

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081023\
 Data File : BG058674.D
 Acq On : 10 Aug 2023 11:24
 Operator : MA/JU
 Sample : 03932-03 50X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB-01-Z30-32

Quant Time: Aug 11 01:53:07 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)

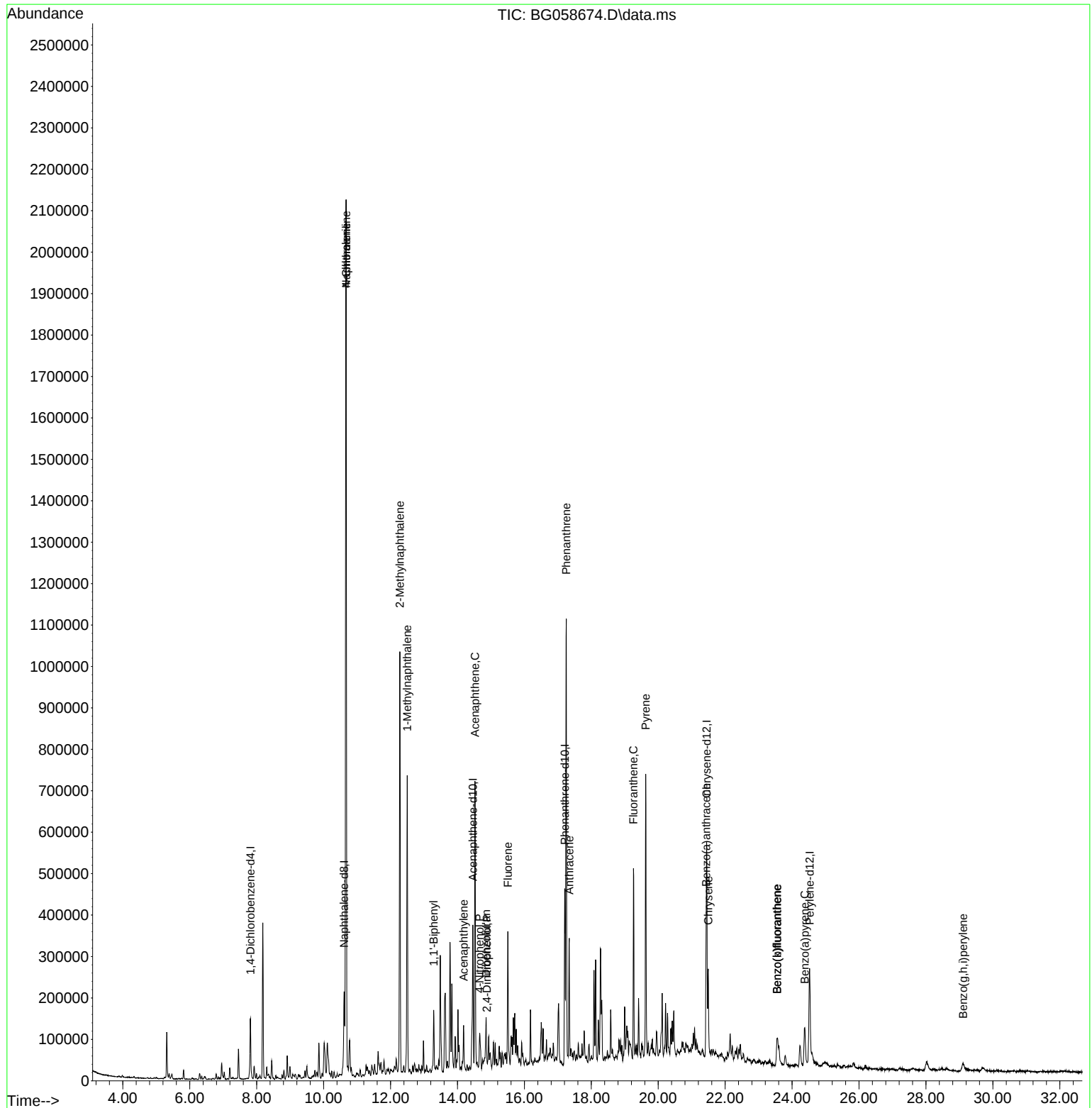
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.815	152	42509	20.000	ng	0.00
21) Naphthalene-d8	10.612	136	181207	20.000	ng	0.00
39) Acenaphthene-d10	14.460	164	118654	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	277659	20.000	ng	0.00
76) Chrysene-d12	21.446	240	252367	20.000	ng	0.00
86) Perylene-d12	24.525	264	295023	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.388	112	4216	1.516	ng	0.00
7) Phenol-d6	6.992	99	5407	1.397	ng	0.00
23) Nitrobenzene-d5	8.990	82	3697	1.002	ng	0.00
42) 2,4,6-Tribromophenol	15.970	330	1596	0.821	ng	0.02
45) 2-Fluorobiphenyl	13.079	172	8893	1.123	ng	0.00
79) Terphenyl-d14	19.824	244	16151	1.204	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.670	128	1795301	187.977	ng	97
33) 4-Chloroaniline	10.670	127	250683	62.124	ng	# 31
37) 2-Methylnaphthalene	12.280	142	508160	74.382	ng	98
38) 1-Methylnaphthalene	12.498	142	337307	51.940	ng	99
46) 1,1'-Biphenyl	13.291	154	70486	8.650	ng	99
49) Acenaphthylene	14.184	152	31140	2.927	ng	# 83
52) Acenaphthene	14.525	154	246600	40.121	ng	97
54) 2,4-Dinitrophenol	14.877	184	57	7.531	ng	# 1
55) Dibenzofuran	14.860	168	22018	2.085	ng	# 73
56) 4-Nitrophenol	14.660	139	4492	6.295	ng	# 35
58) Fluorene	15.506	166	146134	17.417	ng	98
71) Phenanthrene	17.251	178	679015	51.566	ng	99
72) Anthracene	17.339	178	187870	13.905	ng	98
75) Fluoranthene	19.260	202	282090	17.834	ng	99
78) Pyrene	19.625	202	437132	25.452	ng	99
81) Benzo(a)anthracene	21.428	228	159321	9.173	ng	96
83) Chrysene	21.493	228	139789	8.395	ng	96
88) Benzo(b)fluoranthene	23.549	252	136795	8.549	ng	98
89) Benzo(k)fluoranthene	23.549	252	137089	8.528	ng	98
90) Benzo(a)pyrene	24.378	252	121189	7.712	ng	97
92) Benzo(g,h,i)perylene	29.108	276	43981	2.703	ng	# 93

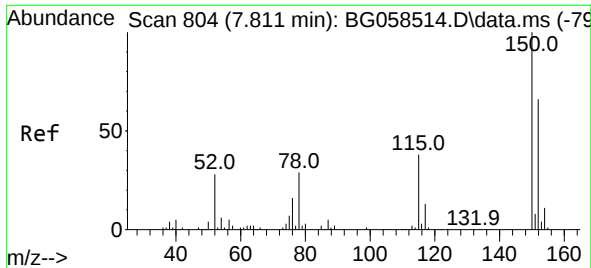
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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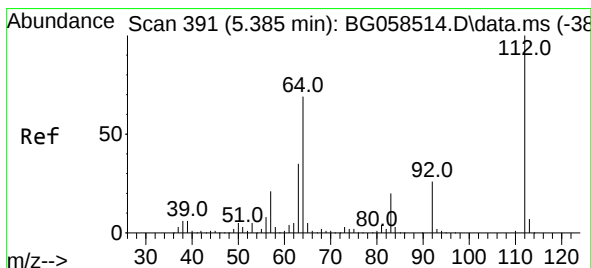
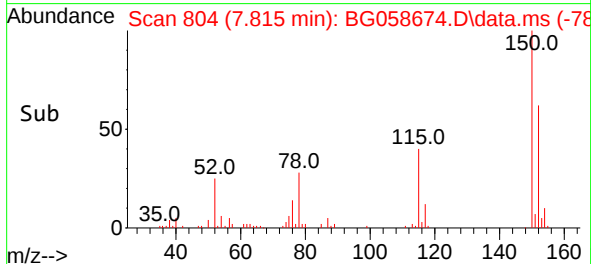
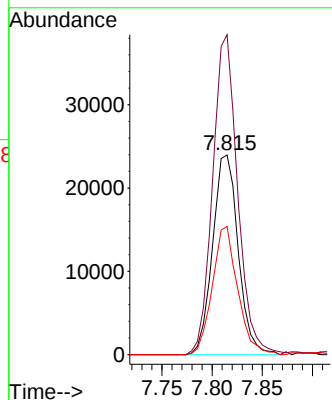
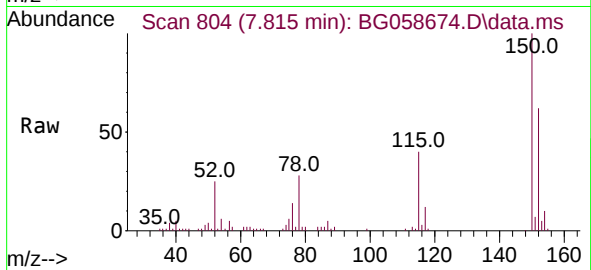




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.815 min Scan# 804
Delta R.T. 0.004 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

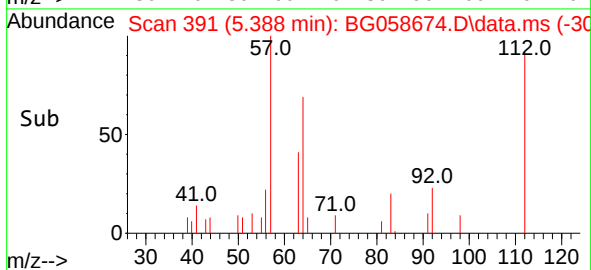
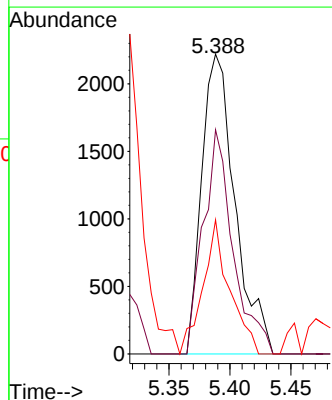
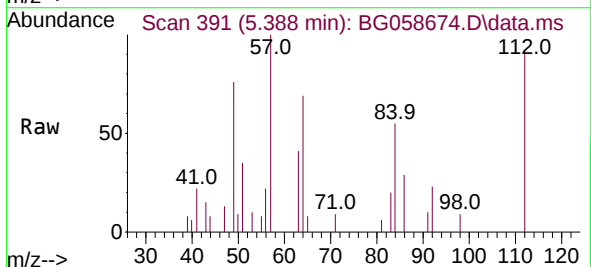
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z30-32

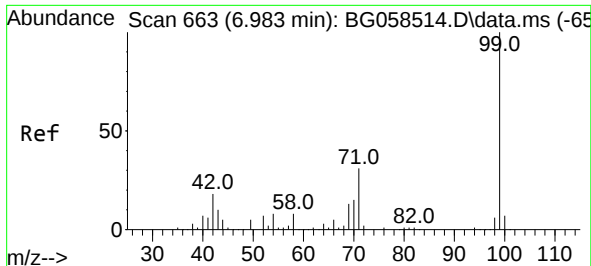
Tgt Ion:152 Resp: 42509
Ion Ratio Lower Upper
152 100
150 160.3 120.5 180.7
115 64.2 45.9 68.9



#5
2-Fluorophenol
Concen: 1.516 ng
RT: 5.388 min Scan# 391
Delta R.T. 0.004 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Tgt Ion:112 Resp: 4216
Ion Ratio Lower Upper
112 100
64 74.8 55.3 82.9
63 44.7 28.3 42.5#

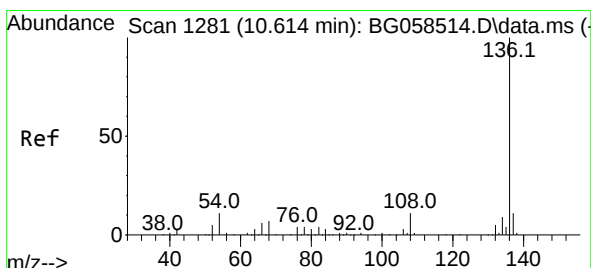
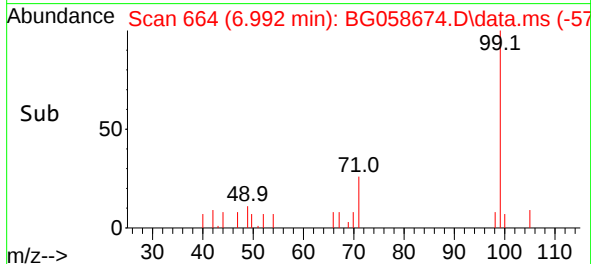
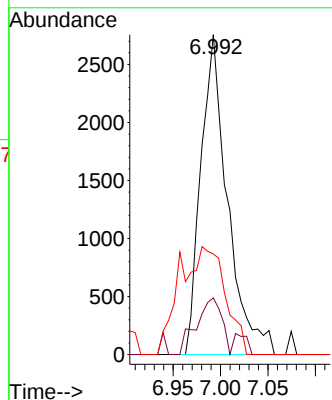
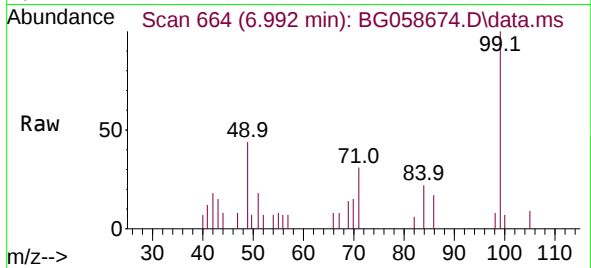




#7
Phenol-d6
Concen: 1.397 ng
RT: 6.992 min Scan# 60
Delta R.T. 0.009 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

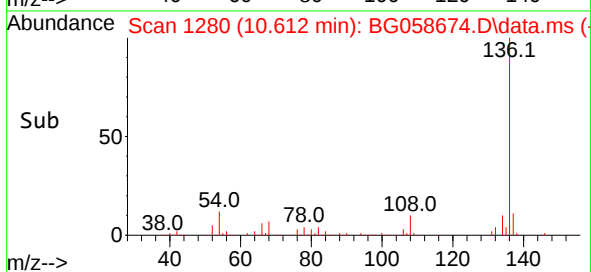
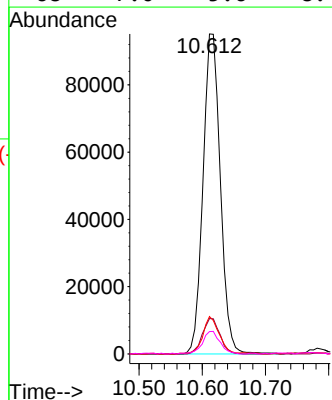
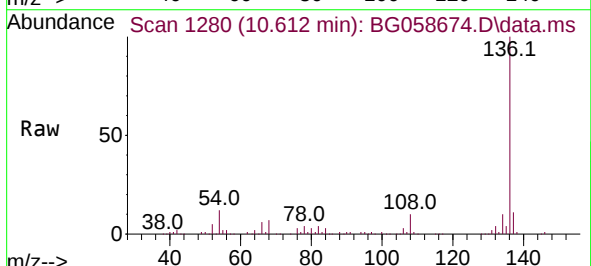
Instrument :
BNA_G
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NEVINS-SB-01-Z30-32

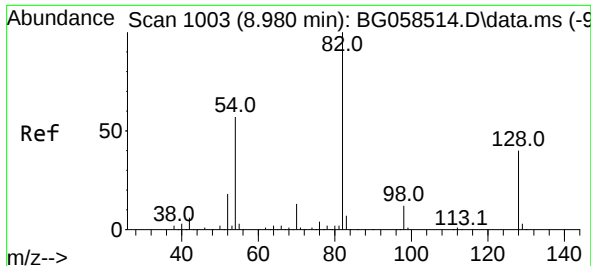
Tgt Ion: 99 Resp: 5407
Ion Ratio Lower Upper
99 100
42 17.7 14.6 21.8
71 31.4 25.0 37.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.612 min Scan# 1280
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Tgt Ion: 136 Resp: 181207
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 11.7 8.9 13.3
68 7.0 5.6 8.4

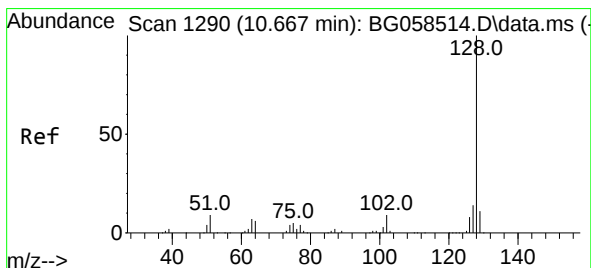
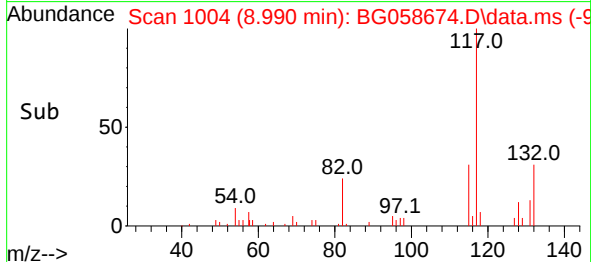
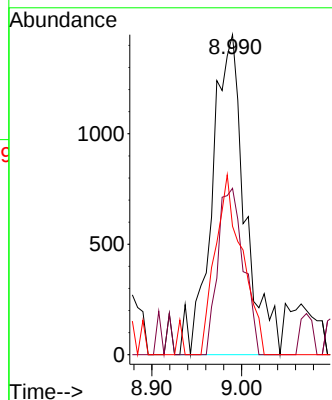
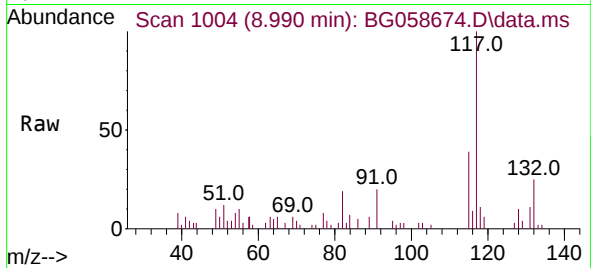




#23
Nitrobenzene-d5
Concen: 1.002 ng
RT: 8.990 min Scan# 1004
Delta R.T. 0.009 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

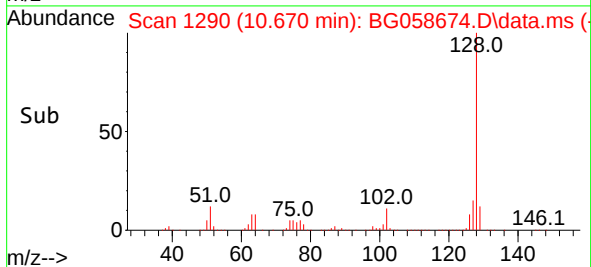
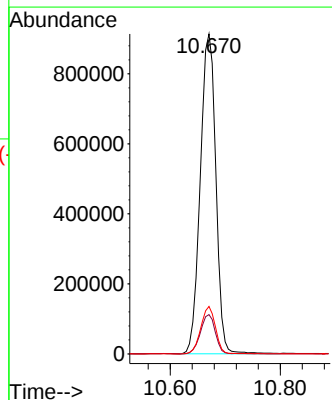
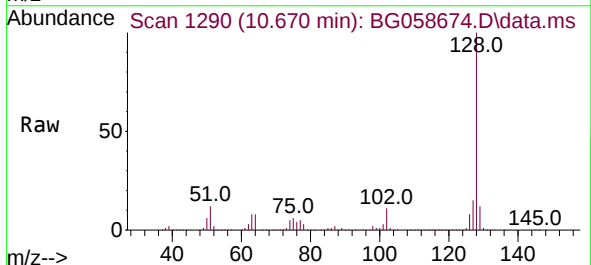
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z30-32

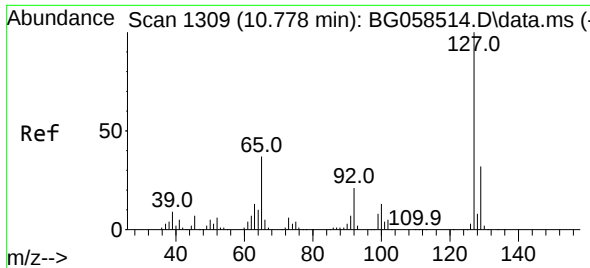
Tgt Ion: 82 Resp: 3697
Ion Ratio Lower Upper
82 100
128 52.0 32.2 48.2#
54 40.2 46.0 69.0#



#31
Naphthalene
Concen: 187.977 ng
RT: 10.670 min Scan# 1290
Delta R.T. 0.004 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Tgt Ion: 128 Resp: 1795301
Ion Ratio Lower Upper
128 100
129 12.3 8.8 13.2
127 14.8 10.9 16.3

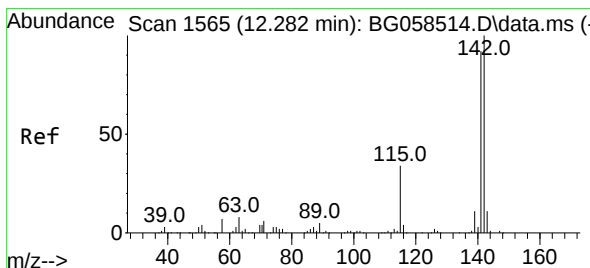
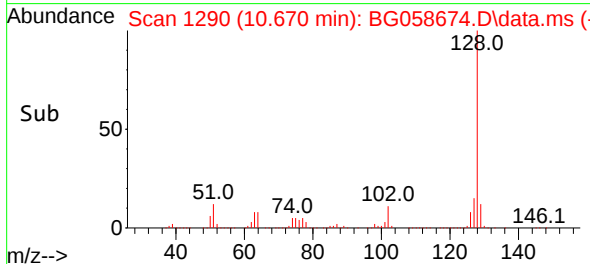
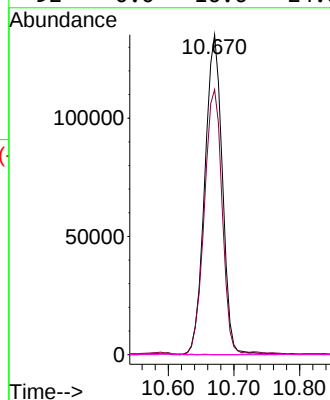
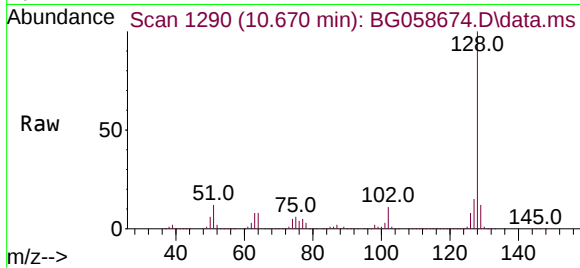




#33
4-Chloroaniline
Concen: 62.124 ng
RT: 10.670 min Scan# 11
Delta R.T. -0.108 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

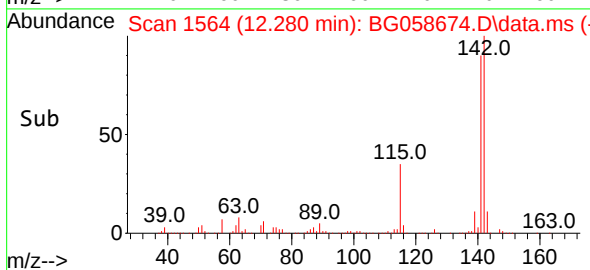
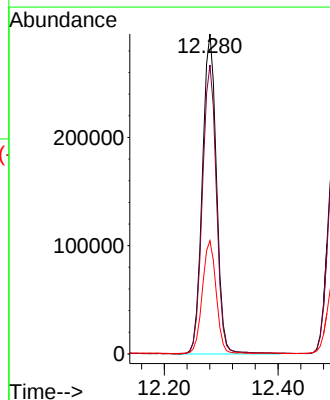
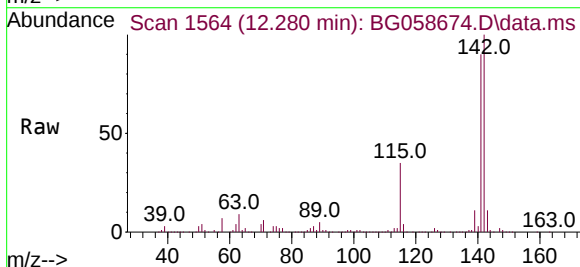
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z30-32

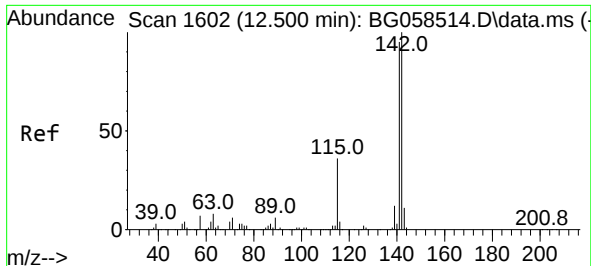
Tgt Ion:	127	Resp:	250683
Ion	Ratio	Lower	Upper
127	100		
129	82.8	25.4	38.2#
65	0.0	29.5	44.3#
92	0.0	16.6	24.8#



#37
2-Methylnaphthalene
Concen: 74.382 ng
RT: 12.280 min Scan# 1564
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Tgt Ion:	142	Resp:	508160
Ion	Ratio	Lower	Upper
142	100		
141	90.3	73.5	110.3
115	35.4	27.4	41.0

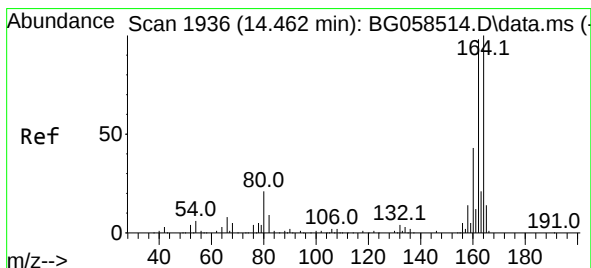
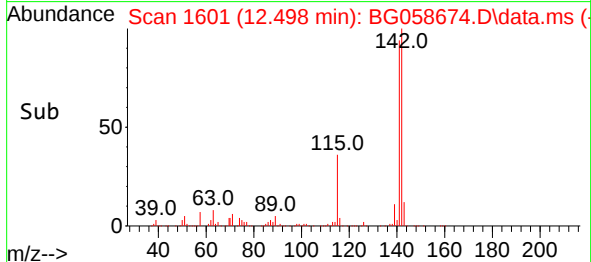
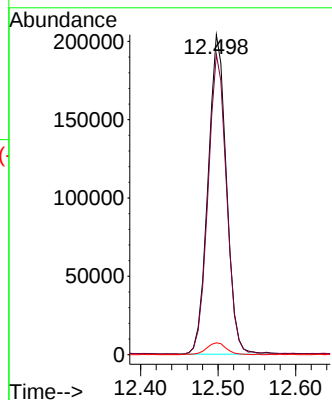
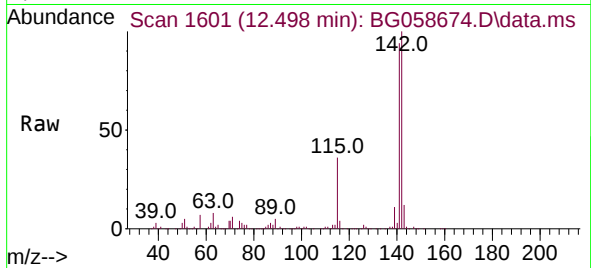




#38
1-Methylnaphthalene
Concen: 51.940 ng
RT: 12.498 min Scan# 1601
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

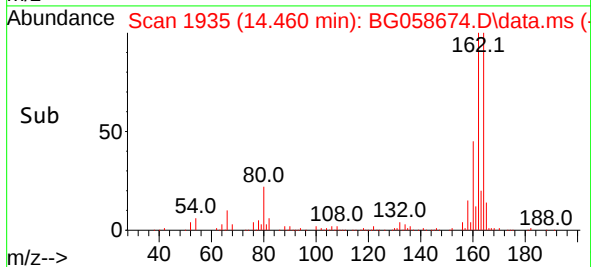
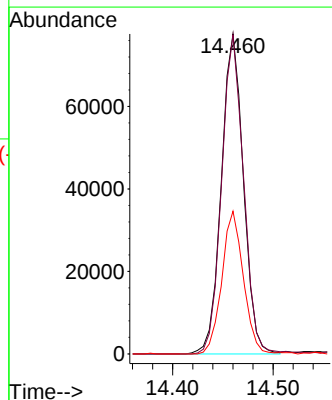
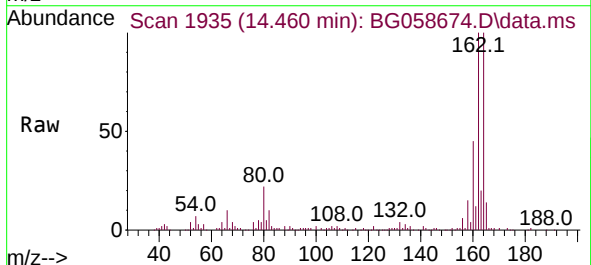
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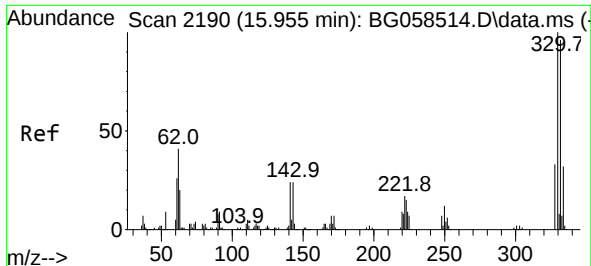
Tgt Ion:142 Resp: 337307
Ion Ratio Lower Upper
142 100
141 93.8 75.7 113.5
116 3.7 3.2 4.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.460 min Scan# 1935
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Tgt Ion:164 Resp: 118654
Ion Ratio Lower Upper
164 100
162 99.6 78.3 117.5
160 44.6 34.1 51.1

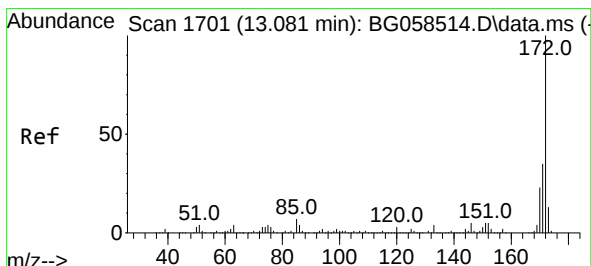
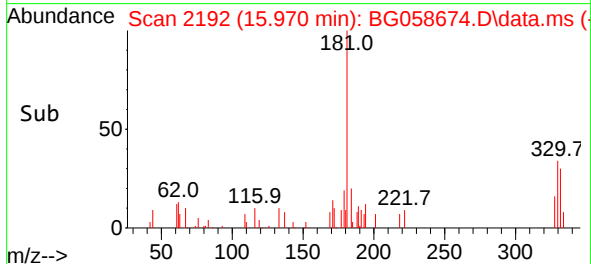
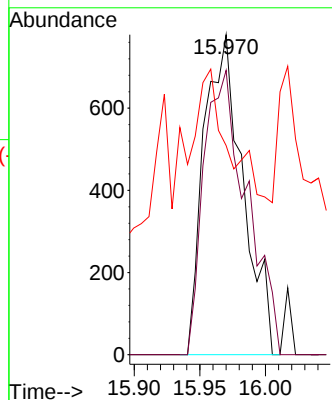
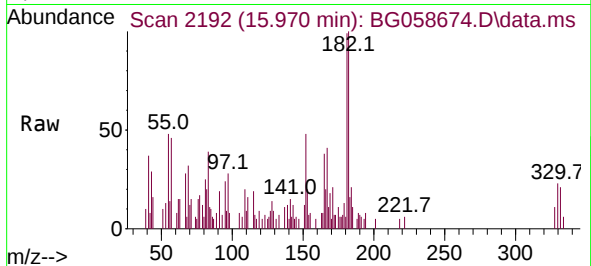




#42
2,4,6-Tribromophenol
Concen: 0.821 ng
RT: 15.970 min Scan# 2190
Delta R.T. 0.015 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

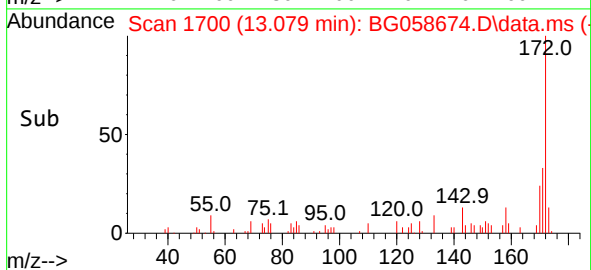
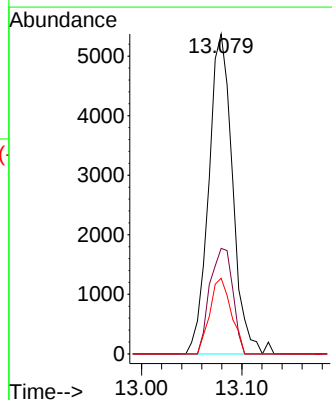
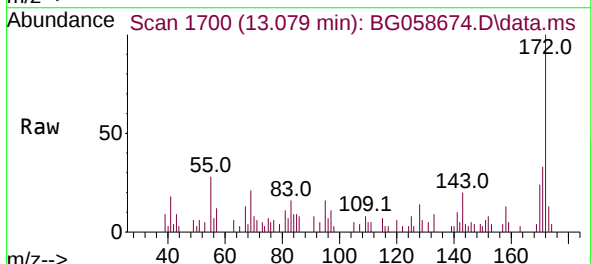
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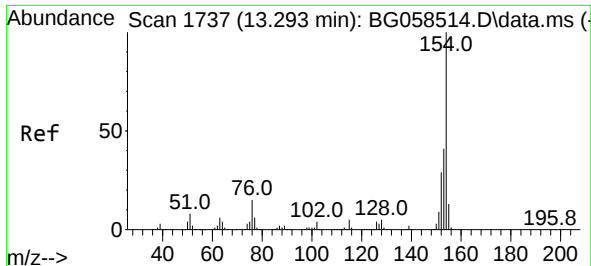
Tgt Ion:330 Resp: 1596
Ion Ratio Lower Upper
330 100
332 98.3 77.5 116.3
141 30.5 20.7 31.1



#45
2-Fluorobiphenyl
Concen: 1.123 ng
RT: 13.079 min Scan# 1700
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Tgt Ion:172 Resp: 8893
Ion Ratio Lower Upper
172 100
171 33.0 28.0 42.0
170 23.7 18.4 27.6

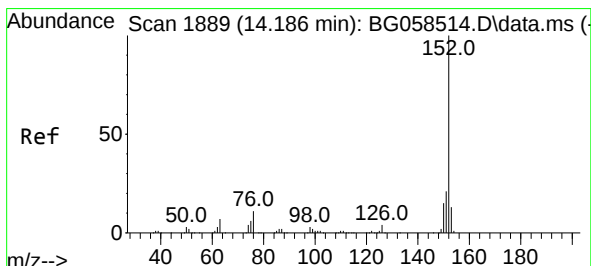
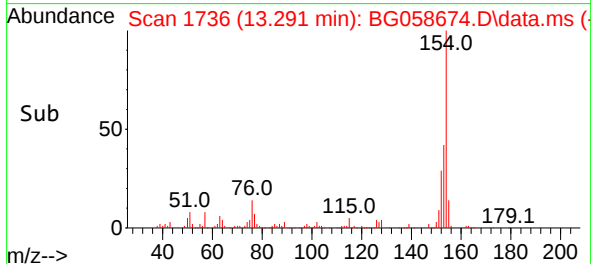
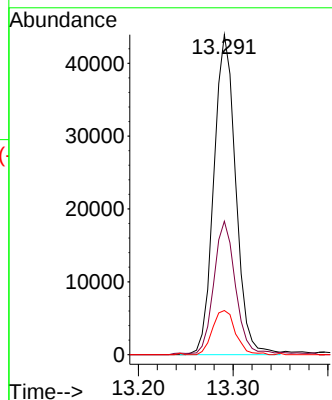
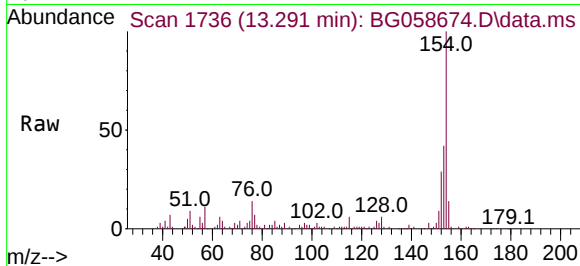




#46
1,1'-Biphenyl
Concen: 8.650 ng
RT: 13.291 min Scan# 1736
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

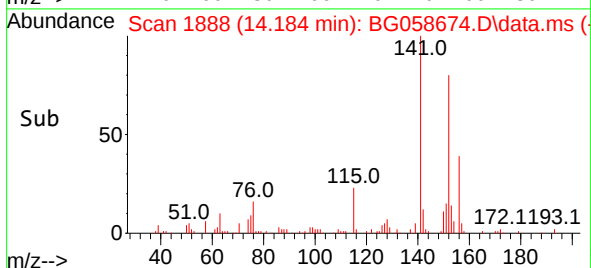
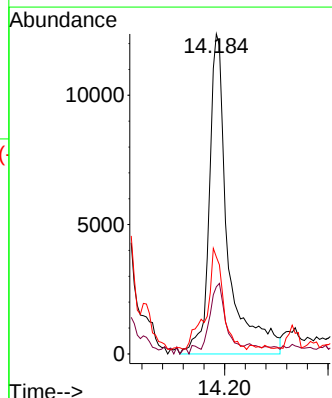
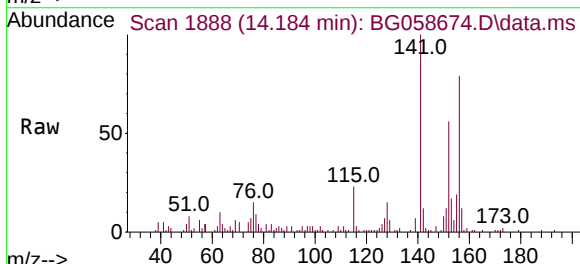
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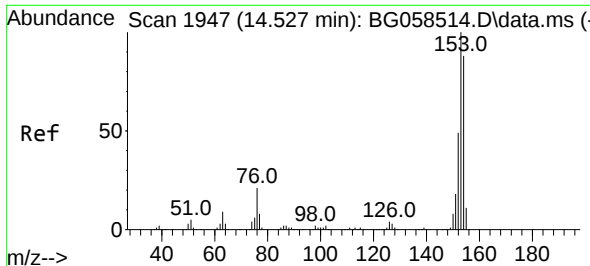
Tgt Ion:154 Resp: 70486
Ion Ratio Lower Upper
154 100
153 41.7 21.2 61.2
76 13.8 0.0 34.7



#49
Acenaphthylene
Concen: 2.927 ng
RT: 14.184 min Scan# 1888
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Tgt Ion:152 Resp: 31140
Ion Ratio Lower Upper
152 100
151 21.0 16.5 24.7
153 30.3 10.7 16.1#

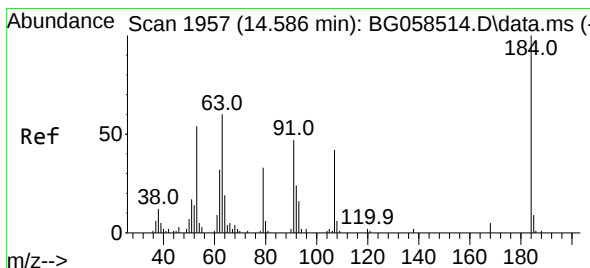
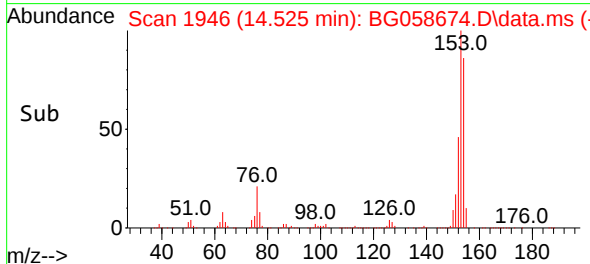
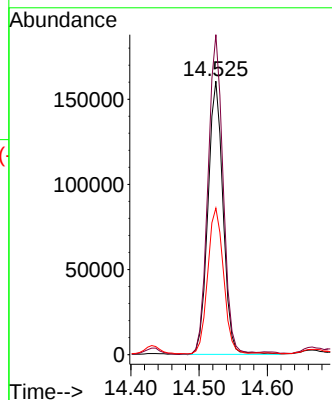
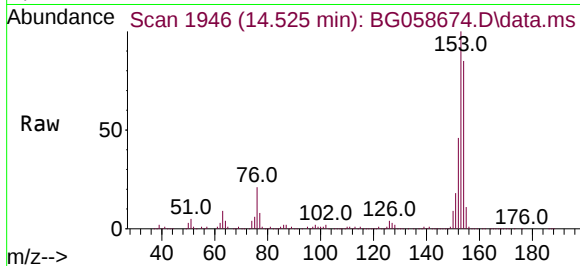




#52
Acenaphthene
Concen: 40.121 ng
RT: 14.525 min Scan# 1947
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

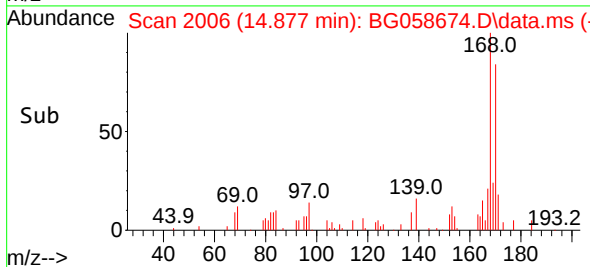
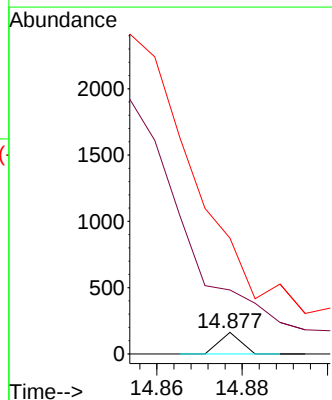
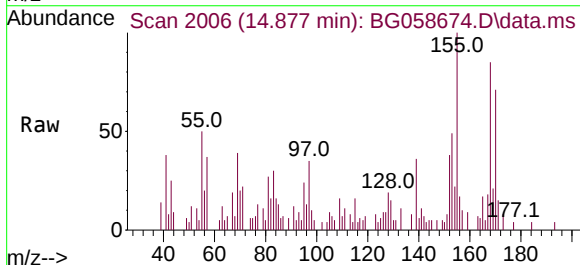
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z30-32

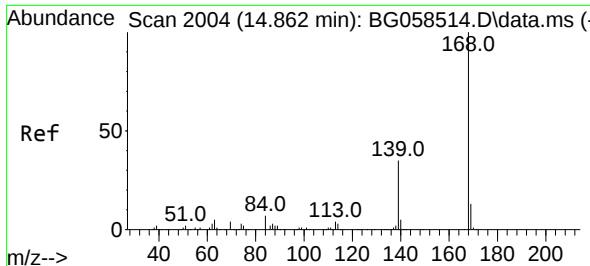
Tgt Ion:154 Resp: 246600
Ion Ratio Lower Upper
154 100
153 117.1 91.1 136.7
152 53.6 44.6 66.8



#54
2,4-Dinitrophenol
Concen: 7.531 ng
RT: 14.877 min Scan# 2006
Delta R.T. 0.291 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Tgt Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 296.3 56.7 85.1#
154 536.2 46.1 69.1#

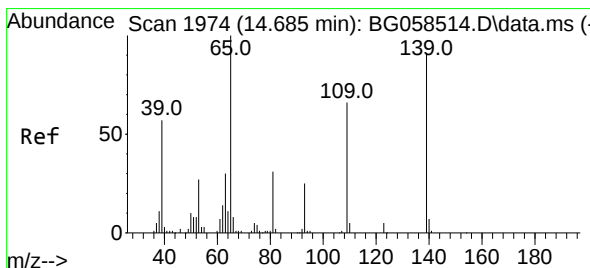
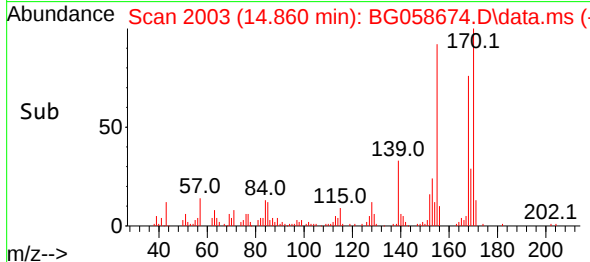
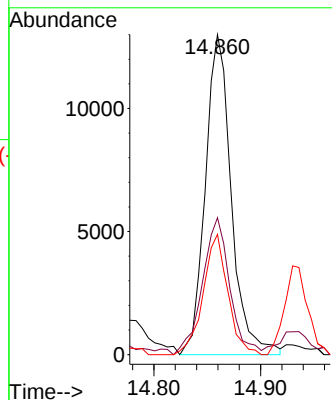
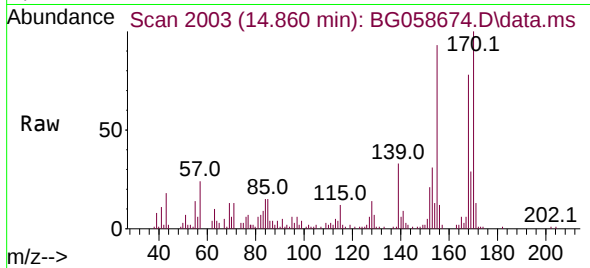




#55
Dibenzofuran
Concen: 2.085 ng
RT: 14.860 min Scan# 2004
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

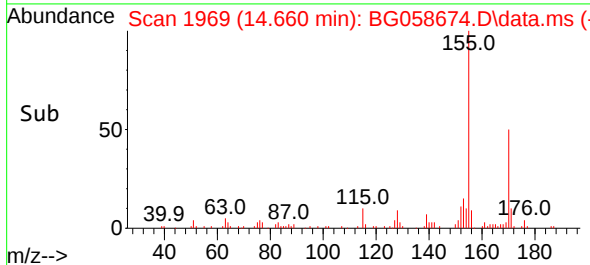
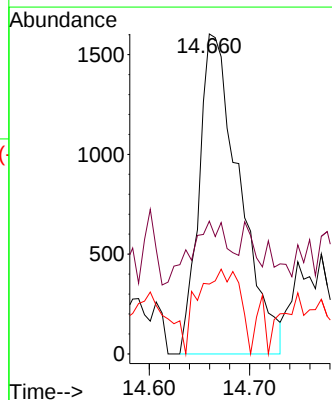
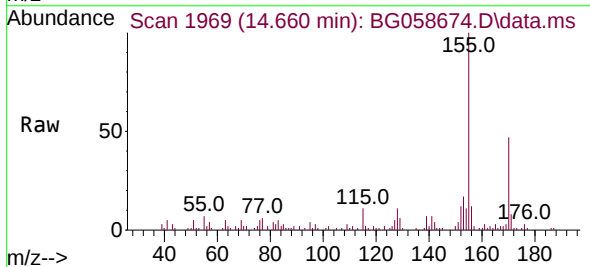
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z30-32

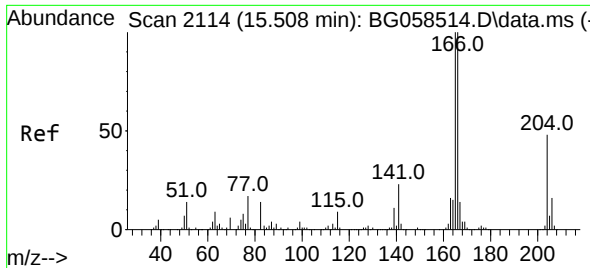
Tgt Ion:168 Resp: 22018
Ion Ratio Lower Upper
168 100
139 42.8 27.8 41.8#
169 37.6 10.6 16.0#



#56
4-Nitrophenol
Concen: 6.295 ng
RT: 14.660 min Scan# 1969
Delta R.T. -0.025 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Tgt Ion:139 Resp: 4492
Ion Ratio Lower Upper
139 100
109 41.5 52.5 92.5#
65 21.8 90.5 130.5#

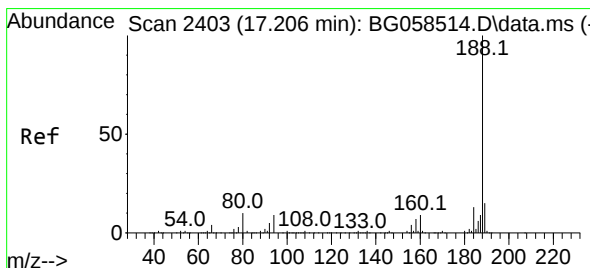
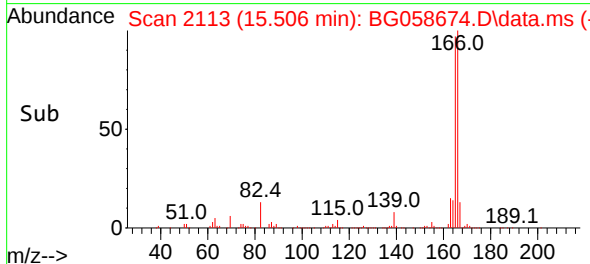
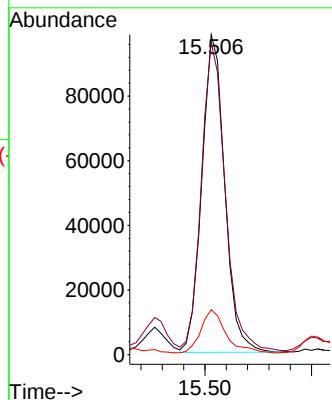
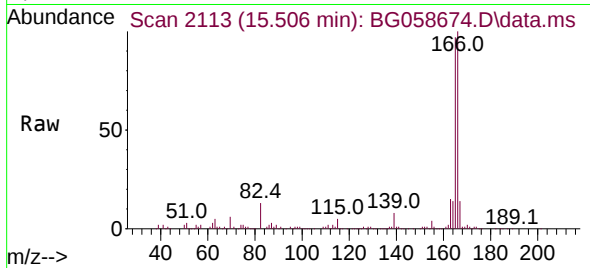




#58
Fluorene
Concen: 17.417 ng
RT: 15.506 min Scan# 2114
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

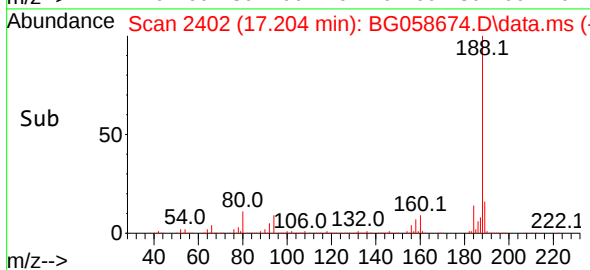
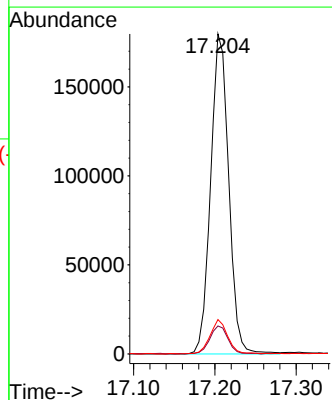
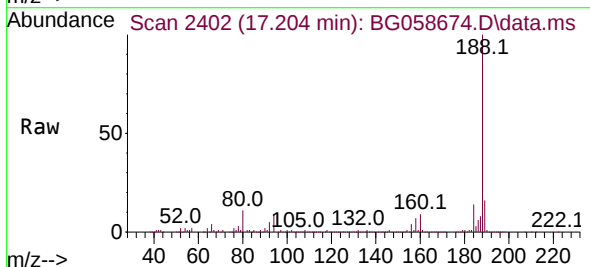
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z30-32

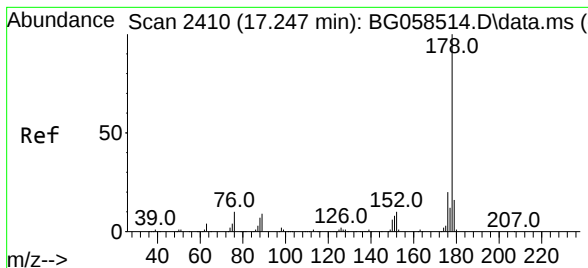
Tgt Ion:166 Resp: 146134
Ion Ratio Lower Upper
166 100
165 97.5 80.0 120.0
167 14.1 11.3 16.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2402
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Tgt Ion:188 Resp: 277659
Ion Ratio Lower Upper
188 100
94 8.7 7.0 10.6
80 10.7 8.1 12.1





#71

Phenanthrene

Concen: 51.566 ng

RT: 17.251 min Scan# 2410

Delta R.T. 0.004 min

Lab File: BG058674.D

Acq: 10 Aug 2023 11:24

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB-01-Z30-32

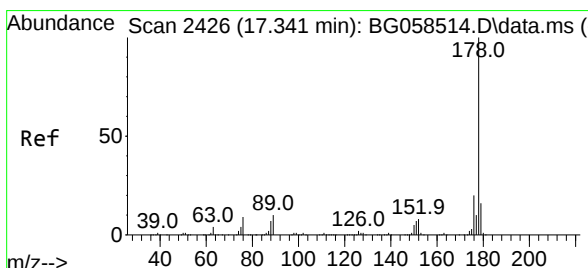
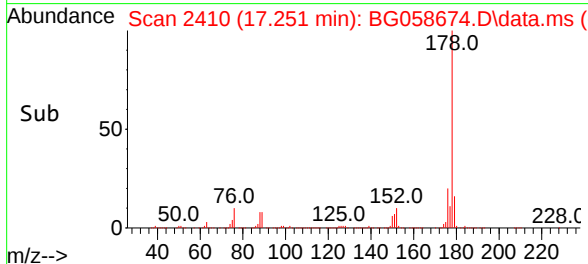
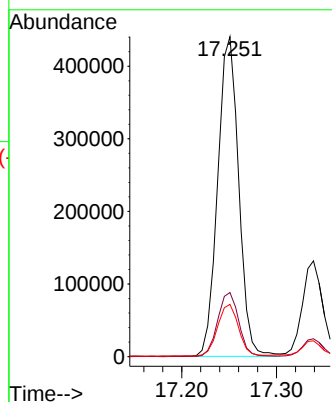
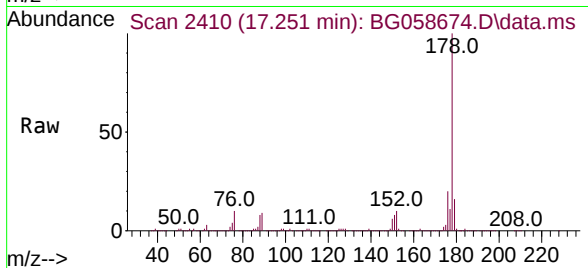
Tgt Ion:178 Resp: 679015

Ion Ratio Lower Upper

178 100

176 20.0 16.3 24.5

179 16.3 13.1 19.7



#72

Anthracene

Concen: 13.905 ng

RT: 17.339 min Scan# 2425

Delta R.T. -0.002 min

Lab File: BG058674.D

Acq: 10 Aug 2023 11:24

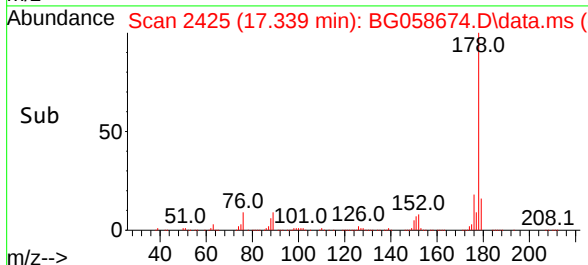
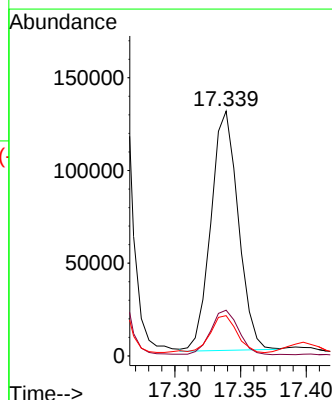
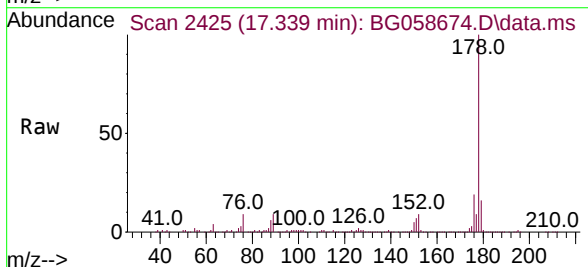
Tgt Ion:178 Resp: 187870

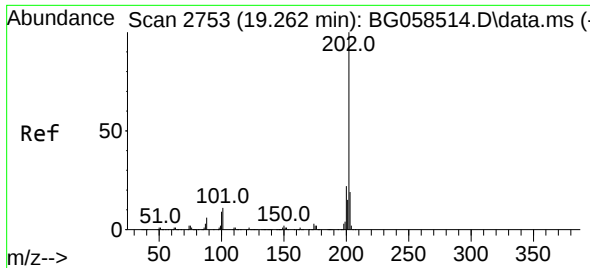
Ion Ratio Lower Upper

178 100

176 18.7 16.0 24.0

179 16.4 12.9 19.3

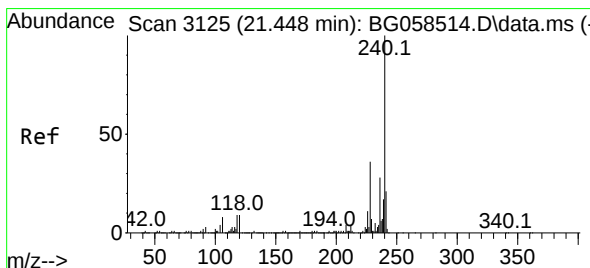
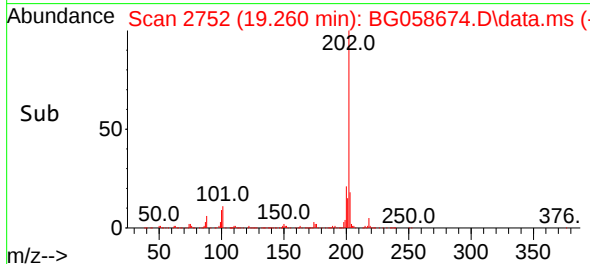
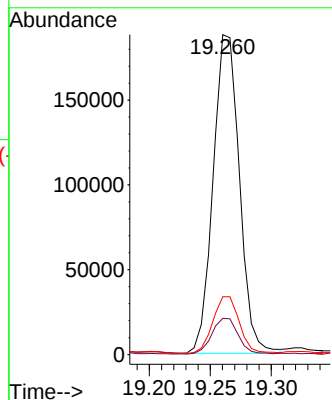
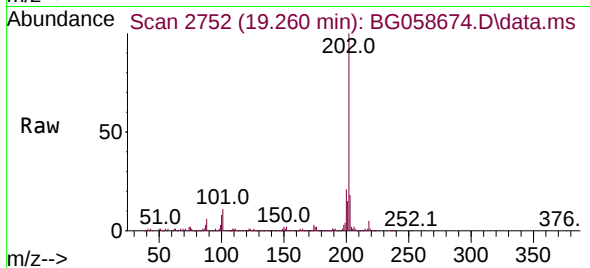




#75
Fluoranthene
Concen: 17.834 ng
RT: 19.260 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

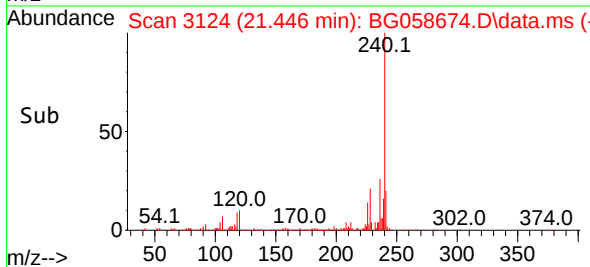
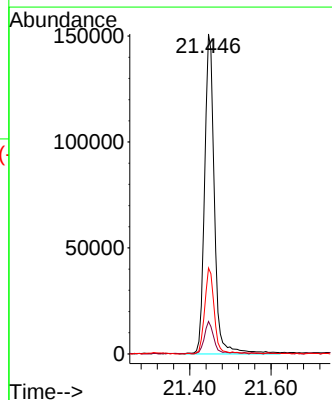
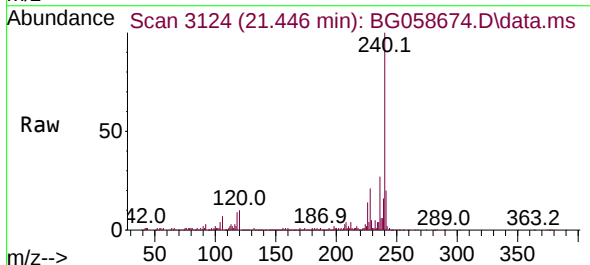
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z30-32

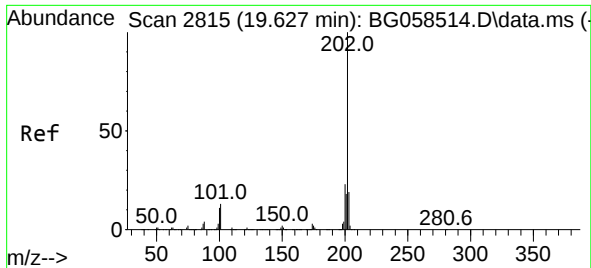
Tgt Ion:	202	Resp:	282090
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	31.4
203	18.1	0.0	39.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.446 min Scan# 3124
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Tgt Ion:	240	Resp:	252367
Ion Ratio	Lower	Upper	
240	100		
120	10.1	7.4	11.0
236	26.8	22.2	33.4

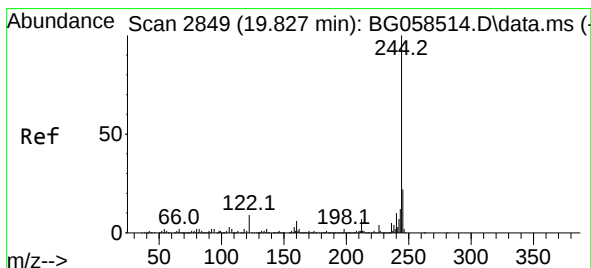
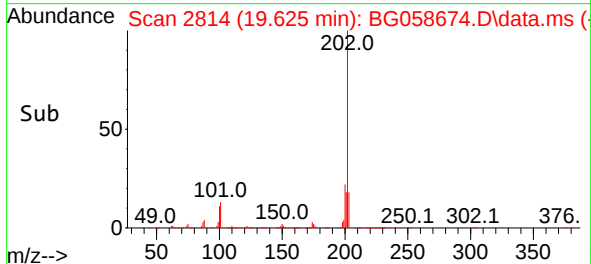
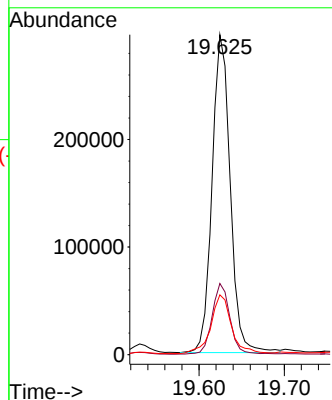
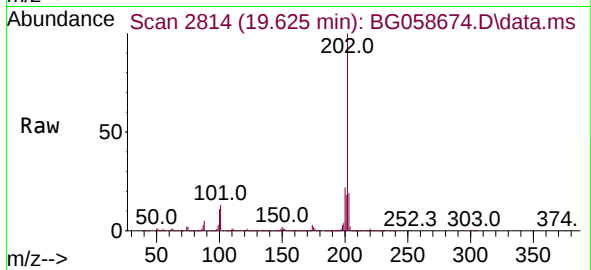




#78
 Pyrene
 Concen: 25.452 ng
 RT: 19.625 min Scan# 2815
 Delta R.T. -0.002 min
 Lab File: BG058674.D
 Acq: 10 Aug 2023 11:24

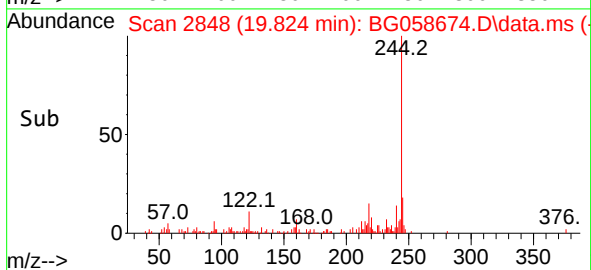
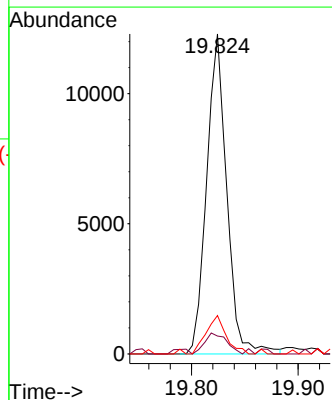
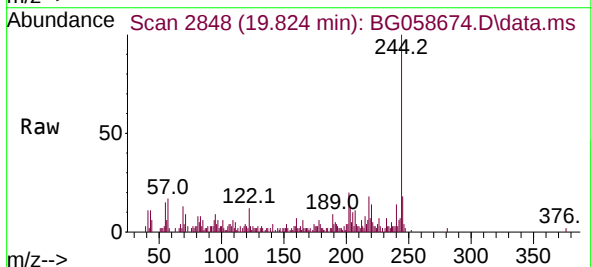
Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB-01-Z30-32

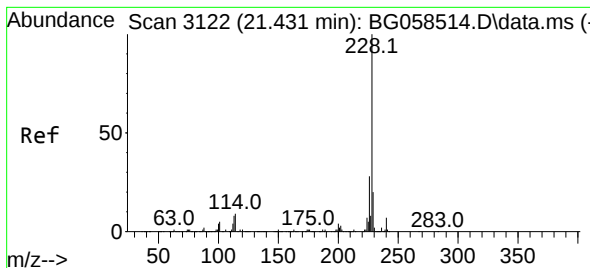
Tgt Ion:202 Resp: 437132
 Ion Ratio Lower Upper
 202 100
 200 22.3 18.2 27.2
 203 18.7 15.1 22.7



#79
 Terphenyl-d14
 Concen: 1.204 ng
 RT: 19.824 min Scan# 2848
 Delta R.T. -0.002 min
 Lab File: BG058674.D
 Acq: 10 Aug 2023 11:24

Tgt Ion:244 Resp: 16151
 Ion Ratio Lower Upper
 244 100
 212 5.6 5.9 8.9#
 122 12.0 6.8 10.2#





#81

Benzo(a)anthracene

Concen: 9.173 ng

RT: 21.428 min Scan# 3121

Delta R.T. -0.002 min

Lab File: BG058674.D

Acq: 10 Aug 2023 11:24

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB-01-Z30-32

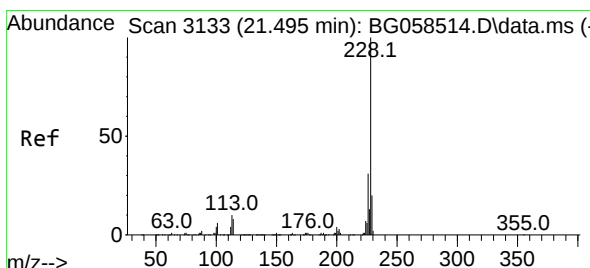
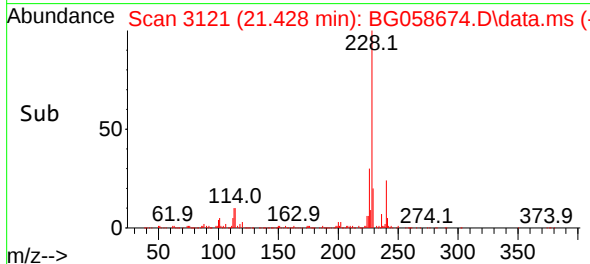
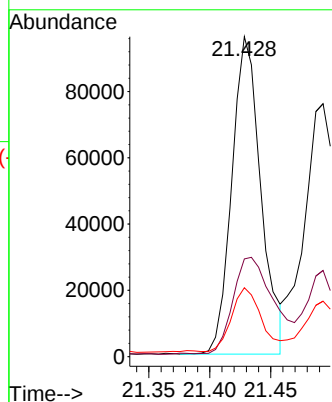
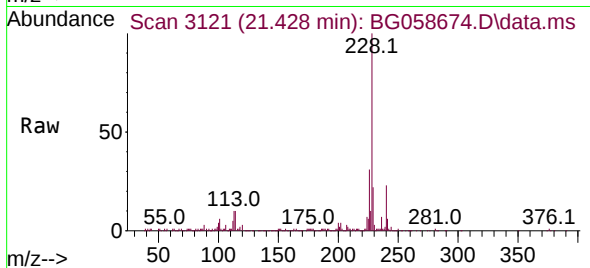
Tgt Ion:228 Resp: 159321

Ion Ratio Lower Upper

228 100

226 30.5 22.6 33.8

229 21.5 16.3 24.5



#83

Chrysene

Concen: 8.395 ng

RT: 21.493 min Scan# 3132

Delta R.T. -0.002 min

Lab File: BG058674.D

Acq: 10 Aug 2023 11:24

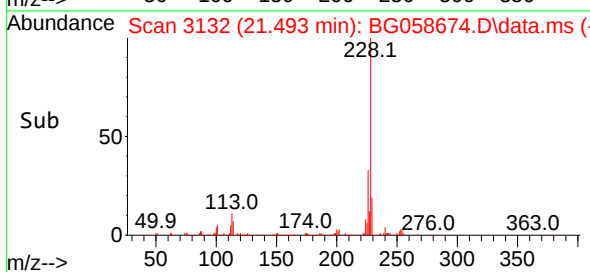
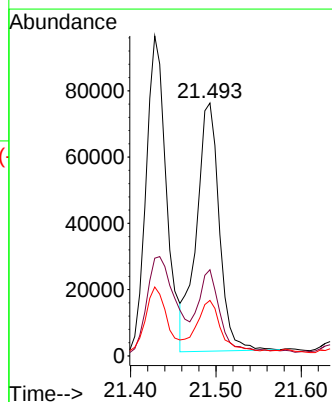
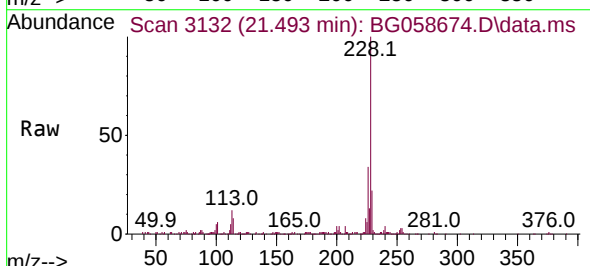
Tgt Ion:228 Resp: 139789

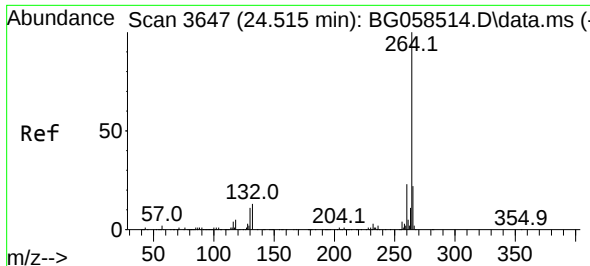
Ion Ratio Lower Upper

228 100

226 34.1 25.0 37.6

229 21.9 16.3 24.5



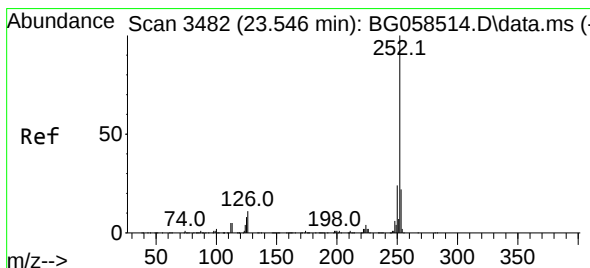
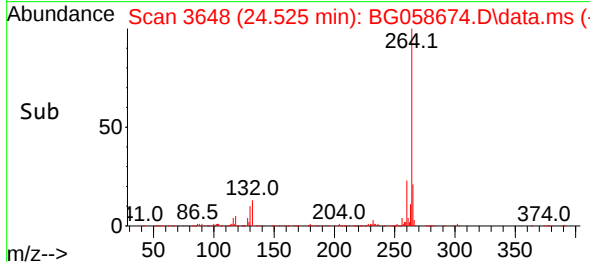
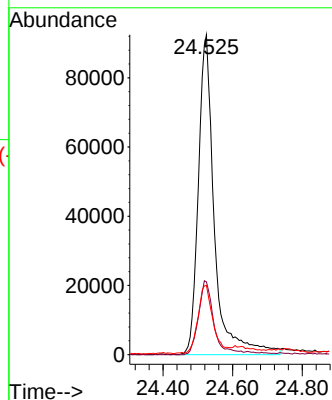
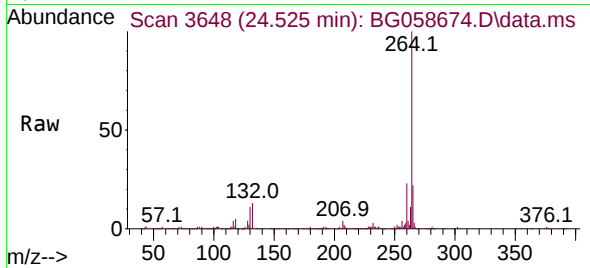


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.525 min Scan# 3648
Delta R.T. 0.010 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z30-32

Tgt Ion:264 Resp: 295023

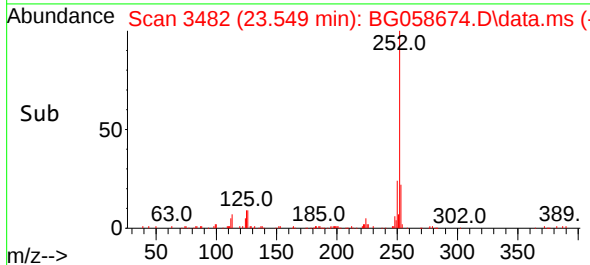
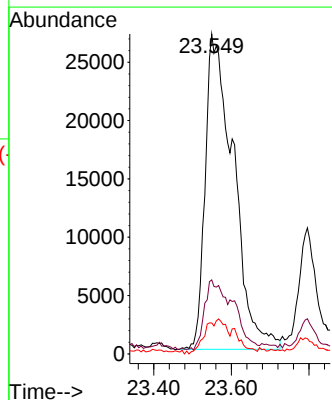
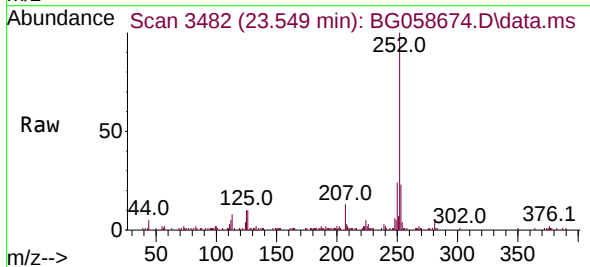
Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.4	27.6
265	21.6	17.9	26.9

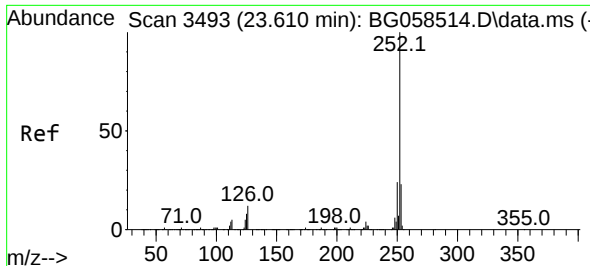


#88
Benzo(b)fluoranthene
Concen: 8.549 ng
RT: 23.549 min Scan# 3482
Delta R.T. 0.004 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Tgt Ion:252 Resp: 136795

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	9.7	6.6	9.8

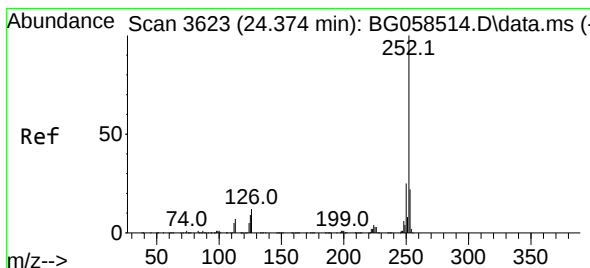
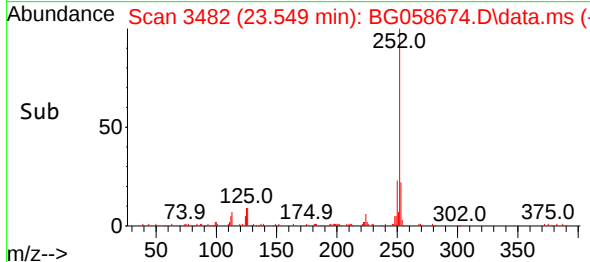
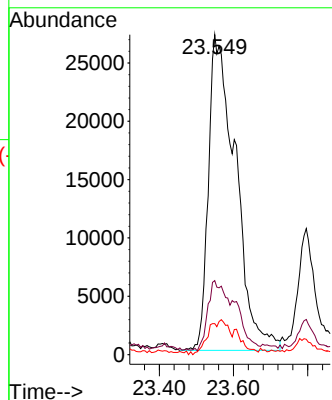
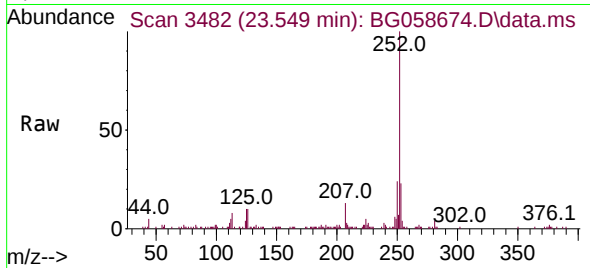




#89
Benzo(k)fluoranthene
Concen: 8.528 ng
RT: 23.549 min Scan# 3493
Delta R.T. -0.061 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

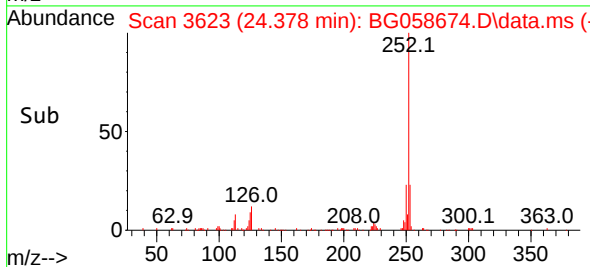
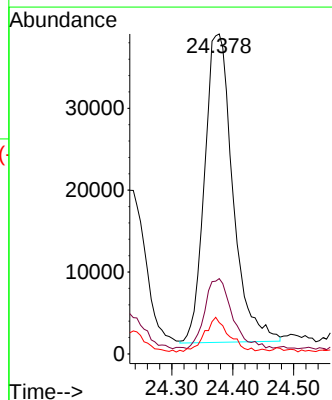
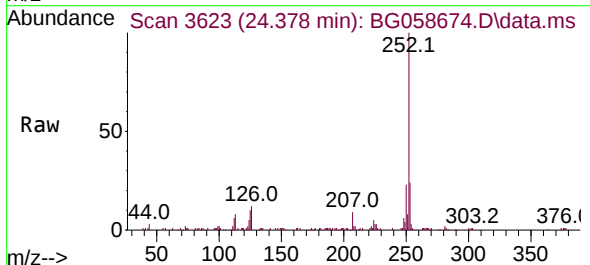
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z30-32

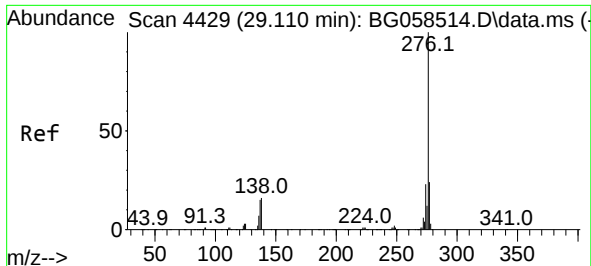
Tgt Ion:252 Resp: 137089
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 9.7 6.6 10.0



#90
Benzo(a)pyrene
Concen: 7.712 ng
RT: 24.378 min Scan# 3623
Delta R.T. 0.004 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

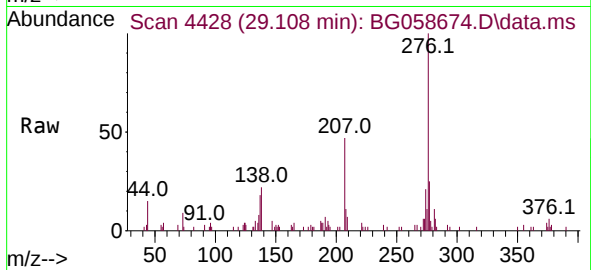
Tgt Ion:252 Resp: 121189
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 9.8 7.4 11.2





#92
Benzo(g,h,i)perylene
Concen: 2.703 ng
RT: 29.108 min Scan# 44
Delta R.T. -0.002 min
Lab File: BG058674.D
Acq: 10 Aug 2023 11:24

Instrument :
BNA_G
ClientSampleId :
NEVINS-SB-01-Z30-32



Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.9	28.3
138	21.6	13.0	19.4

