

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102521\
 Data File : BG050722.D
 Acq On : 25 Oct 2021 22:53
 Operator : CG/JU
 Sample : M4285-10DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-GA-(1)DL

Quant Time: Oct 26 02:16:51 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)

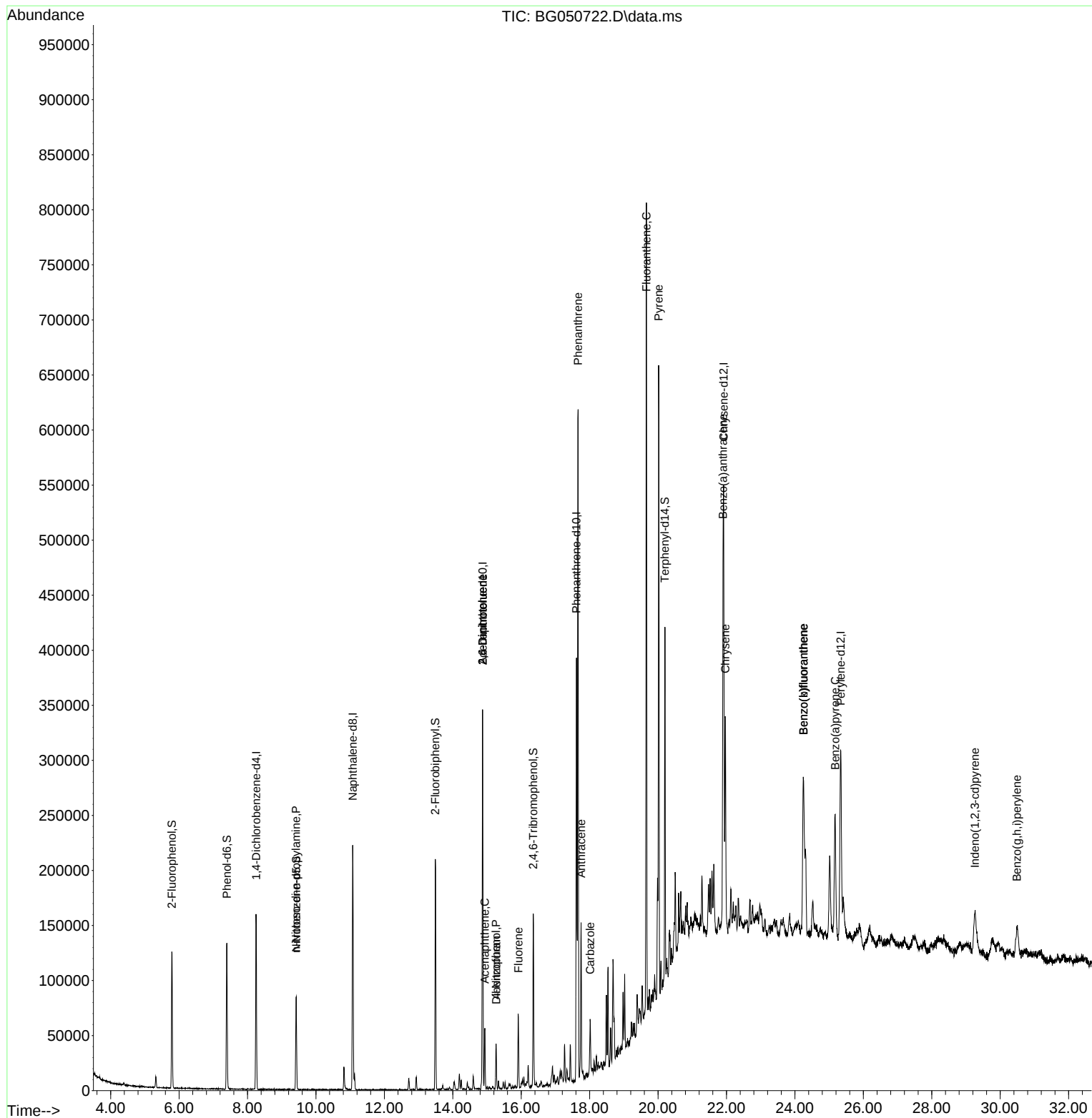
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.255	152	42301	20.000	ng	0.00
21) Naphthalene-d8	11.075	136	185956	20.000	ng	# 0.00
39) Acenaphthene-d10	14.871	164	116428	20.000	ng	0.00
64) Phenanthrene-d10	17.615	188	235467	20.000	ng	# 0.00
76) Chrysene-d12	21.915	240	189665	20.000	ng	# 0.00
86) Perylene-d12	25.335	264	189237	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.793	112	55572	19.647	ng	0.00
7) Phenol-d6	7.397	99	77527	18.931	ng	0.00
23) Nitrobenzene-d5	9.424	82	55660	12.391	ng	0.00
42) 2,4,6-Tribromophenol	16.351	330	19453	17.517	ng	0.00
45) 2-Fluorobiphenyl	13.490	172	107064	13.840	ng	-0.02
79) Terphenyl-d14	20.200	244	136442	14.020	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.397	77	222	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.418	70	7844	2.628	ng	# 65
51) 2,6-Dinitrotoluene	14.871	165	16131	9.151	ng	# 11
52) Acenaphthene	14.935	154	19009	2.769	ng	# 82
55) Dibenzofuran	15.270	168	22662	2.134	ng	97
56) 4-Nitrophenol	15.264	139	9308	5.550	ng	# 1
57) 2,4-Dinitrotoluene	14.871	165	16131	6.493	ng	# 16
58) Fluorene	15.917	166	30583	3.750	ng	95
71) Phenanthrene	17.662	178	379433	30.579	ng	97
72) Anthracene	17.750	178	90647	7.352	ng	99
73) Carbazole	18.014	167	30258	2.462	ng	98
75) Fluoranthene	19.659	202	457989	30.027	ng	97
78) Pyrene	20.018	202	362455	26.935	ng	97
81) Benzo(a)anthracene	21.898	228	166661	13.280	ng	99
83) Chrysene	21.968	228	146245	12.388	ng	95
87) Indeno(1,2,3-cd)pyrene	29.260	276	71024	5.389	ng	# 87
88) Benzo(b)fluoranthene	24.248	252	180713	15.593	ng	# 90
89) Benzo(k)fluoranthene	24.248	252	180713	15.850	ng	# 94
90) Benzo(a)pyrene	25.176	252	128347	13.025	ng	# 90
92) Benzo(g,h,i)perylene	30.488	276	28486	2.668	ng	# 83

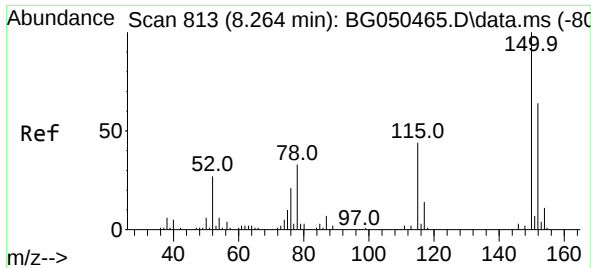
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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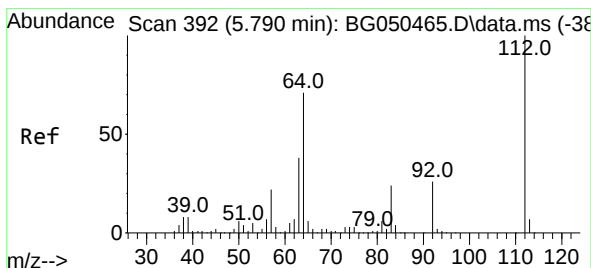
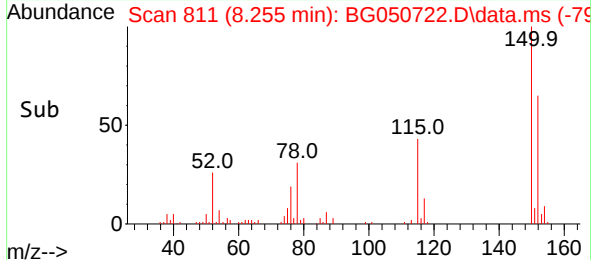
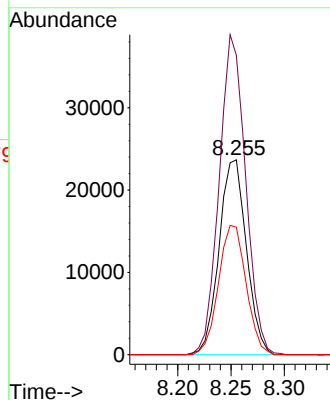
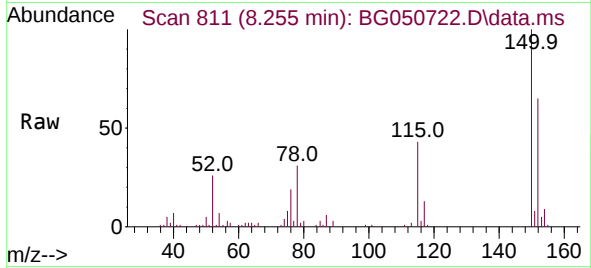




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.255 min Scan# 811
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

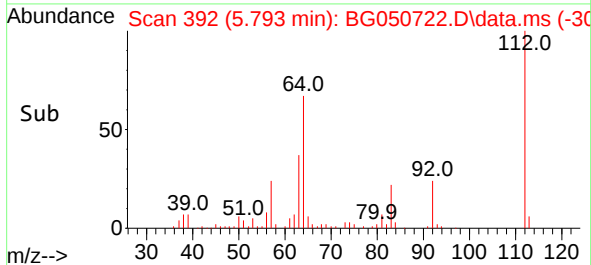
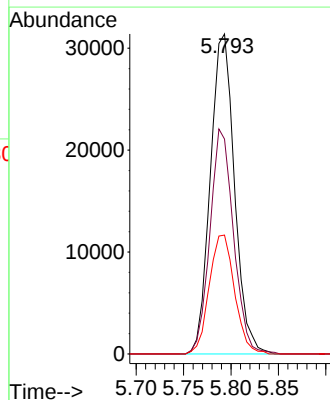
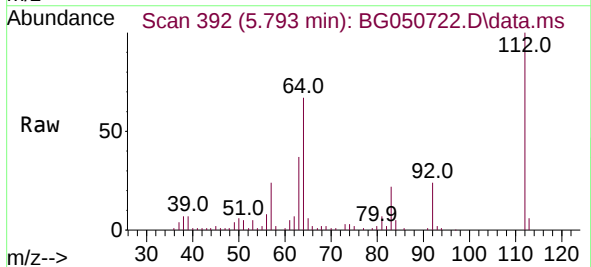
Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)DL

Tgt Ion:152 Resp: 42301
Ion Ratio Lower Upper
152 100
150 153.5 119.4 179.0
115 65.4 60.2 90.4



#5
2-Fluorophenol
Concen: 19.647 ng
RT: 5.793 min Scan# 392
Delta R.T. 0.002 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

Tgt Ion:112 Resp: 55572
Ion Ratio Lower Upper
112 100
64 67.2 46.7 70.1
63 37.2 35.3 52.9

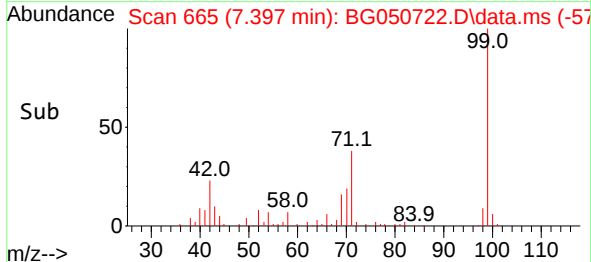
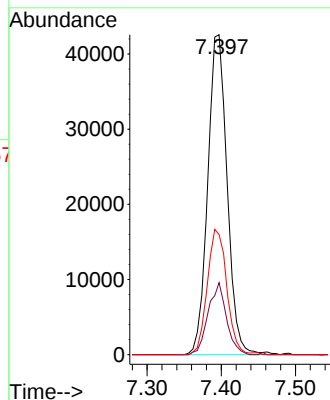
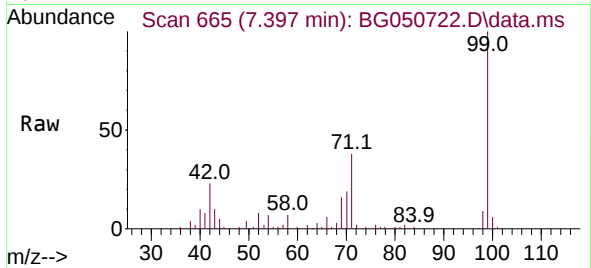




#7
Phenol-d6
Concen: 18.931 ng
RT: 7.397 min Scan# 665
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

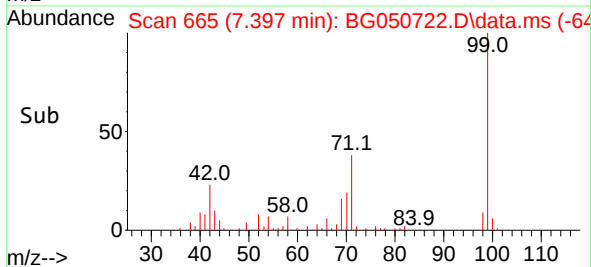
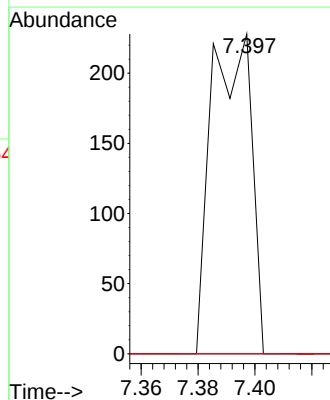
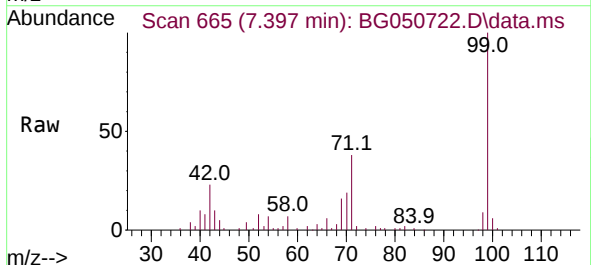
Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)DL

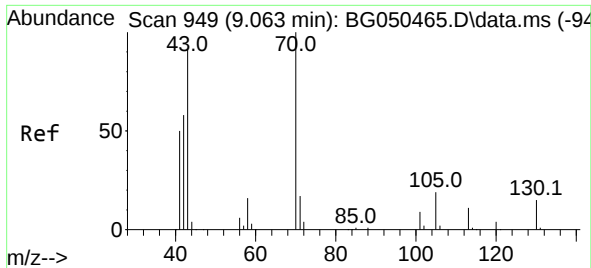
Tgt Ion: 99 Resp: 77527
Ion Ratio Lower Upper
99 100
42 22.5 20.5 30.7
71 37.6 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.397 min Scan# 665
Delta R.T. 0.008 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

Tgt Ion: 77 Resp: 222
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

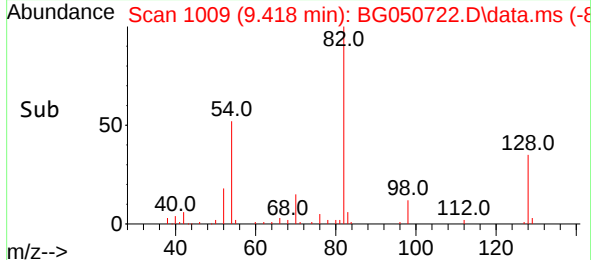
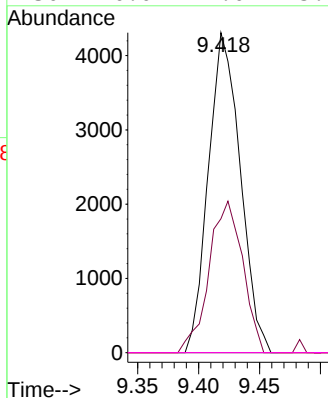
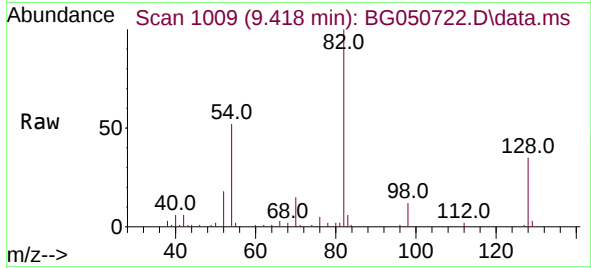




#19
n-Nitroso-di-n-propylamine
Concen: 2.628 ng
RT: 9.418 min Scan# 1009
Delta R.T. 0.361 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

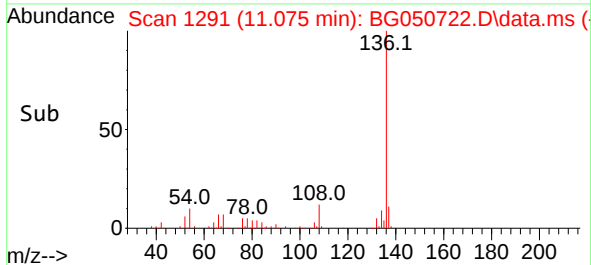
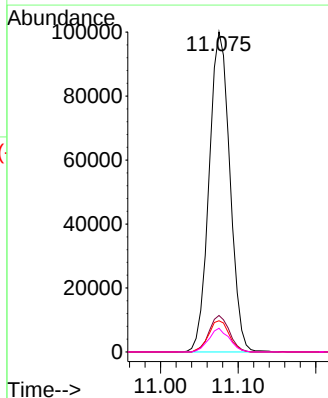
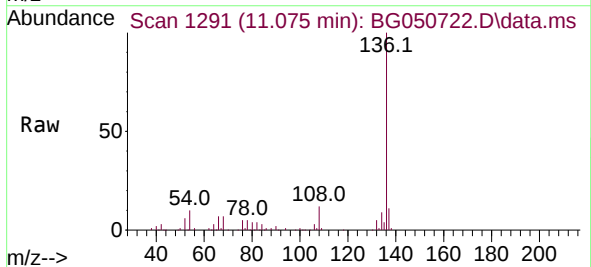
Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)DL

Tgt Ion:	70	Resp:	7844
Ion	Ratio	Lower	Upper
70	100		
42	41.9	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: 11.075 min Scan# 1291
Delta R.T. -0.009 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

Tgt Ion:	136	Resp:	185956
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.2	12.2
54	9.8	5.5	8.3#
68	7.4	2.3	3.5#

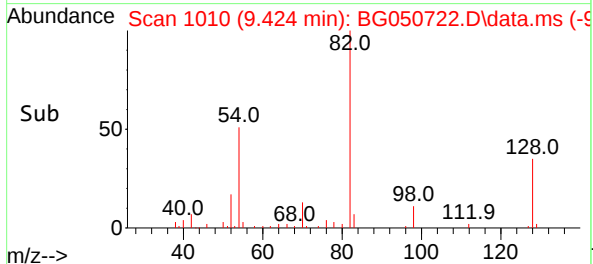
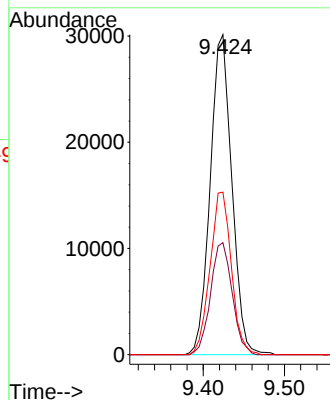
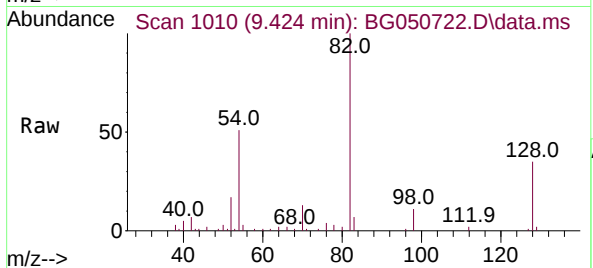




#23
Nitrobenzene-d5
Concen: 12.391 ng
RT: 9.424 min Scan# 1010
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

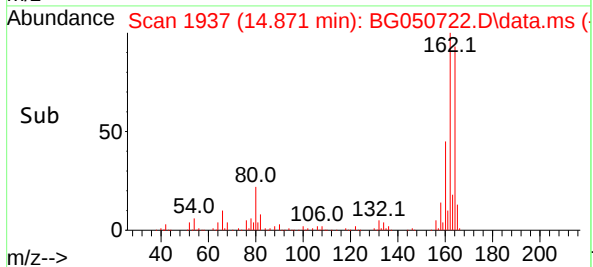
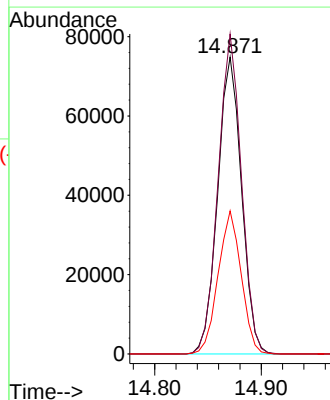
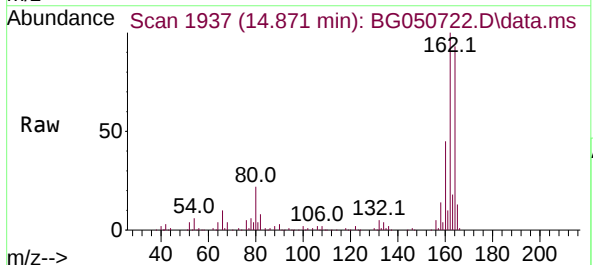
Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)DL

Tgt Ion:	82	Resp:	55660
Ion	Ratio	Lower	Upper
82	100		
128	35.0	29.8	44.6
54	50.8	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: BG050722.D
Acq: 25 Oct 2021 22:53

Tgt Ion:	164	Resp:	116428
Ion	Ratio	Lower	Upper
164	100		
162	107.8	81.4	122.0
160	48.2	34.9	52.3

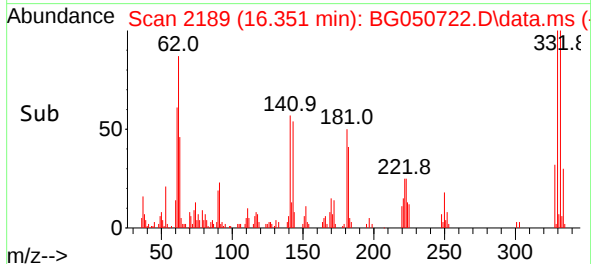
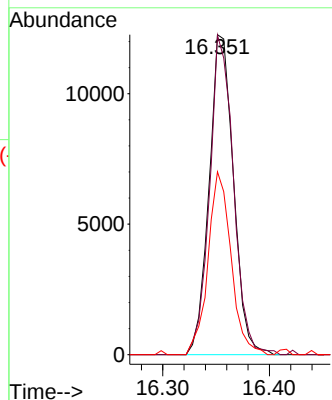
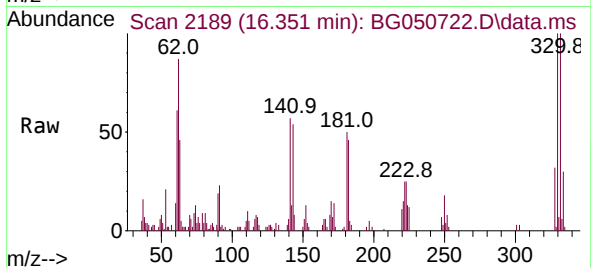




#42
 2,4,6-Tribromophenol
 Concen: 17.517 ng
 RT: 16.351 min Scan# 2189
 Delta R.T. -0.009 min
 Lab File: BG050722.D
 Acq: 25 Oct 2021 22:53

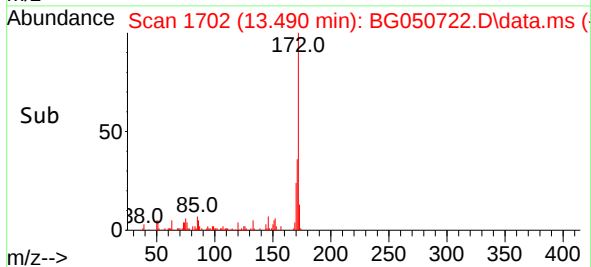
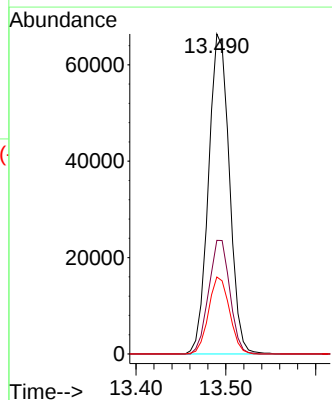
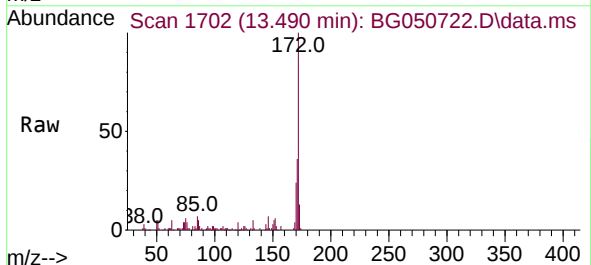
Instrument :
 BNA_G
 ClientSampleId :
 MH-GA-(1)DL

Tgt Ion:330 Resp: 19453
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.3 115.9
 141 54.1 35.6 53.4#



#45
 2-Fluorobiphenyl
 Concen: 13.840 ng
 RT: 13.490 min Scan# 1702
 Delta R.T. -0.015 min
 Lab File: BG050722.D
 Acq: 25 Oct 2021 22:53

Tgt Ion:172 Resp: 107064
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 43.0
 170 24.1 18.6 27.8

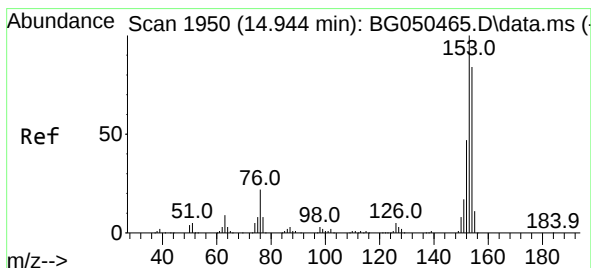
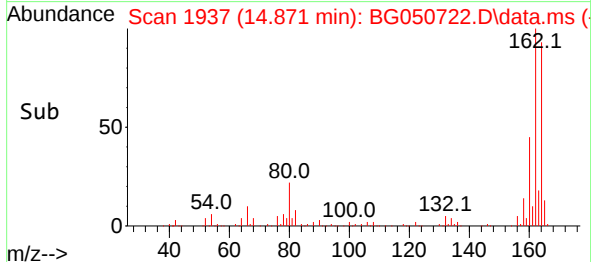
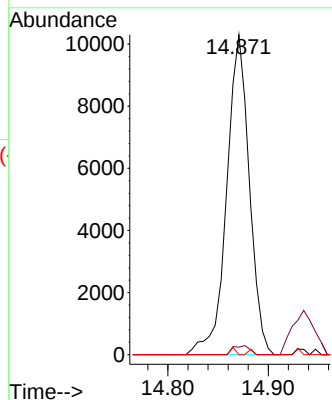
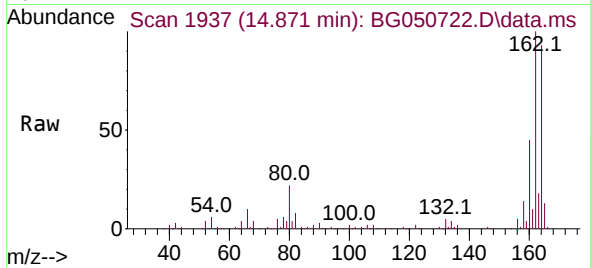




#51
2,6-Dinitrotoluene
Concen: 9.151 ng
RT: 14.871 min Scan# 1937
Delta R.T. 0.425 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

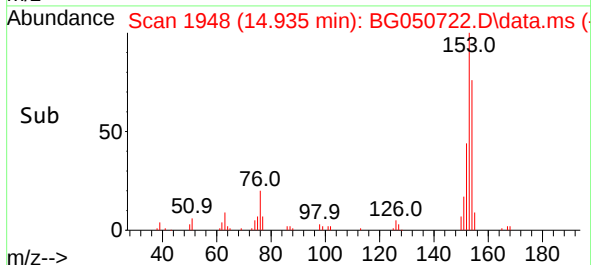
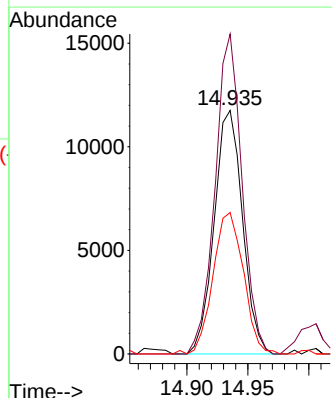
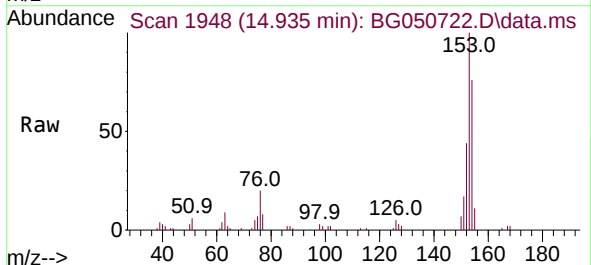
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ClientSampleId :
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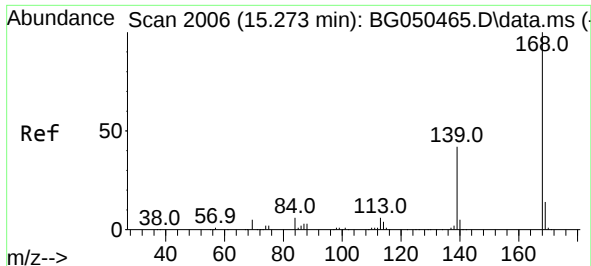
Tgt Ion:165 Resp: 16131
Ion Ratio Lower Upper
165 100
63 2.4 63.3 94.9#
89 0.0 63.4 95.0#



#52
Acenaphthene
Concen: 2.769 ng
RT: 14.935 min Scan# 1948
Delta R.T. -0.009 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

Tgt Ion:154 Resp: 19009
Ion Ratio Lower Upper
154 100
153 131.4 87.0 130.4#
152 58.1 40.1 60.1

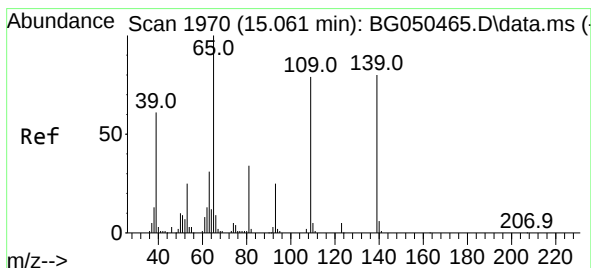
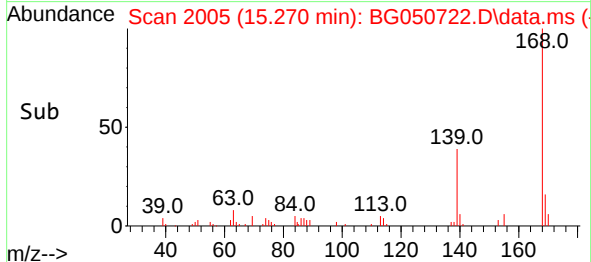
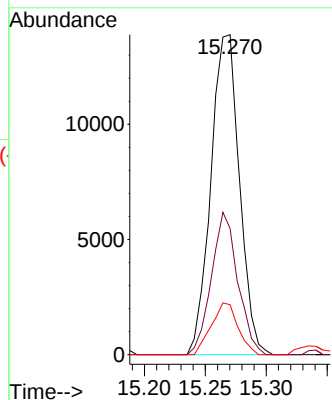
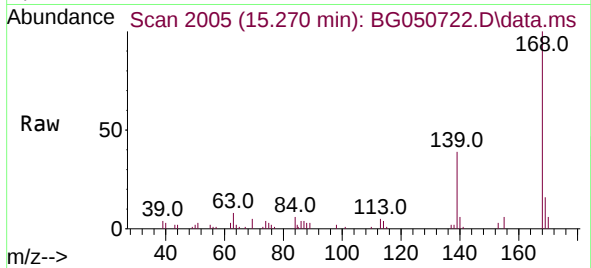




#55
Dibenzofuran
Concen: 2.134 ng
RT: 15.270 min Scan# 2005
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

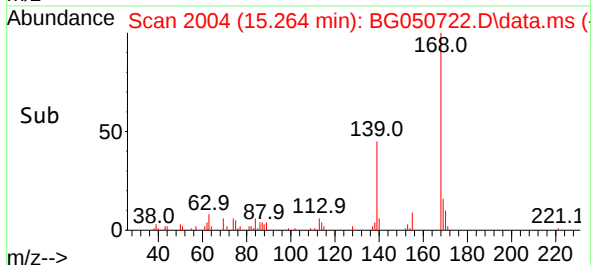
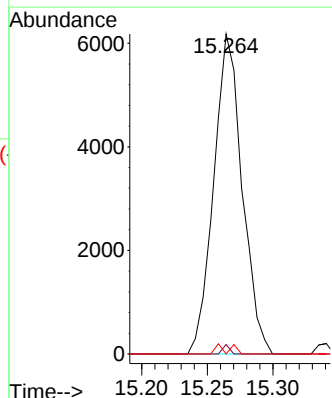
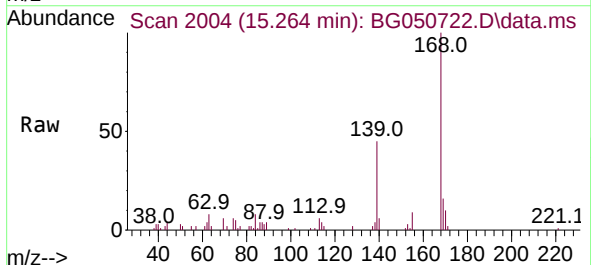
Instrument :
BNA_G
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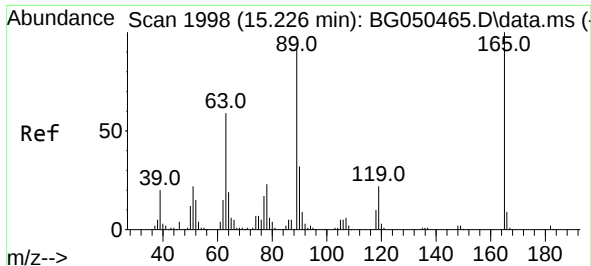
Tgt Ion:168 Resp: 22662
Ion Ratio Lower Upper
168 100
139 39.4 33.4 50.2
169 15.6 12.3 18.5



#56
4-Nitrophenol
Concen: 5.550 ng
RT: 15.264 min Scan# 2004
Delta R.T. 0.196 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

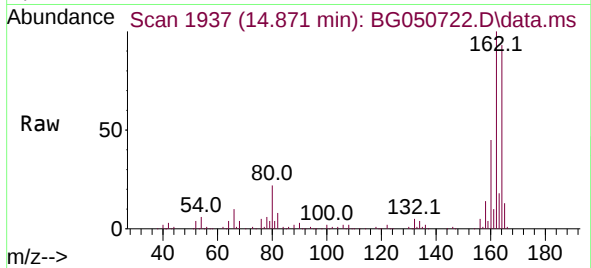
Tgt Ion:139 Resp: 9308
Ion Ratio Lower Upper
139 100
109 3.0 116.3 156.3#
65 0.0 105.0 145.0#



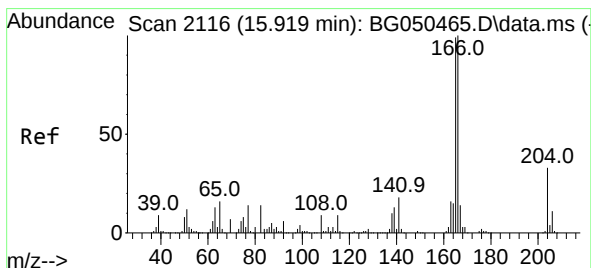
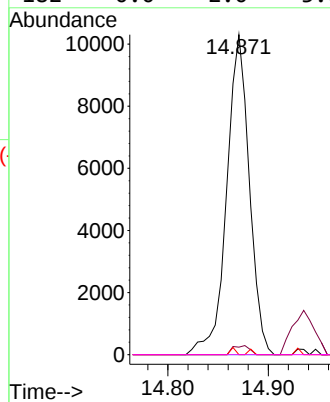
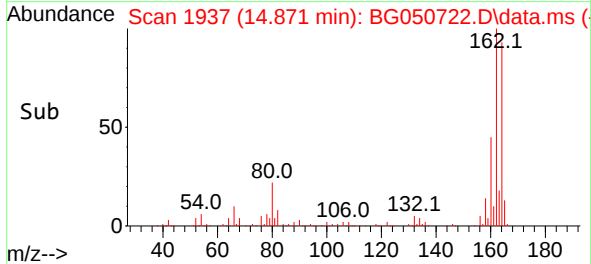


#57
2,4-Dinitrotoluene
Concen: 6.493 ng
RT: 14.871 min Scan# 1937
Delta R.T. -0.356 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

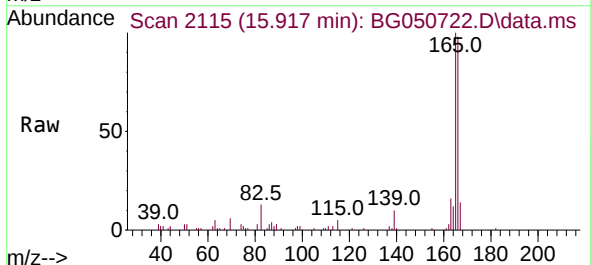
Instrument :
BNA_G
ClientSampleID :
MH-GA-(1)DL



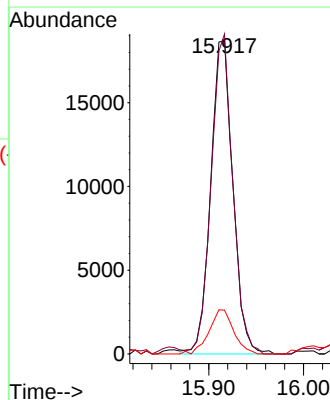
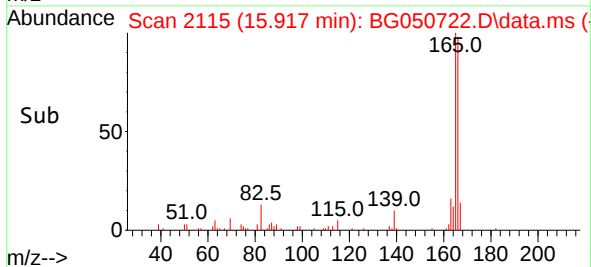
Tgt Ion:165 Resp: 16131
Ion Ratio Lower Upper
165 100
63 2.4 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#

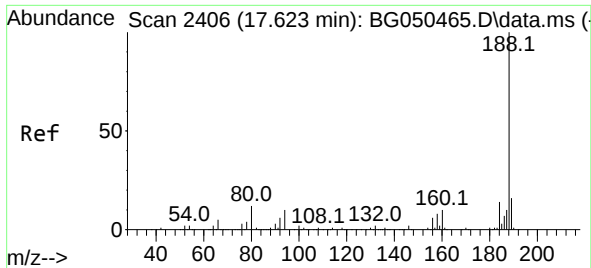


#58
Fluorene
Concen: 3.750 ng
RT: 15.917 min Scan# 2115
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53



Tgt Ion:166 Resp: 30583
Ion Ratio Lower Upper
166 100
165 102.1 77.7 116.5
167 14.0 10.8 16.2

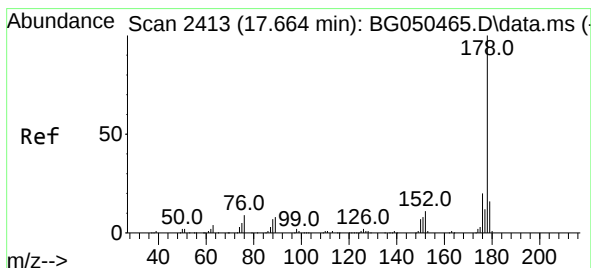
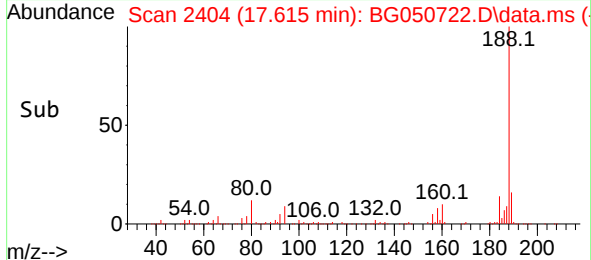
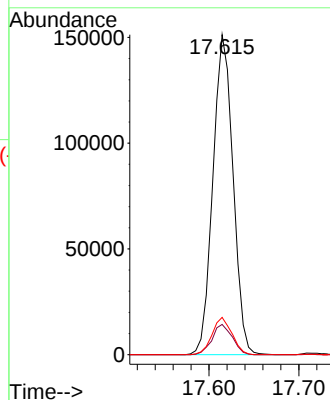
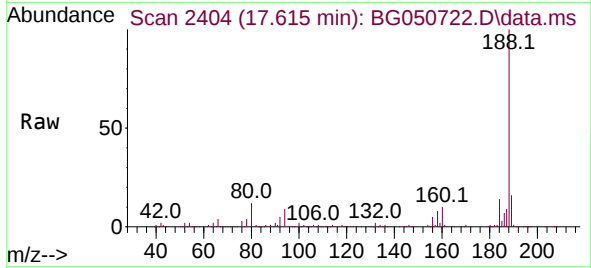




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.615 min Scan# 2404
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

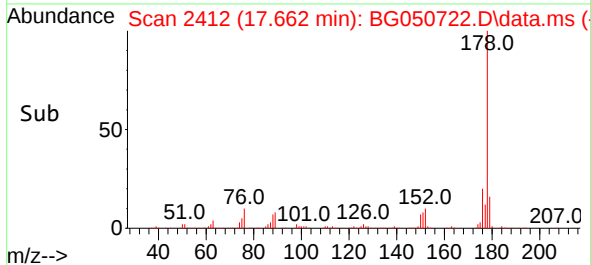
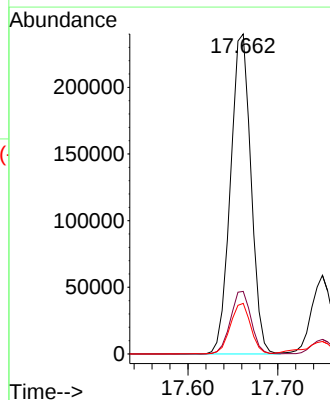
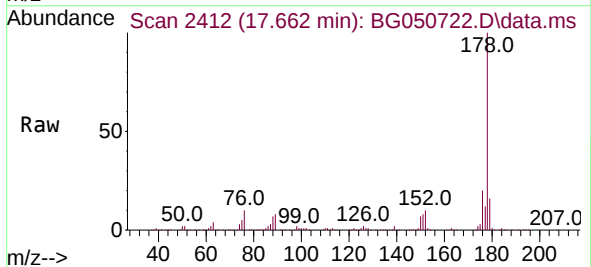
Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)DL

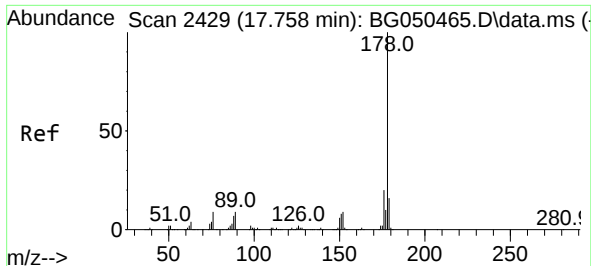
Tgt Ion:188 Resp: 235467
Ion Ratio Lower Upper
188 100
94 9.4 5.4 8.0#
80 11.6 3.7 5.5#



#71
Phenanthrene
Concen: 30.579 ng
RT: 17.662 min Scan# 2412
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

Tgt Ion:178 Resp: 379433
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.8 14.2 21.4

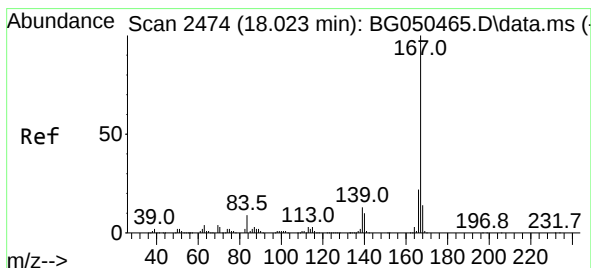
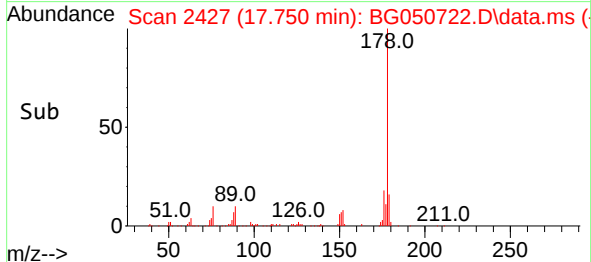
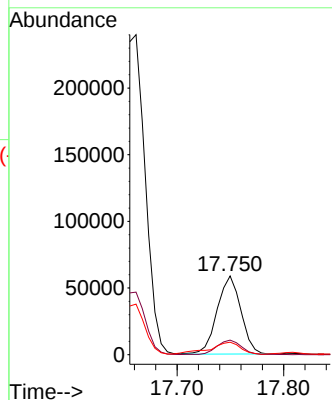
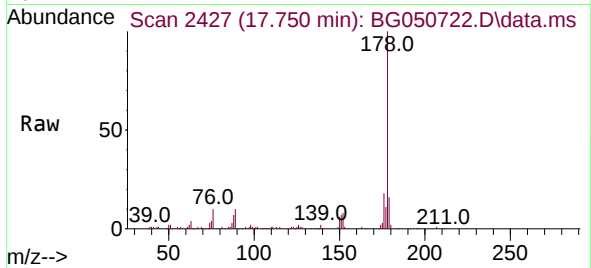




#72
 Anthracene
 Concen: 7.352 ng
 RT: 17.750 min Scan# 2427
 Delta R.T. -0.003 min
 Lab File: BG050722.D
 Acq: 25 Oct 2021 22:53

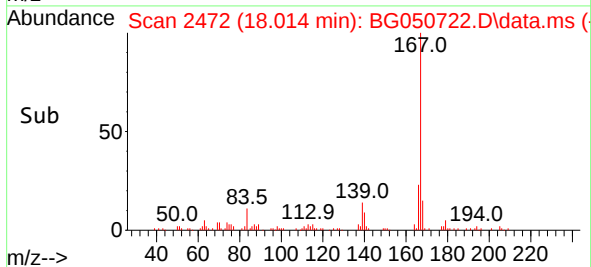
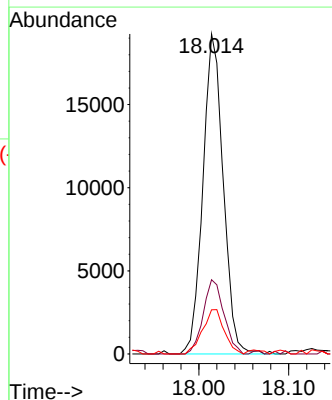
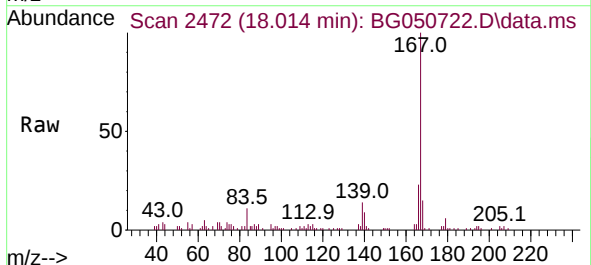
Instrument :
 BNA_G
 ClientSampleId :
 MH-GA-(1)DL

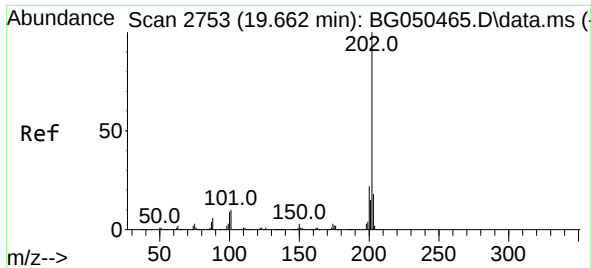
Tgt Ion:178 Resp: 90647
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.6 21.8
 179 15.9 13.4 20.0



#73
 Carbazole
 Concen: 2.462 ng
 RT: 18.014 min Scan# 2472
 Delta R.T. -0.009 min
 Lab File: BG050722.D
 Acq: 25 Oct 2021 22:53

Tgt Ion:167 Resp: 30258
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.4 26.2
 139 13.8 10.7 16.1

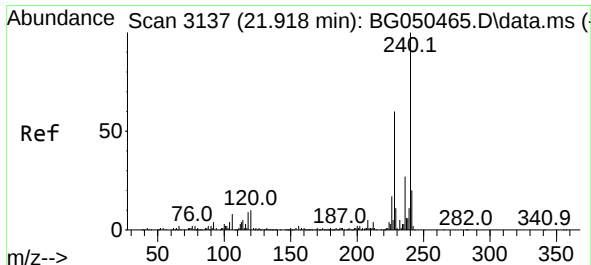
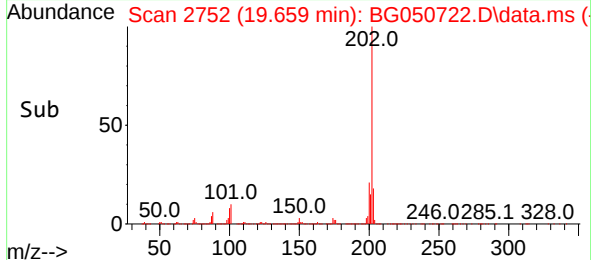
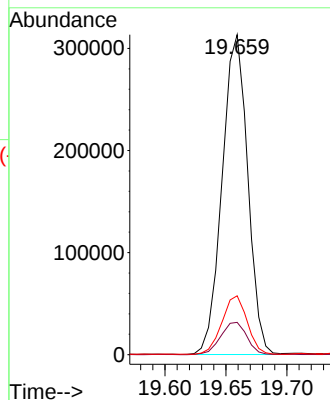
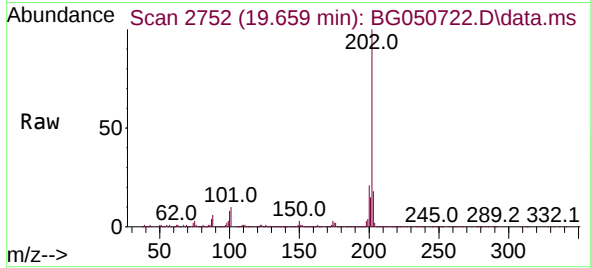




#75
Fluoranthene
Concen: 30.027 ng
RT: 19.659 min Scan# 2752
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

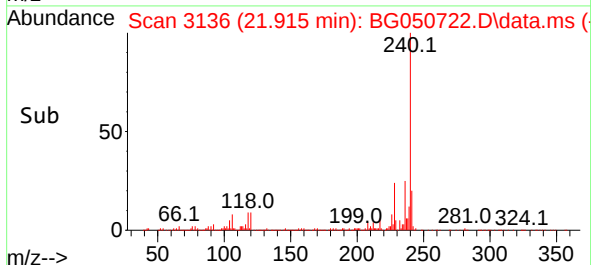
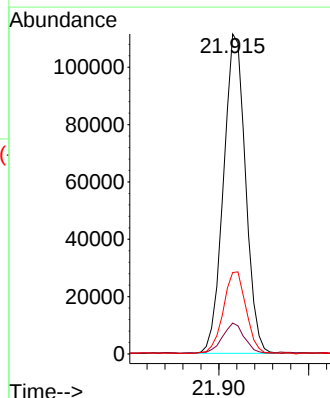
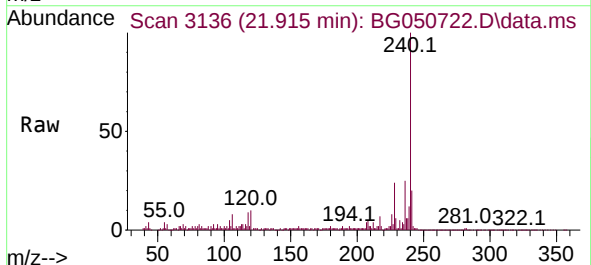
Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)DL

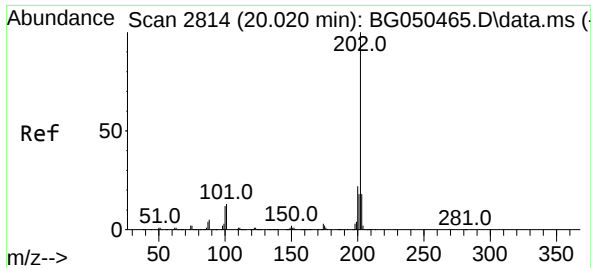
Tgt Ion:202	Resp:	457989
Ion Ratio	Lower	Upper
202	100	
101	10.1	0.0 24.7
203	18.4	0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.915 min Scan# 3136
Delta R.T. -0.009 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

Tgt Ion:240	Resp:	189665
Ion Ratio	Lower	Upper
240	100	
120	9.7	4.2 6.2#
236	25.5	21.8 32.6

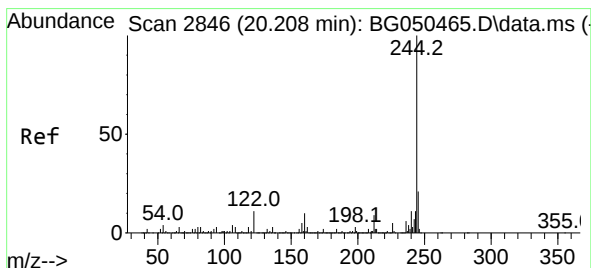
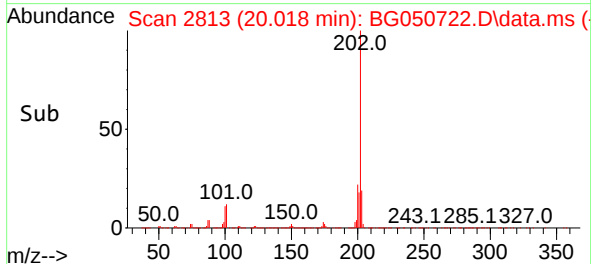
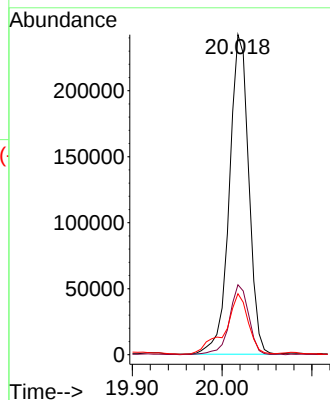
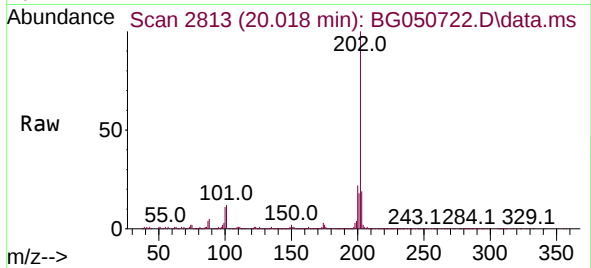




#78
Pyrene
Concen: 26.935 ng
RT: 20.018 min Scan# 2813
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

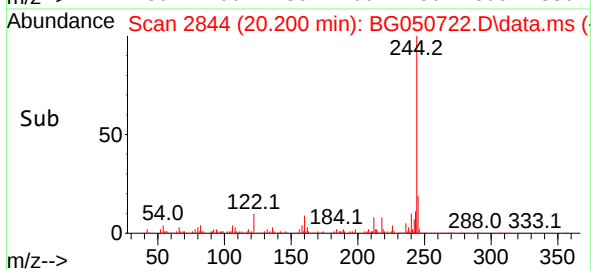
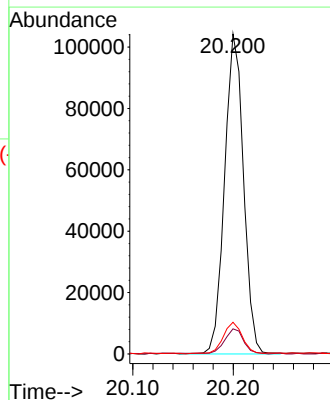
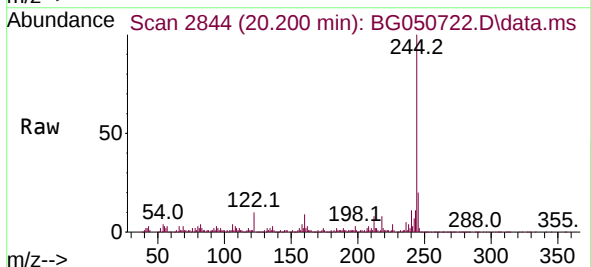
Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)DL

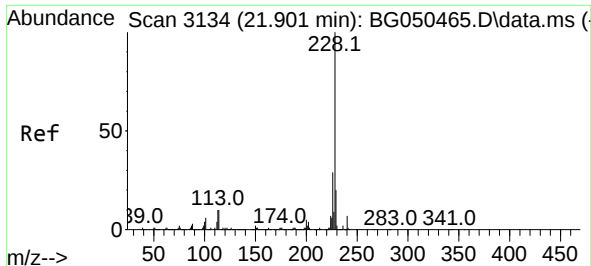
Tgt Ion:202 Resp: 362455
Ion Ratio Lower Upper
202 100
200 21.8 15.8 23.8
203 19.1 14.6 21.8



#79
Terphenyl-d14
Concen: 14.020 ng
RT: 20.200 min Scan# 2844
Delta R.T. -0.009 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

Tgt Ion:244 Resp: 136442
Ion Ratio Lower Upper
244 100
212 7.8 6.9 10.3
122 9.9 5.0 7.6#

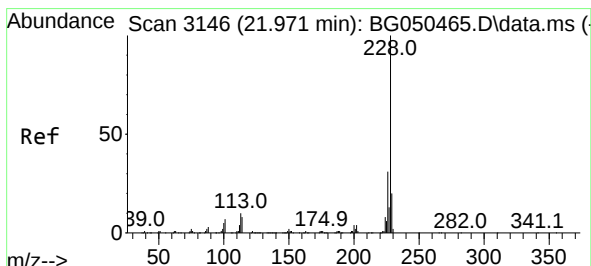
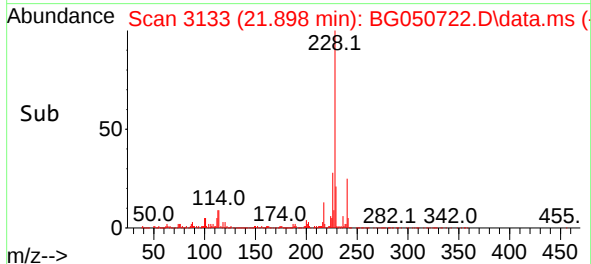
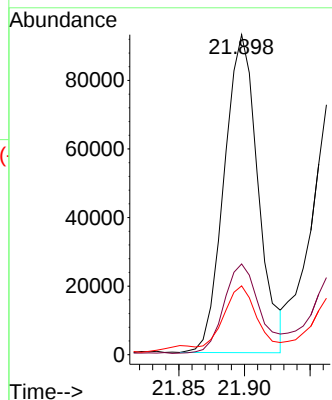
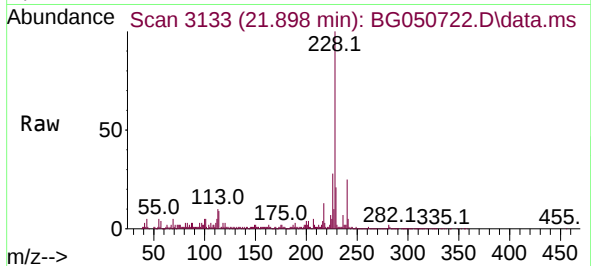




#81
Benzo(a)anthracene
Concen: 13.280 ng
RT: 21.898 min Scan# 3133
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

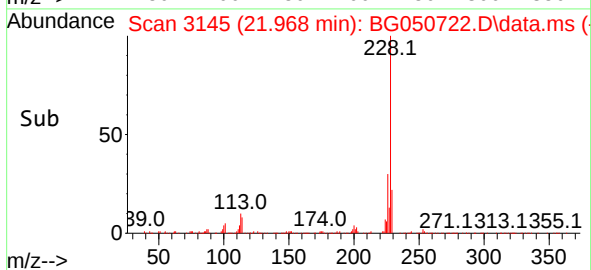
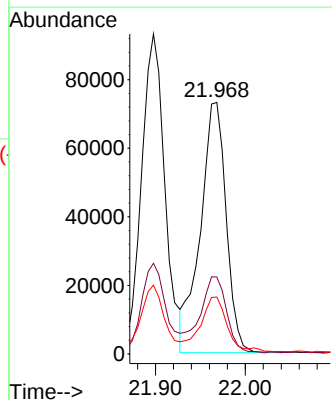
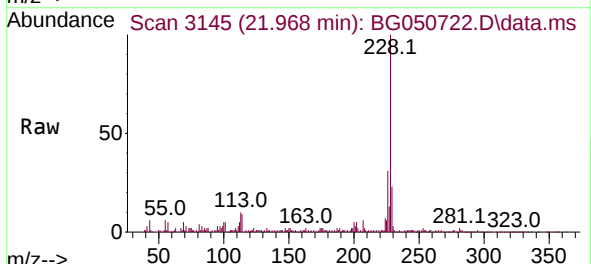
Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)DL

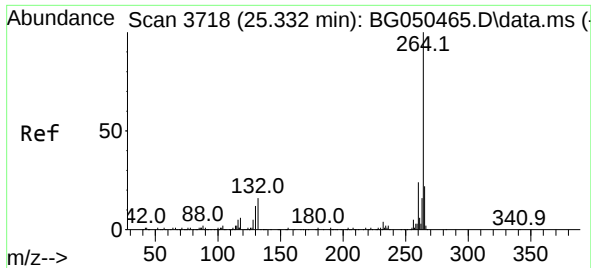
Tgt Ion:228 Resp: 166661
Ion Ratio Lower Upper
228 100
226 28.4 22.7 34.1
229 21.5 16.0 24.0



#83
Chrysene
Concen: 12.388 ng
RT: 21.968 min Scan# 3145
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

Tgt Ion:228 Resp: 146245
Ion Ratio Lower Upper
228 100
226 30.6 23.1 34.7
229 22.7 15.3 22.9

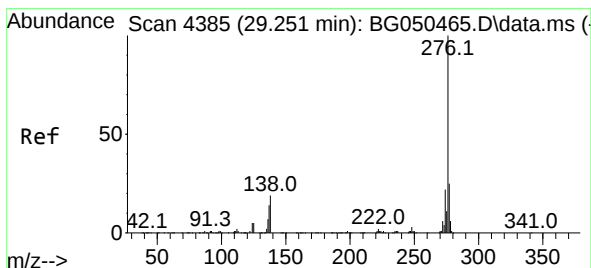
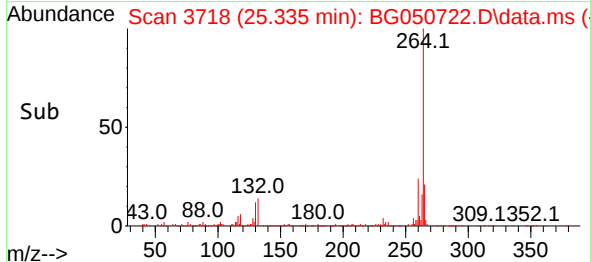
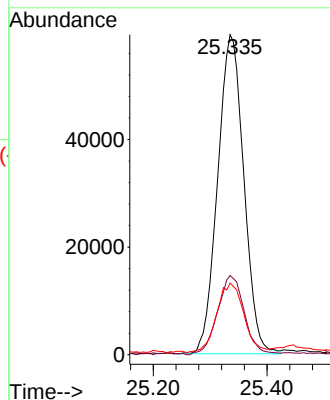
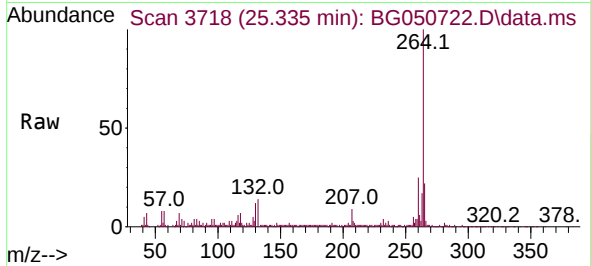




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.335 min Scan# 3718
Delta R.T. 0.002 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

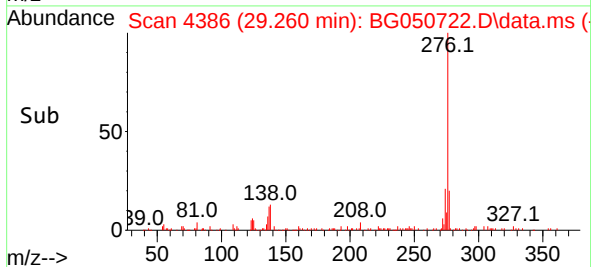
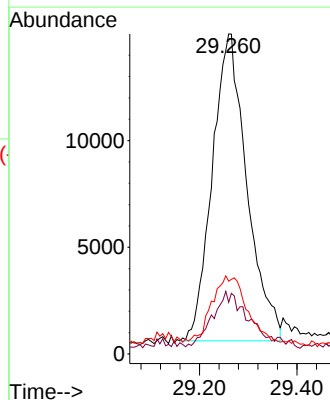
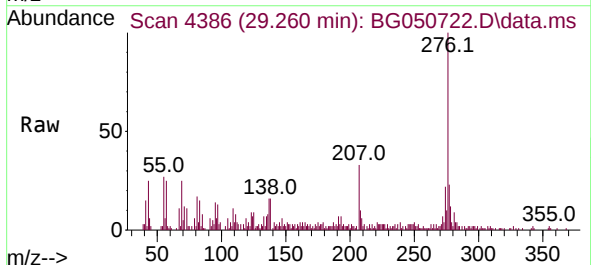
Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)DL

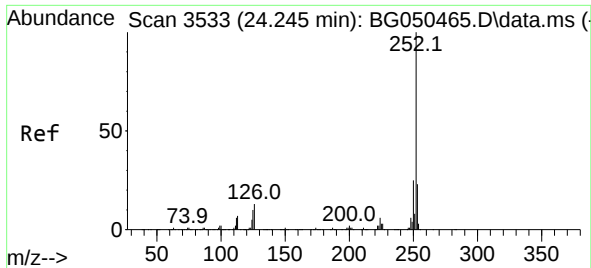
Tgt Ion:	264	Resp:	189237
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.4	29.2
265	22.3	16.9	25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.389 ng
RT: 29.260 min Scan# 4386
Delta R.T. -0.003 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

Tgt Ion:	276	Resp:	71024
Ion Ratio	Lower	Upper	
276	100		
138	18.2	5.1	7.7#
277	21.3	19.8	29.6

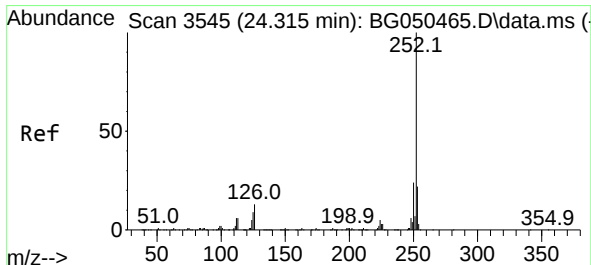
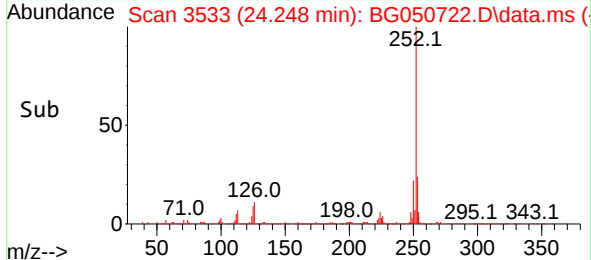
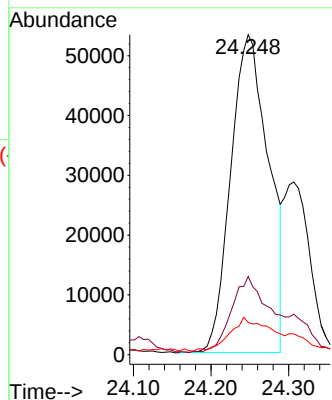
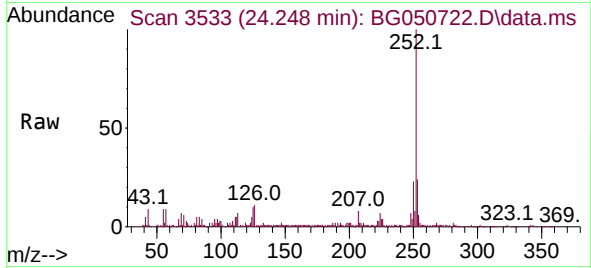




#88
Benzo(b)fluoranthene
Concen: 15.593 ng
RT: 24.248 min Scan# 3533
Delta R.T. 0.002 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

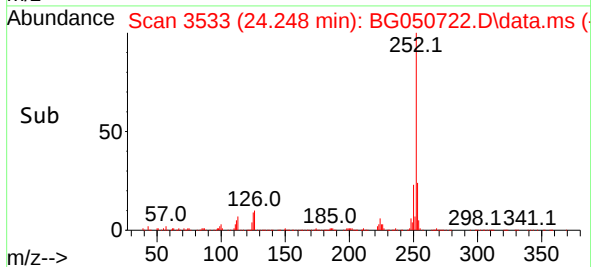
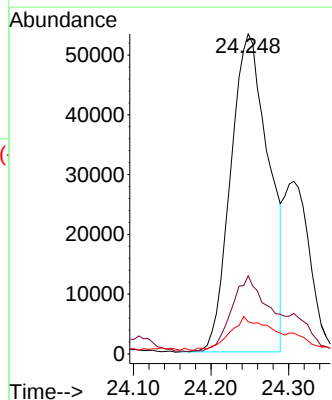
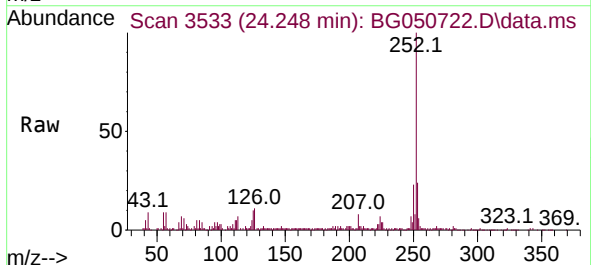
Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)DL

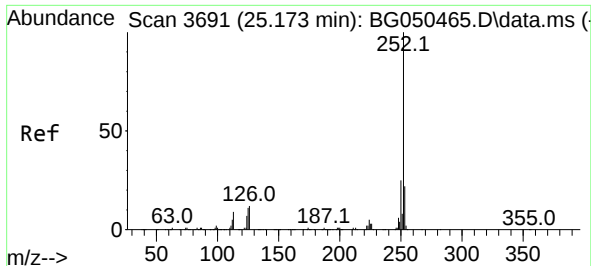
Tgt Ion:252 Resp: 180713
Ion Ratio Lower Upper
252 100
253 24.4 16.2 24.4#
125 10.1 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 15.850 ng
RT: 24.248 min Scan# 3533
Delta R.T. -0.068 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

Tgt Ion:252 Resp: 180713
Ion Ratio Lower Upper
252 100
253 24.4 18.0 27.0
125 10.1 3.1 4.7#

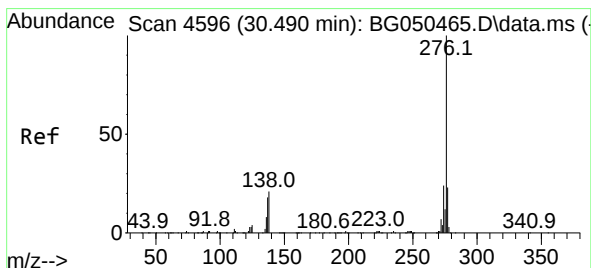
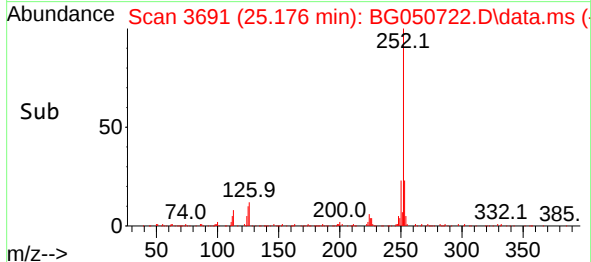
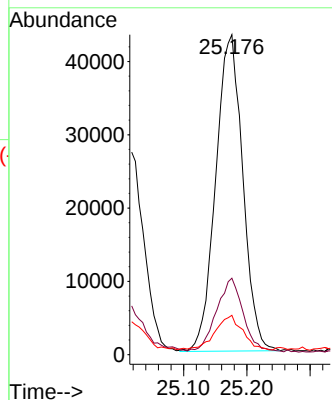
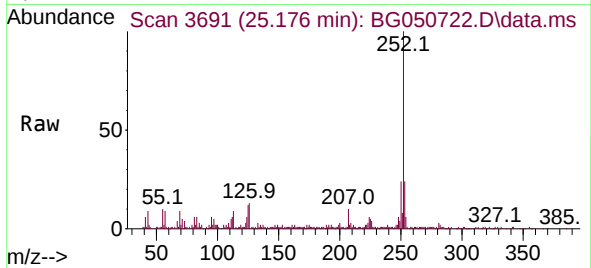




#90
Benzo(a)pyrene
Concen: 13.025 ng
RT: 25.176 min Scan# 3691
Delta R.T. 0.002 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)DL

Tgt Ion:252 Resp: 128347
Ion Ratio Lower Upper
252 100
253 23.9 16.6 25.0
125 12.3 3.5 5.3#



#92
Benzo(g,h,i)perylene
Concen: 2.668 ng
RT: 30.488 min Scan# 4595
Delta R.T. -0.009 min
Lab File: BG050722.D
Acq: 25 Oct 2021 22:53

Tgt Ion:276 Resp: 28486
Ion Ratio Lower Upper
276 100
277 27.6 18.4 27.6#
138 21.3 7.0 10.6#

