

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072823\
 Data File : BG058528.D
 Acq On : 28 Jul 2023 21:45
 Operator : MA/JU
 Sample : 03719-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-P22B

Quant Time: Jul 29 01:05:25 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)

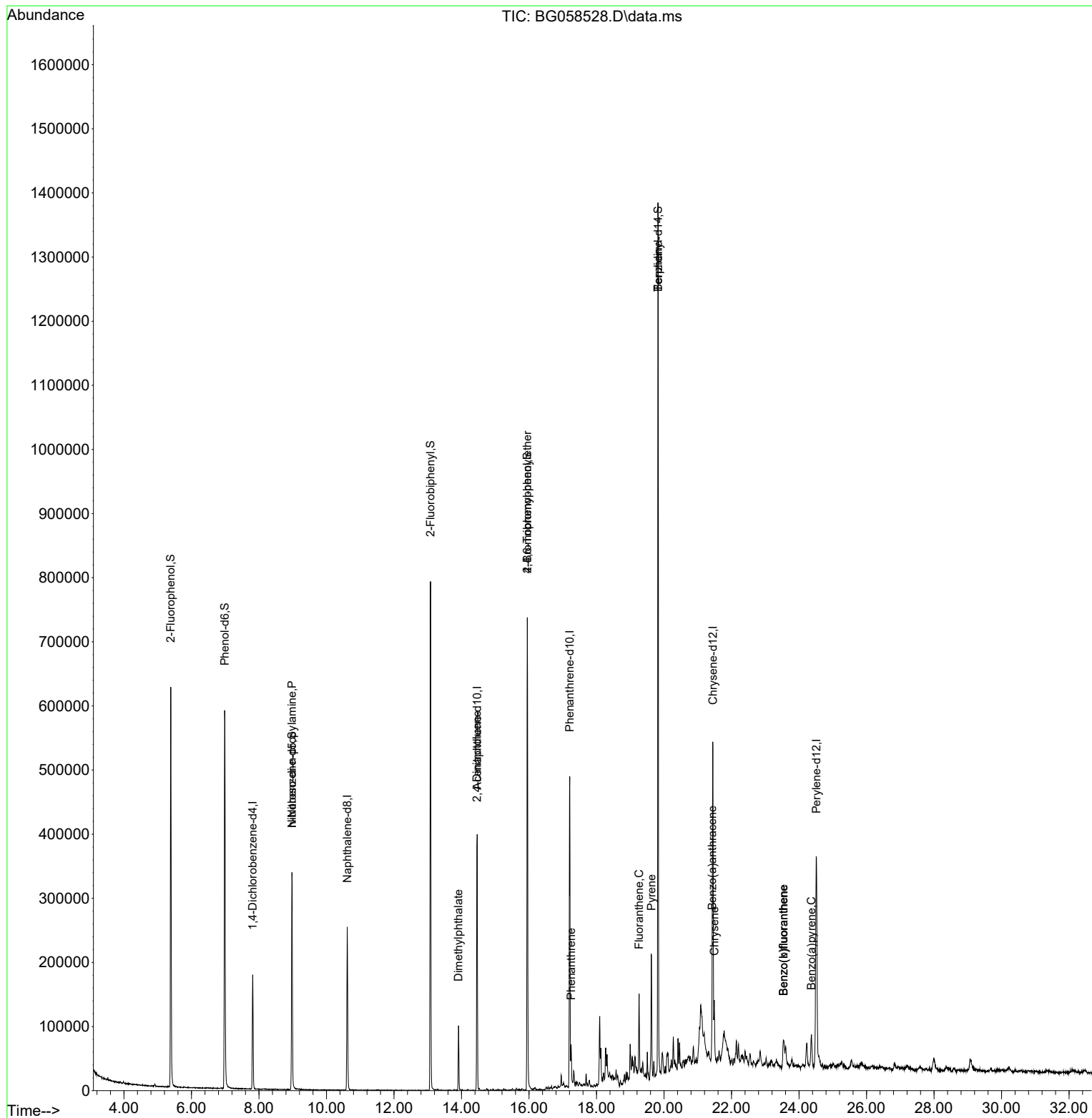
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	51167	20.000	ng	0.00
21) Naphthalene-d8	10.614	136	213956	20.000	ng	0.00
39) Acenaphthene-d10	14.462	164	143863	20.000	ng	0.00
64) Phenanthrene-d10	17.206	188	319370	20.000	ng	0.00
76) Chrysene-d12	21.448	240	281478	20.000	ng	0.00
86) Perylene-d12	24.515	264	351762	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.385	112	274398	81.968	ng	0.00
7) Phenol-d6	6.983	99	382972	82.215	ng	0.00
23) Nitrobenzene-d5	8.975	82	216671	49.749	ng	0.00
42) 2,4,6-Tribromophenol	15.949	330	166629	70.665	ng	0.00
45) 2-Fluorobiphenyl	13.082	172	457217	47.627	ng	0.00
79) Terphenyl-d14	19.821	244	727330	48.592	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	8.975	70	26639	8.854	ng	# 80
50) Dimethylphthalate	13.910	163	71130	6.583	ng	100
57) 2,4-Dinitrotoluene	14.457	165	18872	5.742	ng	# 23
67) 4-Bromophenyl-phenylether	15.949	248	10205	2.817	ng	# 1
71) Phenanthrene	17.247	178	38063	2.513	ng	98
75) Fluoranthene	19.263	202	65993	3.627	ng	98
77) Benzidine	19.827	184	9175	2.150	ng	# 75
78) Pyrene	19.627	202	128210	6.693	ng	96
81) Benzo(a)anthracene	21.425	228	61655	3.183	ng	98
83) Chrysene	21.490	228	60961	3.282	ng	99
88) Benzo(b)fluoranthene	23.540	252	54184	2.840	ng	# 95
89) Benzo(k)fluoranthene	23.540	252	54184	2.827	ng	# 95
90) Benzo(a)pyrene	24.369	252	52609	2.808	ng	97

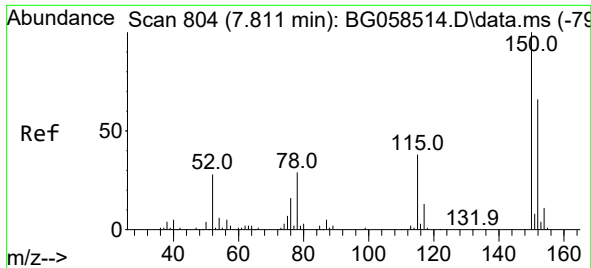
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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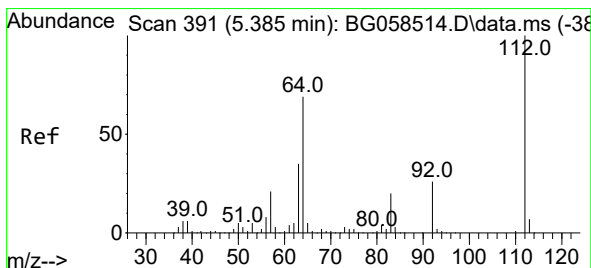
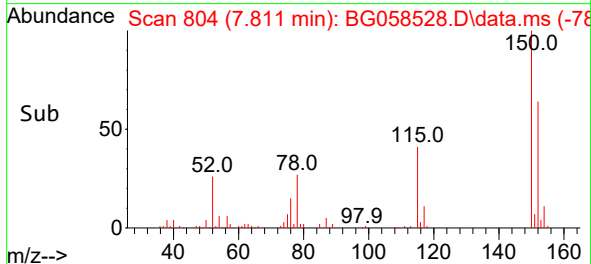
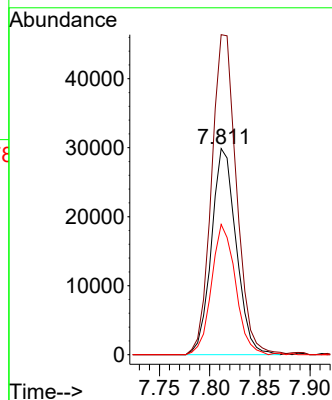
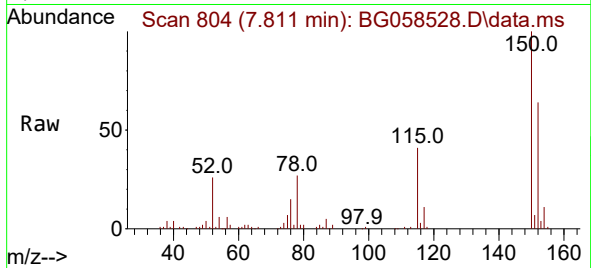




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.811 min Scan# 804
Delta R.T. 0.000 min
Lab File: BG058528.D
Acq: 28 Jul 2023 21:45

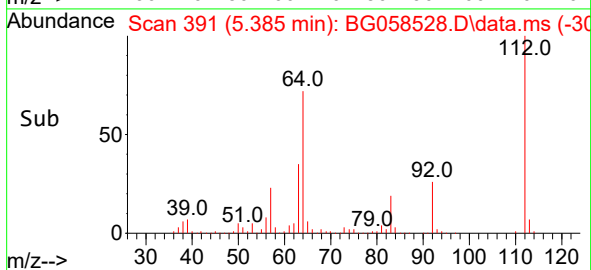
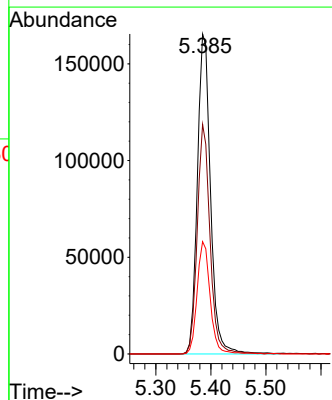
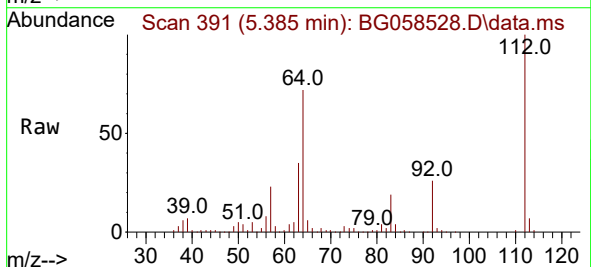
Instrument :
BNA_G
ClientSampleId :
B-P22B

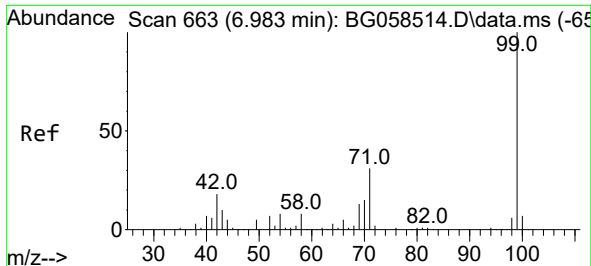
Tgt Ion:152 Resp: 51167
Ion Ratio Lower Upper
152 100
150 155.3 120.5 180.7
115 63.2 45.9 68.9



#5
2-Fluorophenol
Concen: 81.968 ng
RT: 5.385 min Scan# 391
Delta R.T. 0.000 min
Lab File: BG058528.D
Acq: 28 Jul 2023 21:45

Tgt Ion:112 Resp: 274398
Ion Ratio Lower Upper
112 100
64 71.8 55.3 82.9
63 35.1 28.3 42.5

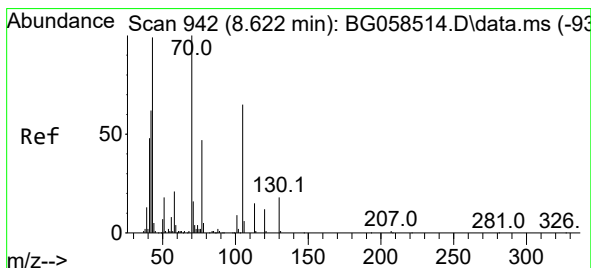
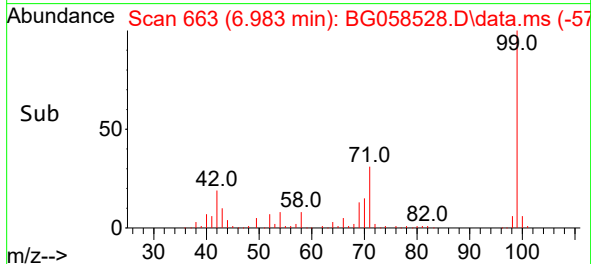
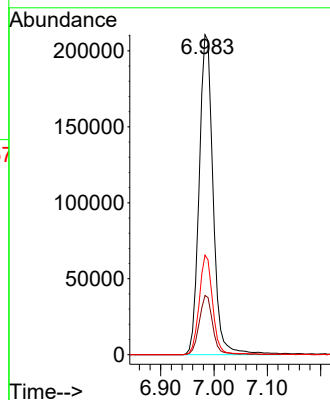
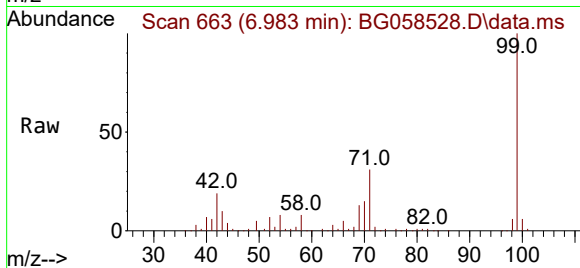




#7
Phenol-d6
Concen: 82.215 ng
RT: 6.983 min Scan# 60
Delta R.T. 0.000 min
Lab File: BG058528.D
Acq: 28 Jul 2023 21:45

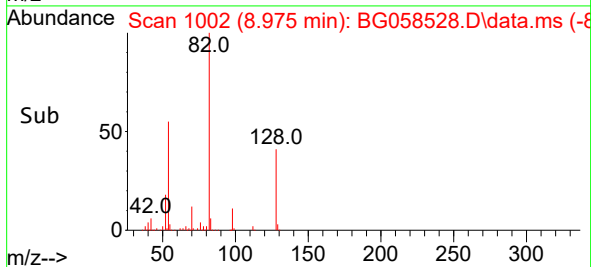
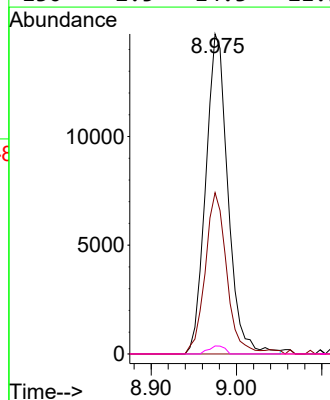
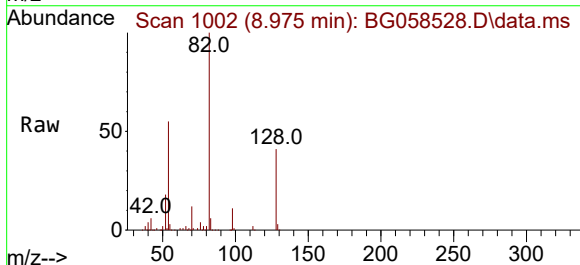
Instrument :
BNA_G
ClientSampleId :
B-P22B

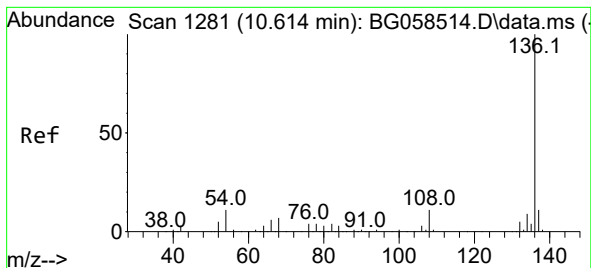
Tgt Ion: 99 Resp: 382972
Ion Ratio Lower Upper
99 100
42 18.5 14.6 21.8
71 31.1 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 8.854 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.353 min
Lab File: BG058528.D
Acq: 28 Jul 2023 21:45

Tgt Ion: 70 Resp: 26639
Ion Ratio Lower Upper
70 100
42 50.4 49.7 74.5
101 0.0 7.0 10.4#
130 2.5 14.3 21.5#

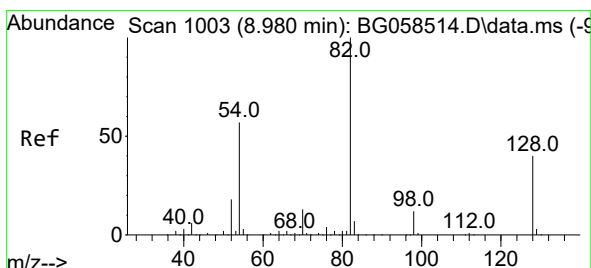
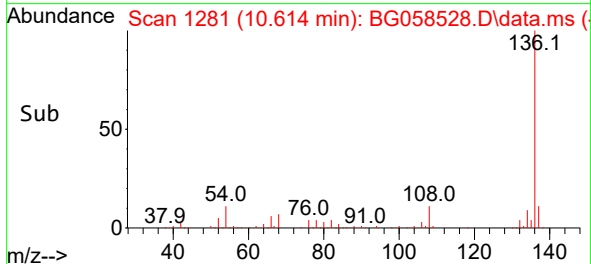
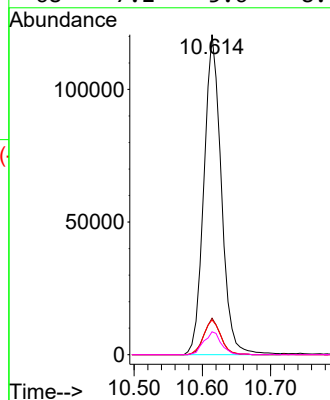
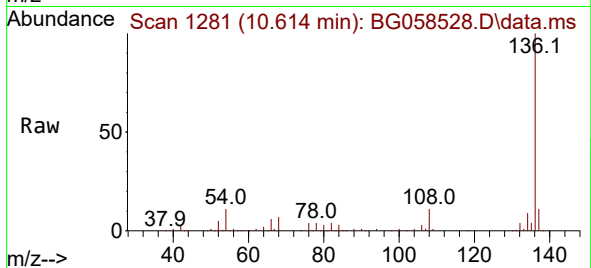




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.614 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG058528.D
Acq: 28 Jul 2023 21:45

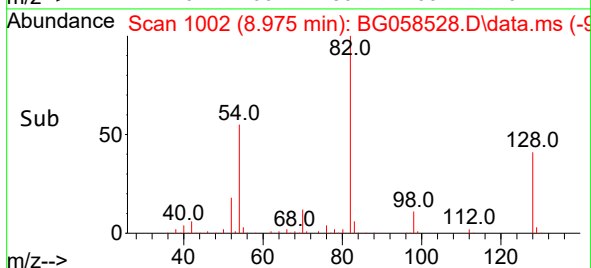
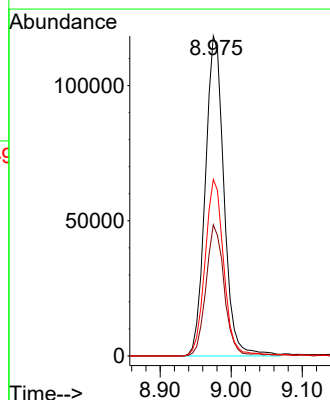
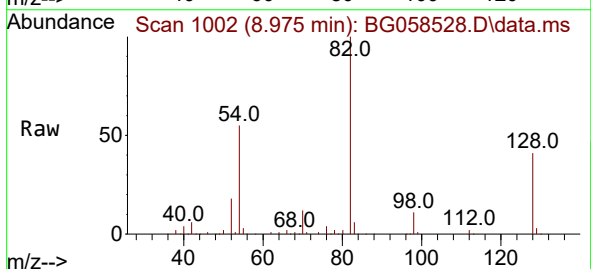
Instrument :
BNA_G
ClientSampleId :
B-P22B

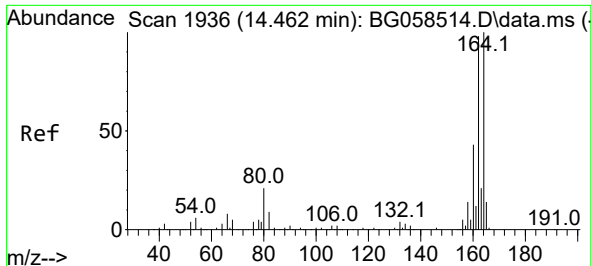
Tgt Ion:	136	Resp:	213956
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	13.0
54	10.8	8.9	13.3
68	7.2	5.6	8.4



#23
Nitrobenzene-d5
Concen: 49.749 ng
RT: 8.975 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BG058528.D
Acq: 28 Jul 2023 21:45

Tgt Ion:	82	Resp:	216671
Ion	Ratio	Lower	Upper
82	100		
128	41.0	32.2	48.2
54	55.1	46.0	69.0

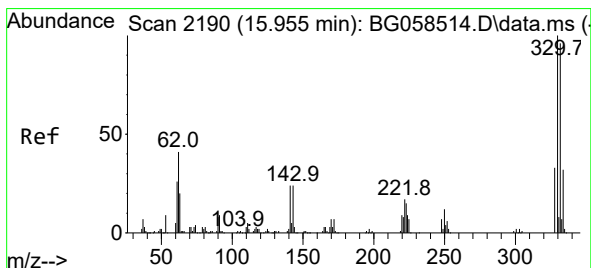
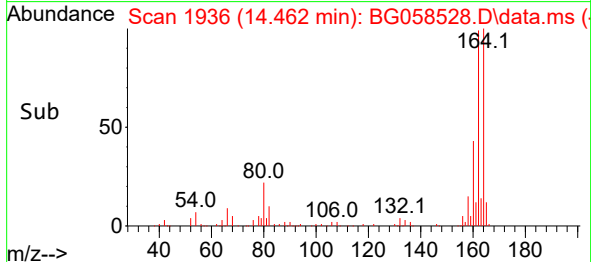
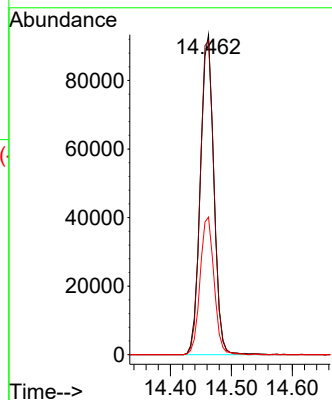
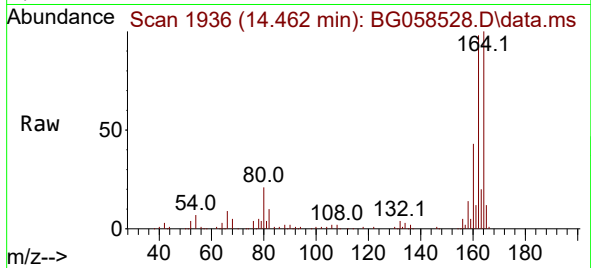




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.462 min Scan# 1936
Delta R.T. 0.000 min
Lab File: BG058528.D
Acq: 28 Jul 2023 21:45

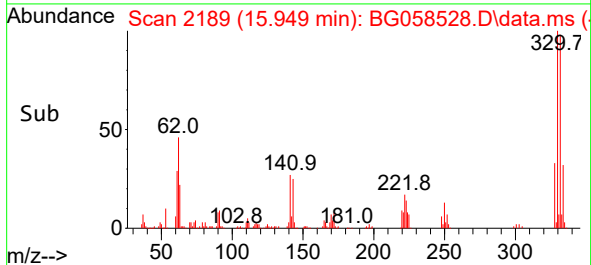
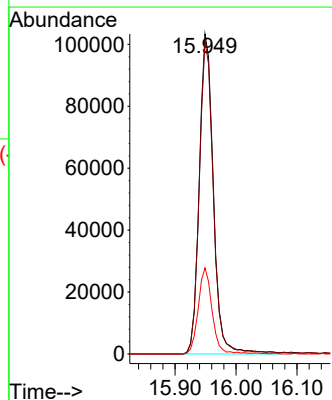
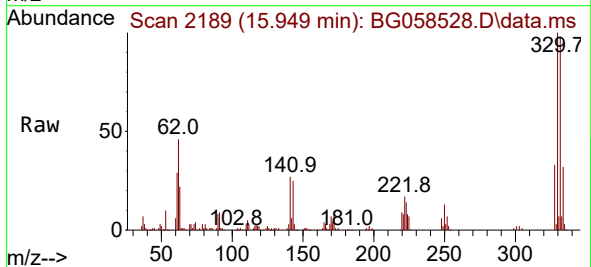
Instrument :
BNA_G
ClientSampleId :
B-P22B

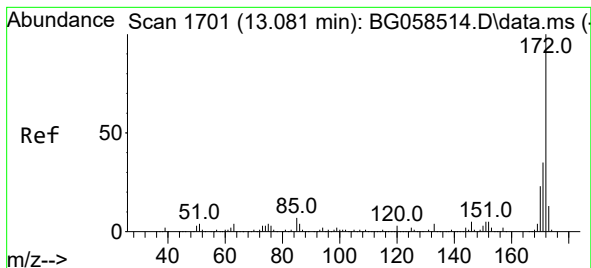
Tgt Ion:164 Resp: 143863
Ion Ratio Lower Upper
164 100
162 98.2 78.3 117.5
160 43.0 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 70.665 ng
RT: 15.949 min Scan# 2189
Delta R.T. -0.006 min
Lab File: BG058528.D
Acq: 28 Jul 2023 21:45

Tgt Ion:330 Resp: 166629
Ion Ratio Lower Upper
330 100
332 97.7 77.5 116.3
141 26.3 20.7 31.1

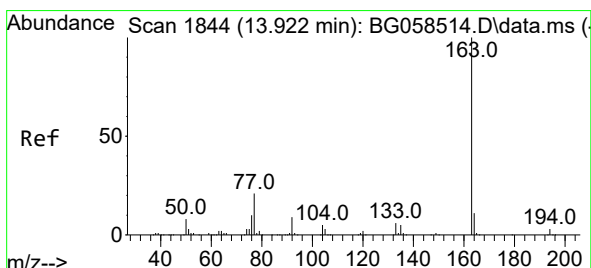
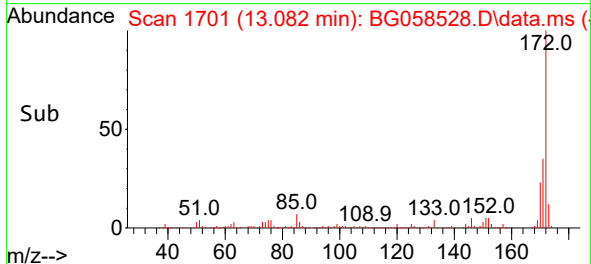
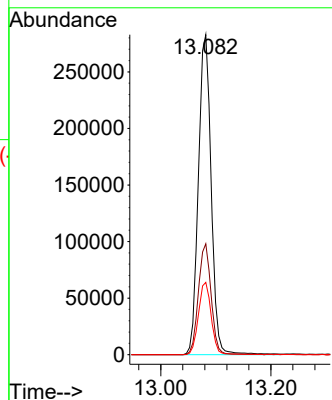
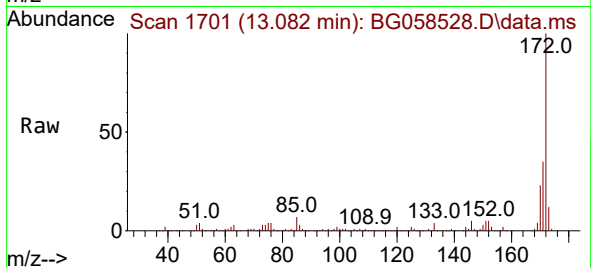




#45
2-Fluorobiphenyl
Concen: 47.627 ng
RT: 13.082 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG058528.D
Acq: 28 Jul 2023 21:45

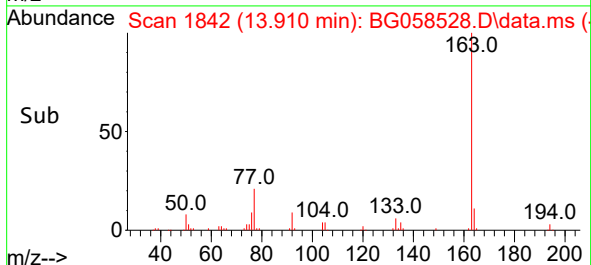
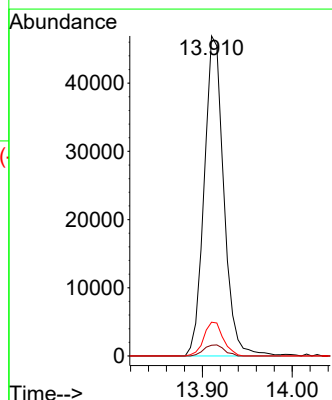
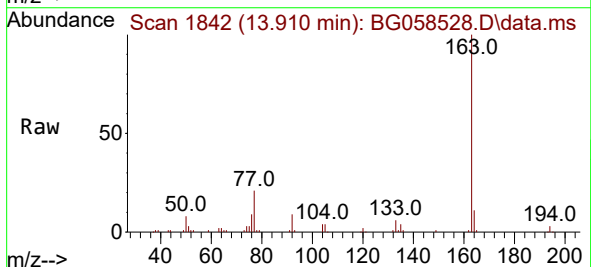
Instrument :
BNA_G
ClientSampleId :
B-P22B

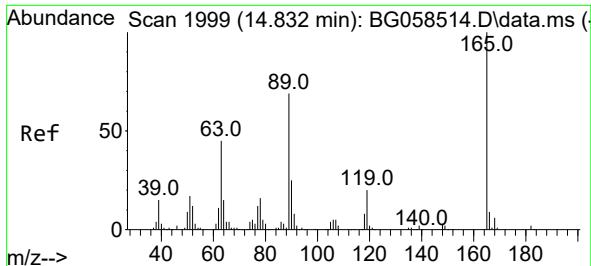
Tgt Ion:172 Resp: 457217
Ion Ratio Lower Upper
172 100
171 34.6 28.0 42.0
170 22.6 18.4 27.6



#50
Dimethylphthalate
Concen: 6.583 ng
RT: 13.910 min Scan# 1842
Delta R.T. -0.012 min
Lab File: BG058528.D
Acq: 28 Jul 2023 21:45

Tgt Ion:163 Resp: 71130
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.6 8.6 12.8





#57

2,4-Dinitrotoluene

Concen: 5.742 ng

RT: 14.457 min Scan# 1999

Delta R.T. -0.375 min

Lab File: BG058528.D

Acq: 28 Jul 2023 21:45

Instrument :

BNA_G

ClientSampleId :

B-P22B

Tgt Ion:165 Resp: 18872

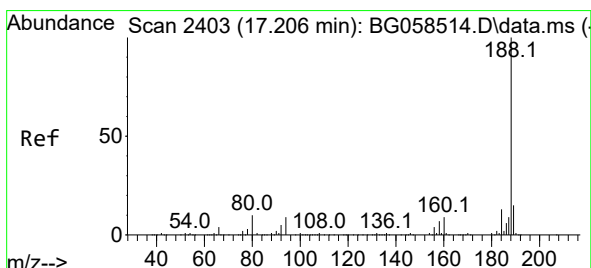
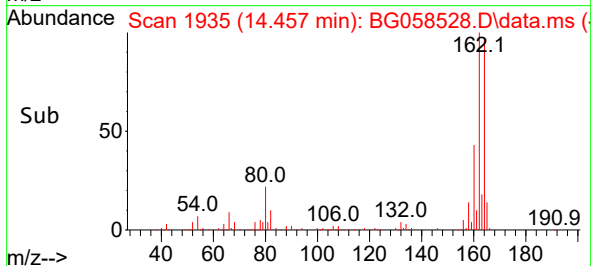
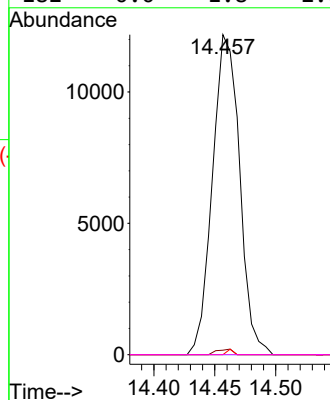
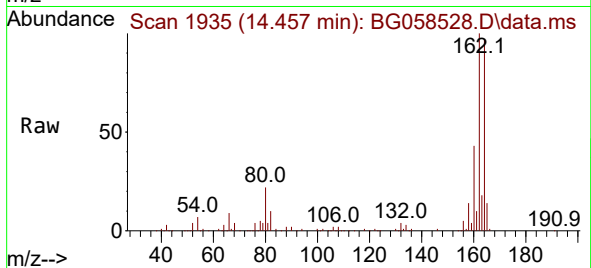
Ion Ratio Lower Upper

165 100

63 1.4 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: 17.206 min Scan# 2403

Delta R.T. 0.000 min

Lab File: BG058528.D

Acq: 28 Jul 2023 21:45

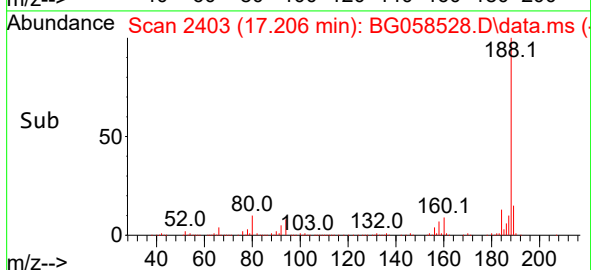
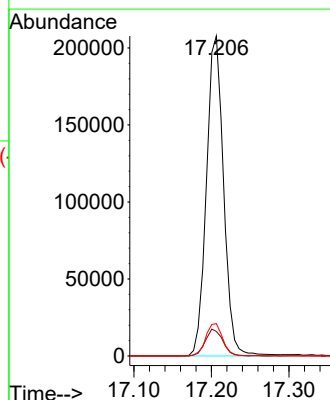
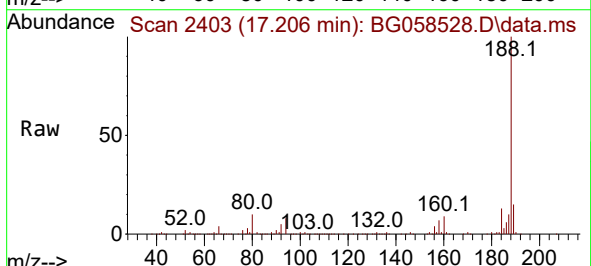
Tgt Ion:188 Resp: 319370

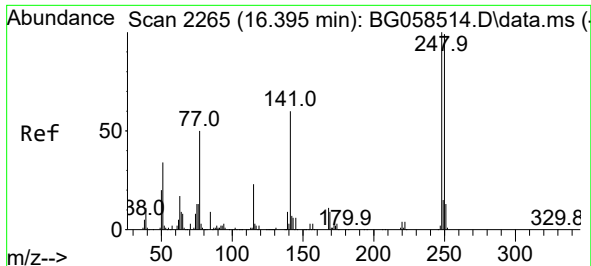
Ion Ratio Lower Upper

188 100

94 7.7 7.0 10.6

80 10.1 8.1 12.1

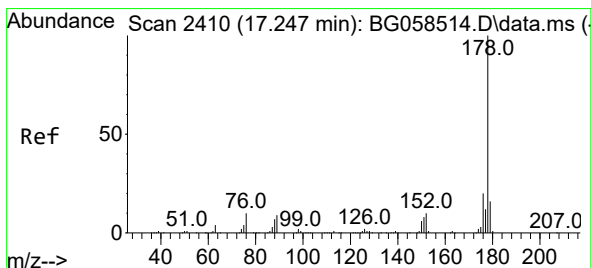
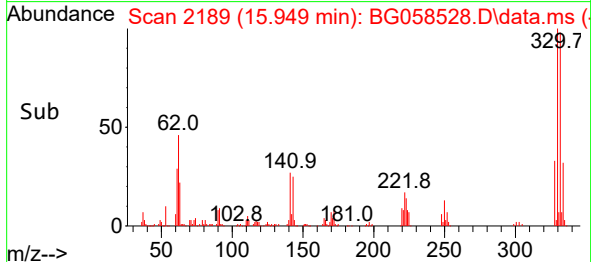
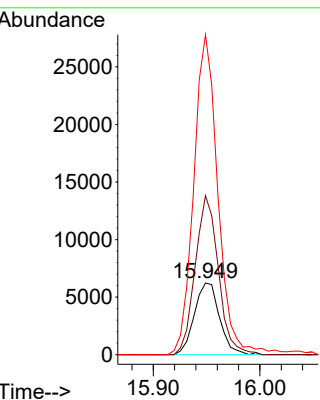
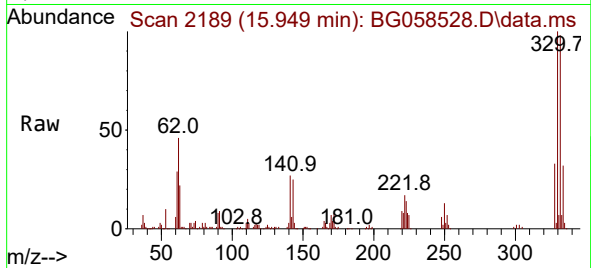




#67
4-Bromophenyl-phenylether
Concen: 2.817 ng
RT: 15.949 min Scan# 2119
Delta R.T. -0.446 min
Lab File: BG058528.D
Acq: 28 Jul 2023 21:45

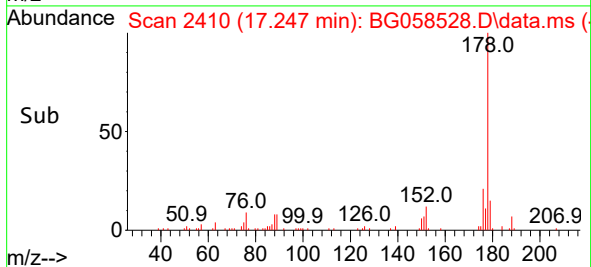
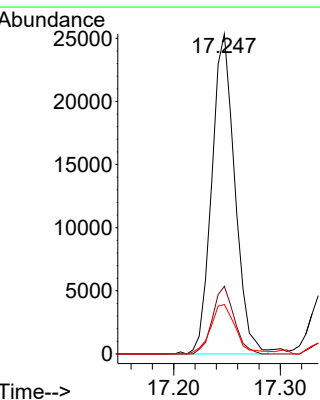
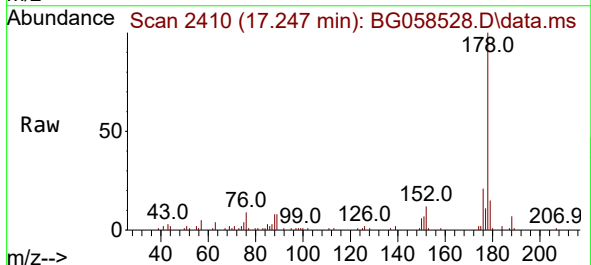
Instrument :
BNA_G
ClientSampleId :
B-P22B

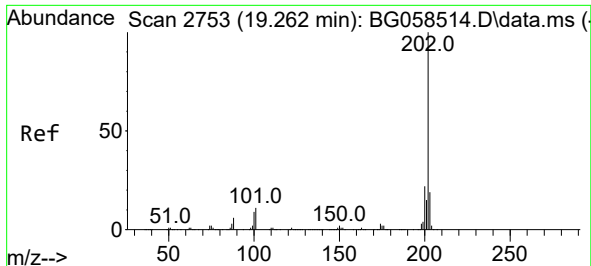
Tgt Ion:248 Resp: 10205
Ion Ratio Lower Upper
248 100
250 221.8 79.5 119.3#
141 446.3 48.2 72.2#



#71
Phenanthrene
Concen: 2.513 ng
RT: 17.247 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BG058528.D
Acq: 28 Jul 2023 21:45

Tgt Ion:178 Resp: 38063
Ion Ratio Lower Upper
178 100
176 21.1 16.3 24.5
179 15.4 13.1 19.7

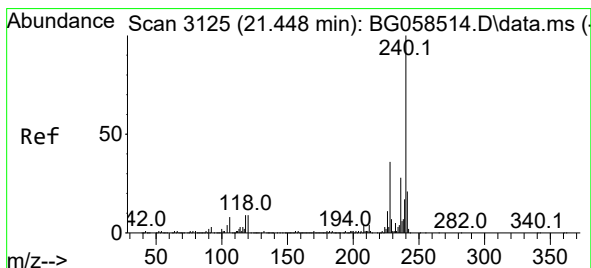
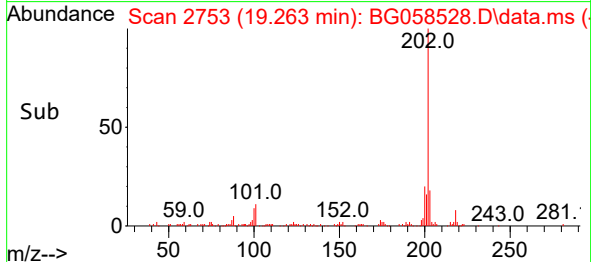
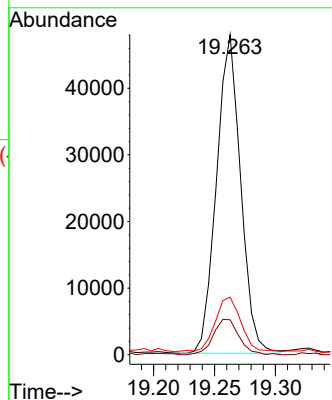
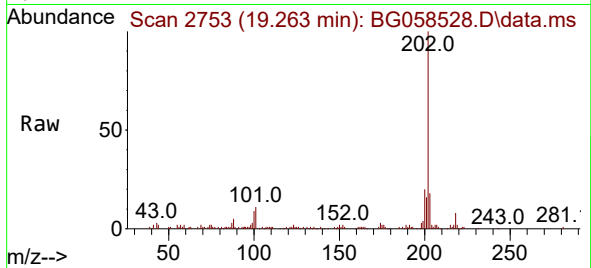




#75
Fluoranthene
Concen: 3.627 ng
RT: 19.263 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG058528.D
Acq: 28 Jul 2023 21:45

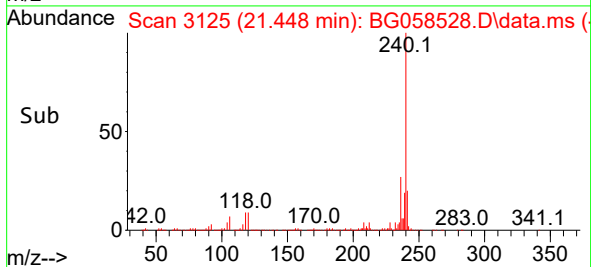
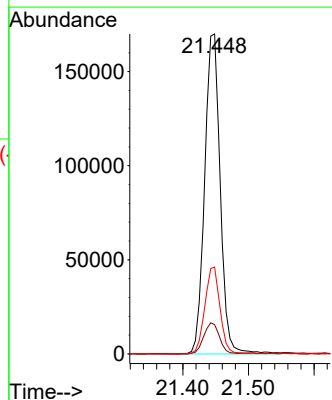
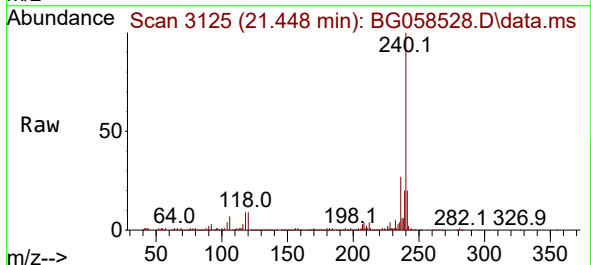
Instrument :
BNA_G
ClientSampleId :
B-P22B

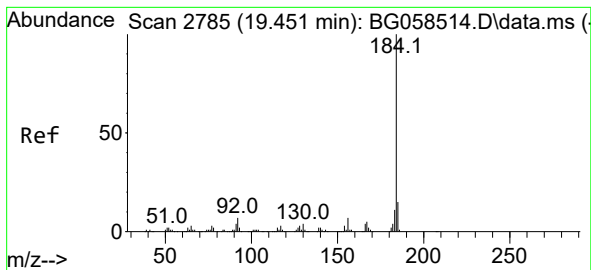
Tgt Ion:202 Resp: 65993
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.4
203 17.9 0.0 39.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.448 min Scan# 3125
Delta R.T. 0.000 min
Lab File: BG058528.D
Acq: 28 Jul 2023 21:45

Tgt Ion:240 Resp: 281478
Ion Ratio Lower Upper
240 100
120 9.1 7.4 11.0
236 27.2 22.2 33.4





#77

Benzidine

Concen: 2.150 ng

RT: 19.827 min Scan# 2849

Delta R.T. 0.376 min

Lab File: BG058528.D

Acq: 28 Jul 2023 21:45

Instrument :

BNA_G

ClientSampleId :

B-P22B

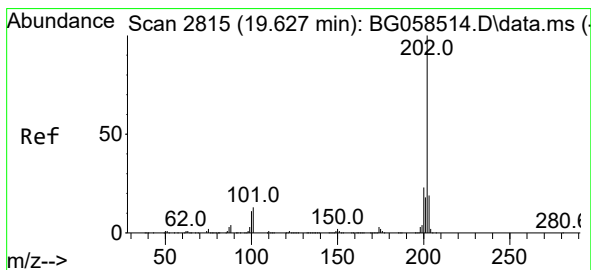
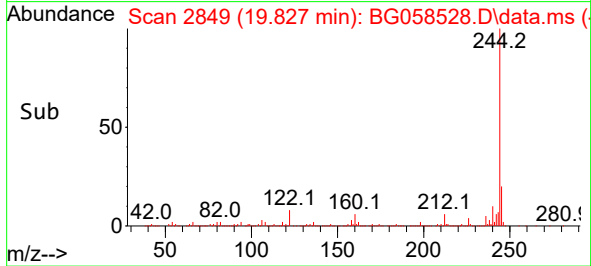
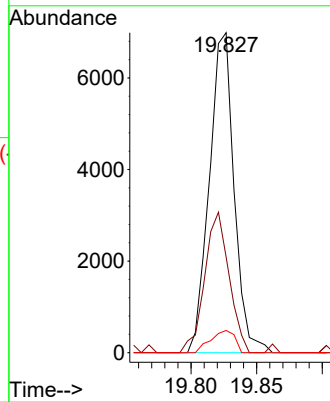
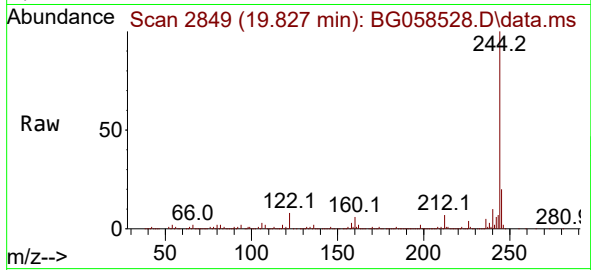
Tgt Ion:184 Resp: 9175

Ion Ratio Lower Upper

184 100

185 29.9 11.9 17.9#

183 7.0 8.7 13.1#



#78

Pyrene

Concen: 6.693 ng

RT: 19.627 min Scan# 2815

Delta R.T. 0.000 min

Lab File: BG058528.D

Acq: 28 Jul 2023 21:45

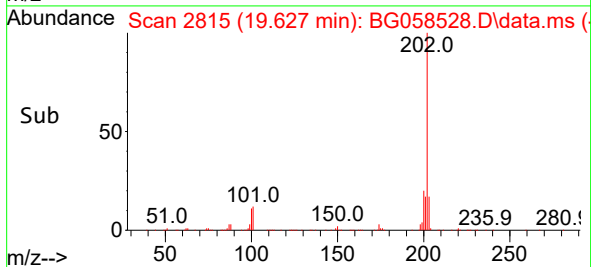
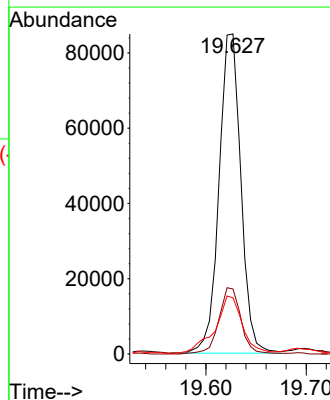
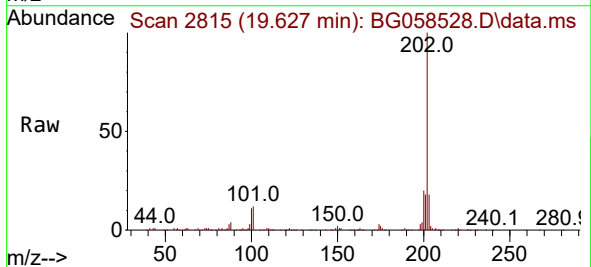
Tgt Ion:202 Resp: 128210

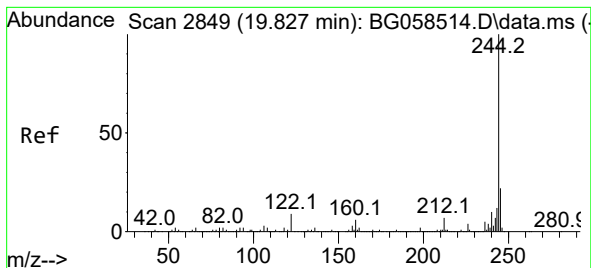
Ion Ratio Lower Upper

202 100

200 20.3 18.2 27.2

203 17.5 15.1 22.7





#79

Terphenyl-d14

Concen: 48.592 ng

RT: 19.821 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG058528.D

Acq: 28 Jul 2023 21:45

Instrument :

BNA_G

ClientSampleId :

B-P22B

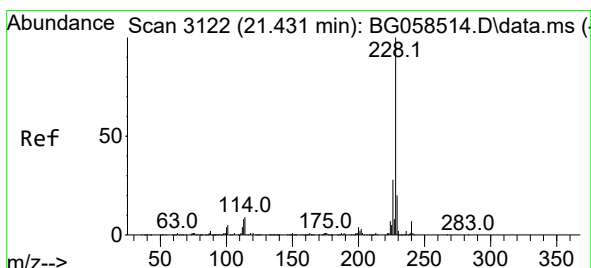
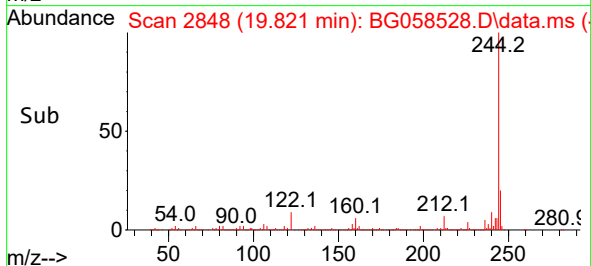
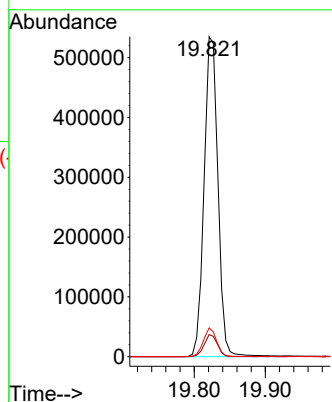
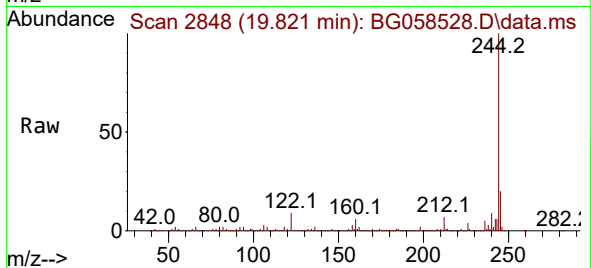
Tgt Ion:244 Resp: 727330

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

122 9.0 6.8 10.2



#81

Benzo(a)anthracene

Concen: 3.183 ng

RT: 21.425 min Scan# 3121

Delta R.T. -0.006 min

Lab File: BG058528.D

Acq: 28 Jul 2023 21:45

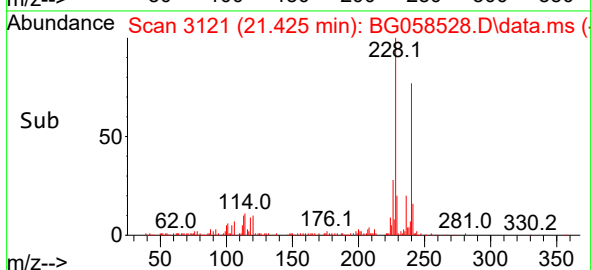
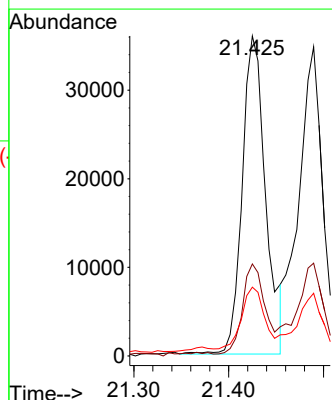
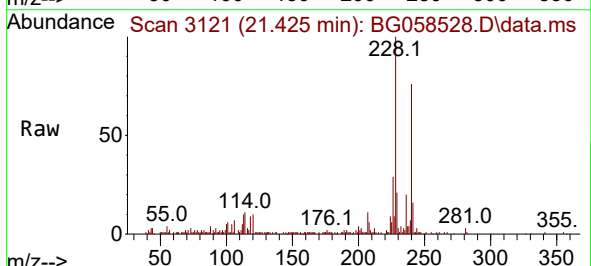
Tgt Ion:228 Resp: 61655

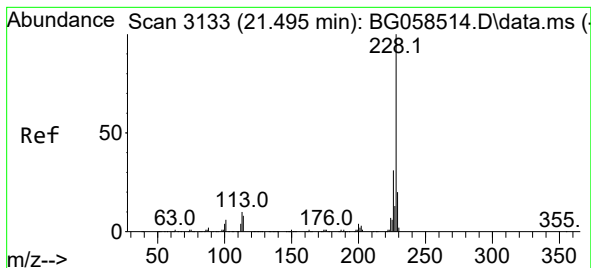
Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

229 21.5 16.3 24.5





#83

Chrysene

Concen: 3.282 ng

RT: 21.490 min Scan# 3133

Delta R.T. -0.006 min

Lab File: BG058528.D

Acq: 28 Jul 2023 21:45

Instrument :

BNA_G

ClientSampleId :

B-P22B

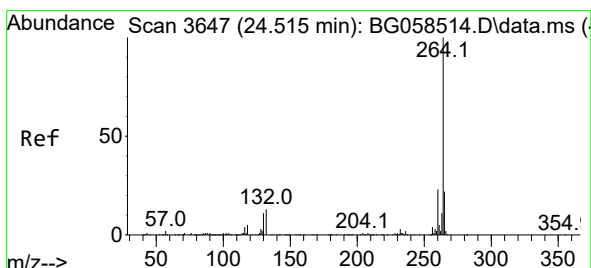
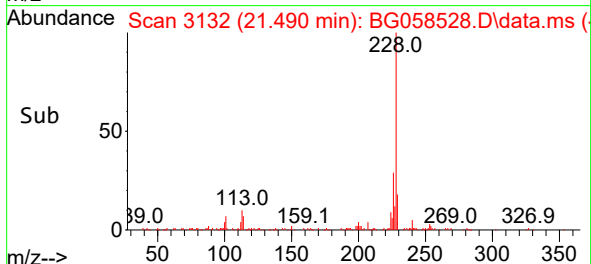
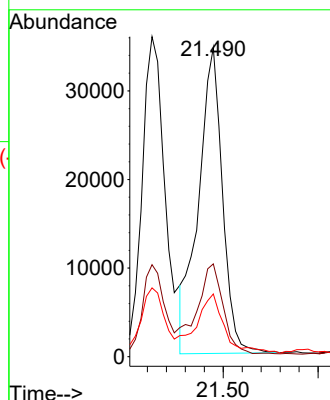
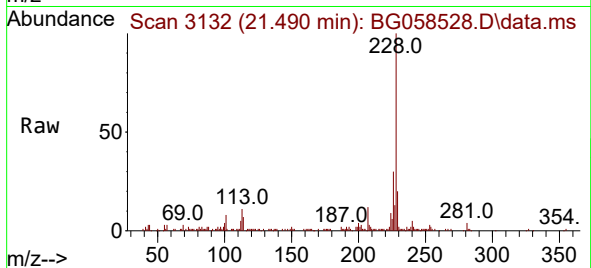
Tgt Ion:228 Resp: 60961

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.6

229 20.3 16.3 24.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.515 min Scan# 3647

Delta R.T. 0.000 min

Lab File: BG058528.D

Acq: 28 Jul 2023 21:45

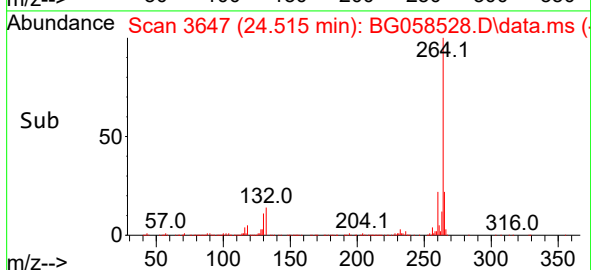
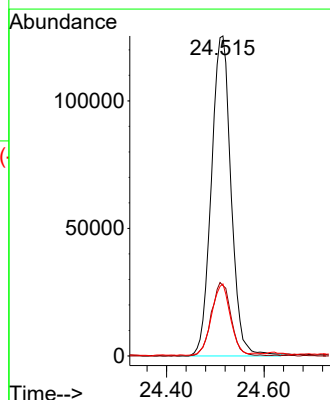
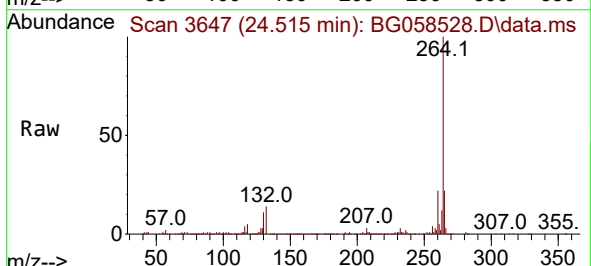
Tgt Ion:264 Resp: 351762

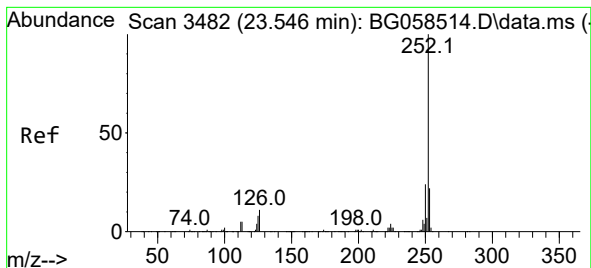
Ion Ratio Lower Upper

264 100

260 22.0 18.4 27.6

265 22.5 17.9 26.9





#88

Benzo(b)fluoranthene

Concen: 2.840 ng

RT: 23.540 min Scan# 3482

Delta R.T. -0.006 min

Lab File: BG058528.D

Acq: 28 Jul 2023 21:45

Instrument :

BNA_G

ClientSampleId :

B-P22B

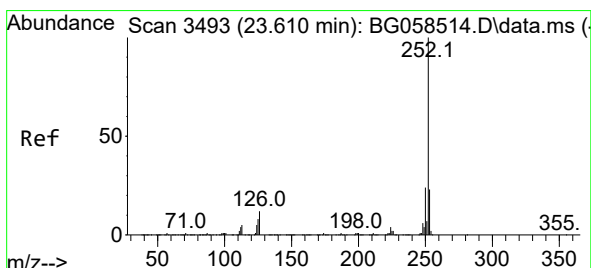
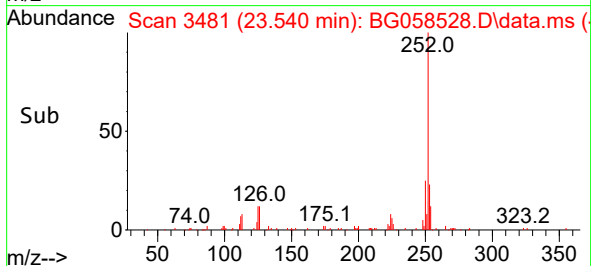
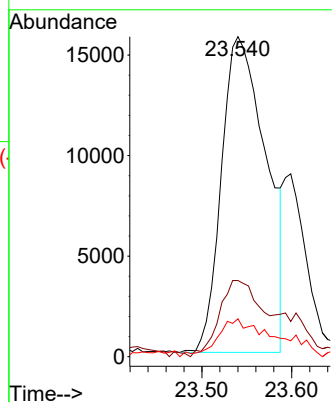
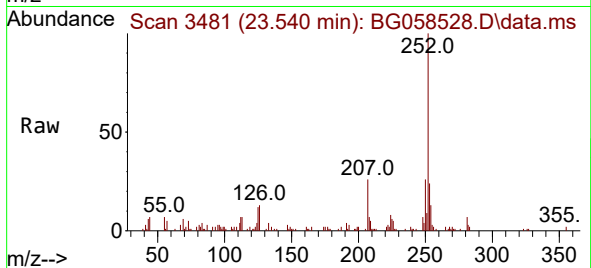
Tgt Ion:252 Resp: 54184

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

125 11.8 6.6 9.8#



#89

Benzo(k)fluoranthene

Concen: 2.827 ng

RT: 23.540 min Scan# 3481

Delta R.T. -0.070 min

Lab File: BG058528.D

Acq: 28 Jul 2023 21:45

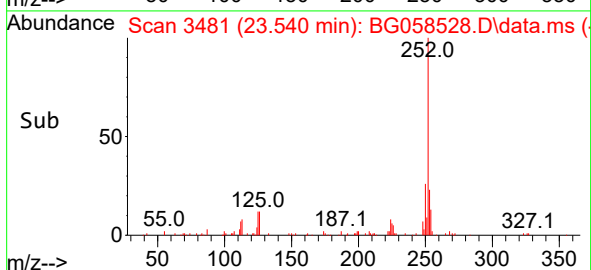
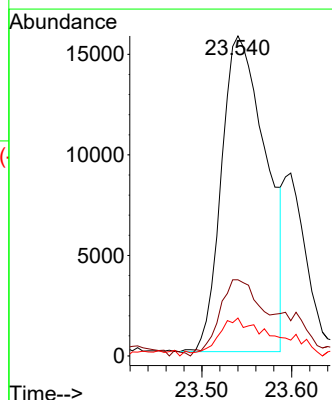
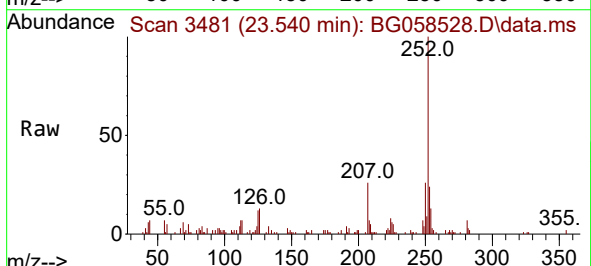
Tgt Ion:252 Resp: 54184

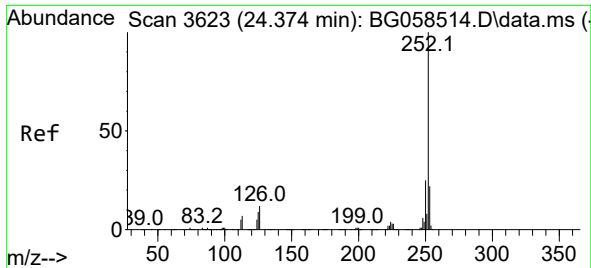
Ion Ratio Lower Upper

252 100

253 23.8 17.9 26.9

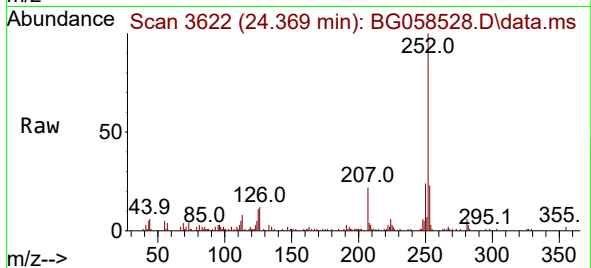
125 11.8 6.6 10.0#





#90
Benzo(a)pyrene
Concen: 2.808 ng
RT: 24.369 min Scan# 30
Delta R.T. -0.006 min
Lab File: BG058528.D
Acq: 28 Jul 2023 21:45

Instrument :
BNA_G
ClientSampleId :
B-P22B



Tgt Ion:	252	Resp:	52609
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.5	26.3
125	10.9	7.4	11.2

