

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
 Data File : BG054130.D
 Acq On : 28 Jun 2022 23:26
 Operator : CG/JU
 Sample : N3488-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-7-0-2-20220623

Quant Time: Jun 29 02:00:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

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

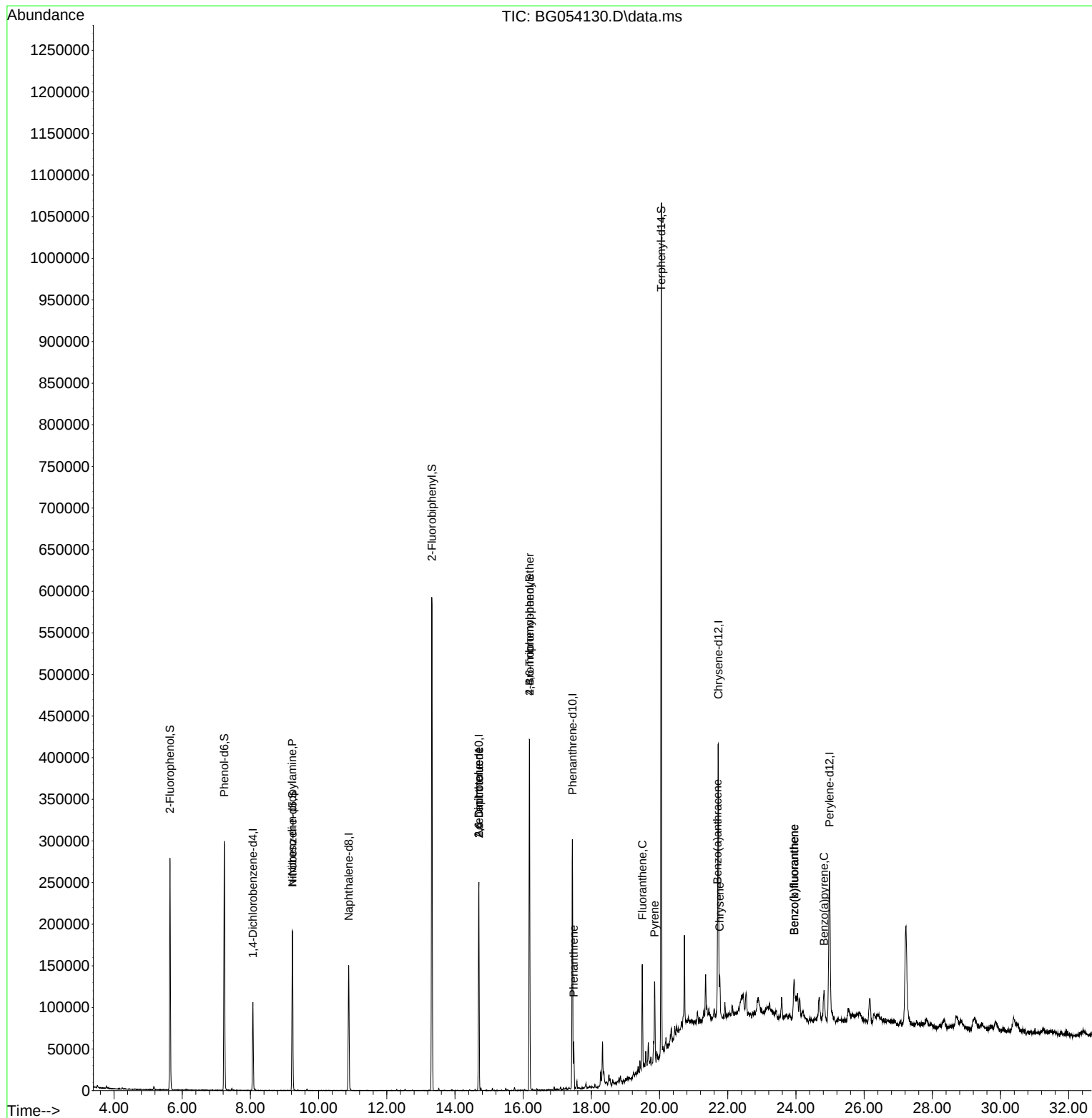
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.071	152	33640	20.000	ng	0.00
21) Naphthalene-d8	10.880	136	139813	20.000	ng	0.00
39) Acenaphthene-d10	14.699	164	96302	20.000	ng	0.00
64) Phenanthrene-d10	17.443	188	212969	20.000	ng	0.00
76) Chrysene-d12	21.720	240	211783	20.000	ng	0.00
86) Perylene-d12	24.981	264	223010	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.639	112	133772	76.029	ng	0.00
7) Phenol-d6	7.231	99	187651	78.617	ng	0.00
23) Nitrobenzene-d5	9.235	82	127496	51.246	ng	0.00
42) 2,4,6-Tribromophenol	16.185	330	104200	67.345	ng	0.00
45) 2-Fluorobiphenyl	13.324	172	347692	52.501	ng	0.00
79) Terphenyl-d14	20.052	244	579239	55.086	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.229	70	16794	10.473	ng	# 86
51) 2,6-Dinitrotoluene	14.699	165	13543	9.139	ng	# 16
57) 2,4-Dinitrotoluene	14.699	165	13543	6.471	ng	# 21
67) 4-Bromophenyl-phenylether	16.185	248	6737	2.533	ng	# 1
71) Phenanthrene	17.484	178	38800	3.546	ng	98
75) Fluoranthene	19.493	202	77995	5.430	ng	98
78) Pyrene	19.852	202	68610	5.364	ng	99
81) Benzo(a)anthracene	21.697	228	43386	3.164	ng	97
83) Chrysene	21.761	228	41736	3.193	ng	96
88) Benzo(b)fluoranthene	23.947	252	67736	4.995	ng	# 93
89) Benzo(k)fluoranthene	23.947	252	67736	5.045	ng	# 94
90) Benzo(a)pyrene	24.822	252	43547	3.806	ng	# 97

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

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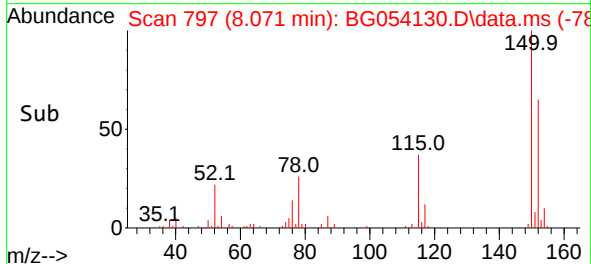
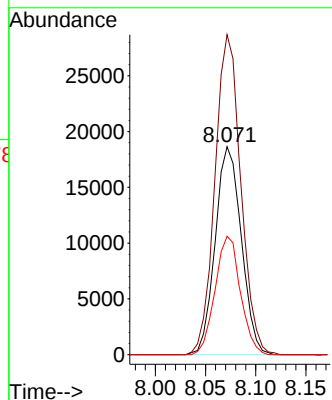
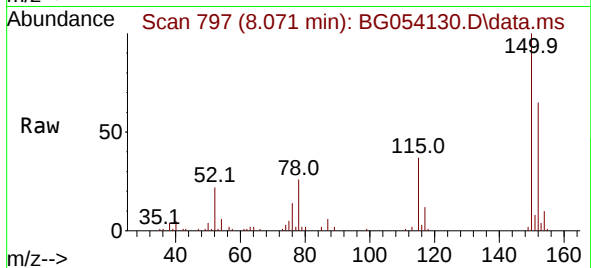




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.071 min Scan# 79
Delta R.T. 0.001 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

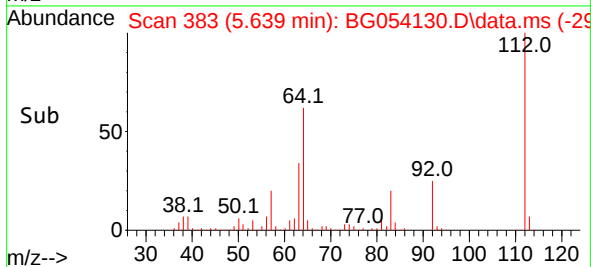
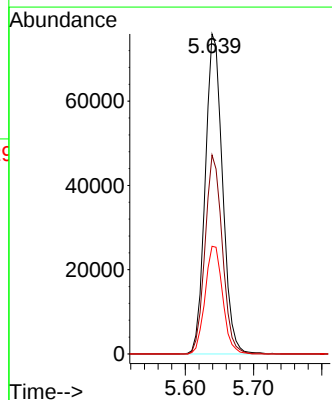
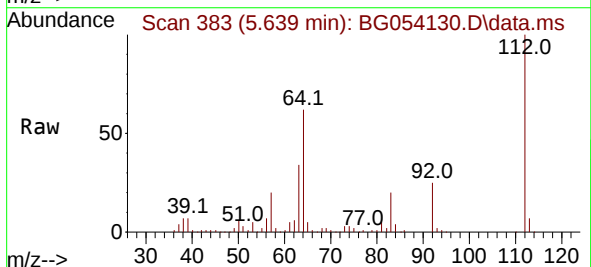
Instrument :
BNA_G
ClientSampleId :
SB-7-0-2-20220623

Tgt Ion:152 Resp: 33640
Ion Ratio Lower Upper
152 100
150 153.8 131.6 197.4
115 56.9 50.9 76.3



#5
2-Fluorophenol
Concen: 76.029 ng
RT: 5.639 min Scan# 383
Delta R.T. 0.001 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

Tgt Ion:112 Resp: 133772
Ion Ratio Lower Upper
112 100
64 62.2 55.1 82.7
63 33.7 30.4 45.6

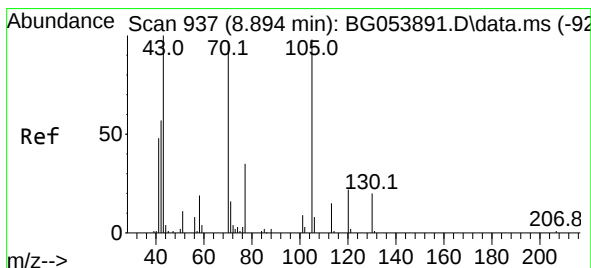
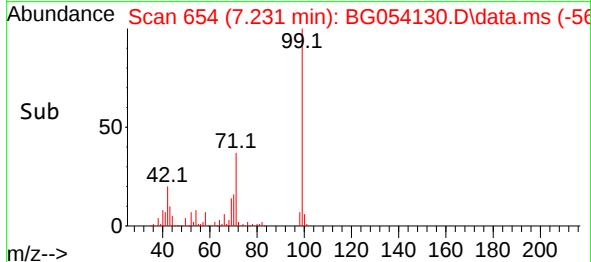
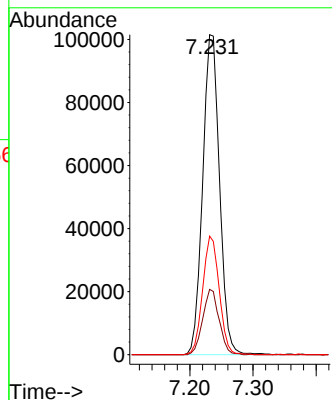
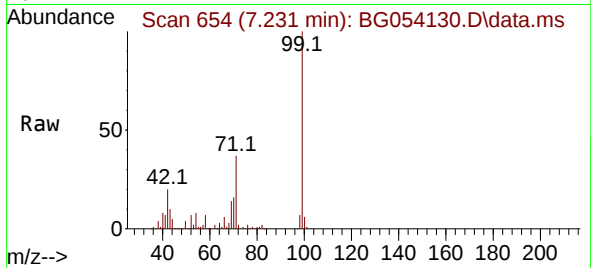




#7
Phenol-d6
Concen: 78.617 ng
RT: 7.231 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

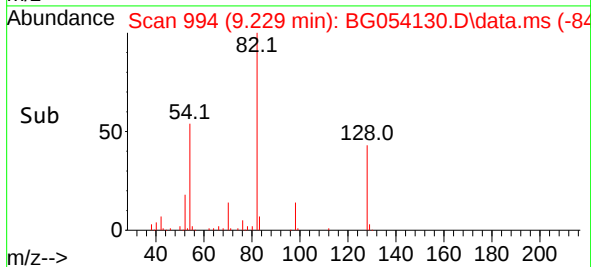
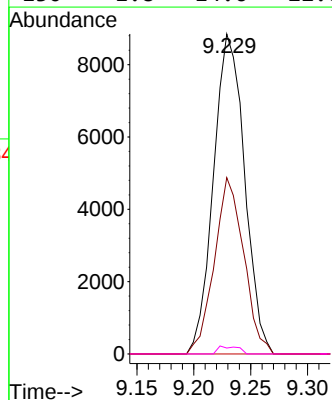
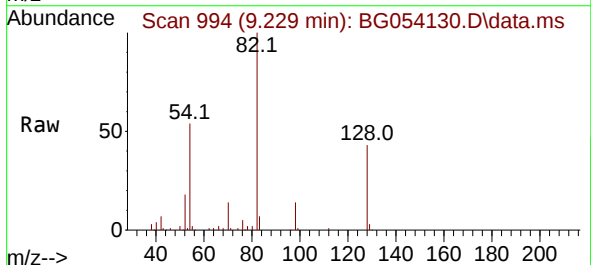
Instrument :
BNA_G
ClientSampleId :
SB-7-0-2-20220623

Tgt Ion: 99 Resp: 187651
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.6
71 37.1 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.473 ng
RT: 9.229 min Scan# 994
Delta R.T. 0.354 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

Tgt Ion: 70 Resp: 16794
Ion Ratio Lower Upper
70 100
42 55.1 47.3 70.9
101 0.0 7.0 10.4#
130 1.8 14.6 22.0#

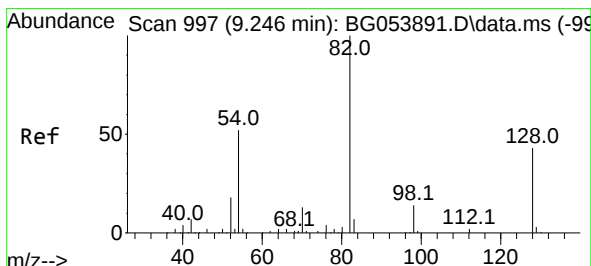
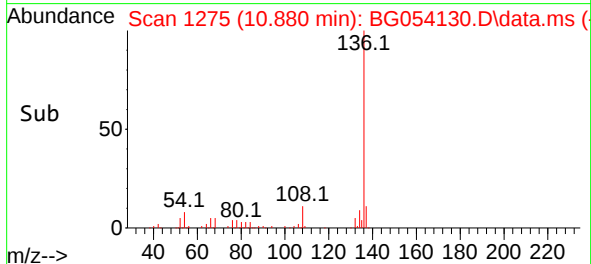
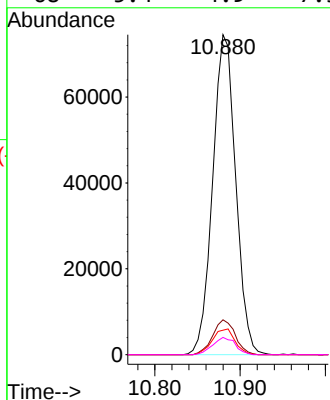
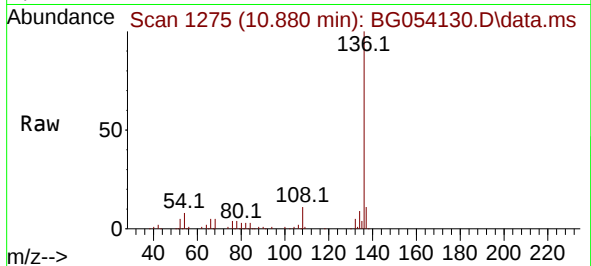




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.880 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

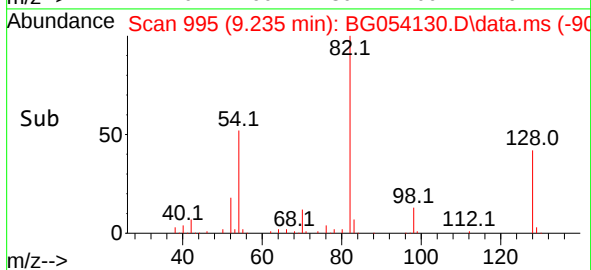
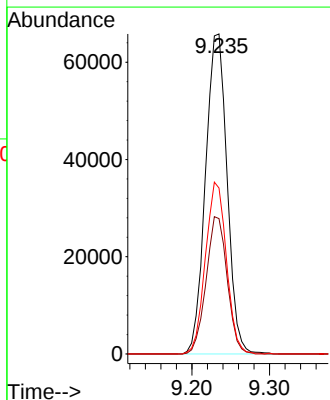
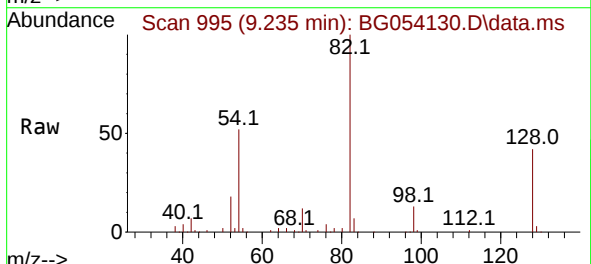
Instrument :
BNA_G
ClientSampleId :
SB-7-0-2-20220623

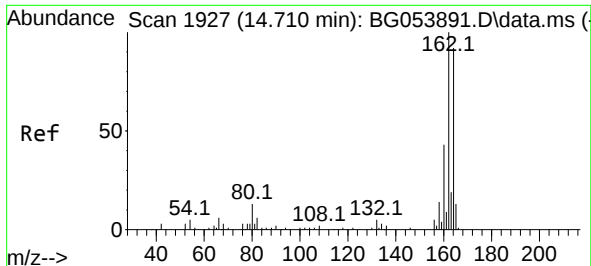
Tgt Ion:	136	Resp:	139813
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	7.6	7.4	11.2
68	5.4	4.9	7.3



#23
Nitrobenzene-d5
Concen: 51.246 ng
RT: 9.235 min Scan# 995
Delta R.T. 0.001 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

Tgt Ion:	82	Resp:	127496
Ion Ratio	Lower	Upper	
82	100		
128	42.3	27.9	41.9#
54	51.8	41.2	61.8

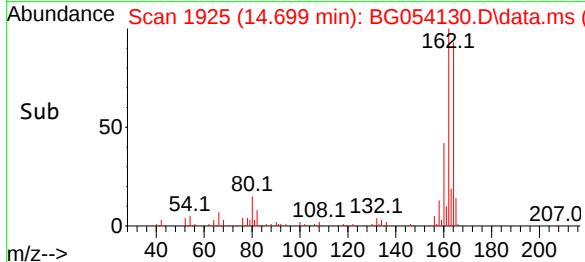
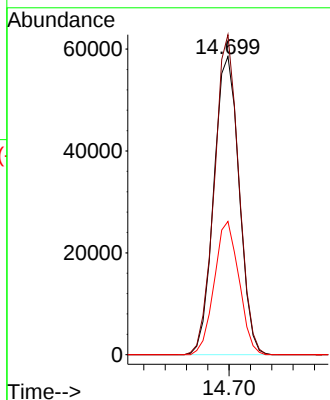
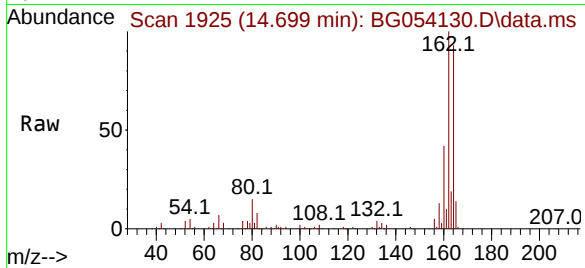




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.699 min Scan# 1925
Delta R.T. 0.001 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

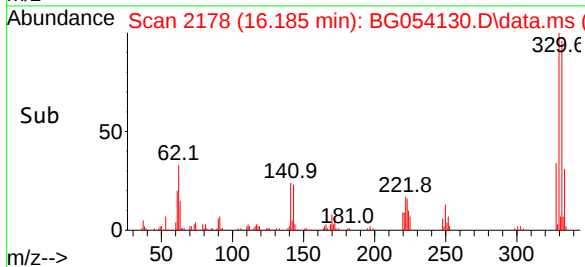
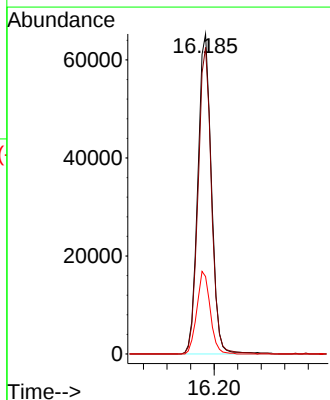
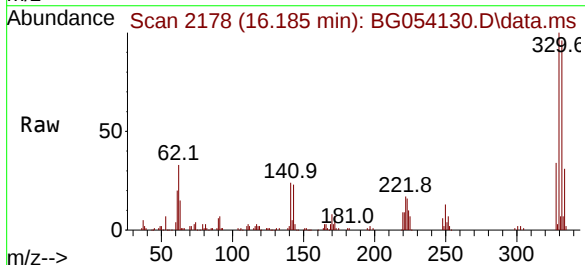
Instrument :
BNA_G
ClientSampleId :
SB-7-0-2-20220623

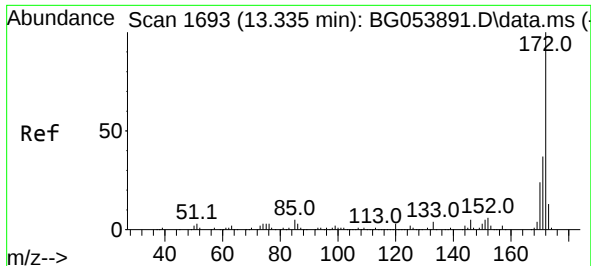
Tgt Ion:164 Resp: 96302
Ion Ratio Lower Upper
164 100
162 107.3 82.3 123.5
160 44.7 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 67.345 ng
RT: 16.185 min Scan# 2178
Delta R.T. 0.001 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

Tgt Ion:330 Resp: 104200
Ion Ratio Lower Upper
330 100
332 94.6 76.0 114.0
141 25.5 27.1 40.7#

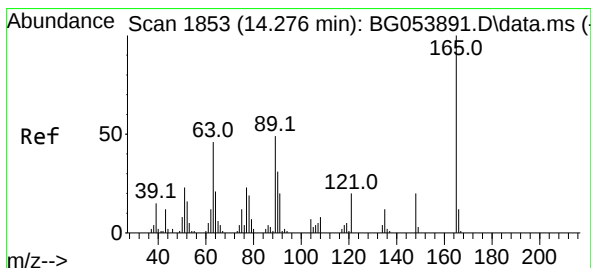
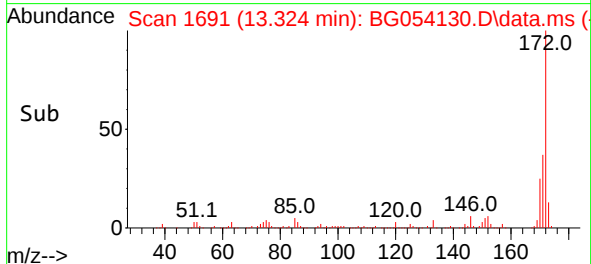
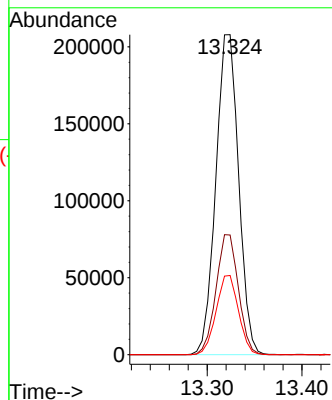
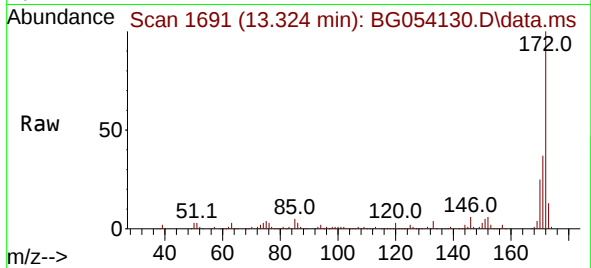




#45
2-Fluorobiphenyl
Concen: 52.501 ng
RT: 13.324 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

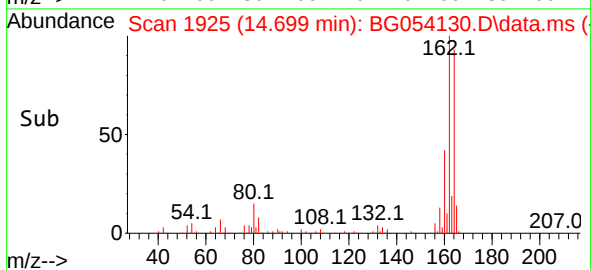
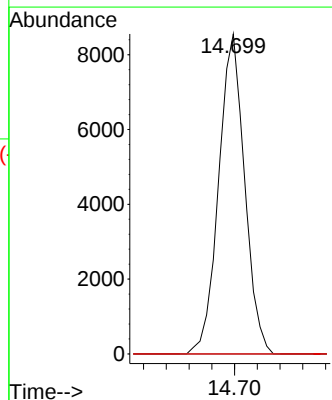
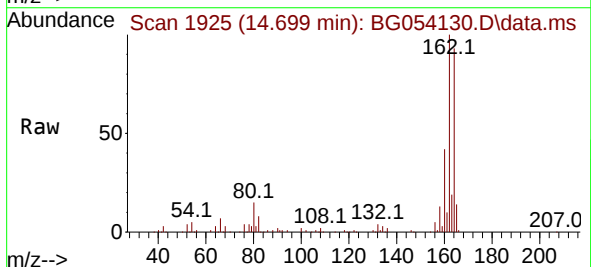
Instrument :
BNA_G
ClientSampleId :
SB-7-0-2-20220623

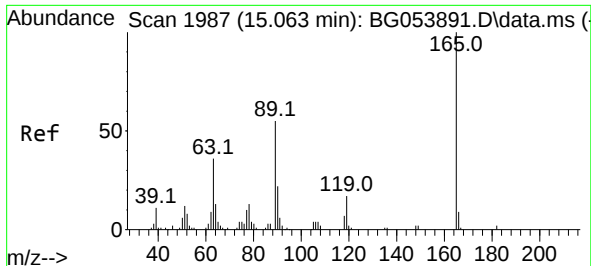
Tgt Ion:172 Resp: 347692
Ion Ratio Lower Upper
172 100
171 37.4 28.5 42.7
170 24.8 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 9.139 ng
RT: 14.699 min Scan# 1925
Delta R.T. 0.436 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

Tgt Ion:165 Resp: 13543
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#





#57

2,4-Dinitrotoluene

Concen: 6.471 ng

RT: 14.699 min Scan# 1987

Delta R.T. -0.351 min

Lab File: BG054130.D

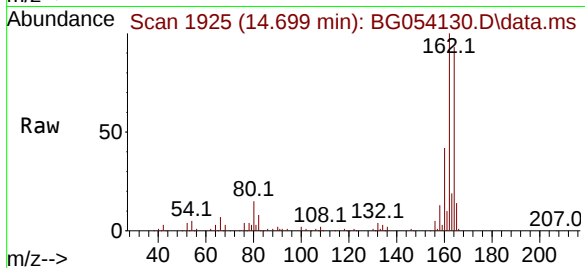
Acq: 28 Jun 2022 23:26

Instrument :

BNA_G

ClientSampleId :

SB-7-0-2-20220623



Tgt Ion:165 Resp: 13543

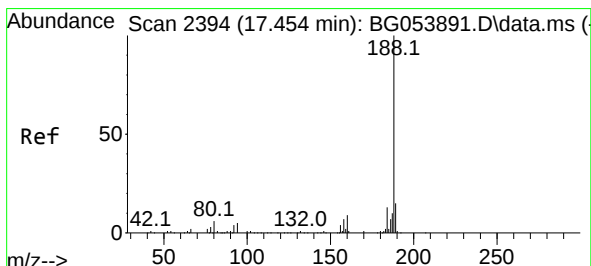
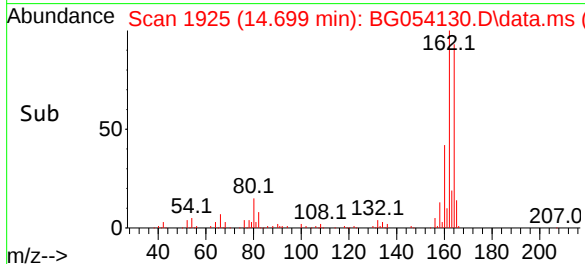
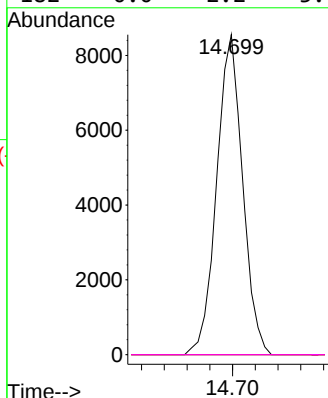
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.443 min Scan# 2392

Delta R.T. 0.001 min

Lab File: BG054130.D

Acq: 28 Jun 2022 23:26

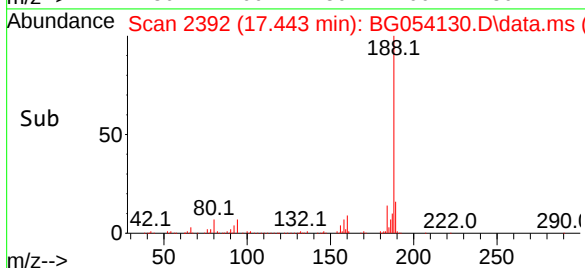
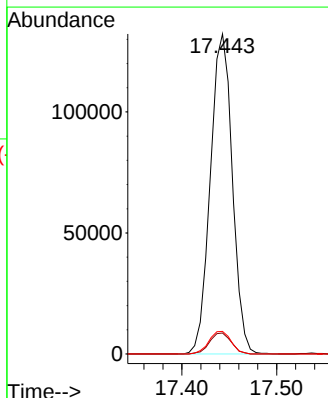
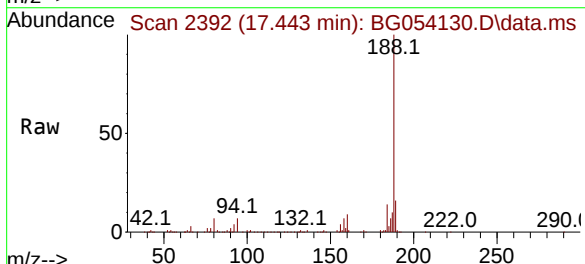
Tgt Ion:188 Resp: 212969

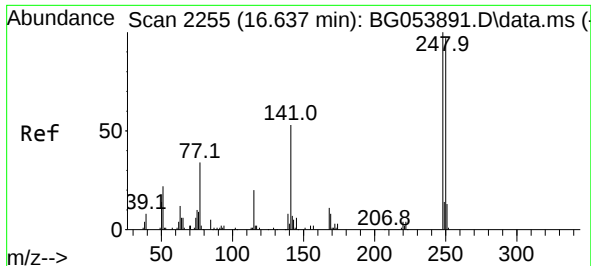
Ion Ratio Lower Upper

188 100

94 6.6 5.4 8.0

80 7.0 6.8 10.2

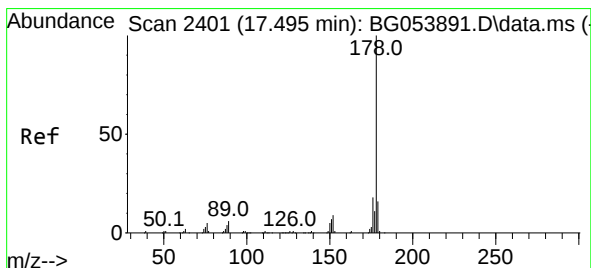
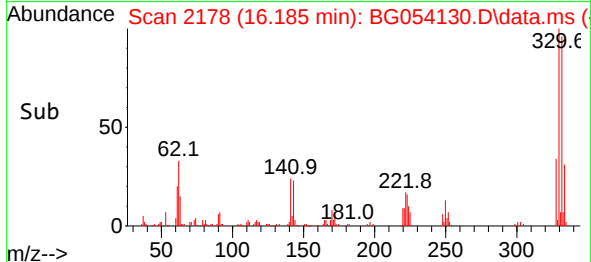
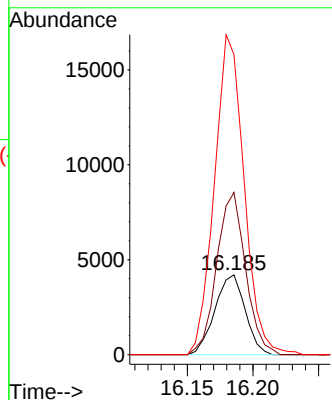
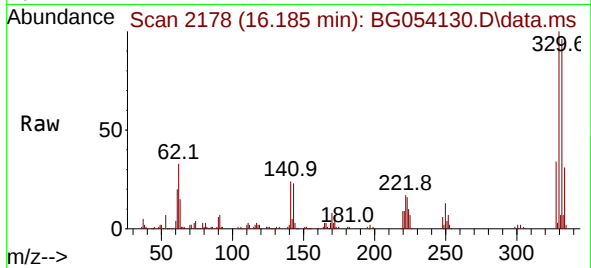




#67
4-Bromophenyl-phenylether
Concen: 2.533 ng
RT: 16.185 min Scan# 2178
Delta R.T. -0.440 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

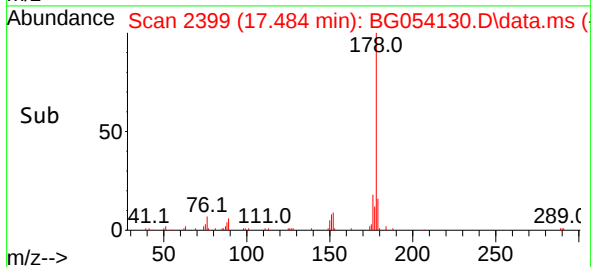
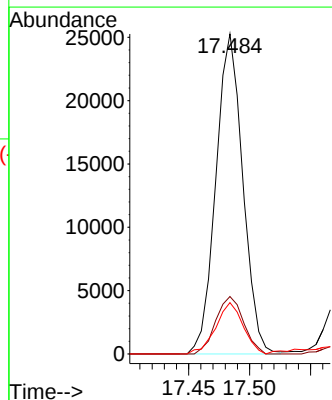
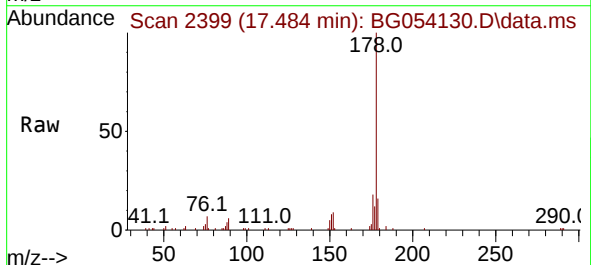
Instrument :
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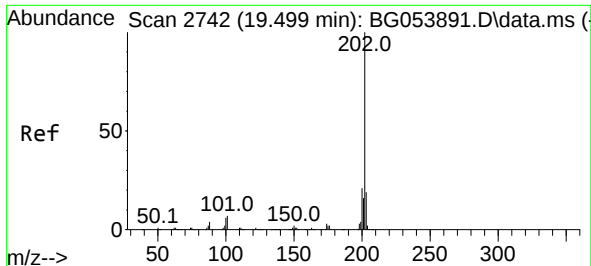
Tgt Ion:248 Resp: 6737
Ion Ratio Lower Upper
248 100
250 155.3 75.2 112.8#
141 287.4 50.0 75.0#



#71
Phenanthrene
Concen: 3.546 ng
RT: 17.484 min Scan# 2399
Delta R.T. 0.001 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

Tgt Ion:178 Resp: 38800
Ion Ratio Lower Upper
178 100
176 18.0 14.1 21.1
179 16.1 12.1 18.1

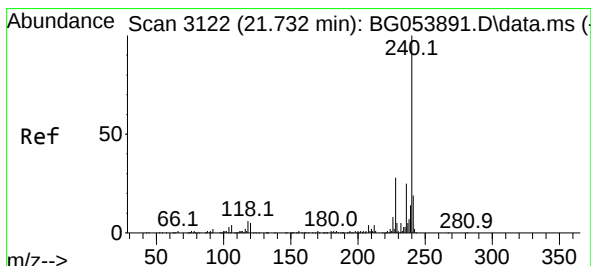
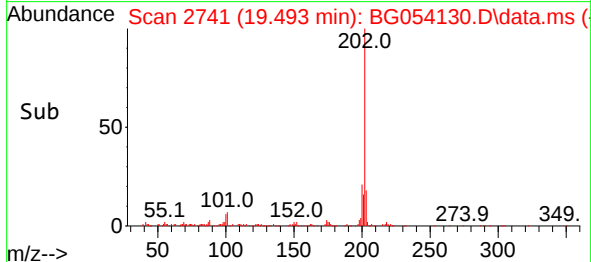
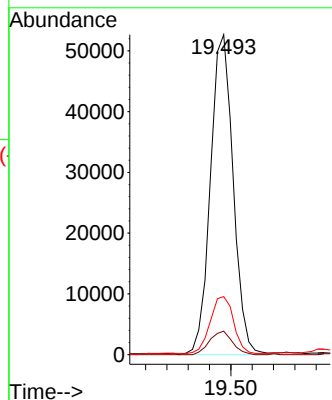
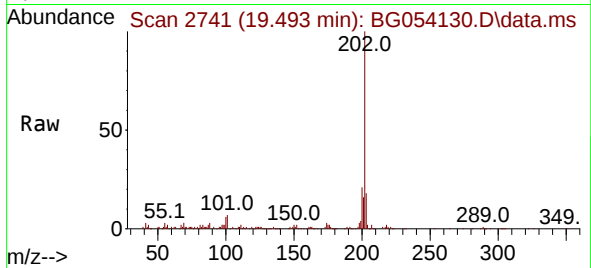




#75
Fluoranthene
Concen: 5.430 ng
RT: 19.493 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

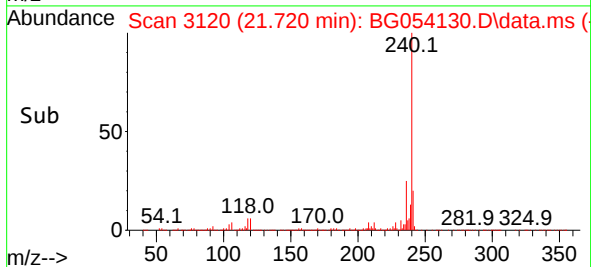
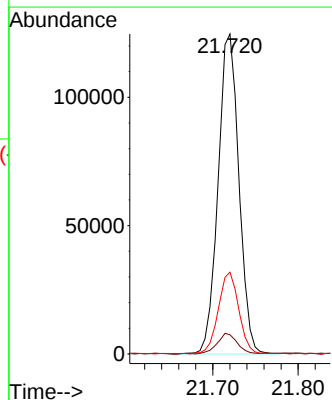
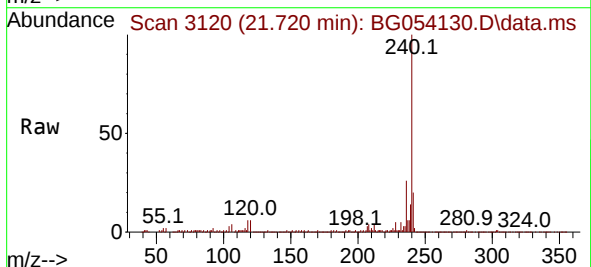
Instrument :
BNA_G
ClientSampleId :
SB-7-0-2-20220623

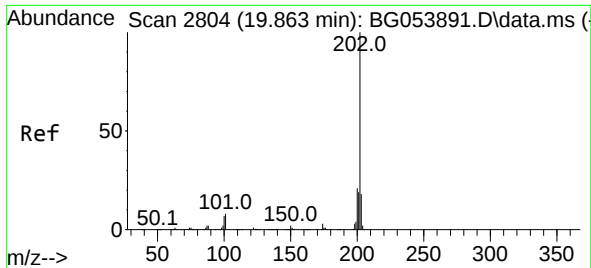
Tgt Ion:202 Resp: 77995
Ion Ratio Lower Upper
202 100
101 7.3 0.0 26.9
203 18.2 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.720 min Scan# 3120
Delta R.T. 0.001 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

Tgt Ion:240 Resp: 211783
Ion Ratio Lower Upper
240 100
120 6.0 4.6 7.0
236 25.5 20.2 30.4

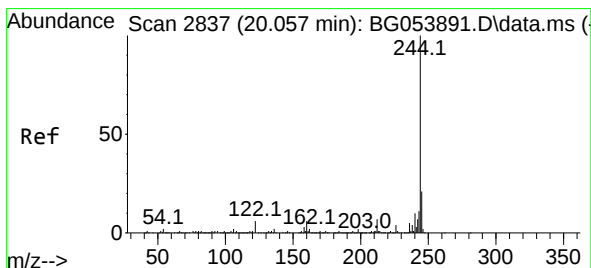
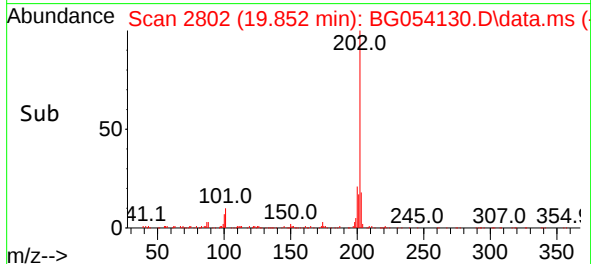
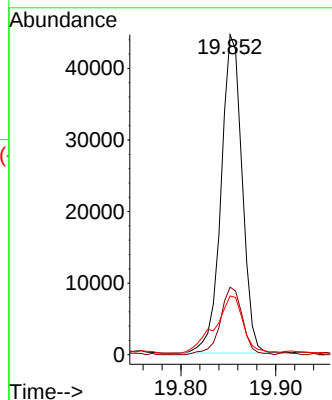
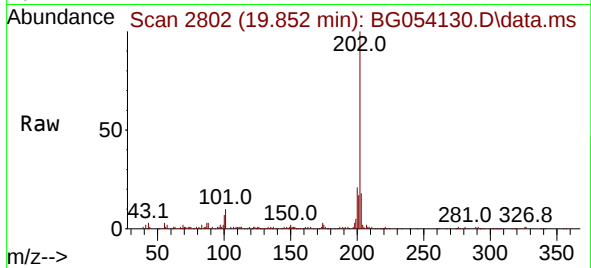




#78
 Pyrene
 Concen: 5.364 ng
 RT: 19.852 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG054130.D
 Acq: 28 Jun 2022 23:26

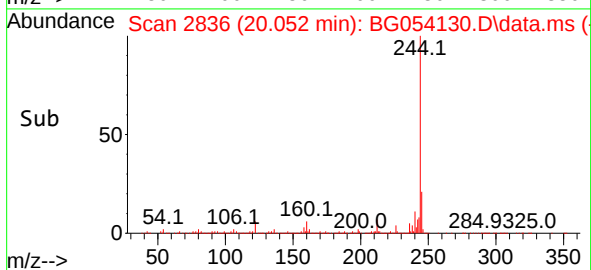
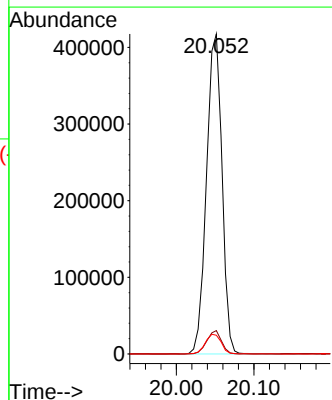
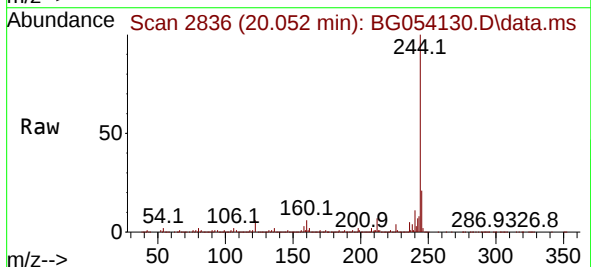
Instrument :
 BNA_G
 ClientSampleId :
 SB-7-0-2-20220623

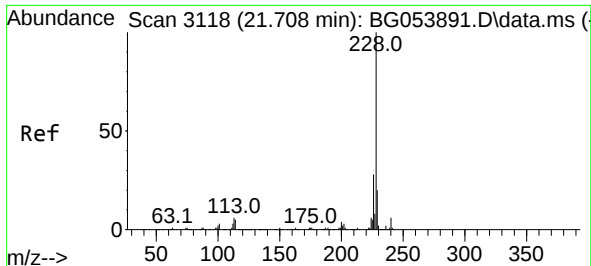
Tgt Ion:202 Resp: 68610
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.6 24.8
 203 18.4 14.6 21.8



#79
 Terphenyl-d14
 Concen: 55.086 ng
 RT: 20.052 min Scan# 2836
 Delta R.T. 0.007 min
 Lab File: BG054130.D
 Acq: 28 Jun 2022 23:26

Tgt Ion:244 Resp: 579239
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 5.9 5.0 7.4

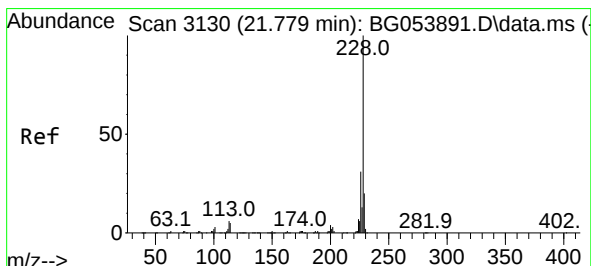
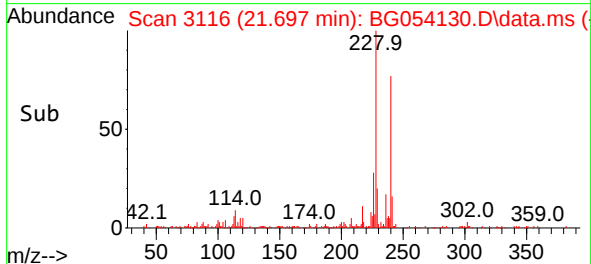
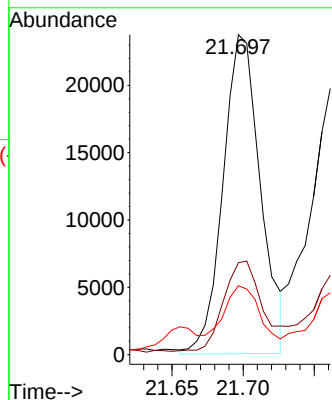
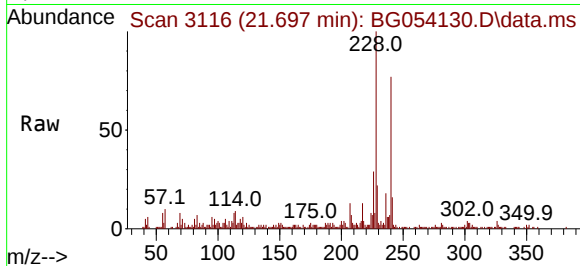




#81
Benzo(a)anthracene
Concen: 3.164 ng
RT: 21.697 min Scan# 3116
Delta R.T. 0.001 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

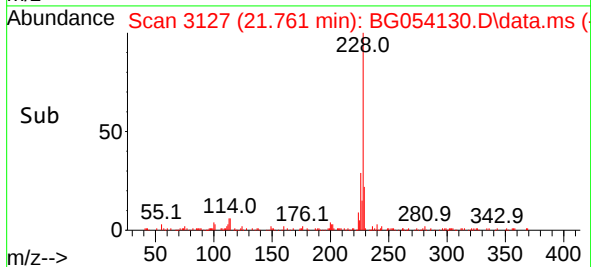
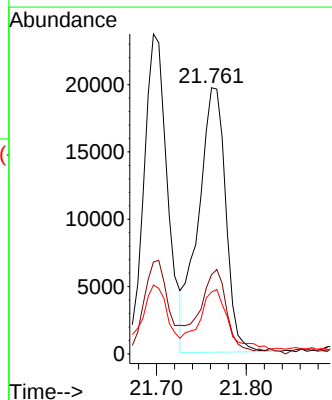
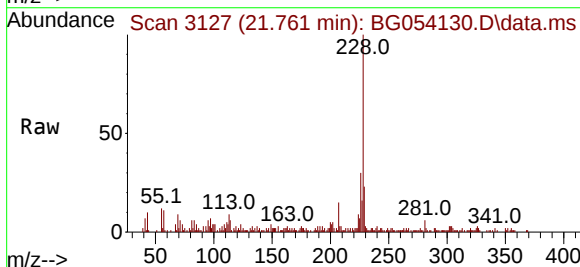
Instrument :
BNA_G
ClientSampleId :
SB-7-0-2-20220623

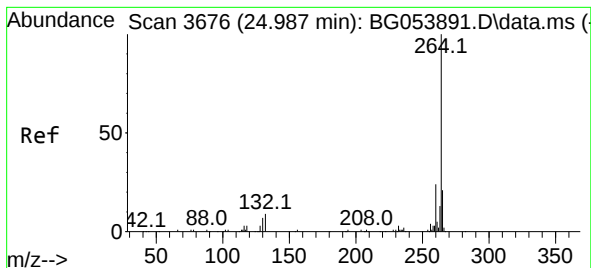
Tgt Ion:	228	Resp:	43386
Ion Ratio	Lower	Upper	
228	100		
226	28.8	21.6	32.4
229	21.5	16.2	24.2



#83
Chrysene
Concen: 3.193 ng
RT: 21.761 min Scan# 3127
Delta R.T. 0.001 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

Tgt Ion:	228	Resp:	41736
Ion Ratio	Lower	Upper	
228	100		
226	29.8	23.4	35.2
229	23.3	15.5	23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.981 min Scan# 3

Delta R.T. 0.019 min

Lab File: BG054130.D

Acq: 28 Jun 2022 23:26

Instrument :

BNA_G

ClientSampleId :

SB-7-0-2-20220623

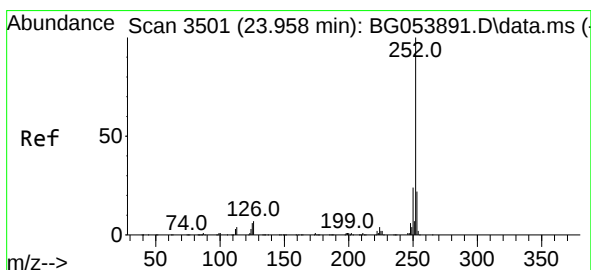
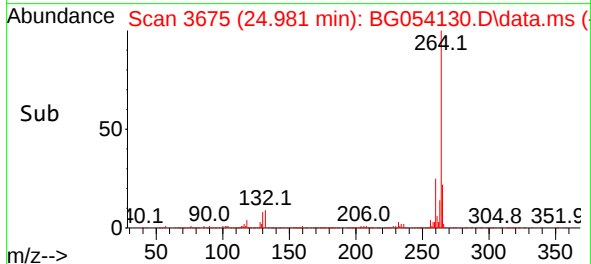
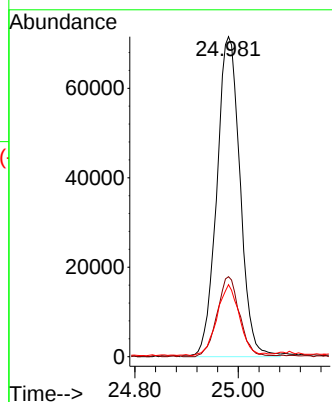
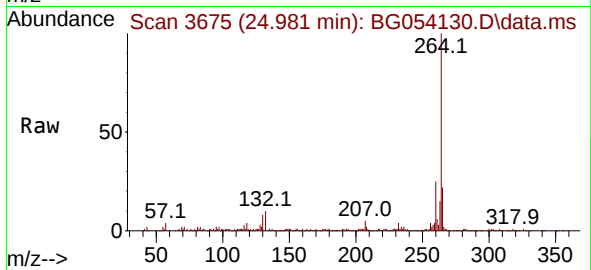
Tgt Ion:264 Resp: 223010

Ion Ratio Lower Upper

264 100

260 25.0 19.0 28.6

265 22.5 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 4.995 ng

RT: 23.947 min Scan# 3499

Delta R.T. 0.013 min

Lab File: BG054130.D

Acq: 28 Jun 2022 23:26

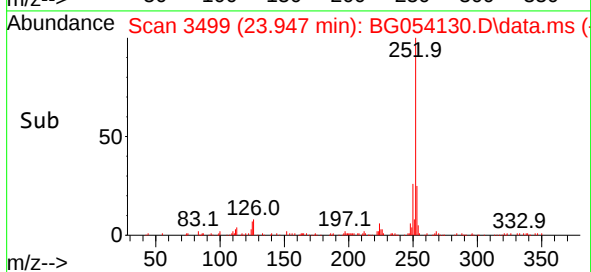
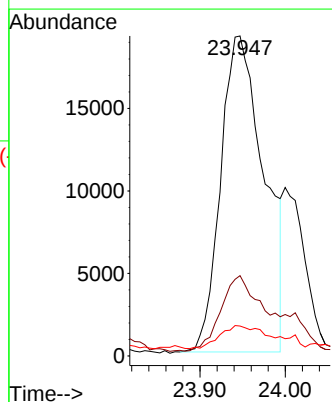
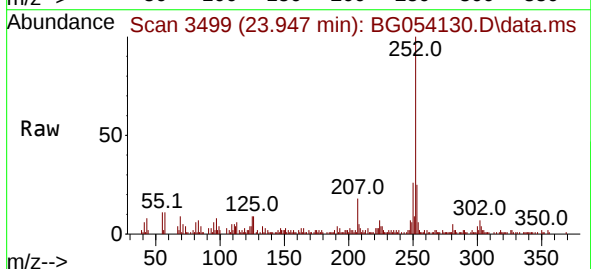
Tgt Ion:252 Resp: 67736

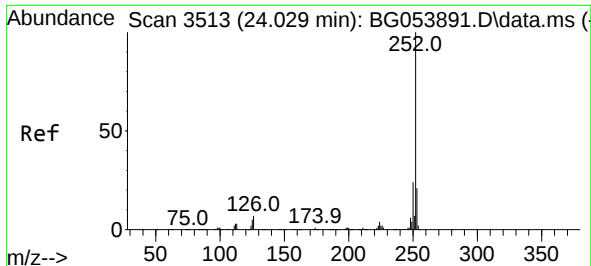
Ion Ratio Lower Upper

252 100

253 25.1 18.0 27.0

125 9.3 4.6 6.8#

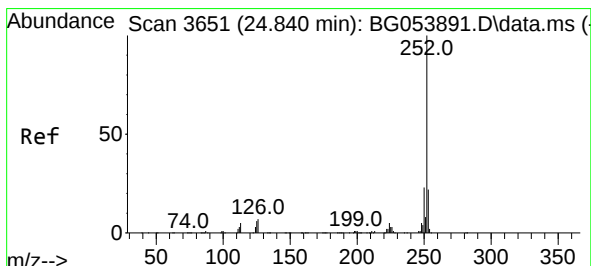
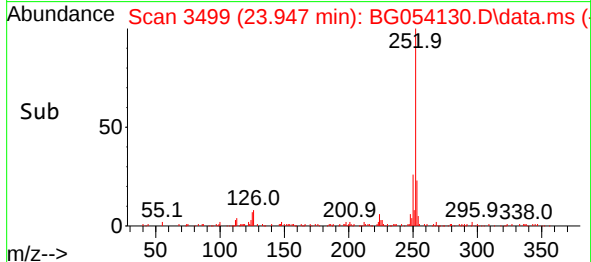
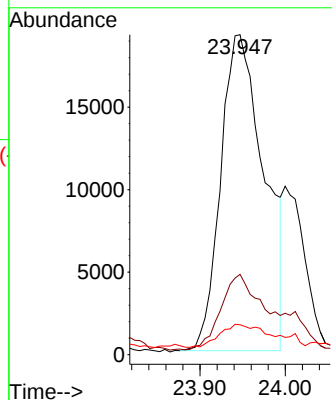
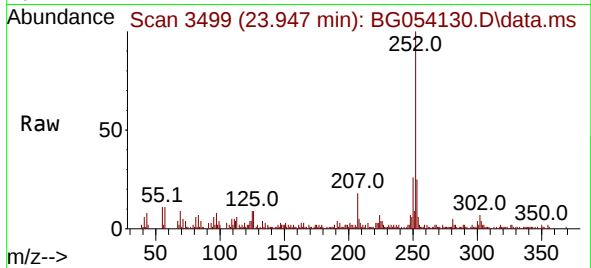




#89
Benzo(k)fluoranthene
Concen: 5.045 ng
RT: 23.947 min Scan# 34
Delta R.T. -0.058 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

Instrument :
BNA_G
ClientSampleId :
SB-7-0-2-20220623

Tgt Ion:252 Resp: 67736
Ion Ratio Lower Upper
252 100
253 25.1 18.4 27.6
125 9.3 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 3.806 ng
RT: 24.822 min Scan# 3648
Delta R.T. 0.007 min
Lab File: BG054130.D
Acq: 28 Jun 2022 23:26

Tgt Ion:252 Resp: 43547
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 9.1 4.3 6.5#

