

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080223\
 Data File : BG058581.D
 Acq On : 2 Aug 2023 16:47
 Operator : MA/JU
 Sample : 03686-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-20-0-2-20230720

Quant Time: Aug 03 02:43:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 22:29:07 2023
 Response via : Initial Calibration

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

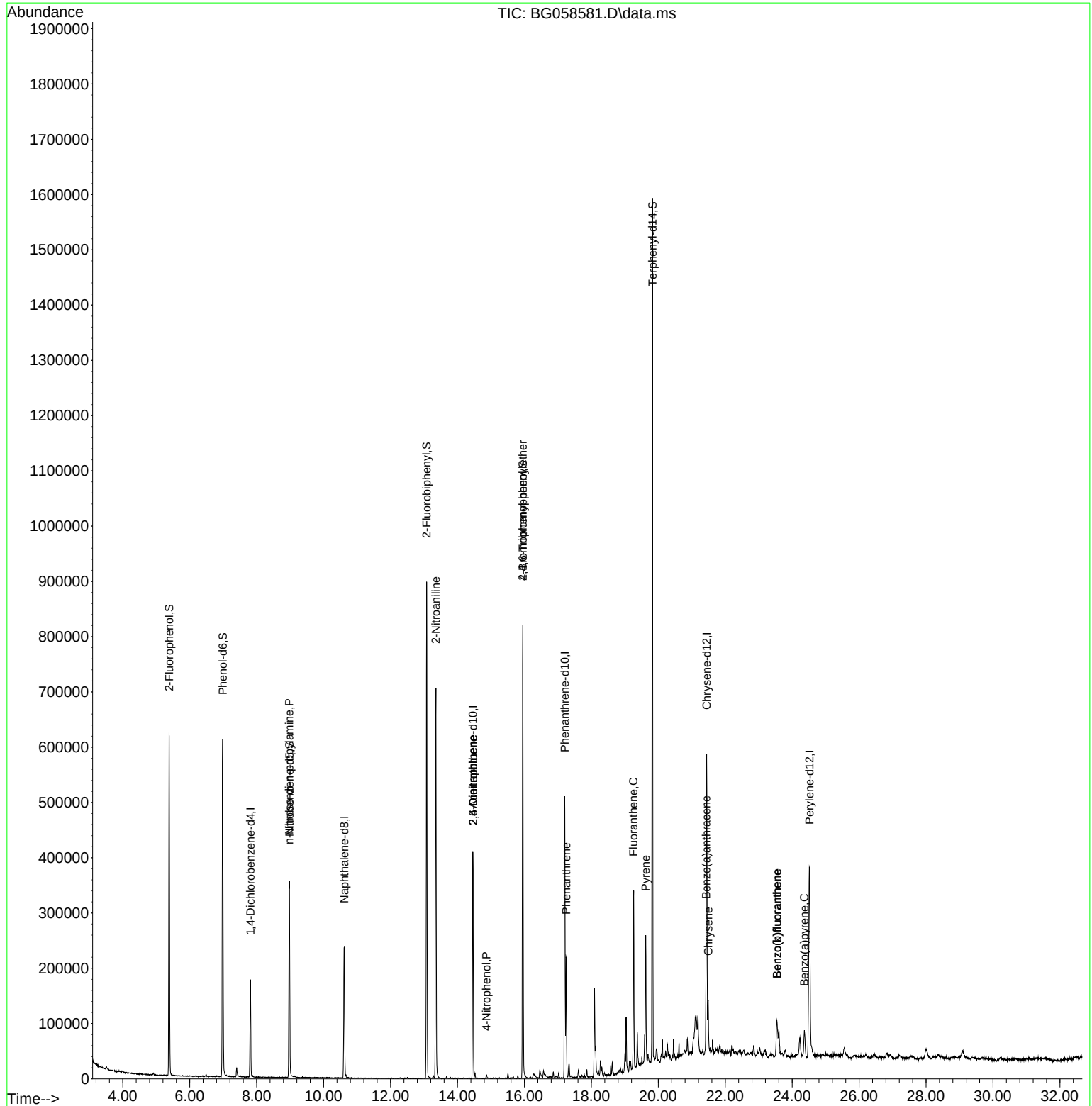
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.814	152	49654	20.000	ng	0.00
21) Naphthalene-d8	10.616	136	213510	20.000	ng	0.00
39) Acenaphthene-d10	14.459	164	150116	20.000	ng	0.00
64) Phenanthrene-d10	17.203	188	341278	20.000	ng	0.00
76) Chrysene-d12	21.445	240	300142	20.000	ng	0.00
86) Perylene-d12	24.518	264	376110	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	267885	82.461	ng	0.00
7) Phenol-d6	6.985	99	372333	82.367	ng	0.00
23) Nitrobenzene-d5	8.977	82	228637	52.606	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	179658	73.017	ng	0.00
45) 2-Fluorobiphenyl	13.078	172	497580	49.673	ng	0.00
79) Terphenyl-d14	19.823	244	811775	50.861	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.971	70	28669	9.819	ng	# 78
48) 2-Nitroaniline	13.354	65	13333	4.346	ng	# 19
51) 2,6-Dinitrotoluene	14.465	165	19096	7.719	ng	# 22
56) 4-Nitrophenol	14.864	139	1730	4.229	ng	# 3
57) 2,4-Dinitrotoluene	14.465	165	19096	5.568	ng	# 23
67) 4-Bromophenyl-phenylether	15.951	248	10970	2.834	ng	# 1
71) Phenanthrene	17.250	178	136157	8.413	ng	99
75) Fluoranthene	19.259	202	170360	8.763	ng	98
78) Pyrene	19.624	202	145940	7.145	ng	96
81) Benzo(a)anthracene	21.427	228	57688	2.793	ng	98
83) Chrysene	21.492	228	64931	3.279	ng	98
88) Benzo(b)fluoranthene	23.548	252	74388	3.647	ng	98
89) Benzo(k)fluoranthene	23.548	252	74388	3.630	ng	98
90) Benzo(a)pyrene	24.365	252	51421	2.567	ng	97

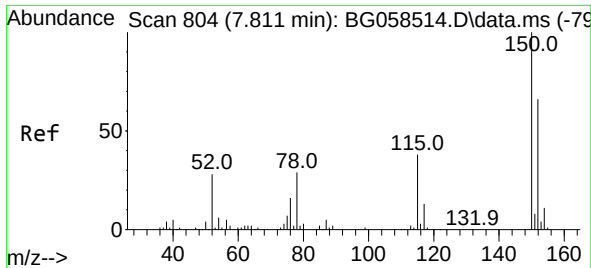
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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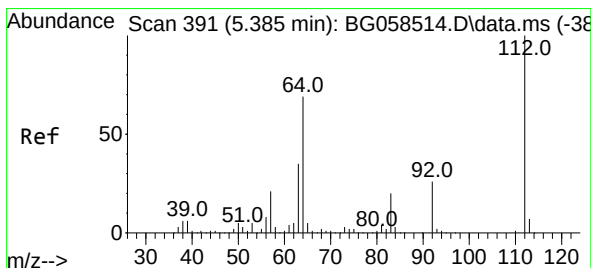
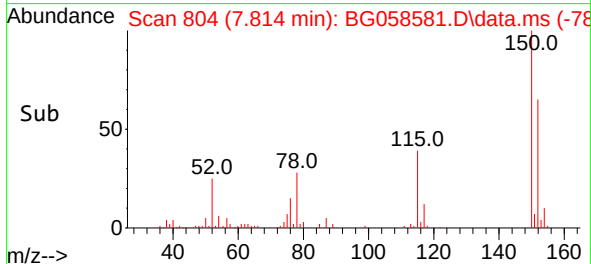
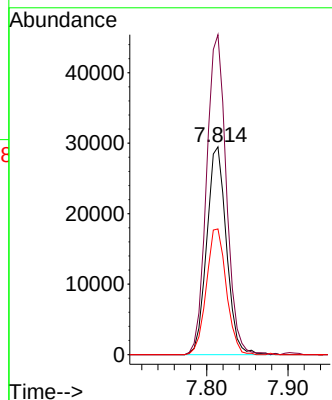
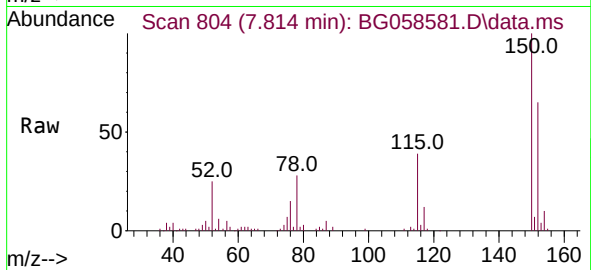




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.814 min Scan# 804
 Delta R.T. 0.003 min
 Lab File: BG058581.D
 Acq: 2 Aug 2023 16:47

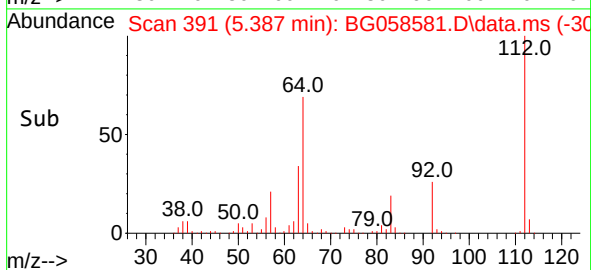
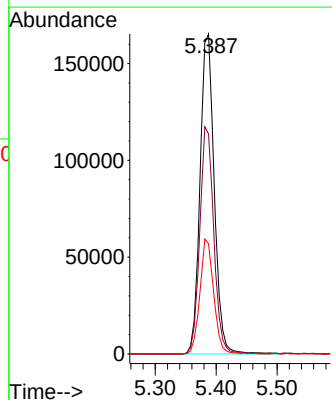
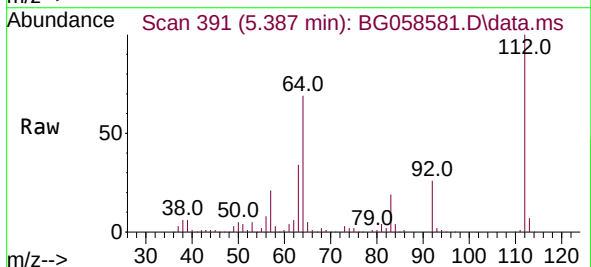
Instrument :
 BNA_G
 ClientSampleId :
 SB-20-0-2-20230720

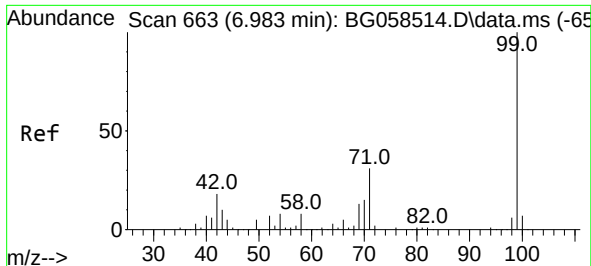
Tgt Ion:152 Resp: 49654
 Ion Ratio Lower Upper
 152 100
 150 154.0 120.5 180.7
 115 60.5 45.9 68.9



#5
 2-Fluorophenol
 Concen: 82.461 ng
 RT: 5.387 min Scan# 391
 Delta R.T. 0.003 min
 Lab File: BG058581.D
 Acq: 2 Aug 2023 16:47

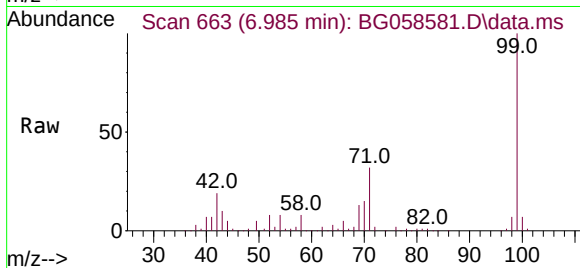
Tgt Ion:112 Resp: 267885
 Ion Ratio Lower Upper
 112 100
 64 68.8 55.3 82.9
 63 34.4 28.3 42.5



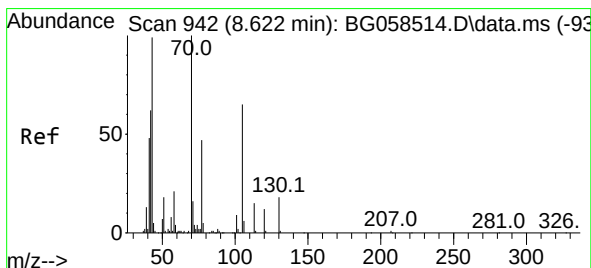
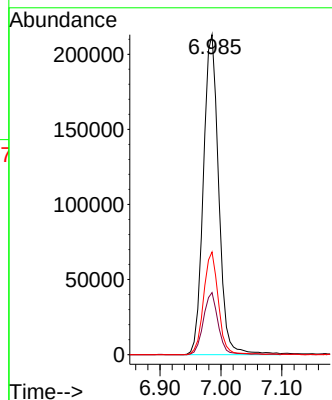
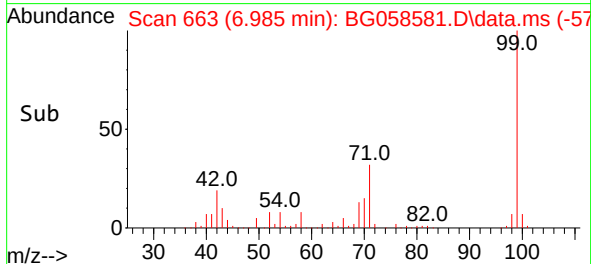


#7
Phenol-d6
Concen: 82.367 ng
RT: 6.985 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

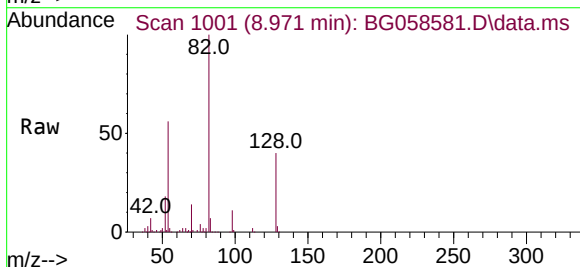
Instrument :
BNA_G
ClientSampleId :
SB-20-0-2-20230720



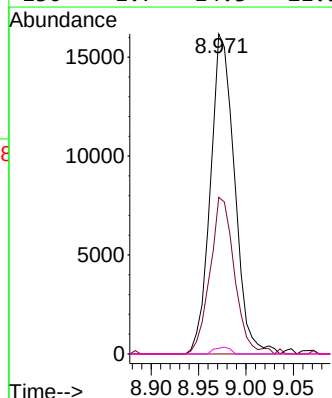
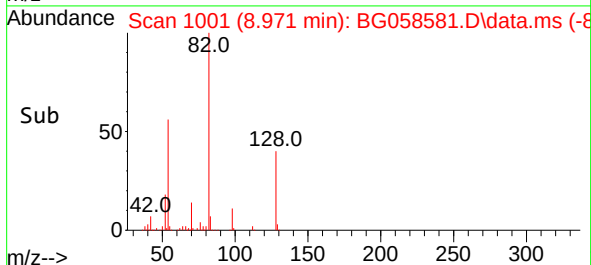
Tgt Ion: 99 Resp: 372333
Ion Ratio Lower Upper
99 100
42 19.4 14.6 21.8
71 32.1 25.0 37.4

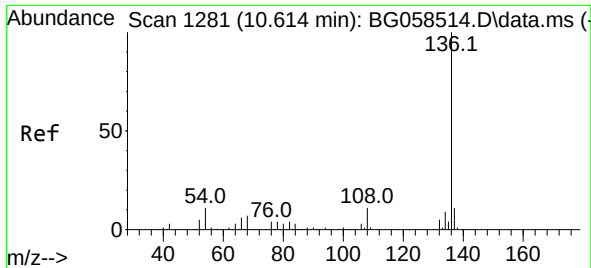


#19
n-Nitroso-di-n-propylamine
Concen: 9.819 ng
RT: 8.971 min Scan# 1001
Delta R.T. 0.349 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47



Tgt Ion: 70 Resp: 28669
Ion Ratio Lower Upper
70 100
42 48.9 49.7 74.5#
101 0.0 7.0 10.4#
130 1.7 14.3 21.5#

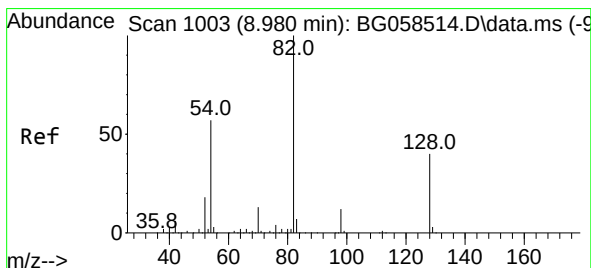
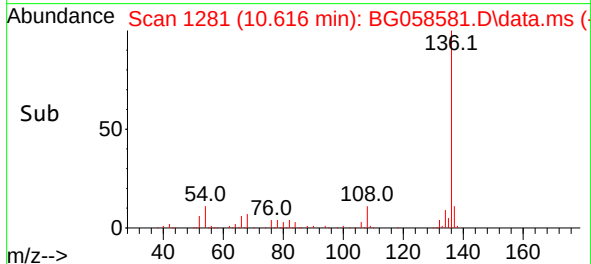
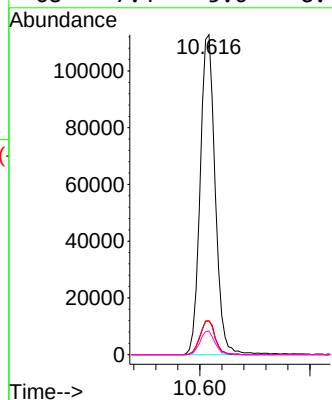
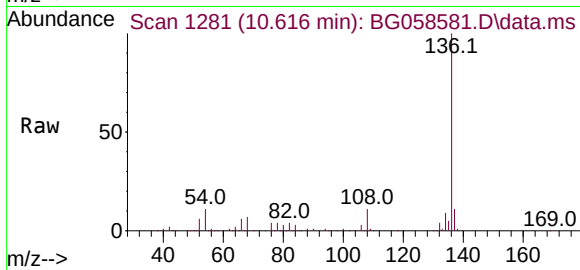




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.616 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

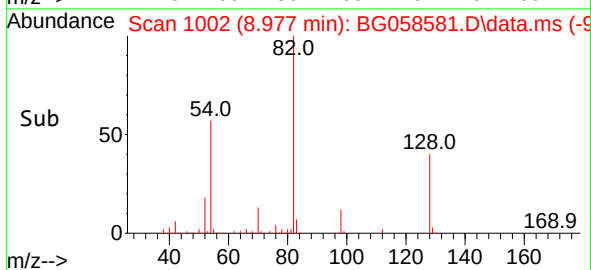
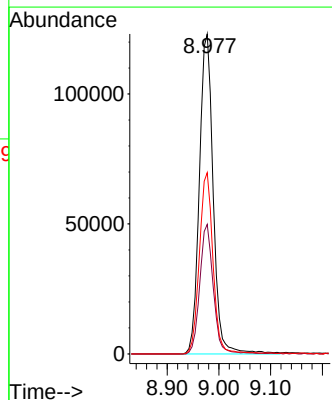
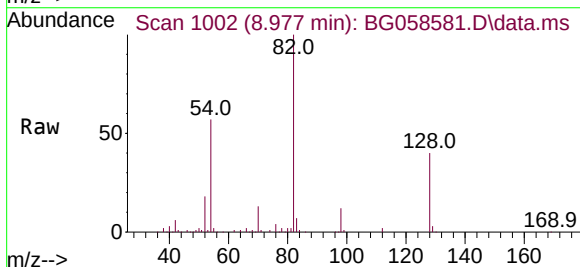
Instrument :
BNA_G
ClientSampleId :
SB-20-0-2-20230720

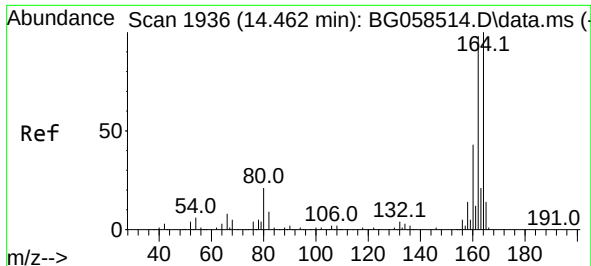
Tgt Ion:	136	Resp:	213510
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	10.6	8.9	13.3
68	7.4	5.6	8.4



#23
Nitrobenzene-d5
Concen: 52.606 ng
RT: 8.977 min Scan# 1002
Delta R.T. -0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

Tgt Ion:	82	Resp:	228637
Ion	Ratio	Lower	Upper
82	100		
128	40.5	32.2	48.2
54	56.6	46.0	69.0

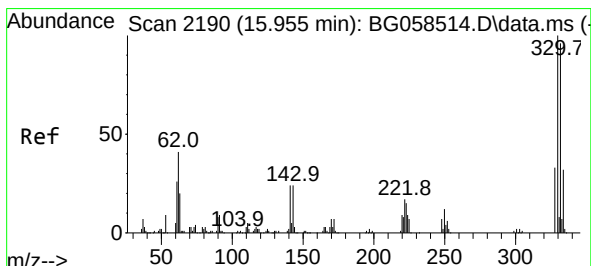
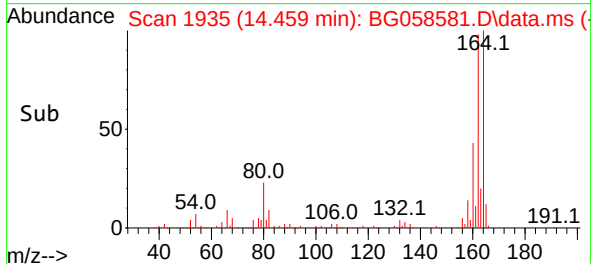
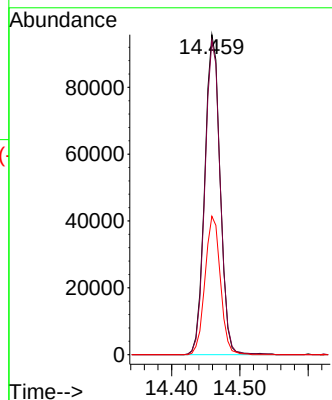
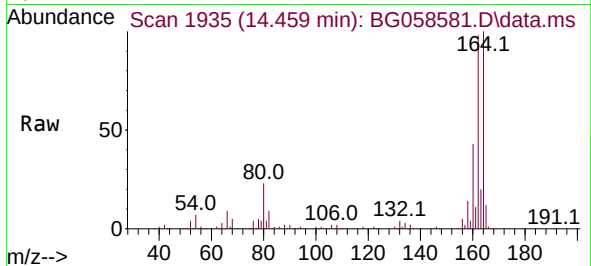




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.459 min Scan# 1935
Delta R.T. -0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

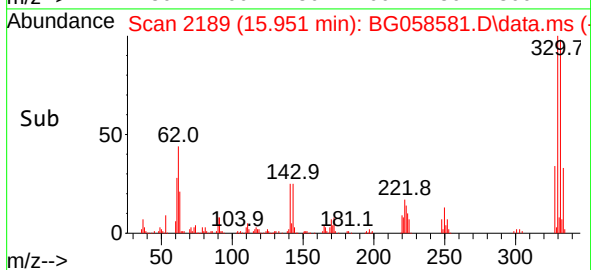
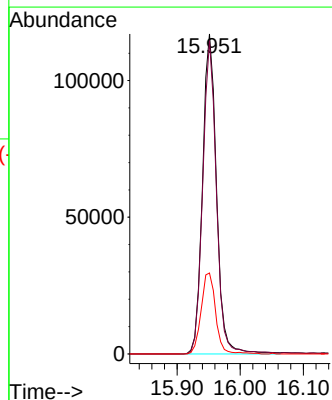
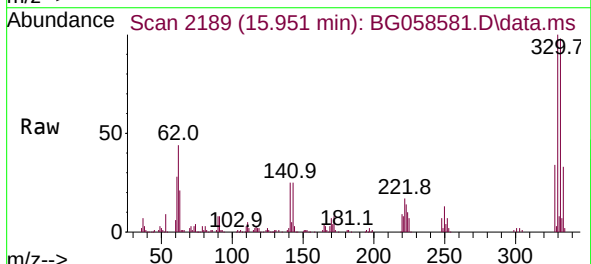
Instrument :
BNA_G
ClientSampleId :
SB-20-0-2-20230720

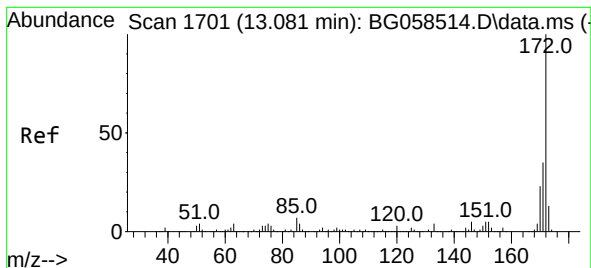
Tgt Ion:164 Resp: 150116
Ion Ratio Lower Upper
164 100
162 98.1 78.3 117.5
160 43.2 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 73.017 ng
RT: 15.951 min Scan# 2189
Delta R.T. -0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

Tgt Ion:330 Resp: 179658
Ion Ratio Lower Upper
330 100
332 95.6 77.5 116.3
141 26.2 20.7 31.1

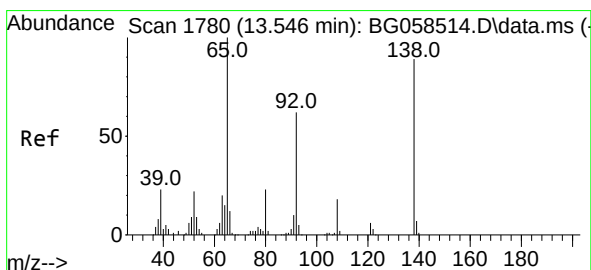
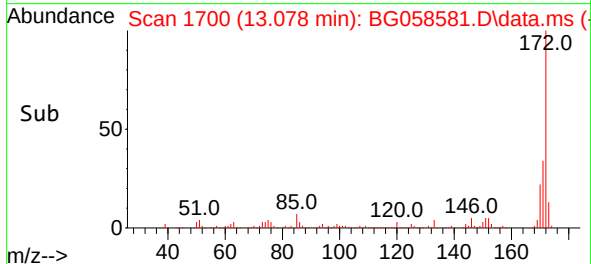
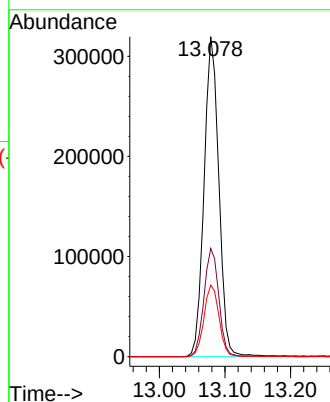
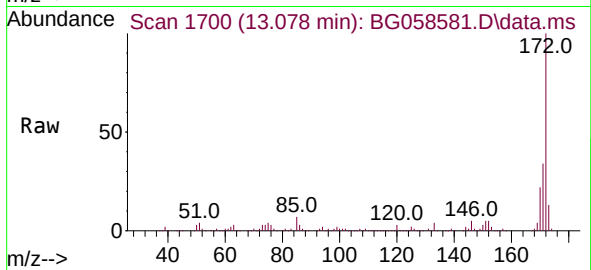




#45
2-Fluorobiphenyl
Concen: 49.673 ng
RT: 13.078 min Scan# 1701
Delta R.T. -0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

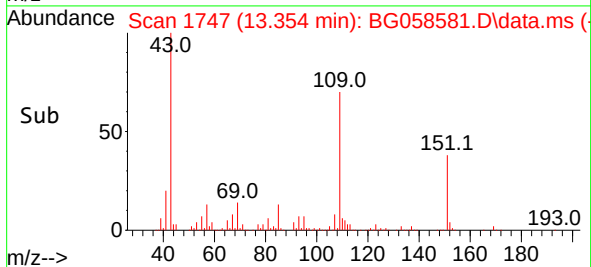
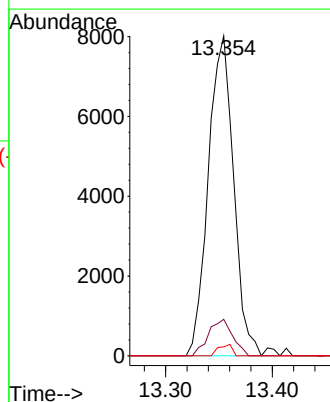
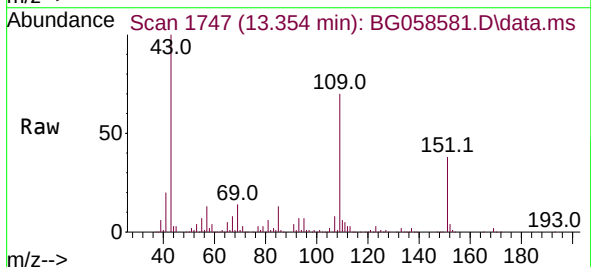
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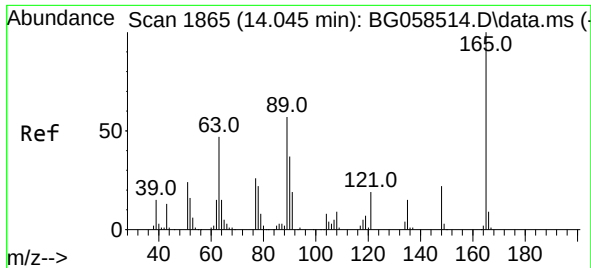
Tgt Ion:172 Resp: 497580
Ion Ratio Lower Upper
172 100
171 33.8 28.0 42.0
170 22.4 18.4 27.6



#48
2-Nitroaniline
Concen: 4.346 ng
RT: 13.354 min Scan# 1747
Delta R.T. -0.191 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

Tgt Ion: 65 Resp: 13333
Ion Ratio Lower Upper
65 100
92 11.4 49.2 73.8#
138 2.8 71.5 107.3#

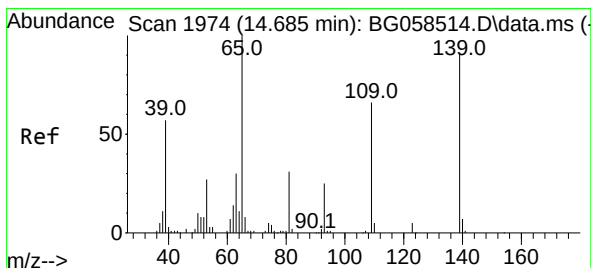
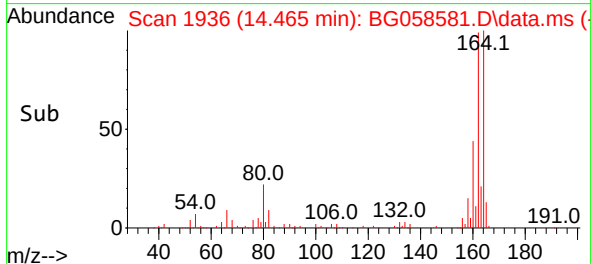
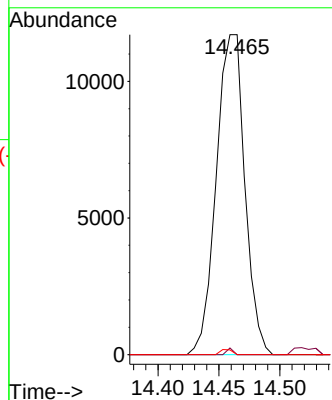
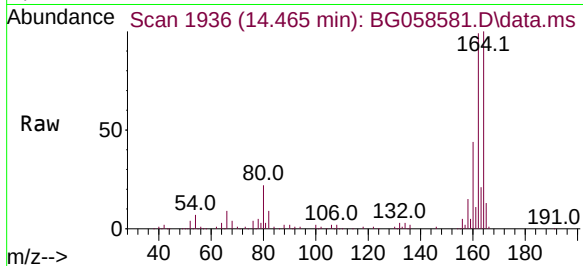




#51
2,6-Dinitrotoluene
Concen: 7.719 ng
RT: 14.465 min Scan# 1936
Delta R.T. 0.420 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

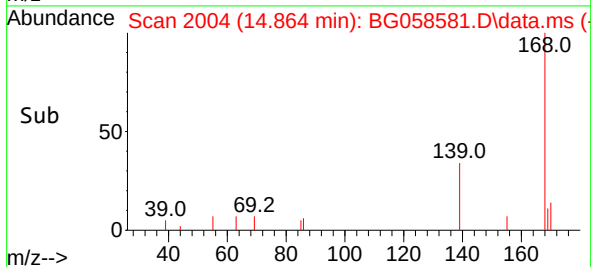
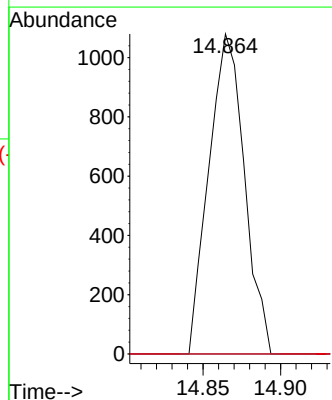
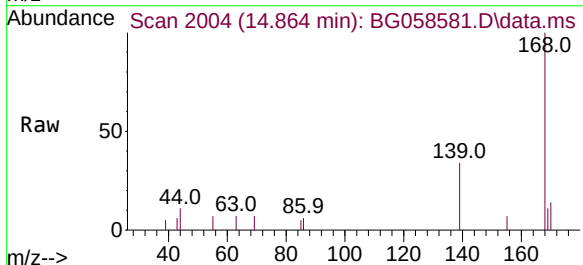
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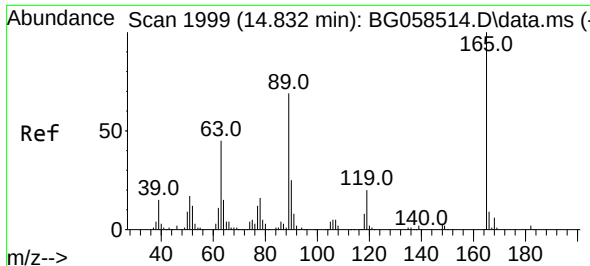
Tgt Ion:165 Resp: 19096
Ion Ratio Lower Upper
165 100
63 0.0 46.4 69.6#
89 0.0 45.3 67.9#



#56
4-Nitrophenol
Concen: 4.229 ng
RT: 14.864 min Scan# 2004
Delta R.T. 0.179 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

Tgt Ion:139 Resp: 1730
Ion Ratio Lower Upper
139 100
109 0.0 52.5 92.5#
65 0.0 90.5 130.5#





#57

2,4-Dinitrotoluene

Concen: 5.568 ng

RT: 14.465 min Scan# 1999

Delta R.T. -0.367 min

Lab File: BG058581.D

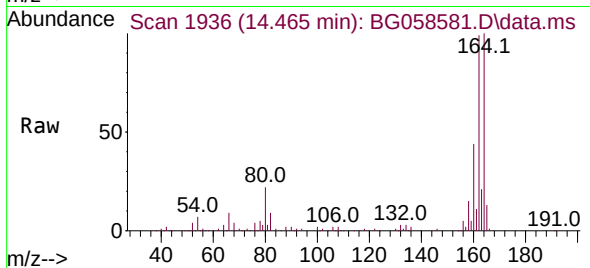
Acq: 2 Aug 2023 16:47

Instrument :

BNA_G

ClientSampleId :

SB-20-0-2-20230720



Tgt Ion:165 Resp: 19096

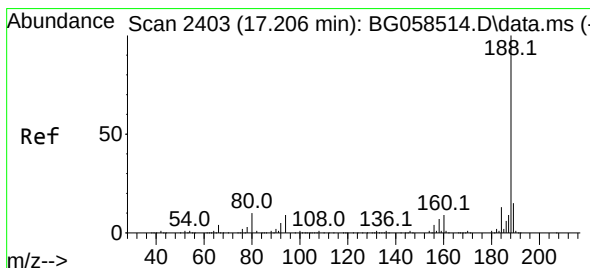
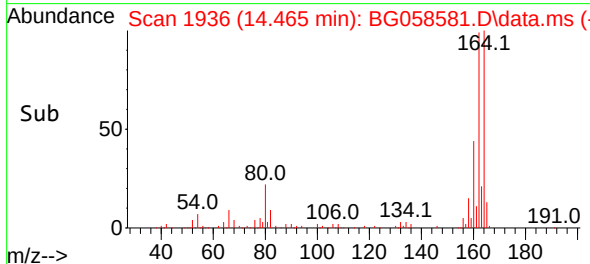
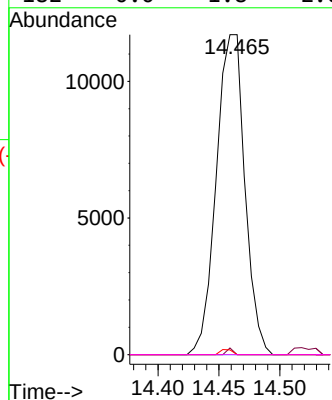
Ion Ratio Lower Upper

165 100

63 0.0 36.6 54.8#

89 0.0 55.4 83.0#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.203 min Scan# 2402

Delta R.T. -0.003 min

Lab File: BG058581.D

Acq: 2 Aug 2023 16:47

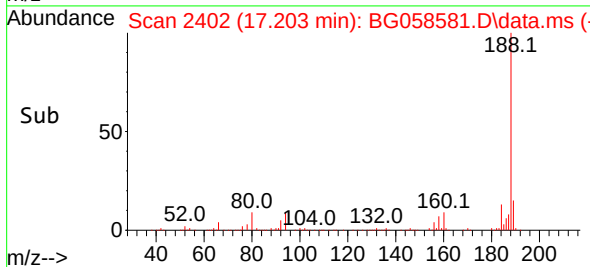
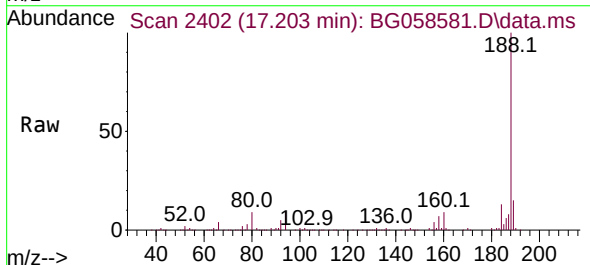
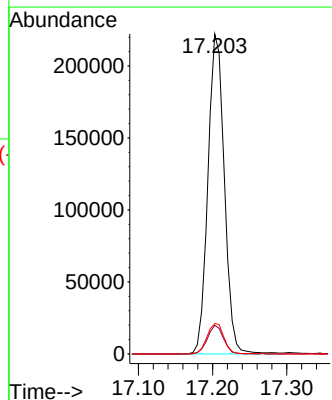
Tgt Ion:188 Resp: 341278

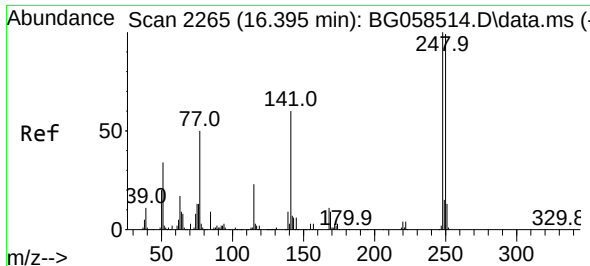
Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.6

80 9.5 8.1 12.1

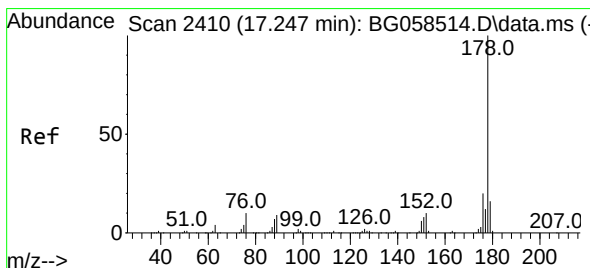
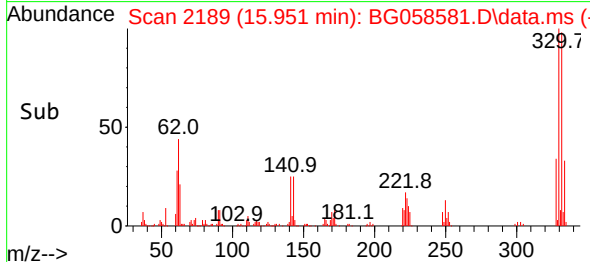
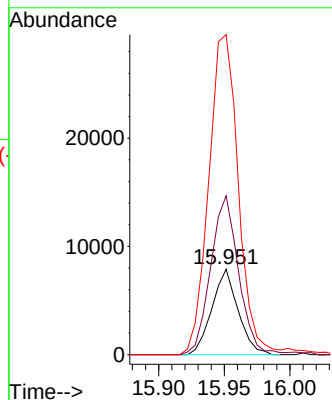
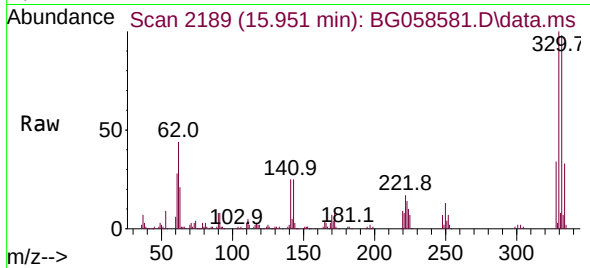




#67
4-Bromophenyl-phenylether
Concen: 2.834 ng
RT: 15.951 min Scan# 2189
Delta R.T. -0.444 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

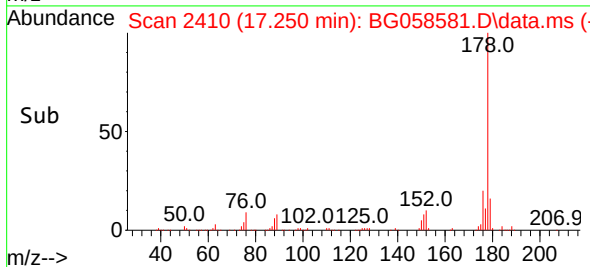
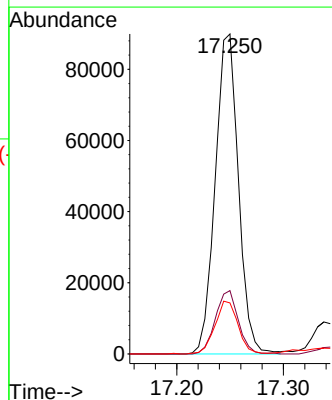
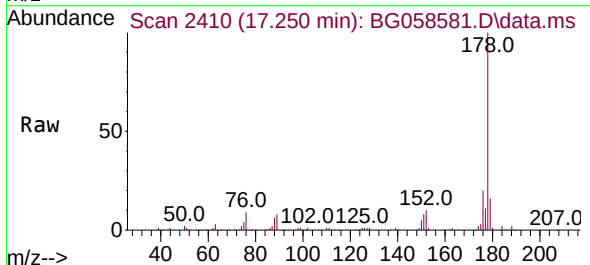
Instrument :
BNA_G
ClientSampleId :
SB-20-0-2-20230720

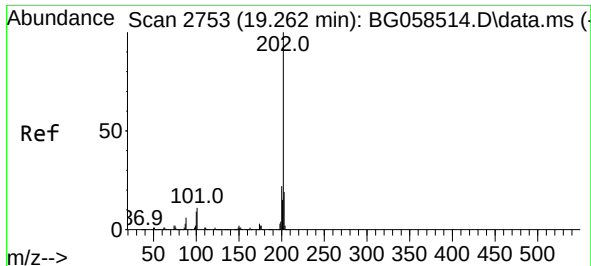
Tgt Ion:248 Resp: 10970
Ion Ratio Lower Upper
248 100
250 186.0 79.5 119.3#
141 374.8 48.2 72.2#



#71
Phenanthrene
Concen: 8.413 ng
RT: 17.250 min Scan# 2410
Delta R.T. 0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

Tgt Ion:178 Resp: 136157
Ion Ratio Lower Upper
178 100
176 19.8 16.3 24.5
179 15.9 13.1 19.7

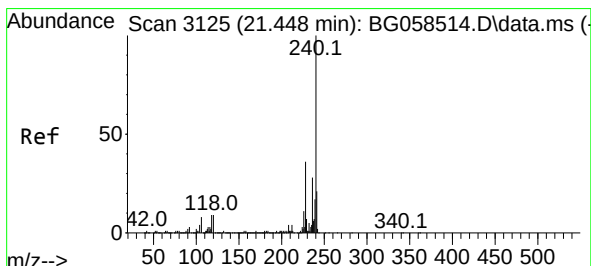
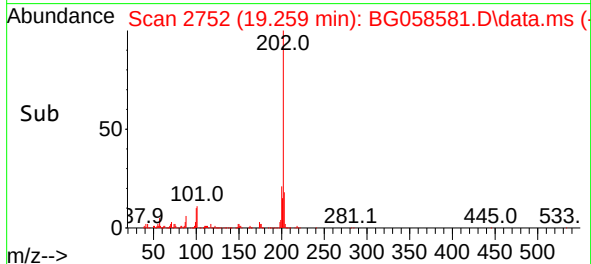
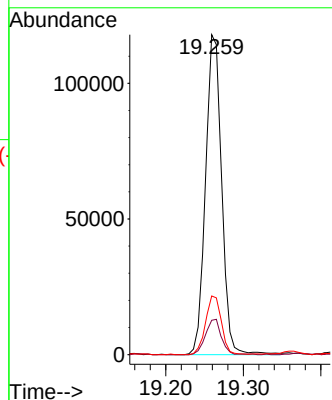
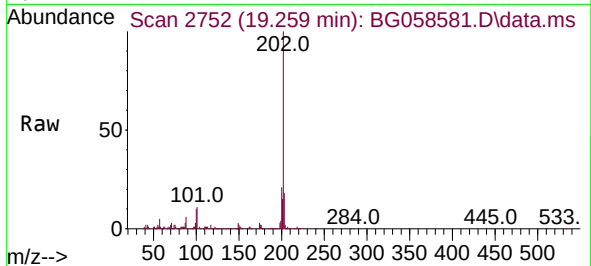




#75
Fluoranthene
Concen: 8.763 ng
RT: 19.259 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

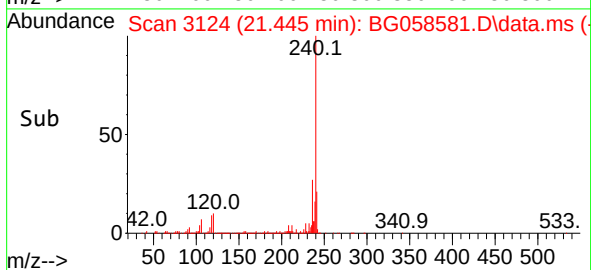
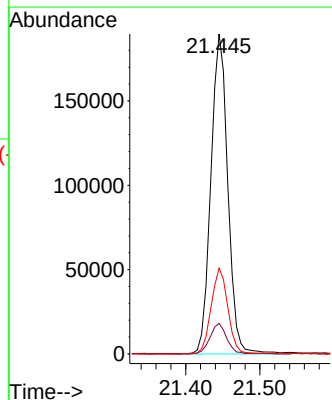
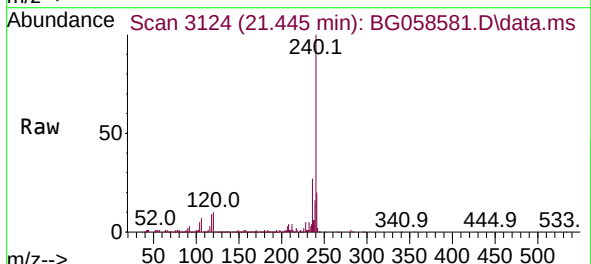
Instrument :
BNA_G
ClientSampleId :
SB-20-0-2-20230720

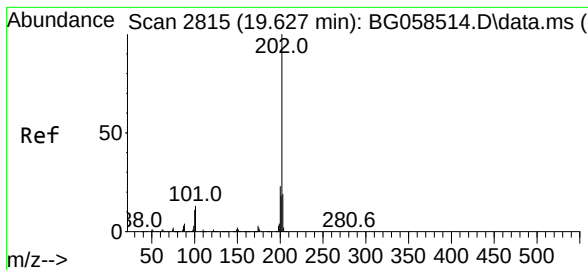
Tgt Ion:202 Resp: 170360
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.4
203 18.3 0.0 39.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3124
Delta R.T. -0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

Tgt Ion:240 Resp: 300142
Ion Ratio Lower Upper
240 100
120 9.5 7.4 11.0
236 26.8 22.2 33.4





#78

Pyrene

Concen: 7.145 ng

RT: 19.624 min Scan# 2815

Delta R.T. -0.003 min

Lab File: BG058581.D

Acq: 2 Aug 2023 16:47

Instrument :

BNA_G

ClientSampleId :

SB-20-0-2-20230720

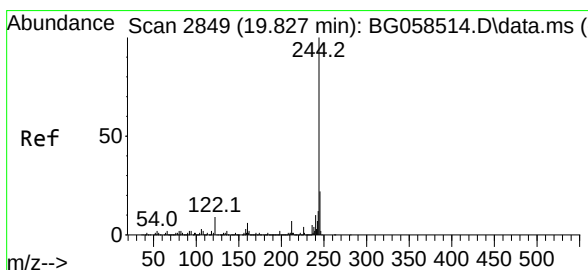
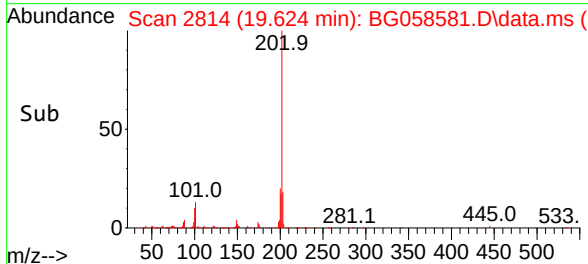
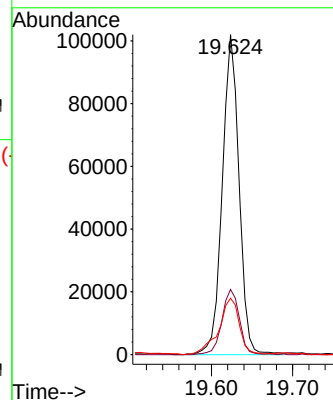
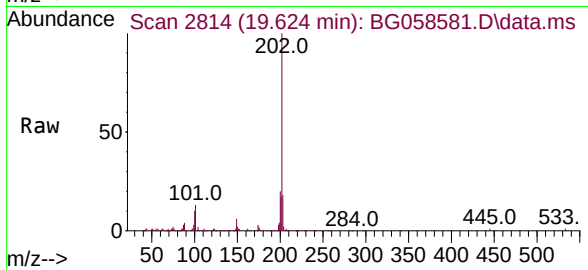
Tgt Ion:202 Resp: 145940

Ion Ratio Lower Upper

202 100

200 20.4 18.2 27.2

203 17.6 15.1 22.7



#79

Terphenyl-d14

Concen: 50.861 ng

RT: 19.823 min Scan# 2848

Delta R.T. -0.003 min

Lab File: BG058581.D

Acq: 2 Aug 2023 16:47

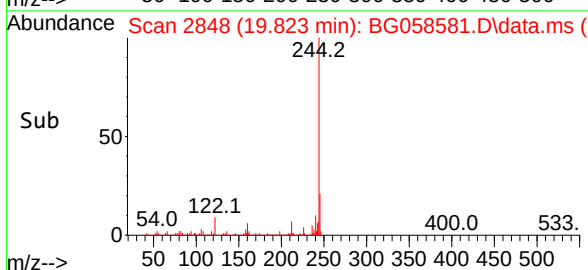
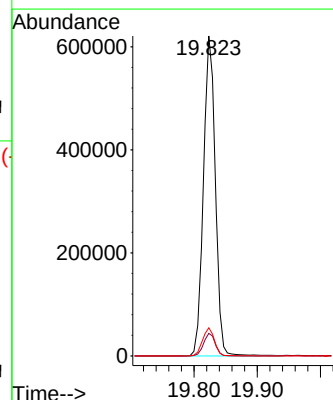
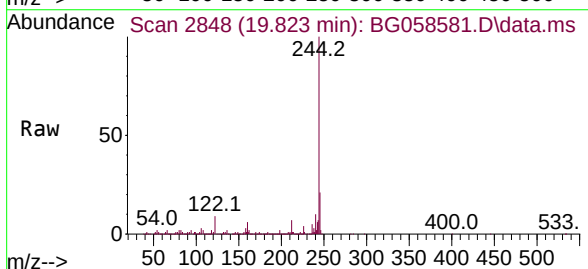
Tgt Ion:244 Resp: 811775

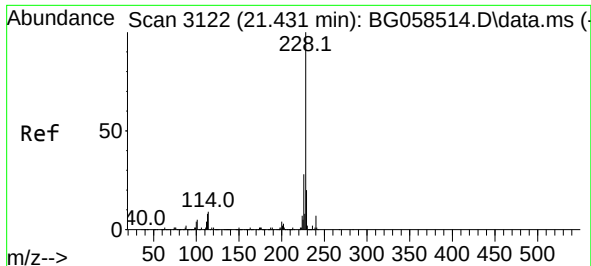
Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 8.8 6.8 10.2

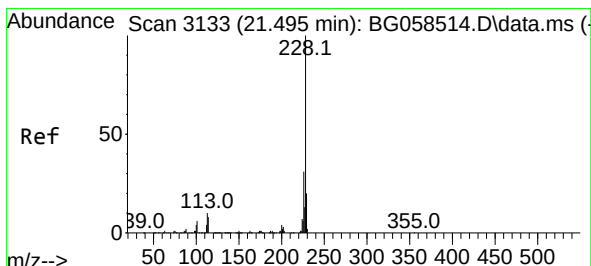
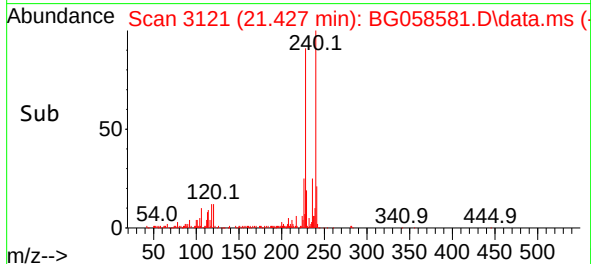
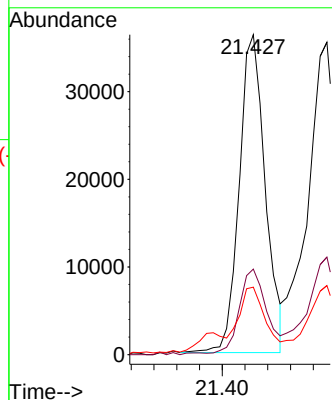
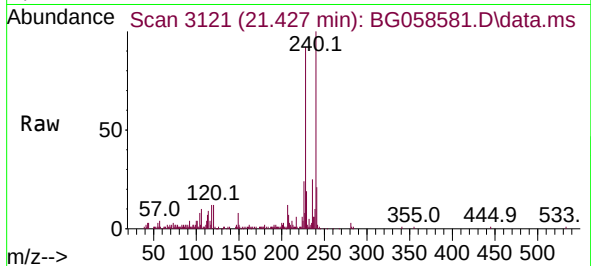




#81
Benzo(a)anthracene
Concen: 2.793 ng
RT: 21.427 min Scan# 3121
Delta R.T. -0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

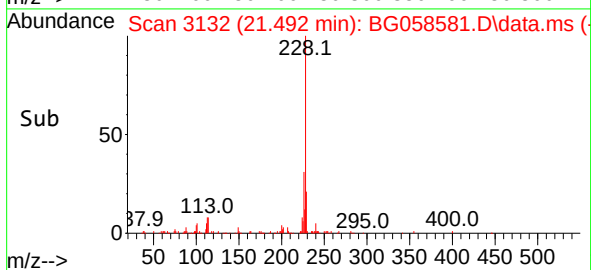
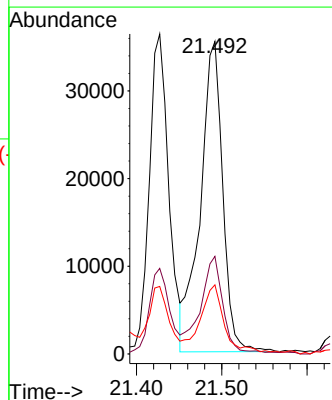
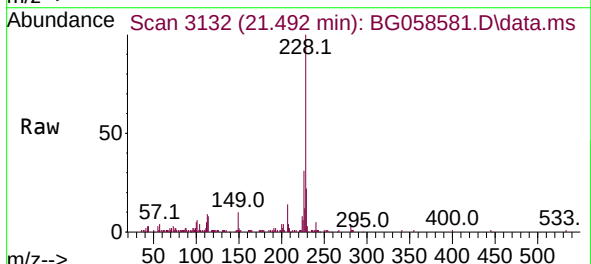
Instrument :
BNA_G
ClientSampleId :
SB-20-0-2-20230720

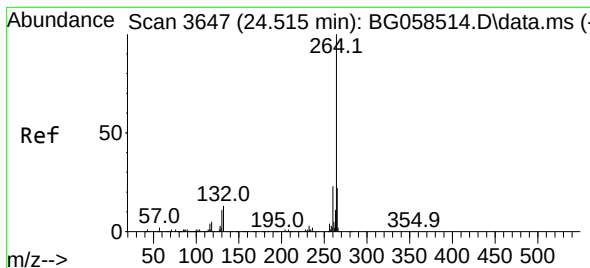
Tgt Ion:228 Resp: 57688
Ion Ratio Lower Upper
228 100
226 26.7 22.6 33.8
229 21.1 16.3 24.5



#83
Chrysene
Concen: 3.279 ng
RT: 21.492 min Scan# 3132
Delta R.T. -0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

Tgt Ion:228 Resp: 64931
Ion Ratio Lower Upper
228 100
226 31.2 25.0 37.6
229 22.1 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.518 min Scan# 3647

Delta R.T. 0.003 min

Lab File: BG058581.D

Acq: 2 Aug 2023 16:47

Instrument :

BNA_G

ClientSampleId :

SB-20-0-2-20230720

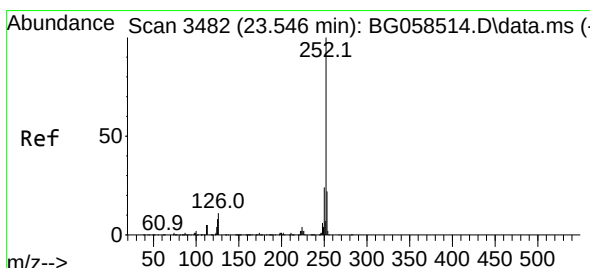
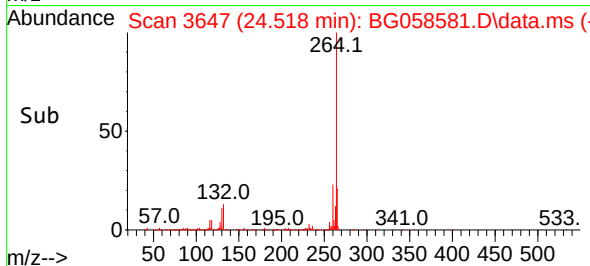
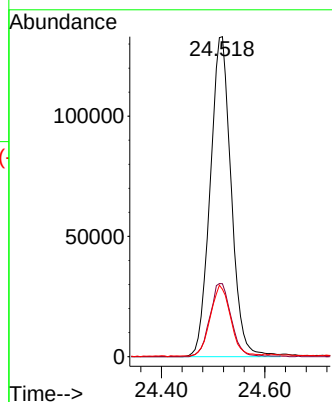
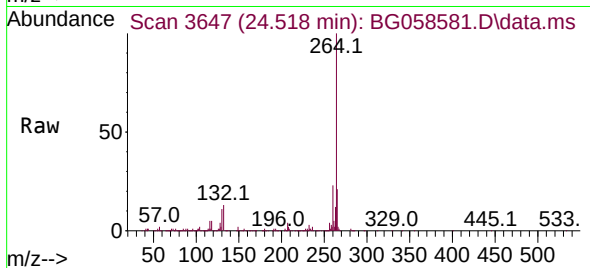
Tgt Ion:264 Resp: 376110

Ion Ratio Lower Upper

264 100

260 22.8 18.4 27.6

265 21.0 17.9 26.9



#88

Benzo(b)fluoranthene

Concen: 3.647 ng

RT: 23.548 min Scan# 3482

Delta R.T. 0.003 min

Lab File: BG058581.D

Acq: 2 Aug 2023 16:47

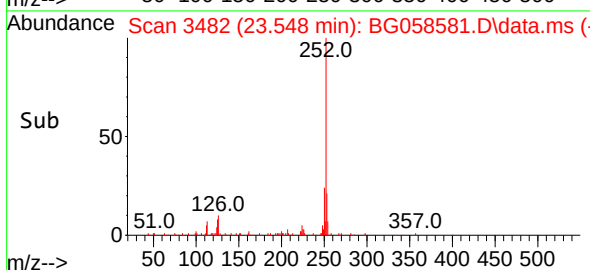
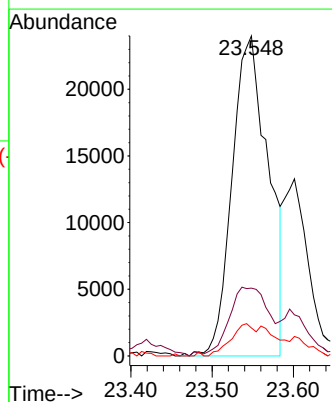
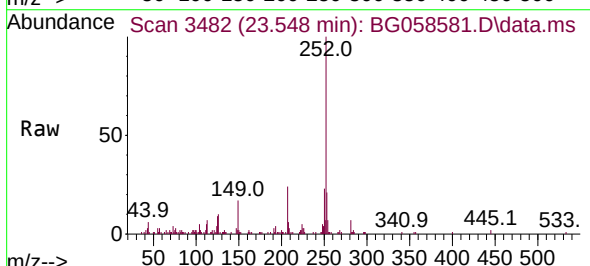
Tgt Ion:252 Resp: 74388

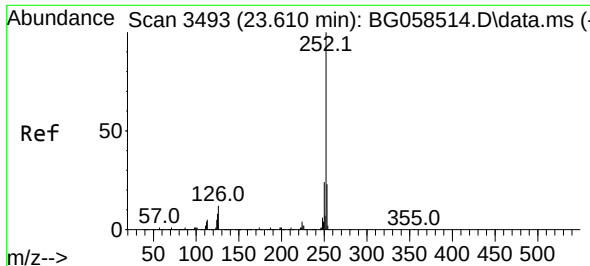
Ion Ratio Lower Upper

252 100

253 21.2 17.8 26.8

125 8.7 6.6 9.8

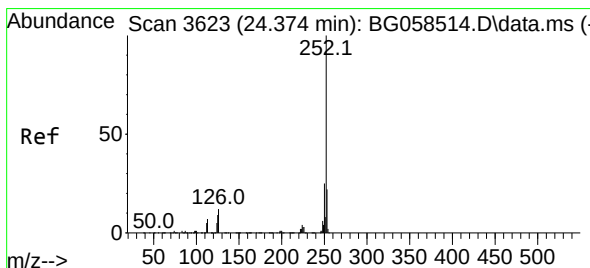
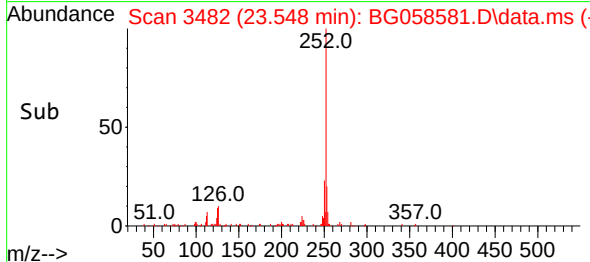
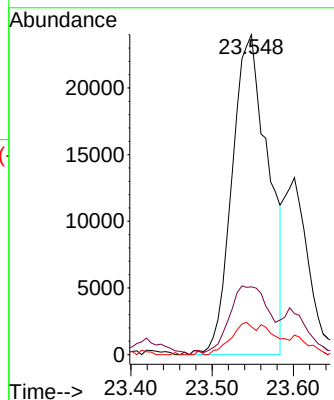
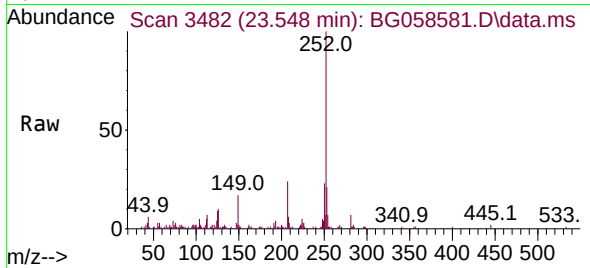




#89
Benzo(k)fluoranthene
Concen: 3.630 ng
RT: 23.548 min Scan# 3493
Delta R.T. -0.062 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

Instrument :
BNA_G
ClientSampleId :
SB-20-0-2-20230720

Tgt Ion:252 Resp: 74388
Ion Ratio Lower Upper
252 100
253 21.2 17.9 26.9
125 8.7 6.6 10.0



#90
Benzo(a)pyrene
Concen: 2.567 ng
RT: 24.365 min Scan# 3621
Delta R.T. -0.009 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

Tgt Ion:252 Resp: 51421
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 9.4 7.4 11.2

