

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081023\
 Data File : BG058673.D
 Acq On : 10 Aug 2023 10:43
 Operator : MA/JU
 Sample : 03932-04 50X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB-01-Z67-69

Quant Time: Aug 11 01:52:42 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)

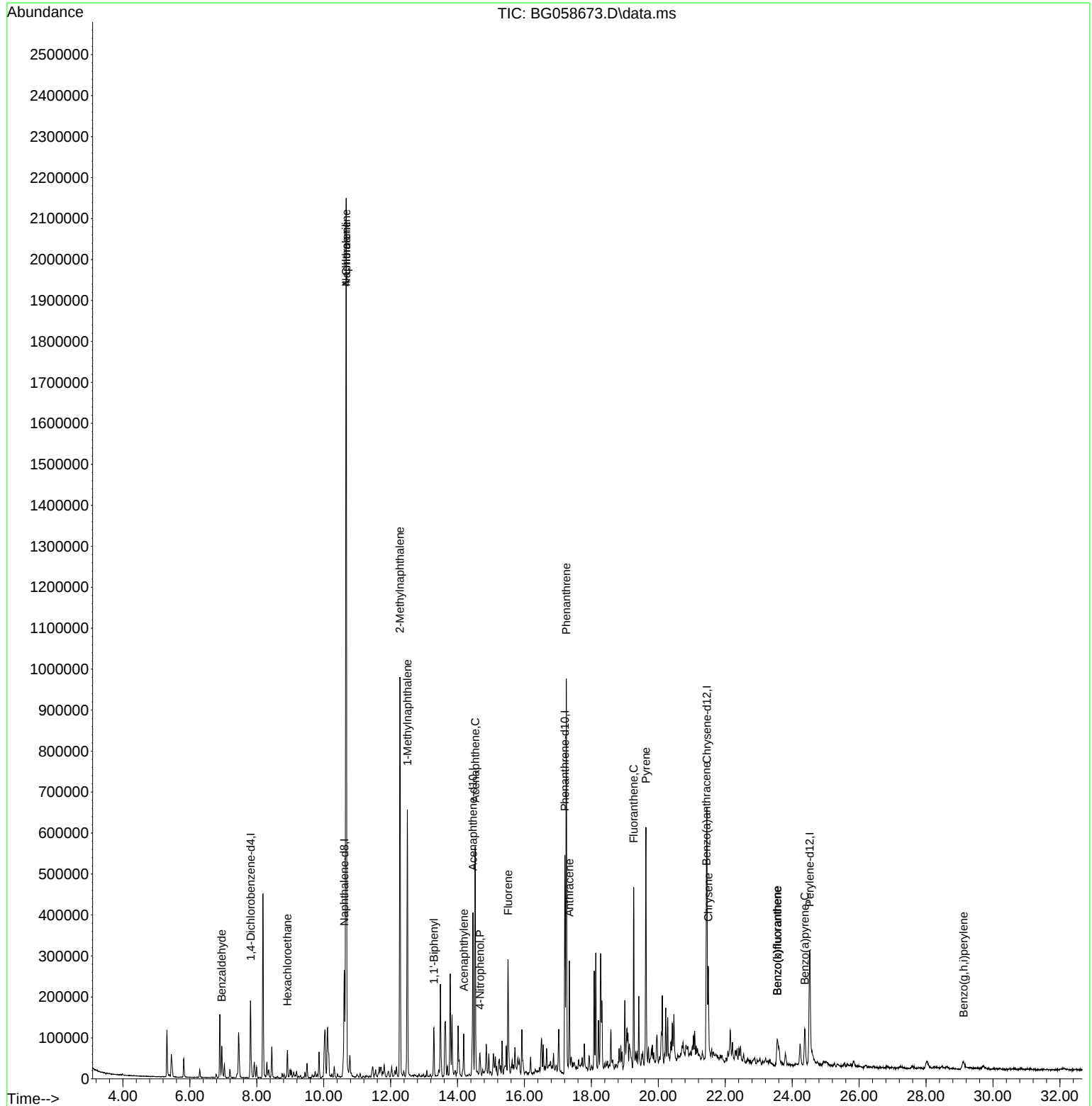
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	54239	20.000	ng	0.00
21) Naphthalene-d8	10.614	136	228746	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	148698	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	349025	20.000	ng	0.00
76) Chrysene-d12	21.449	240	296451	20.000	ng	0.00
86) Perylene-d12	24.521	264	353024	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.391	112	2970	0.837	ng	0.00
7) Phenol-d6	6.989	99	4253	0.861	ng	0.00
23) Nitrobenzene-d5	8.981	82	2607	0.560	ng	0.00
42) 2,4,6-Tribromophenol	15.961	330	1439	0.590	ng	0.00
45) 2-Fluorobiphenyl	13.082	172	7703	0.776	ng	0.00
79) Terphenyl-d14	19.821	244	13348	0.847	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.954	77	5891	2.196	ng	# 1
18) Hexachloroethane	8.916	117	5892	4.343	ng	# 1
31) Naphthalene	10.673	128	1883133	156.196	ng	98
33) 4-Chloroaniline	10.673	127	261345	51.306	ng	# 31
37) 2-Methylnaphthalene	12.277	142	509567	59.087	ng	97
38) 1-Methylnaphthalene	12.500	142	316435	38.600	ng	99
46) 1,1'-Biphenyl	13.293	154	65930	6.456	ng	98
49) Acenaphthylene	14.187	152	35551	2.667	ng	# 87
52) Acenaphthene	14.527	154	209152	27.153	ng	99
56) 4-Nitrophenol	14.668	139	2305	4.541	ng	# 26
58) Fluorene	15.509	166	138602	13.182	ng	100
71) Phenanthrene	17.248	178	619088	37.402	ng	99
72) Anthracene	17.342	178	170690	10.050	ng	99
75) Fluoranthene	19.263	202	259881	13.071	ng	99
78) Pyrene	19.627	202	377813	18.727	ng	97
81) Benzo(a)anthracene	21.431	228	169098	8.289	ng	96
83) Chrysene	21.490	228	153367	7.841	ng	97
88) Benzo(b)fluoranthene	23.552	252	87934	4.593	ng	94
89) Benzo(k)fluoranthene	23.552	252	87934	4.571	ng	95
90) Benzo(a)pyrene	24.375	252	105451	5.608	ng	99
92) Benzo(g,h,i)perylene	29.116	276	39663	2.037	ng	98

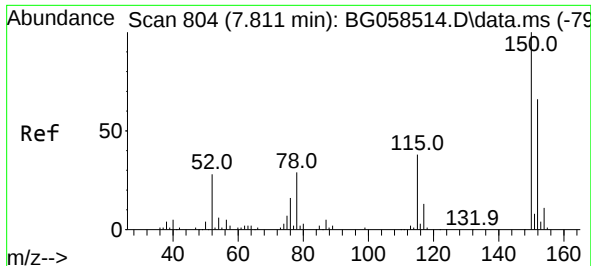
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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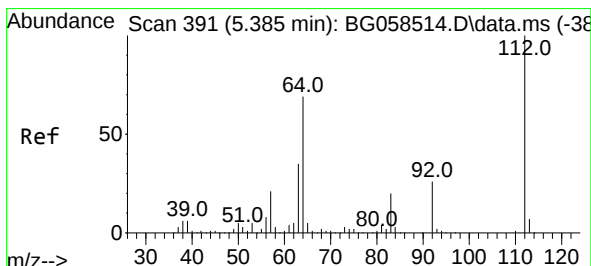
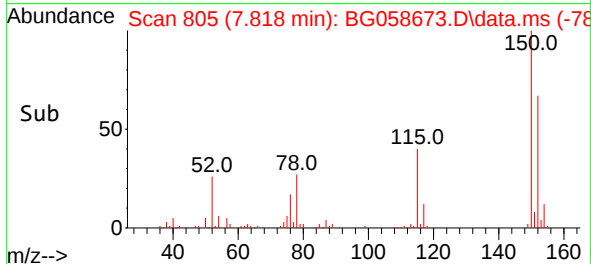
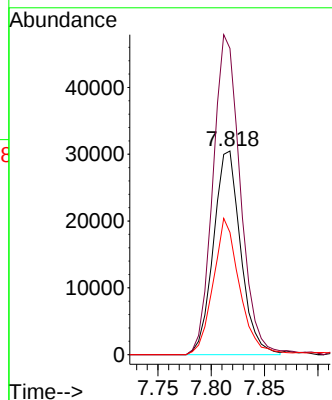
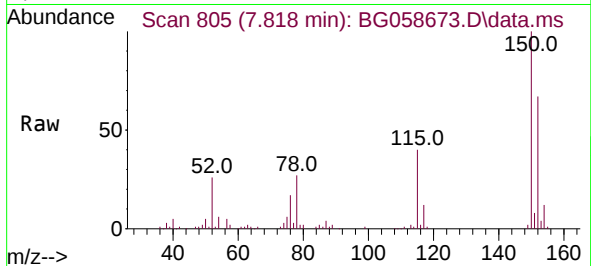




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.818 min Scan# 804
Delta R.T. 0.007 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

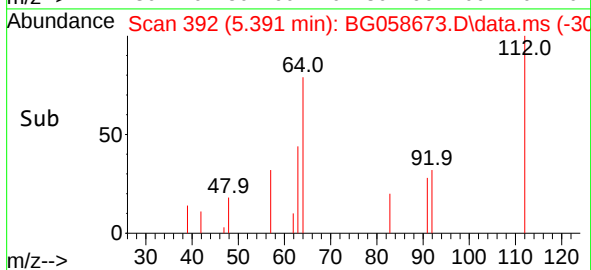
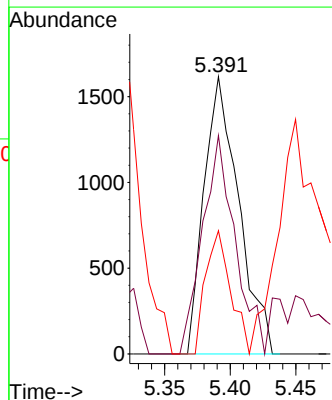
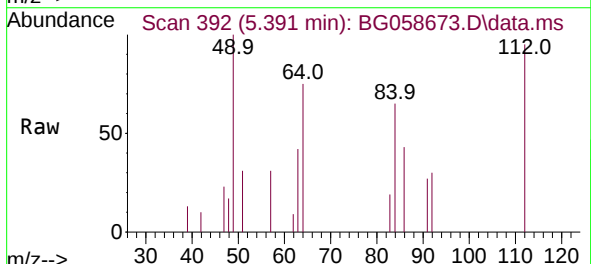
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z67-69

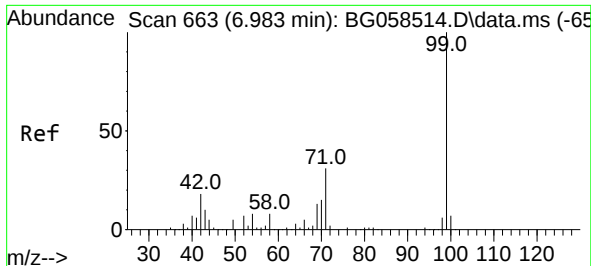
Tgt Ion:152 Resp: 54239
Ion Ratio Lower Upper
152 100
150 150.4 120.5 180.7
115 60.0 45.9 68.9



#5
2-Fluorophenol
Concen: 0.837 ng
RT: 5.391 min Scan# 392
Delta R.T. 0.006 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

Tgt Ion:112 Resp: 2970
Ion Ratio Lower Upper
112 100
64 78.8 55.3 82.9
63 44.4 28.3 42.5#

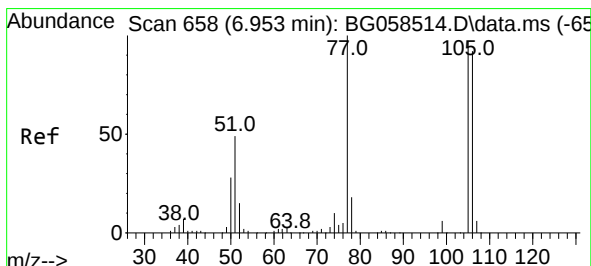
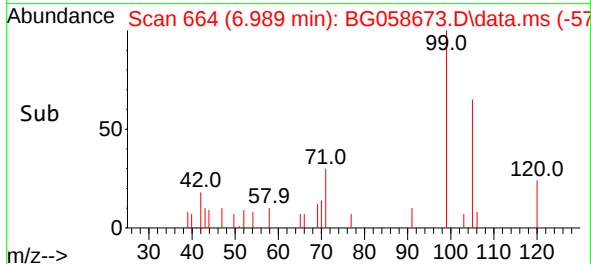
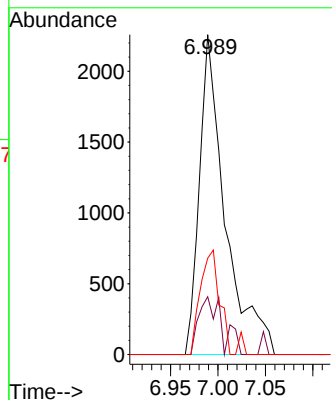
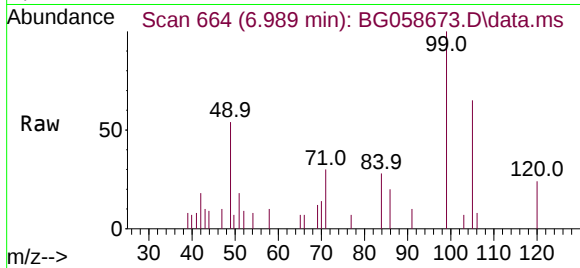




#7
Phenol-d6
Concen: 0.861 ng
RT: 6.989 min Scan# 60
Delta R.T. 0.006 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

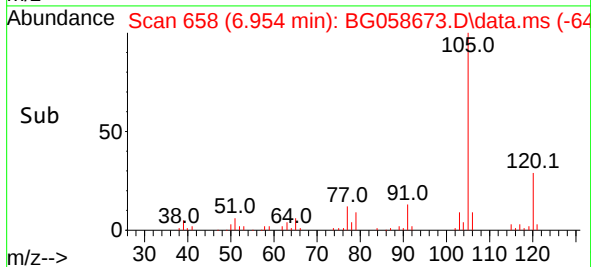
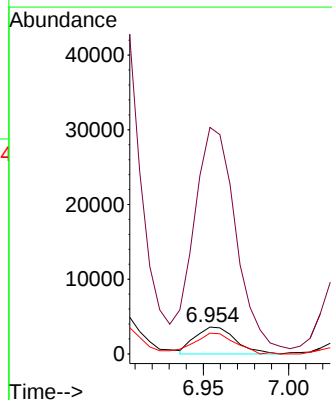
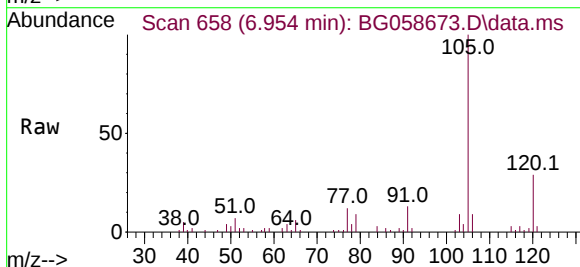
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z67-69

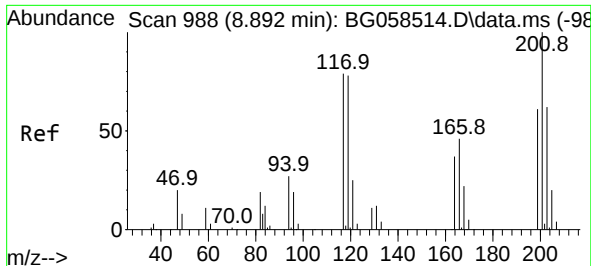
Tgt Ion: 99 Resp: 4253
Ion Ratio Lower Upper
99 100
42 18.1 14.6 21.8
71 30.1 25.0 37.4



#9
Benzaldehyde
Concen: 2.196 ng
RT: 6.954 min Scan# 658
Delta R.T. 0.001 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

Tgt Ion: 77 Resp: 5891
Ion Ratio Lower Upper
77 100
105 846.2 77.1 117.1#
106 77.7 71.6 111.6

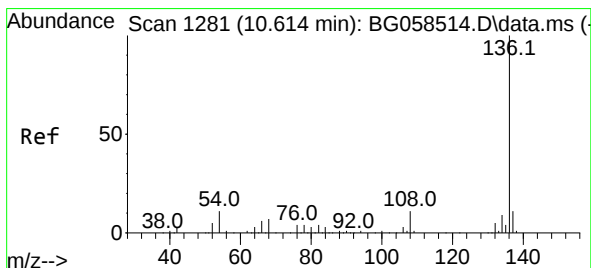
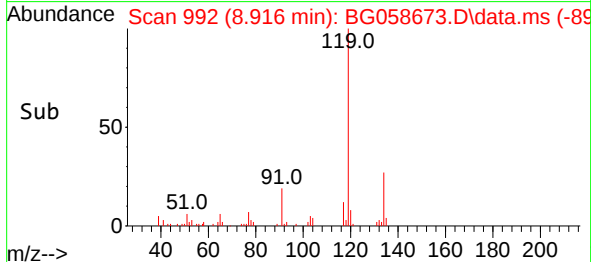
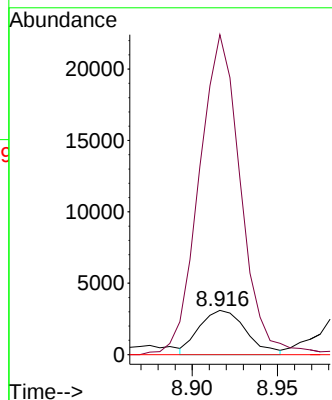
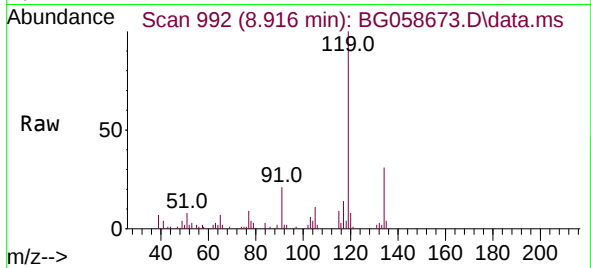




#18
Hexachloroethane
Concen: 4.343 ng
RT: 8.916 min Scan# 991
Delta R.T. 0.024 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

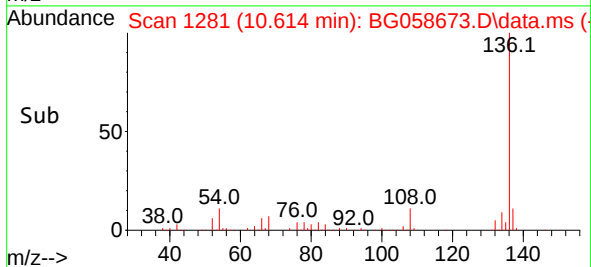
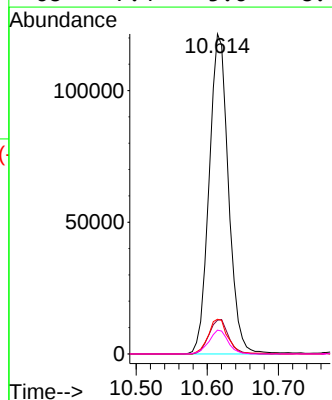
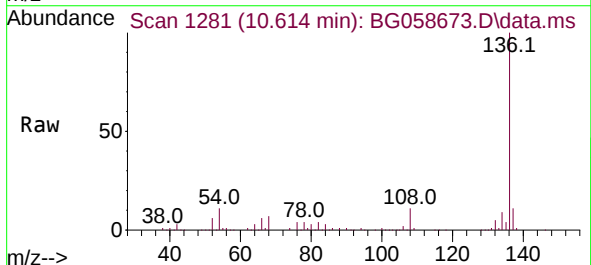
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z67-69

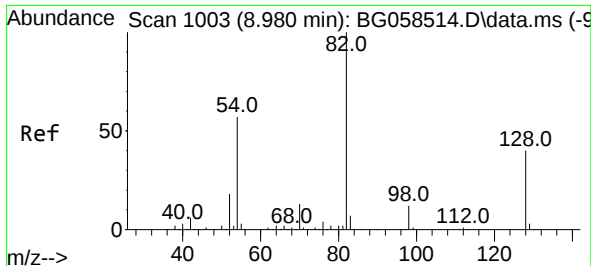
Tgt Ion:117 Resp: 5892
Ion Ratio Lower Upper
117 100
119 723.1 78.6 117.8#
201 0.0 101.4 152.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.614 min Scan# 1281
Delta R.T. 0.000 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

Tgt Ion:136 Resp: 228746
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 10.8 8.9 13.3
68 7.4 5.6 8.4

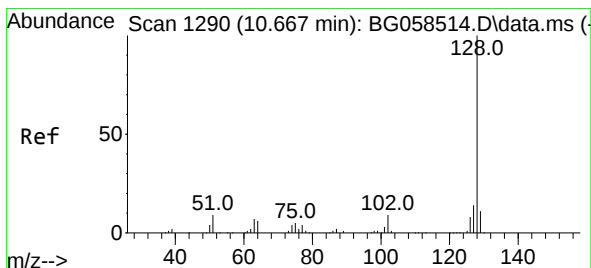
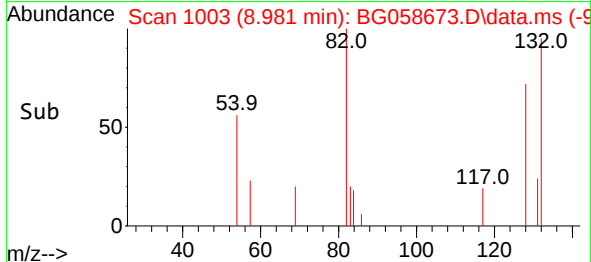
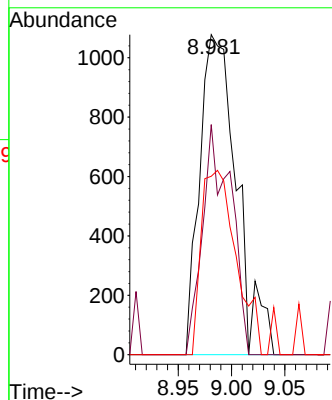
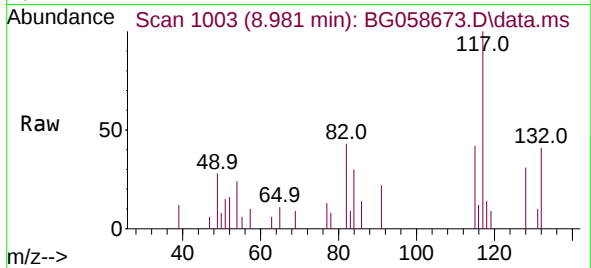




#23
Nitrobenzene-d5
Concen: 0.560 ng
RT: 8.981 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

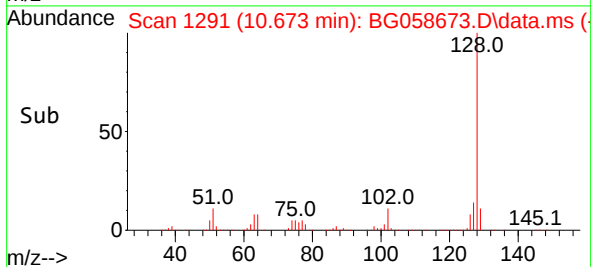
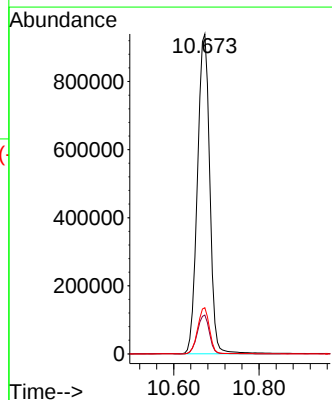
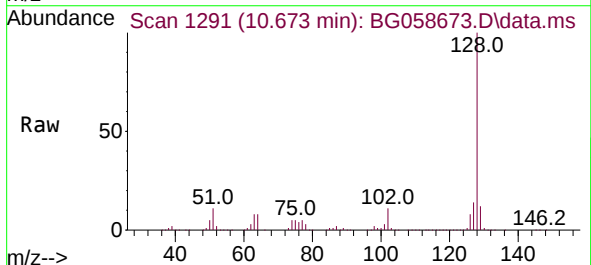
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z67-69

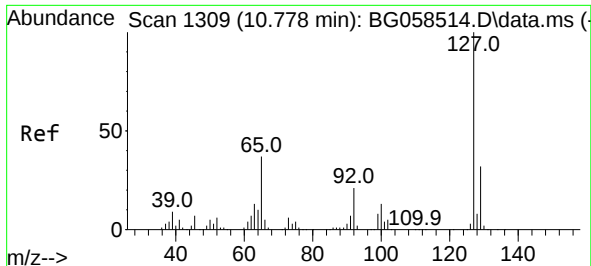
Tgt Ion: 82 Resp: 2607
Ion Ratio Lower Upper
82 100
128 71.9 32.2 48.2#
54 55.8 46.0 69.0



#31
Naphthalene
Concen: 156.196 ng
RT: 10.673 min Scan# 1291
Delta R.T. 0.006 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

Tgt Ion:128 Resp: 1883133
Ion Ratio Lower Upper
128 100
129 12.1 8.8 13.2
127 14.4 10.9 16.3

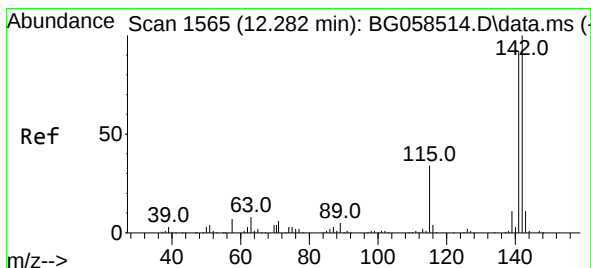
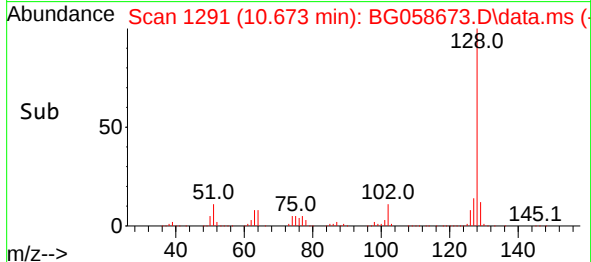
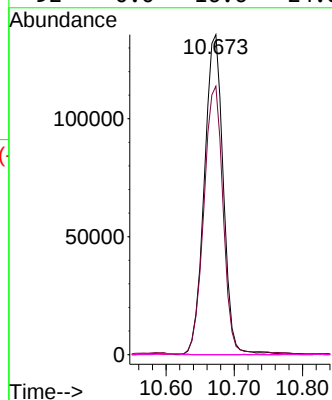
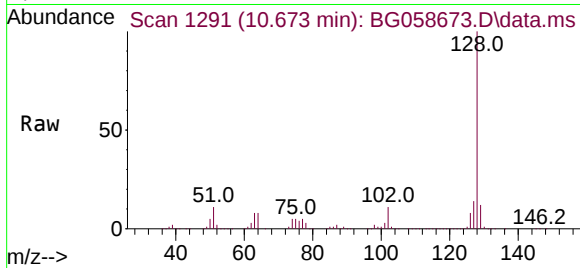




#33
4-Chloroaniline
Concen: 51.306 ng
RT: 10.673 min Scan# 11
Delta R.T. -0.105 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

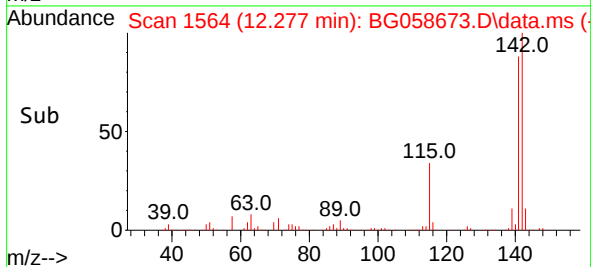
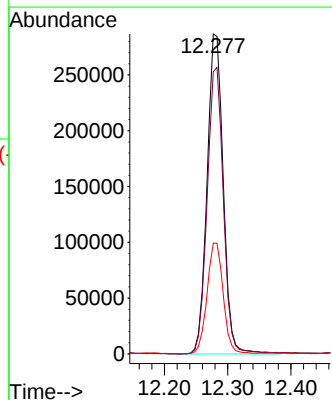
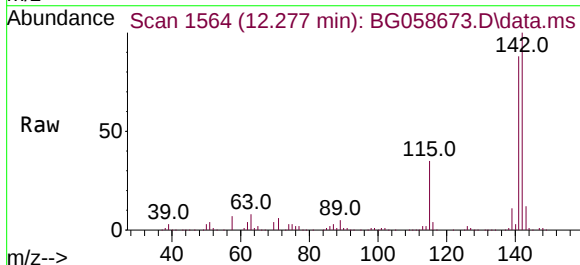
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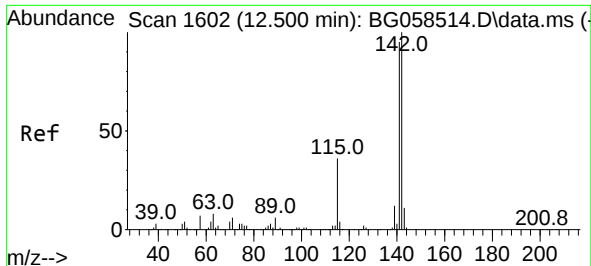
Tgt Ion:	127	Resp:	261345
Ion Ratio	Lower	Upper	
127	100		
129	83.9	25.4	38.2#
65	0.0	29.5	44.3#
92	0.0	16.6	24.8#



#37
2-Methylnaphthalene
Concen: 59.087 ng
RT: 12.277 min Scan# 1564
Delta R.T. -0.005 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

Tgt Ion:	142	Resp:	509567
Ion Ratio	Lower	Upper	
142	100		
141	88.2	73.5	110.3
115	34.6	27.4	41.0

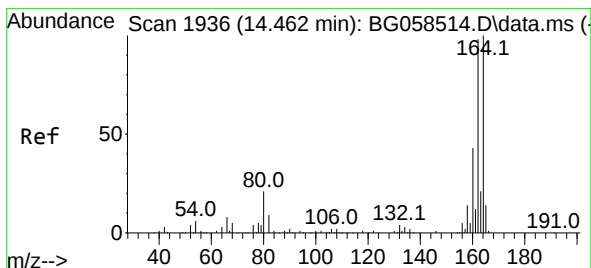
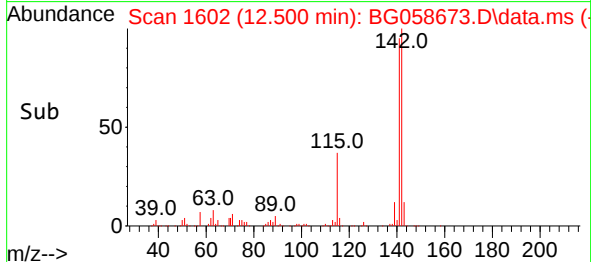
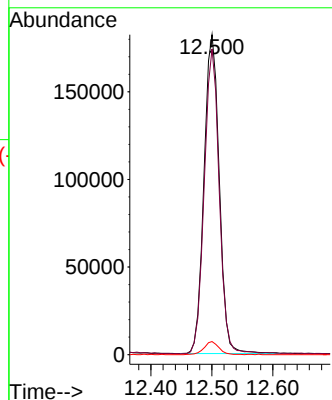
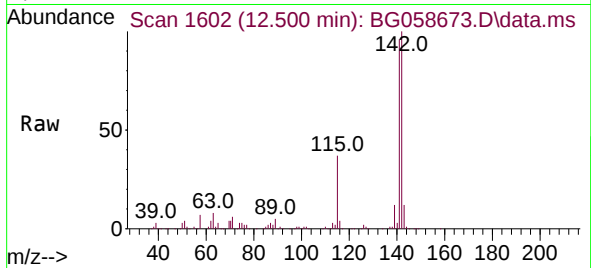




#38
1-Methylnaphthalene
Concen: 38.600 ng
RT: 12.500 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

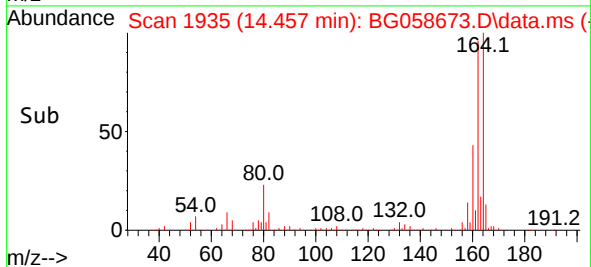
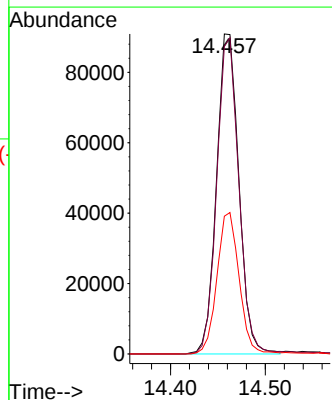
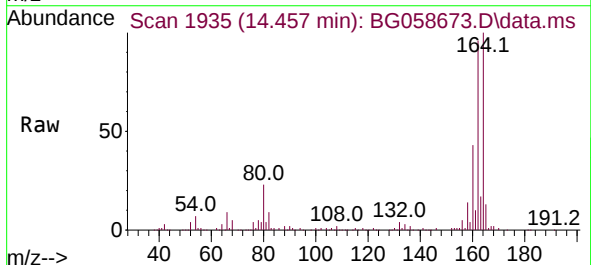
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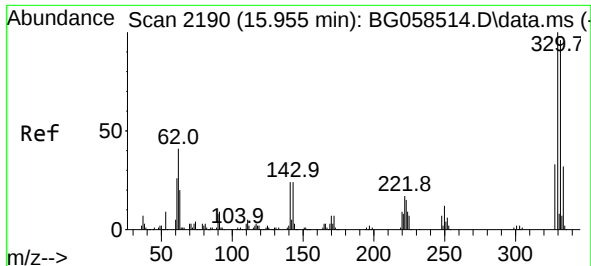
Tgt Ion:142 Resp: 316435
Ion Ratio Lower Upper
142 100
141 95.6 75.7 113.5
116 4.1 3.2 4.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1935
Delta R.T. -0.005 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

Tgt Ion:164 Resp: 148698
Ion Ratio Lower Upper
164 100
162 96.1 78.3 117.5
160 43.0 34.1 51.1





#42

2,4,6-Tribromophenol

Concen: 0.590 ng

RT: 15.961 min Scan# 2191

Delta R.T. 0.006 min

Lab File: BG058673.D

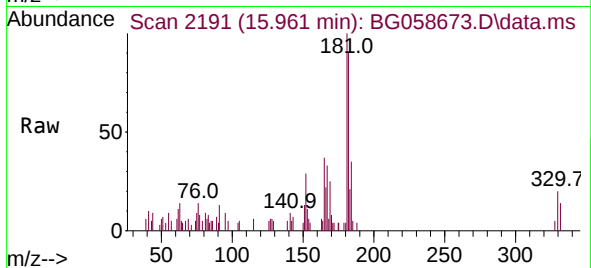
Acq: 10 Aug 2023 10:43

Instrument :

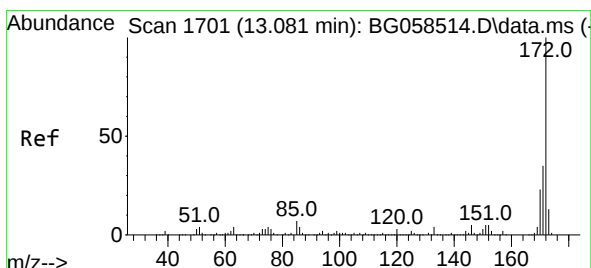
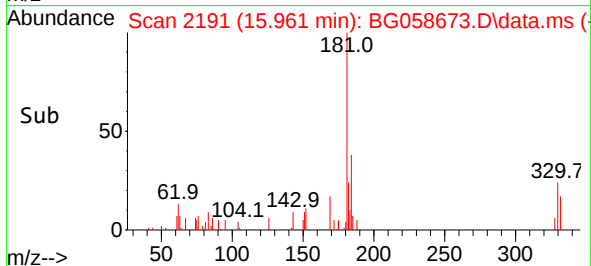
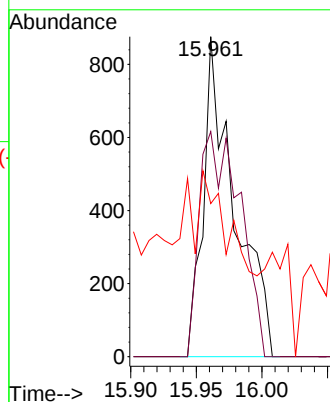
BNA_G

ClientSampleId :

NEVINS-SB-01-Z67-69



Tgt Ion:	330	Resp:	1439
Ion	Ratio	Lower	Upper
330	100		
332	92.7	77.5	116.3
141	24.9	20.7	31.1



#45

2-Fluorobiphenyl

Concen: 0.776 ng

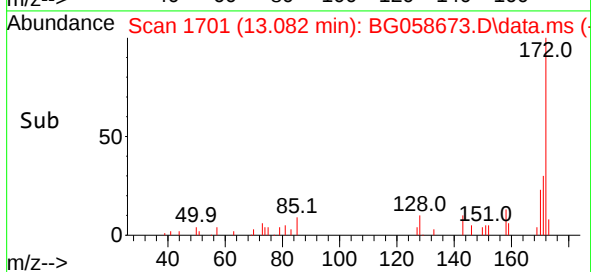
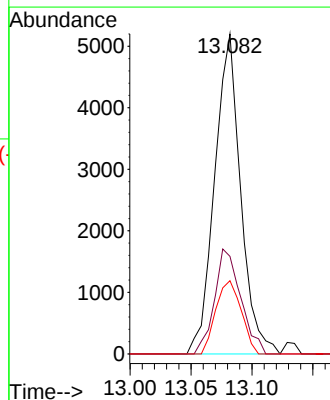
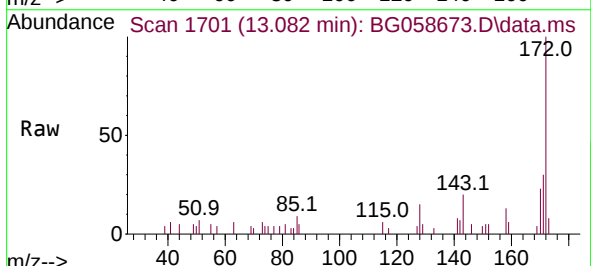
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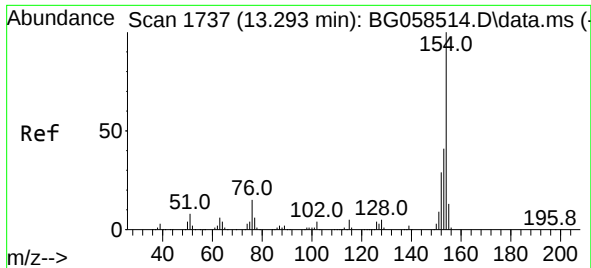
Delta R.T. 0.000 min

Lab File: BG058673.D

Acq: 10 Aug 2023 10:43

Tgt Ion:	172	Resp:	7703
Ion	Ratio	Lower	Upper
172	100		
171	30.5	28.0	42.0
170	22.9	18.4	27.6

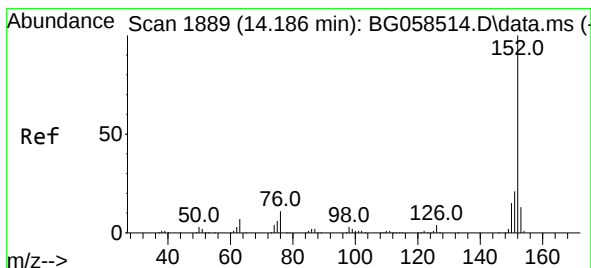
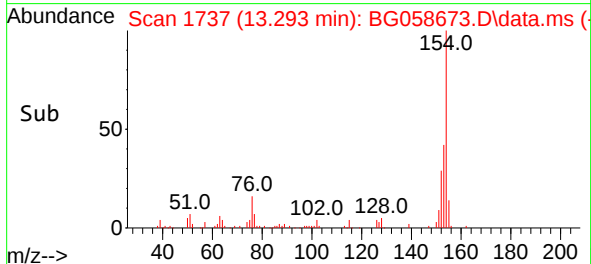
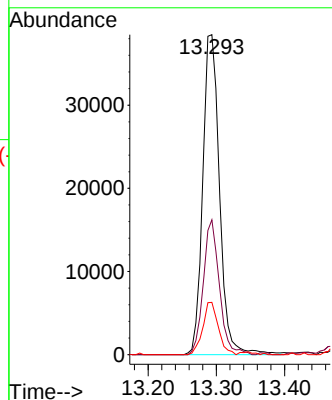
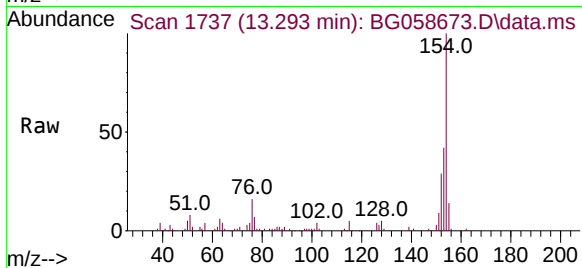




#46
1,1'-Biphenyl
Concen: 6.456 ng
RT: 13.293 min Scan# 1737
Delta R.T. 0.000 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

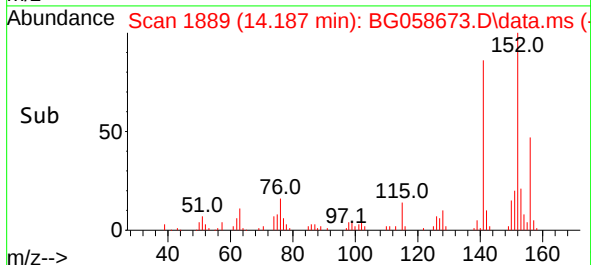
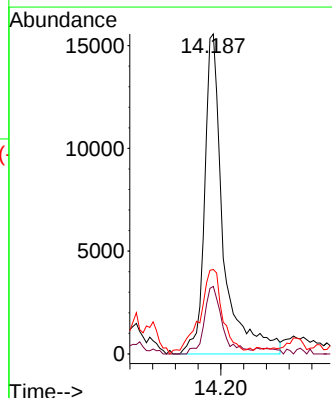
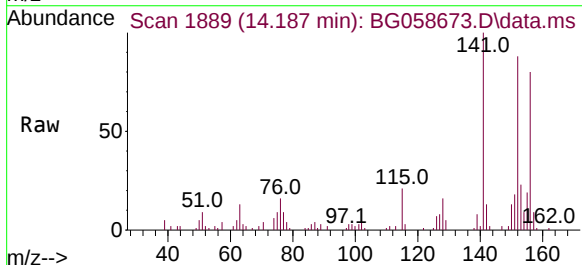
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z67-69

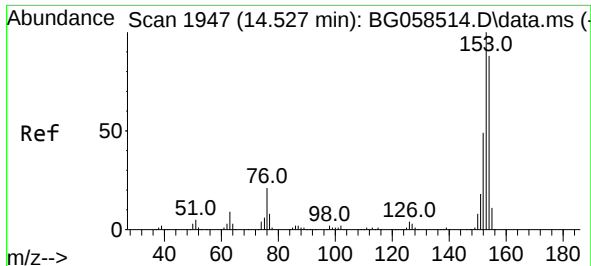
Tgt Ion:154 Resp: 65930
Ion Ratio Lower Upper
154 100
153 42.1 21.2 61.2
76 16.3 0.0 34.7



#49
Acenaphthylene
Concen: 2.667 ng
RT: 14.187 min Scan# 1889
Delta R.T. 0.000 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

Tgt Ion:152 Resp: 35551
Ion Ratio Lower Upper
152 100
151 21.1 16.5 24.7
153 26.4 10.7 16.1#

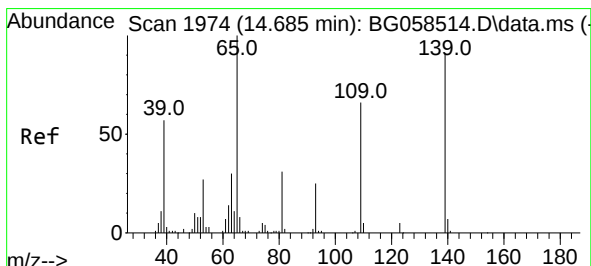
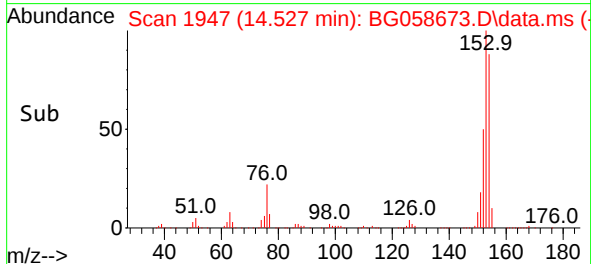
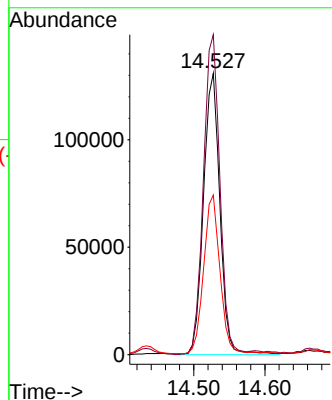
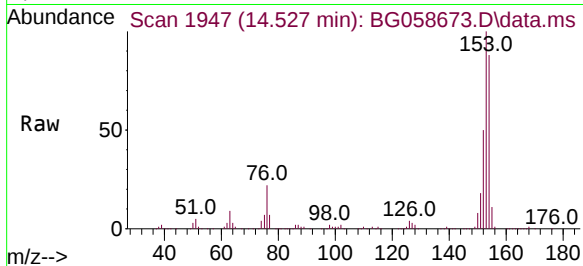




#52
Acenaphthene
Concen: 27.153 ng
RT: 14.527 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

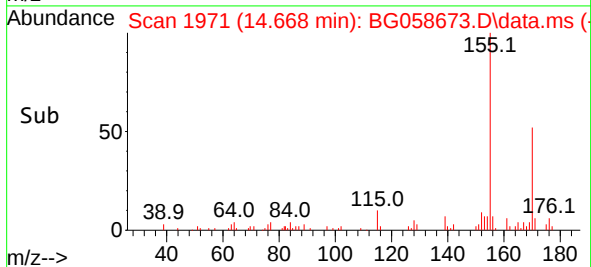
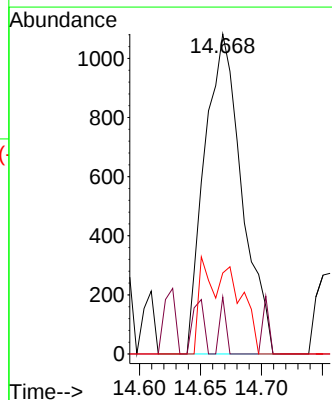
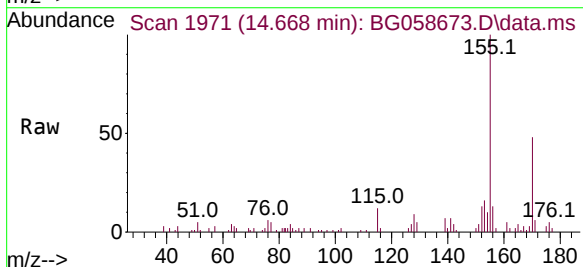
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z67-69

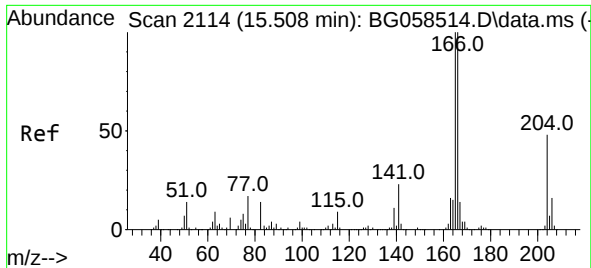
Tgt Ion:154 Resp: 209152
Ion Ratio Lower Upper
154 100
153 113.8 91.1 136.7
152 56.7 44.6 66.8



#56
4-Nitrophenol
Concen: 4.541 ng
RT: 14.668 min Scan# 1971
Delta R.T. -0.017 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

Tgt Ion:139 Resp: 2305
Ion Ratio Lower Upper
139 100
109 17.8 52.5 92.5#
65 25.3 90.5 130.5#

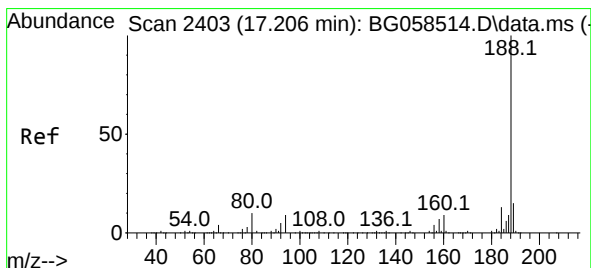
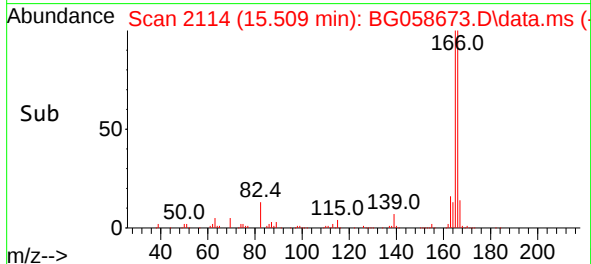
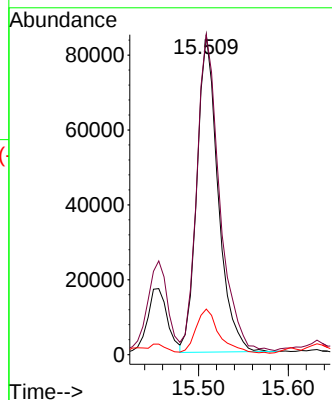
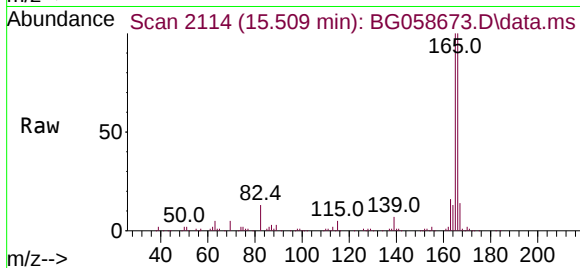




#58
 Fluorene
 Concen: 13.182 ng
 RT: 15.509 min Scan# 2114
 Delta R.T. 0.000 min
 Lab File: BG058673.D
 Acq: 10 Aug 2023 10:43

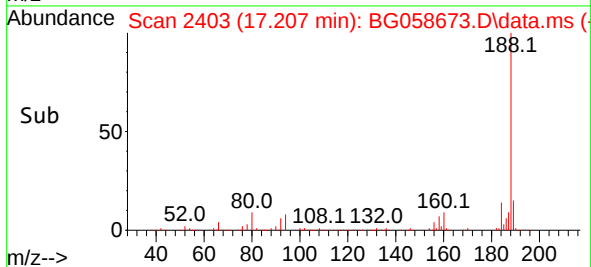
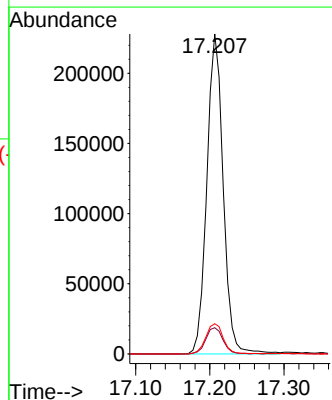
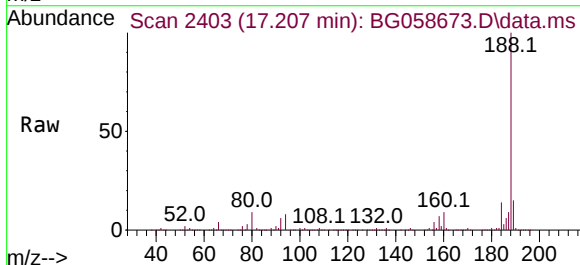
Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB-01-Z67-69

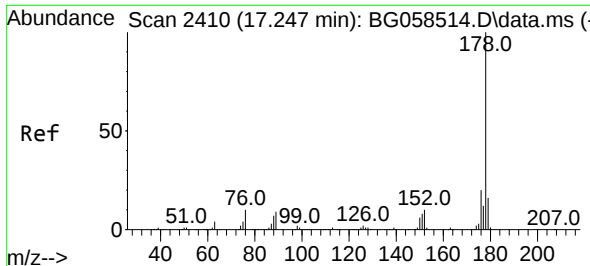
Tgt Ion:166 Resp: 138602
 Ion Ratio Lower Upper
 166 100
 165 100.2 80.0 120.0
 167 14.2 11.3 16.9



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.207 min Scan# 2403
 Delta R.T. 0.000 min
 Lab File: BG058673.D
 Acq: 10 Aug 2023 10:43

Tgt Ion:188 Resp: 349025
 Ion Ratio Lower Upper
 188 100
 94 8.2 7.0 10.6
 80 9.4 8.1 12.1

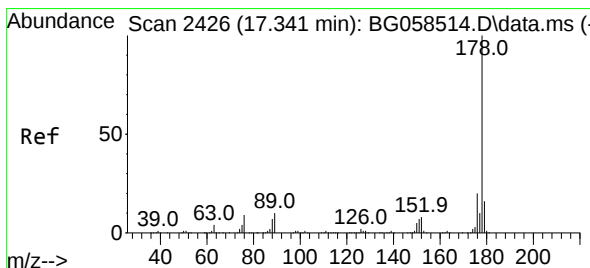
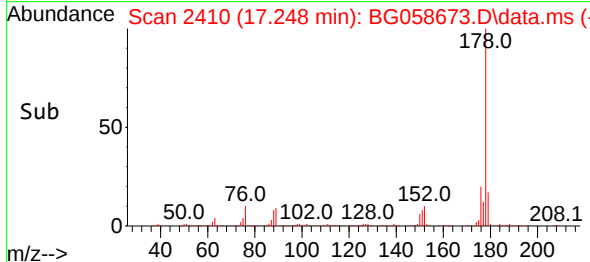
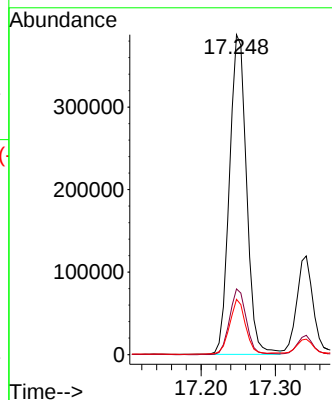
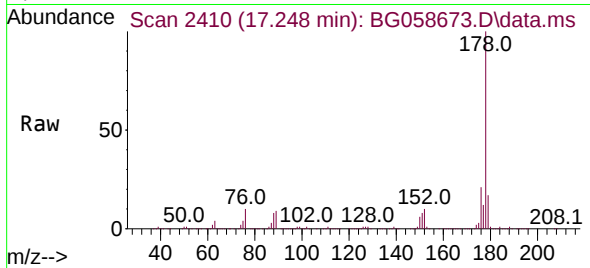




#71
Phenanthrene
Concen: 37.402 ng
RT: 17.248 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

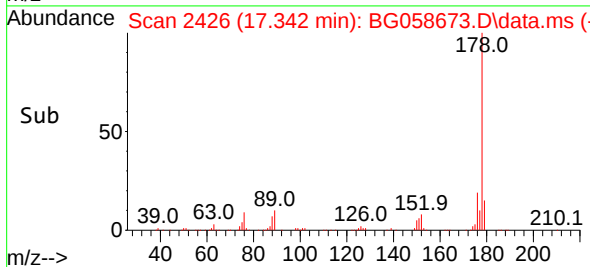
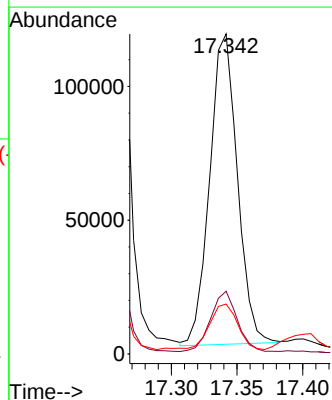
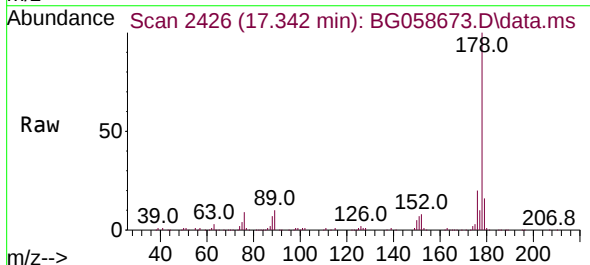
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z67-69

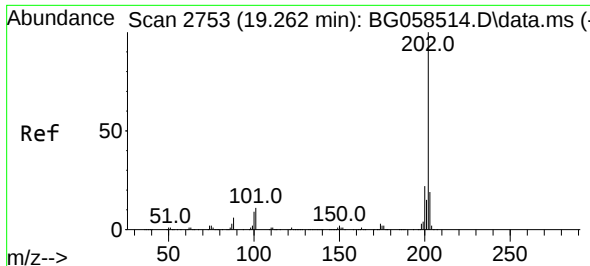
Tgt Ion:178 Resp: 619088
Ion Ratio Lower Upper
178 100
176 20.5 16.3 24.5
179 17.3 13.1 19.7



#72
Anthracene
Concen: 10.050 ng
RT: 17.342 min Scan# 2426
Delta R.T. 0.000 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

Tgt Ion:178 Resp: 170690
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.6 12.9 19.3

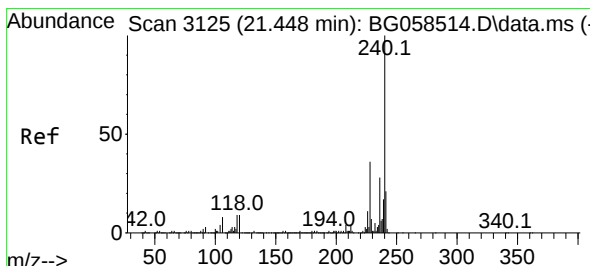
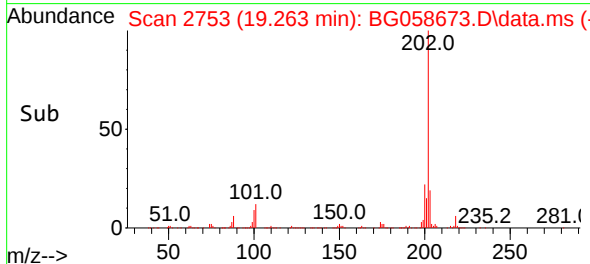
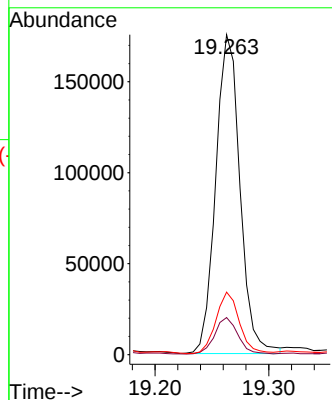
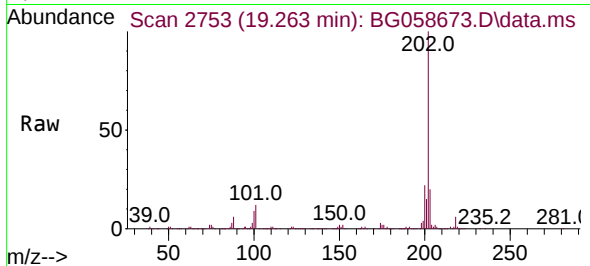




#75
Fluoranthene
Concen: 13.071 ng
RT: 19.263 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

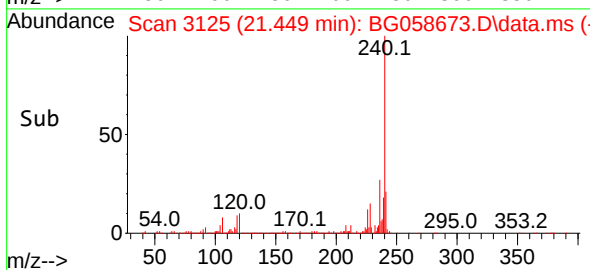
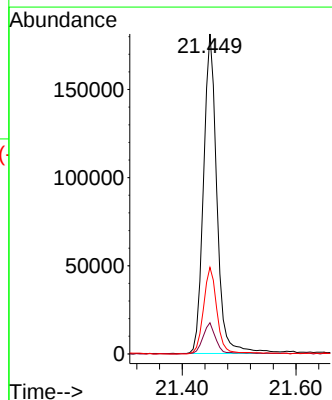
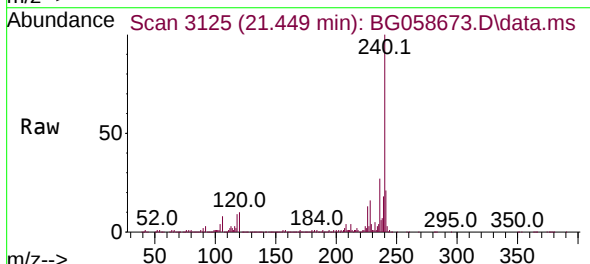
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z67-69

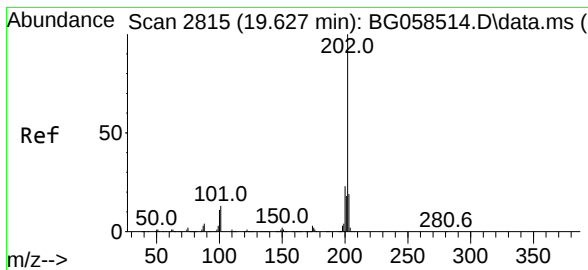
Tgt Ion:202 Resp: 259881
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.4
203 19.5 0.0 39.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.449 min Scan# 3125
Delta R.T. 0.000 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

Tgt Ion:240 Resp: 296451
Ion Ratio Lower Upper
240 100
120 9.7 7.4 11.0
236 27.0 22.2 33.4





#78

Pyrene

Concen: 18.727 ng

RT: 19.627 min Scan# 2815

Delta R.T. 0.000 min

Lab File: BG058673.D

Acq: 10 Aug 2023 10:43

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB-01-Z67-69

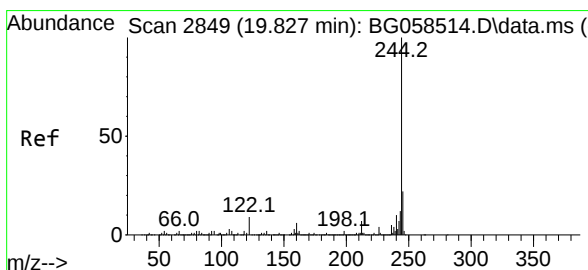
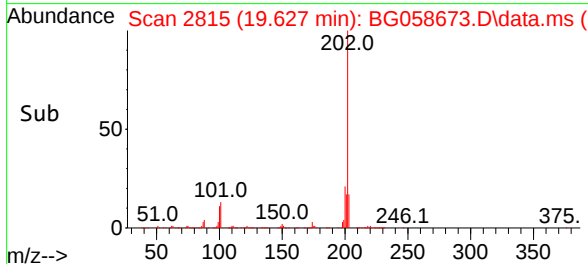
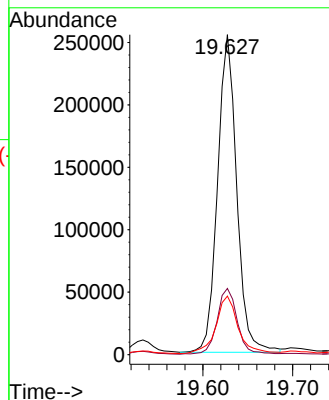
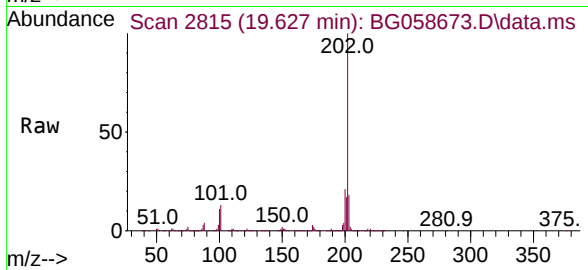
Tgt Ion:202 Resp: 377813

Ion Ratio Lower Upper

202 100

200 20.7 18.2 27.2

203 18.3 15.1 22.7



#79

Terphenyl-d14

Concen: 0.847 ng

RT: 19.821 min Scan# 2848

Delta R.T. -0.005 min

Lab File: BG058673.D

Acq: 10 Aug 2023 10:43

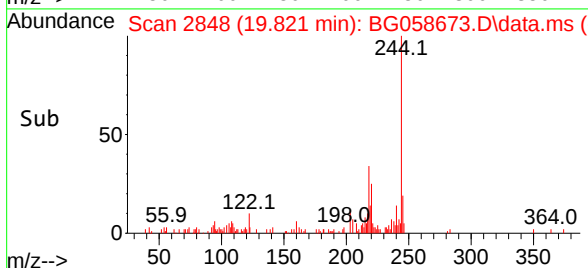
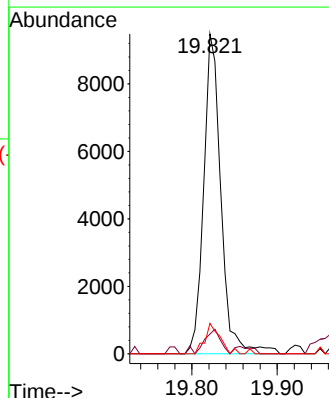
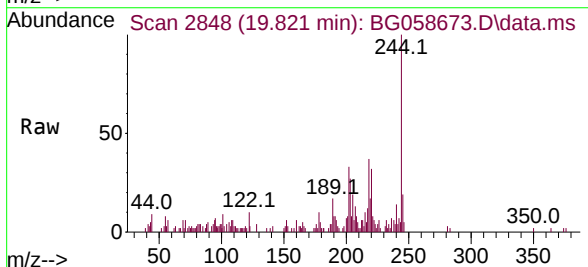
Tgt Ion:244 Resp: 13348

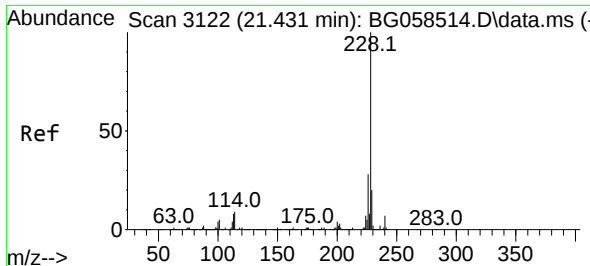
Ion Ratio Lower Upper

244 100

212 6.2 5.9 8.9

122 12.5 6.8 10.2#

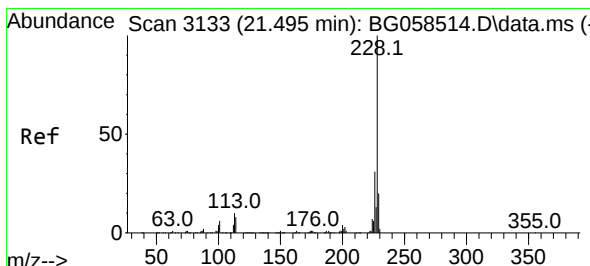
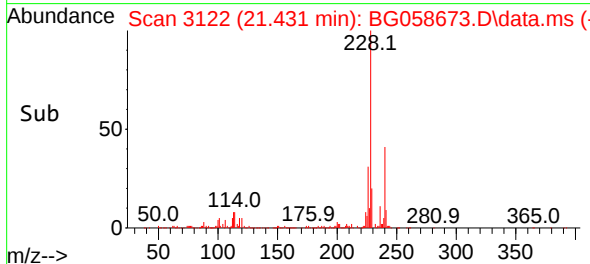
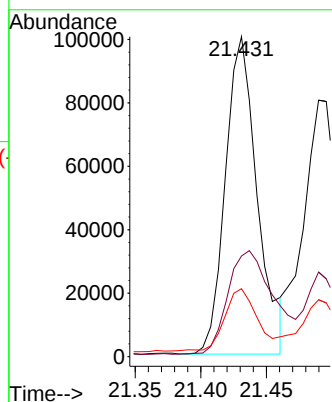
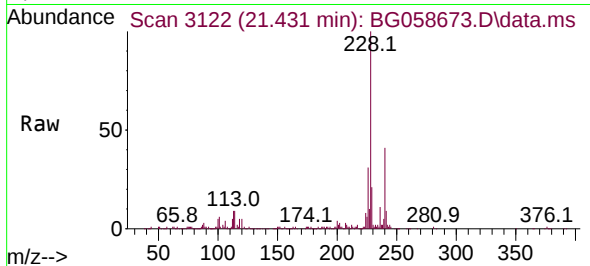




#81
Benzo(a)anthracene
Concen: 8.289 ng
RT: 21.431 min Scan# 3122
Delta R.T. 0.000 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

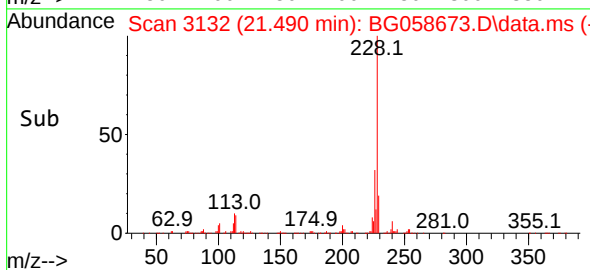
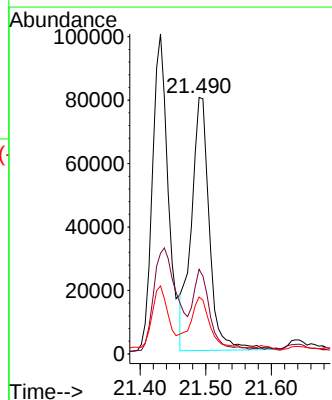
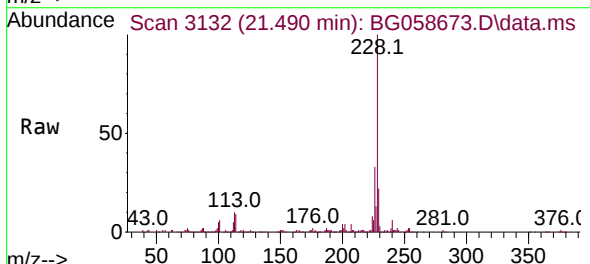
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z67-69

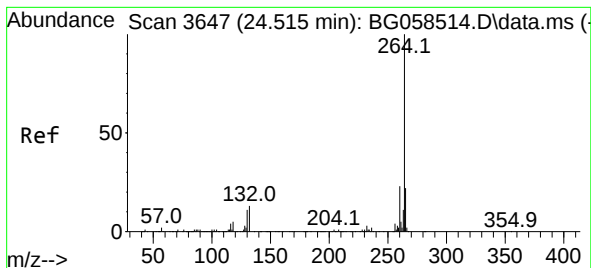
Tgt Ion:228 Resp: 169098
Ion Ratio Lower Upper
228 100
226 31.4 22.6 33.8
229 21.2 16.3 24.5



#83
Chrysene
Concen: 7.841 ng
RT: 21.490 min Scan# 3132
Delta R.T. -0.005 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

Tgt Ion:228 Resp: 153367
Ion Ratio Lower Upper
228 100
226 33.0 25.0 37.6
229 22.2 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.521 min Scan# 3648

Delta R.T. 0.006 min

Lab File: BG058673.D

Acq: 10 Aug 2023 10:43

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB-01-Z67-69

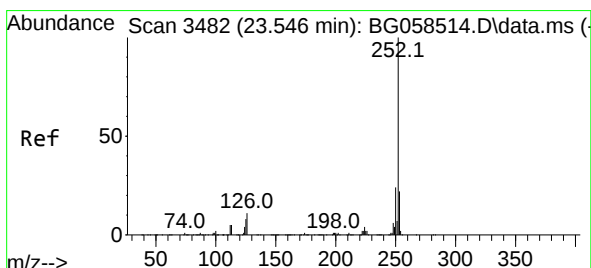
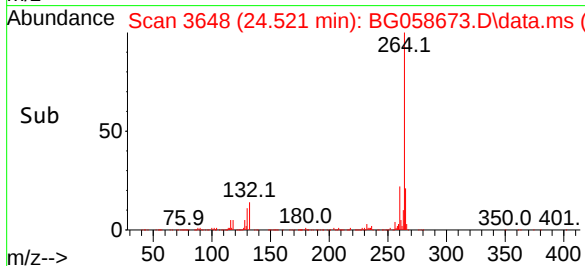
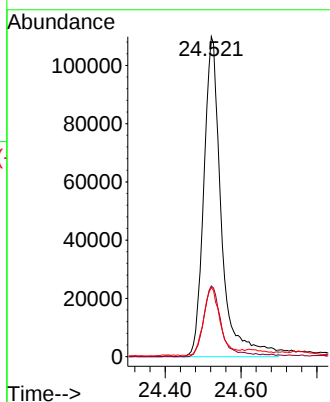
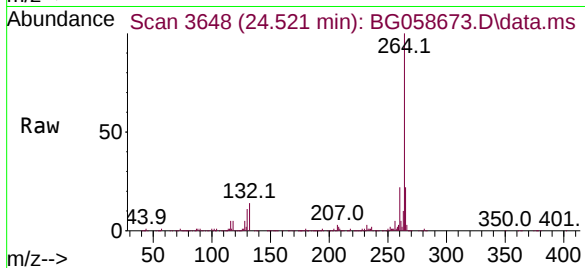
Tgt Ion:264 Resp: 353024

Ion Ratio Lower Upper

264 100

260 22.1 18.4 27.6

265 21.6 17.9 26.9



#88

Benzo(b)fluoranthene

Concen: 4.593 ng

RT: 23.552 min Scan# 3483

Delta R.T. 0.006 min

Lab File: BG058673.D

Acq: 10 Aug 2023 10:43

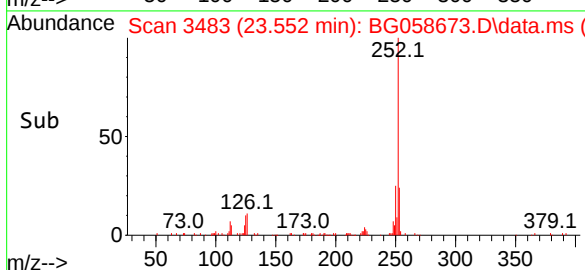
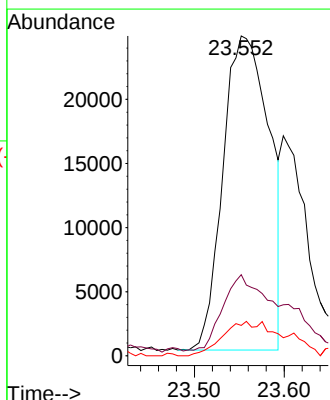
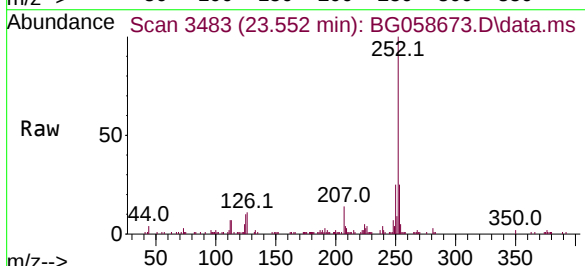
Tgt Ion:252 Resp: 87934

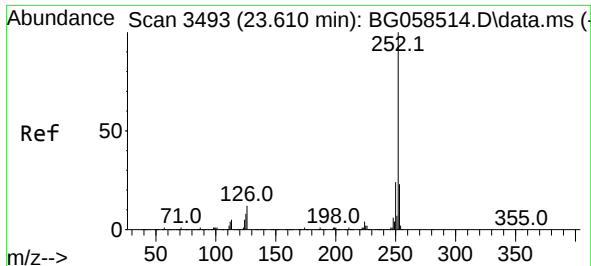
Ion Ratio Lower Upper

252 100

253 25.4 17.8 26.8

125 9.5 6.6 9.8

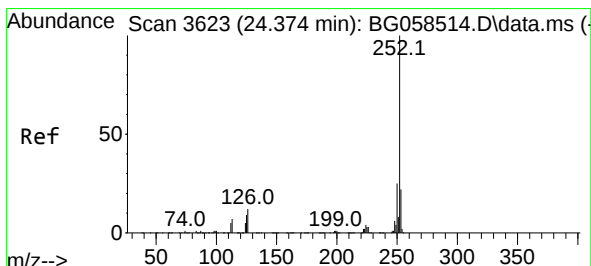
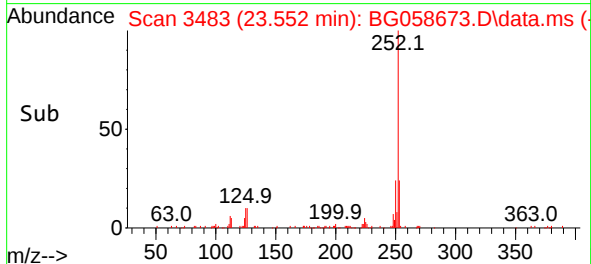
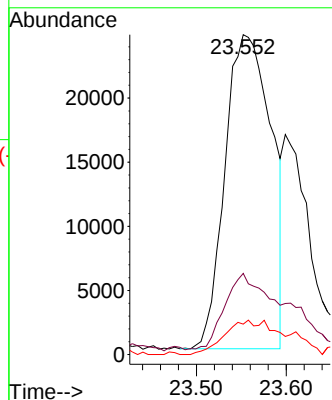
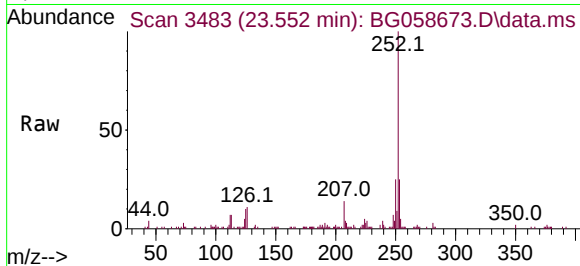




#89
Benzo(k)fluoranthene
Concen: 4.571 ng
RT: 23.552 min Scan# 3493
Delta R.T. -0.058 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

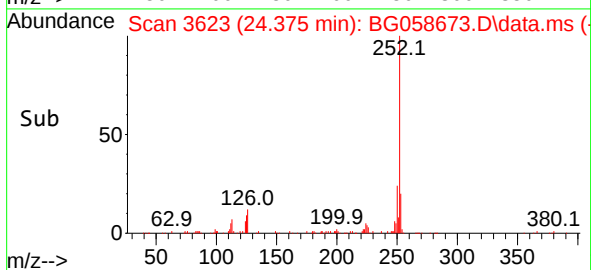
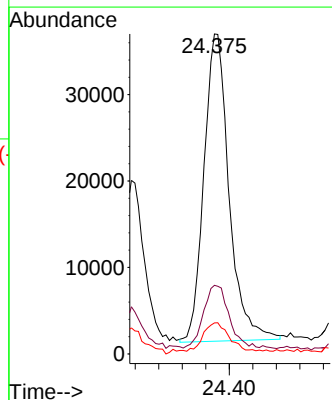
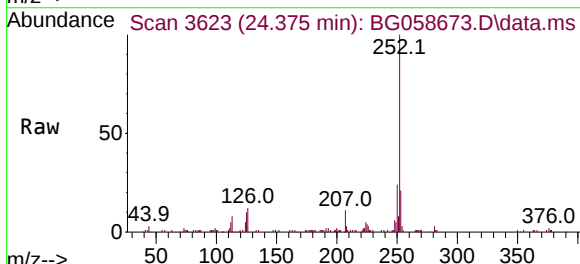
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z67-69

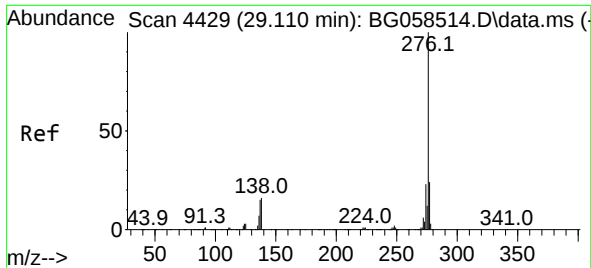
Tgt Ion:252 Resp: 87934
Ion Ratio Lower Upper
252 100
253 25.4 17.9 26.9
125 9.5 6.6 10.0



#90
Benzo(a)pyrene
Concen: 5.608 ng
RT: 24.375 min Scan# 3623
Delta R.T. 0.000 min
Lab File: BG058673.D
Acq: 10 Aug 2023 10:43

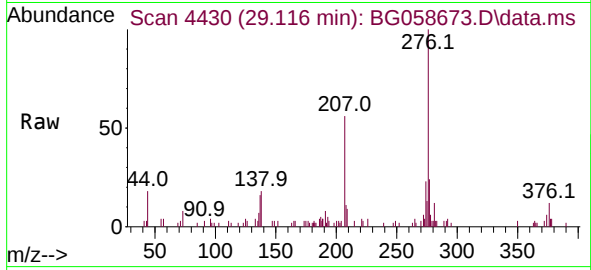
Tgt Ion:252 Resp: 105451
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 9.7 7.4 11.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.037 ng
 RT: 29.116 min Scan# 44
 Delta R.T. 0.006 min
 Lab File: BG058673.D
 Acq: 10 Aug 2023 10:43

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB-01-Z67-69



Tgt Ion:	276	Resp:	39663
Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.9	28.3
138	18.0	13.0	19.4

