

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072823\
 Data File : BG058526.D
 Acq On : 28 Jul 2023 20:23
 Operator : MA/JU
 Sample : 03580-03RE 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 28 22:56:00 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)

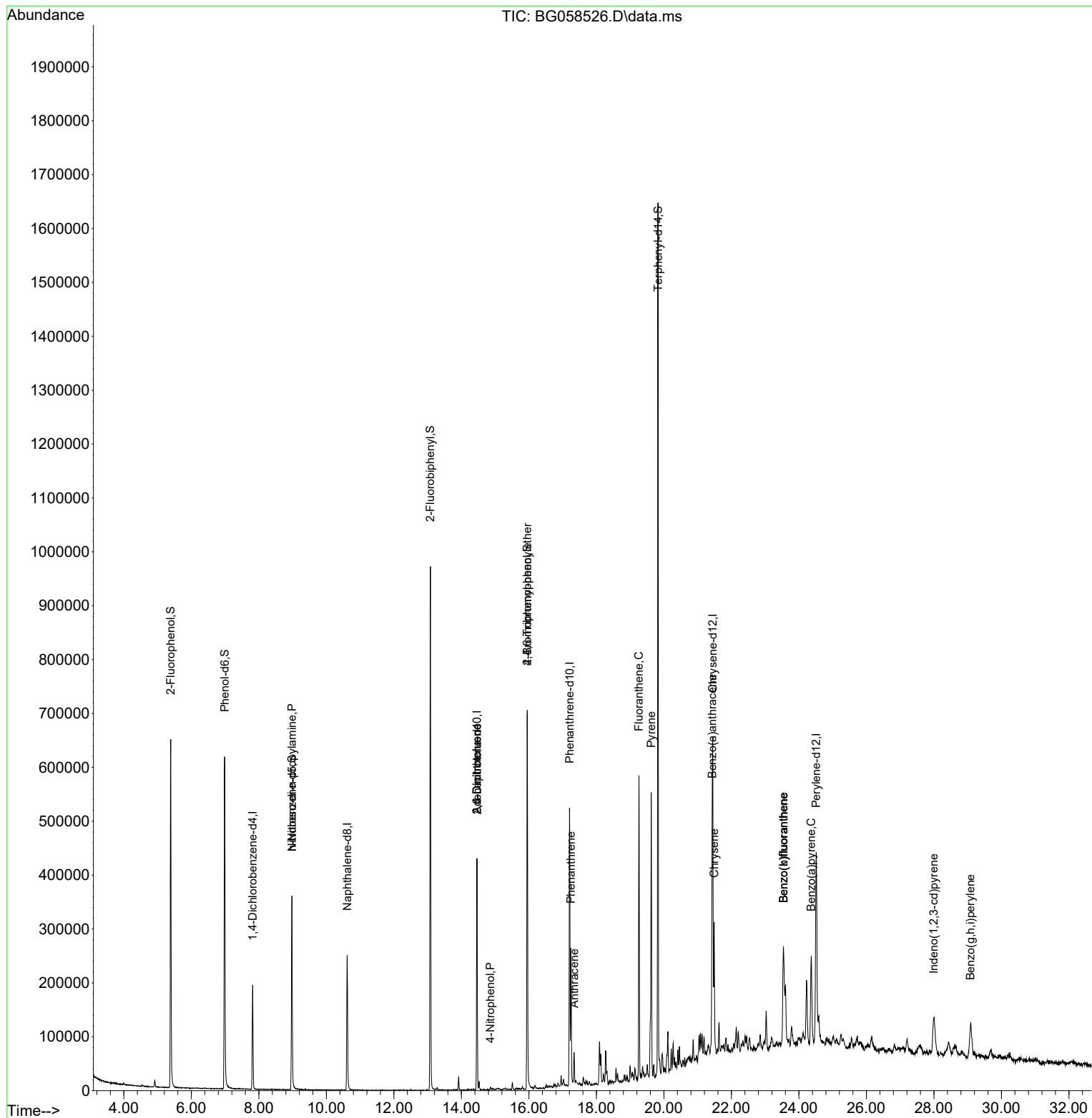
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.815	152	55341	20.000	ng	0.00
21) Naphthalene-d8	10.617	136	227169	20.000	ng	0.00
39) Acenaphthene-d10	14.460	164	155573	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	344626	20.000	ng	0.00
76) Chrysene-d12	21.446	240	298818	20.000	ng	0.00
86) Perylene-d12	24.513	264	373258	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.388	112	287136	79.304	ng	0.00
7) Phenol-d6	6.986	99	395230	78.447	ng	0.00
23) Nitrobenzene-d5	8.978	82	233367	50.466	ng	0.00
42) 2,4,6-Tribromophenol	15.952	330	169011	66.280	ng	0.00
45) 2-Fluorobiphenyl	13.079	172	542989	52.305	ng	0.00
79) Terphenyl-d14	19.824	244	852723	53.664	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.978	70	28777	8.843	ng	# 78
51) 2,6-Dinitrotoluene	14.460	165	20256	7.901	ng	# 22
56) 4-Nitrophenol	14.859	139	1248	3.954	ng	# 14
57) 2,4-Dinitrotoluene	14.460	165	20256	5.699	ng	# 23
67) 4-Bromophenyl-phenylether	15.952	248	9912	2.536	ng	# 1
71) Phenanthrene	17.245	178	152171	9.311	ng	100
72) Anthracene	17.339	178	36949	2.203	ng	98
75) Fluoranthene	19.260	202	348977	17.776	ng	98
78) Pyrene	19.624	202	331492	16.301	ng	99
81) Benzo(a)anthracene	21.428	228	187314	9.109	ng	98
83) Chrysene	21.487	228	168787	8.561	ng	97
87) Indeno(1,2,3-cd)pyrene	27.997	276	124115	4.998	ng	94
88) Benzo(b)fluoranthene	23.543	252	236649	11.689	ng	# 97
89) Benzo(k)fluoranthene	23.543	252	236649	11.636	ng	# 97
90) Benzo(a)pyrene	24.366	252	173048	8.704	ng	98
92) Benzo(g,h,i)perylene	29.084	276	128996	6.265	ng	99

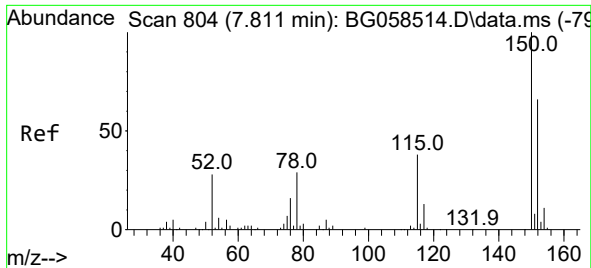
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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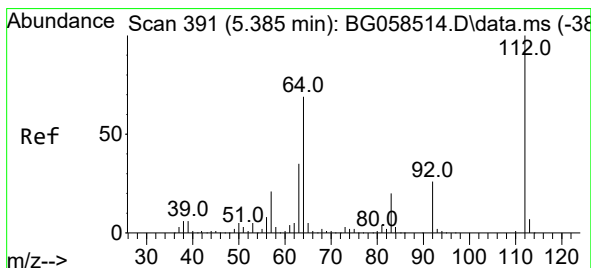
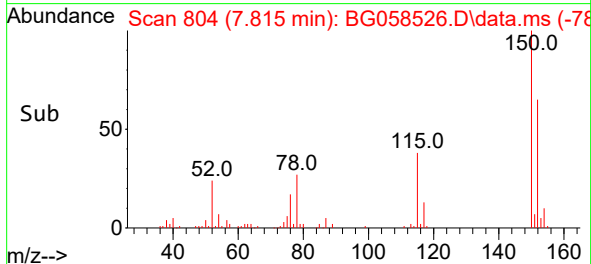
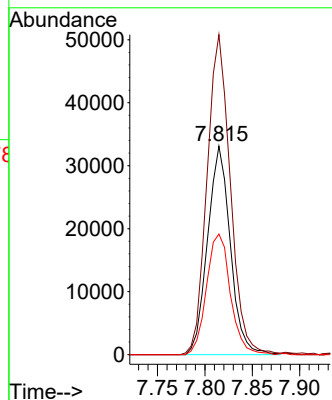
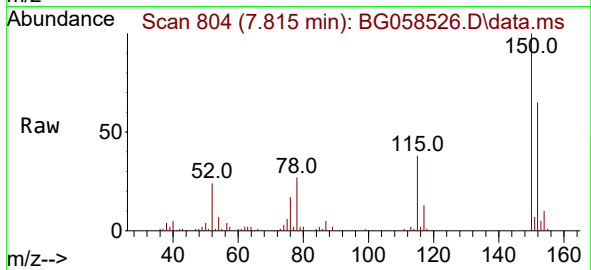




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.815 min Scan# 804
Delta R.T. 0.004 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

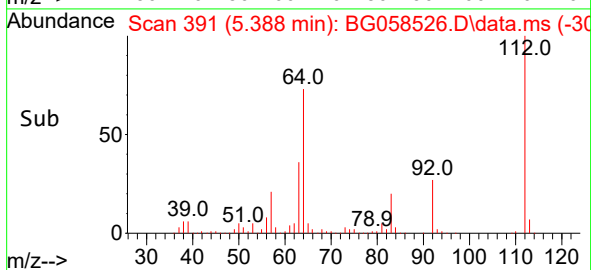
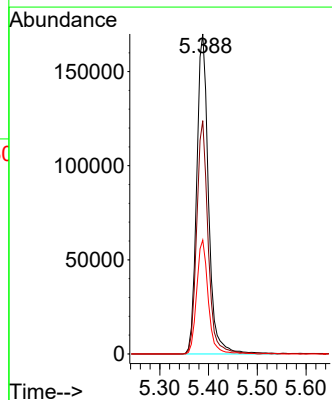
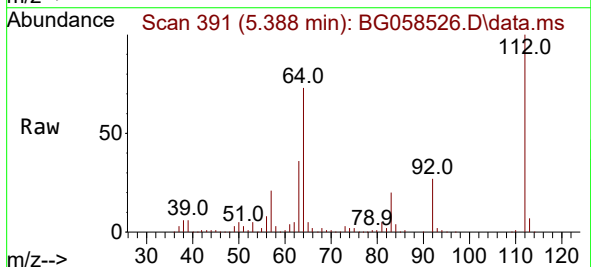
Instrument :
BNA_G
ClientSampleId :

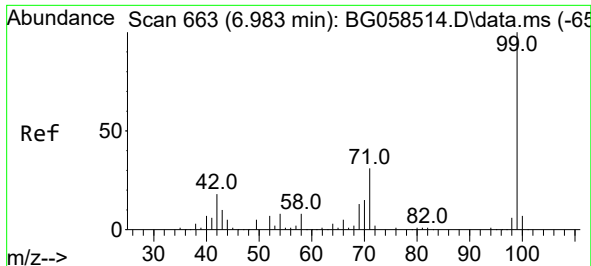
Tgt Ion:152 Resp: 55341
Ion Ratio Lower Upper
152 100
150 153.4 120.5 180.7
115 57.9 45.9 68.9



#5
2-Fluorophenol
Concen: 79.304 ng
RT: 5.388 min Scan# 391
Delta R.T. 0.004 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

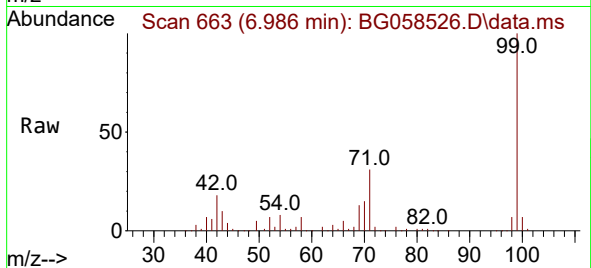
Tgt Ion:112 Resp: 287136
Ion Ratio Lower Upper
112 100
64 72.9 55.3 82.9
63 35.6 28.3 42.5



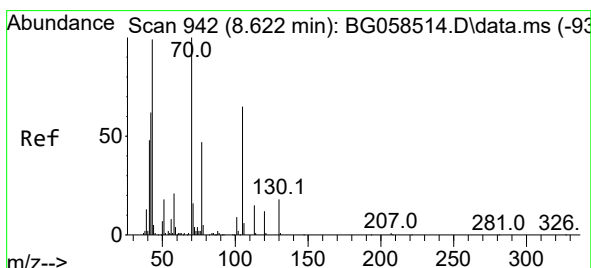
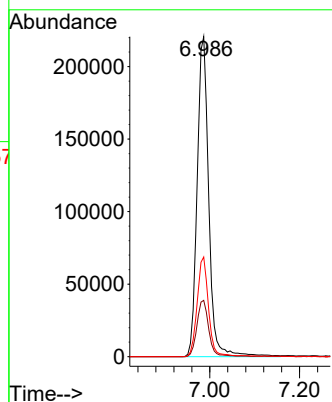
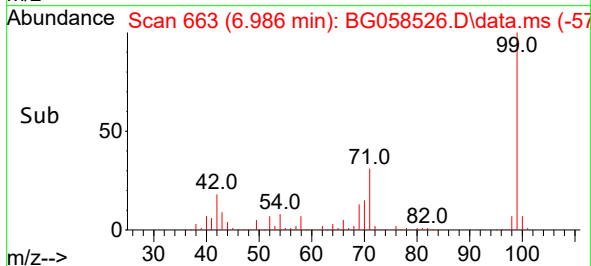


#7
Phenol-d6
Concen: 78.447 ng
RT: 6.986 min Scan# 60
Delta R.T. 0.004 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

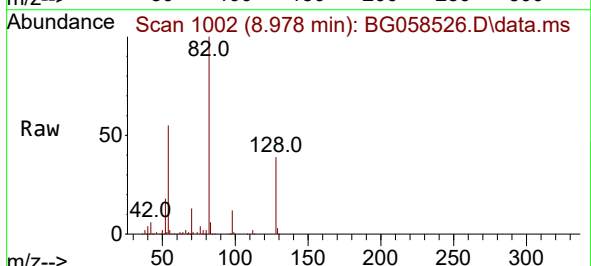
Instrument :
BNA_G
ClientSampleId :



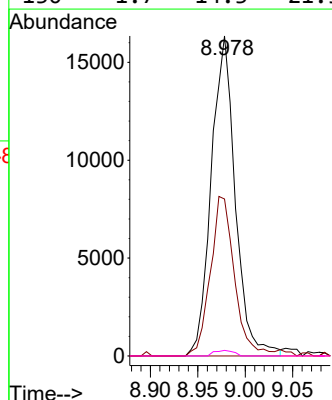
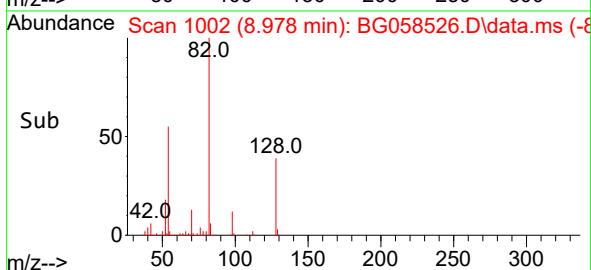
Tgt Ion: 99 Resp: 395230
Ion Ratio Lower Upper
99 100
42 17.6 14.6 21.8
71 31.1 25.0 37.4

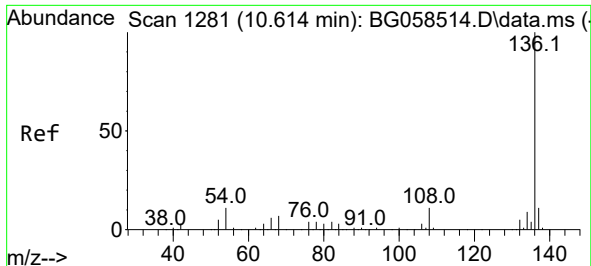


#19
n-Nitroso-di-n-propylamine
Concen: 8.843 ng
RT: 8.978 min Scan# 1002
Delta R.T. 0.356 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23



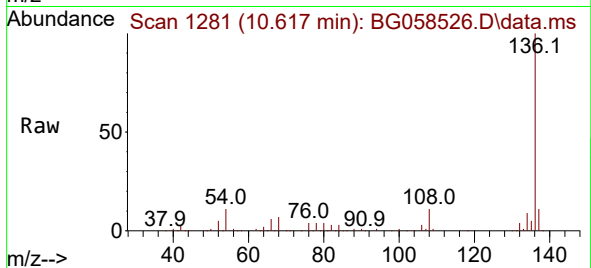
Tgt Ion: 70 Resp: 28777
Ion Ratio Lower Upper
70 100
42 49.1 49.7 74.5#
101 0.0 7.0 10.4#
130 1.7 14.3 21.5#



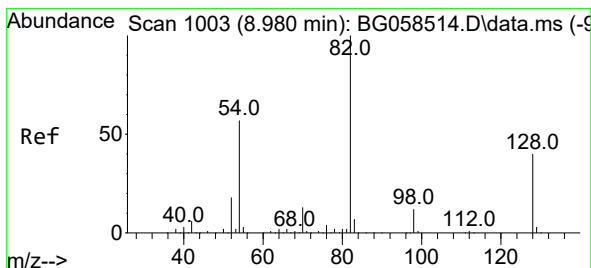
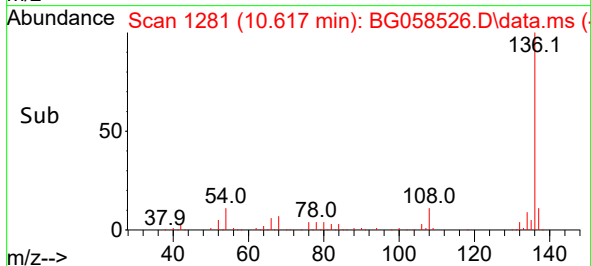
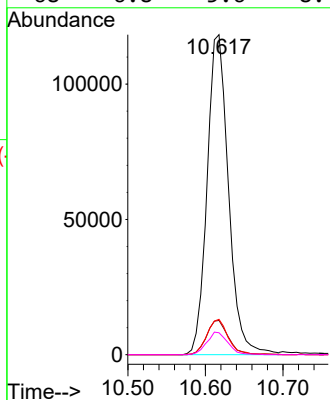


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.617 min Scan# 11
Delta R.T. 0.004 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

Instrument :
BNA_G
ClientSampleId :

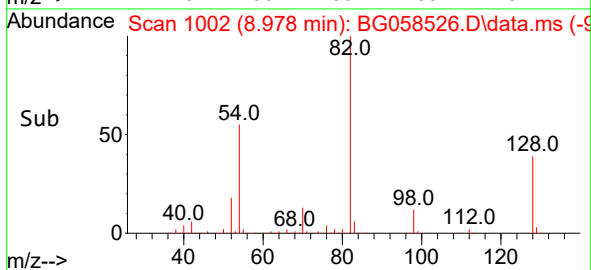
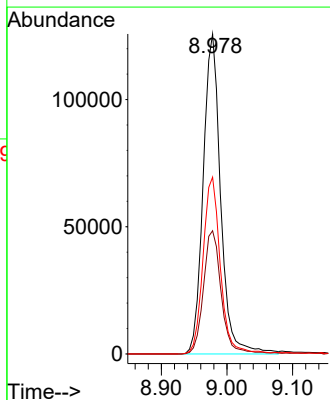
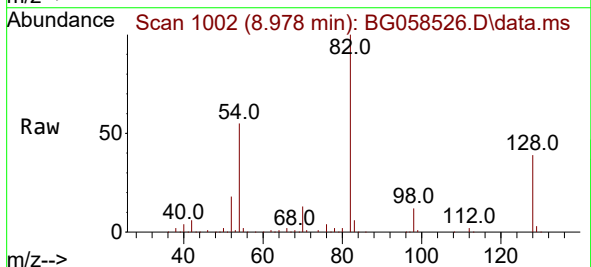


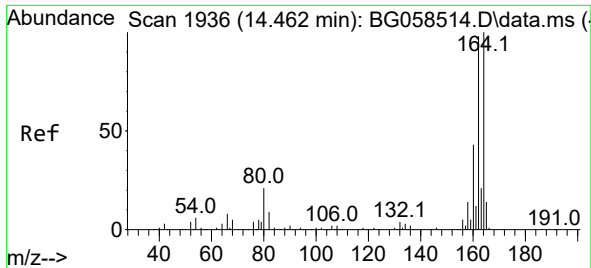
Tgt Ion:136 Resp: 227169
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 11.0 8.9 13.3
68 6.8 5.6 8.4



#23
Nitrobenzene-d5
Concen: 50.466 ng
RT: 8.978 min Scan# 1002
Delta R.T. -0.002 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

Tgt Ion: 82 Resp: 233367
Ion Ratio Lower Upper
82 100
128 38.5 32.2 48.2
54 55.3 46.0 69.0

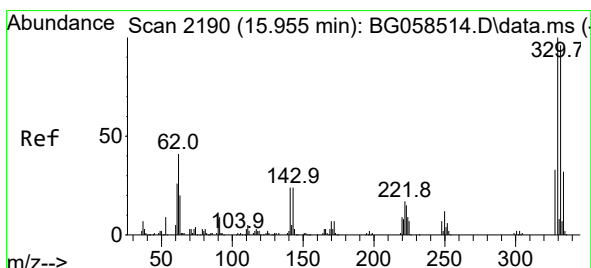
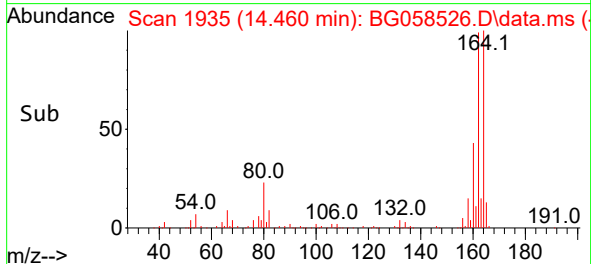
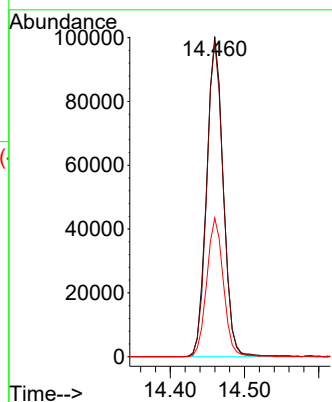
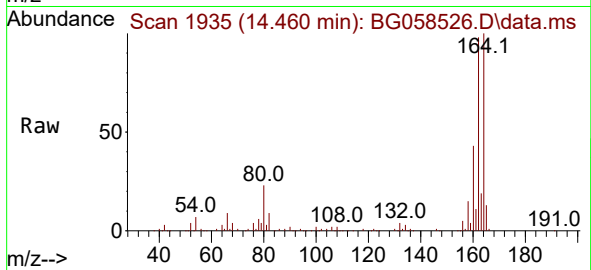




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.460 min Scan# 1936
Delta R.T. -0.002 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

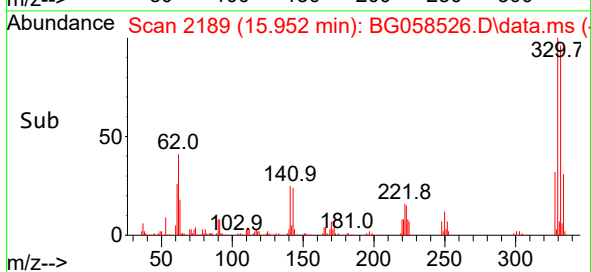
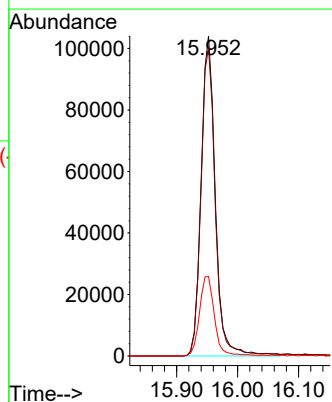
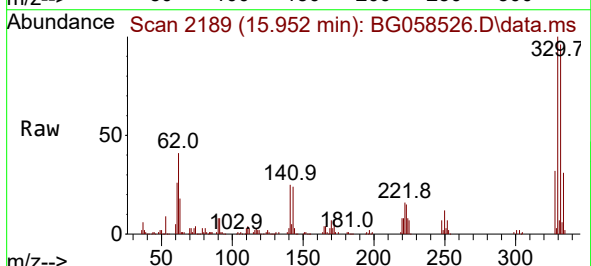
Instrument :
BNA_G
ClientSampleId :

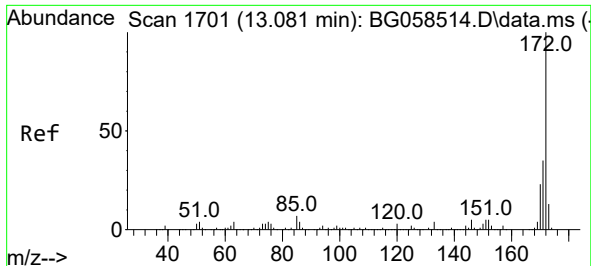
Tgt Ion:164 Resp: 155573
Ion Ratio Lower Upper
164 100
162 98.3 78.3 117.5
160 43.3 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 66.280 ng
RT: 15.952 min Scan# 2189
Delta R.T. -0.002 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

Tgt Ion:330 Resp: 169011
Ion Ratio Lower Upper
330 100
332 95.9 77.5 116.3
141 26.1 20.7 31.1

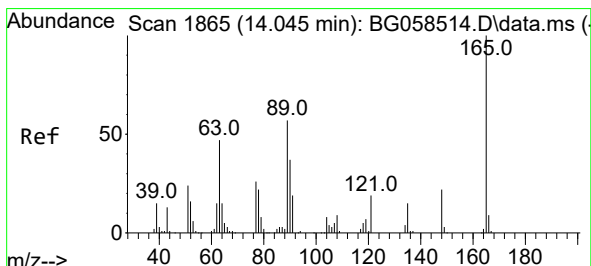
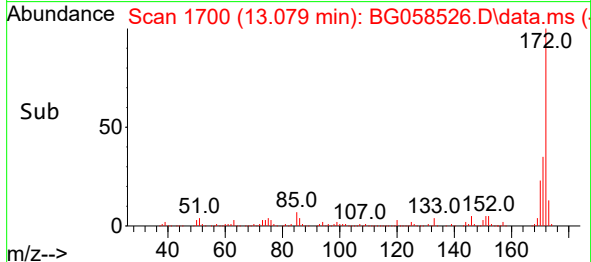
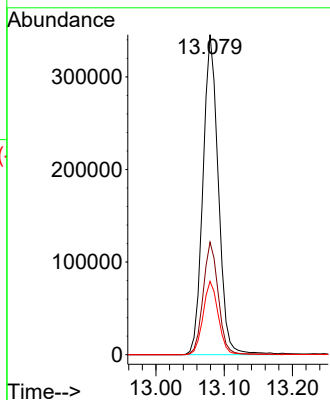
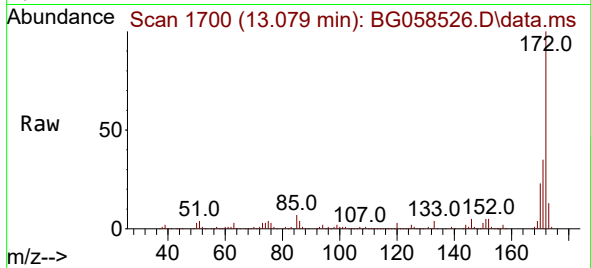




#45
2-Fluorobiphenyl
Concen: 52.305 ng
RT: 13.079 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

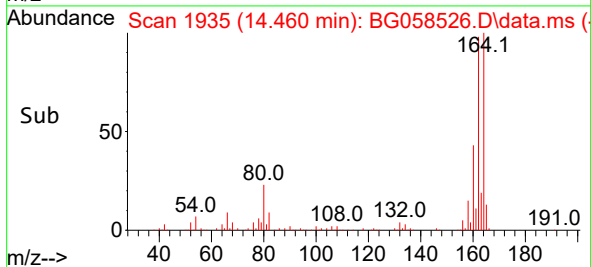
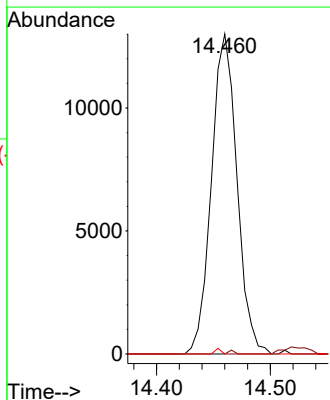
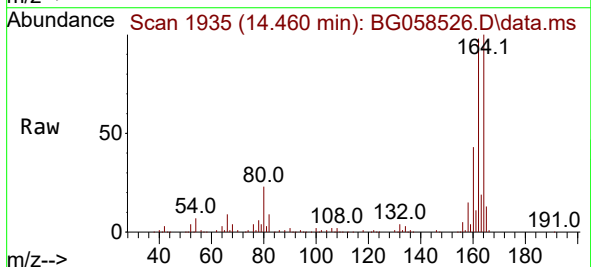
Instrument :
BNA_G
ClientSampleId :

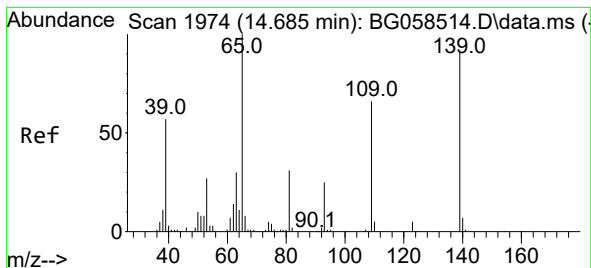
Tgt Ion:172 Resp: 542989
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 22.9 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 7.901 ng
RT: 14.460 min Scan# 1935
Delta R.T. 0.415 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

Tgt Ion:165 Resp: 20256
Ion Ratio Lower Upper
165 100
63 0.0 46.4 69.6#
89 0.0 45.3 67.9#





#56

4-Nitrophenol

Concen: 3.954 ng

RT: 14.859 min Scan# 20

Delta R.T. 0.174 min

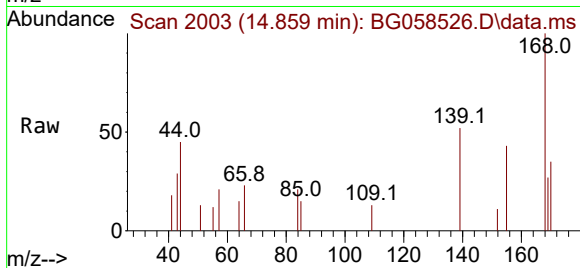
Lab File: BG058526.D

Acq: 28 Jul 2023 20:23

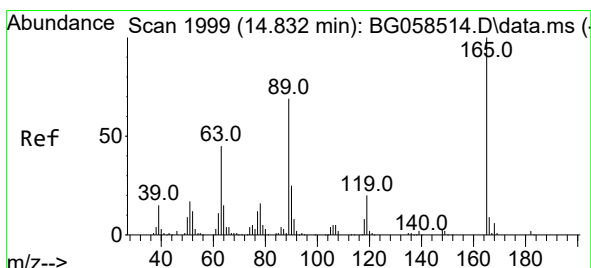
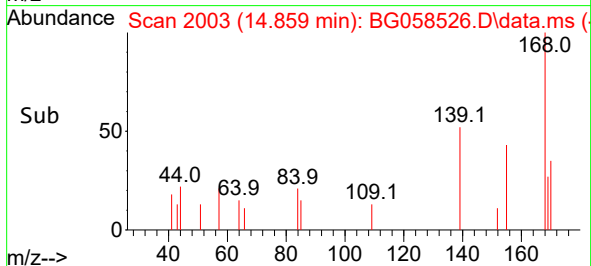
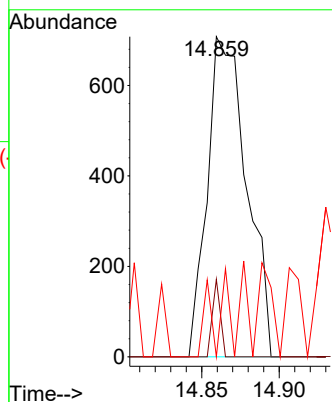
Instrument :

BNA_G

ClientSampleId :



Tgt Ion:	139	Resp:	1248
Ion	Ratio	Lower	Upper
139	100		
109	24.2	52.5	92.5#
65	0.0	90.5	130.5#



#57

2,4-Dinitrotoluene

Concen: 5.699 ng

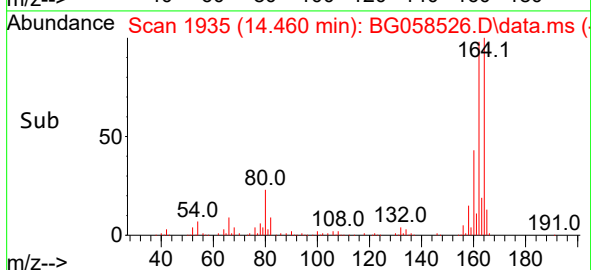
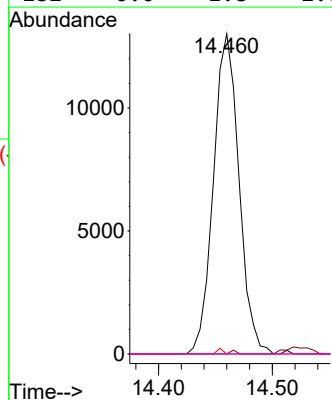
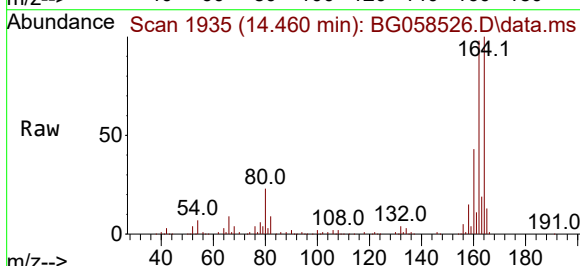
RT: 14.460 min Scan# 1935

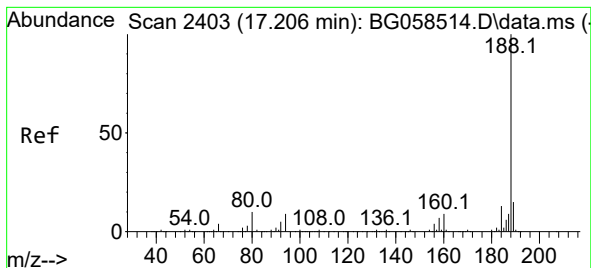
Delta R.T. -0.372 min

Lab File: BG058526.D

Acq: 28 Jul 2023 20:23

Tgt Ion:	165	Resp:	20256
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: 17.204 min Scan# 24

Delta R.T. -0.002 min

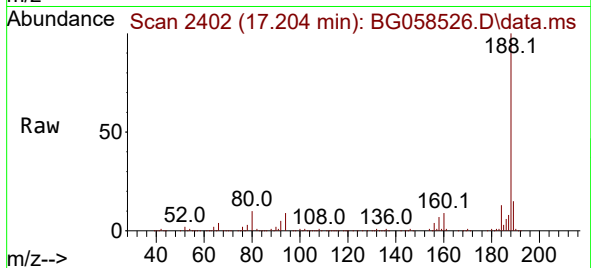
Lab File: BG058526.D

Acq: 28 Jul 2023 20:23

Instrument :

BNA_G

ClientSampleId :



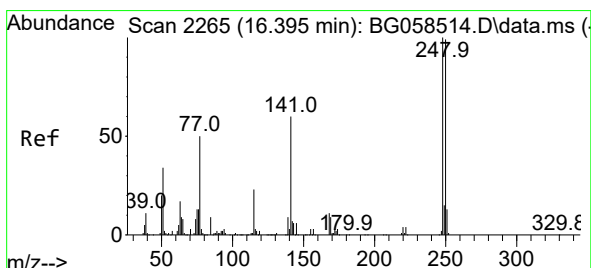
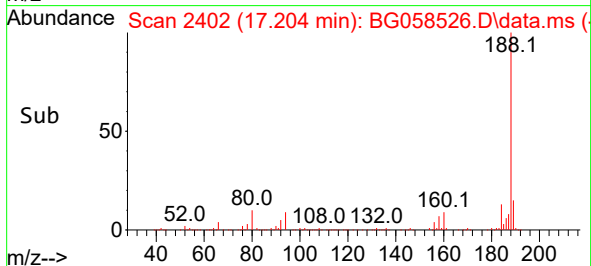
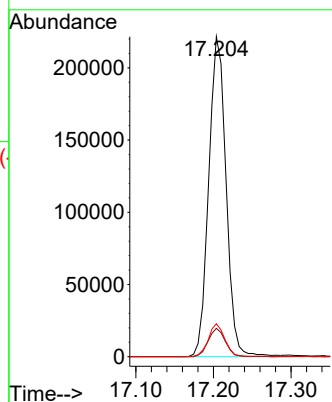
Tgt Ion:188 Resp: 344626

Ion Ratio Lower Upper

188 100

94 8.8 7.0 10.6

80 10.3 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 2.536 ng

RT: 15.952 min Scan# 2189

Delta R.T. -0.443 min

Lab File: BG058526.D

Acq: 28 Jul 2023 20:23

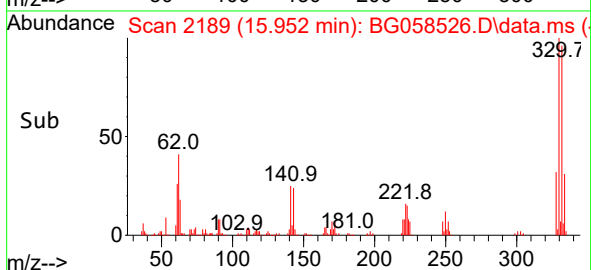
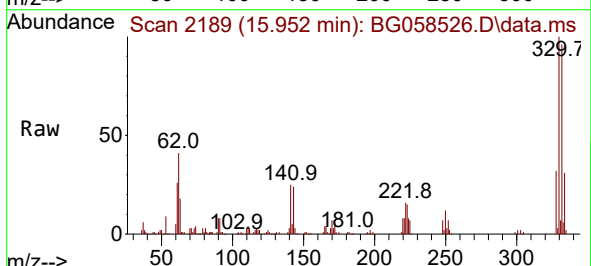
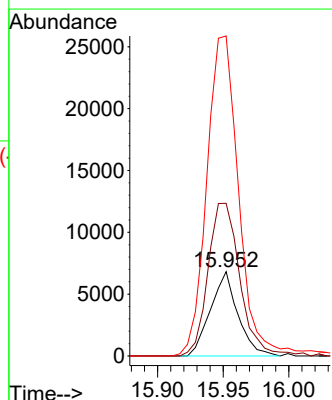
Tgt Ion:248 Resp: 9912

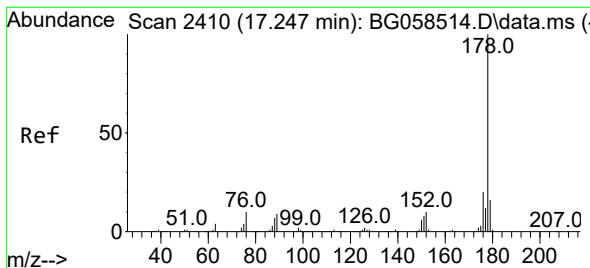
Ion Ratio Lower Upper

248 100

250 180.9 79.5 119.3#

141 379.2 48.2 72.2#





#71

Phenanthrene

Concen: 9.311 ng

RT: 17.245 min Scan# 2410

Delta R.T. -0.002 min

Lab File: BG058526.D

Acq: 28 Jul 2023 20:23

Instrument :

BNA_G

ClientSampleId :

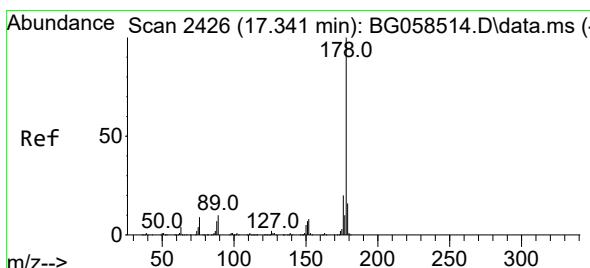
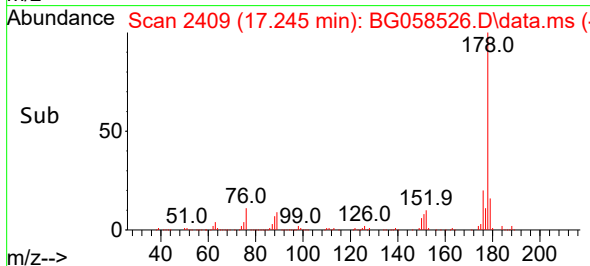
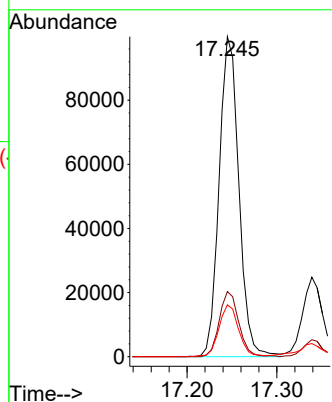
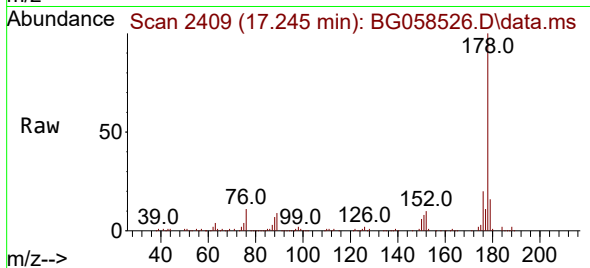
Tgt Ion:178 Resp: 152171

Ion Ratio Lower Upper

178 100

176 20.3 16.3 24.5

179 16.2 13.1 19.7



#72

Anthracene

Concen: 2.203 ng

RT: 17.339 min Scan# 2425

Delta R.T. -0.002 min

Lab File: BG058526.D

Acq: 28 Jul 2023 20:23

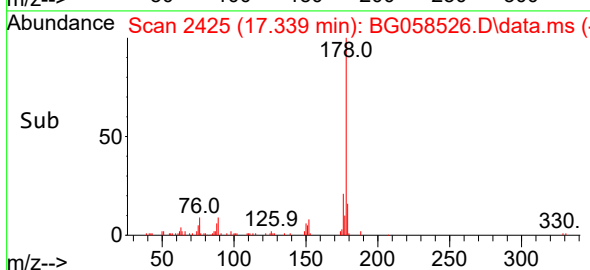
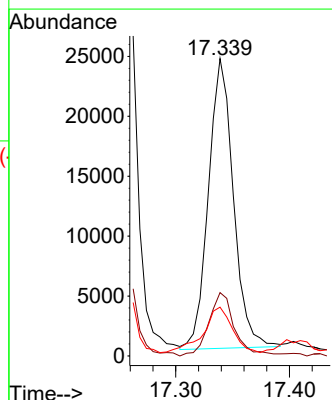
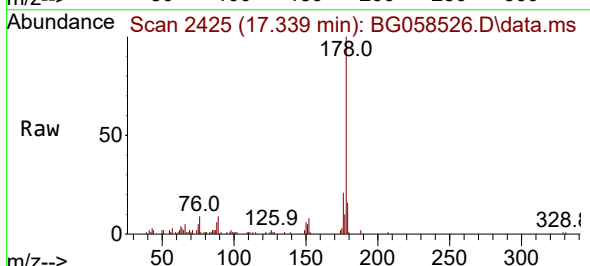
Tgt Ion:178 Resp: 36949

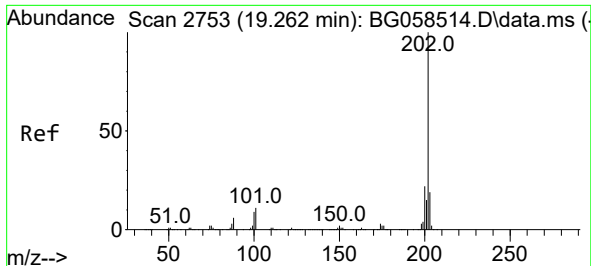
Ion Ratio Lower Upper

178 100

176 21.3 16.0 24.0

179 16.4 12.9 19.3

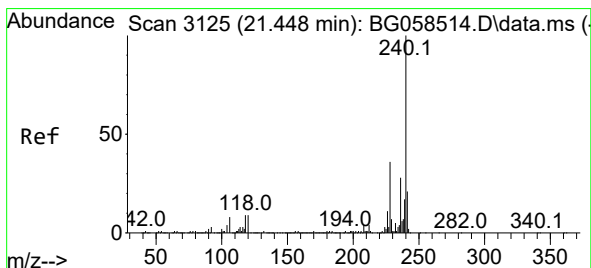
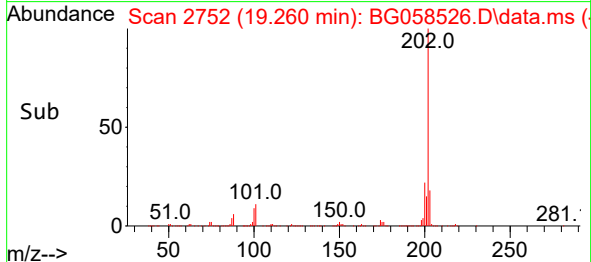
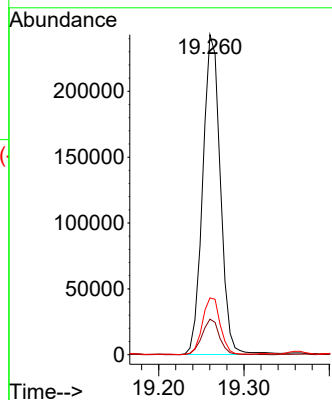
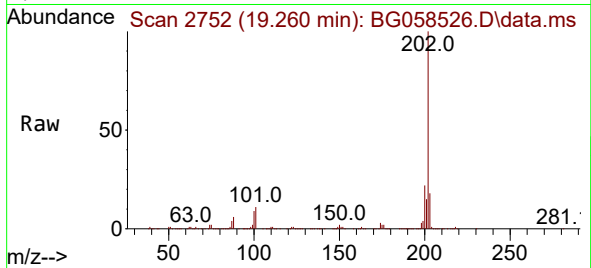




#75
Fluoranthene
Concen: 17.776 ng
RT: 19.260 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

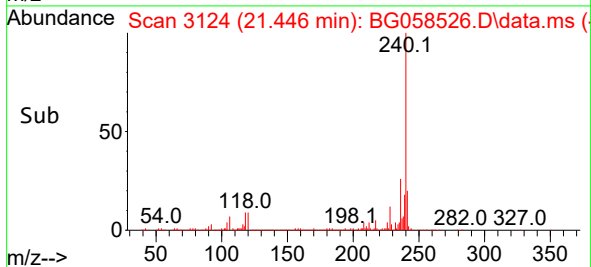
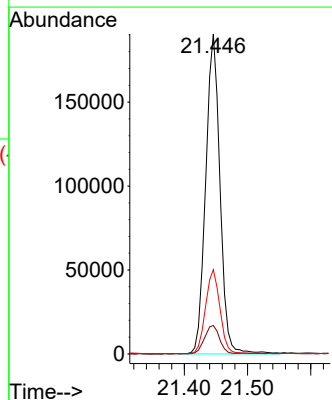
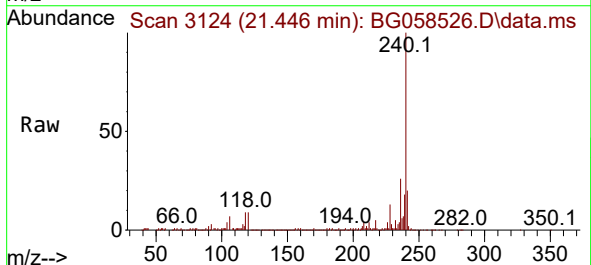
Instrument :
BNA_G
ClientSampleId :

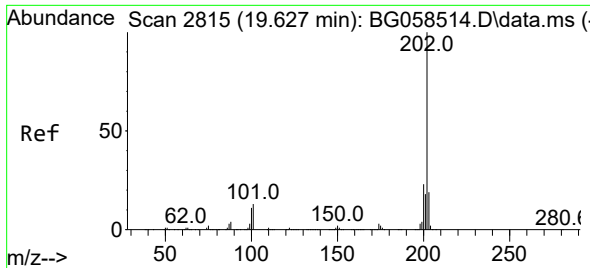
Tgt Ion:202 Resp: 348977
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.4
203 17.8 0.0 39.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.446 min Scan# 3124
Delta R.T. -0.002 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

Tgt Ion:240 Resp: 298818
Ion Ratio Lower Upper
240 100
120 8.9 7.4 11.0
236 26.4 22.2 33.4

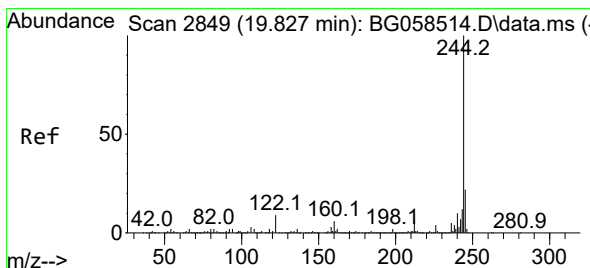
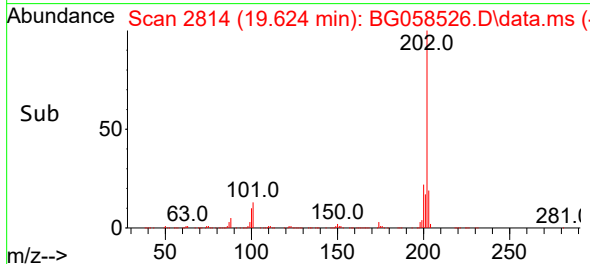
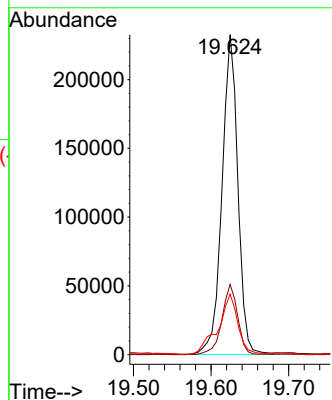
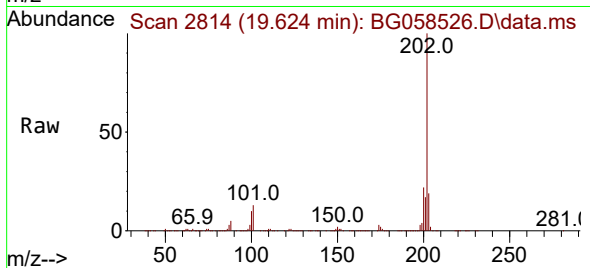




#78
 Pyrene
 Concen: 16.301 ng
 RT: 19.624 min Scan# 2815
 Delta R.T. -0.002 min
 Lab File: BG058526.D
 Acq: 28 Jul 2023 20:23

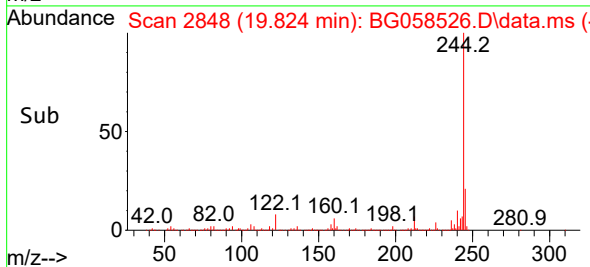
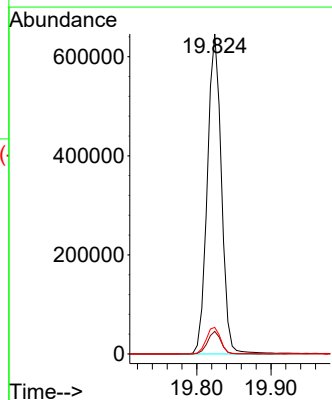
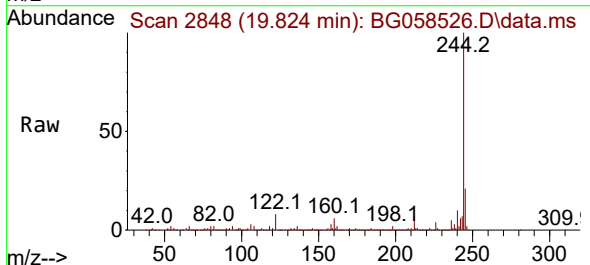
Instrument :
 BNA_G
 ClientSampleId :

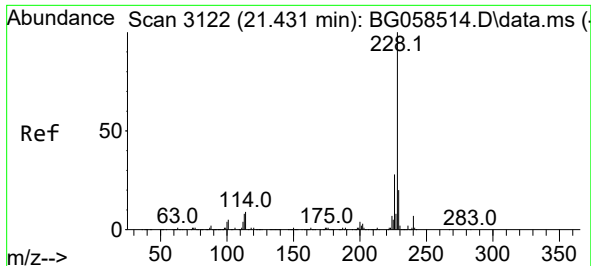
Tgt Ion:202 Resp: 331492
 Ion Ratio Lower Upper
 202 100
 200 22.0 18.2 27.2
 203 18.9 15.1 22.7



#79
 Terphenyl-d14
 Concen: 53.664 ng
 RT: 19.824 min Scan# 2848
 Delta R.T. -0.002 min
 Lab File: BG058526.D
 Acq: 28 Jul 2023 20:23

Tgt Ion:244 Resp: 852723
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 8.3 6.8 10.2

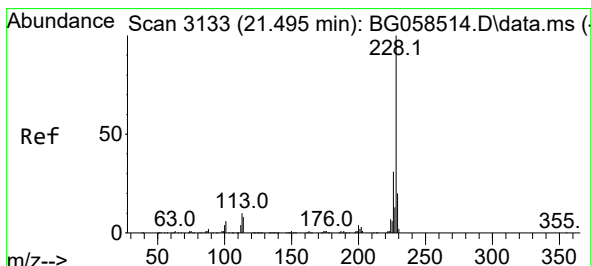
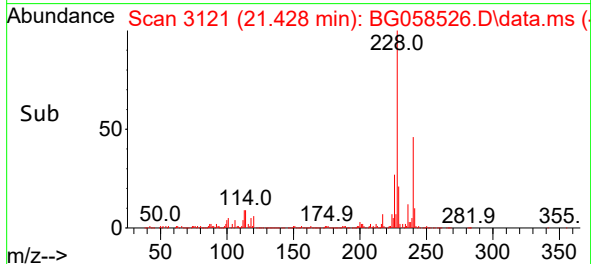
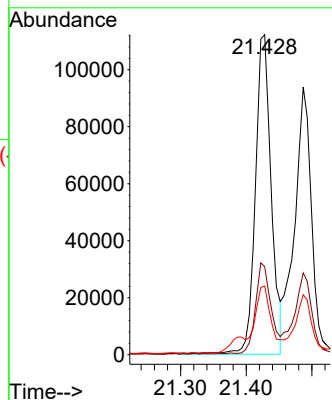
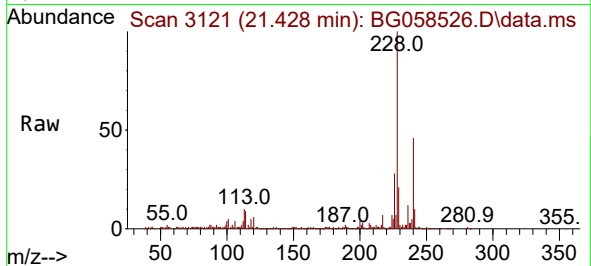




#81
Benzo(a)anthracene
Concen: 9.109 ng
RT: 21.428 min Scan# 3122
Delta R.T. -0.002 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

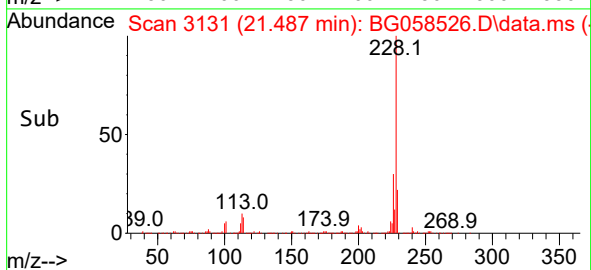
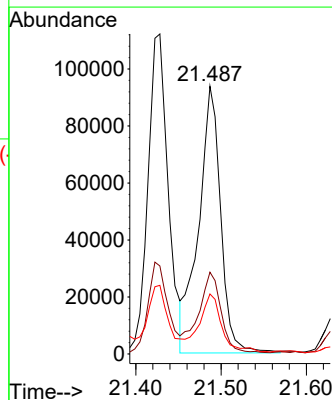
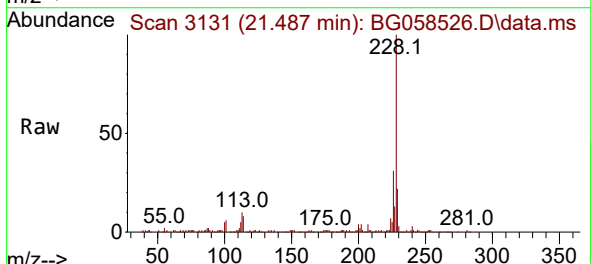
Instrument :
BNA_G
ClientSampleId :

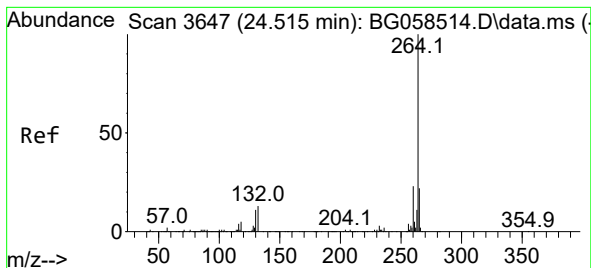
Tgt Ion:228 Resp: 187314
Ion Ratio Lower Upper
228 100
226 27.5 22.6 33.8
229 21.4 16.3 24.5



#83
Chrysene
Concen: 8.561 ng
RT: 21.487 min Scan# 3131
Delta R.T. -0.008 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

Tgt Ion:228 Resp: 168787
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 22.4 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.513 min Scan# 3

Delta R.T. -0.002 min

Lab File: BG058526.D

Acq: 28 Jul 2023 20:23

Instrument :

BNA_G

ClientSampleId :

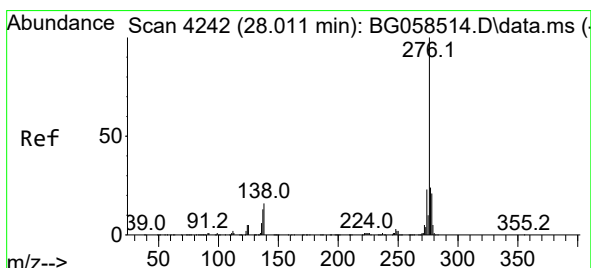
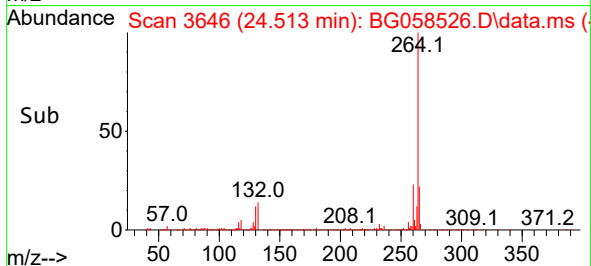
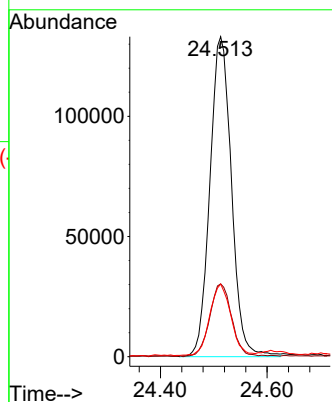
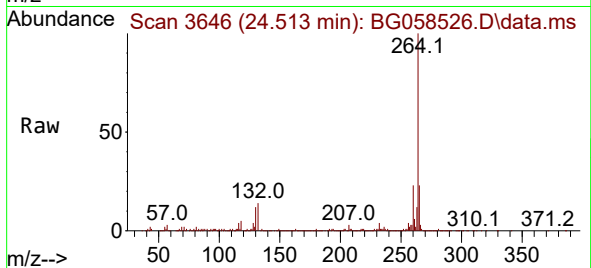
Tgt Ion:264 Resp: 373258

Ion Ratio Lower Upper

264 100

260 22.7 18.4 27.6

265 22.7 17.9 26.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.998 ng

RT: 27.997 min Scan# 4239

Delta R.T. -0.014 min

Lab File: BG058526.D

Acq: 28 Jul 2023 20:23

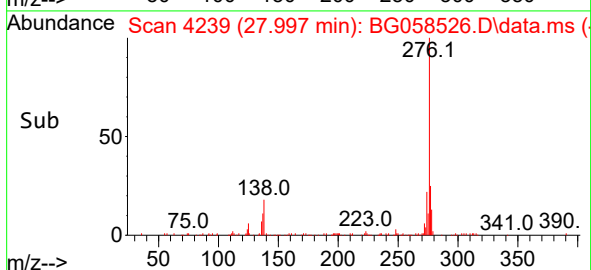
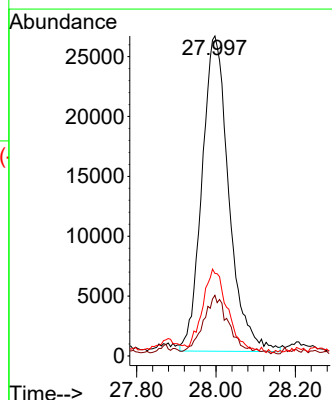
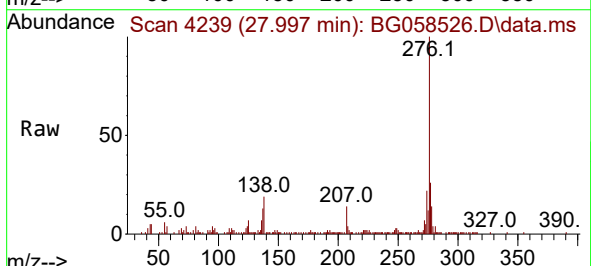
Tgt Ion:276 Resp: 124115

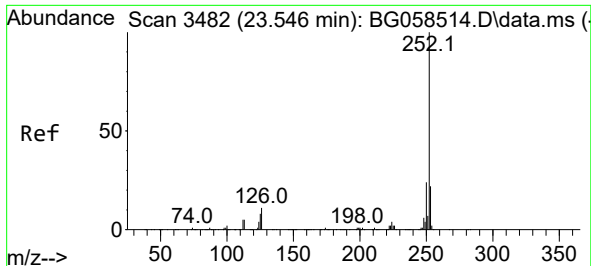
Ion Ratio Lower Upper

276 100

138 16.1 16.0 24.0

277 23.4 20.4 30.6

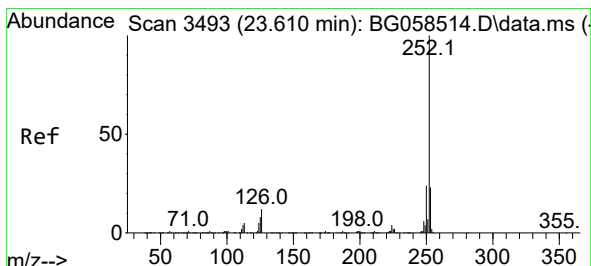
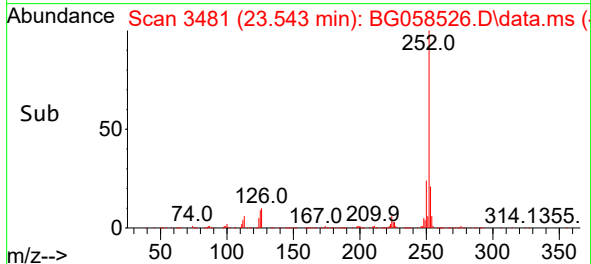
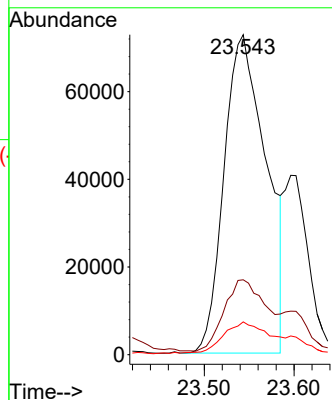
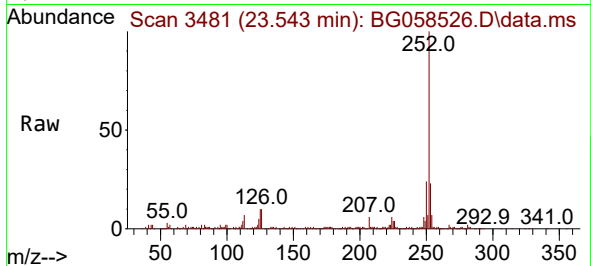




#88
Benzo(b)fluoranthene
Concen: 11.689 ng
RT: 23.543 min Scan# 3482
Delta R.T. -0.002 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

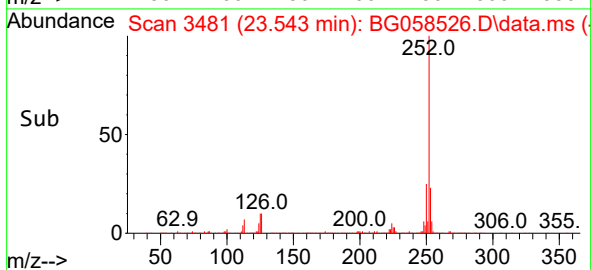
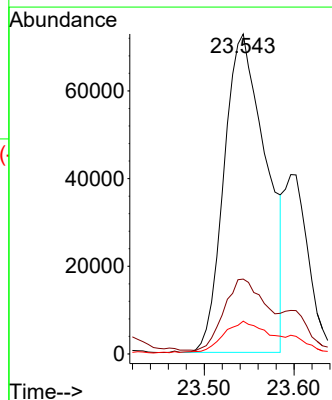
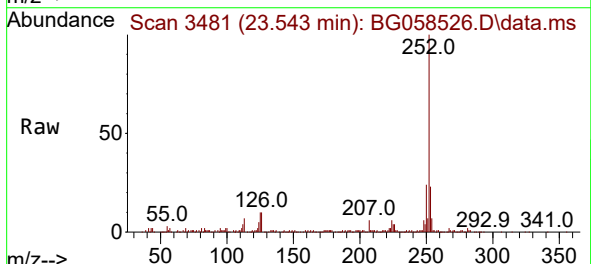
Instrument :
BNA_G
ClientSampleId :

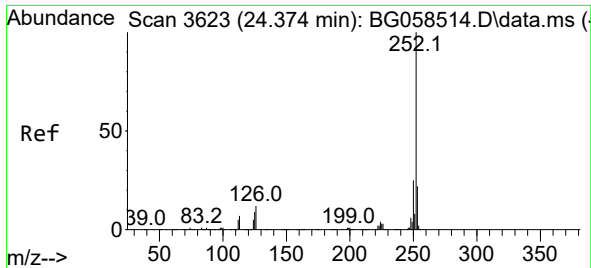
Tgt Ion:252 Resp: 236649
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 10.3 6.6 9.8#



#89
Benzo(k)fluoranthene
Concen: 11.636 ng
RT: 23.543 min Scan# 3481
Delta R.T. -0.067 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

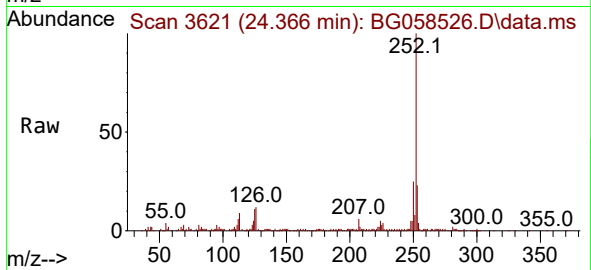
Tgt Ion:252 Resp: 236649
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 10.3 6.6 10.0#



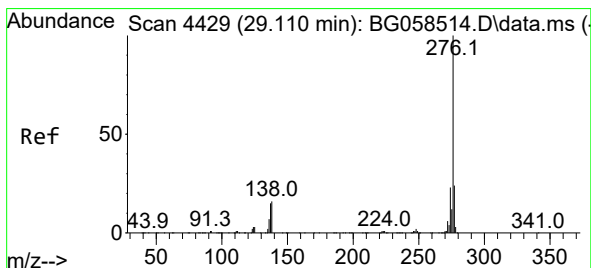
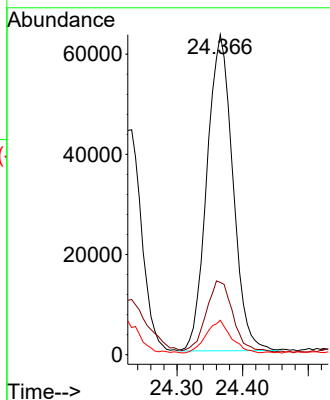
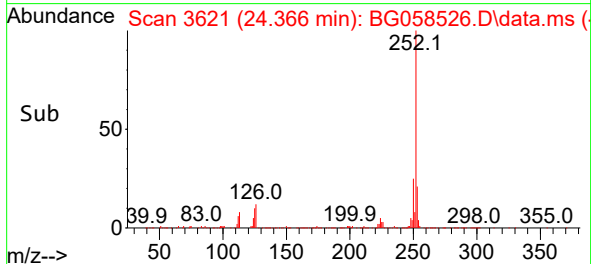


#90
Benzo(a)pyrene
Concen: 8.704 ng
RT: 24.366 min Scan# 3621
Delta R.T. -0.008 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

Instrument :
BNA_G
ClientSampleId :



Tgt Ion:252 Resp: 173048
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 10.7 7.4 11.2



#92
Benzo(g,h,i)perylene
Concen: 6.265 ng
RT: 29.084 min Scan# 4424
Delta R.T. -0.026 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

Tgt Ion:276 Resp: 128996
Ion Ratio Lower Upper
276 100
277 24.6 18.9 28.3
138 15.9 13.0 19.4

