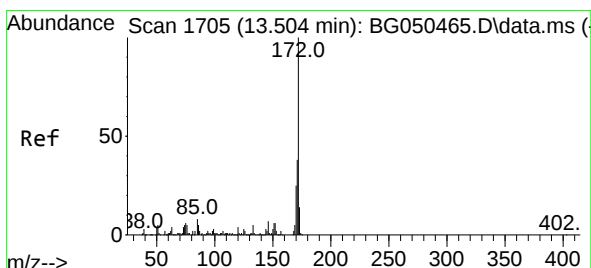
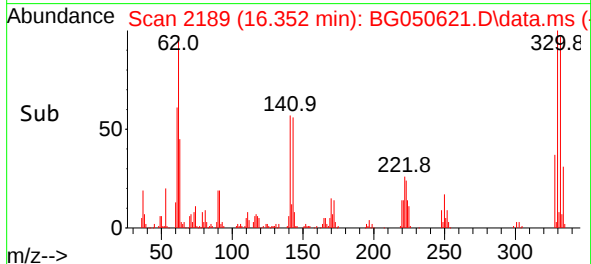
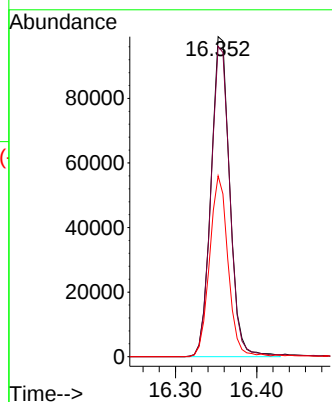
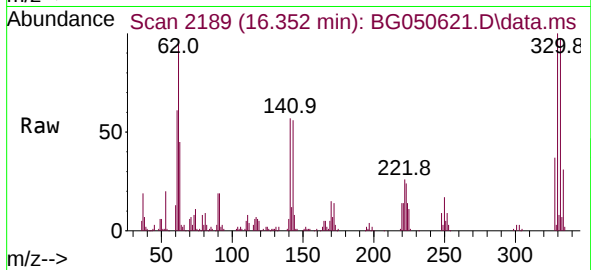




#42
2,4,6-Tribromophenol
Concen: 127.602 ng
RT: 16.352 min Scan# 2189
Delta R.T. -0.008 min
Lab File: BG050621.D
Acq: 18 Oct 2021 17:30

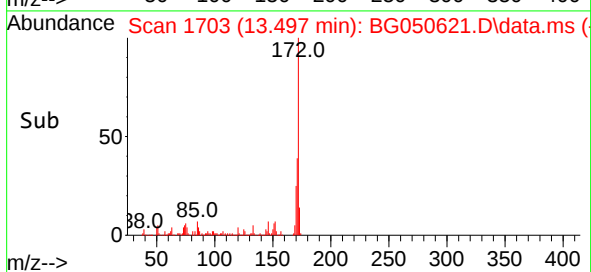
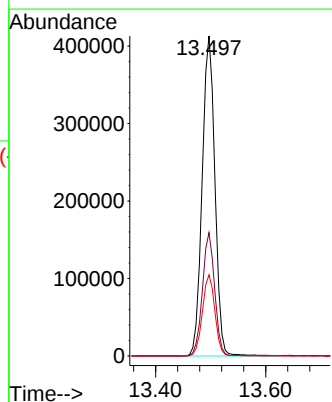
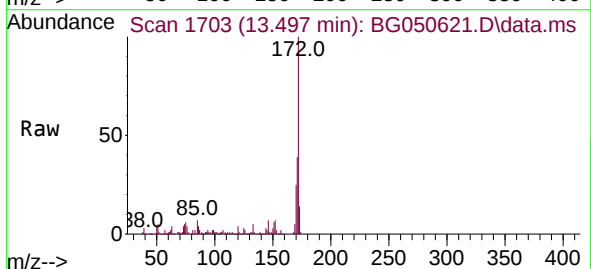
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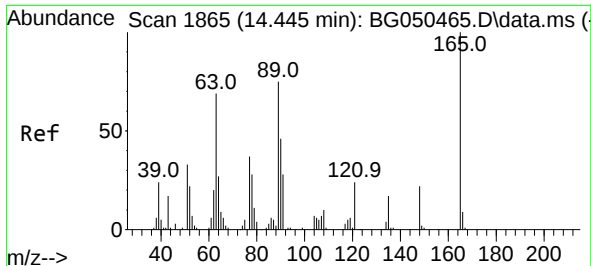
Tgt Ion:330 Resp: 159058
Ion Ratio Lower Upper
330 100
332 98.5 77.3 115.9
141 55.4 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 76.572 ng
RT: 13.497 min Scan# 1703
Delta R.T. -0.008 min
Lab File: BG050621.D
Acq: 18 Oct 2021 17:30

Tgt Ion:172 Resp: 664893
Ion Ratio Lower Upper
172 100
171 38.5 28.6 43.0
170 25.4 18.6 27.8

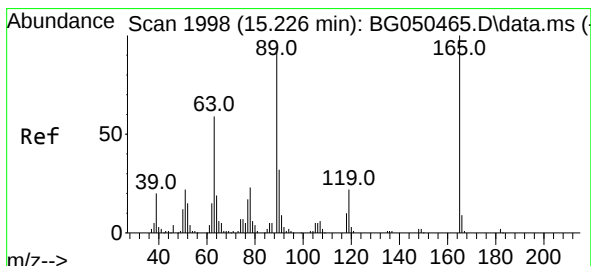
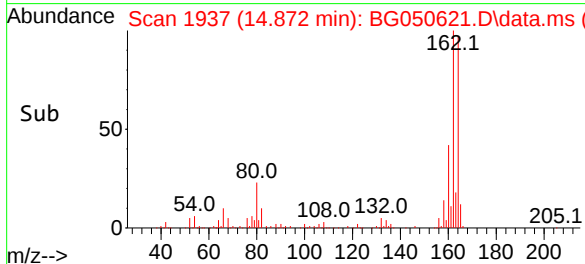
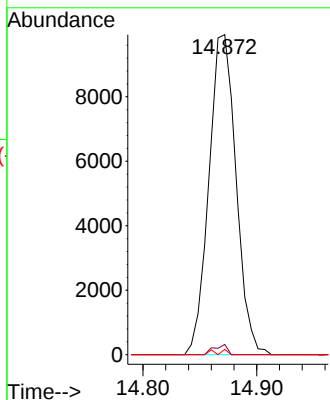
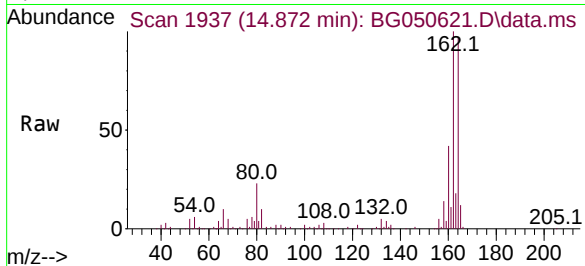




#51
2,6-Dinitrotoluene
Concen: 8.336 ng
RT: 14.872 min Scan# 1937
Delta R.T. 0.427 min
Lab File: BG050621.D
Acq: 18 Oct 2021 17:30

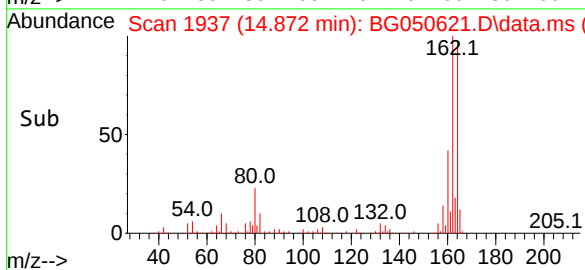
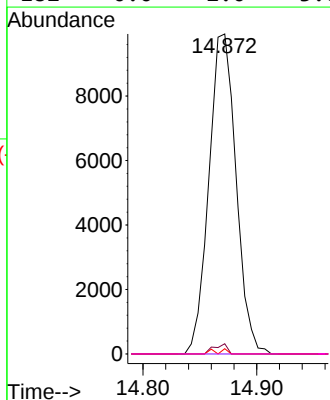
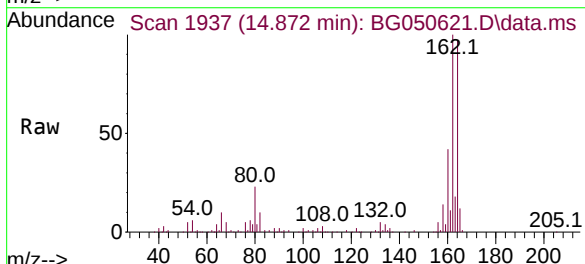
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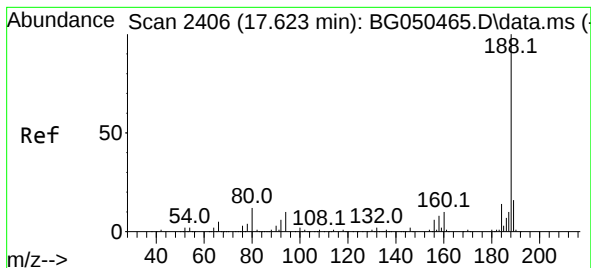
Tgt Ion:165 Resp: 16494
Ion Ratio Lower Upper
165 100
63 3.2 63.3 94.9#
89 1.6 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 5.914 ng
RT: 14.872 min Scan# 1937
Delta R.T. -0.355 min
Lab File: BG050621.D
Acq: 18 Oct 2021 17:30

Tgt Ion:165 Resp: 16494
Ion Ratio Lower Upper
165 100
63 3.2 48.0 72.0#
89 1.6 65.4 98.0#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.616 min Scan# 2404

Delta R.T. -0.002 min

Lab File: BG050621.D

Acq: 18 Oct 2021 17:30

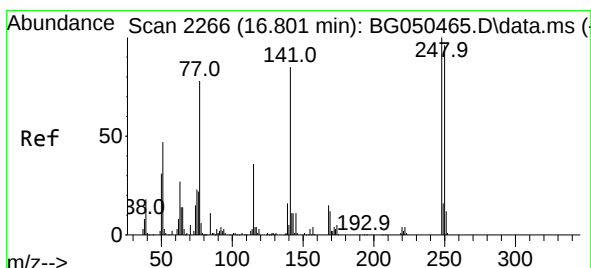
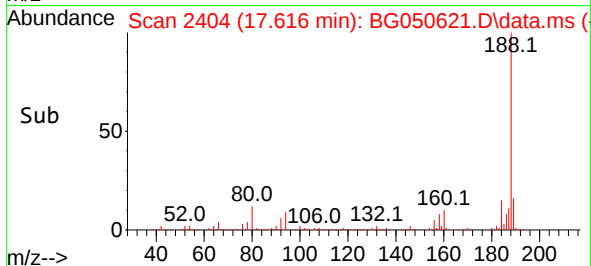
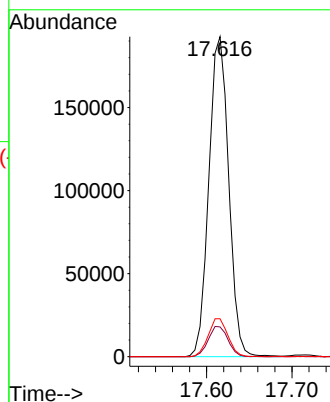
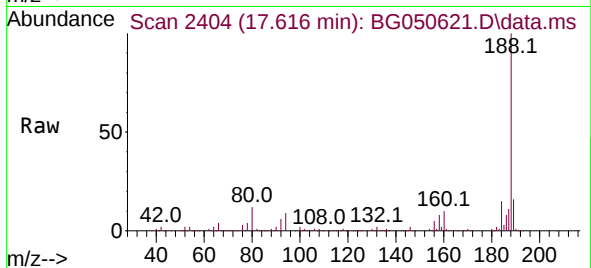
Instrument :

BNA_G

ClientSampleId :

SW-RR-03-(SA)

Tgt Ion:188 Resp: 311415
 Ion Ratio Lower Upper
 188 100
 94 9.3 5.4 8.0#
 80 11.9 3.7 5.5#



#67

4-Bromophenyl-phenylether

Concen: 4.267 ng

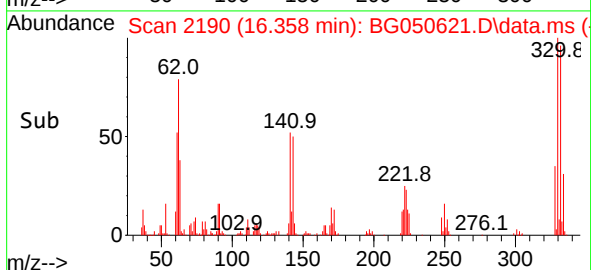
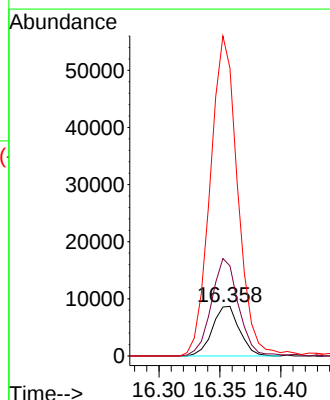
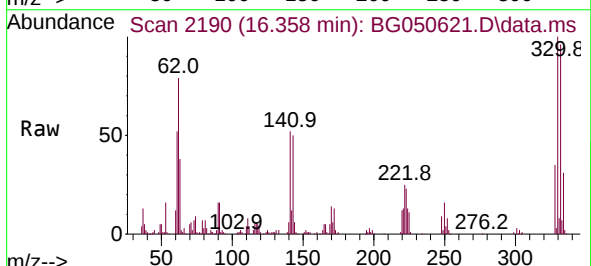
RT: 16.358 min Scan# 2190

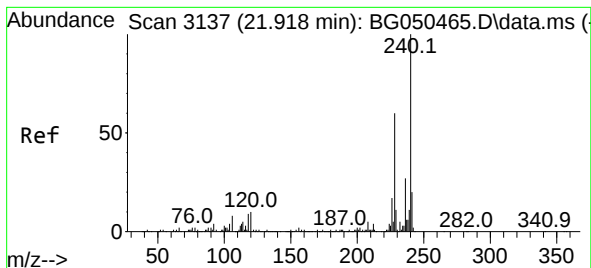
Delta R.T. -0.443 min

Lab File: BG050621.D

Acq: 18 Oct 2021 17:30

Tgt Ion:248 Resp: 13389
 Ion Ratio Lower Upper
 248 100
 250 182.0 76.1 114.1#
 141 581.1 65.4 98.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.911 min Scan# 3135

Delta R.T. -0.014 min

Lab File: BG050621.D

Acq: 18 Oct 2021 17:30

Tgt Ion:240 Resp: 277803

Ion Ratio Lower Upper

240 100

120 10.5 4.2 6.2#

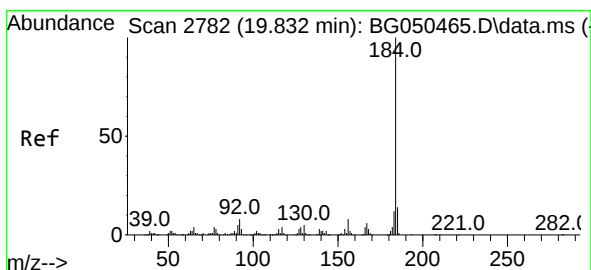
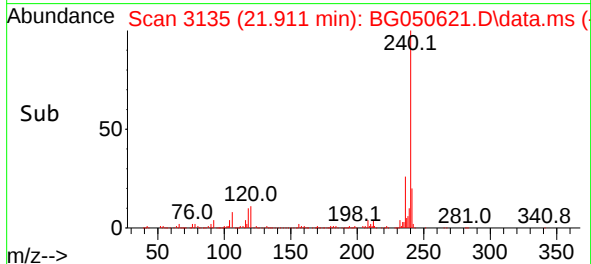
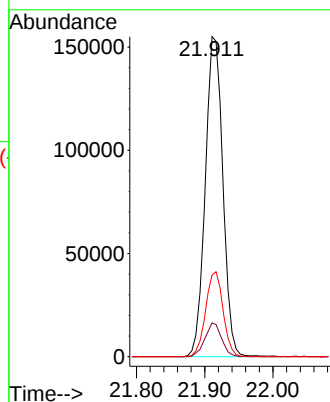
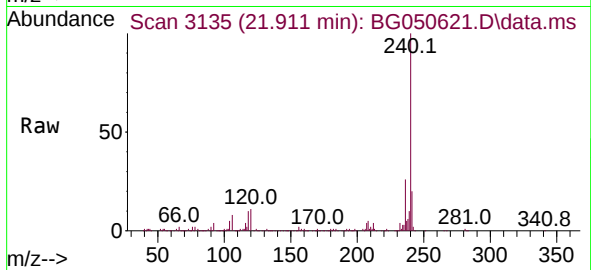
236 25.5 21.8 32.6

Instrument :

BNA_G

ClientSampleId :

SW-RR-03-(SA)



#77

Benzidine

Concen: 2.636 ng

RT: 20.207 min Scan# 2845

Delta R.T. 0.374 min

Lab File: BG050621.D

Acq: 18 Oct 2021 17:30

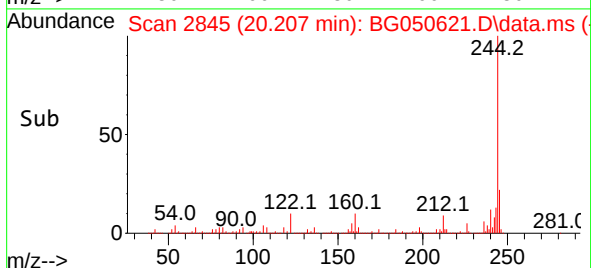
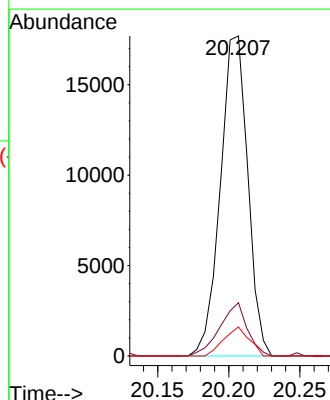
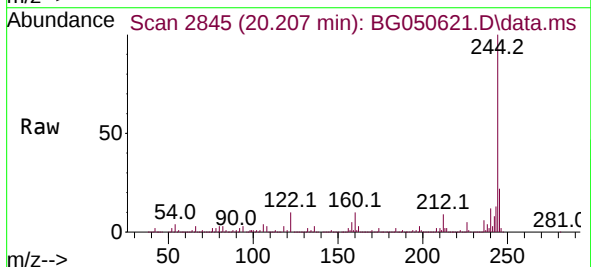
Tgt Ion:184 Resp: 23732

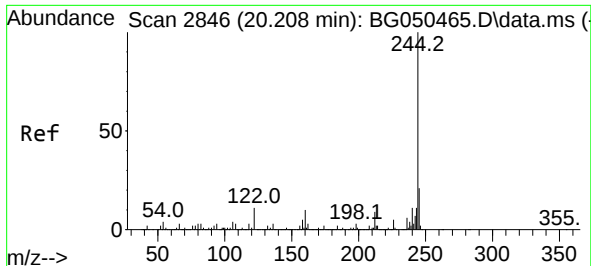
Ion Ratio Lower Upper

184 100

185 16.7 10.7 16.1#

183 9.0 9.4 14.0#

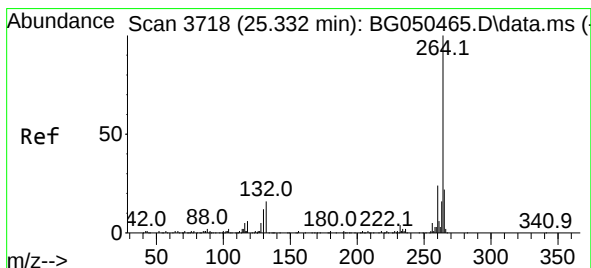
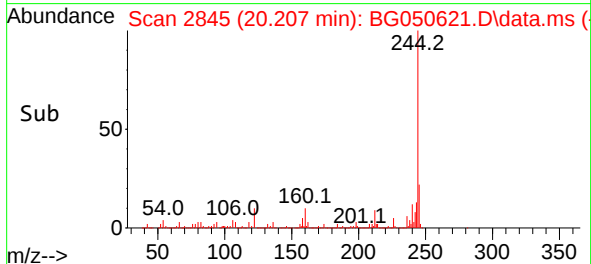
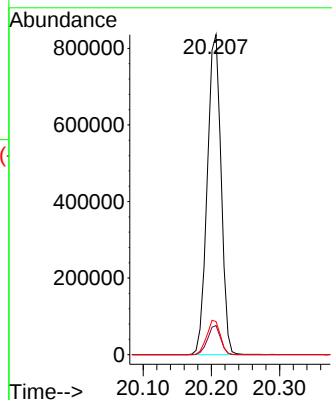
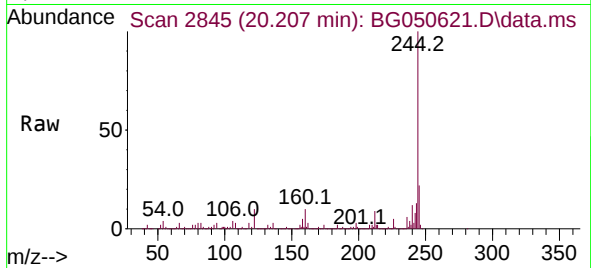




#79
 Terphenyl-d14
 Concen: 82.323 ng
 RT: 20.207 min Scan# 2845
 Delta R.T. -0.002 min
 Lab File: BG050621.D
 Acq: 18 Oct 2021 17:30

Instrument :
 BNA_G
 ClientSampleId :
 SW-RR-03-(SA)

Tgt Ion:244 Resp: 1173513
 Ion Ratio Lower Upper
 244 100
 212 9.1 6.9 10.3
 122 10.4 5.0 7.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.324 min Scan# 3716
 Delta R.T. -0.008 min
 Lab File: BG050621.D
 Acq: 18 Oct 2021 17:30

Tgt Ion:264 Resp: 267647
 Ion Ratio Lower Upper
 264 100
 260 26.0 19.4 29.2
 265 22.4 16.9 25.3

