

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102521\
 Data File : BG050721.D
 Acq On : 25 Oct 2021 22:12
 Operator : CG/JU
 Sample : M4309-01RE 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 L-1RE

Quant Time: Oct 26 02:16:39 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)

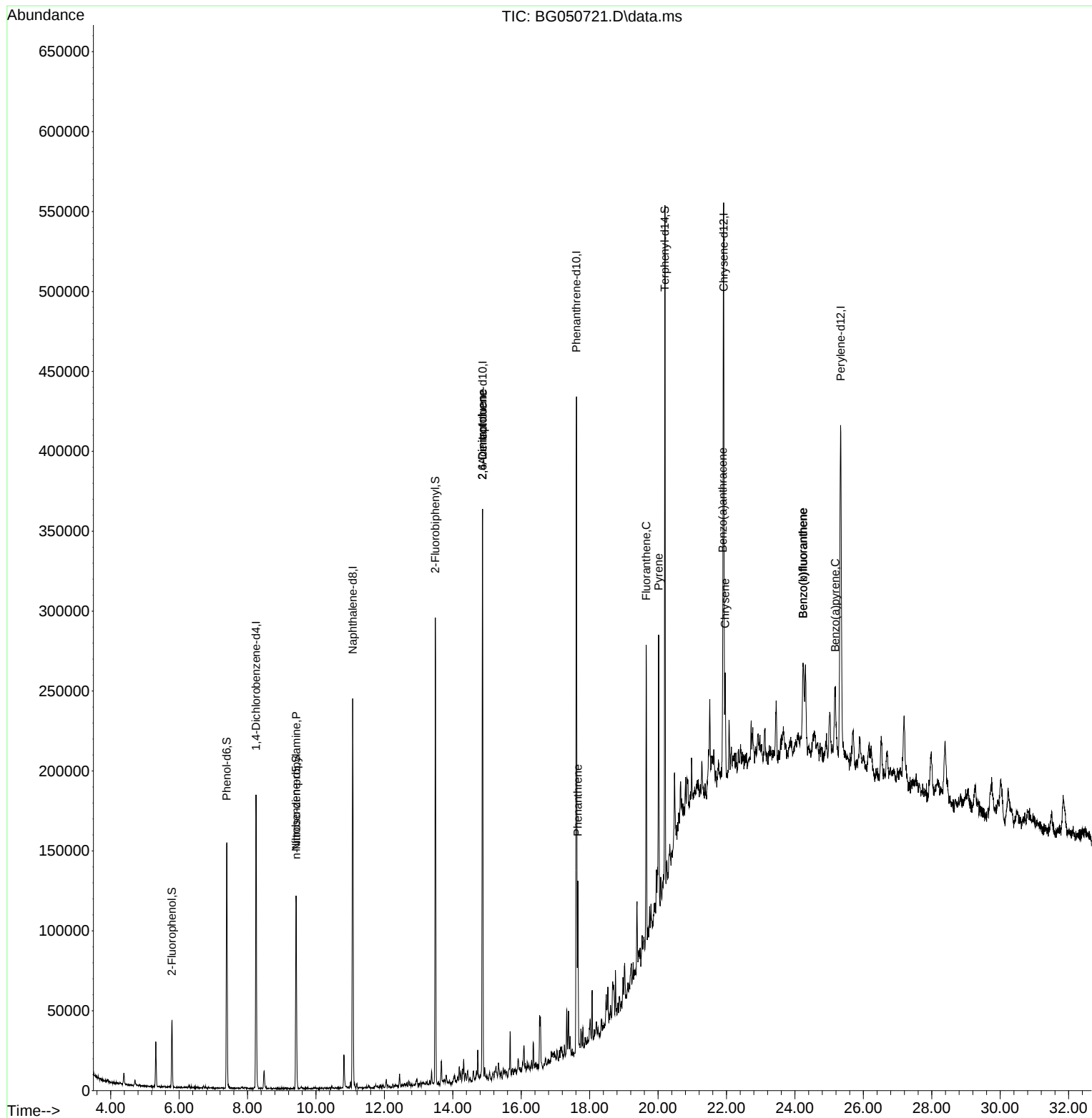
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.250	152	49490	20.000	ng	0.00
21) Naphthalene-d8	11.076	136	203661	20.000	ng	# 0.00
39) Acenaphthene-d10	14.871	164	124838	20.000	ng	0.00
64) Phenanthrene-d10	17.615	188	245926	20.000	ng	# 0.00
76) Chrysene-d12	21.916	240	207382	20.000	ng	# 0.00
86) Perylene-d12	25.336	264	206307	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.794	112	18389	5.557	ng	0.00
7) Phenol-d6	7.392	99	92274	19.259	ng	0.00
23) Nitrobenzene-d5	9.419	82	77602	15.773	ng	0.00
42) 2,4,6-Tribromophenol	16.358	330	2003	1.682	ng	0.00
45) 2-Fluorobiphenyl	13.491	172	141334	17.039	ng	-0.01
79) Terphenyl-d14	20.200	244	185351	17.418	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.392	77	263	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.425	70	10729	3.072	ng	# 74
51) 2,6-Dinitrotoluene	14.865	165	16637	8.803	ng	# 12
57) 2,4-Dinitrotoluene	14.865	165	16637	6.245	ng	# 17
71) Phenanthrene	17.656	178	58090	4.482	ng	98
75) Fluoranthene	19.654	202	117038	7.347	ng	94
78) Pyrene	20.018	202	101318	6.886	ng	98
81) Benzo(a)anthracene	21.893	228	43604	3.178	ng	# 93
83) Chrysene	21.963	228	49650	3.847	ng	# 89
88) Benzo(b)fluoranthene	24.237	252	67197	5.318	ng	# 82
89) Benzo(k)fluoranthene	24.237	252	67197	5.406	ng	# 87
90) Benzo(a)pyrene	25.177	252	40129	3.736	ng	# 81

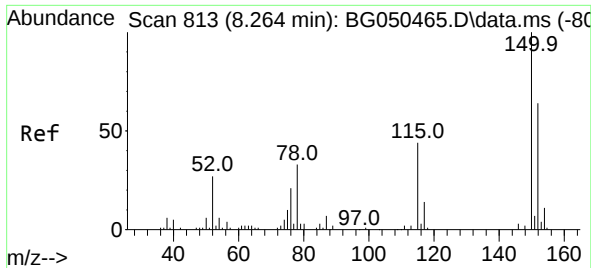
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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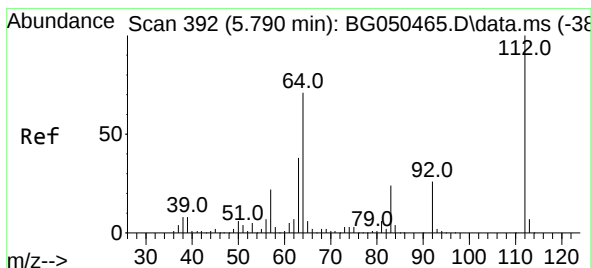
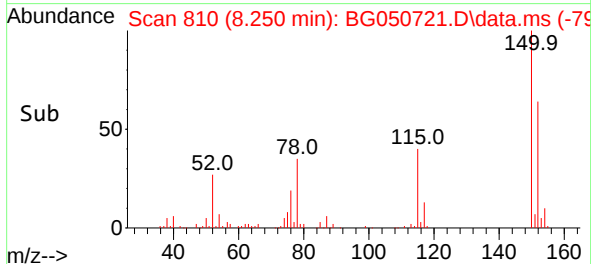
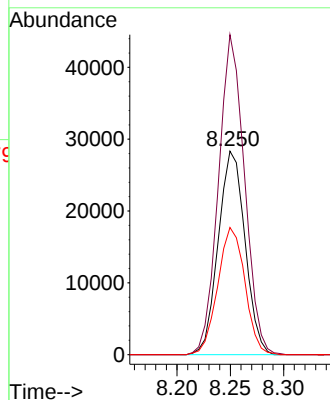
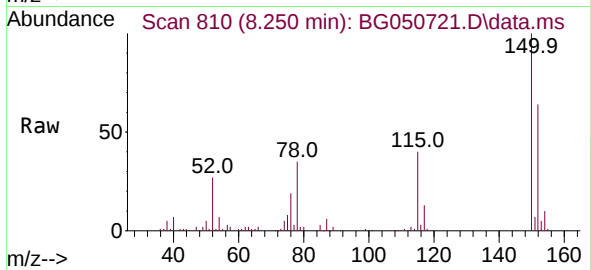




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.250 min Scan# 810
Delta R.T. -0.008 min
Lab File: BG050721.D
Acq: 25 Oct 2021 22:12

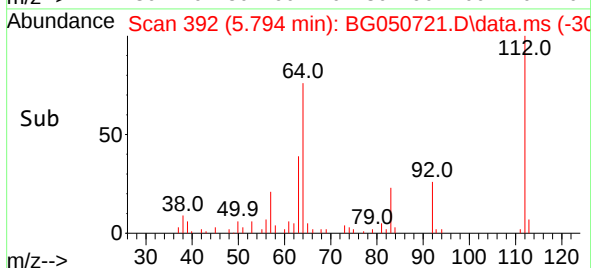
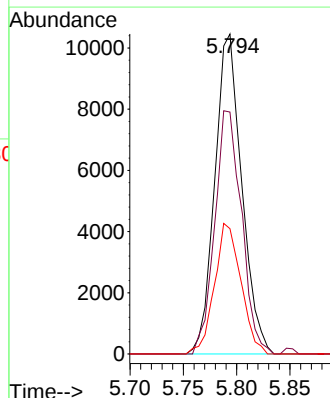
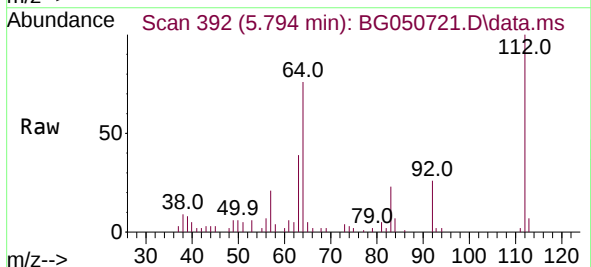
Instrument :
BNA_G
ClientSampleId :
L-1RE

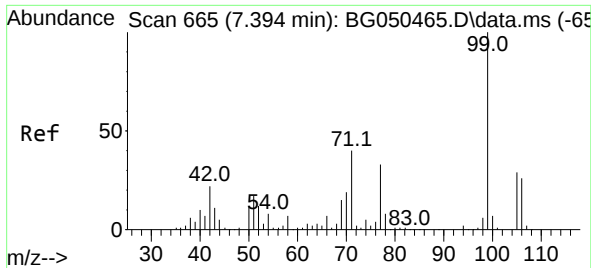
Tgt Ion:152 Resp: 49490
Ion Ratio Lower Upper
152 100
150 157.2 119.4 179.0
115 62.5 60.2 90.4



#5
2-Fluorophenol
Concen: 5.557 ng
RT: 5.794 min Scan# 392
Delta R.T. 0.003 min
Lab File: BG050721.D
Acq: 25 Oct 2021 22:12

Tgt Ion:112 Resp: 18389
Ion Ratio Lower Upper
112 100
64 75.6 46.7 70.1#
63 39.2 35.3 52.9

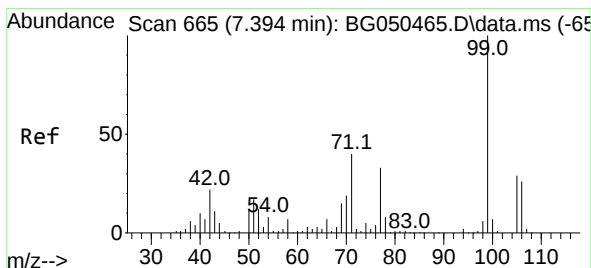
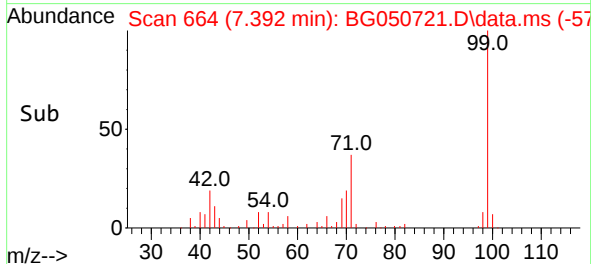
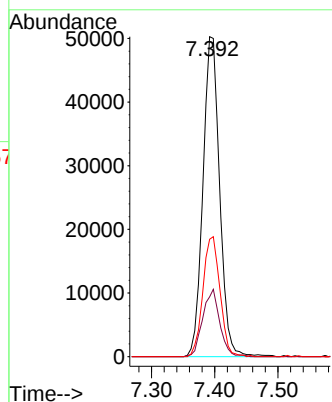
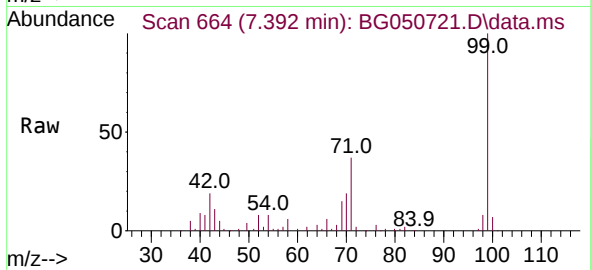




#7
Phenol-d6
Concen: 19.259 ng
RT: 7.392 min Scan# 664
Delta R.T. -0.009 min
Lab File: BG050721.D
Acq: 25 Oct 2021 22:12

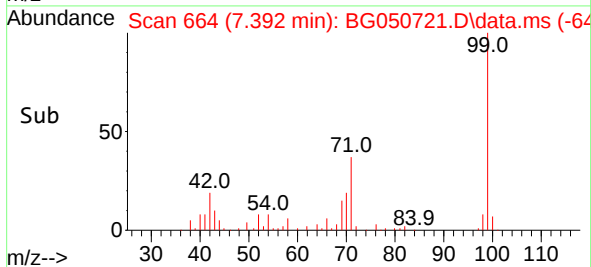
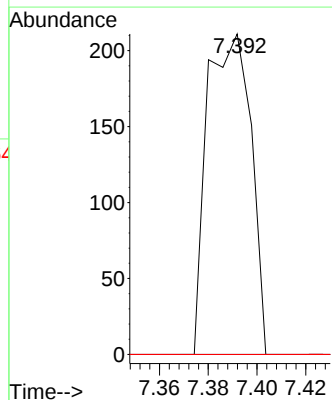
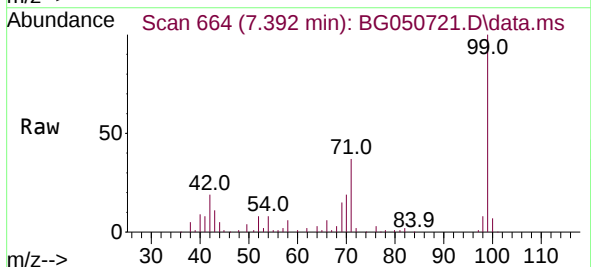
Instrument :
BNA_G
ClientSampleId :
L-1RE

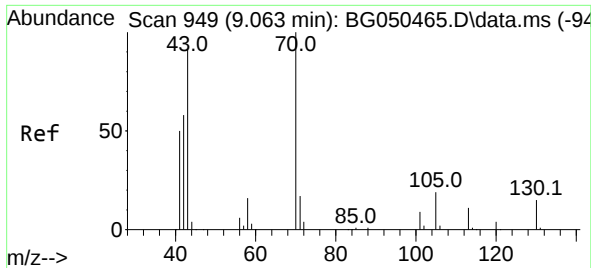
Tgt Ion: 99 Resp: 92274
Ion Ratio Lower Upper
99 100
42 18.7 20.5 30.7#
71 36.7 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.392 min Scan# 664
Delta R.T. 0.003 min
Lab File: BG050721.D
Acq: 25 Oct 2021 22:12

Tgt Ion: 77 Resp: 263
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

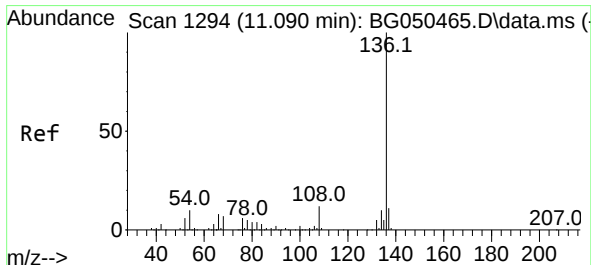
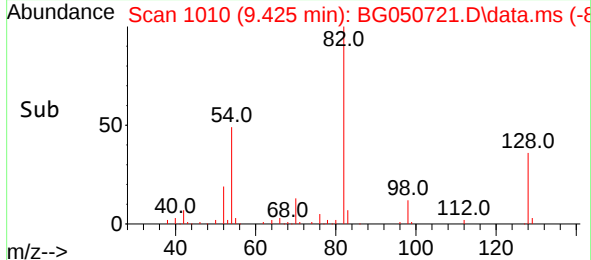
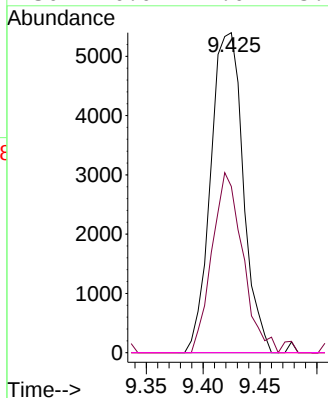
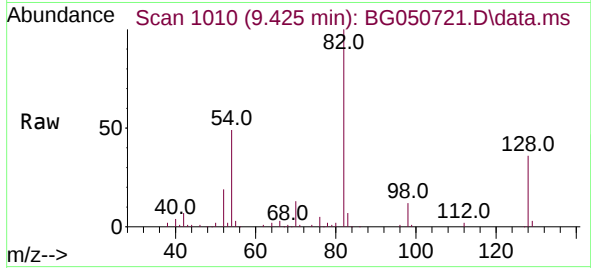




#19
n-Nitroso-di-n-propylamine
Concen: 3.072 ng
RT: 9.425 min Scan# 1010
Delta R.T. 0.367 min
Lab File: BG050721.D
Acq: 25 Oct 2021 22:12

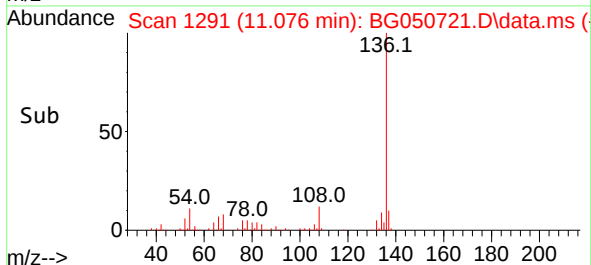
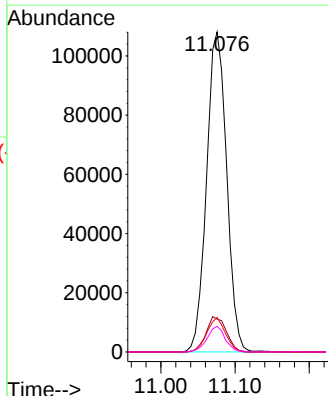
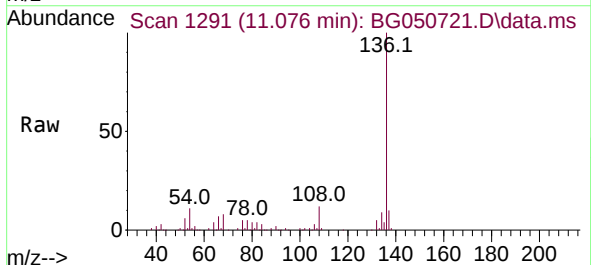
Instrument :
BNA_G
ClientSampleId :
L-1RE

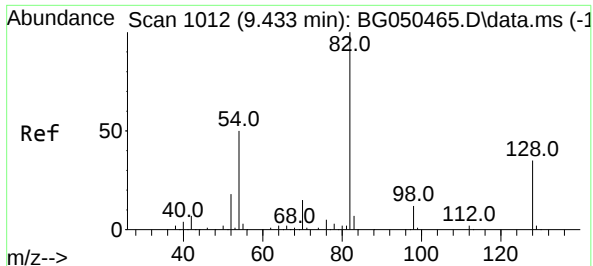
Tgt Ion: 70	Resp: 10729
Ion Ratio	Lower Upper
70 100	
42 52.0	54.5 81.7#
101 0.0	9.0 13.6#
130 0.0	17.0 25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.076 min Scan# 1291
Delta R.T. -0.009 min
Lab File: BG050721.D
Acq: 25 Oct 2021 22:12

Tgt Ion: 136	Resp: 203661
Ion Ratio	Lower Upper
136 100	
137 10.3	8.2 12.2
54 10.8	5.5 8.3#
68 8.0	2.3 3.5#

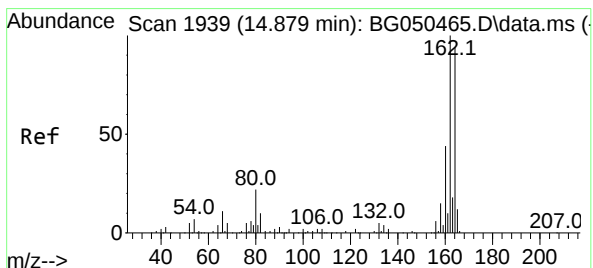
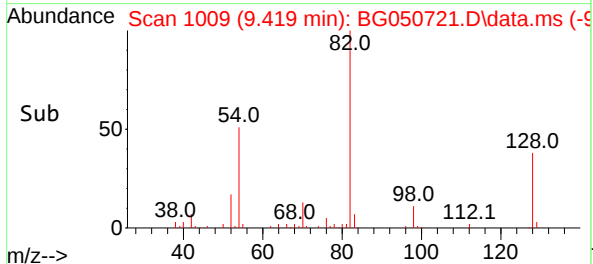
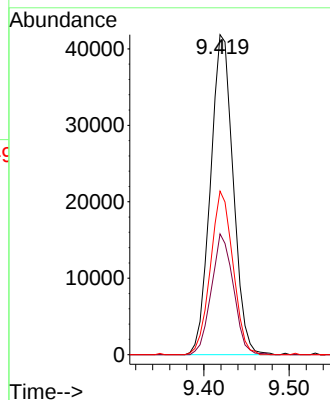
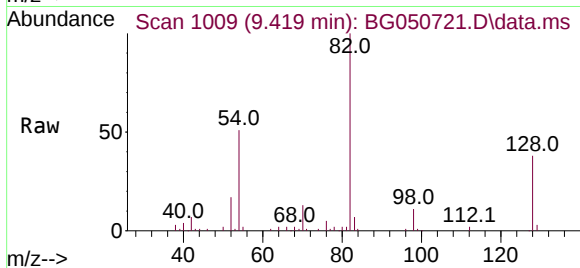




#23
Nitrobenzene-d5
Concen: 15.773 ng
RT: 9.419 min Scan# 1009
Delta R.T. -0.009 min
Lab File: BG050721.D
Acq: 25 Oct 2021 22:12

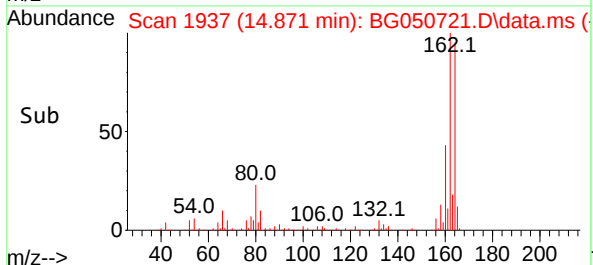
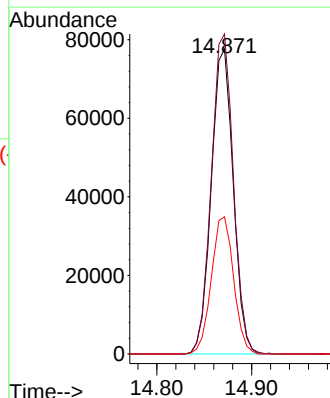
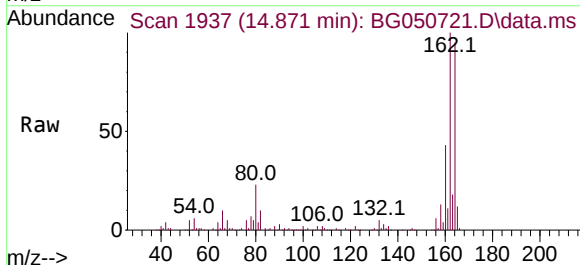
Instrument :
BNA_G
ClientSampleId :
L-1RE

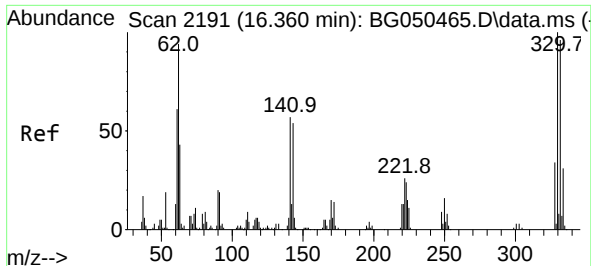
Tgt Ion:	82	Resp:	77602
Ion	Ratio	Lower	Upper
82	100		
128	37.7	29.8	44.6
54	51.1	45.8	68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.871 min Scan# 1937
Delta R.T. -0.003 min
Lab File: BG050721.D
Acq: 25 Oct 2021 22:12

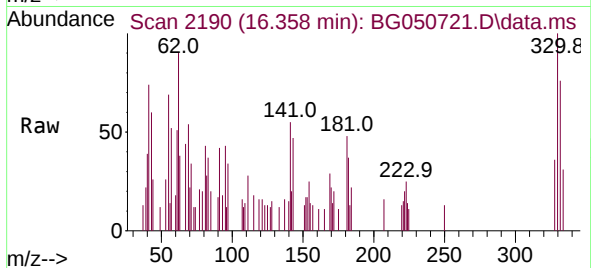
Tgt Ion:	164	Resp:	124838
Ion	Ratio	Lower	Upper
164	100		
162	104.9	81.4	122.0
160	45.0	34.9	52.3



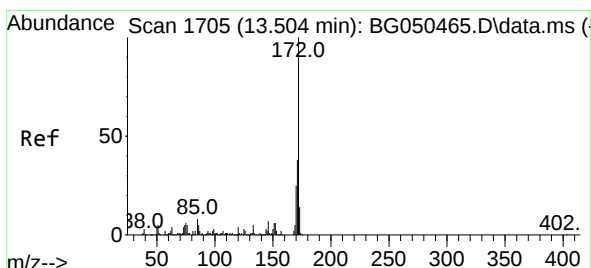
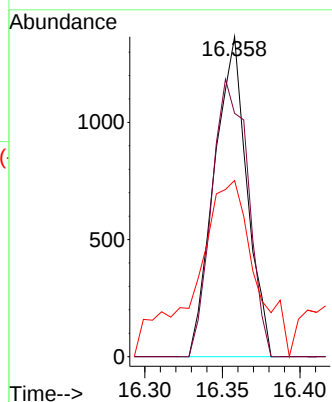
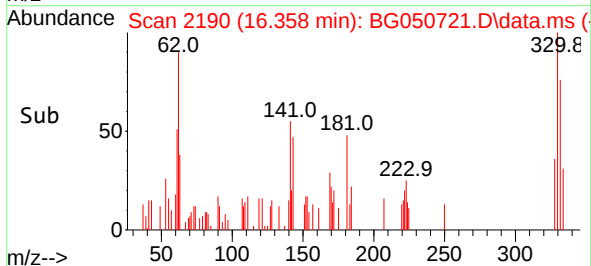


#42
2,4,6-Tribromophenol
Concen: 1.682 ng
RT: 16.358 min Scan# 2190
Delta R.T. -0.003 min
Lab File: BG050721.D
Acq: 25 Oct 2021 22:12

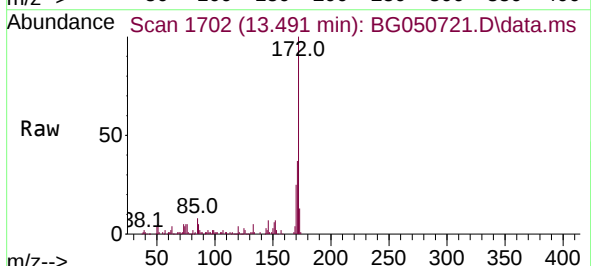
Instrument :
BNA_G
ClientSampled :
L-1RE



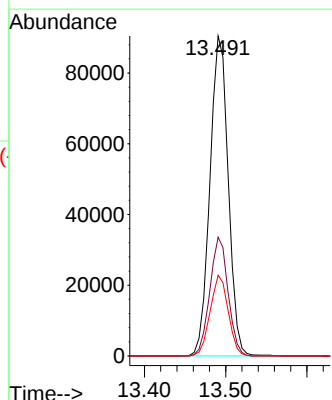
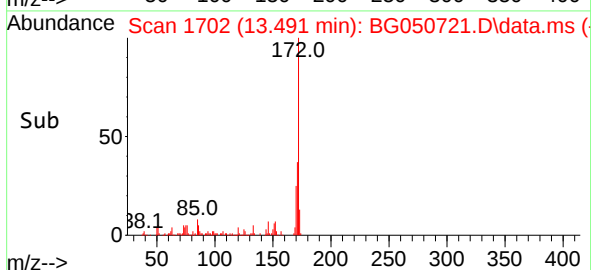
Tgt Ion:330 Resp: 2003
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 100.3 35.6 53.4#

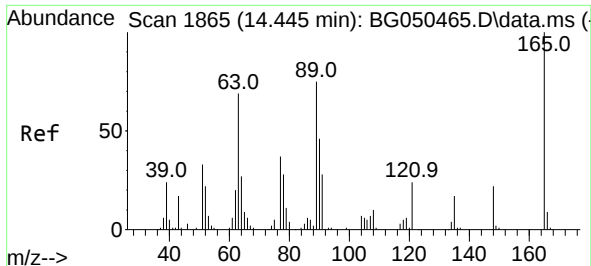


#45
2-Fluorobiphenyl
Concen: 17.039 ng
RT: 13.491 min Scan# 1702
Delta R.T. -0.015 min
Lab File: BG050721.D
Acq: 25 Oct 2021 22:12



Tgt Ion:172 Resp: 141334
Ion Ratio Lower Upper
172 100
171 37.1 28.6 43.0
170 25.2 18.6 27.8

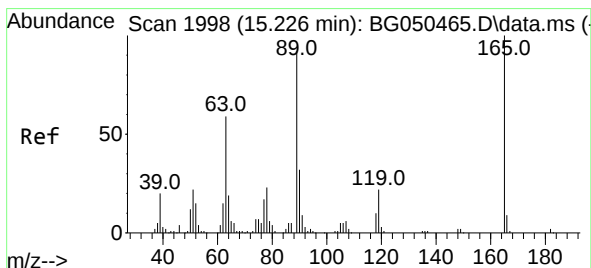
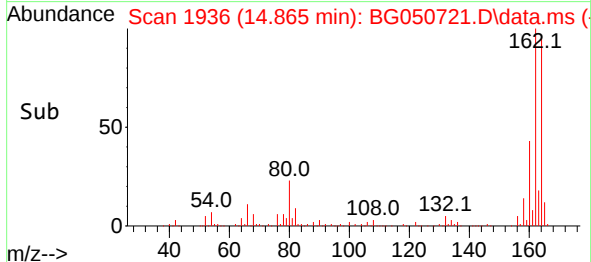
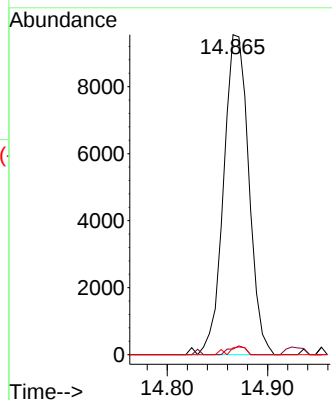
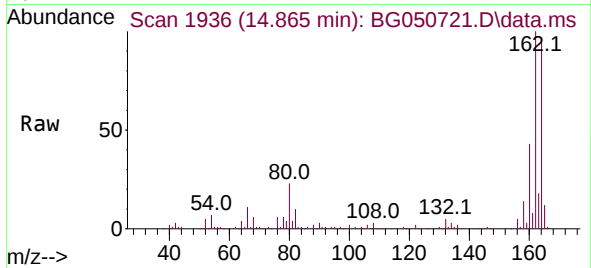




#51
2,6-Dinitrotoluene
Concen: 8.803 ng
RT: 14.865 min Scan# 1936
Delta R.T. 0.420 min
Lab File: BG050721.D
Acq: 25 Oct 2021 22:12

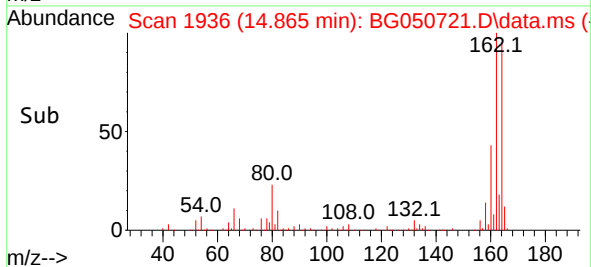
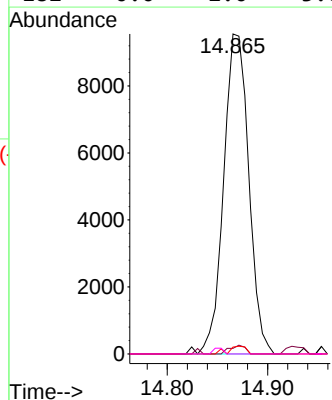
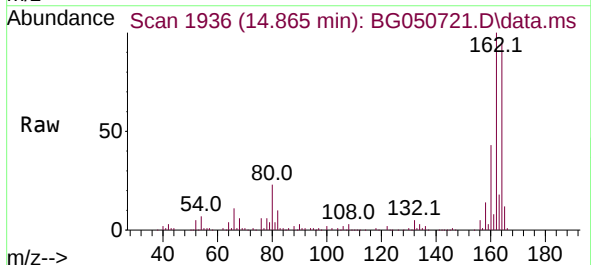
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BNA_G
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L-1RE

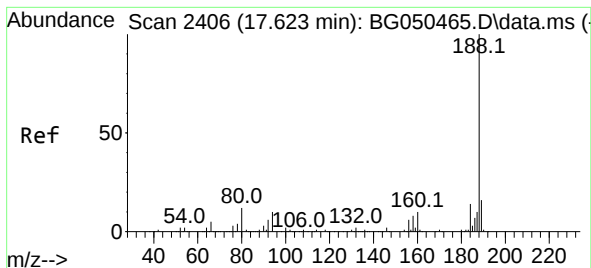
Tgt Ion:165 Resp: 16637
Ion Ratio Lower Upper
165 100
63 1.7 63.3 94.9#
89 2.1 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.245 ng
RT: 14.865 min Scan# 1936
Delta R.T. -0.361 min
Lab File: BG050721.D
Acq: 25 Oct 2021 22:12

Tgt Ion:165 Resp: 16637
Ion Ratio Lower Upper
165 100
63 1.7 48.0 72.0#
89 2.1 65.4 98.0#
182 0.0 2.0 3.0#

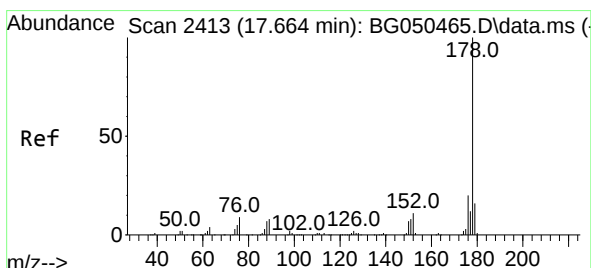
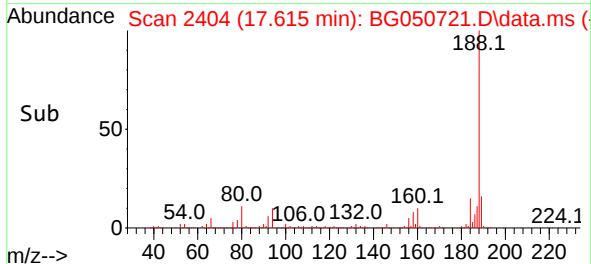
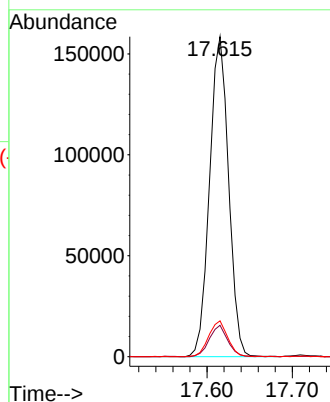
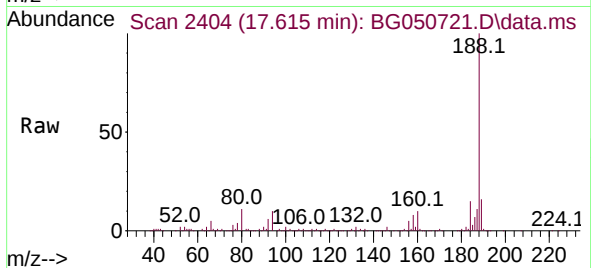




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.615 min Scan# 2404
Delta R.T. -0.003 min
Lab File: BG050721.D
Acq: 25 Oct 2021 22:12

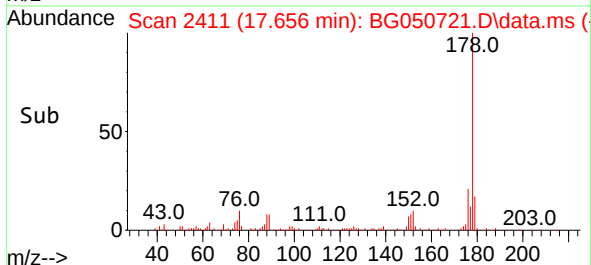
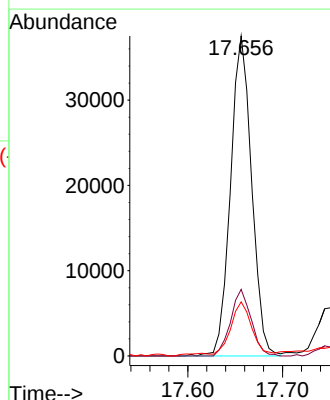
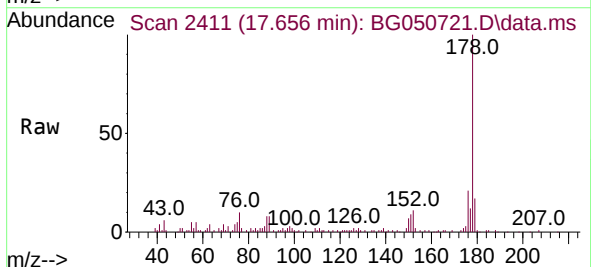
Instrument :
BNA_G
ClientSampleId :
L-1RE

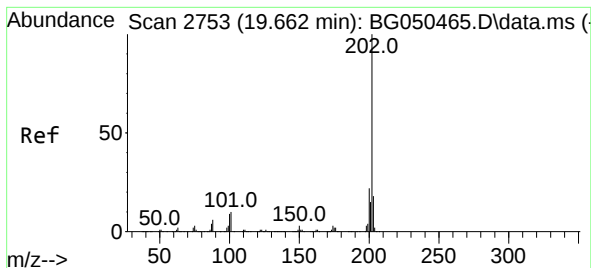
Tgt Ion:188 Resp: 245926
Ion Ratio Lower Upper
188 100
94 9.8 5.4 8.0#
80 11.2 3.7 5.5#



#71
Phenanthrene
Concen: 4.482 ng
RT: 17.656 min Scan# 2411
Delta R.T. -0.009 min
Lab File: BG050721.D
Acq: 25 Oct 2021 22:12

Tgt Ion:178 Resp: 58090
Ion Ratio Lower Upper
178 100
176 20.8 16.0 24.0
179 16.9 14.2 21.4

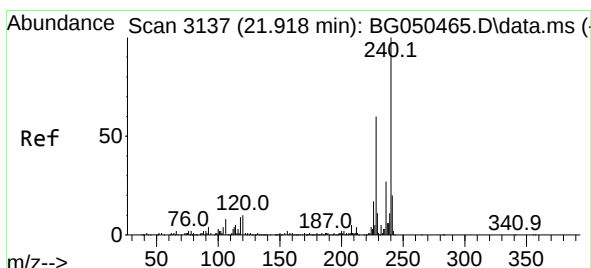
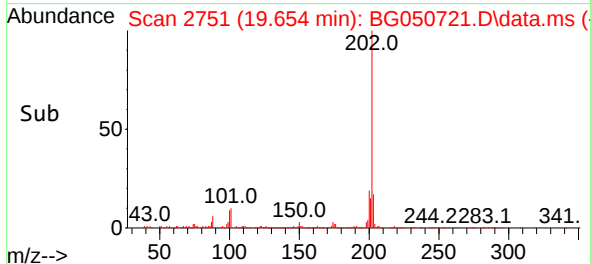
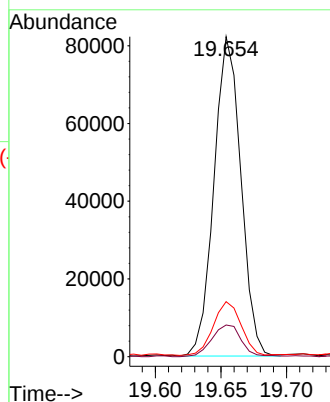
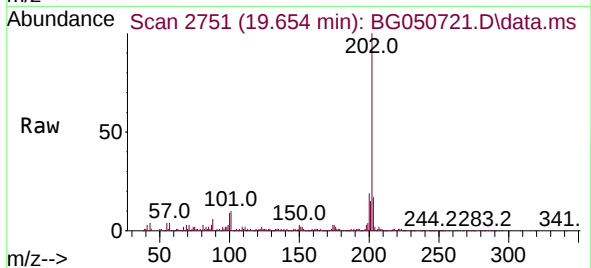




#75
Fluoranthene
Concen: 7.347 ng
RT: 19.654 min Scan# 2751
Delta R.T. -0.009 min
Lab File: BG050721.D
Acq: 25 Oct 2021 22:12

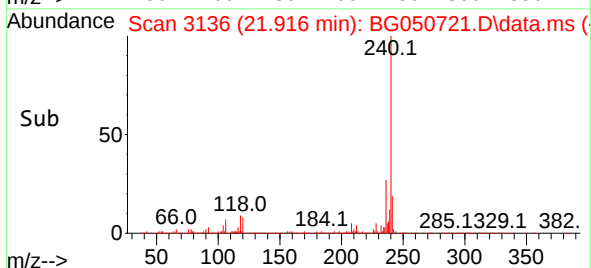
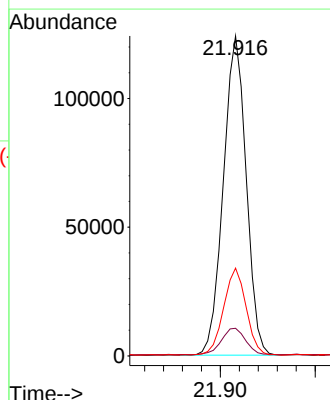
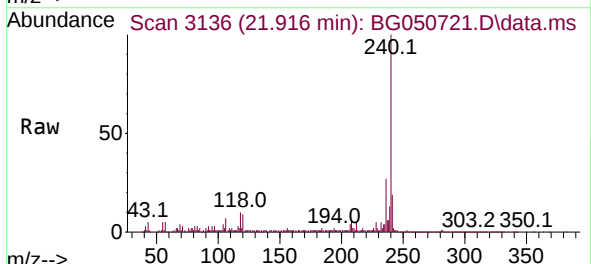
Instrument :
BNA_G
ClientSampleId :
L-1RE

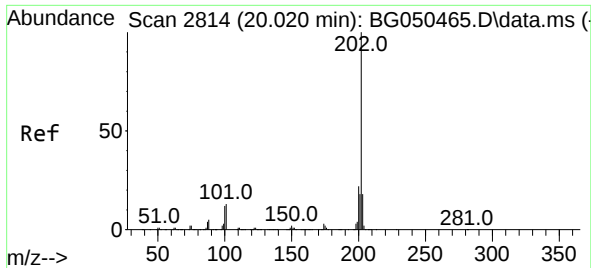
Tgt Ion:202 Resp: 117038
Ion Ratio Lower Upper
202 100
101 9.9 0.0 24.7
203 17.2 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.916 min Scan# 3136
Delta R.T. -0.009 min
Lab File: BG050721.D
Acq: 25 Oct 2021 22:12

Tgt Ion:240 Resp: 207382
Ion Ratio Lower Upper
240 100
120 8.7 4.2 6.2#
236 27.5 21.8 32.6

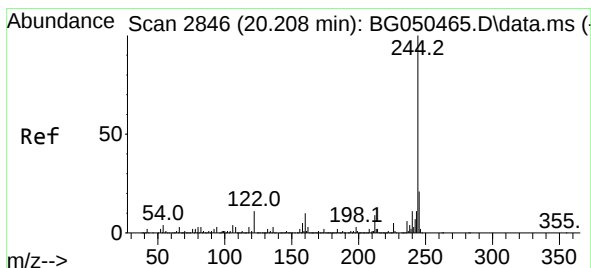
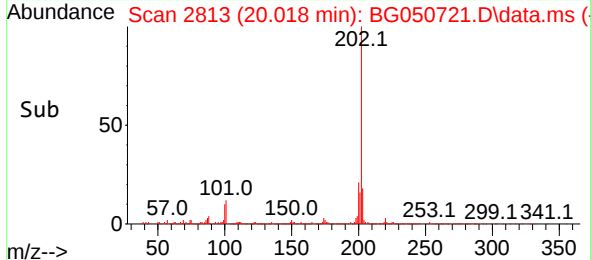
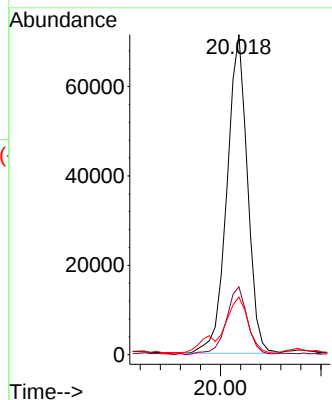
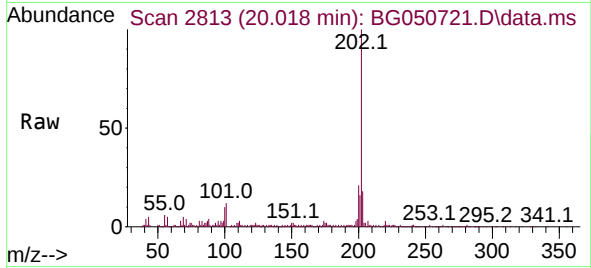




#78
Pyrene
Concen: 6.886 ng
RT: 20.018 min Scan# 2813
Delta R.T. -0.003 min
Lab File: BG050721.D
Acq: 25 Oct 2021 22:12

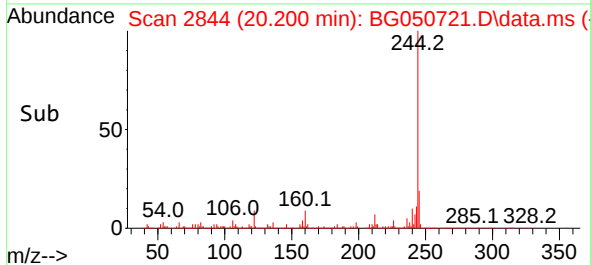
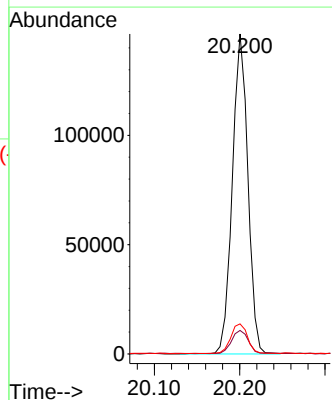
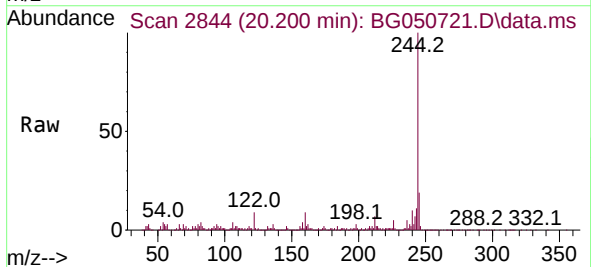
Instrument :
BNA_G
ClientSampleId :
L-1RE

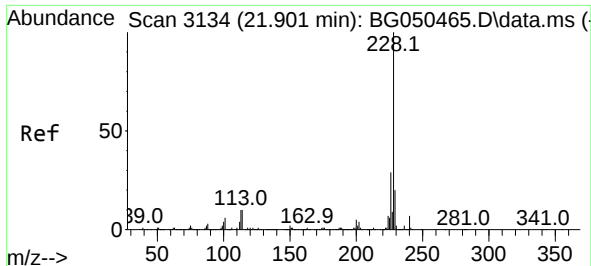
Tgt Ion:	202	Resp:	101318
Ion Ratio	Lower	Upper	
202	100		
200	21.2	15.8	23.8
203	18.0	14.6	21.8



#79
Terphenyl-d14
Concen: 17.418 ng
RT: 20.200 min Scan# 2844
Delta R.T. -0.009 min
Lab File: BG050721.D
Acq: 25 Oct 2021 22:12

Tgt Ion:	244	Resp:	185351
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.9	10.3
122	9.4	5.0	7.6#

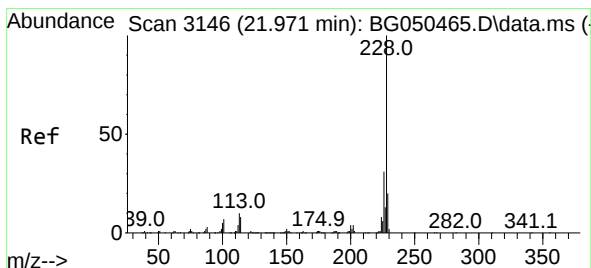
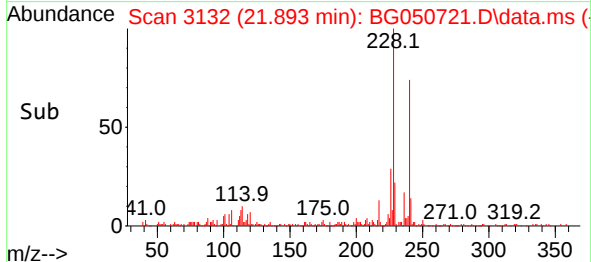
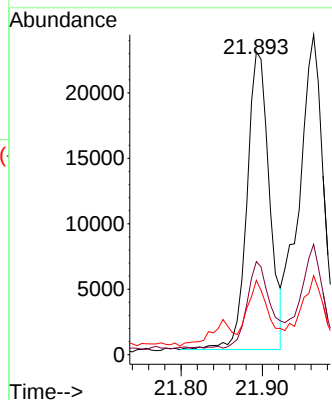
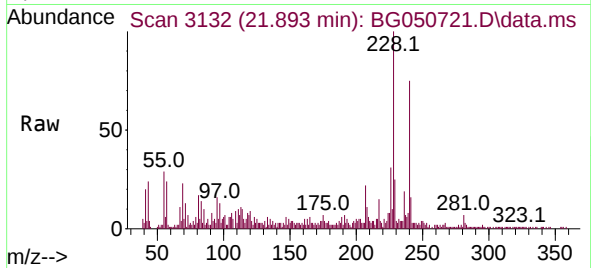




#81
Benzo(a)anthracene
Concen: 3.178 ng
RT: 21.893 min Scan# 3132
Delta R.T. -0.009 min
Lab File: BG050721.D
Acq: 25 Oct 2021 22:12

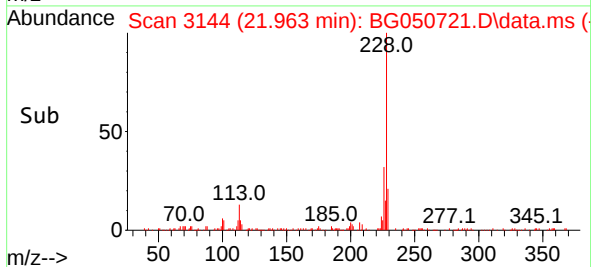
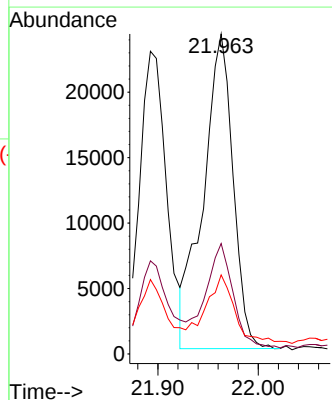
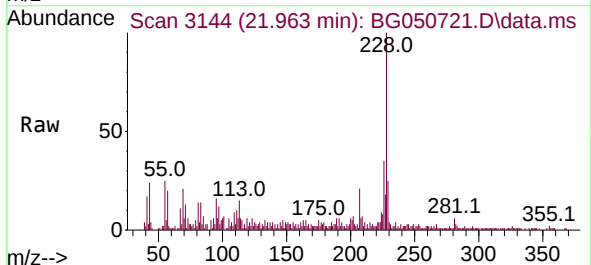
Instrument :
BNA_G
ClientSampleId :
L-1RE

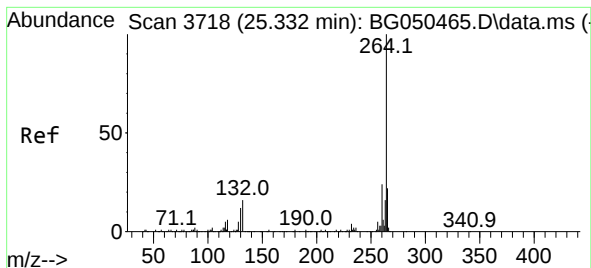
Tgt Ion:228 Resp: 43604
Ion Ratio Lower Upper
228 100
226 30.8 22.7 34.1
229 24.6 16.0 24.0#



#83
Chrysene
Concen: 3.847 ng
RT: 21.963 min Scan# 3144
Delta R.T. -0.009 min
Lab File: BG050721.D
Acq: 25 Oct 2021 22:12

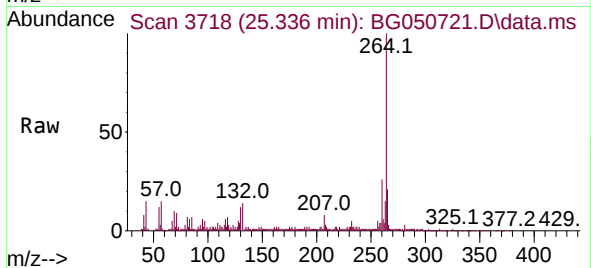
Tgt Ion:228 Resp: 49650
Ion Ratio Lower Upper
228 100
226 34.5 23.1 34.7
229 24.7 15.3 22.9#





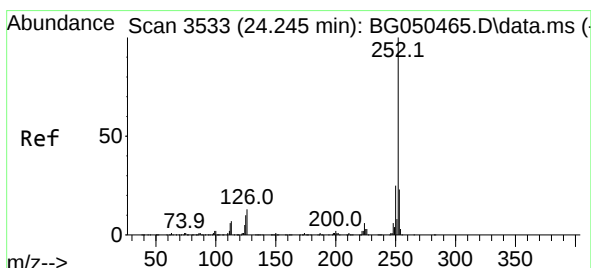
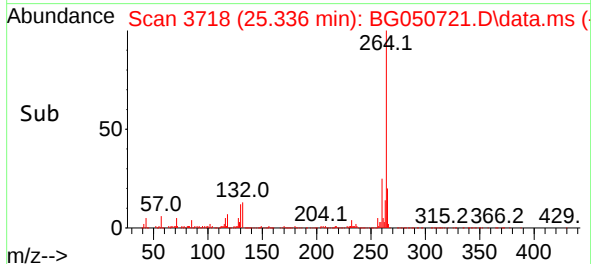
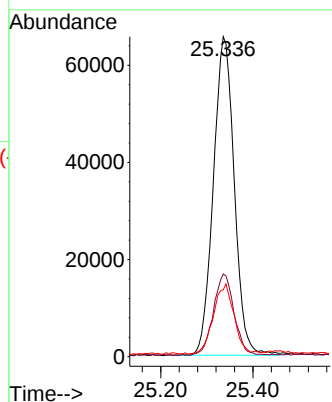
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.336 min Scan# 3718
Delta R.T. 0.003 min
Lab File: BG050721.D
Acq: 25 Oct 2021 22:12

Instrument :
BNA_G
ClientSampleId :
L-1RE



Tgt Ion:264 Resp: 206307

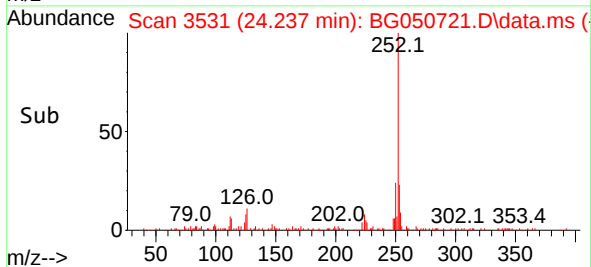
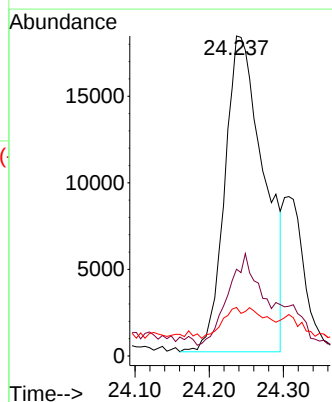
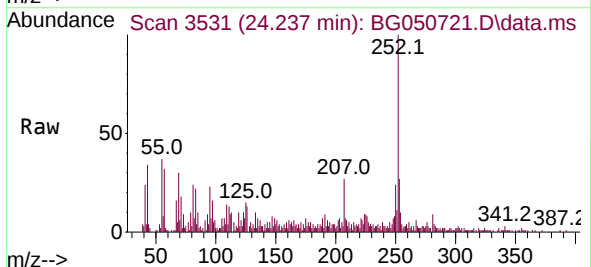
Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.4	29.2
265	20.9	16.9	25.3

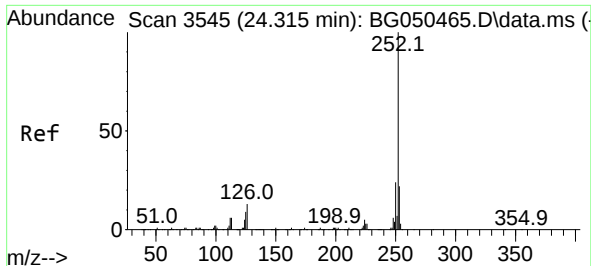


#88
Benzo(b)fluoranthene
Concen: 5.318 ng
RT: 24.237 min Scan# 3531
Delta R.T. -0.009 min
Lab File: BG050721.D
Acq: 25 Oct 2021 22:12

Tgt Ion:252 Resp: 67197

Ion	Ratio	Lower	Upper
252	100		
253	27.1	16.2	24.4#
125	15.1	3.0	4.4#





#89

Benzo(k)fluoranthene

Concen: 5.406 ng

RT: 24.237 min Scan# 3531

Delta R.T. -0.079 min

Lab File: BG050721.D

Acq: 25 Oct 2021 22:12

Tgt Ion:252 Resp: 67197

Ion Ratio Lower Upper

252 100

253 27.1 18.0 27.0#

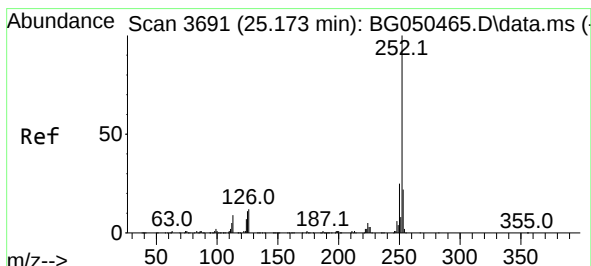
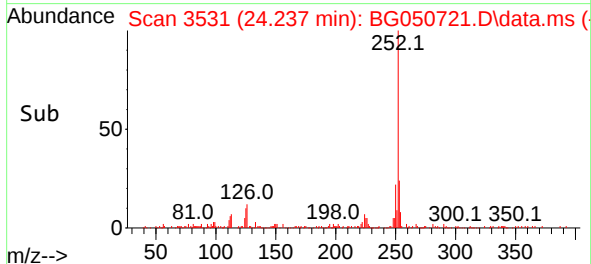
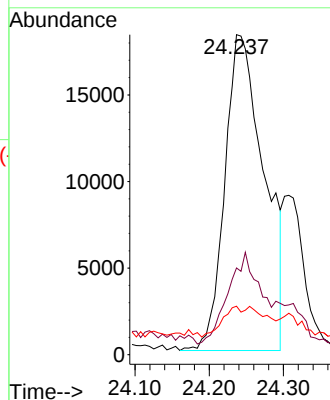
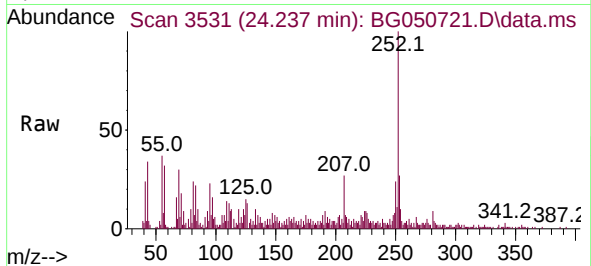
125 15.1 3.1 4.7#

Instrument :

BNA_G

ClientSampled :

L-1RE



#90

Benzo(a)pyrene

Concen: 3.736 ng

RT: 25.177 min Scan# 3691

Delta R.T. 0.003 min

Lab File: BG050721.D

Acq: 25 Oct 2021 22:12

Tgt Ion:252 Resp: 40129

Ion Ratio Lower Upper

252 100

253 28.3 16.6 25.0#

125 15.8 3.5 5.3#

