

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101321\
 Data File : BG050576.D
 Acq On : 13 Oct 2021 18:52
 Operator : CG/JU
 Sample : M4147-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20-20211007-WC

Quant Time: Oct 14 03:04:57 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 06 15:51:01 2021
 Response via : Initial Calibration

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

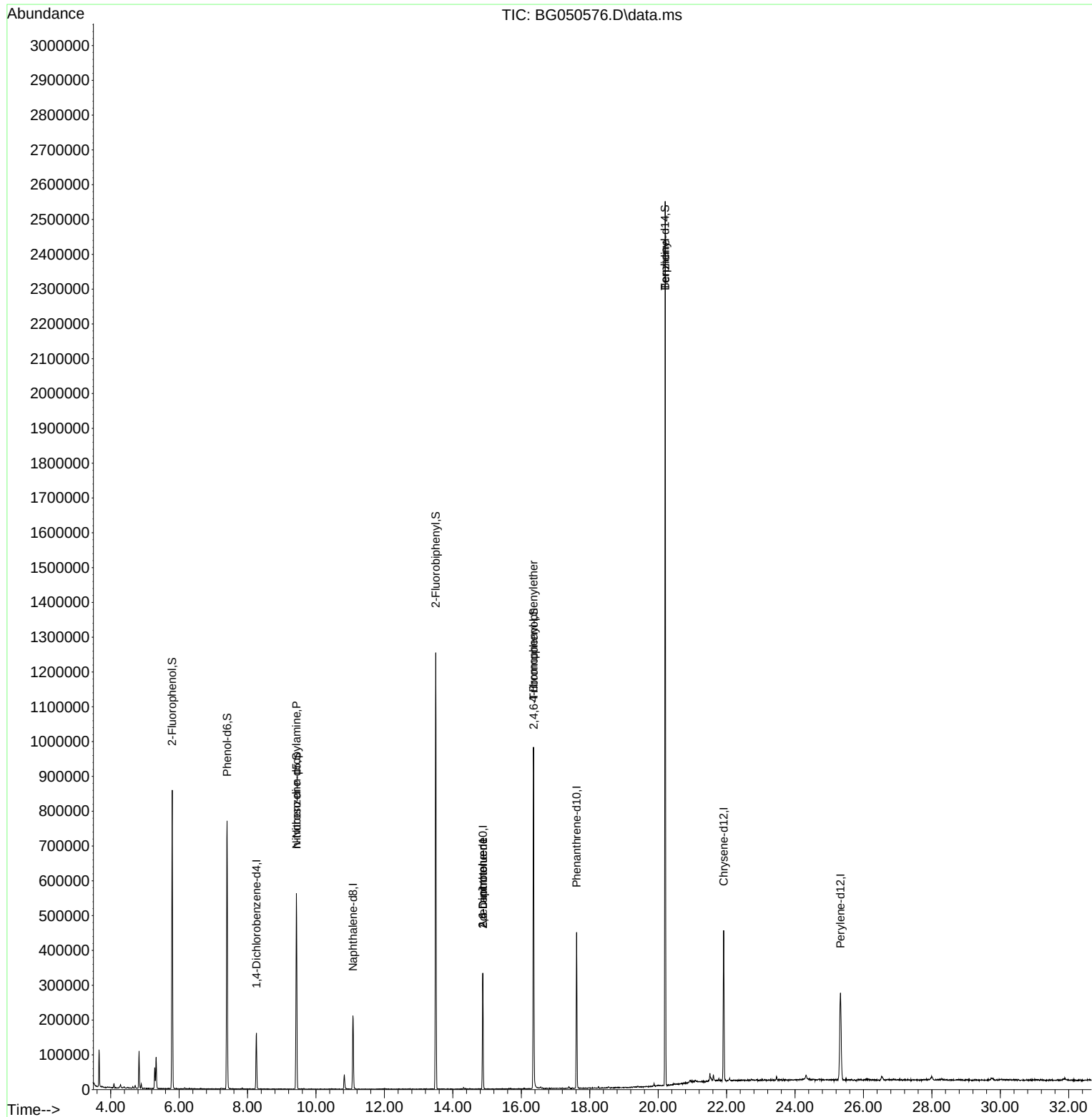
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.258	152	42465	20.000	ng	0.00
21) Naphthalene-d8	11.079	136	175202	20.000	ng	#-0.01
39) Acenaphthene-d10	14.874	164	113848	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	268285	20.000	ng	# 0.00
76) Chrysene-d12	21.913	240	261732	20.000	ng	# 0.00
86) Perylene-d12	25.327	264	253539	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	346180	121.918	ng	0.00
7) Phenol-d6	7.401	99	424794	103.330	ng	0.00
23) Nitrobenzene-d5	9.428	82	356590	84.253	ng	0.00
42) 2,4,6-Tribromophenol	16.361	330	144453	133.025	ng	0.00
45) 2-Fluorobiphenyl	13.499	172	620401	82.015	ng	0.00
79) Terphenyl-d14	20.203	244	1120877	83.459	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.401	77	969	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.428	70	50227	16.762	ng	# 70
51) 2,6-Dinitrotoluene	14.874	165	14616	8.480	ng	# 11
57) 2,4-Dinitrotoluene	14.874	165	14616	6.016	ng	# 16
67) 4-Bromophenyl-phenylether	16.355	248	11530	4.265	ng	# 1
77) Benzidine	20.209	184	22415	2.642	ng	# 94

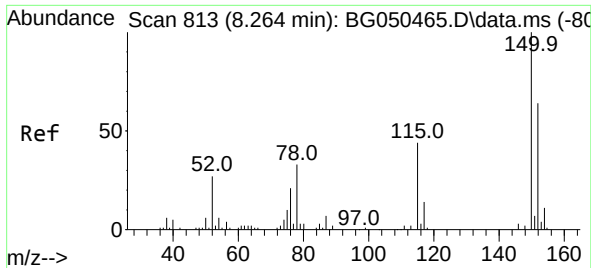
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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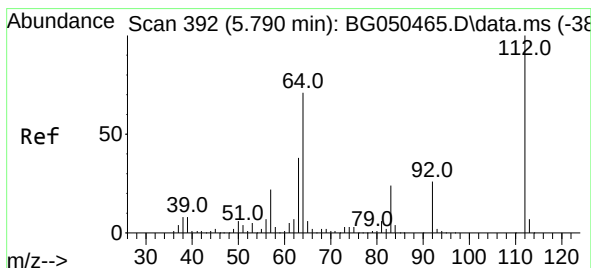
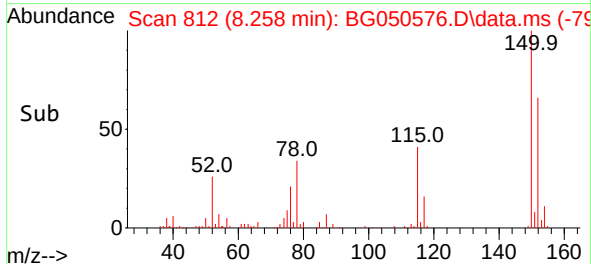
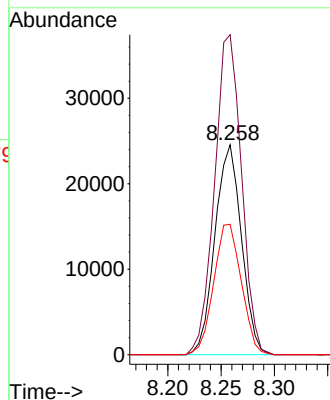
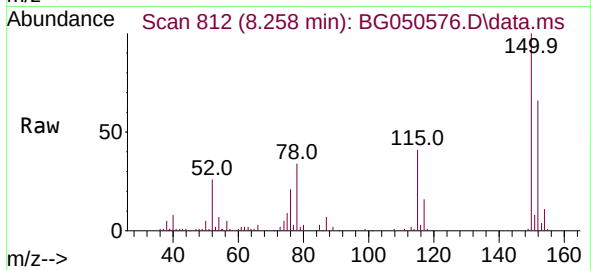




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.258 min Scan# 812
Delta R.T. -0.006 min
Lab File: BG050576.D
Acq: 13 Oct 2021 18:52

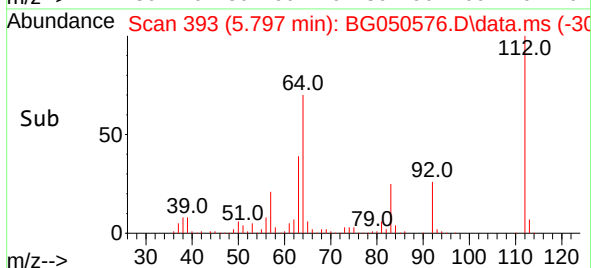
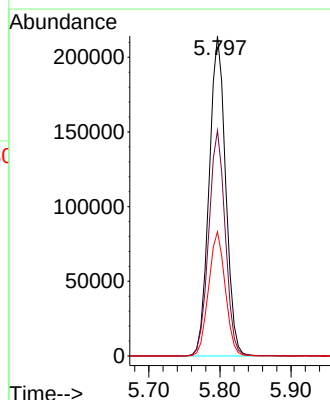
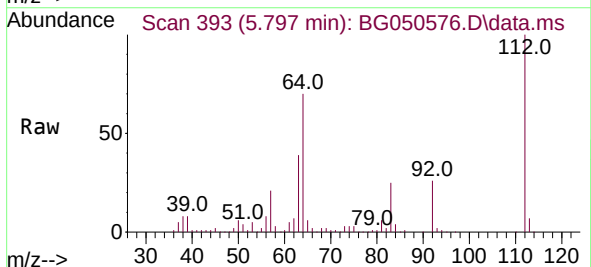
Instrument :
BNA_G
ClientSampleId :
20-20211007-WC

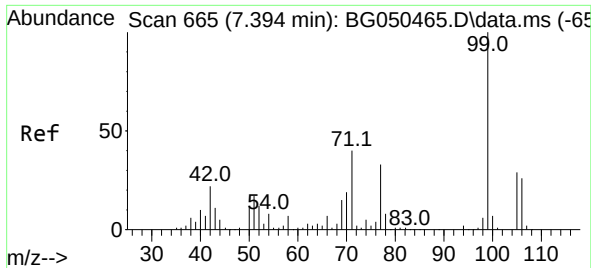
Tgt Ion:152 Resp: 42465
Ion Ratio Lower Upper
152 100
150 152.4 119.4 179.0
115 62.1 60.2 90.4



#5
2-Fluorophenol
Concen: 121.918 ng
RT: 5.797 min Scan# 393
Delta R.T. 0.007 min
Lab File: BG050576.D
Acq: 13 Oct 2021 18:52

Tgt Ion:112 Resp: 346180
Ion Ratio Lower Upper
112 100
64 70.4 46.7 70.1#
63 38.8 35.3 52.9

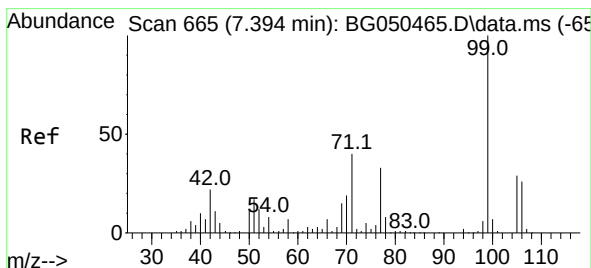
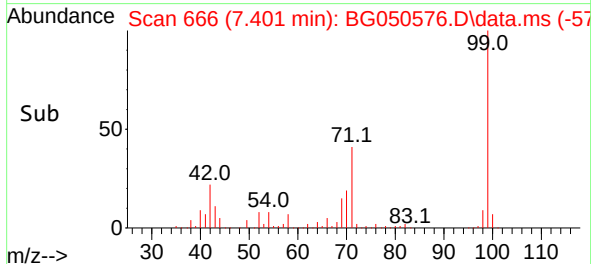
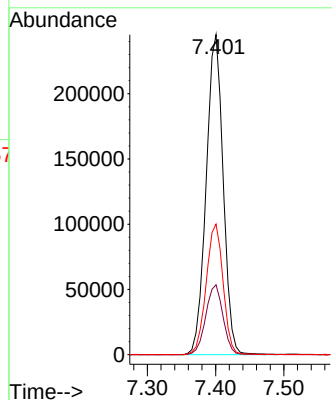
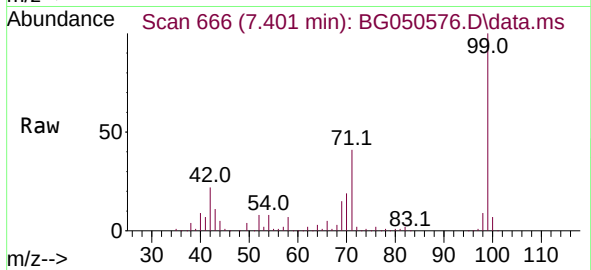




#7
Phenol-d6
Concen: 103.330 ng
RT: 7.401 min Scan# 666
Delta R.T. 0.007 min
Lab File: BG050576.D
Acq: 13 Oct 2021 18:52

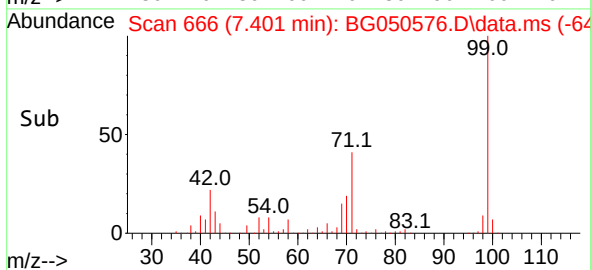
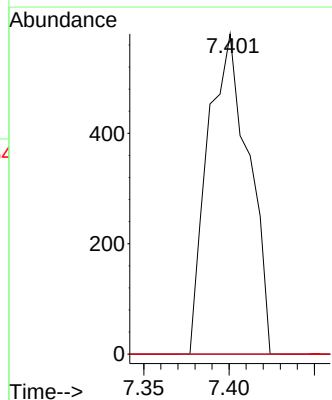
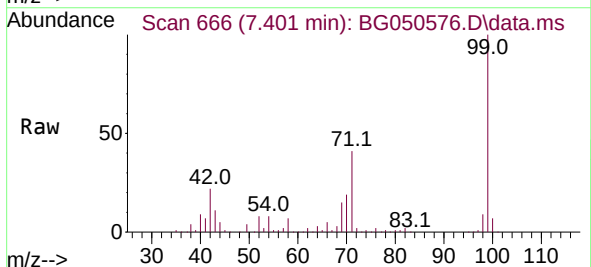
Instrument :
BNA_G
ClientSampleId :
20-20211007-WC

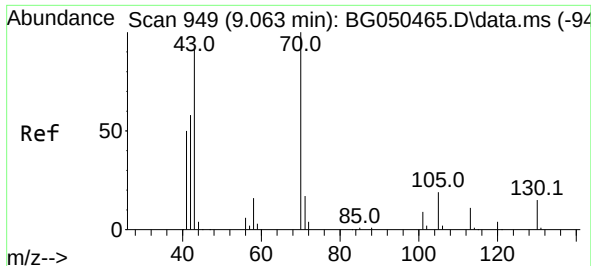
Tgt Ion: 99 Resp: 424794
Ion Ratio Lower Upper
99 100
42 21.9 20.5 30.7
71 40.8 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.401 min Scan# 666
Delta R.T. 0.007 min
Lab File: BG050576.D
Acq: 13 Oct 2021 18:52

Tgt Ion: 77 Resp: 969
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

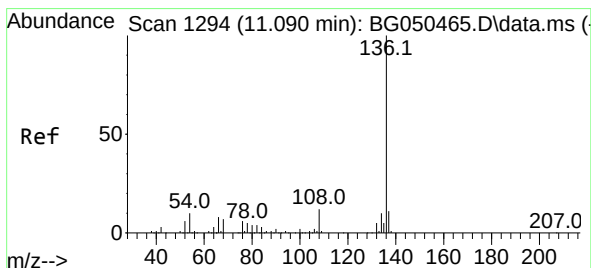
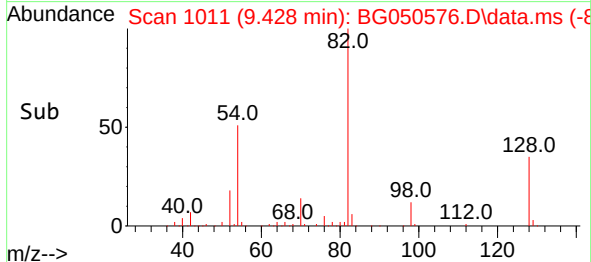
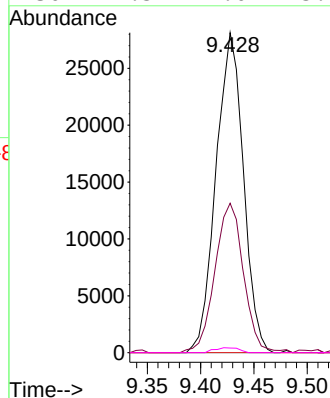
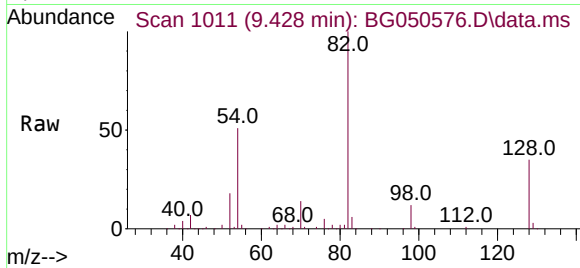




#19
n-Nitroso-di-n-propylamine
Concen: 16.762 ng
RT: 9.428 min Scan# 1011
Delta R.T. 0.365 min
Lab File: BG050576.D
Acq: 13 Oct 2021 18:52

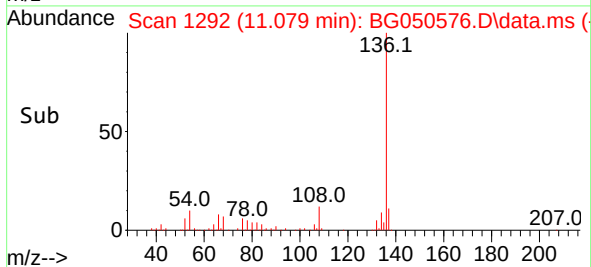
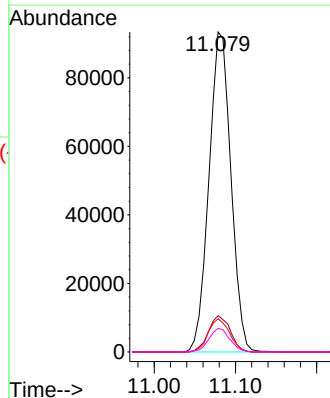
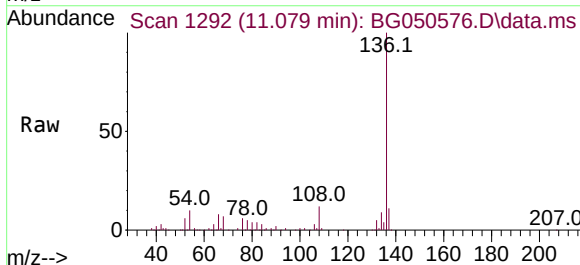
Instrument :
BNA_G
ClientSampleId :
20-20211007-WC

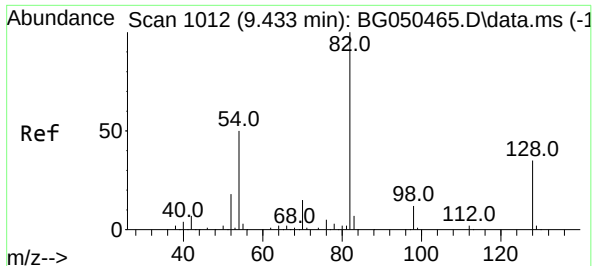
Tgt Ion:	70	Resp:	50227
Ion	Ratio	Lower	Upper
70	100		
42	46.7	54.5	81.7#
101	0.0	9.0	13.6#
130	1.5	17.0	25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.079 min Scan# 1292
Delta R.T. -0.011 min
Lab File: BG050576.D
Acq: 13 Oct 2021 18:52

Tgt Ion:	136	Resp:	175202
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.2	12.2
54	10.4	5.5	8.3#
68	7.3	2.3	3.5#





#23

Nitrobenzene-d5

Concen: 84.253 ng

RT: 9.428 min Scan# 1011

Delta R.T. -0.005 min

Lab File: BG050576.D

Acq: 13 Oct 2021 18:52

Tgt Ion: 82 Resp: 356590

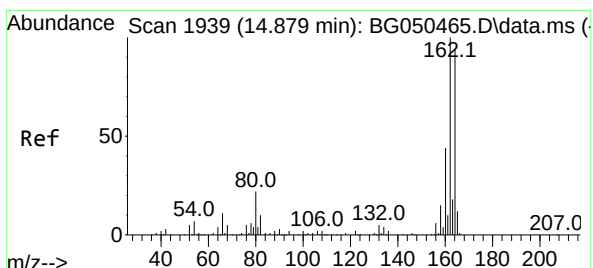
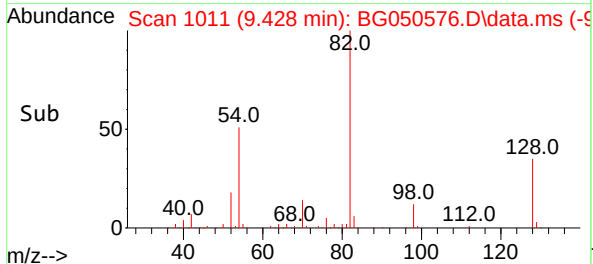
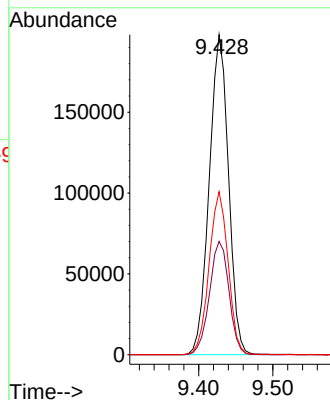
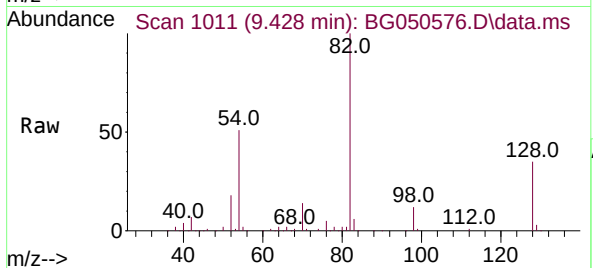
Ion	Ratio	Lower	Upper
82	100		
128	35.4	29.8	44.6
54	50.9	45.8	68.8

Instrument :

BNA_G

ClientSampleId :

20-20211007-WC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.874 min Scan# 1938

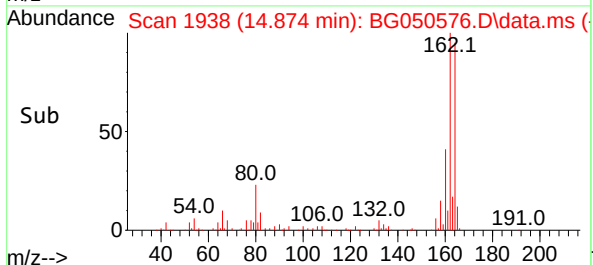
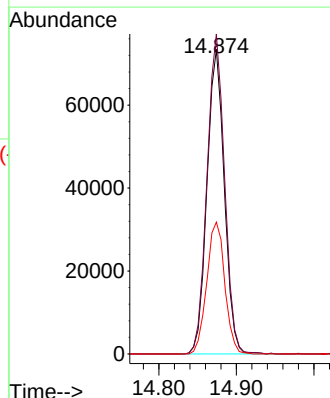
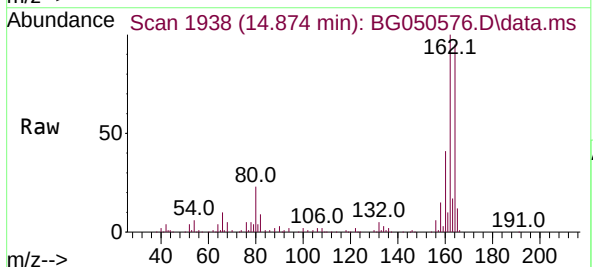
Delta R.T. -0.005 min

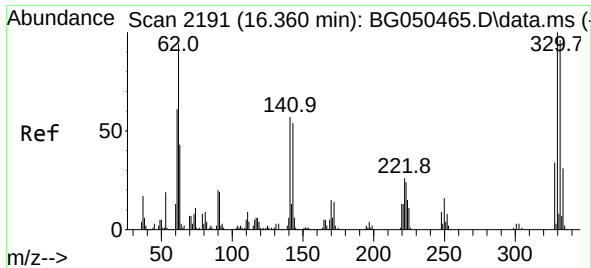
Lab File: BG050576.D

Acq: 13 Oct 2021 18:52

Tgt Ion: 164 Resp: 113848

Ion	Ratio	Lower	Upper
164	100		
162	105.1	81.4	122.0
160	43.3	34.9	52.3

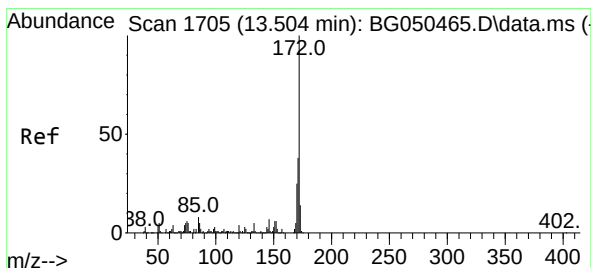
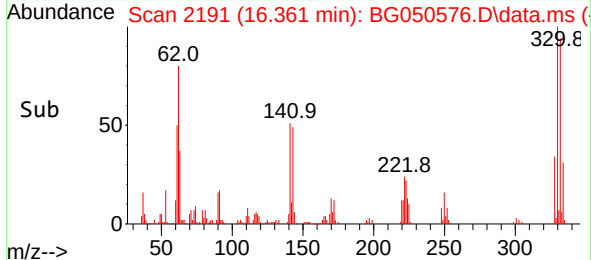
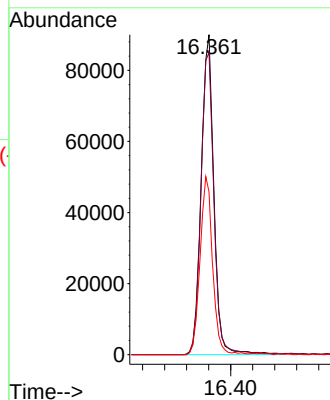
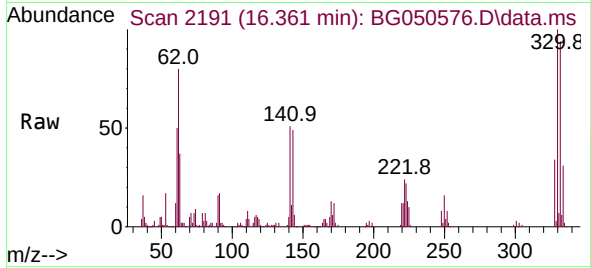




#42
2,4,6-Tribromophenol
Concen: 133.025 ng
RT: 16.361 min Scan# 2191
Delta R.T. 0.001 min
Lab File: BG050576.D
Acq: 13 Oct 2021 18:52

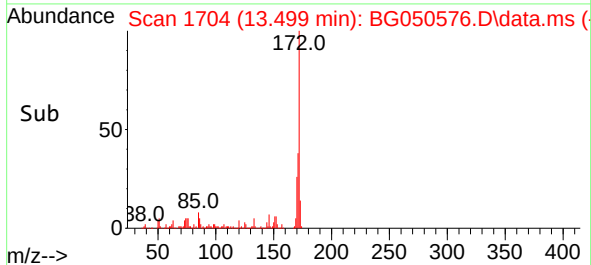
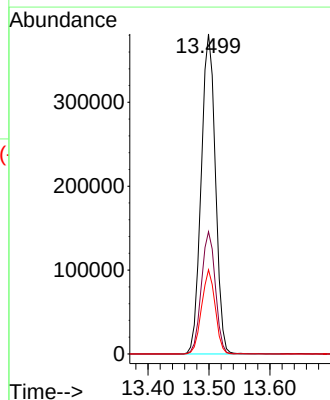
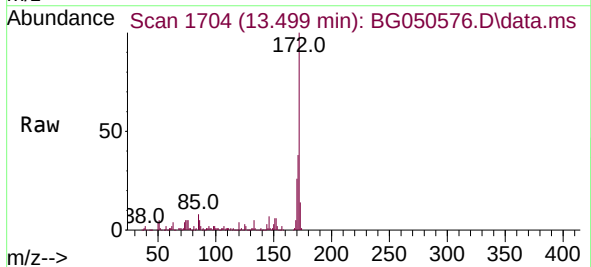
Instrument :
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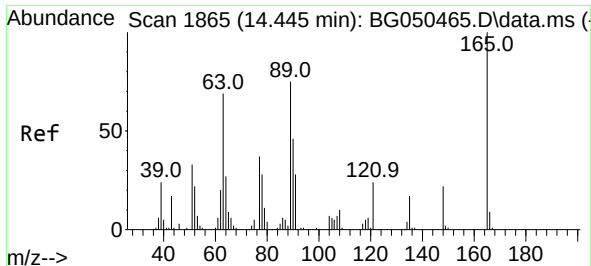
Tgt Ion:330 Resp: 144453
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 55.0 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 82.015 ng
RT: 13.499 min Scan# 1704
Delta R.T. -0.005 min
Lab File: BG050576.D
Acq: 13 Oct 2021 18:52

Tgt Ion:172 Resp: 620401
Ion Ratio Lower Upper
172 100
171 38.2 28.6 43.0
170 26.3 18.6 27.8

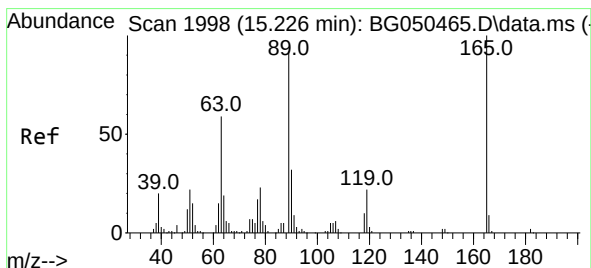
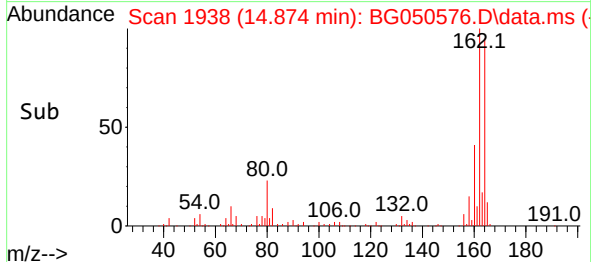
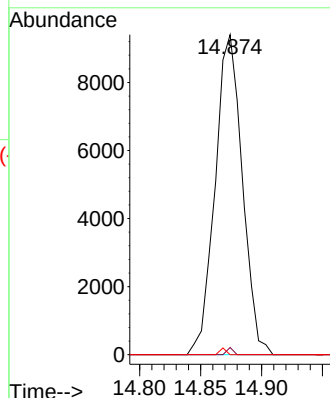
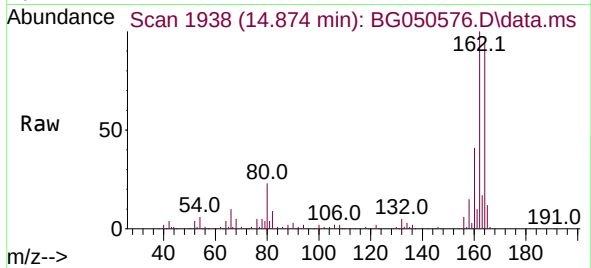




#51
2,6-Dinitrotoluene
Concen: 8.480 ng
RT: 14.874 min Scan# 1938
Delta R.T. 0.430 min
Lab File: BG050576.D
Acq: 13 Oct 2021 18:52

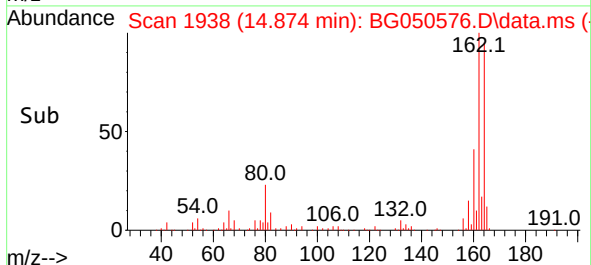
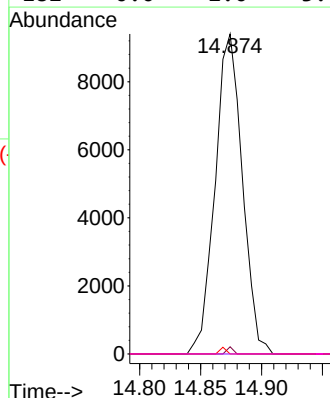
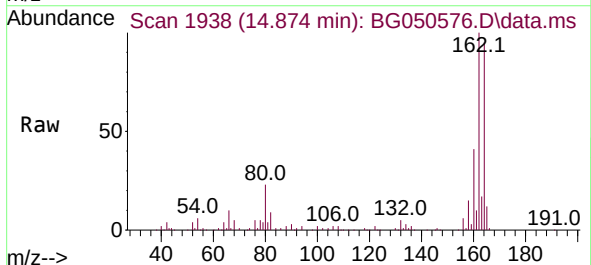
Instrument :
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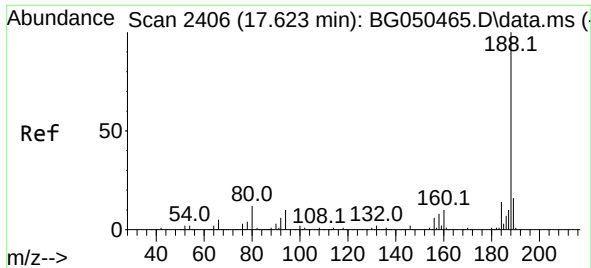
Tgt Ion:165 Resp: 14616
Ion Ratio Lower Upper
165 100
63 2.3 63.3 94.9#
89 0.0 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.016 ng
RT: 14.874 min Scan# 1938
Delta R.T. -0.352 min
Lab File: BG050576.D
Acq: 13 Oct 2021 18:52

Tgt Ion:165 Resp: 14616
Ion Ratio Lower Upper
165 100
63 2.3 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#

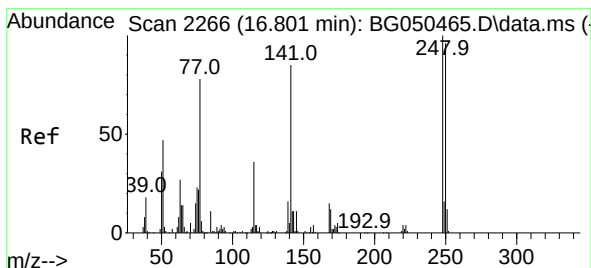
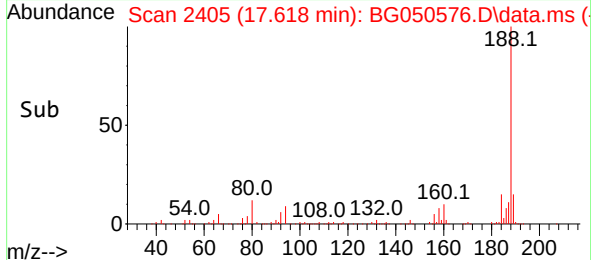
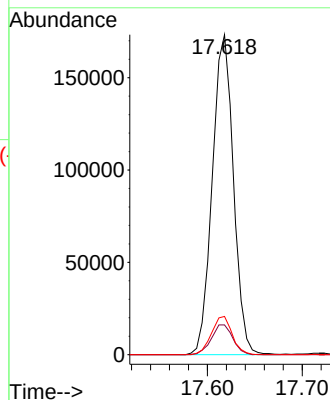
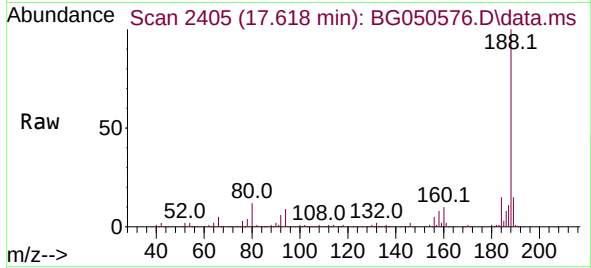




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.618 min Scan# 2405
Delta R.T. -0.005 min
Lab File: BG050576.D
Acq: 13 Oct 2021 18:52

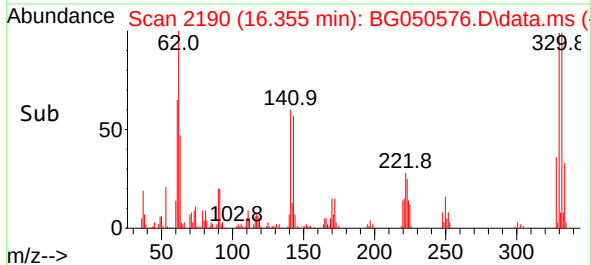
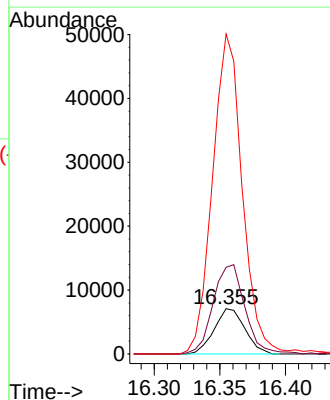
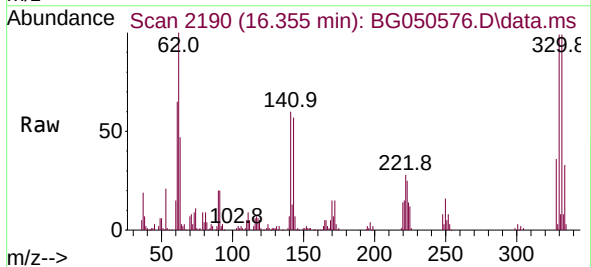
Instrument :
BNA_G
ClientSampleId :
20-20211007-WC

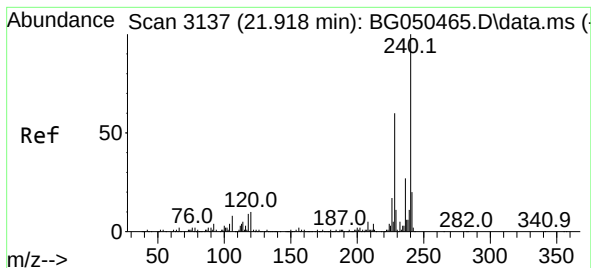
Tgt Ion:188 Resp: 268285
Ion Ratio Lower Upper
188 100
94 9.3 5.4 8.0#
80 11.9 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 4.265 ng
RT: 16.355 min Scan# 2190
Delta R.T. -0.446 min
Lab File: BG050576.D
Acq: 13 Oct 2021 18:52

Tgt Ion:248 Resp: 11530
Ion Ratio Lower Upper
248 100
250 191.2 76.1 114.1#
141 705.6 65.4 98.2#

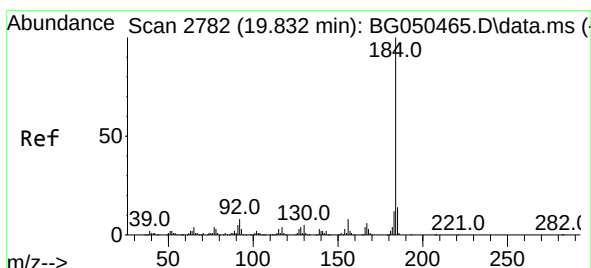
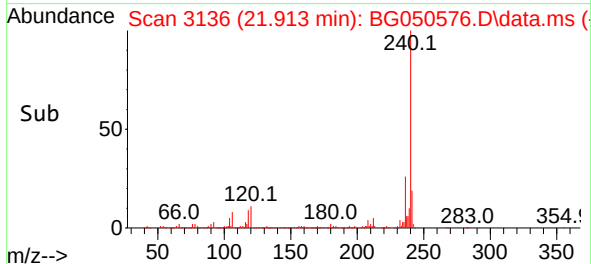
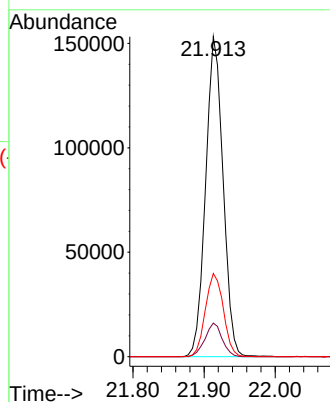
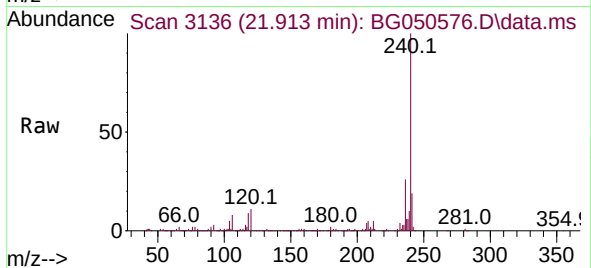




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.913 min Scan# 3136
Delta R.T. -0.005 min
Lab File: BG050576.D
Acq: 13 Oct 2021 18:52

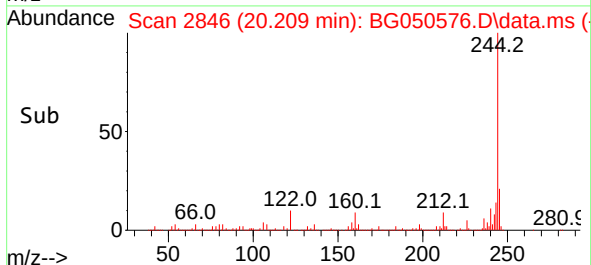
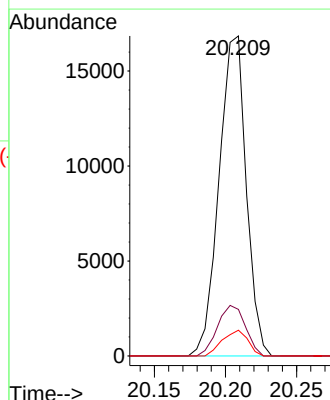
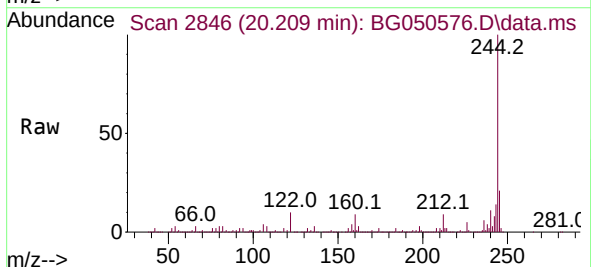
Instrument :
BNA_G
ClientSampleId :
20-20211007-WC

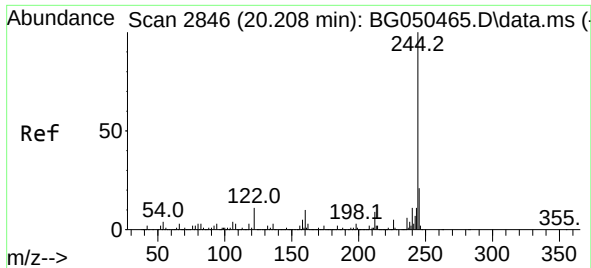
Tgt Ion:240 Resp: 261732
Ion Ratio Lower Upper
240 100
120 10.5 4.2 6.2#
236 26.0 21.8 32.6



#77
Benzidine
Concen: 2.642 ng
RT: 20.209 min Scan# 2846
Delta R.T. 0.377 min
Lab File: BG050576.D
Acq: 13 Oct 2021 18:52

Tgt Ion:184 Resp: 22415
Ion Ratio Lower Upper
184 100
185 14.6 10.7 16.1
183 8.1 9.4 14.0#

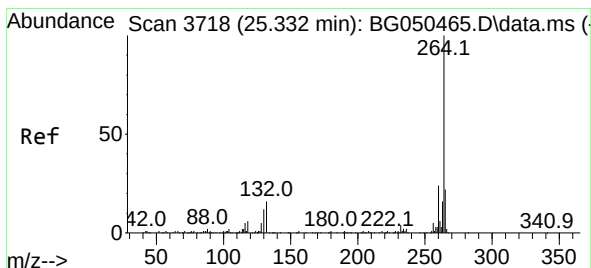
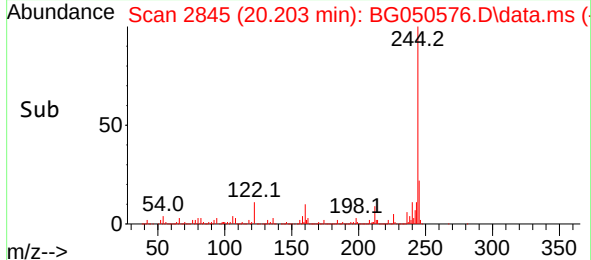
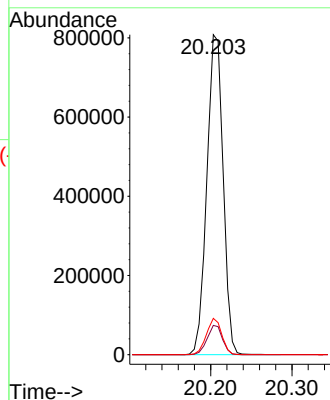
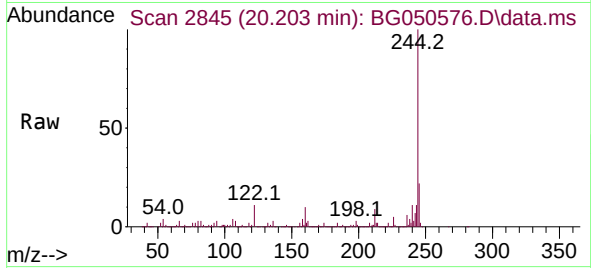




#79
 Terphenyl-d14
 Concen: 83.459 ng
 RT: 20.203 min Scan# 2845
 Delta R.T. -0.005 min
 Lab File: BG050576.D
 Acq: 13 Oct 2021 18:52

Instrument :
 BNA_G
 ClientSampleId :
 20-20211007-WC

Tgt Ion:244 Resp: 1120877
 Ion Ratio Lower Upper
 244 100
 212 9.1 6.9 10.3
 122 11.4 5.0 7.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.327 min Scan# 3717
 Delta R.T. -0.005 min
 Lab File: BG050576.D
 Acq: 13 Oct 2021 18:52

Tgt Ion:264 Resp: 253539
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.4 29.2
 265 23.8 16.9 25.3

