

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
 Data File : BG050701.D
 Acq On : 22 Oct 2021 23:04
 Operator : CG/JU
 Sample : M4309-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 L-1

Quant Time: Oct 23 01:46:06 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)

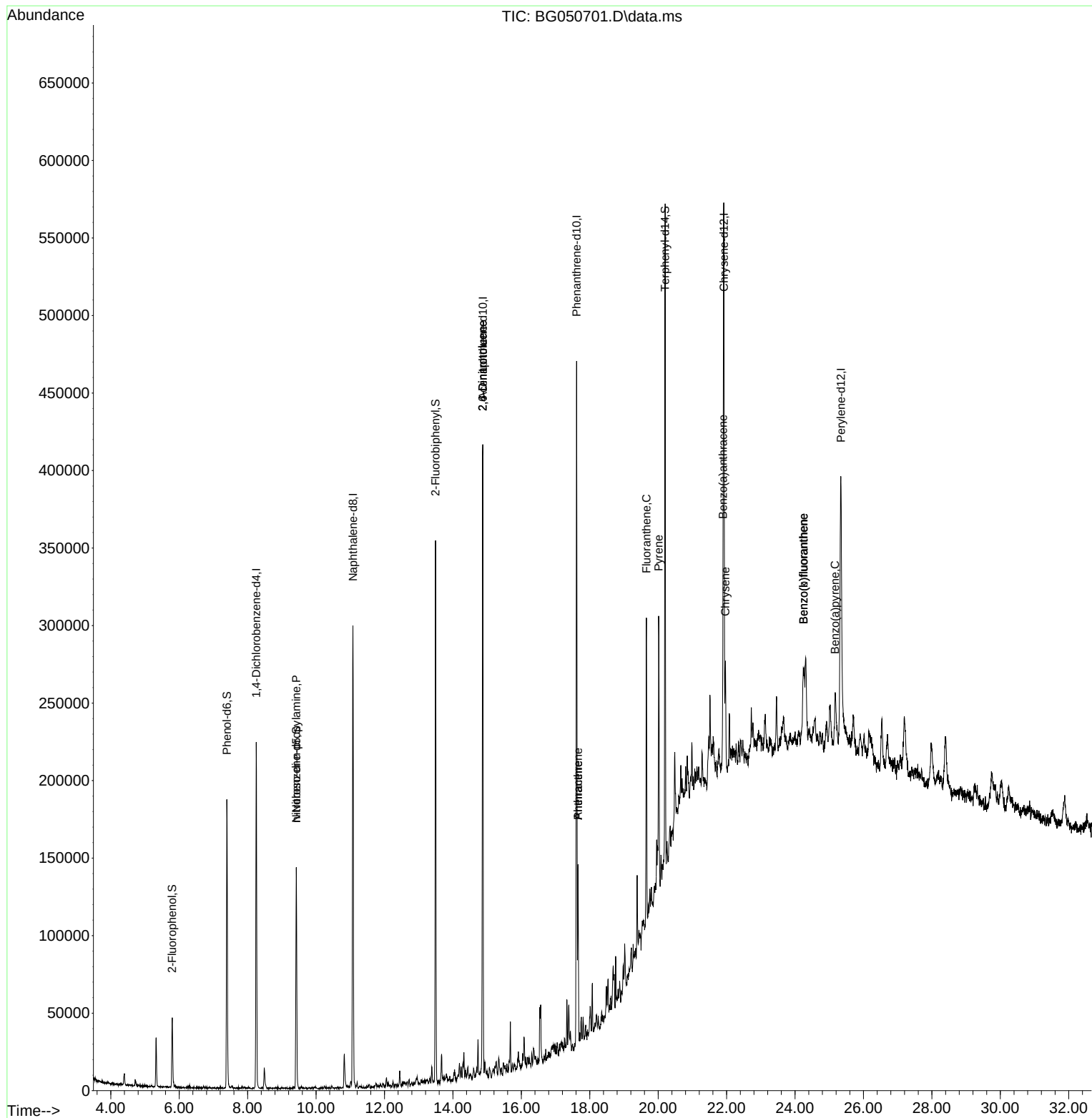
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.252	152	58542	20.000	ng	0.00
21) Naphthalene-d8	11.078	136	245032	20.000	ng	# 0.00
39) Acenaphthene-d10	14.874	164	143078	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	270184	20.000	ng	# 0.00
76) Chrysene-d12	21.918	240	220289	20.000	ng	# 0.00
86) Perylene-d12	25.344	264	203613	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	23159	5.916	ng	0.00
7) Phenol-d6	7.394	99	109570	19.333	ng	0.00
23) Nitrobenzene-d5	9.421	82	93884	15.861	ng	0.00
42) 2,4,6-Tribromophenol	16.366	330	1749	1.282	ng	0.00
45) 2-Fluorobiphenyl	13.493	172	167383	17.607	ng	-0.01
79) Terphenyl-d14	20.203	244	196869	17.416	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.400	77	306	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.421	70	13493	3.266	ng	# 73
51) 2,6-Dinitrotoluene	14.868	165	19608	9.052	ng	# 13
57) 2,4-Dinitrotoluene	14.868	165	19608	6.422	ng	# 18
71) Phenanthrene	17.659	178	65077	4.571	ng	98
72) Anthracene	17.659	178	65077	4.600	ng	97
75) Fluoranthene	19.656	202	124332	7.104	ng	95
78) Pyrene	20.015	202	107882	6.902	ng	100
81) Benzo(a)anthracene	21.895	228	47070	3.229	ng	95
83) Chrysene	21.965	228	54549	3.978	ng	# 91
88) Benzo(b)fluoranthene	24.245	252	84363	6.765	ng	# 83
89) Benzo(k)fluoranthene	24.245	252	84363	6.877	ng	# 87
90) Benzo(a)pyrene	25.167	252	38734	3.653	ng	# 81

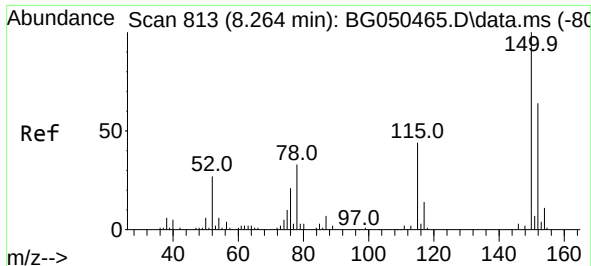
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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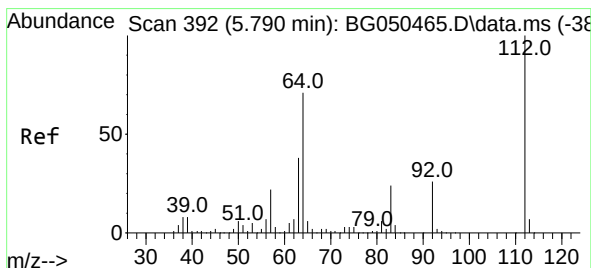
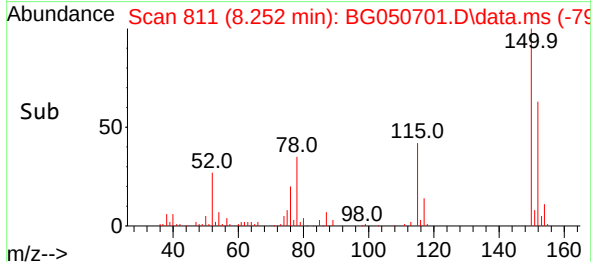
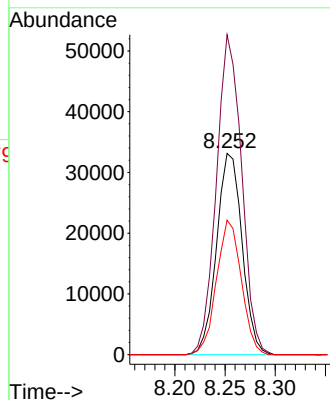
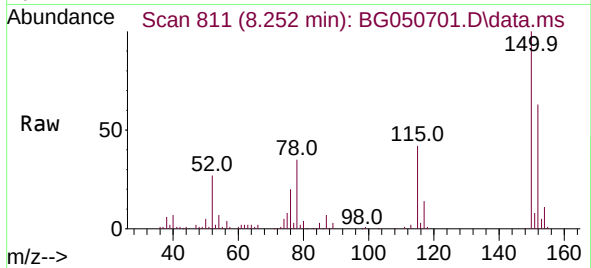




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.252 min Scan# 811
Delta R.T. -0.006 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

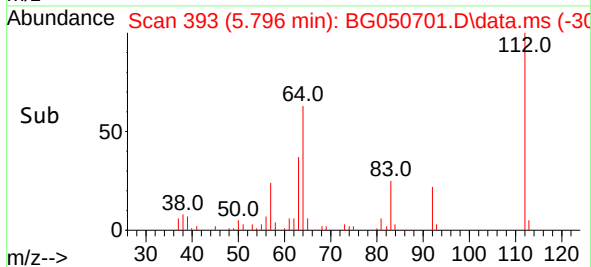
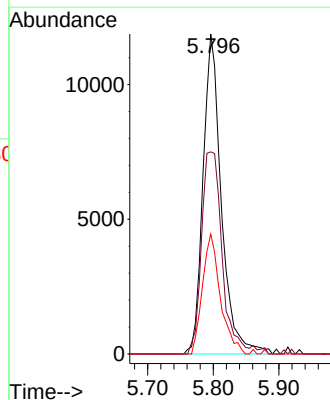
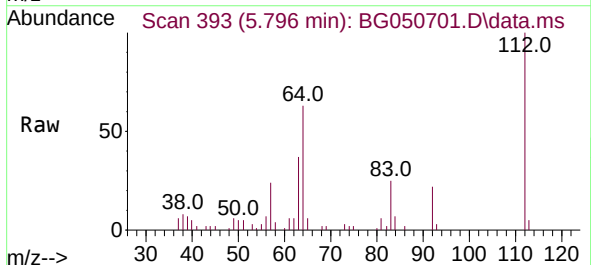
Instrument :
BNA_G
ClientSampleId :
L-1

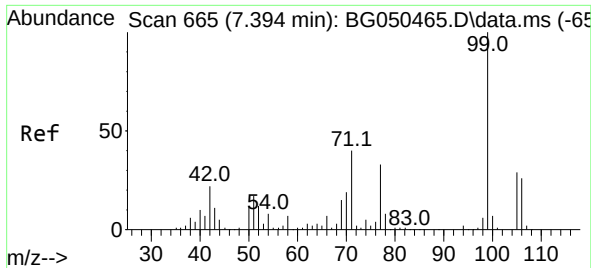
Tgt Ion:152 Resp: 58542
Ion Ratio Lower Upper
152 100
150 158.9 119.4 179.0
115 66.9 60.2 90.4



#5
2-Fluorophenol
Concen: 5.916 ng
RT: 5.796 min Scan# 393
Delta R.T. 0.005 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

Tgt Ion:112 Resp: 23159
Ion Ratio Lower Upper
112 100
64 63.2 46.7 70.1
63 37.4 35.3 52.9

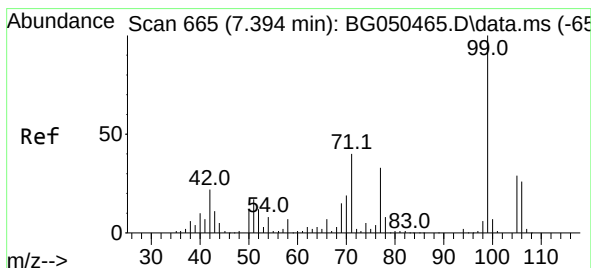
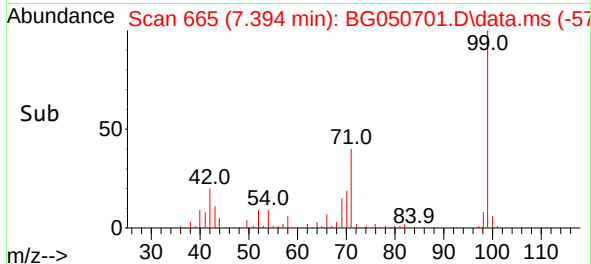
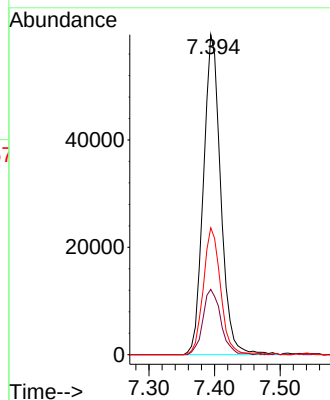
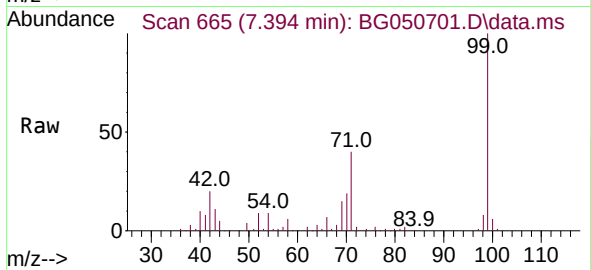




#7
Phenol-d6
Concen: 19.333 ng
RT: 7.394 min Scan# 665
Delta R.T. -0.006 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

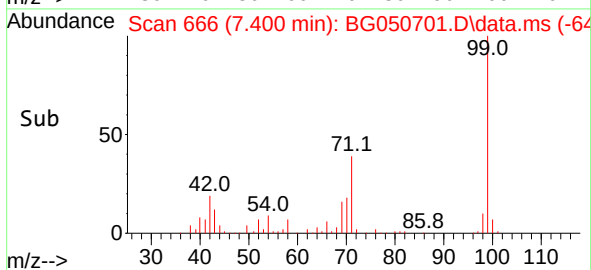
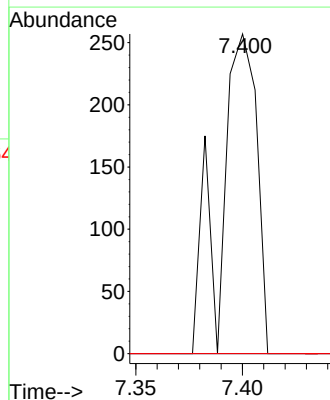
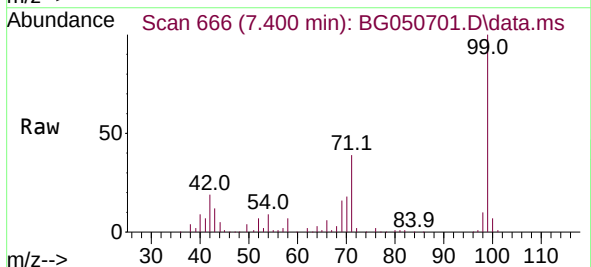
Instrument :
BNA_G
ClientSampleId :
L-1

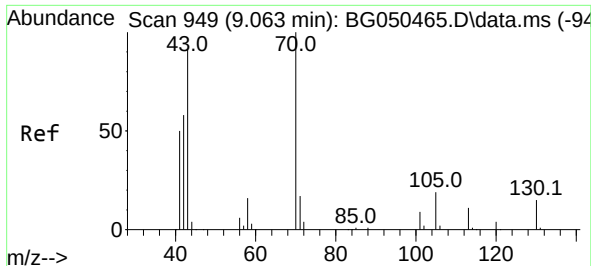
Tgt Ion: 99 Resp: 109570
Ion Ratio Lower Upper
99 100
42 20.4 20.5 30.7#
71 39.7 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.400 min Scan# 666
Delta R.T. 0.011 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

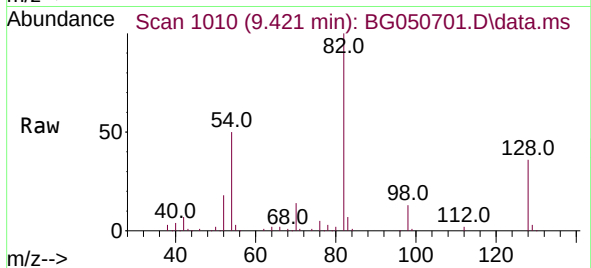
Tgt Ion: 77 Resp: 306
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#



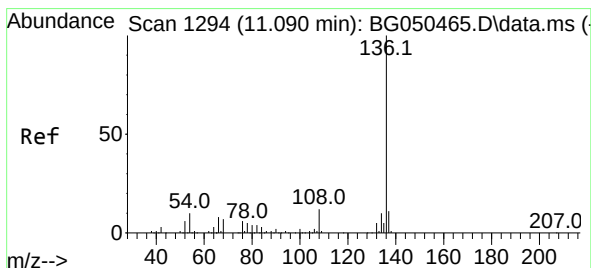
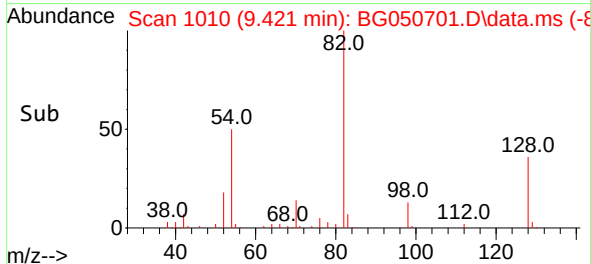
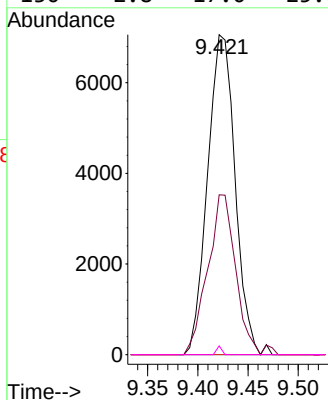


#19
n-Nitroso-di-n-propylamine
Concen: 3.266 ng
RT: 9.421 min Scan# 1010
Delta R.T. 0.364 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

Instrument :
BNA_G
ClientSampled :
L-1

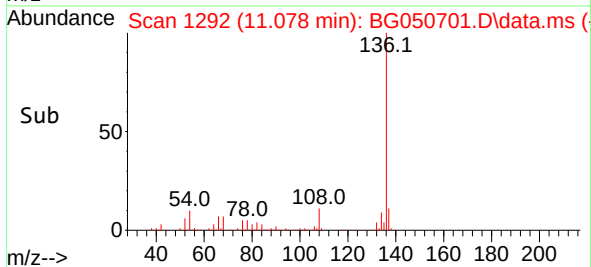
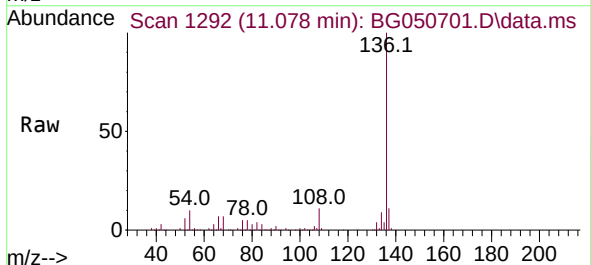
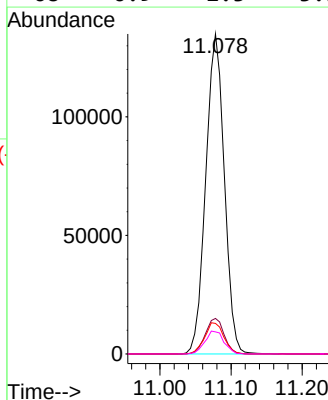


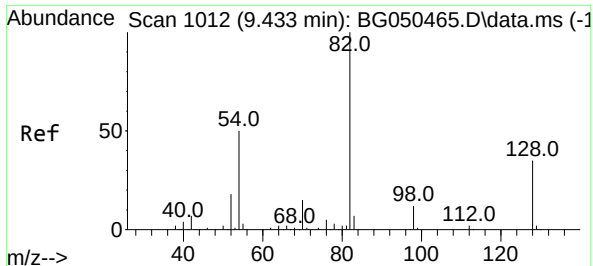
Tgt Ion:	70	Resp:	13493
Ion Ratio	100	Lower	Upper
42	49.9	54.5	81.7#
101	0.0	9.0	13.6#
130	2.8	17.0	25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.078 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

Tgt Ion:	136	Resp:	245032
Ion Ratio	100	Lower	Upper
137	11.1	8.2	12.2
54	9.6	5.5	8.3#
68	6.9	2.3	3.5#

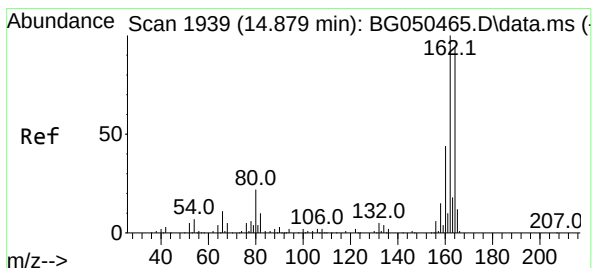
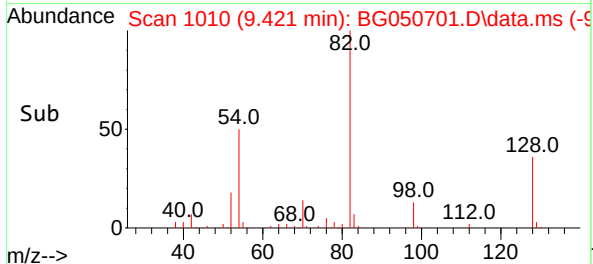
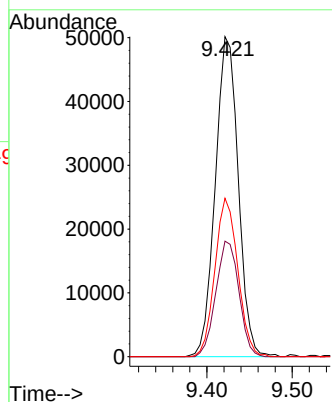
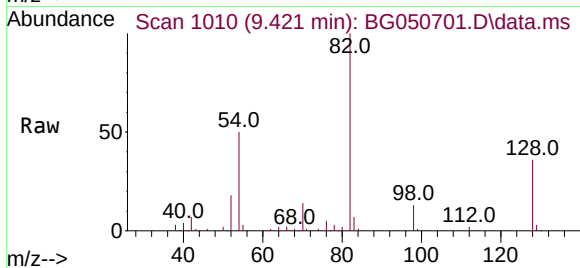




#23
Nitrobenzene-d5
Concen: 15.861 ng
RT: 9.421 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

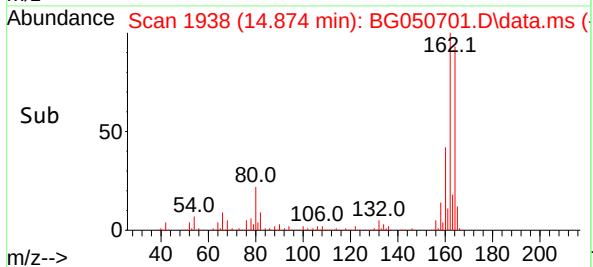
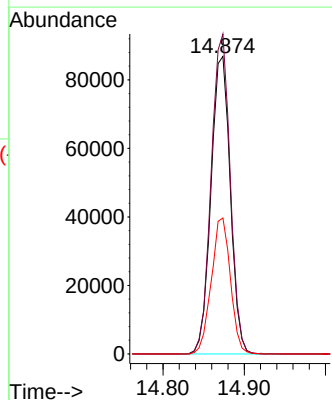
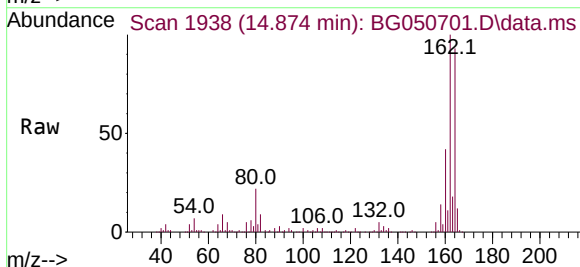
Instrument :
BNA_G
ClientSampleId :
L-1

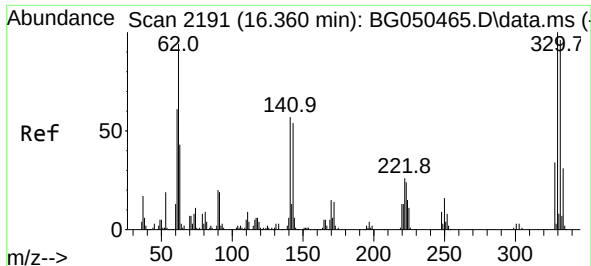
Tgt Ion:	82	Resp:	93884
Ion Ratio	Lower	Upper	
82	100		
128	36.1	29.8	44.6
54	49.5	45.8	68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.874 min Scan# 1938
Delta R.T. -0.000 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

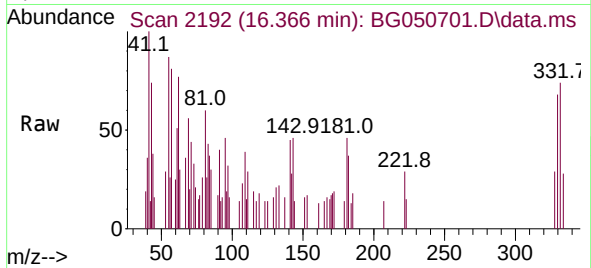
Tgt Ion:	164	Resp:	143078
Ion Ratio	Lower	Upper	
164	100		
162	107.5	81.4	122.0
160	45.7	34.9	52.3



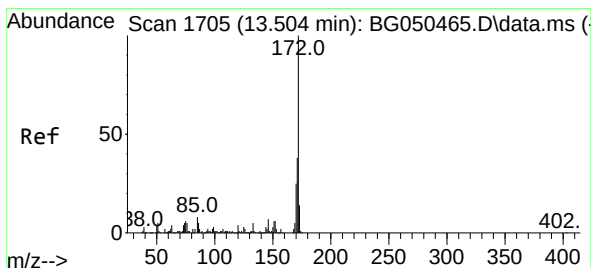
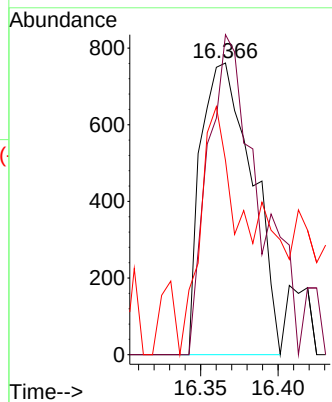
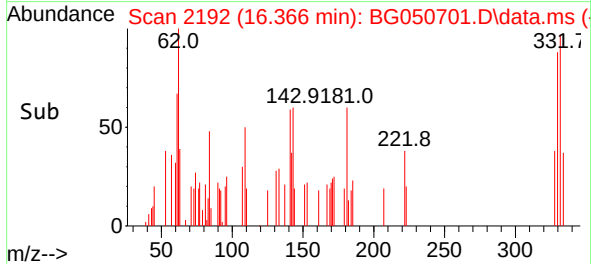


#42
2,4,6-Tribromophenol
Concen: 1.282 ng
RT: 16.366 min Scan# 2192
Delta R.T. 0.005 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

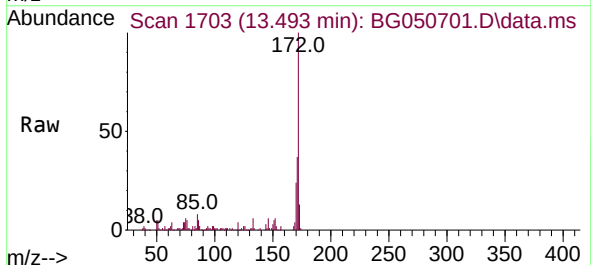
Instrument :
BNA_G
ClientSampled :
L-1



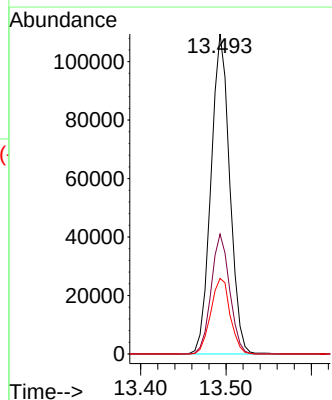
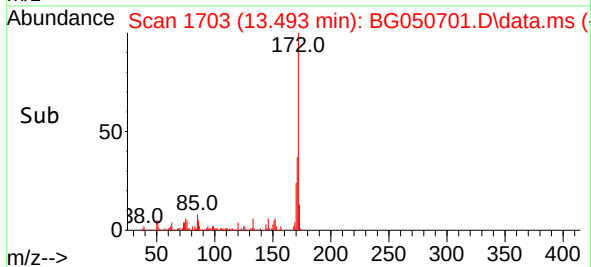
Tgt Ion:330 Resp: 1749
Ion Ratio Lower Upper
330 100
332 108.3 77.3 115.9
141 62.9 35.6 53.4#

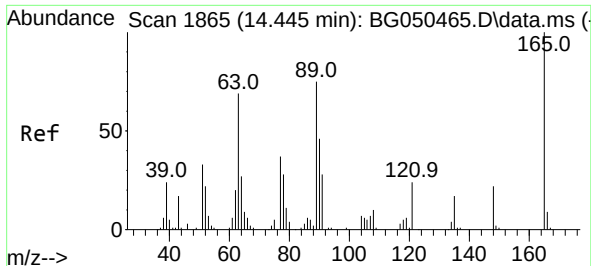


#45
2-Fluorobiphenyl
Concen: 17.607 ng
RT: 13.493 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04



Tgt Ion:172 Resp: 167383
Ion Ratio Lower Upper
172 100
171 37.4 28.6 43.0
170 23.6 18.6 27.8

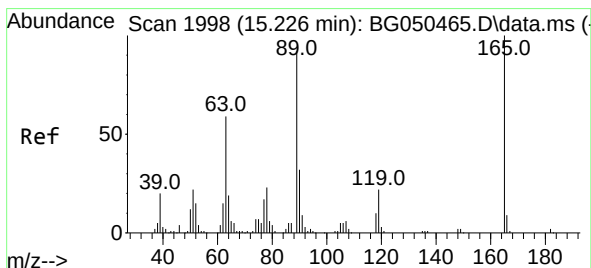
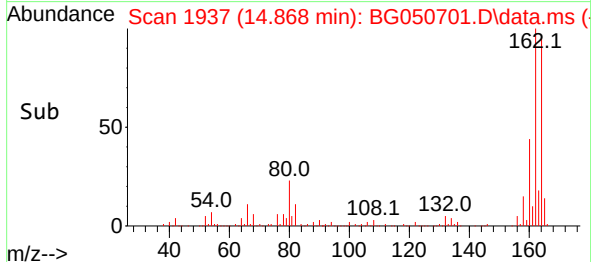
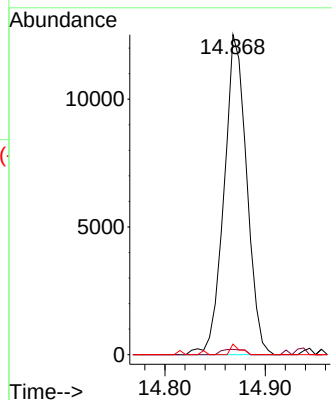
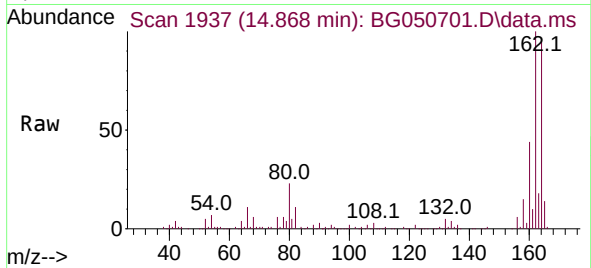




#51
2,6-Dinitrotoluene
Concen: 9.052 ng
RT: 14.868 min Scan# 1937
Delta R.T. 0.423 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

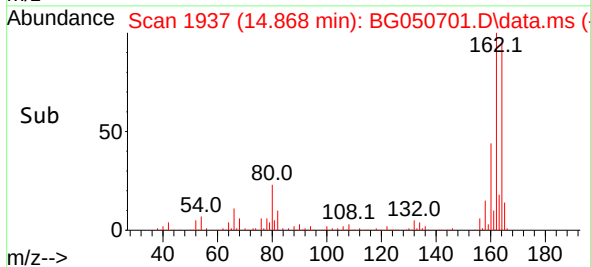
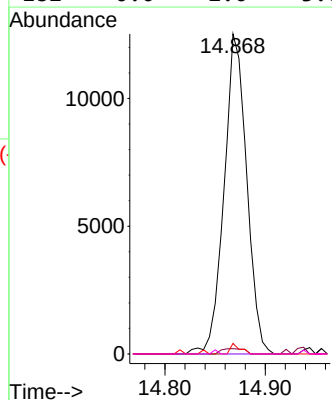
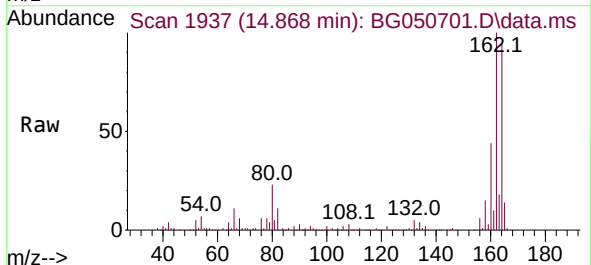
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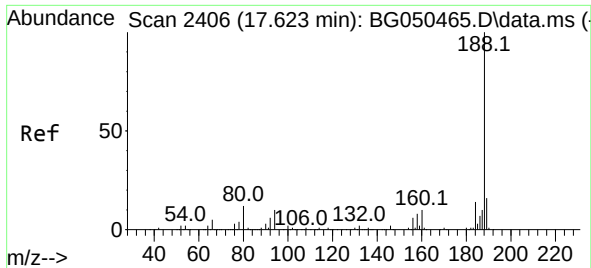
Tgt Ion:165 Resp: 19608
Ion Ratio Lower Upper
165 100
63 1.7 63.3 94.9#
89 3.3 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.422 ng
RT: 14.868 min Scan# 1937
Delta R.T. -0.359 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

Tgt Ion:165 Resp: 19608
Ion Ratio Lower Upper
165 100
63 1.7 48.0 72.0#
89 3.3 65.4 98.0#
182 0.0 2.0 3.0#

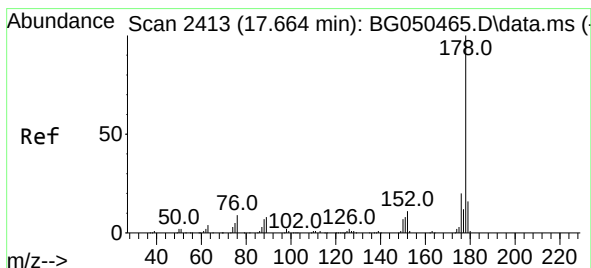
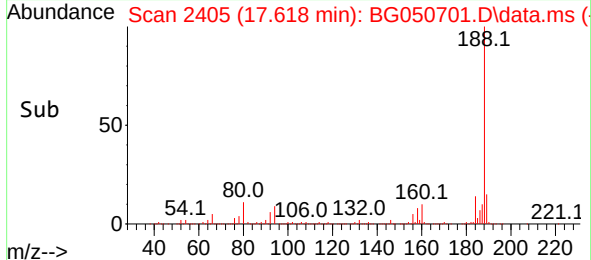
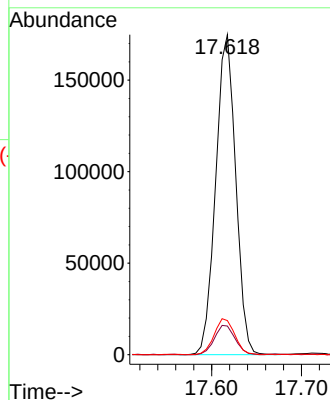
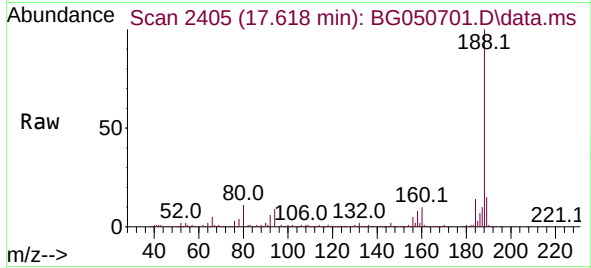




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.618 min Scan# 2405
Delta R.T. -0.000 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

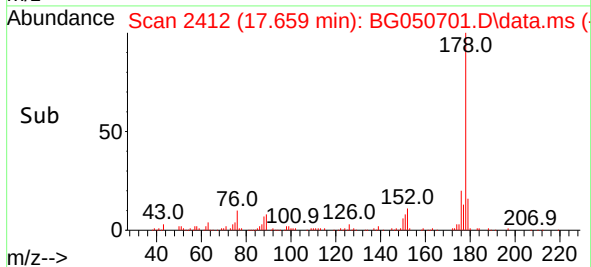
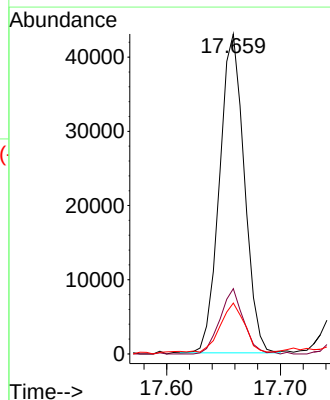
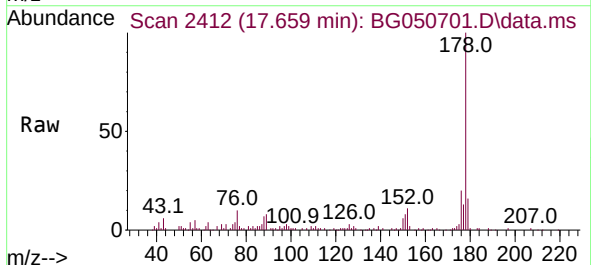
Instrument :
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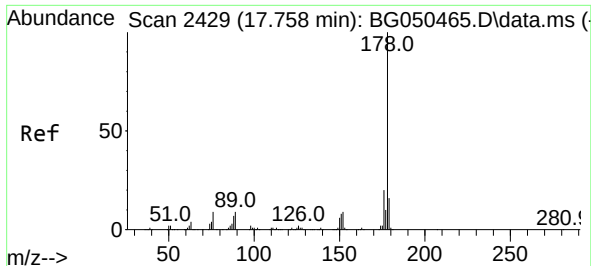
Tgt Ion:188 Resp: 270184
Ion Ratio Lower Upper
188 100
94 9.0 5.4 8.0#
80 10.7 3.7 5.5#



#71
Phenanthrene
Concen: 4.571 ng
RT: 17.659 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

Tgt Ion:178 Resp: 65077
Ion Ratio Lower Upper
178 100
176 20.4 16.0 24.0
179 15.9 14.2 21.4

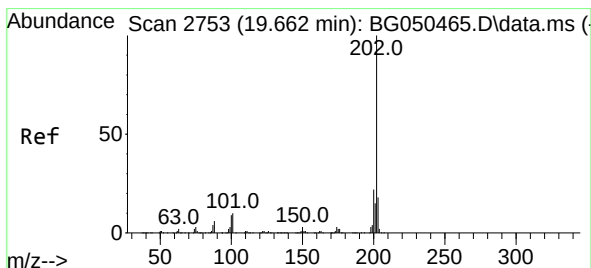
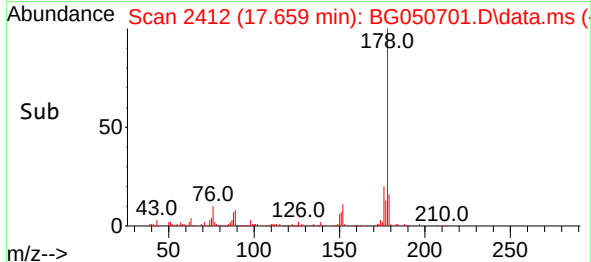
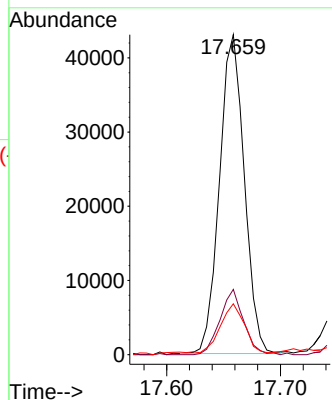
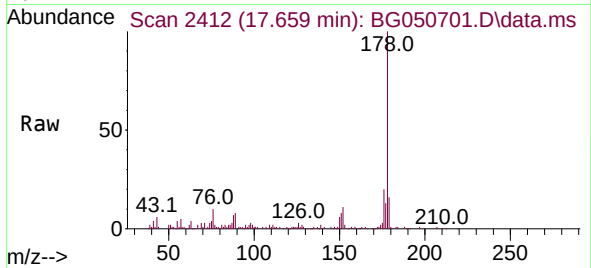




#72
 Anthracene
 Concen: 4.600 ng
 RT: 17.659 min Scan# 2412
 Delta R.T. -0.094 min
 Lab File: BG050701.D
 Acq: 22 Oct 2021 23:04

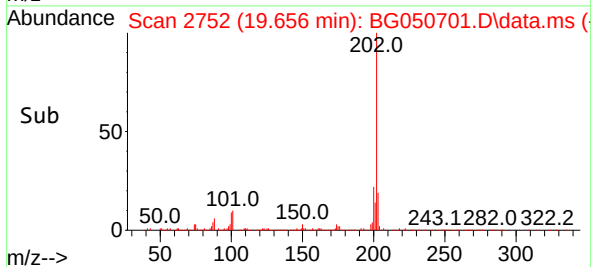
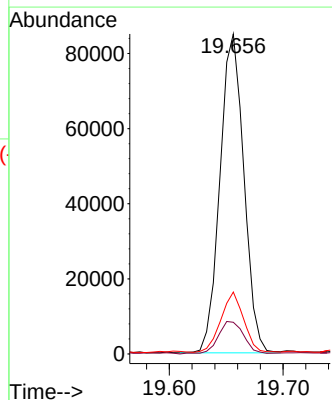
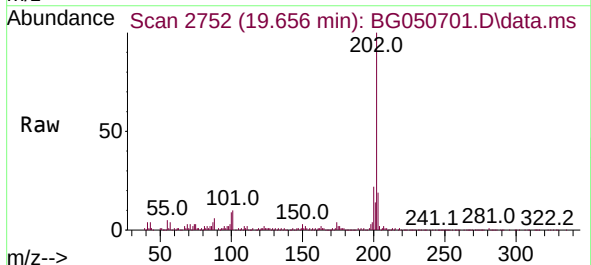
Instrument :
 BNA_G
 ClientSampleId :
 L-1

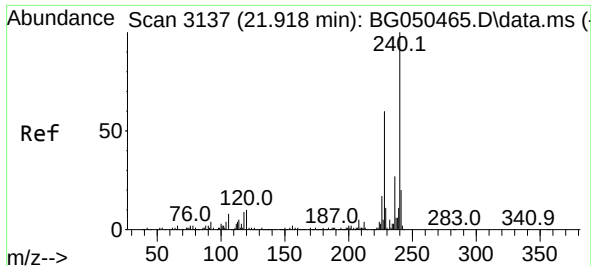
Tgt Ion:178 Resp: 65077
 Ion Ratio Lower Upper
 178 100
 176 20.4 14.6 21.8
 179 15.9 13.4 20.0



#75
 Fluoranthene
 Concen: 7.104 ng
 RT: 19.656 min Scan# 2752
 Delta R.T. -0.006 min
 Lab File: BG050701.D
 Acq: 22 Oct 2021 23:04

Tgt Ion:202 Resp: 124332
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 24.7
 203 19.4 0.0 38.5

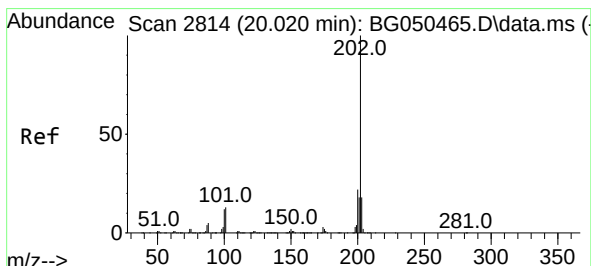
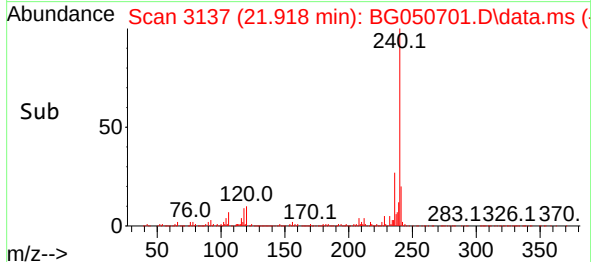
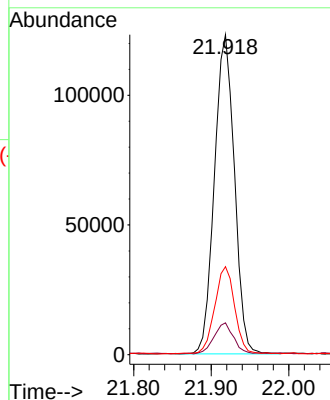
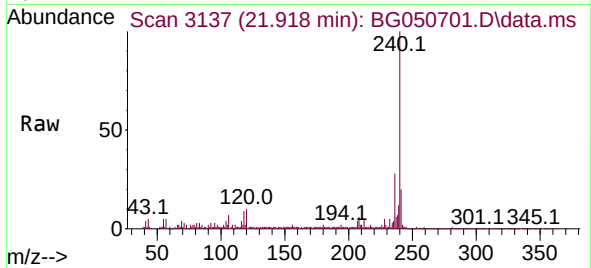




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.918 min Scan# 3137
Delta R.T. -0.006 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

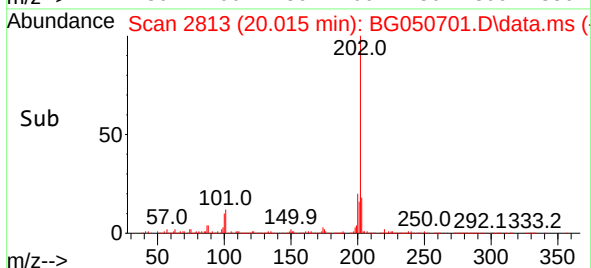
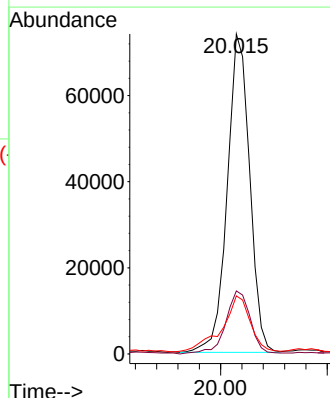
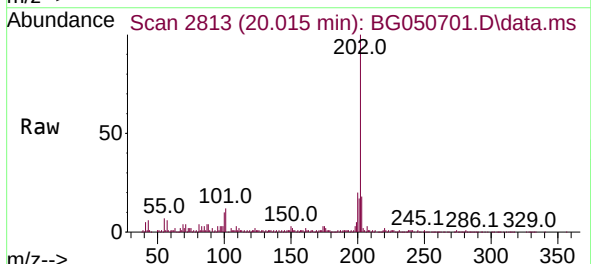
Instrument :
BNA_G
ClientSampleId :
L-1

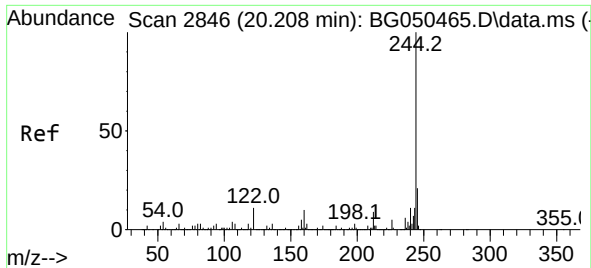
Tgt Ion:240 Resp: 220289
Ion Ratio Lower Upper
240 100
120 9.9 4.2 6.2#
236 27.5 21.8 32.6



#78
Pyrene
Concen: 6.902 ng
RT: 20.015 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

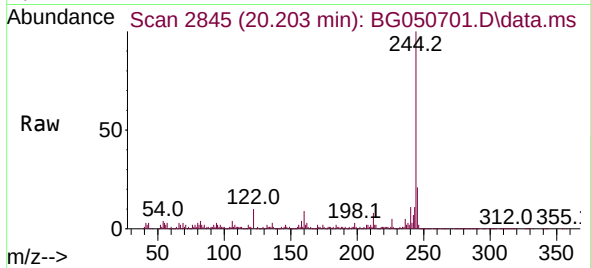
Tgt Ion:202 Resp: 107882
Ion Ratio Lower Upper
202 100
200 19.7 15.8 23.8
203 18.2 14.6 21.8



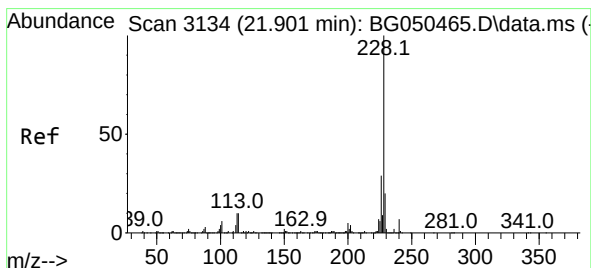
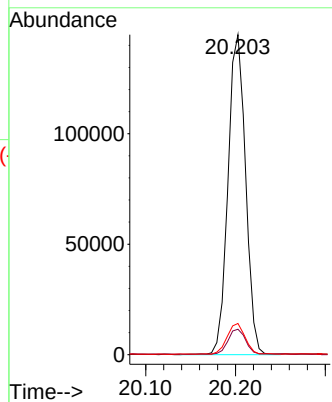
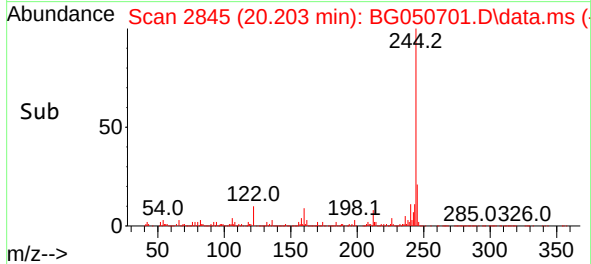


#79
 Terphenyl-d14
 Concen: 17.416 ng
 RT: 20.203 min Scan# 2845
 Delta R.T. -0.006 min
 Lab File: BG050701.D
 Acq: 22 Oct 2021 23:04

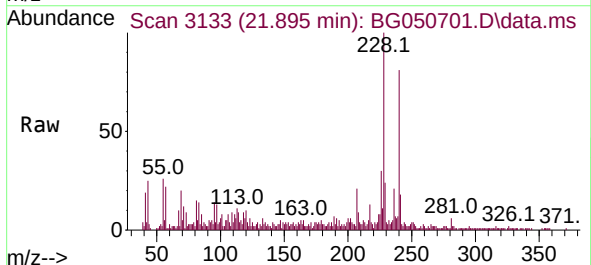
Instrument :
 BNA_G
 ClientSampled :
 L-1



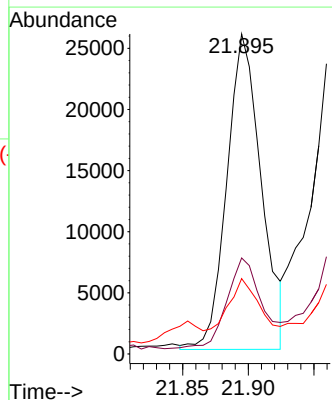
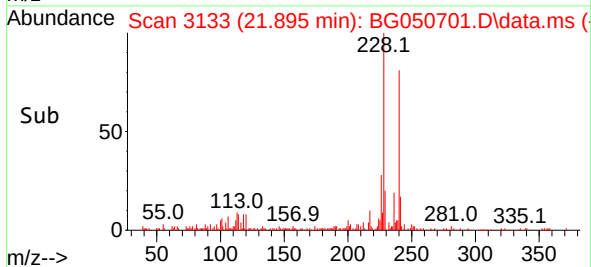
Tgt Ion:244 Resp: 196869
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.9 10.3
 122 9.8 5.0 7.6#

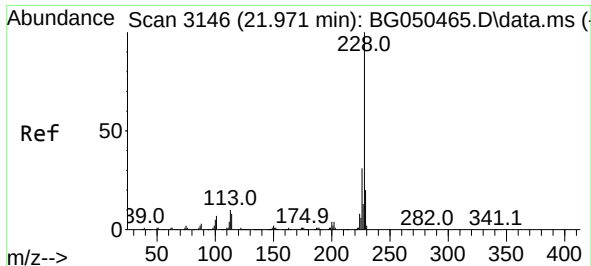


#81
 Benzo(a)anthracene
 Concen: 3.229 ng
 RT: 21.895 min Scan# 3133
 Delta R.T. -0.006 min
 Lab File: BG050701.D
 Acq: 22 Oct 2021 23:04



Tgt Ion:228 Resp: 47070
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.7 34.1
 229 23.5 16.0 24.0

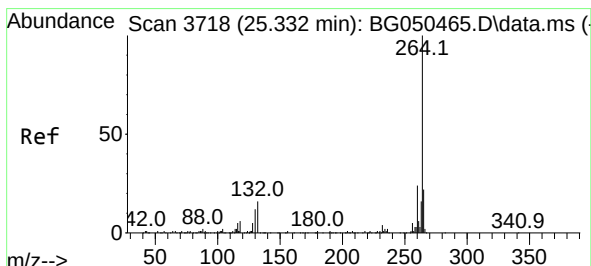
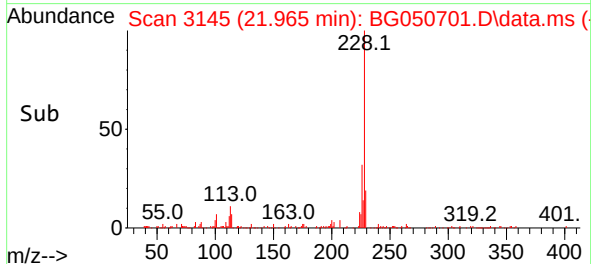
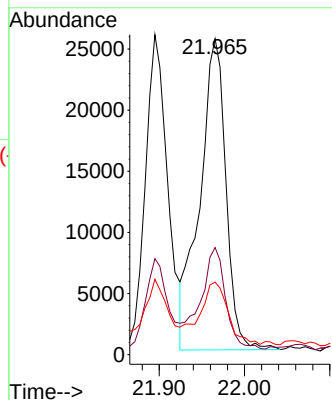
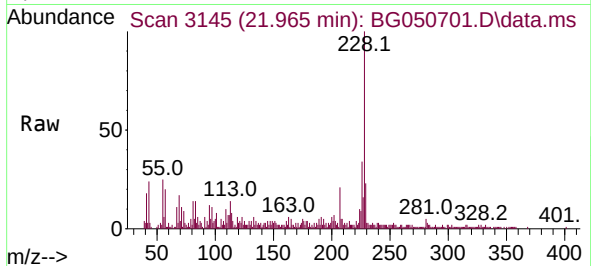




#83
Chrysene
Concen: 3.978 ng
RT: 21.965 min Scan# 3145
Delta R.T. -0.006 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

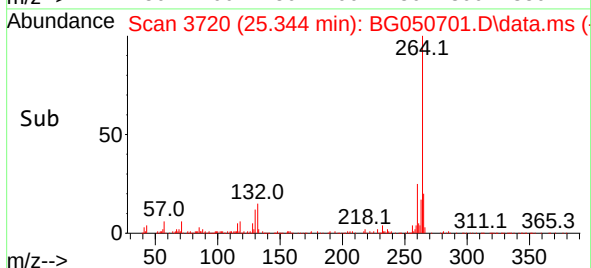
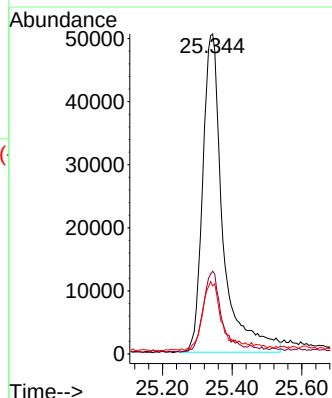
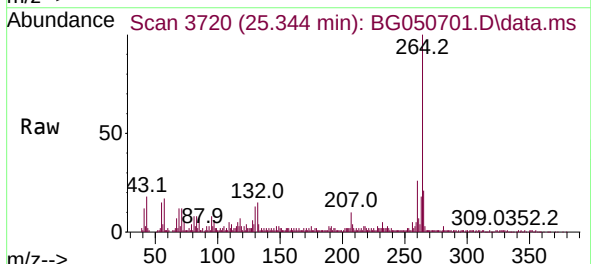
Instrument :
BNA_G
ClientSampleId :
L-1

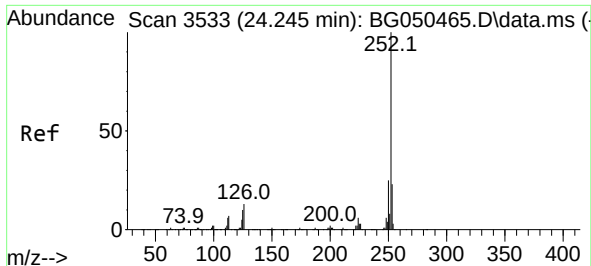
Tgt Ion:228 Resp: 54549
Ion Ratio Lower Upper
228 100
226 33.9 23.1 34.7
229 23.0 15.3 22.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.344 min Scan# 3720
Delta R.T. 0.011 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

Tgt Ion:264 Resp: 203613
Ion Ratio Lower Upper
264 100
260 25.9 19.4 29.2
265 21.3 16.9 25.3

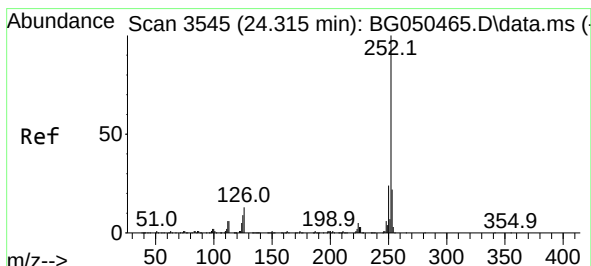
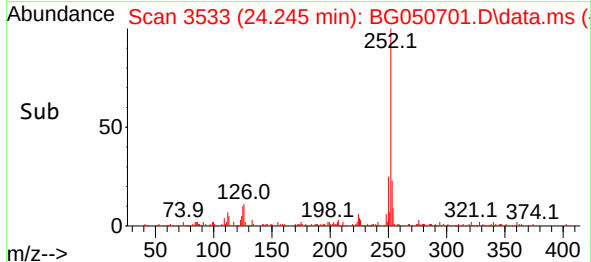
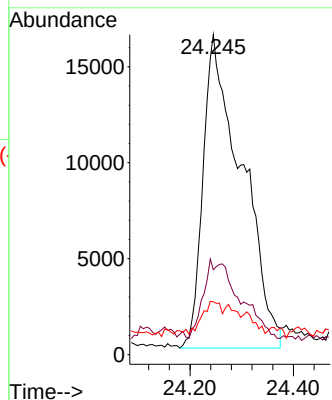
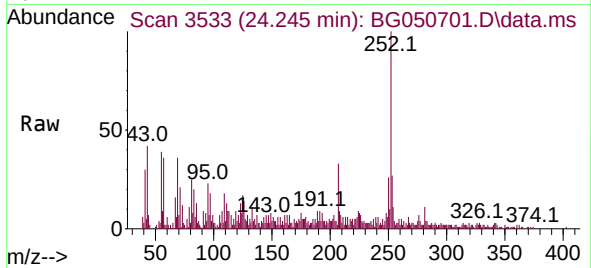




#88
Benzo(b)fluoranthene
Concen: 6.765 ng
RT: 24.245 min Scan# 3533
Delta R.T. -0.000 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

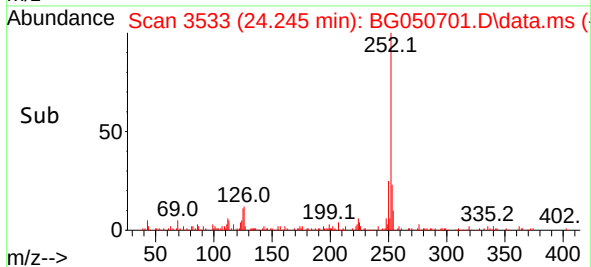
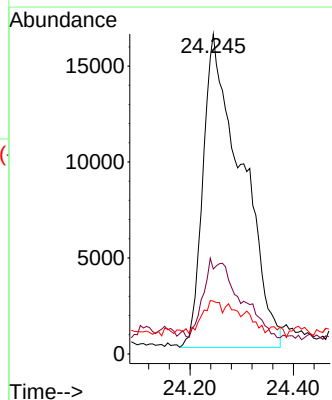
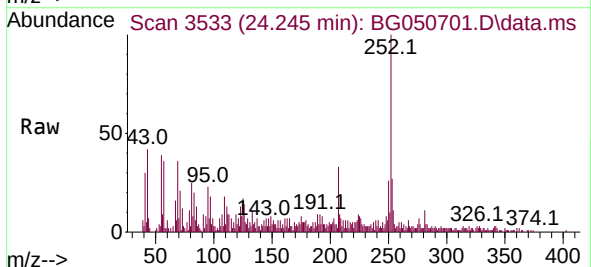
Instrument :
BNA_G
ClientSampled :
L-1

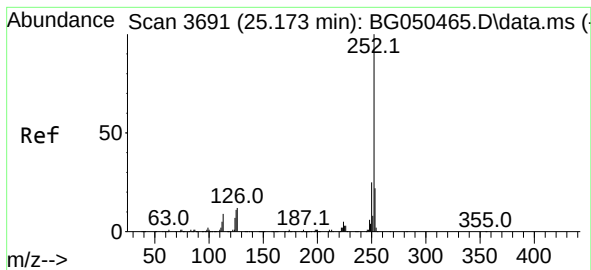
Tgt Ion:252 Resp: 84363
Ion Ratio Lower Upper
252 100
253 26.5 16.2 24.4#
125 16.5 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 6.877 ng
RT: 24.245 min Scan# 3533
Delta R.T. -0.071 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

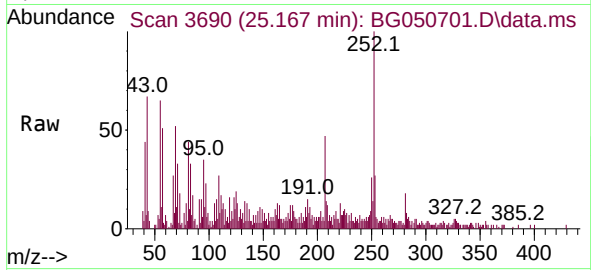
Tgt Ion:252 Resp: 84363
Ion Ratio Lower Upper
252 100
253 26.5 18.0 27.0
125 16.5 3.1 4.7#





#90
Benzo(a)pyrene
Concen: 3.653 ng
RT: 25.167 min Scan# 3690
Delta R.T. -0.006 min
Lab File: BG050701.D
Acq: 22 Oct 2021 23:04

Instrument :
BNA_G
ClientSampleId :
L-1



Tgt Ion:252 Resp: 38734
Ion Ratio Lower Upper
252 100
253 27.0 16.6 25.0#
125 19.3 3.5 5.3#

