

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101121\
 Data File : BG050541.D
 Acq On : 11 Oct 2021 18:48
 Operator : CG/JU
 Sample : M4111-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GROWS-1

Quant Time: Oct 12 04:49:10 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)

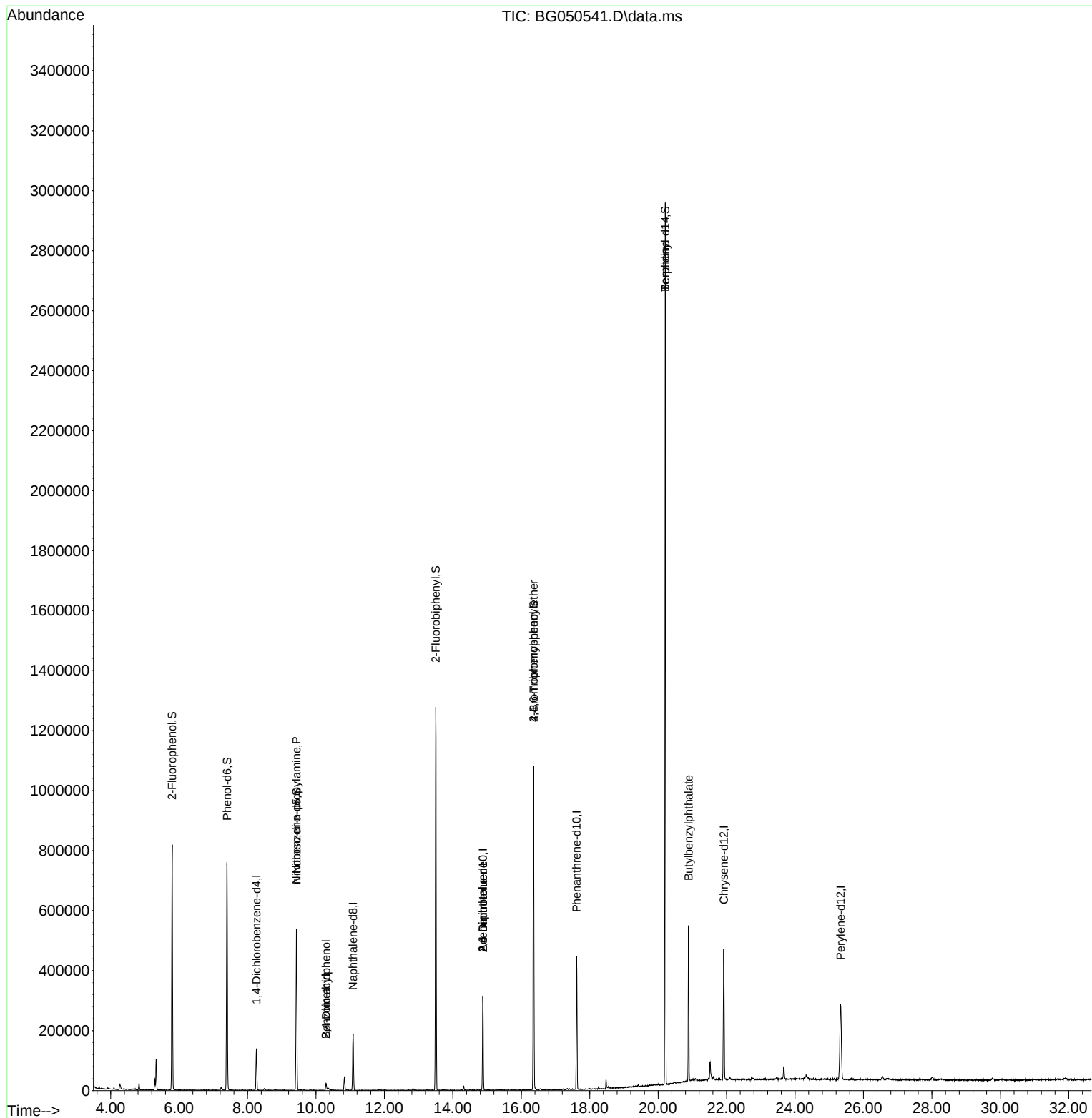
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.259	152	37385	20.000	ng	0.00
21) Naphthalene-d8	11.085	136	154364	20.000	ng	# 0.00
39) Acenaphthene-d10	14.875	164	108141	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	265687	20.000	ng	# 0.00
76) Chrysene-d12	21.919	240	266131	20.000	ng	# 0.00
86) Perylene-d12	25.333	264	261207	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	330216	132.098	ng	0.00
7) Phenol-d6	7.401	99	424596	117.317	ng	0.00
23) Nitrobenzene-d5	9.428	82	348166	93.368	ng	0.00
42) 2,4,6-Tribromophenol	16.361	330	157424	152.620	ng	0.00
45) 2-Fluorobiphenyl	13.500	172	633178	88.121	ng	0.00
79) Terphenyl-d14	20.209	244	1251038	91.611	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.395	77	1175	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.428	70	49518	18.771	ng	# 69
27) 2,4-Dimethylphenol	10.292	122	9070	3.856	ng	# 1
32) Benzoic acid	10.292	122	9070	5.196	ng	# 77
51) 2,6-Dinitrotoluene	14.875	165	13463	8.223	ng	# 13
57) 2,4-Dinitrotoluene	14.875	165	13463	5.834	ng	# 19
67) 4-Bromophenyl-phenylether	16.361	248	13418	5.012	ng	# 1
77) Benzidine	20.209	184	26173	3.034	ng	# 92
80) Butylbenzylphthalate	20.891	149	153795	19.256	ng	98

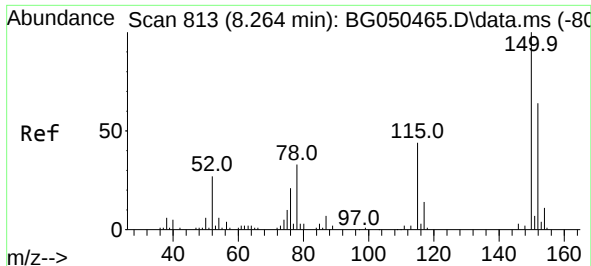
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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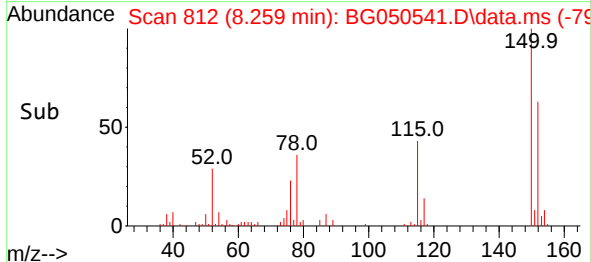
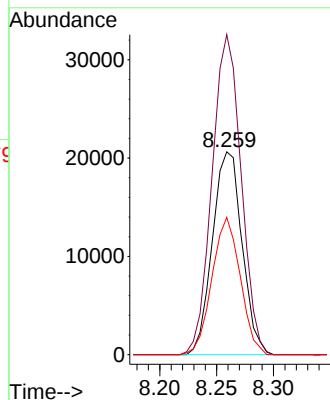
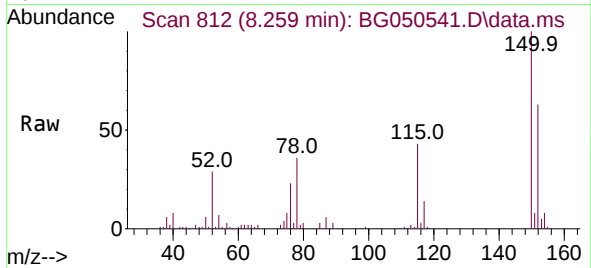




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.259 min Scan# 812
Delta R.T. -0.005 min
Lab File: BG050541.D
Acq: 11 Oct 2021 18:48

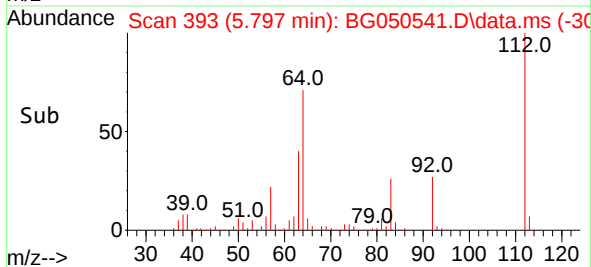
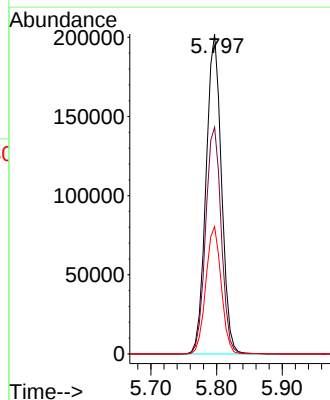
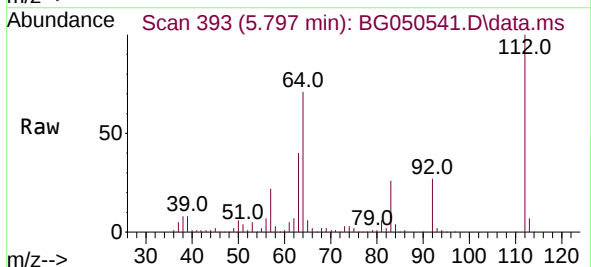
Instrument :
BNA_G
ClientSampleId :
GROWS-1

Tgt Ion:152 Resp: 37385
Ion Ratio Lower Upper
152 100
150 157.8 119.4 179.0
115 67.7 60.2 90.4



#5
2-Fluorophenol
Concen: 132.098 ng
RT: 5.797 min Scan# 393
Delta R.T. 0.007 min
Lab File: BG050541.D
Acq: 11 Oct 2021 18:48

Tgt Ion:112 Resp: 330216
Ion Ratio Lower Upper
112 100
64 70.9 46.7 70.1#
63 39.8 35.3 52.9

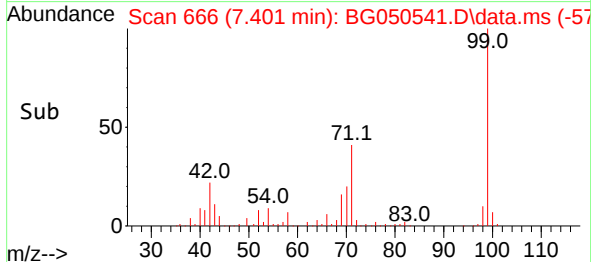
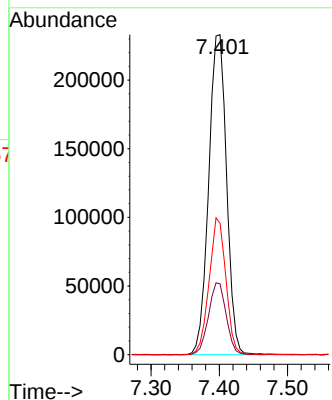
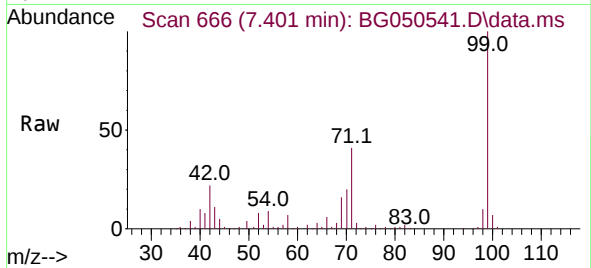




#7
Phenol-d6
Concen: 117.317 ng
RT: 7.401 min Scan# 666
Delta R.T. 0.007 min
Lab File: BG050541.D
Acq: 11 Oct 2021 18:48

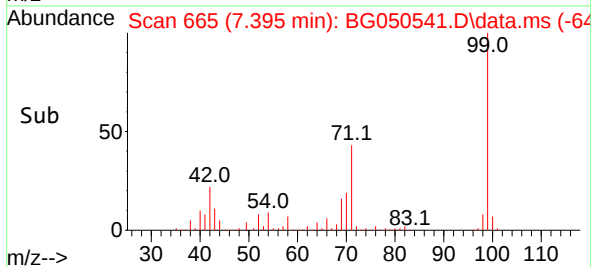
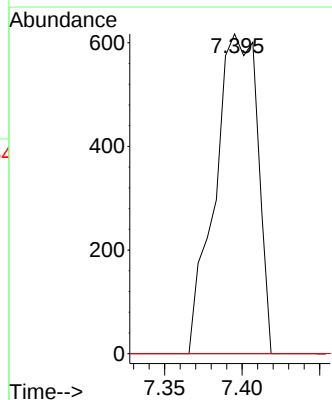
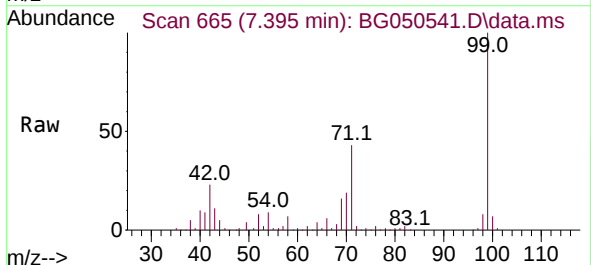
Instrument :
BNA_G
ClientSampleId :
GROWS-1

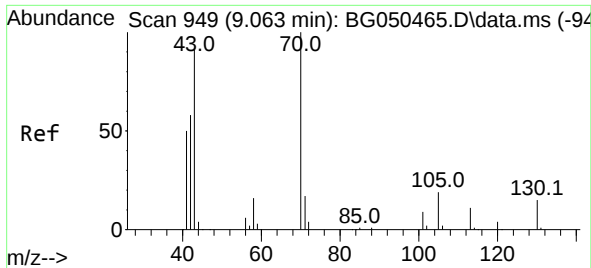
Tgt Ion: 99 Resp: 424596
Ion Ratio Lower Upper
99 100
42 22.1 20.5 30.7
71 41.1 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.395 min Scan# 665
Delta R.T. 0.001 min
Lab File: BG050541.D
Acq: 11 Oct 2021 18:48

Tgt Ion: 77 Resp: 1175
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

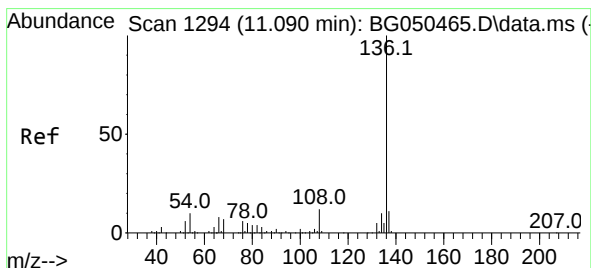
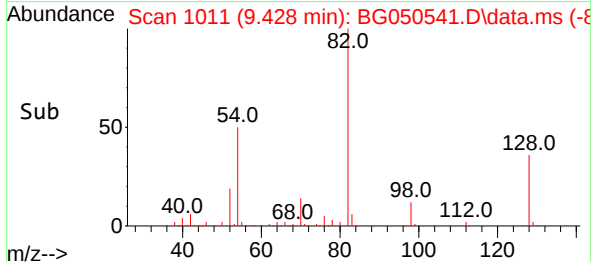
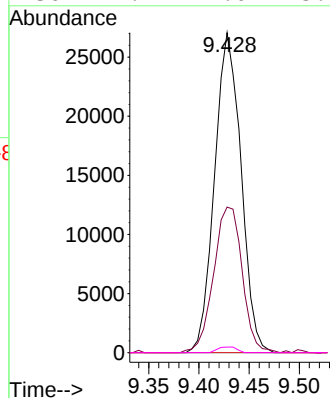
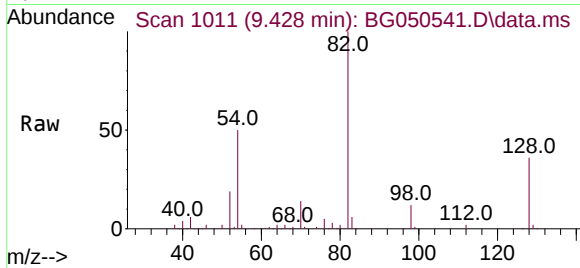




#19
n-Nitroso-di-n-propylamine
Concen: 18.771 ng
RT: 9.428 min Scan# 1011
Delta R.T. 0.365 min
Lab File: BG050541.D
Acq: 11 Oct 2021 18:48

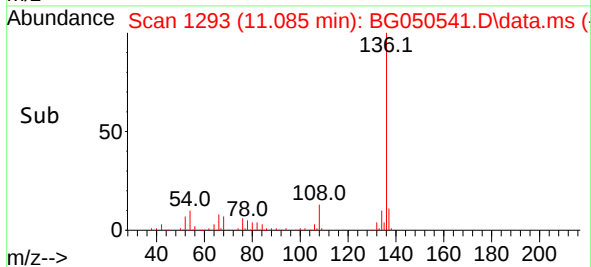
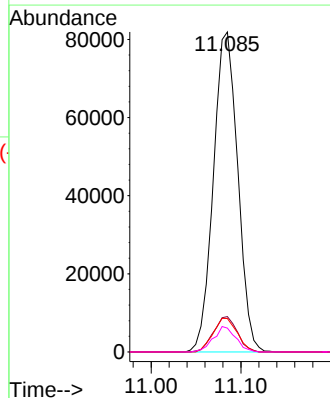
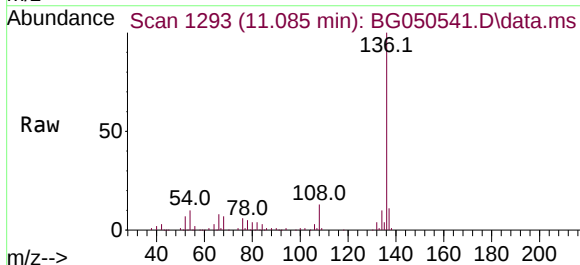
Instrument :
BNA_G
ClientSampleId :
GROWS-1

Tgt Ion:	70	Resp:	49518
Ion	Ratio	Lower	Upper
70	100		
42	45.5	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: 11.085 min Scan# 1293
Delta R.T. -0.005 min
Lab File: BG050541.D
Acq: 11 Oct 2021 18:48

Tgt Ion:	136	Resp:	154364
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.2	12.2
54	10.5	5.5	8.3#
68	7.4	2.3	3.5#





#23

Nitrobenzene-d5

Concen: 93.368 ng

RT: 9.428 min Scan# 1011

Delta R.T. -0.005 min

Lab File: BG050541.D

Acq: 11 Oct 2021 18:48

Tgt Ion: 82 Resp: 348166

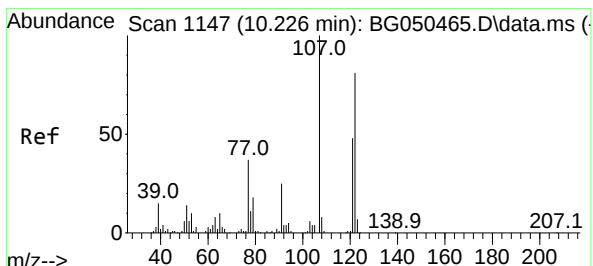
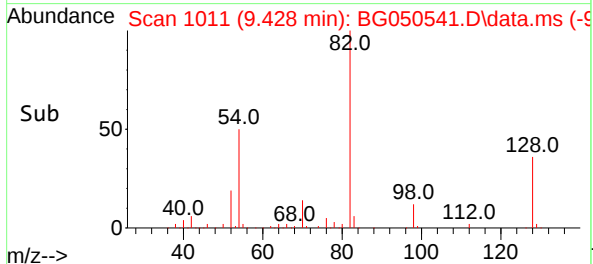
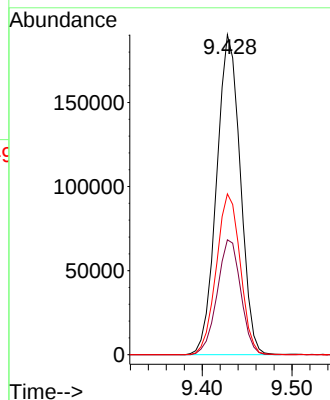
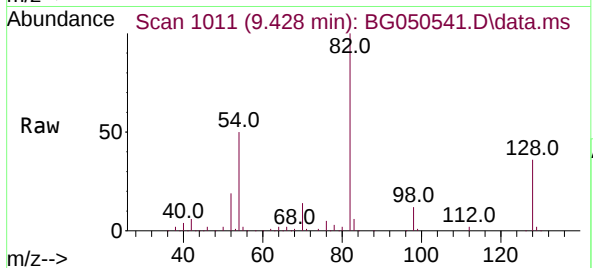
Ion	Ratio	Lower	Upper
82	100		
128	35.9	29.8	44.6
54	50.3	45.8	68.8

Instrument :

BNA_G

ClientSampleId :

GROWS-1



#27

2,4-Dimethylphenol

Concen: 3.856 ng

RT: 10.292 min Scan# 1158

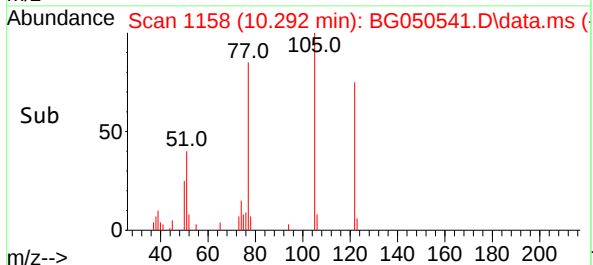
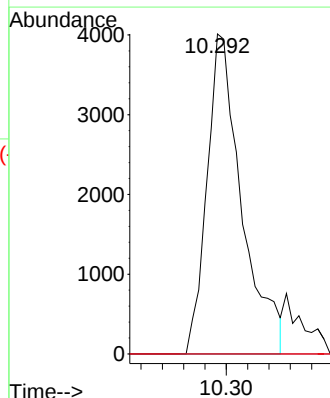
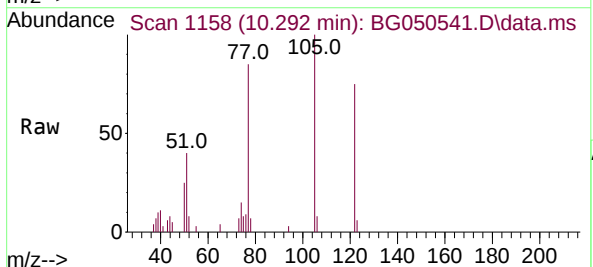
Delta R.T. 0.066 min

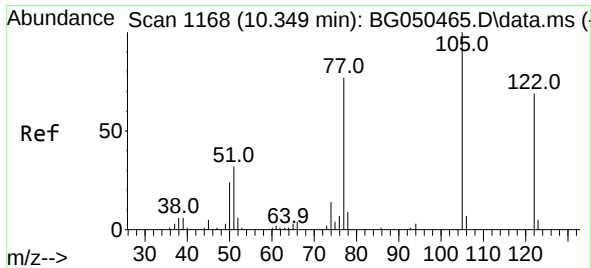
Lab File: BG050541.D

Acq: 11 Oct 2021 18:48

Tgt Ion:122 Resp: 9070

Ion	Ratio	Lower	Upper
122	100		
107	0.0	110.1	165.1#
121	0.0	49.0	73.6#

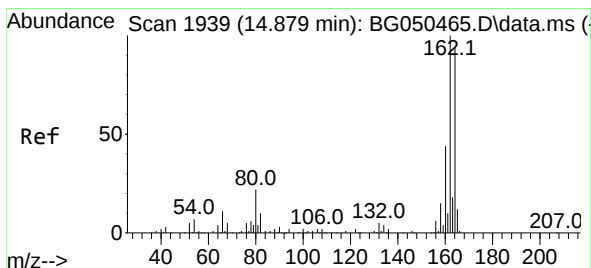
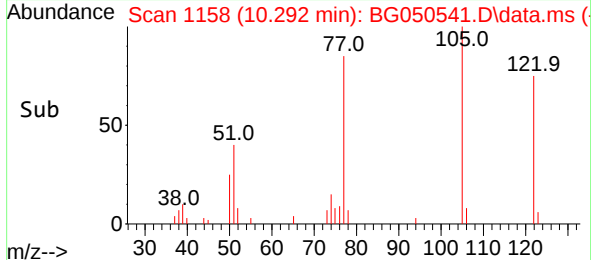
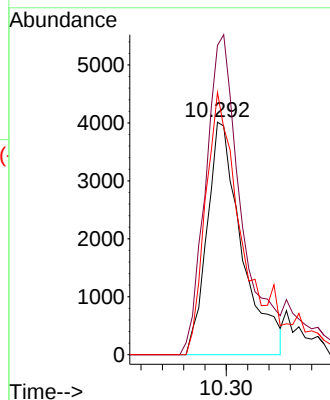
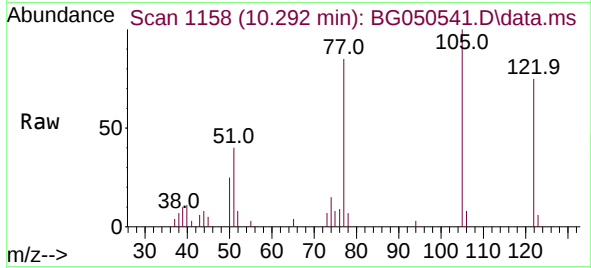




#32
Benzoic acid
Concen: 5.196 ng
RT: 10.292 min Scan# 1158
Delta R.T. -0.058 min
Lab File: BG050541.D
Acq: 11 Oct 2021 18:48

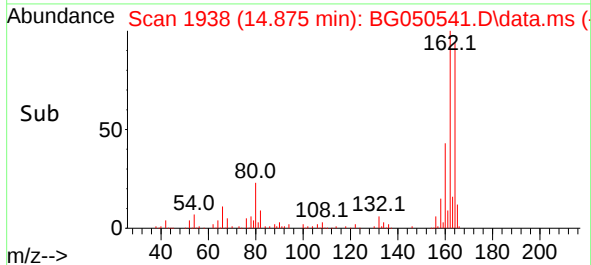
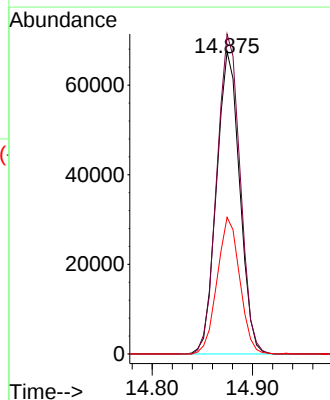
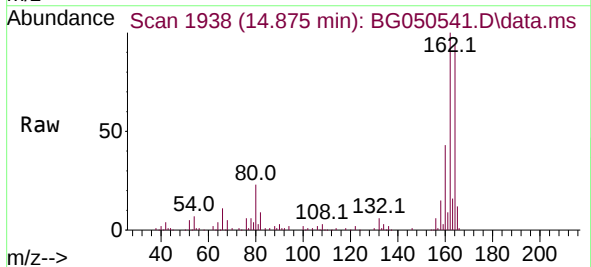
Instrument :
BNA_G
ClientSampleId :
GROWS-1

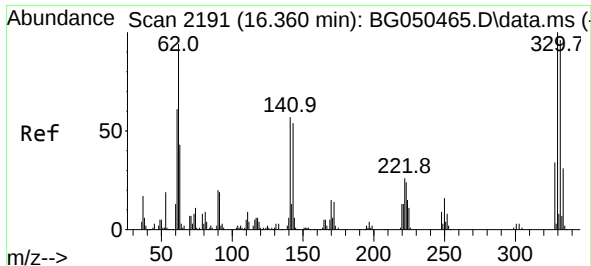
Tgt Ion:	122	Resp:	9070
Ion	Ratio	Lower	Upper
122	100		
105	133.0	92.3	132.3#
77	112.8	66.5	106.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.875 min Scan# 1938
Delta R.T. -0.005 min
Lab File: BG050541.D
Acq: 11 Oct 2021 18:48

Tgt Ion:	164	Resp:	108141
Ion	Ratio	Lower	Upper
164	100		
162	105.8	81.4	122.0
160	45.2	34.9	52.3

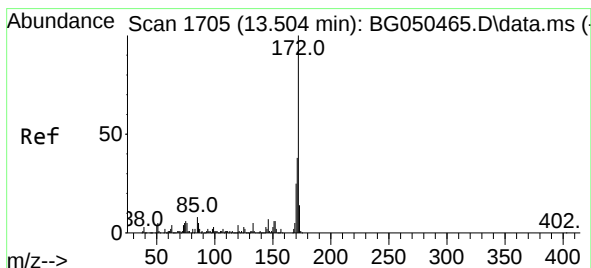
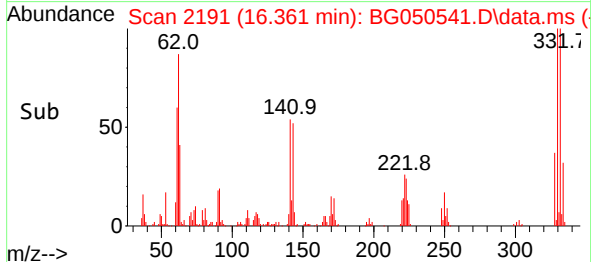
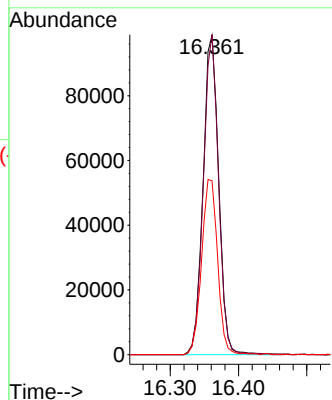
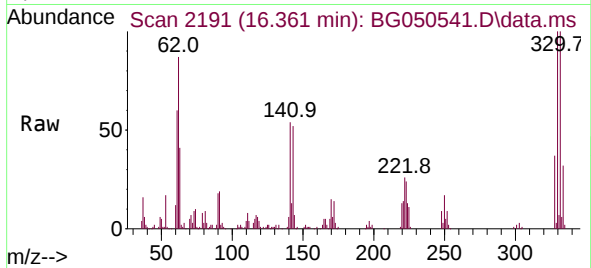




#42
2,4,6-Tribromophenol
Concen: 152.620 ng
RT: 16.361 min Scan# 2191
Delta R.T. 0.001 min
Lab File: BG050541.D
Acq: 11 Oct 2021 18:48

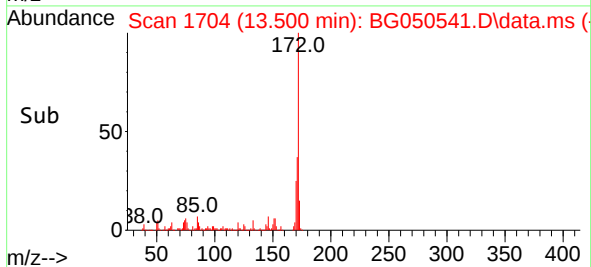
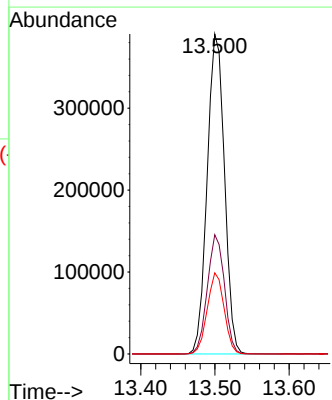
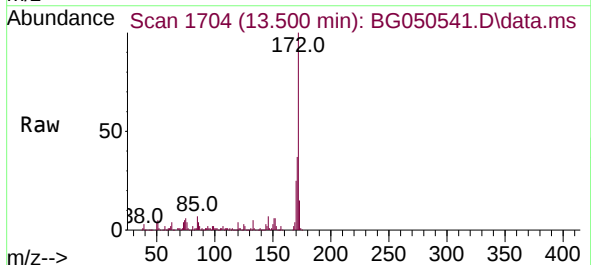
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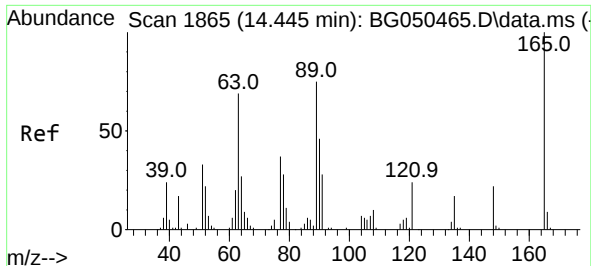
Tgt Ion:330 Resp: 157424
Ion Ratio Lower Upper
330 100
332 97.3 77.3 115.9
141 56.2 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 88.121 ng
RT: 13.500 min Scan# 1704
Delta R.T. -0.005 min
Lab File: BG050541.D
Acq: 11 Oct 2021 18:48

Tgt Ion:172 Resp: 633178
Ion Ratio Lower Upper
172 100
171 37.3 28.6 43.0
170 25.4 18.6 27.8

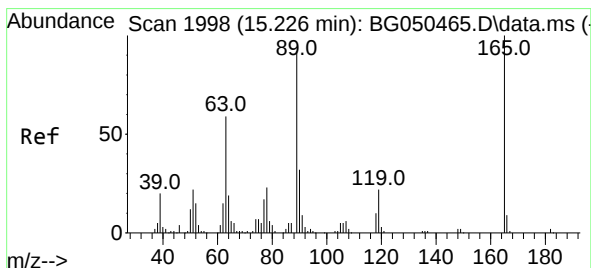
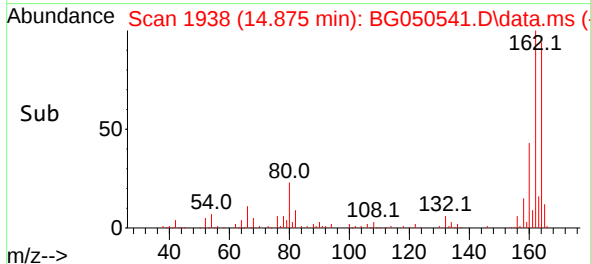
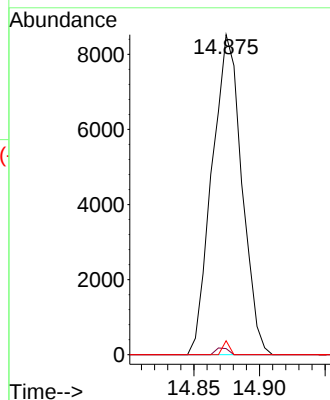
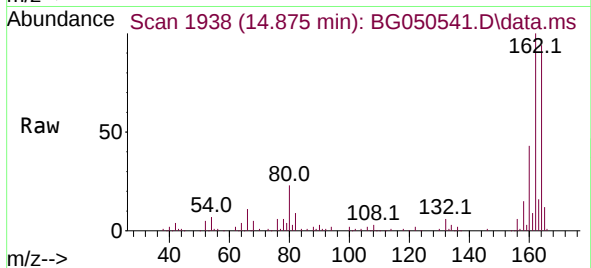




#51
2,6-Dinitrotoluene
Concen: 8.223 ng
RT: 14.875 min Scan# 1938
Delta R.T. 0.430 min
Lab File: BG050541.D
Acq: 11 Oct 2021 18:48

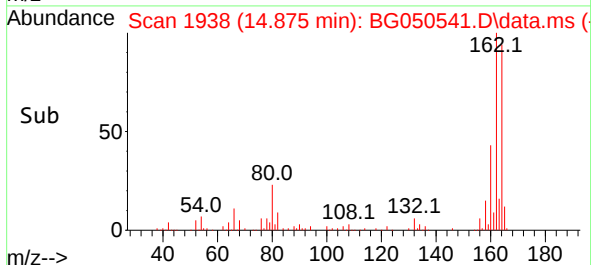
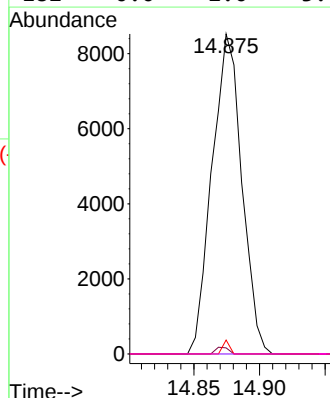
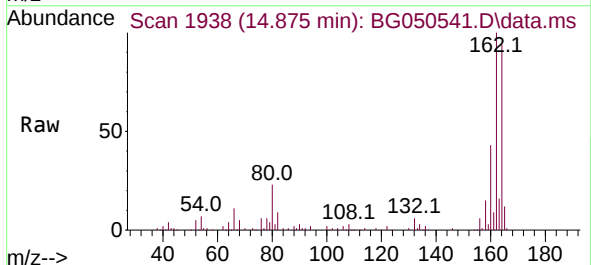
Instrument :
BNA_G
ClientSampleId :
GROWS-1

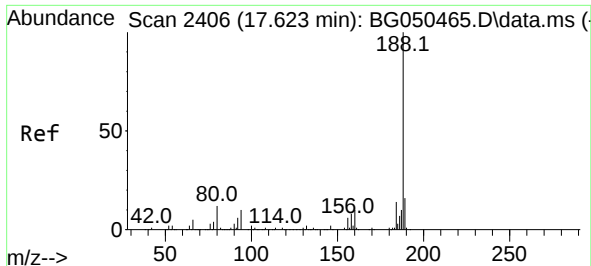
Tgt Ion:165 Resp: 13463
Ion Ratio Lower Upper
165 100
63 1.9 63.3 94.9#
89 4.4 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 5.834 ng
RT: 14.875 min Scan# 1938
Delta R.T. -0.351 min
Lab File: BG050541.D
Acq: 11 Oct 2021 18:48

Tgt Ion:165 Resp: 13463
Ion Ratio Lower Upper
165 100
63 1.9 48.0 72.0#
89 4.4 65.4 98.0#
182 0.0 2.0 3.0#

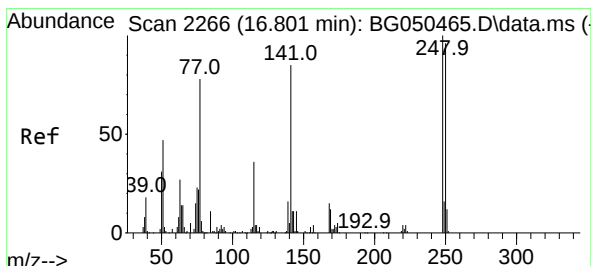
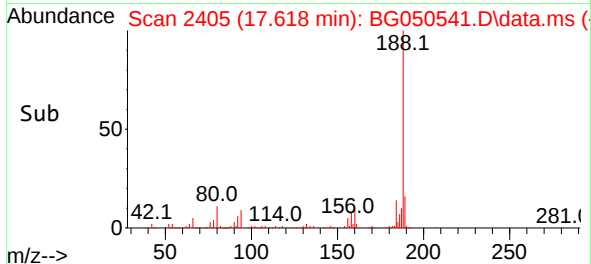
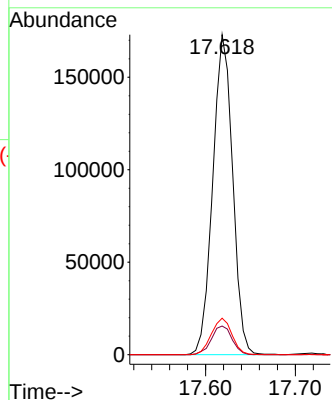
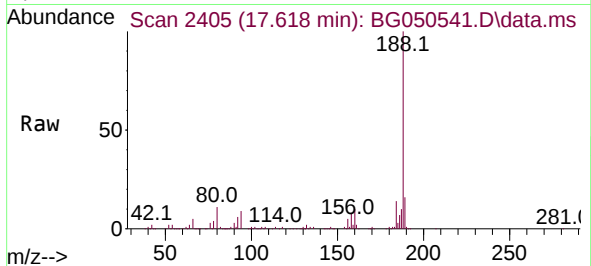




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.618 min Scan# 2405
Delta R.T. -0.005 min
Lab File: BG050541.D
Acq: 11 Oct 2021 18:48

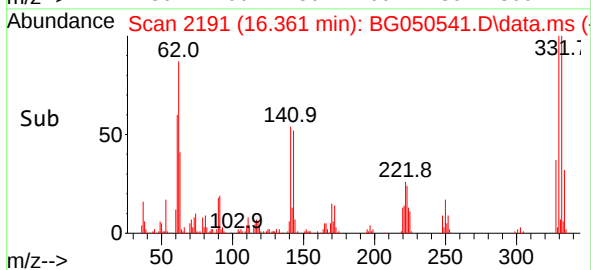
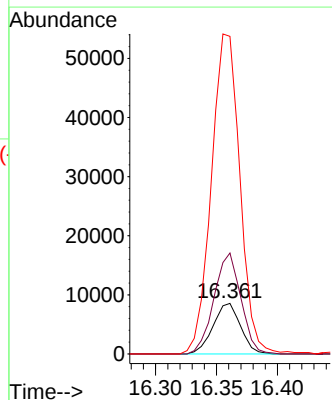
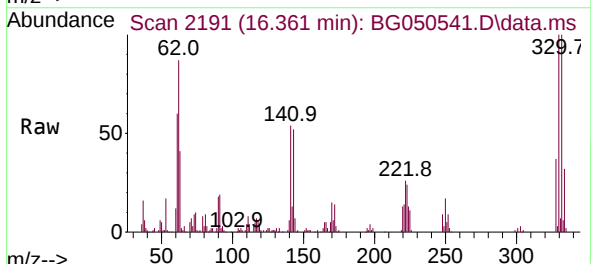
Instrument :
BNA_G
ClientSampleId :
GROWS-1

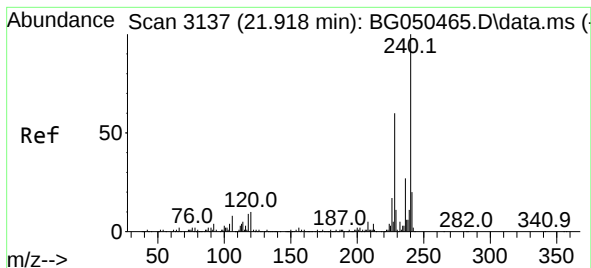
Tgt Ion:188 Resp: 265687
Ion Ratio Lower Upper
188 100
94 9.0 5.4 8.0#
80 11.4 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 5.012 ng
RT: 16.361 min Scan# 2191
Delta R.T. -0.440 min
Lab File: BG050541.D
Acq: 11 Oct 2021 18:48

Tgt Ion:248 Resp: 13418
Ion Ratio Lower Upper
248 100
250 199.5 76.1 114.1#
141 627.4 65.4 98.2#

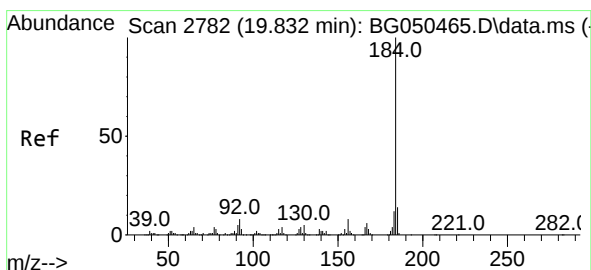
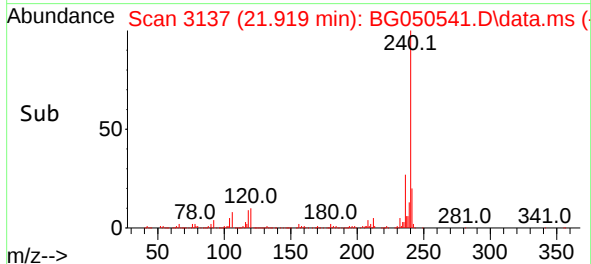
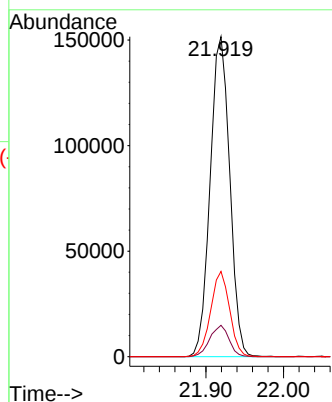
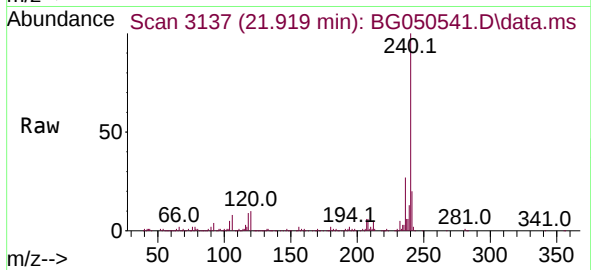




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.919 min Scan# 3137
Delta R.T. 0.001 min
Lab File: BG050541.D
Acq: 11 Oct 2021 18:48

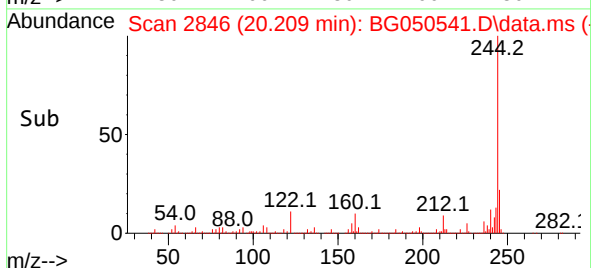
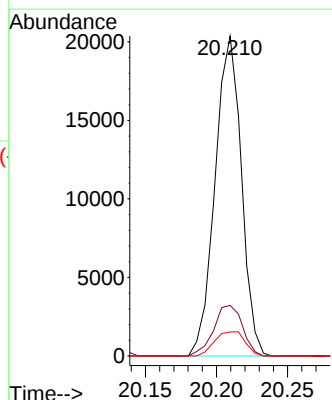
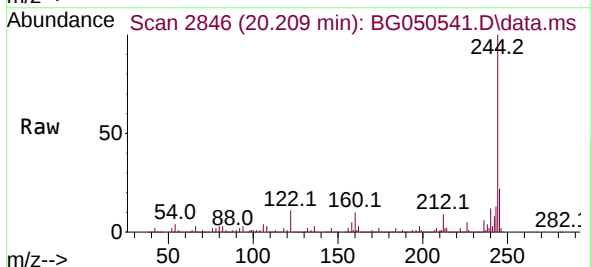
Instrument :
BNA_G
ClientSampleId :
GROWS-1

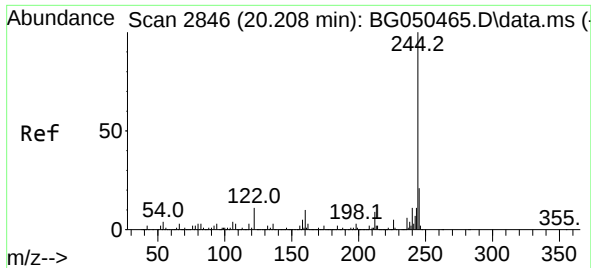
Tgt Ion:240 Resp: 266131
Ion Ratio Lower Upper
240 100
120 9.8 4.2 6.2#
236 26.7 21.8 32.6



#77
Benzidine
Concen: 3.034 ng
RT: 20.209 min Scan# 2846
Delta R.T. 0.377 min
Lab File: BG050541.D
Acq: 11 Oct 2021 18:48

Tgt Ion:184 Resp: 26173
Ion Ratio Lower Upper
184 100
185 15.8 10.7 16.1
183 7.5 9.4 14.0#

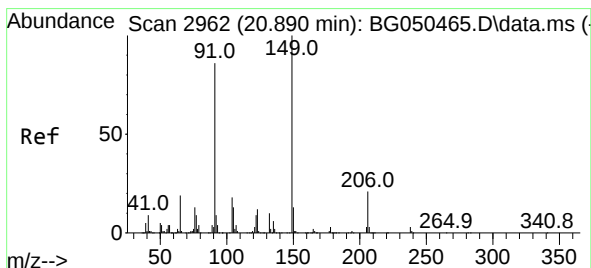
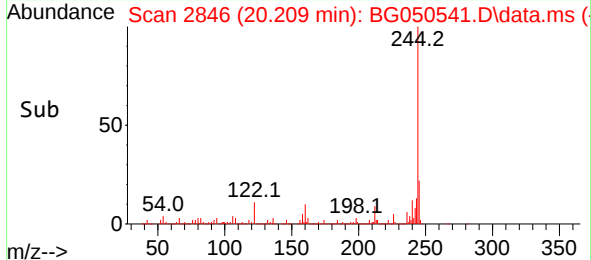
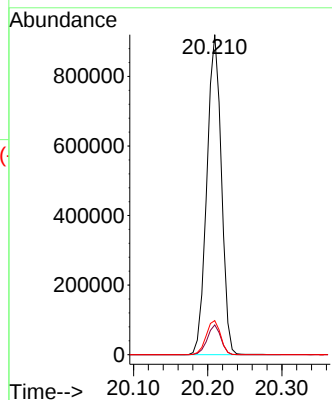
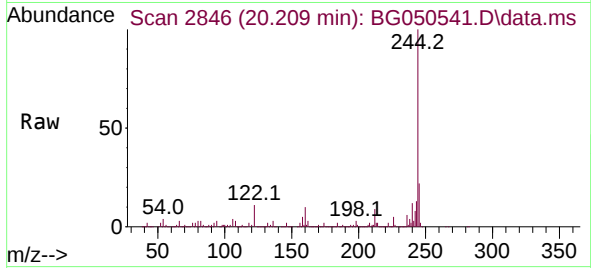




#79
 Terphenyl-d14
 Concen: 91.611 ng
 RT: 20.209 min Scan# 2846
 Delta R.T. 0.001 min
 Lab File: BG050541.D
 Acq: 11 Oct 2021 18:48

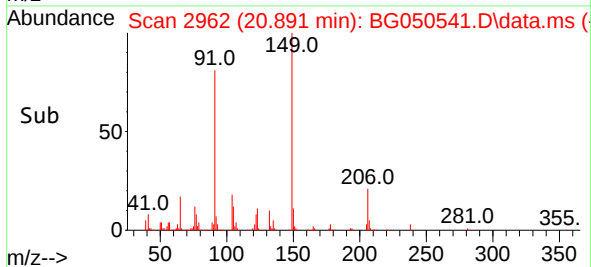
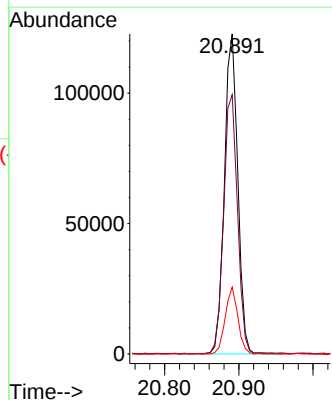
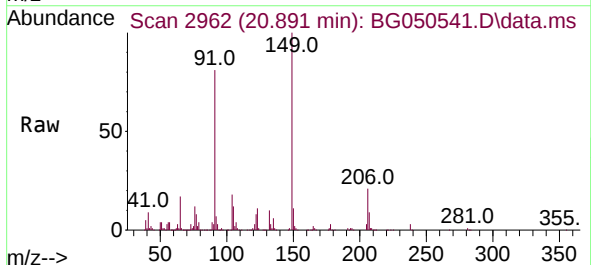
Instrument :
 BNA_G
 ClientSampleId :
 GROWS-1

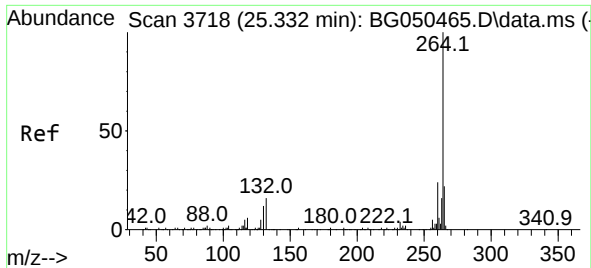
Tgt Ion:244 Resp: 1251038
 Ion Ratio Lower Upper
 244 100
 212 9.3 6.9 10.3
 122 10.6 5.0 7.6#



#80
 Butylbenzylphthalate
 Concen: 19.256 ng
 RT: 20.891 min Scan# 2962
 Delta R.T. 0.001 min
 Lab File: BG050541.D
 Acq: 11 Oct 2021 18:48

Tgt Ion:149 Resp: 153795
 Ion Ratio Lower Upper
 149 100
 91 81.0 63.4 95.2
 206 20.9 18.4 27.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.333 min Scan# 3718
 Delta R.T. 0.001 min
 Lab File: BG050541.D
 Acq: 11 Oct 2021 18:48

Instrument :
 BNA_G
 ClientSampleId :
 GROWS-1

Tgt Ion:264 Resp: 261207
 Ion Ratio Lower Upper
 264 100
 260 25.5 19.4 29.2
 265 22.9 16.9 25.3

