

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
 Data File : BG054382.D
 Acq On : 25 Jul 2022 16:33
 Operator : CG/JU
 Sample : N3858-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-B

Quant Time: Jul 26 00:55:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

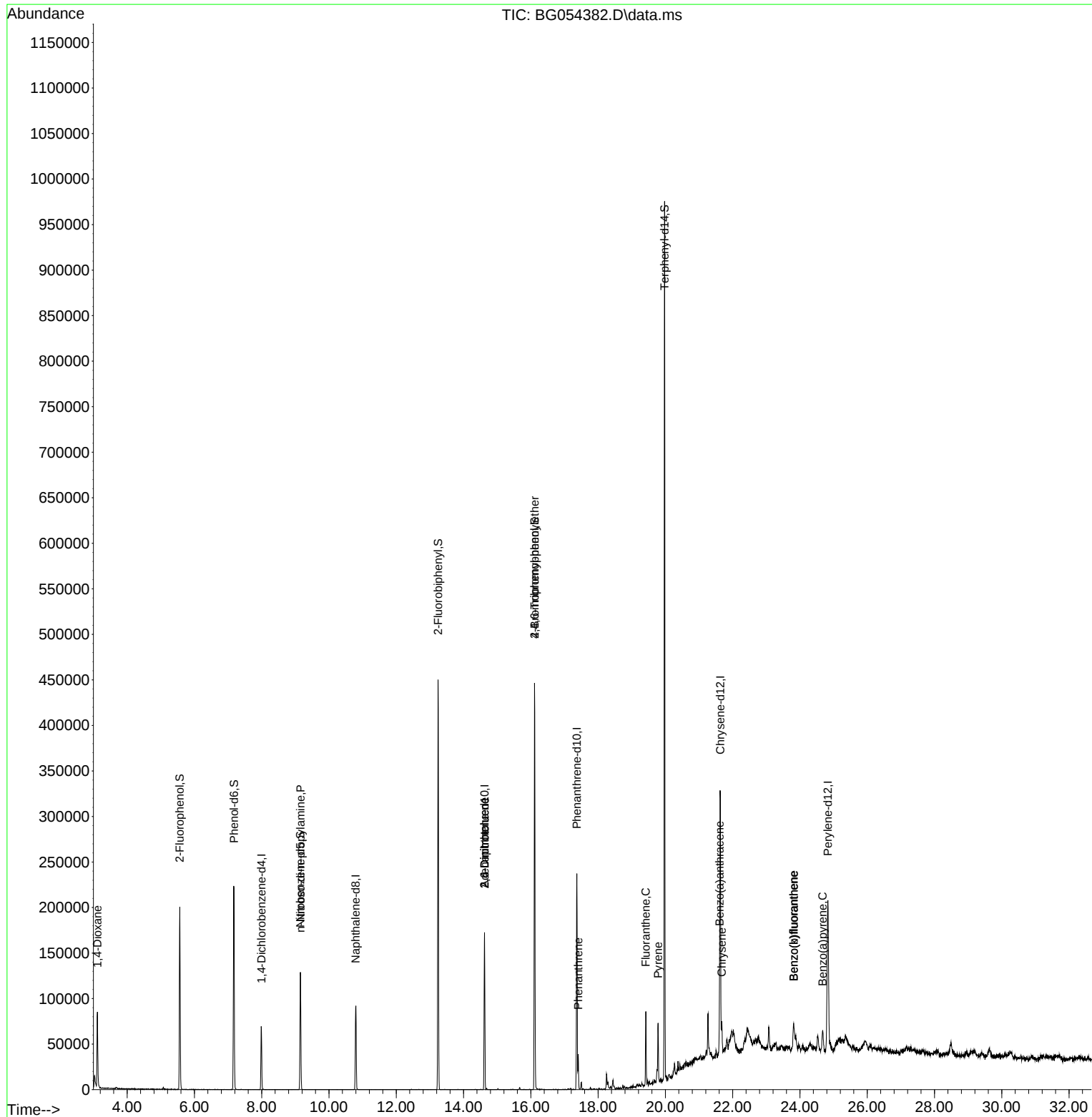
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.991	152	22809	20.000	ng	0.00
21) Naphthalene-d8	10.794	136	87425	20.000	ng	#-0.01
39) Acenaphthene-d10	14.624	164	69174	20.000	ng	0.00
64) Phenanthrene-d10	17.368	188	175565	20.000	ng	# 0.00
76) Chrysene-d12	21.634	240	193718	20.000	ng	# 0.00
86) Perylene-d12	24.830	264	204854	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.564	112	91093	83.384	ng	0.00
7) Phenol-d6	7.174	99	131181	87.634	ng	0.00
23) Nitrobenzene-d5	9.149	82	78305	48.776	ng	-0.01
42) 2,4,6-Tribromophenol	16.111	330	121469	83.633	ng	-0.01
45) 2-Fluorobiphenyl	13.244	172	262681	53.570	ng	-0.01
79) Terphenyl-d14	19.977	244	529552	54.230	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.114	88	942	2.167	ng	# 1
9) Benzaldehyde	7.168	77	130	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.154	70	11236	11.240	ng	# 77
51) 2,6-Dinitrotoluene	14.624	165	10021	8.456	ng	# 16
57) 2,4-Dinitrotoluene	14.624	165	10021	5.898	ng	# 21
67) 4-Bromophenyl-phenylether	16.111	248	7480	3.034	ng	# 1
71) Phenanthrene	17.409	178	26171	2.993	ng	97
75) Fluoranthene	19.419	202	55309	4.641	ng	95
78) Pyrene	19.783	202	48273	4.343	ng	99
81) Benzo(a)anthracene	21.610	228	30086	2.447	ng	98
83) Chrysene	21.675	228	27546	2.371	ng	94
88) Benzo(b)fluoranthene	23.820	252	52207	4.309	ng	93
89) Benzo(k)fluoranthene	23.820	252	52207	4.330	ng	94
90) Benzo(a)pyrene	24.677	252	29733	2.874	ng	# 94

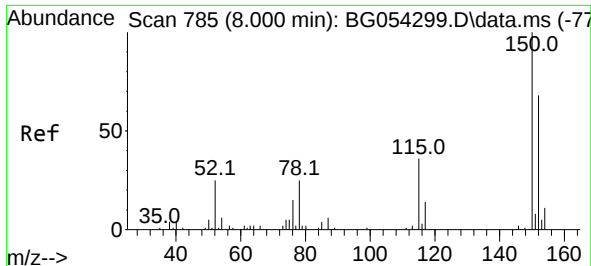
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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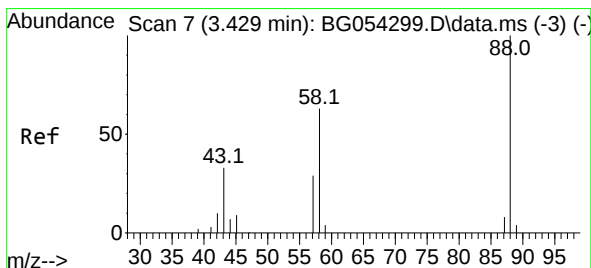
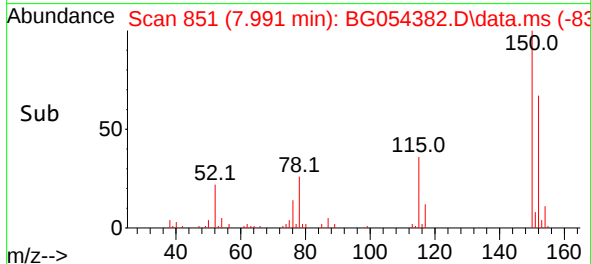
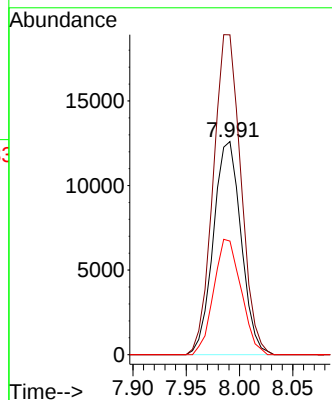
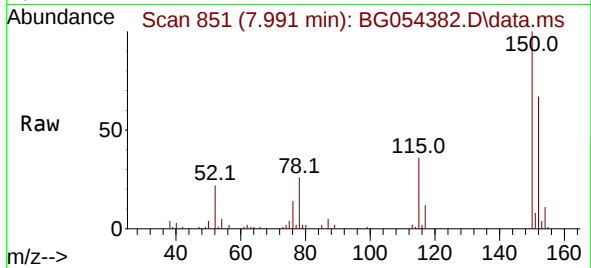




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.991 min Scan# 81
 Delta R.T. -0.009 min
 Lab File: BG054382.D
 Acq: 25 Jul 2022 16:33

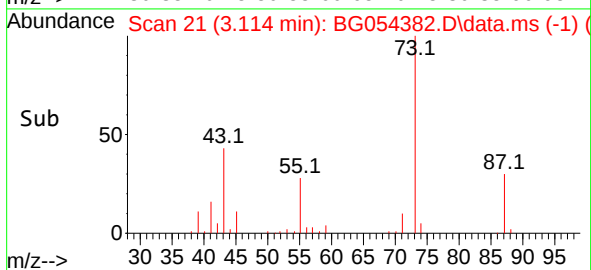
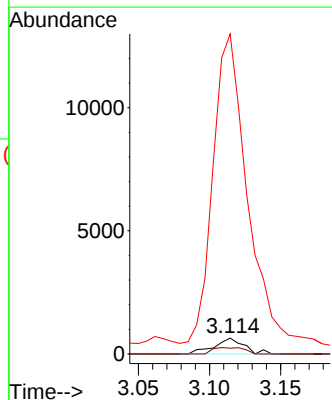
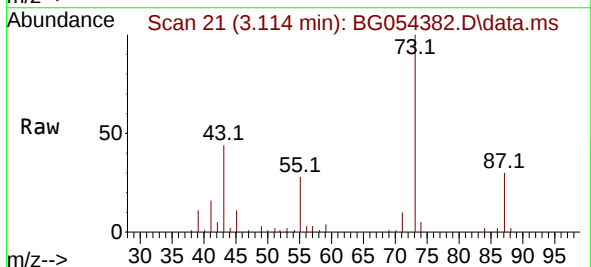
Instrument :
 BNA_G
 ClientSampleId :
 SB-B

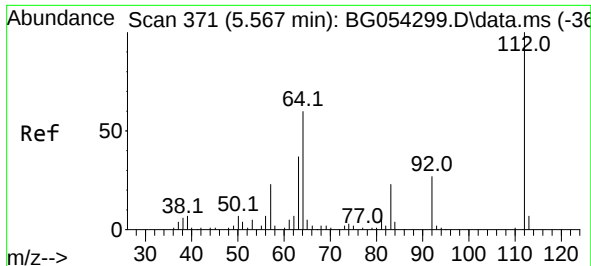
Tgt Ion:152 Resp: 22809
 Ion Ratio Lower Upper
 152 100
 150 150.1 131.6 197.4
 115 53.3 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.167 ng
 RT: 3.114 min Scan# 21
 Delta R.T. -0.314 min
 Lab File: BG054382.D
 Acq: 25 Jul 2022 16:33

Tgt Ion: 88 Resp: 942
 Ion Ratio Lower Upper
 88 100
 58 41.8 59.2 88.8#
 43 2322.0 24.3 36.5#

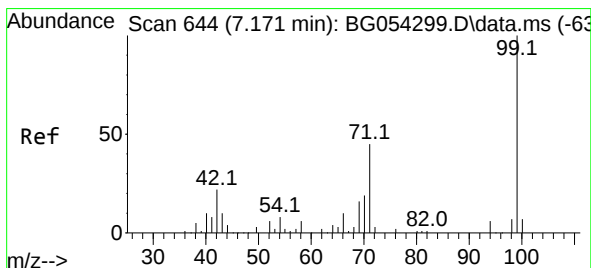
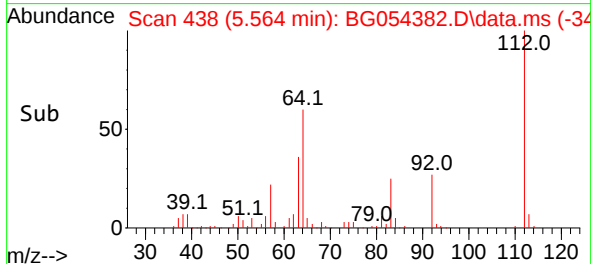
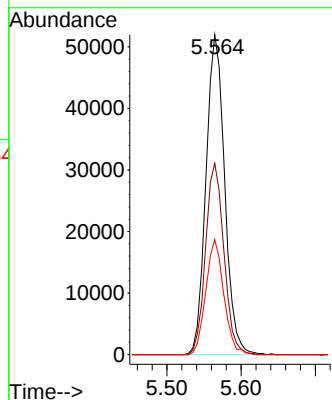
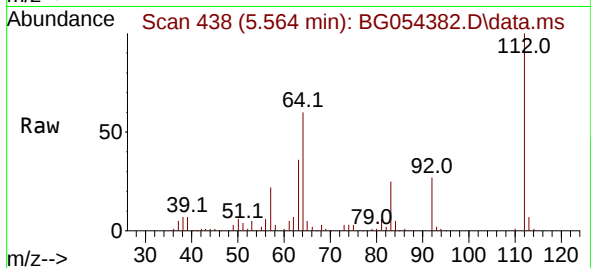




#5
2-Fluorophenol
Concen: 83.384 ng
RT: 5.564 min Scan# 41
Delta R.T. -0.003 min
Lab File: BG054382.D
Acq: 25 Jul 2022 16:33

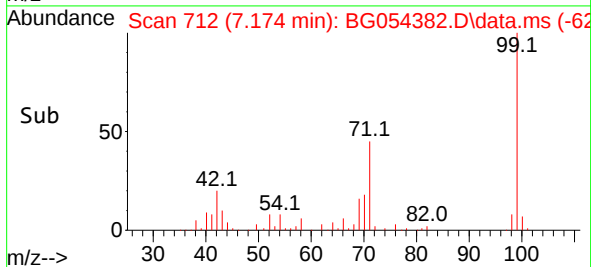
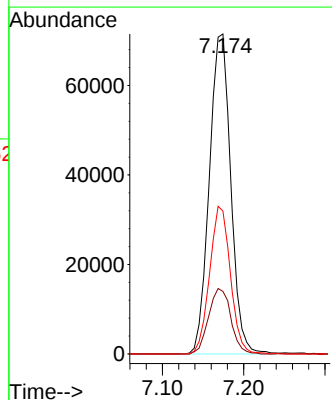
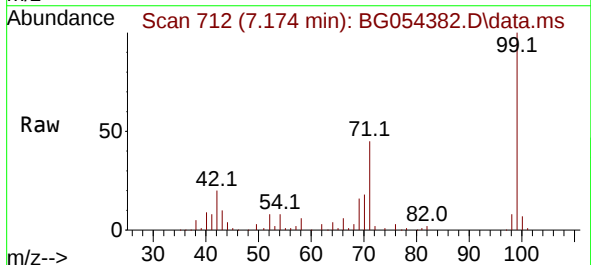
Instrument :
BNA_G
ClientSampleId :
SB-B

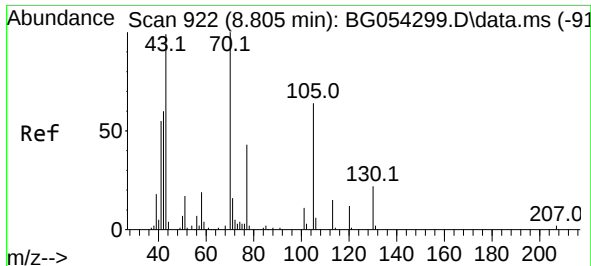
Tgt Ion:112 Resp: 91093
Ion Ratio Lower Upper
112 100
64 59.8 55.1 82.7
63 35.9 30.4 45.6



#7
Phenol-d6
Concen: 87.634 ng
RT: 7.174 min Scan# 712
Delta R.T. 0.003 min
Lab File: BG054382.D
Acq: 25 Jul 2022 16:33

Tgt Ion: 99 Resp: 131181
Ion Ratio Lower Upper
99 100
42 19.6 17.0 25.6
71 44.6 33.8 50.8

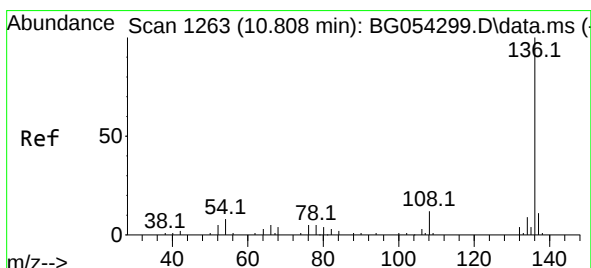
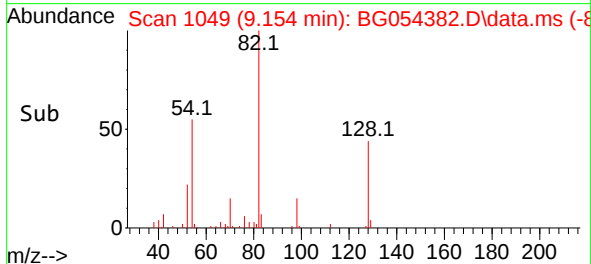
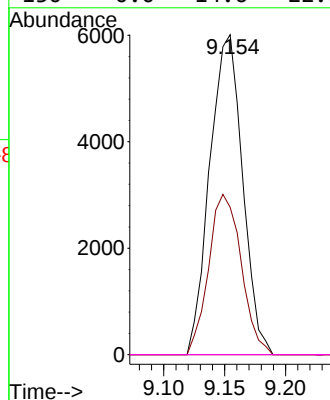
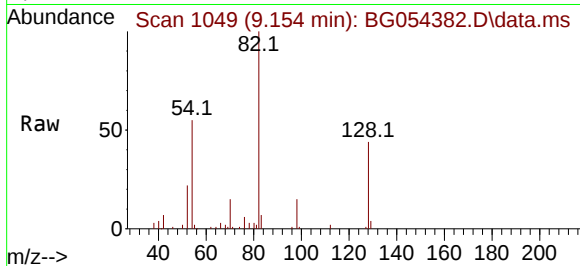




#19
n-Nitroso-di-n-propylamine
Concen: 11.240 ng
RT: 9.154 min Scan# 11
Delta R.T. 0.350 min
Lab File: BG054382.D
Acq: 25 Jul 2022 16:33

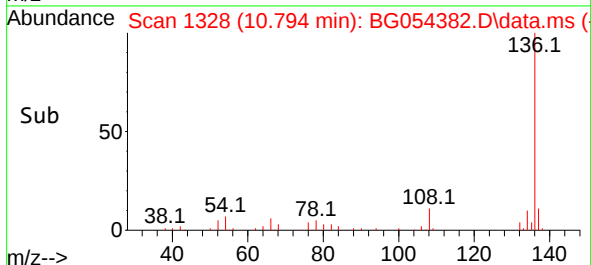
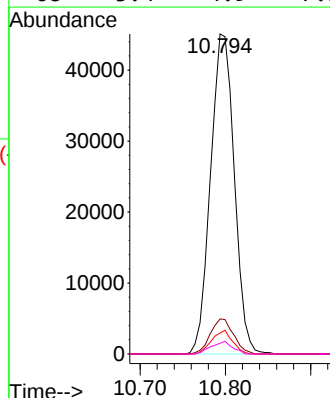
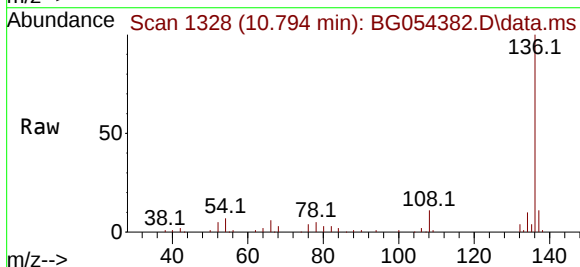
Instrument :
BNA_G
ClientSampleId :
SB-B

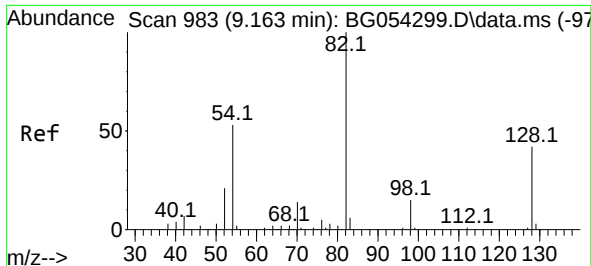
Tgt Ion: 70 Resp: 11236
Ion Ratio Lower Upper
70 100
42 46.1 47.3 70.9#
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.794 min Scan# 1328
Delta R.T. -0.014 min
Lab File: BG054382.D
Acq: 25 Jul 2022 16:33

Tgt Ion: 136 Resp: 87425
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 6.5 7.4 11.2#
68 3.4 4.9 7.3#

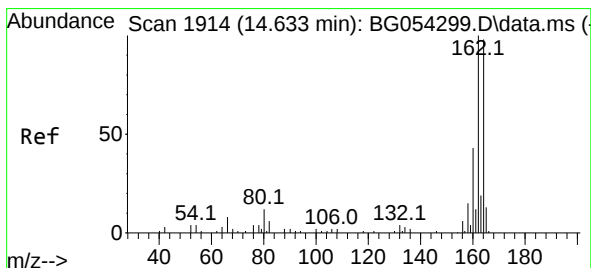
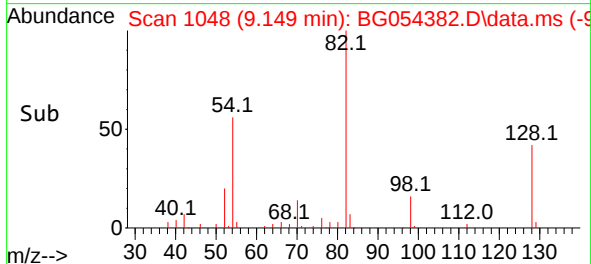
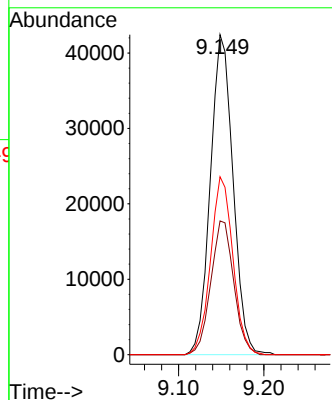
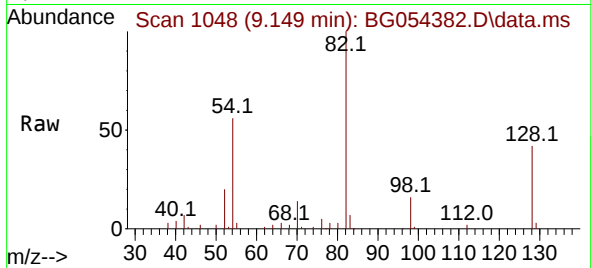




#23
Nitrobenzene-d5
Concen: 48.776 ng
RT: 9.149 min Scan# 11
Delta R.T. -0.015 min
Lab File: BG054382.D
Acq: 25 Jul 2022 16:33

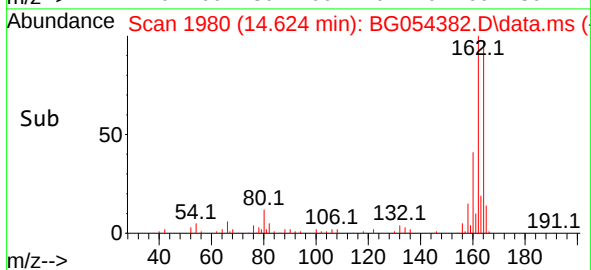
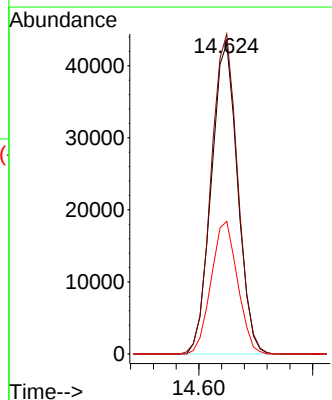
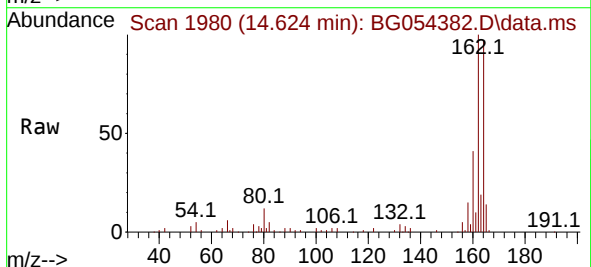
Instrument :
BNA_G
ClientSampleId :
SB-B

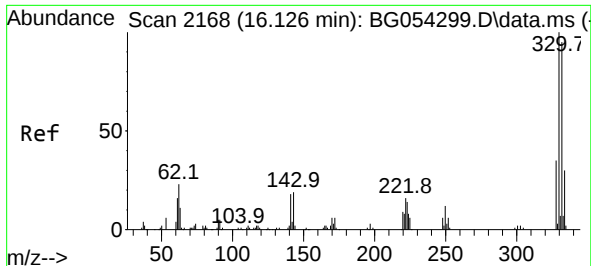
Tgt Ion: 82 Resp: 78305
Ion Ratio Lower Upper
82 100
128 41.8 27.9 41.9
54 55.6 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.624 min Scan# 1980
Delta R.T. -0.009 min
Lab File: BG054382.D
Acq: 25 Jul 2022 16:33

Tgt Ion:164 Resp: 69174
Ion Ratio Lower Upper
164 100
162 103.1 82.3 123.5
160 42.7 34.2 51.2

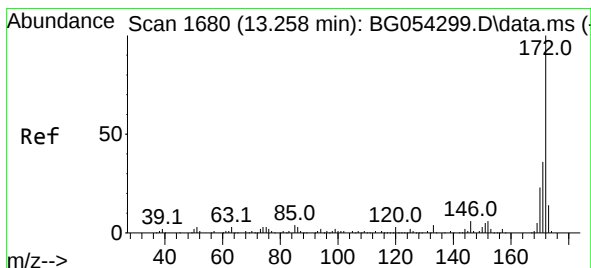
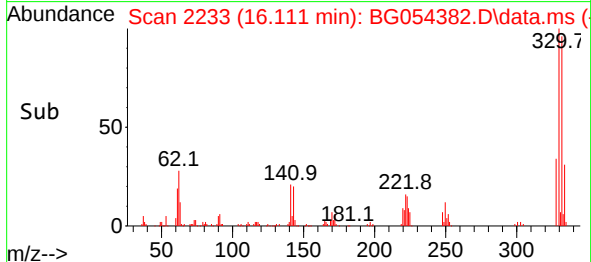
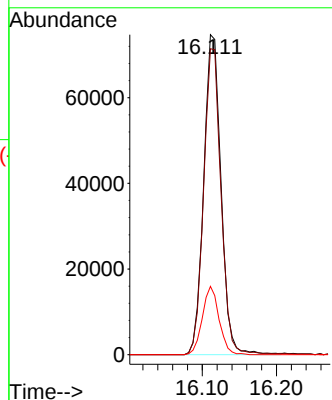
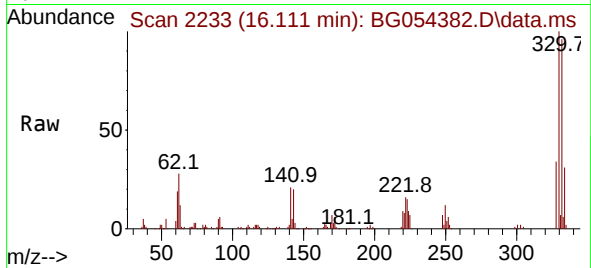




#42
 2,4,6-Tribromophenol
 Concen: 83.633 ng
 RT: 16.111 min Scan# 2168
 Delta R.T. -0.015 min
 Lab File: BG054382.D
 Acq: 25 Jul 2022 16:33

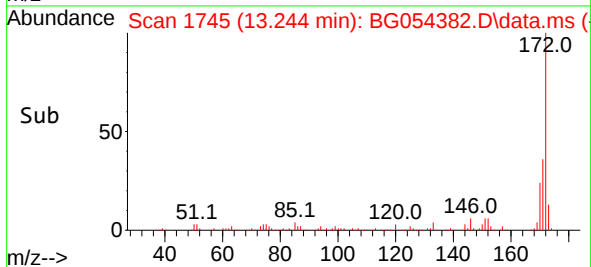
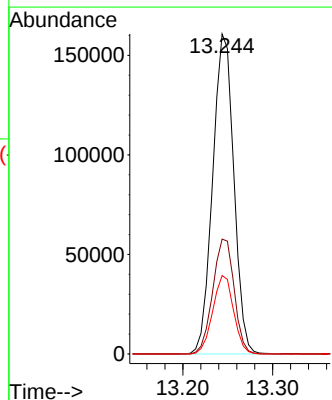
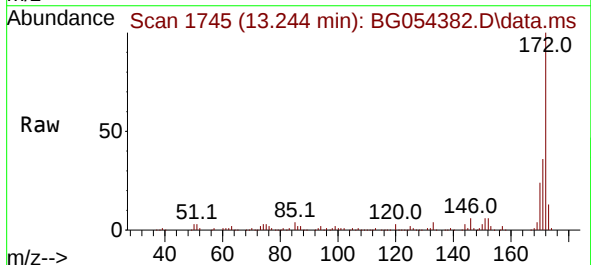
Instrument :
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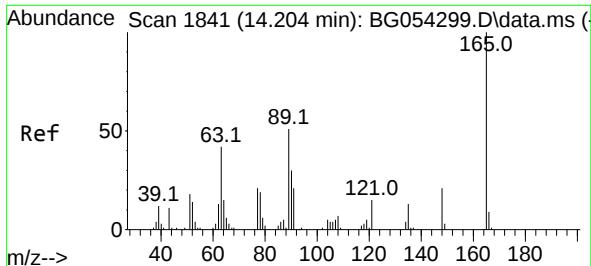
Tgt Ion:330 Resp: 121469
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.0 114.0
 141 20.6 27.1 40.7#



#45
 2-Fluorobiphenyl
 Concen: 53.570 ng
 RT: 13.244 min Scan# 1745
 Delta R.T. -0.015 min
 Lab File: BG054382.D
 Acq: 25 Jul 2022 16:33

Tgt Ion:172 Resp: 262681
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.5 42.7
 170 24.5 18.9 28.3

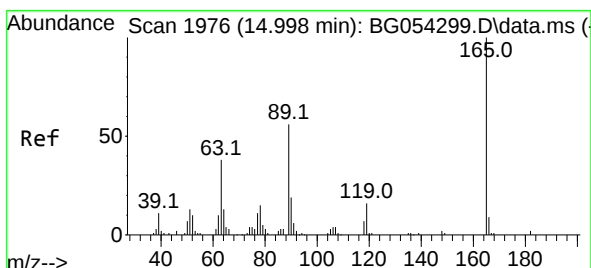
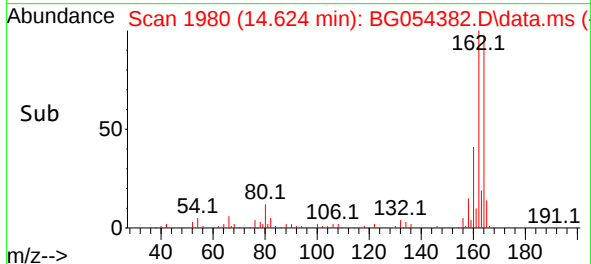
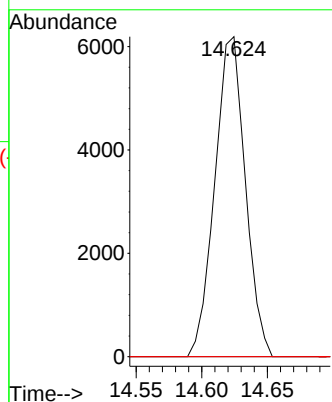
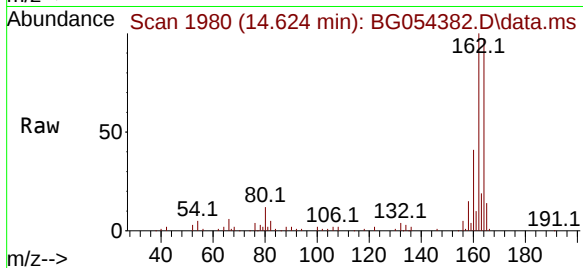




#51
2,6-Dinitrotoluene
Concen: 8.456 ng
RT: 14.624 min Scan# 1980
Delta R.T. 0.420 min
Lab File: BG054382.D
Acq: 25 Jul 2022 16:33

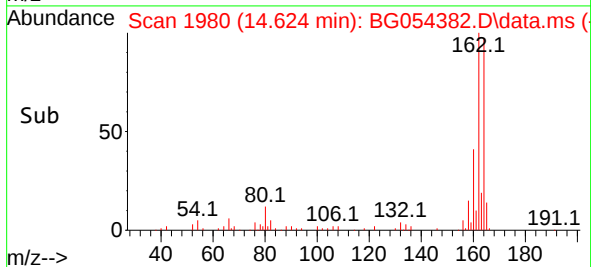
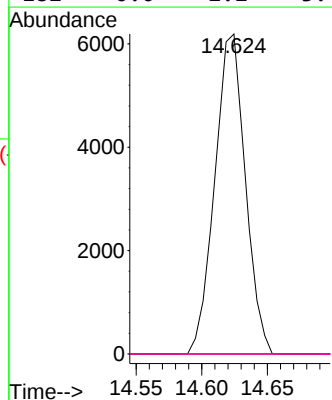
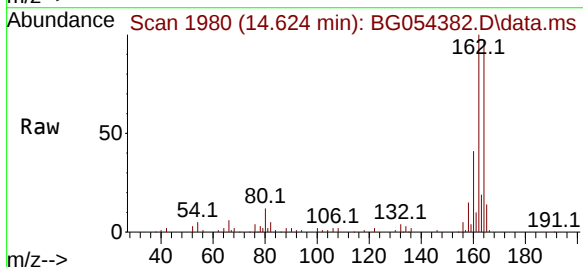
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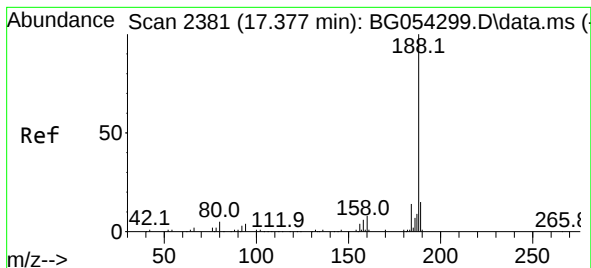
Tgt Ion:165 Resp: 10021
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.898 ng
RT: 14.624 min Scan# 1980
Delta R.T. -0.373 min
Lab File: BG054382.D
Acq: 25 Jul 2022 16:33

Tgt Ion:165 Resp: 10021
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: 17.368 min Scan# 2447

Delta R.T. -0.009 min

Lab File: BG054382.D

Acq: 25 Jul 2022 16:33

Instrument :

BNA_G

ClientSampleId :

SB-B

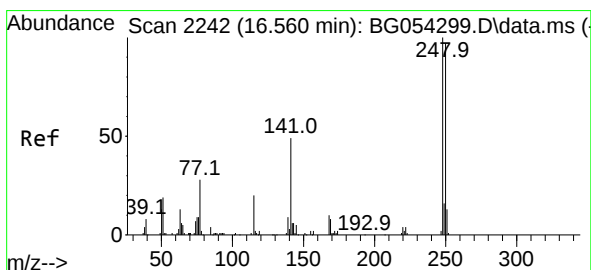
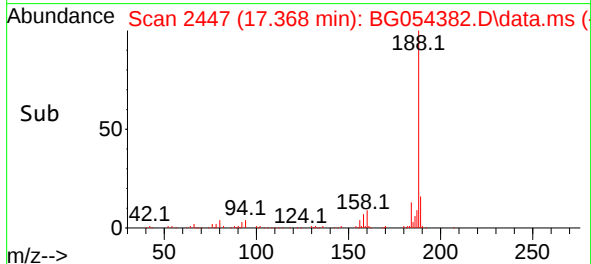
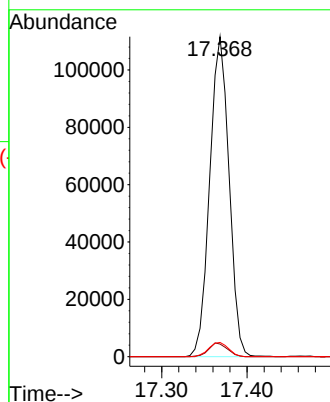
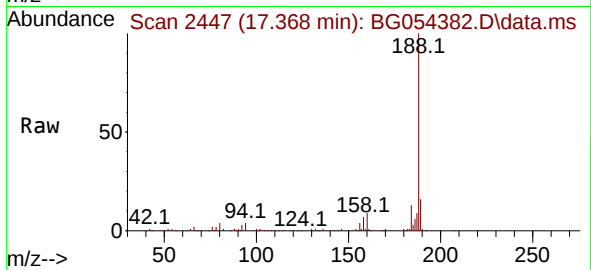
Tgt Ion:188 Resp: 175565

Ion Ratio Lower Upper

188 100

94 4.0 5.4 8.0#

80 4.5 6.8 10.2#



#67

4-Bromophenyl-phenylether

Concen: 3.034 ng

RT: 16.111 min Scan# 2233

Delta R.T. -0.449 min

Lab File: BG054382.D

Acq: 25 Jul 2022 16:33

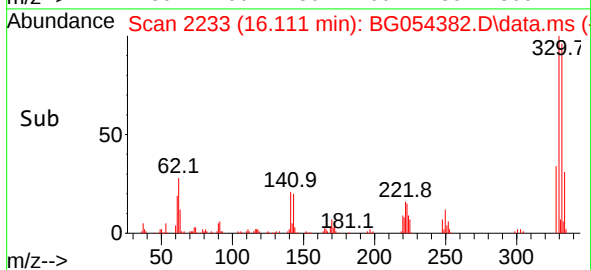
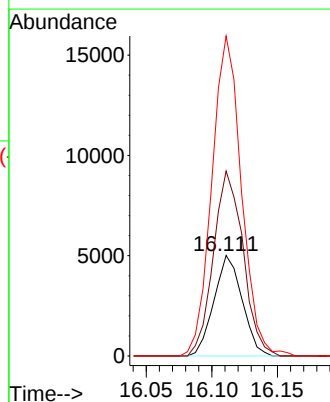
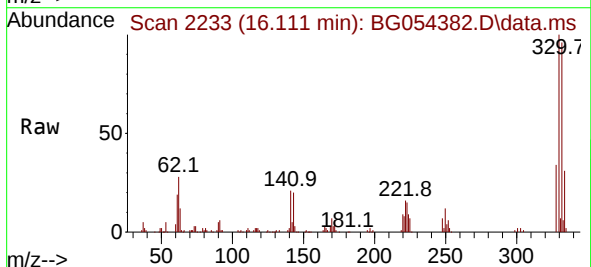
Tgt Ion:248 Resp: 7480

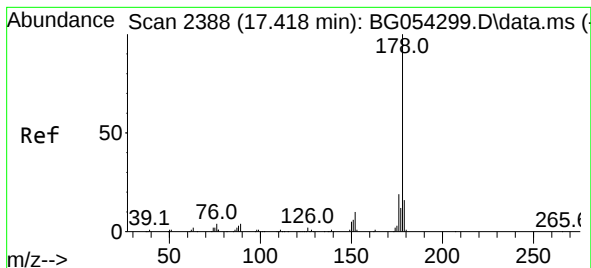
Ion Ratio Lower Upper

248 100

250 184.2 75.2 112.8#

141 318.6 50.0 75.0#





#71

Phenanthrene

Concen: 2.993 ng

RT: 17.409 min Scan# 24

Delta R.T. -0.009 min

Lab File: BG054382.D

Acq: 25 Jul 2022 16:33

Instrument :

BNA_G

ClientSampleId :

SB-B

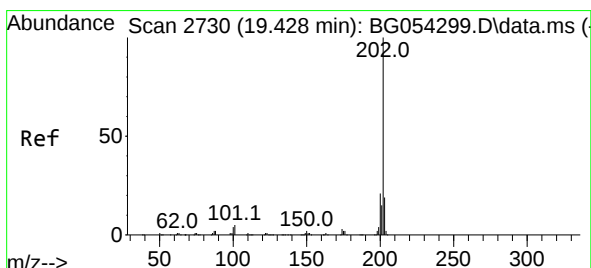
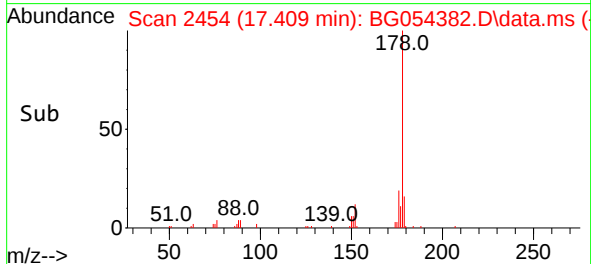
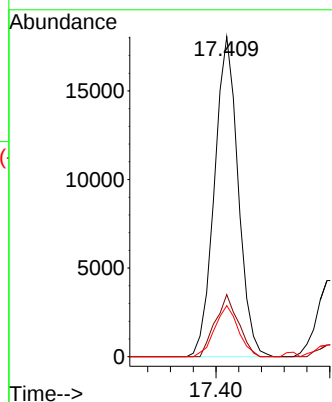
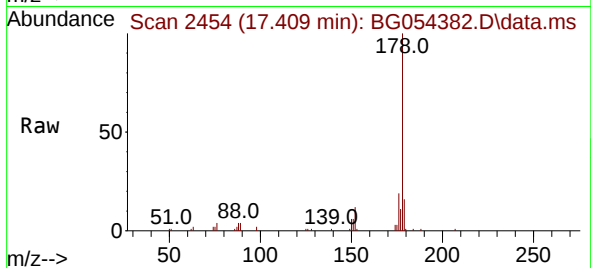
Tgt Ion:178 Resp: 26171

Ion Ratio Lower Upper

178 100

176 19.4 14.1 21.1

179 16.0 12.1 18.1



#75

Fluoranthene

Concen: 4.641 ng

RT: 19.419 min Scan# 2796

Delta R.T. -0.009 min

Lab File: BG054382.D

Acq: 25 Jul 2022 16:33

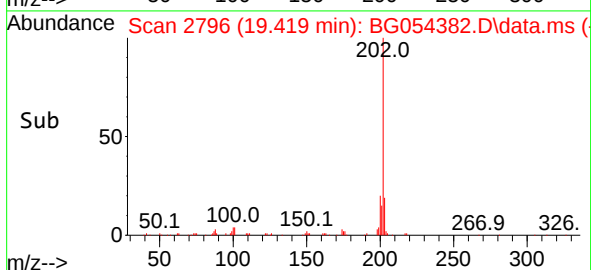
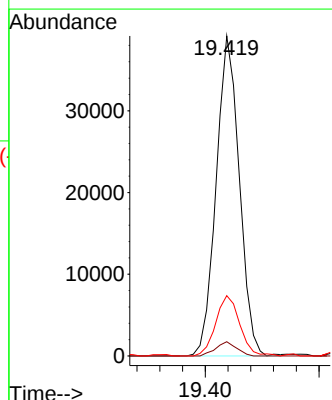
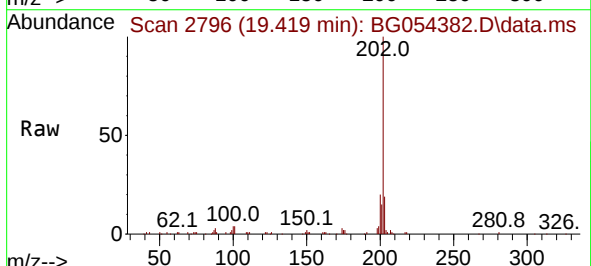
Tgt Ion:202 Resp: 55309

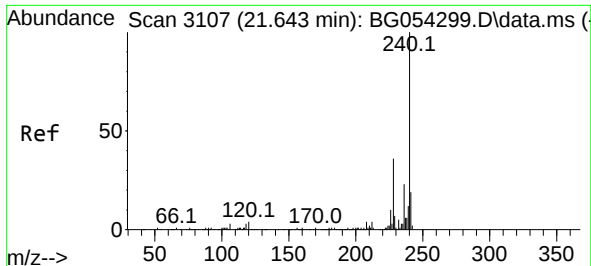
Ion Ratio Lower Upper

202 100

101 4.5 0.0 26.9

203 18.9 0.0 37.2

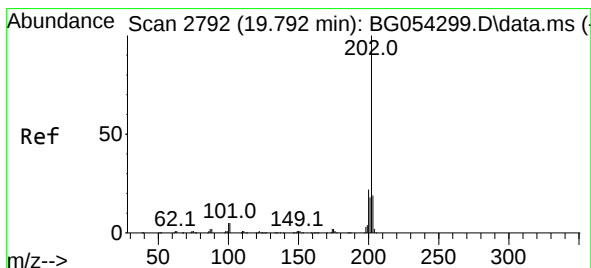
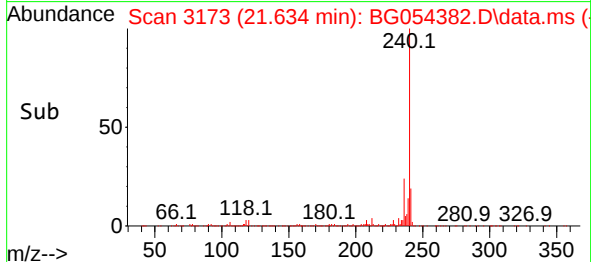
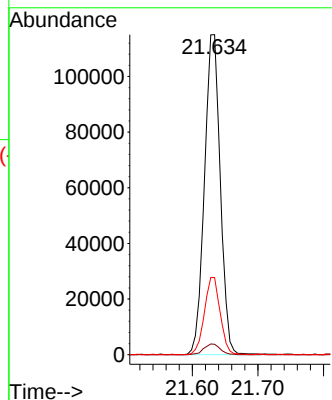
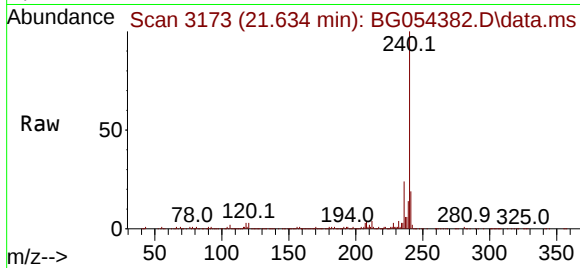




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.634 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG054382.D
Acq: 25 Jul 2022 16:33

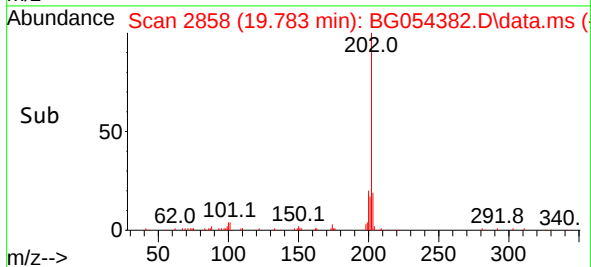
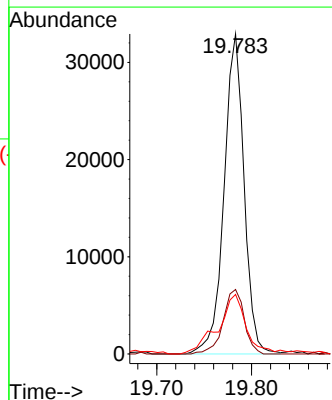
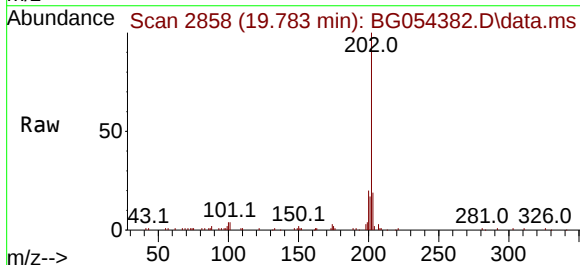
Instrument :
BNA_G
ClientSampleId :
SB-B

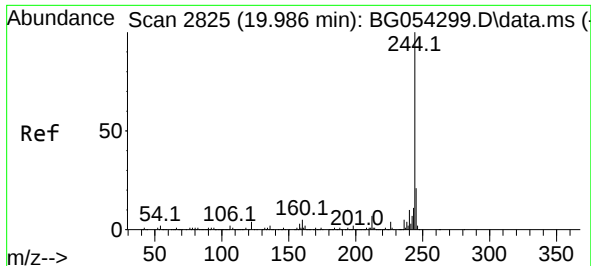
Tgt Ion:240 Resp: 193718
Ion Ratio Lower Upper
240 100
120 3.2 4.6 7.0#
236 24.1 20.2 30.4



#78
Pyrene
Concen: 4.343 ng
RT: 19.783 min Scan# 2858
Delta R.T. -0.009 min
Lab File: BG054382.D
Acq: 25 Jul 2022 16:33

Tgt Ion:202 Resp: 48273
Ion Ratio Lower Upper
202 100
200 20.1 16.6 24.8
203 18.6 14.6 21.8

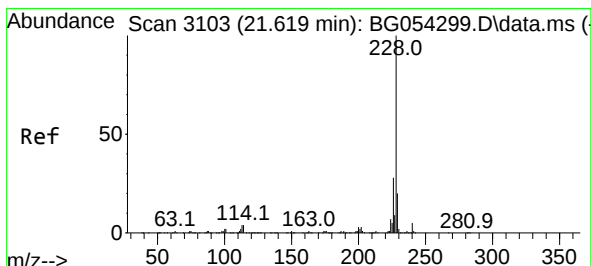
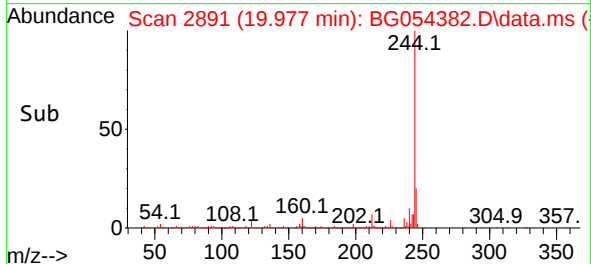
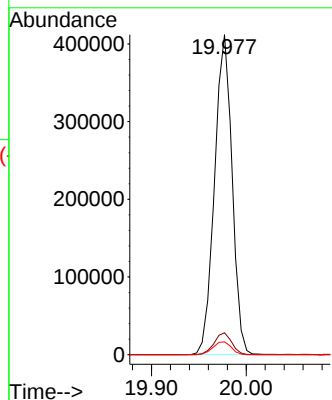
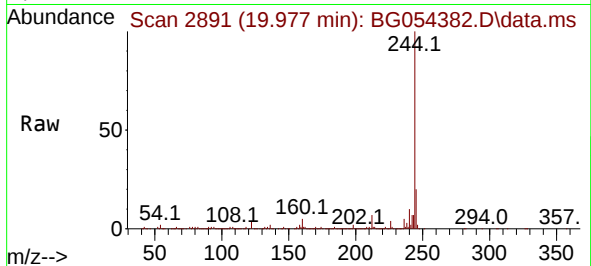




#79
 Terphenyl-d14
 Concen: 54.230 ng
 RT: 19.977 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BG054382.D
 Acq: 25 Jul 2022 16:33

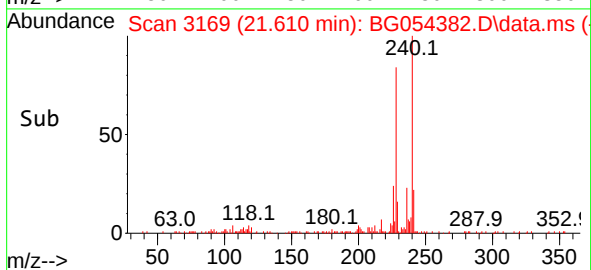
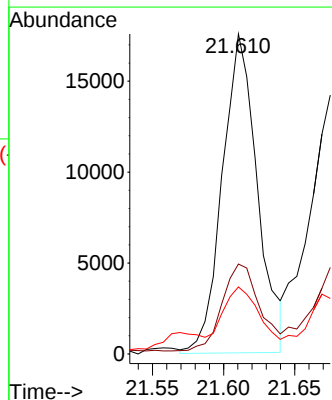
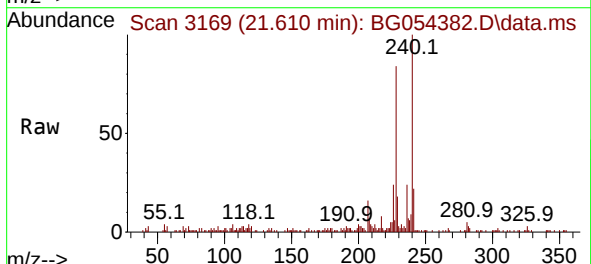
Instrument :
 BNA_G
 ClientSampleId :
 SB-B

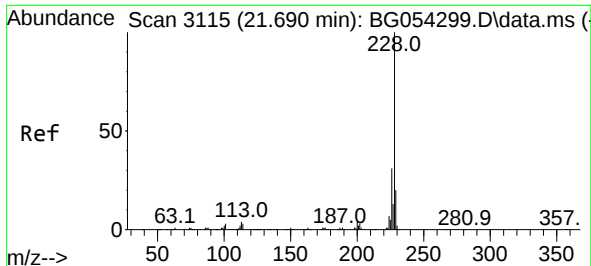
Tgt Ion:244 Resp: 529552
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.5 9.7
 122 4.0 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 2.447 ng
 RT: 21.610 min Scan# 3169
 Delta R.T. -0.009 min
 Lab File: BG054382.D
 Acq: 25 Jul 2022 16:33

Tgt Ion:228 Resp: 30086
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.6 32.4
 229 21.0 16.2 24.2

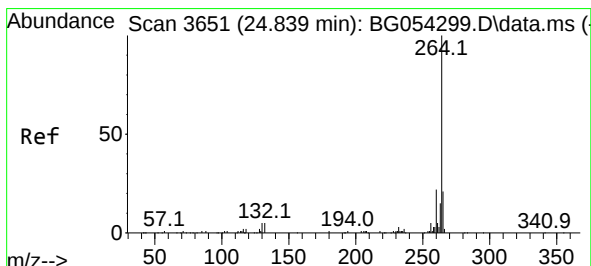
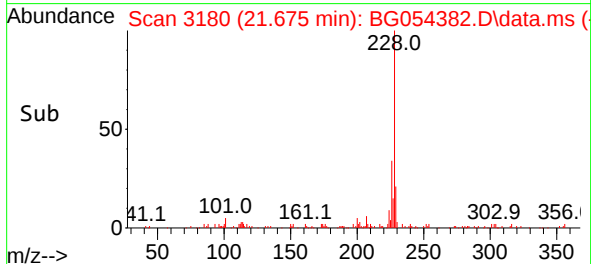
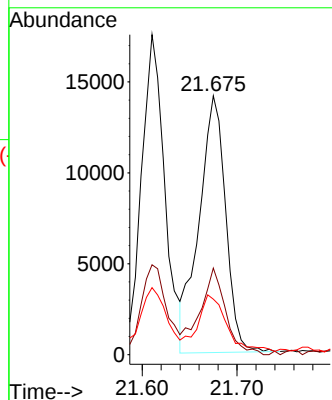
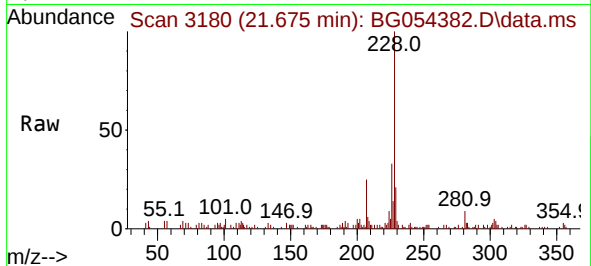




#83
Chrysene
Concen: 2.371 ng
RT: 21.675 min Scan# 3115
Delta R.T. -0.015 min
Lab File: BG054382.D
Acq: 25 Jul 2022 16:33

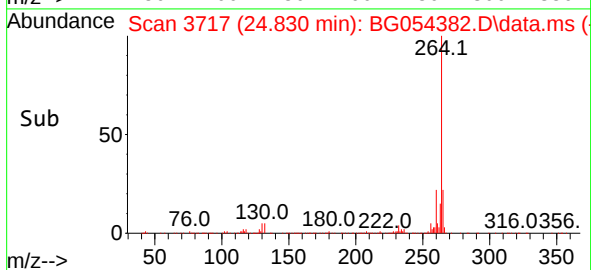
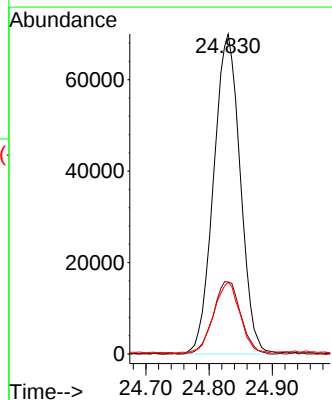
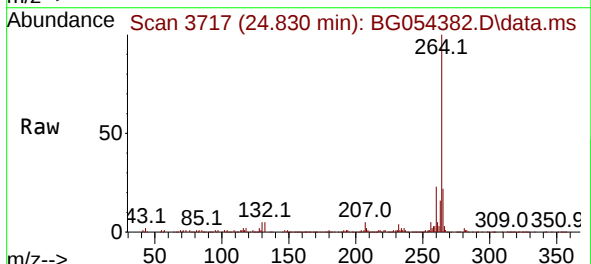
Instrument :
BNA_G
ClientSampleId :
SB-B

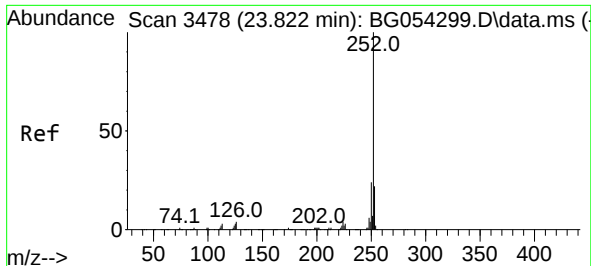
Tgt Ion:228	Resp:	27546
Ion Ratio	Lower	Upper
228	100	
226	33.4	23.4 35.2
229	21.5	15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.830 min Scan# 3717
Delta R.T. -0.009 min
Lab File: BG054382.D
Acq: 25 Jul 2022 16:33

Tgt Ion:264	Resp:	204854
Ion Ratio	Lower	Upper
264	100	
260	22.5	19.0 28.6
265	22.4	17.4 26.2

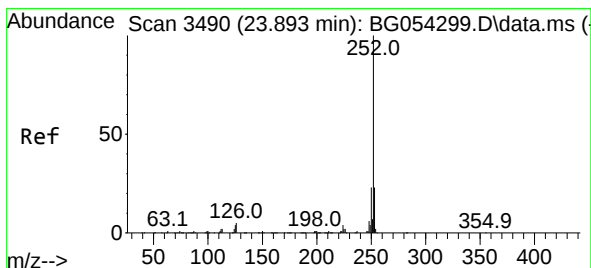
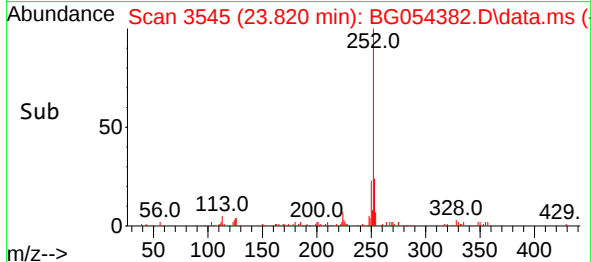
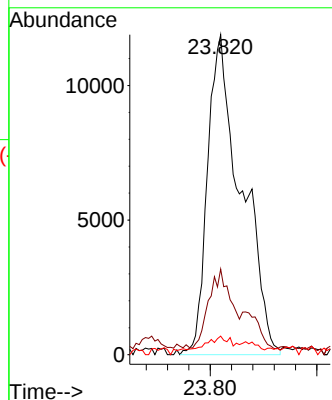
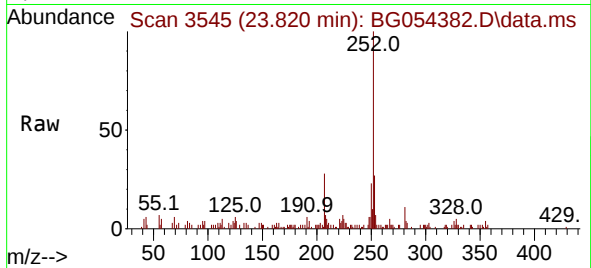




#88
Benzo(b)fluoranthene
Concen: 4.309 ng
RT: 23.820 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG054382.D
Acq: 25 Jul 2022 16:33

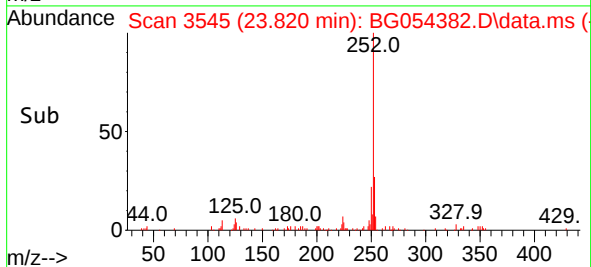
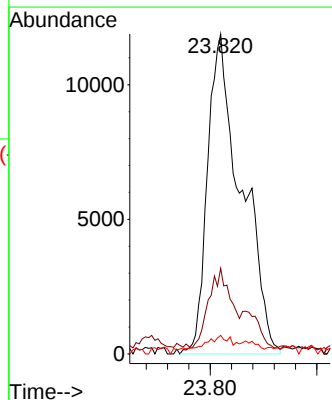
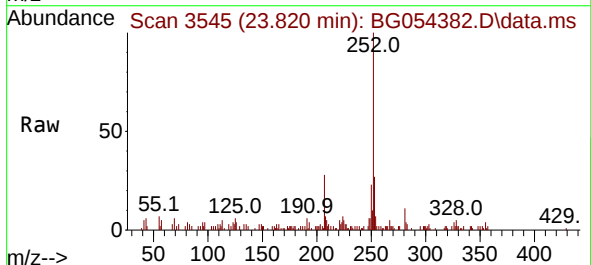
Instrument :
BNA_G
ClientSampleId :
SB-B

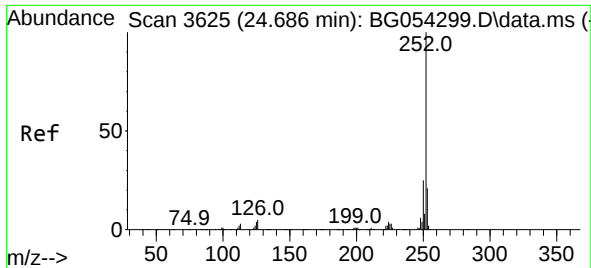
Tgt Ion:252 Resp: 52207
Ion Ratio Lower Upper
252 100
253 26.8 18.0 27.0
125 5.8 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 4.330 ng
RT: 23.820 min Scan# 3545
Delta R.T. -0.073 min
Lab File: BG054382.D
Acq: 25 Jul 2022 16:33

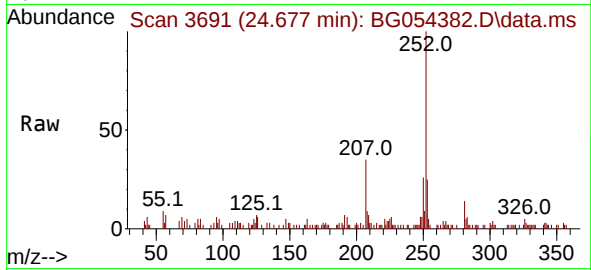
Tgt Ion:252 Resp: 52207
Ion Ratio Lower Upper
252 100
253 26.8 18.4 27.6
125 5.8 4.8 7.2





#90
Benzo(a)pyrene
Concen: 2.874 ng
RT: 24.677 min Scan# 30
Delta R.T. -0.009 min
Lab File: BG054382.D
Acq: 25 Jul 2022 16:33

Instrument :
BNA_G
ClientSampleId :
SB-B



Tgt Ion:252 Resp: 29733
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.8
125 7.4 4.3 6.5#

