

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081423\
 Data File : BG058717.D
 Acq On : 14 Aug 2023 11:09
 Operator : MA/JU
 Sample : 03958-04DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z46-47DL

Quant Time: Aug 14 11:44:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 22:29:07 2023
 Response via : Initial Calibration

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

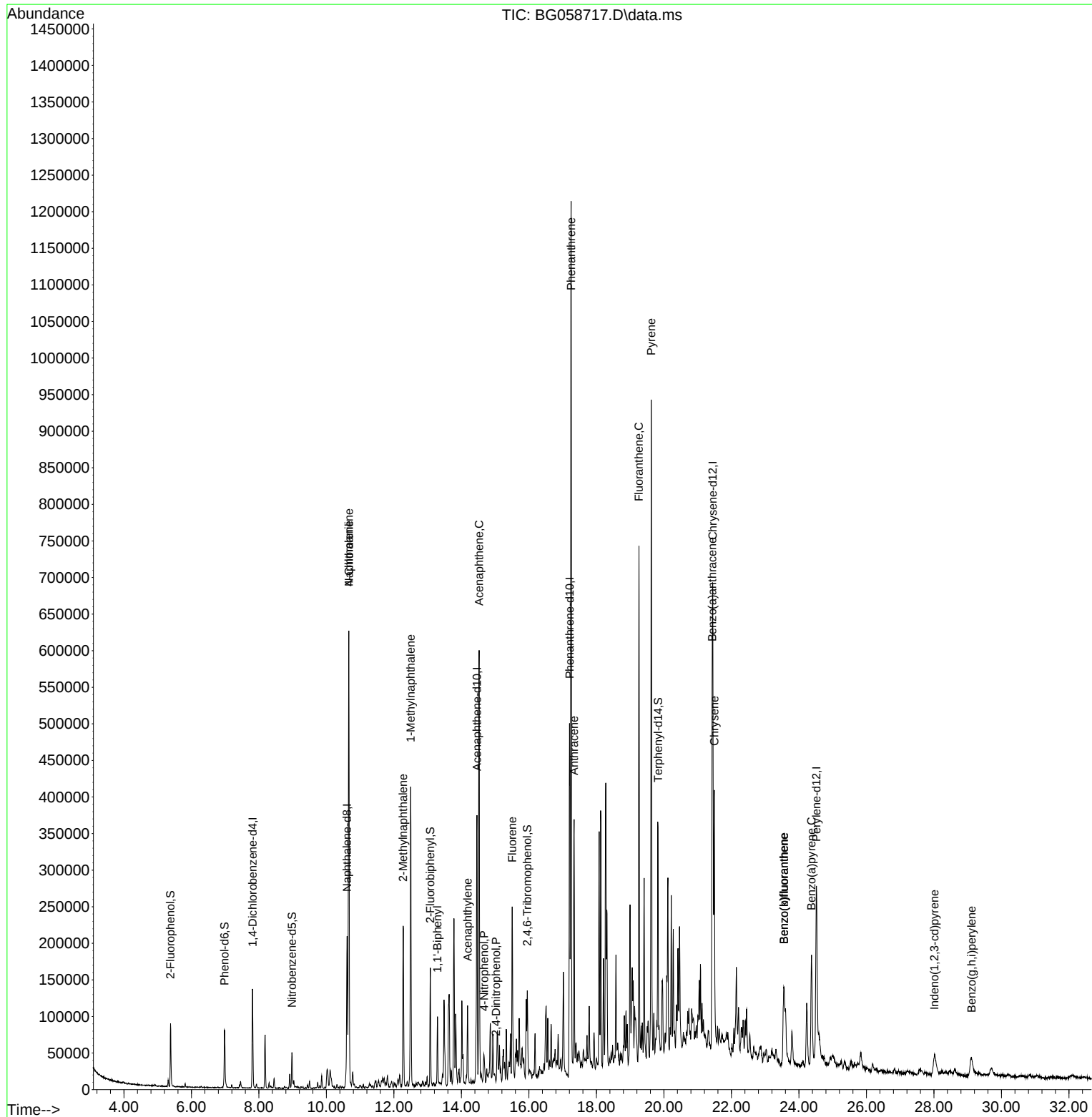
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.814	152	38437	20.000	ng	0.00
21) Naphthalene-d8	10.611	136	176234	20.000	ng	0.00
39) Acenaphthene-d10	14.459	164	130100	20.000	ng	0.00
64) Phenanthrene-d10	17.203	188	312663	20.000	ng	0.00
76) Chrysene-d12	21.445	240	275536	20.000	ng	0.00
86) Perylene-d12	24.518	264	318399	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	39038	15.524	ng	0.00
7) Phenol-d6	6.979	99	56023	16.010	ng	0.00
23) Nitrobenzene-d5	8.977	82	32096	8.947	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	24490	11.485	ng	0.00
45) 2-Fluorobiphenyl	13.078	172	87949	10.131	ng	0.00
79) Terphenyl-d14	19.823	244	163059	11.129	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.663	128	521186	56.111	ng	99
33) 4-Chloroaniline	10.663	127	70954	18.080	ng	# 30
37) 2-Methylnaphthalene	12.273	142	114167	17.183	ng	98
38) 1-Methylnaphthalene	12.497	142	197141	31.213	ng	98
46) 1,1'-Biphenyl	13.290	154	49403	5.529	ng	100
49) Acenaphthylene	14.183	152	46896	4.021	ng	# 92
52) Acenaphthene	14.524	154	217041	32.205	ng	99
54) 2,4-Dinitrophenol	15.029	184	53	7.524	ng	# 15
56) 4-Nitrophenol	14.670	139	1738	4.373	ng	# 36
58) Fluorene	15.505	166	116910	12.708	ng	98
71) Phenanthrene	17.250	178	761150	51.332	ng	99
72) Anthracene	17.338	178	220008	14.460	ng	100
75) Fluoranthene	19.259	202	412730	23.172	ng	100
78) Pyrene	19.623	202	581552	31.013	ng	98
81) Benzo(a)anthracene	21.427	228	276559	14.585	ng	95
83) Chrysene	21.492	228	252232	13.874	ng	99
87) Indeno(1,2,3-cd)pyrene	28.014	276	58867	2.779	ng	# 85
88) Benzo(b)fluoranthene	23.554	252	225009	13.029	ng	99
89) Benzo(k)fluoranthene	23.554	252	225009	12.970	ng	99
90) Benzo(a)pyrene	24.371	252	192645	11.359	ng	98
92) Benzo(g,h,i)perylene	29.112	276	65840	3.749	ng	95

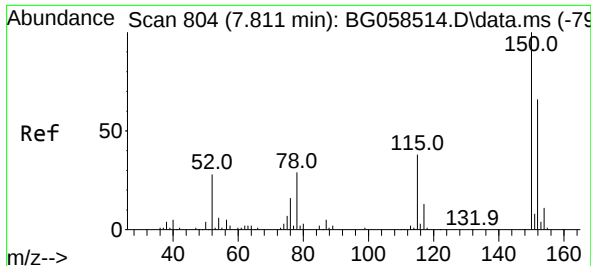
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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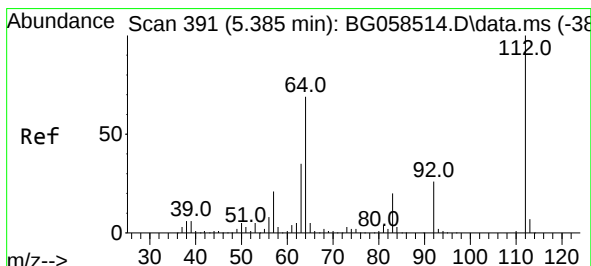
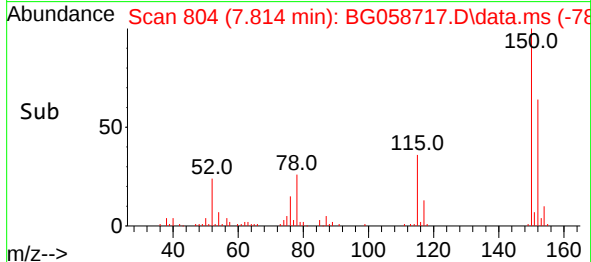
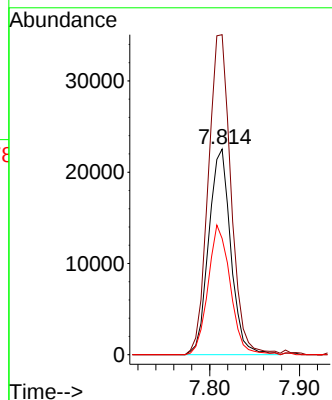
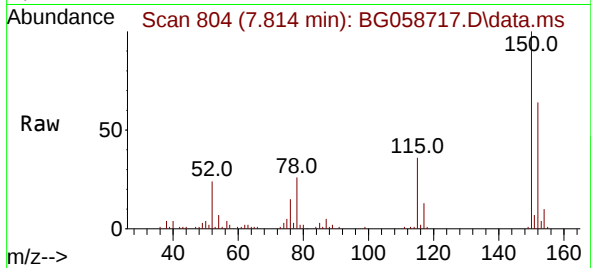




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.814 min Scan# 804
Delta R.T. 0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

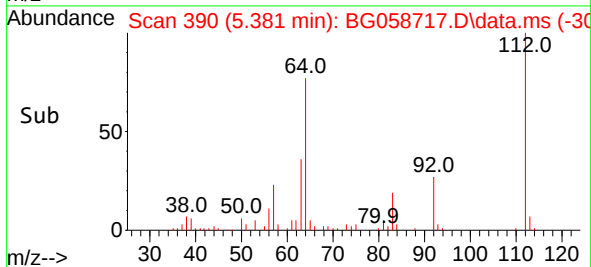
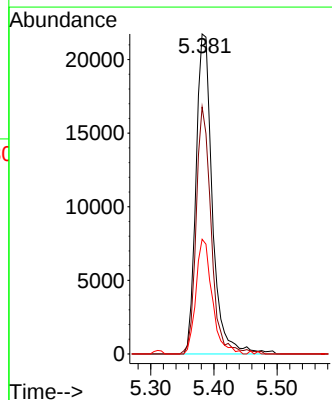
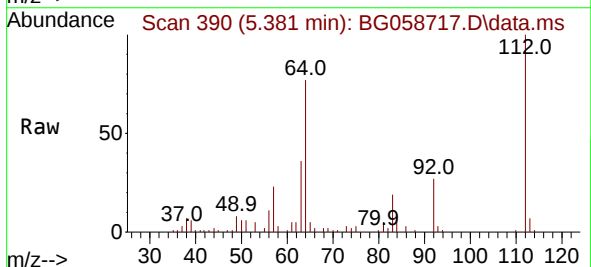
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BNA_G
ClientSampleId :
NEVINS-SB02-Z46-47DL

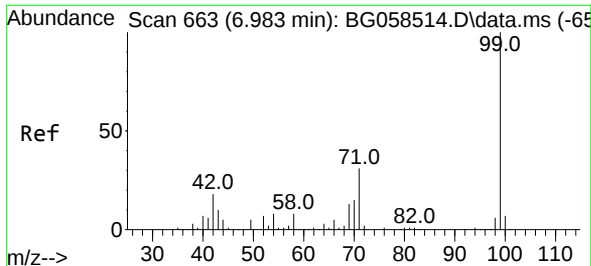
Tgt Ion:152 Resp: 38437
Ion Ratio Lower Upper
152 100
150 155.6 120.5 180.7
115 56.5 45.9 68.9



#5
2-Fluorophenol
Concen: 15.524 ng
RT: 5.381 min Scan# 390
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

Tgt Ion:112 Resp: 39038
Ion Ratio Lower Upper
112 100
64 77.2 55.3 82.9
63 35.8 28.3 42.5

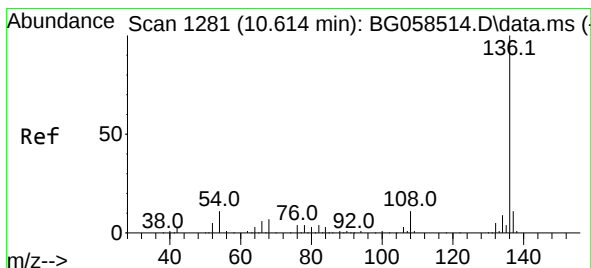
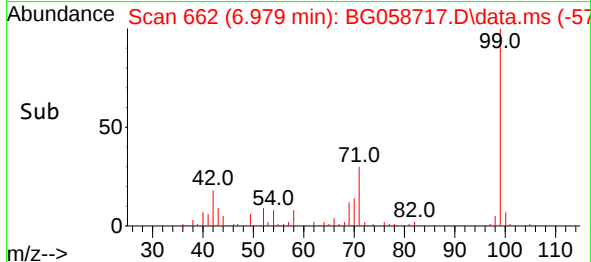
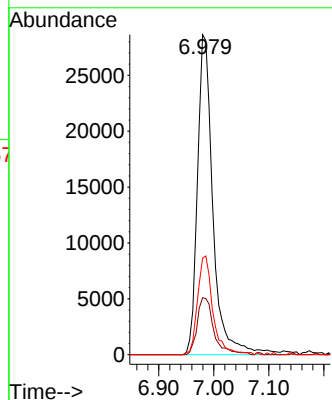
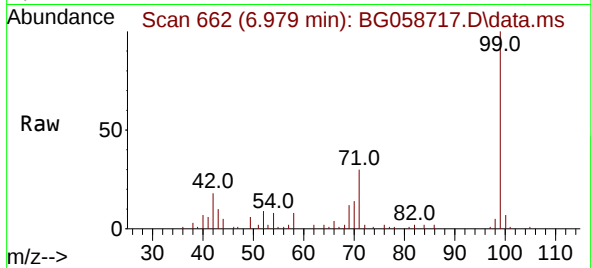




#7
Phenol-d6
Concen: 16.010 ng
RT: 6.979 min Scan# 60
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

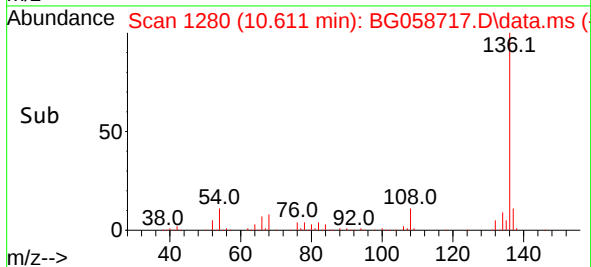
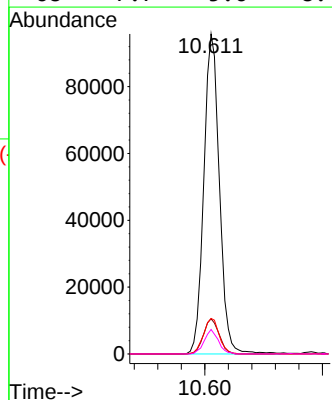
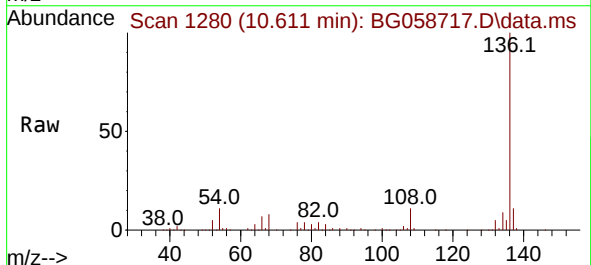
Instrument :
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ClientSampleId :
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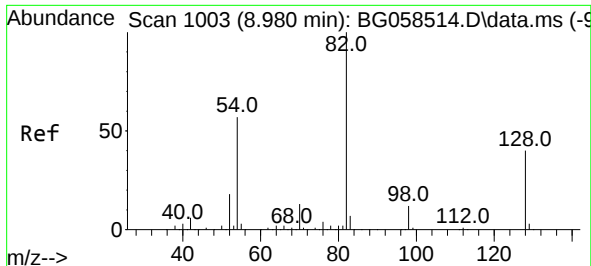
Tgt Ion: 99 Resp: 56023
Ion Ratio Lower Upper
99 100
42 17.8 14.6 21.8
71 30.1 25.0 37.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.611 min Scan# 1280
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

Tgt Ion: 136 Resp: 176234
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 11.1 8.9 13.3
68 7.7 5.6 8.4

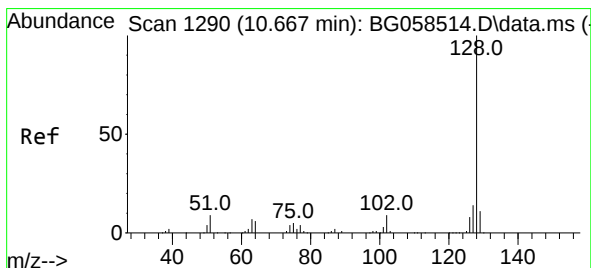
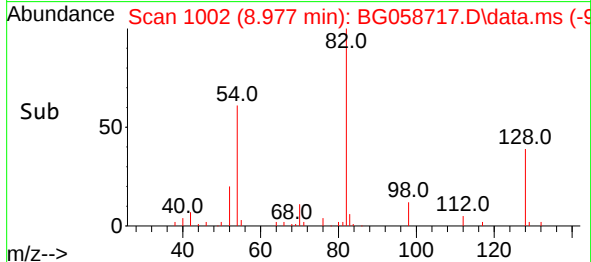
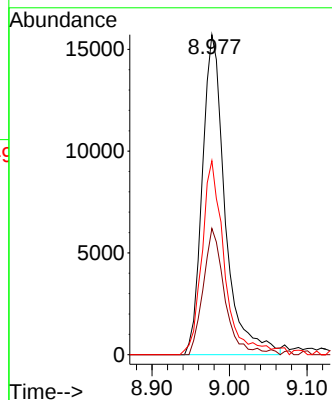
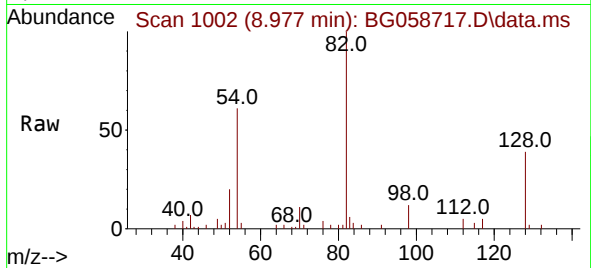




#23
Nitrobenzene-d5
Concen: 8.947 ng
RT: 8.977 min Scan# 1002
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

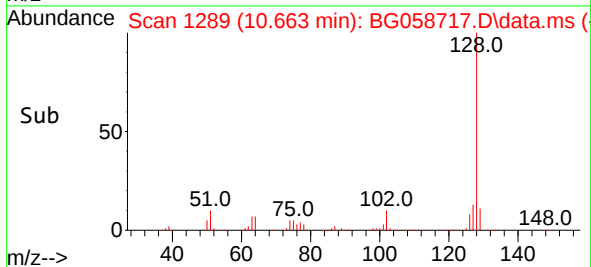
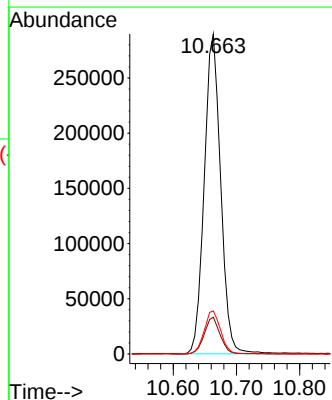
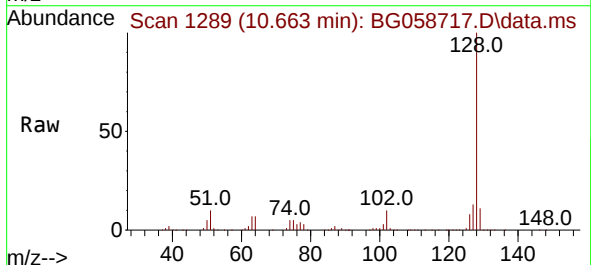
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z46-47DL

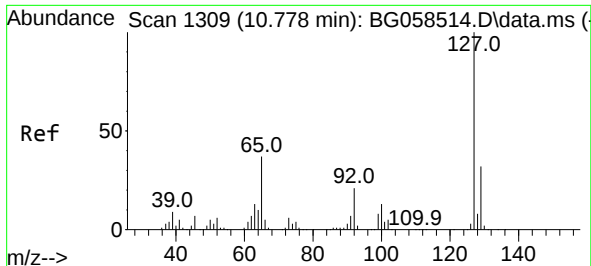
Tgt Ion: 82 Resp: 32096
Ion Ratio Lower Upper
82 100
128 39.5 32.2 48.2
54 60.6 46.0 69.0



#31
Naphthalene
Concen: 56.111 ng
RT: 10.663 min Scan# 1289
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

Tgt Ion:128 Resp: 521186
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 13.5 10.9 16.3

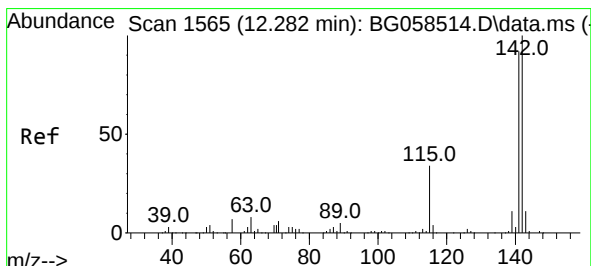
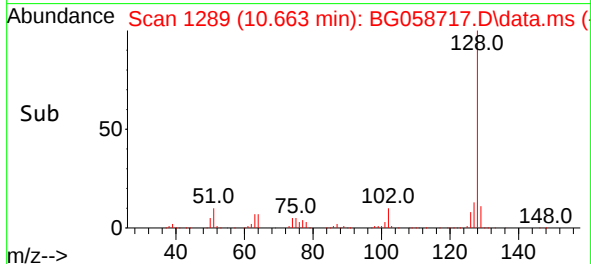
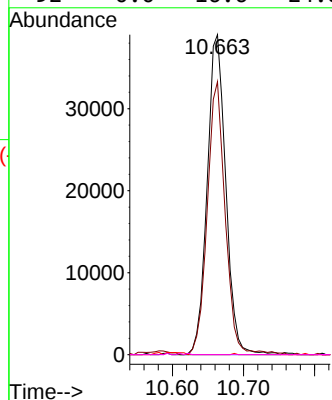
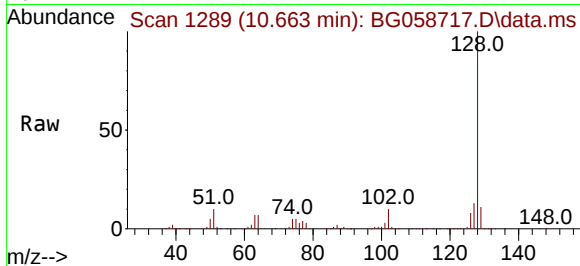




#33
4-Chloroaniline
Concen: 18.080 ng
RT: 10.663 min Scan# 11
Delta R.T. -0.115 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

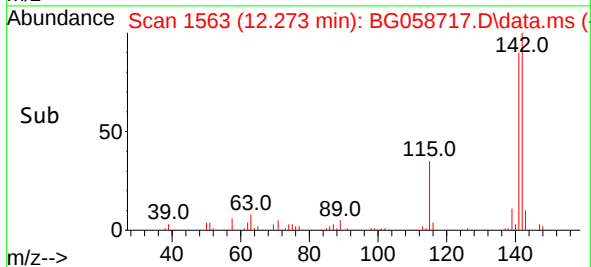
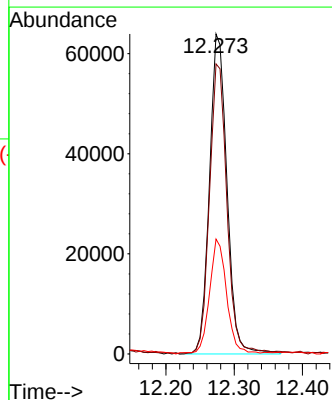
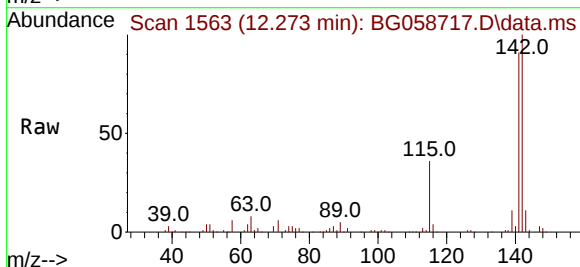
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z46-47DL

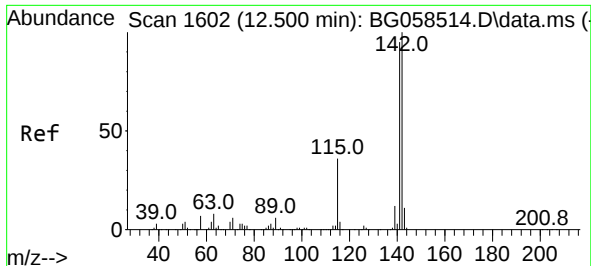
Tgt Ion:	127	Resp:	70954
Ion Ratio	Lower	Upper	
127	100		
129	85.3	25.4	38.2#
65	0.0	29.5	44.3#
92	0.0	16.6	24.8#



#37
2-Methylnaphthalene
Concen: 17.183 ng
RT: 12.273 min Scan# 1563
Delta R.T. -0.009 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

Tgt Ion:	142	Resp:	114167
Ion Ratio	Lower	Upper	
142	100		
141	90.6	73.5	110.3
115	35.9	27.4	41.0

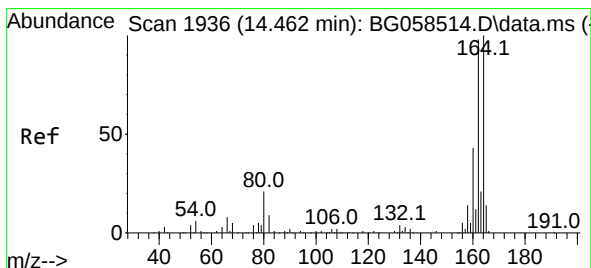
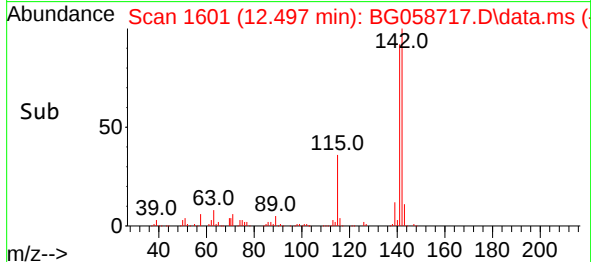
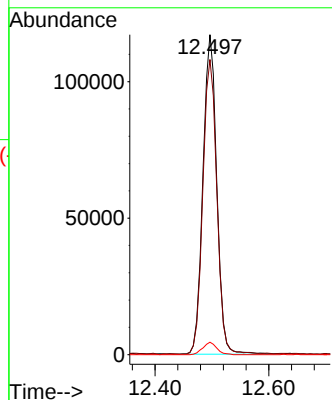
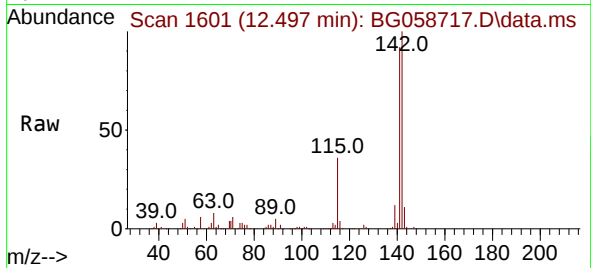




#38
1-Methylnaphthalene
Concen: 31.213 ng
RT: 12.497 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

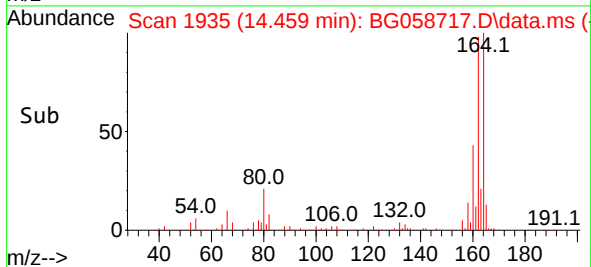
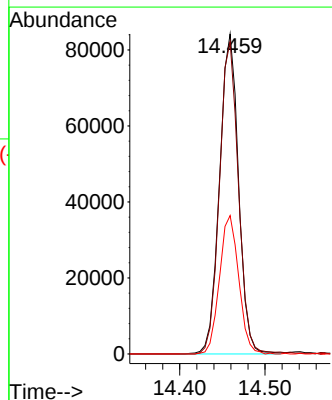
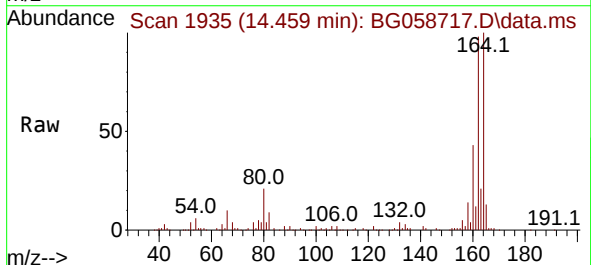
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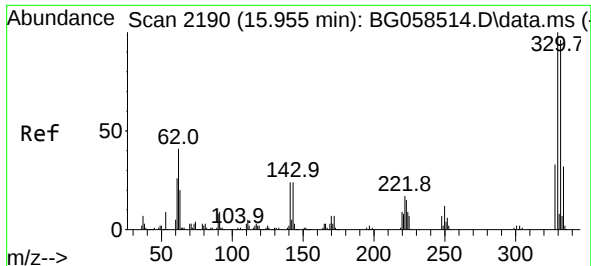
Tgt Ion:142 Resp: 197141
Ion Ratio Lower Upper
142 100
141 92.2 75.7 113.5
116 3.9 3.2 4.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.459 min Scan# 1935
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

Tgt Ion:164 Resp: 130100
Ion Ratio Lower Upper
164 100
162 97.6 78.3 117.5
160 43.3 34.1 51.1

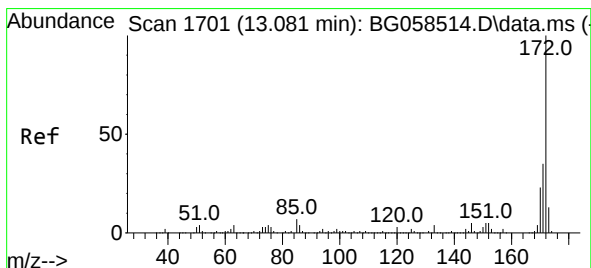
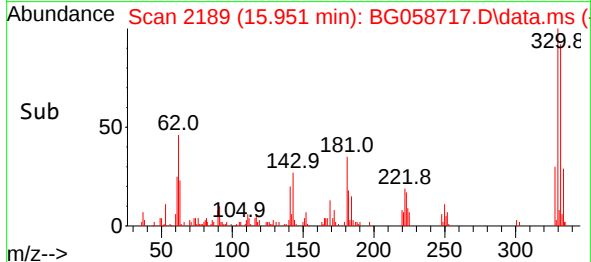
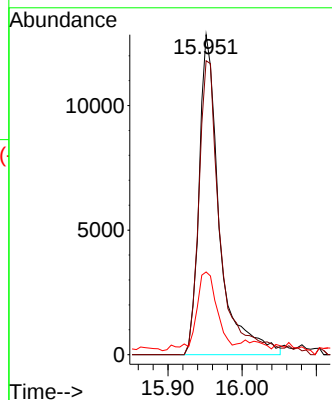
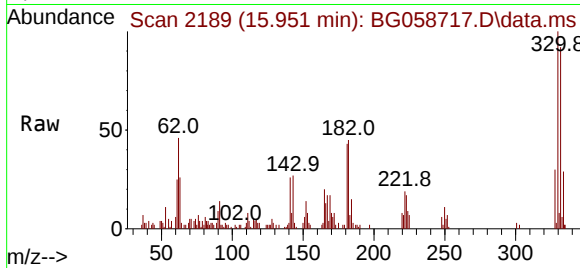




#42
2,4,6-Tribromophenol
Concen: 11.485 ng
RT: 15.951 min Scan# 2190
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

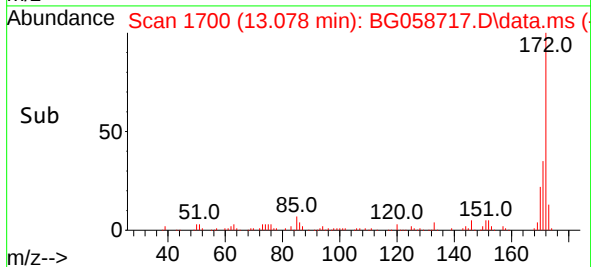
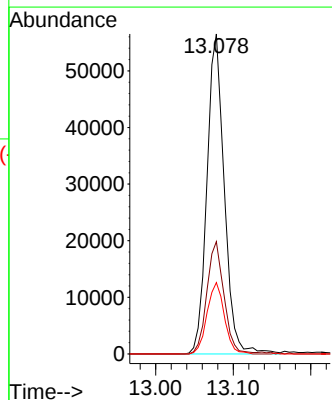
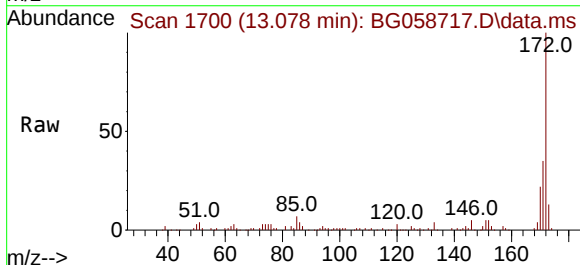
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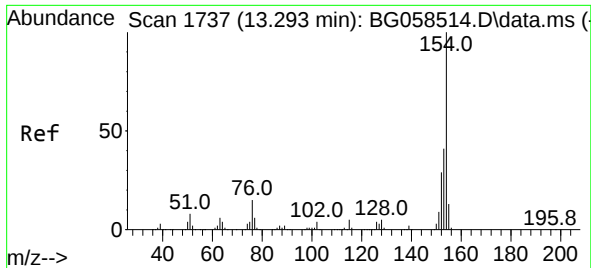
Tgt Ion:330 Resp: 24490
Ion Ratio Lower Upper
330 100
332 96.2 77.5 116.3
141 25.5 20.7 31.1



#45
2-Fluorobiphenyl
Concen: 10.131 ng
RT: 13.078 min Scan# 1700
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

Tgt Ion:172 Resp: 87949
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 22.3 18.4 27.6

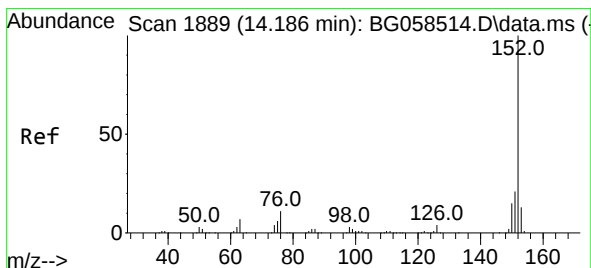
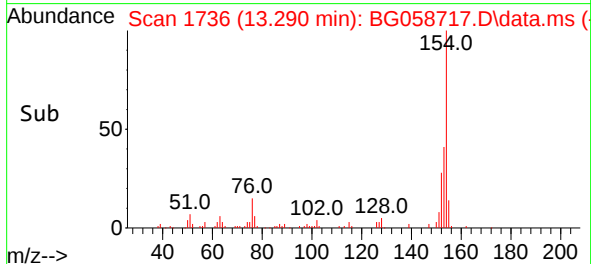
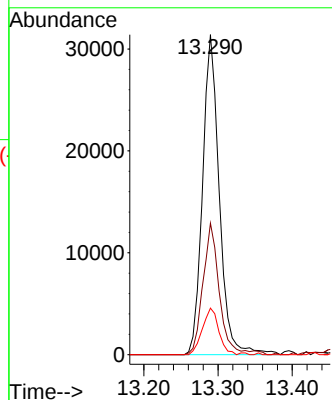
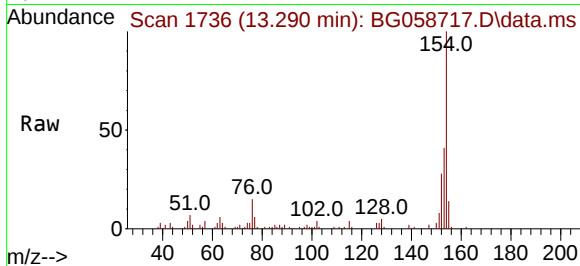




#46
1,1'-Biphenyl
Concen: 5.529 ng
RT: 13.290 min Scan# 1736
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

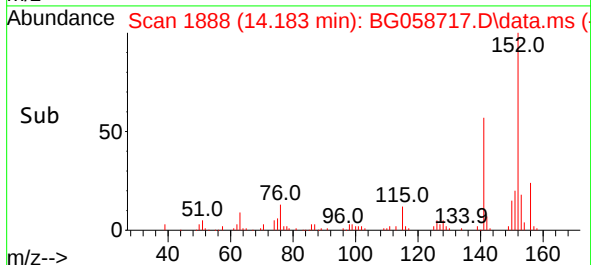
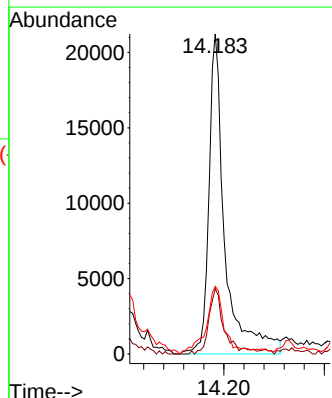
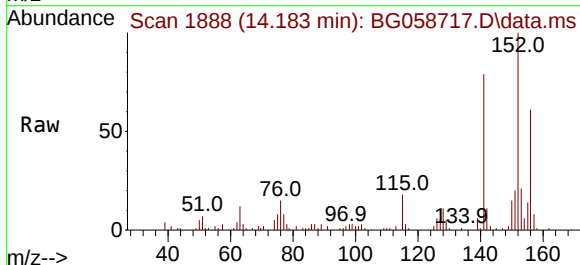
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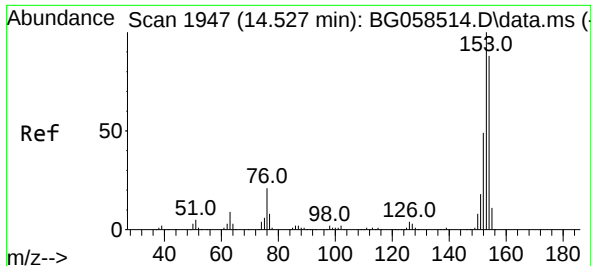
Tgt Ion:154 Resp: 49403
Ion Ratio Lower Upper
154 100
153 41.1 21.2 61.2
76 14.6 0.0 34.7



#49
Acenaphthylene
Concen: 4.021 ng
RT: 14.183 min Scan# 1888
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

Tgt Ion:152 Resp: 46896
Ion Ratio Lower Upper
152 100
151 20.4 16.5 24.7
153 21.2 10.7 16.1#

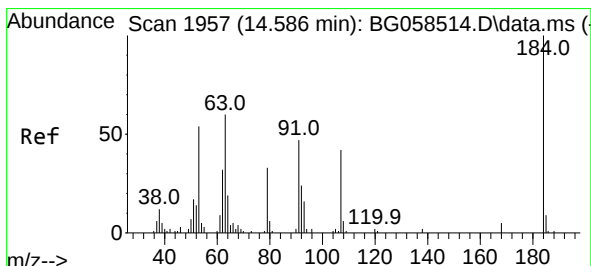
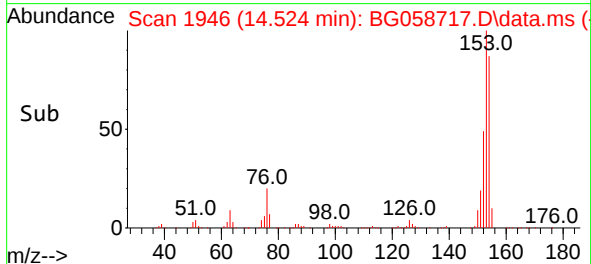
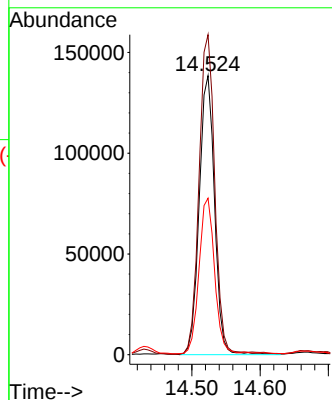
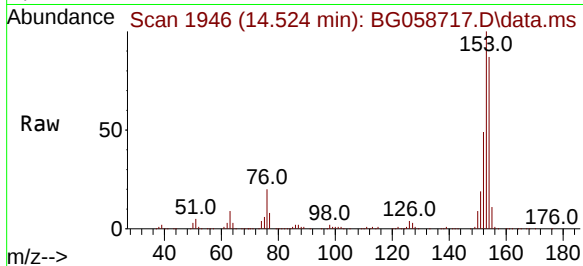




#52
Acenaphthene
Concen: 32.205 ng
RT: 14.524 min Scan# 1946
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

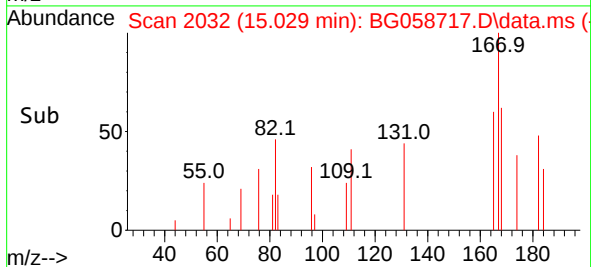
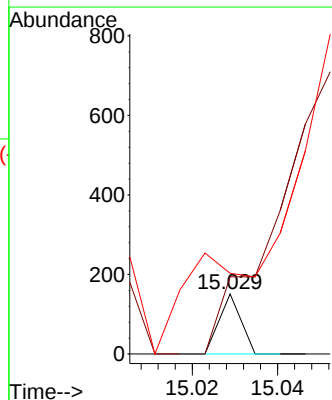
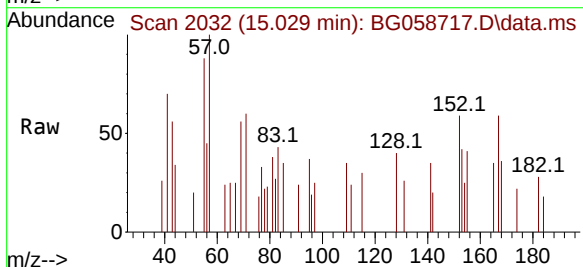
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z46-47DL

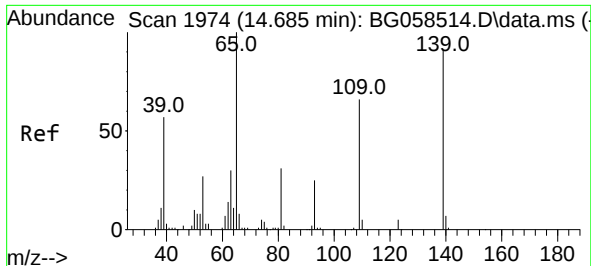
Tgt Ion:154 Resp: 217041
Ion Ratio Lower Upper
154 100
153 114.7 91.1 136.7
152 56.1 44.6 66.8



#54
2,4-Dinitrophenol
Concen: 7.524 ng
RT: 15.029 min Scan# 2032
Delta R.T. 0.443 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

Tgt Ion:184 Resp: 53
Ion Ratio Lower Upper
184 100
63 128.5 56.7 85.1#
154 134.4 46.1 69.1#

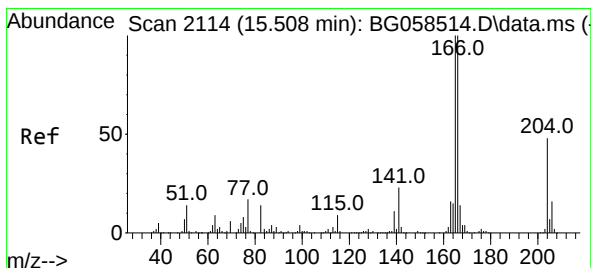
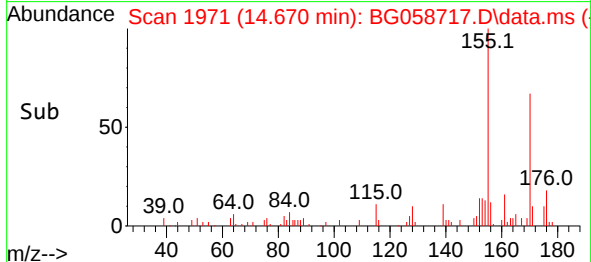
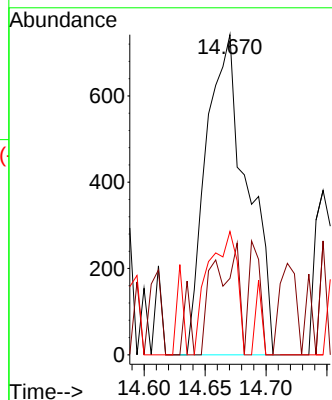
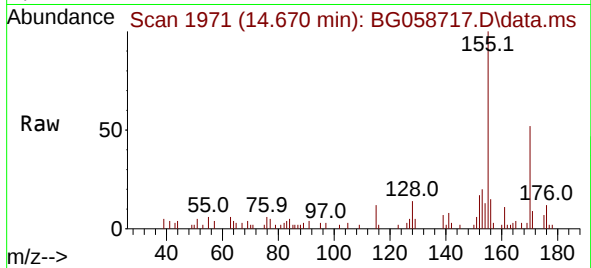




#56
4-Nitrophenol
Concen: 4.373 ng
RT: 14.670 min Scan# 1974
Delta R.T. -0.015 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

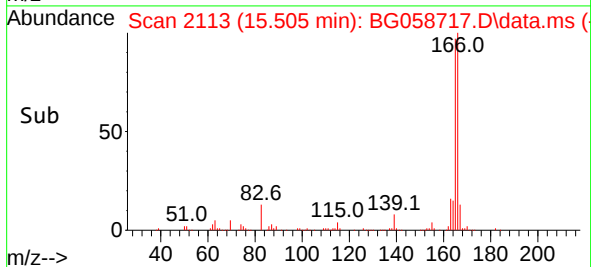
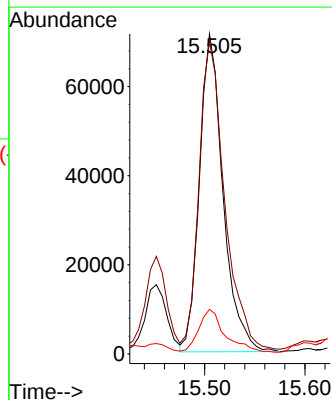
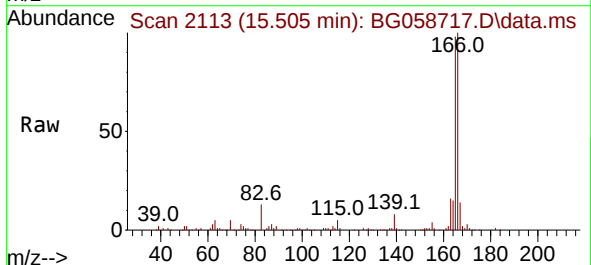
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z46-47DL

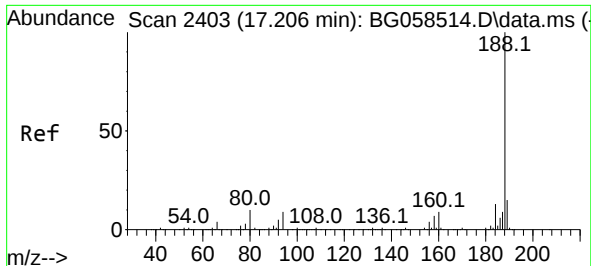
Tgt Ion:139 Resp: 1738
Ion Ratio Lower Upper
139 100
109 23.9 52.5 92.5#
65 38.5 90.5 130.5#



#58
Fluorene
Concen: 12.708 ng
RT: 15.505 min Scan# 2113
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

Tgt Ion:166 Resp: 116910
Ion Ratio Lower Upper
166 100
165 97.5 80.0 120.0
167 13.9 11.3 16.9

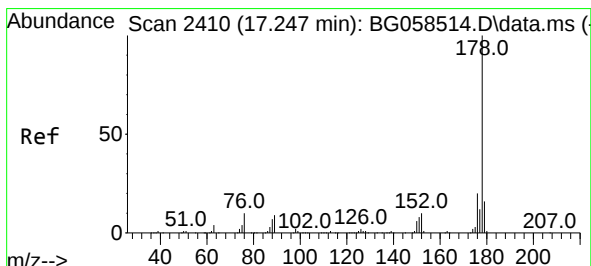
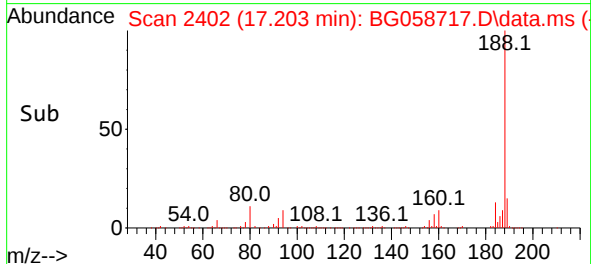
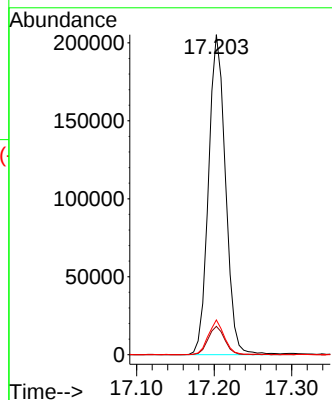
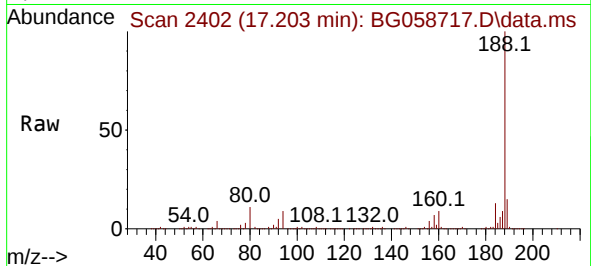




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.203 min Scan# 2403
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

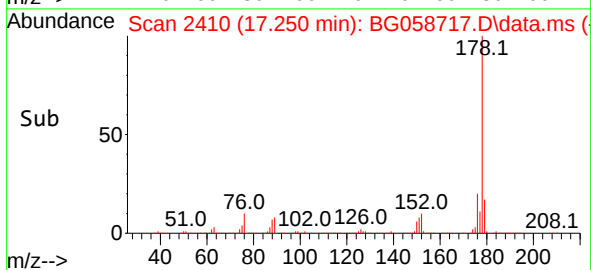
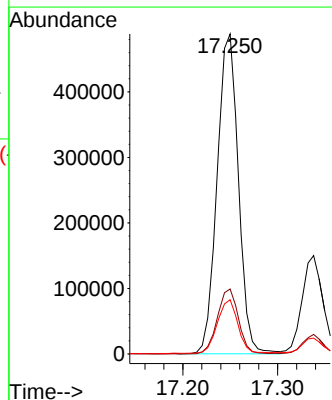
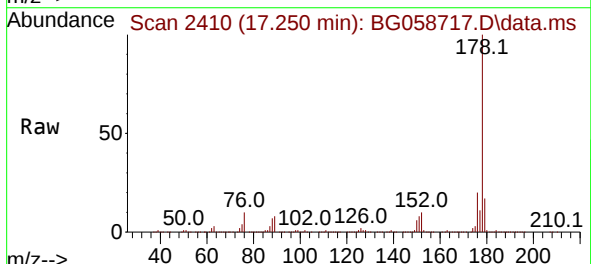
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z46-47DL

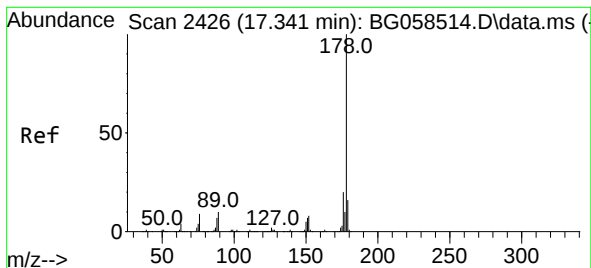
Tgt Ion:188 Resp: 312663
Ion Ratio Lower Upper
188 100
94 8.8 7.0 10.6
80 10.9 8.1 12.1



#71
Phenanthrene
Concen: 51.332 ng
RT: 17.250 min Scan# 2410
Delta R.T. 0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

Tgt Ion:178 Resp: 761150
Ion Ratio Lower Upper
178 100
176 20.3 16.3 24.5
179 17.0 13.1 19.7





#72

Anthracene

Concen: 14.460 ng

RT: 17.338 min Scan# 24

Delta R.T. -0.003 min

Lab File: BG058717.D

Acq: 14 Aug 2023 11:09

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z46-47DL

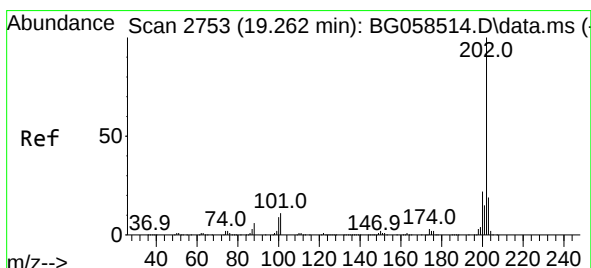
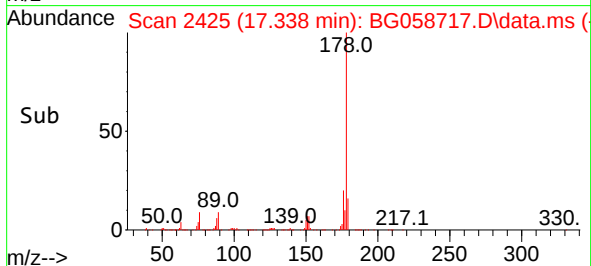
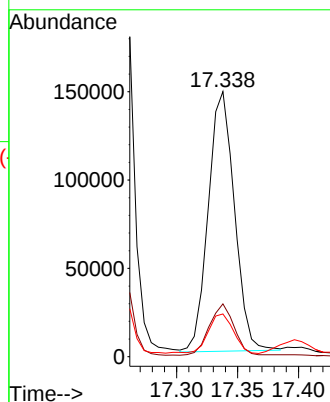
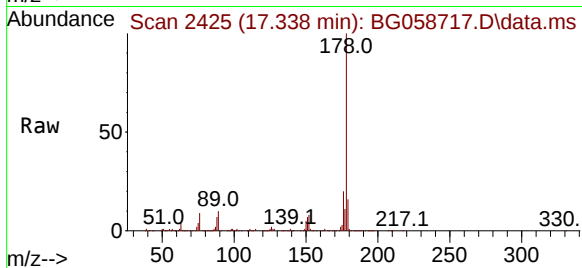
Tgt Ion:178 Resp: 220008

Ion Ratio Lower Upper

178 100

176 19.9 16.0 24.0

179 16.1 12.9 19.3



#75

Fluoranthene

Concen: 23.172 ng

RT: 19.259 min Scan# 2752

Delta R.T. -0.003 min

Lab File: BG058717.D

Acq: 14 Aug 2023 11:09

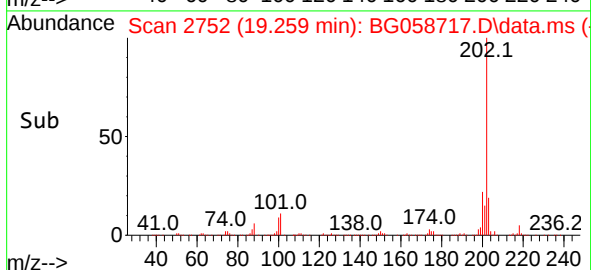
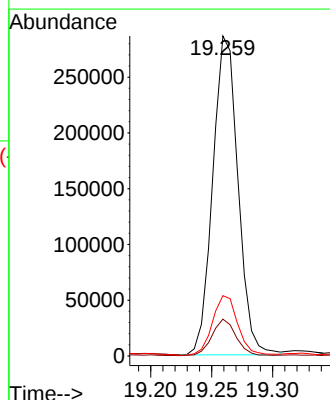
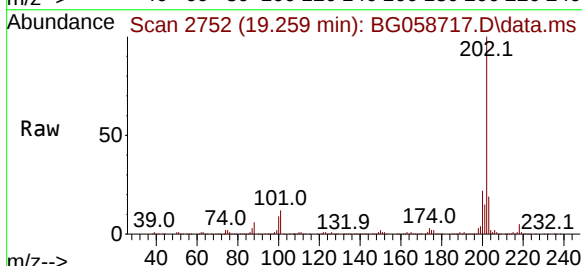
Tgt Ion:202 Resp: 412730

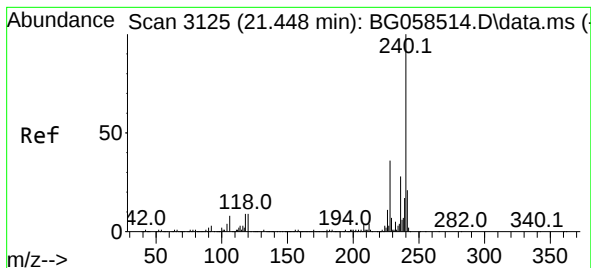
Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.4

203 18.9 0.0 39.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.445 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG058717.D

Acq: 14 Aug 2023 11:09

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z46-47DL

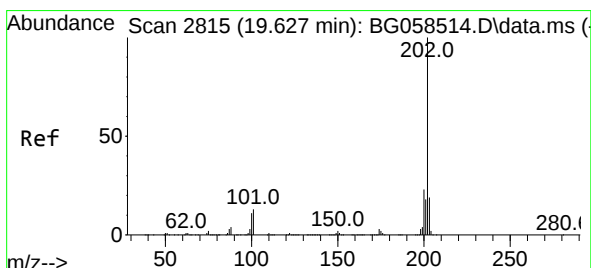
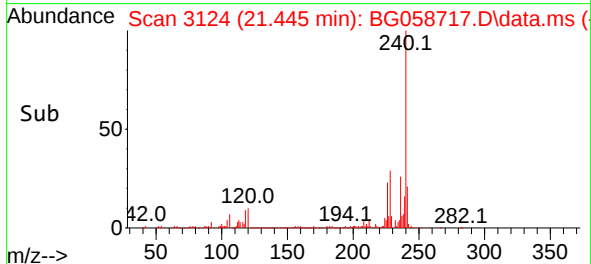
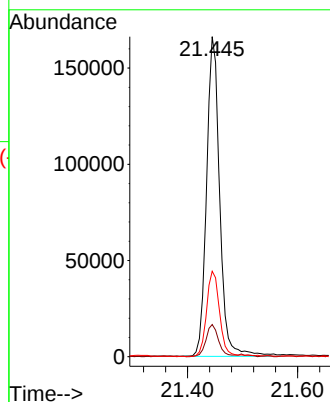
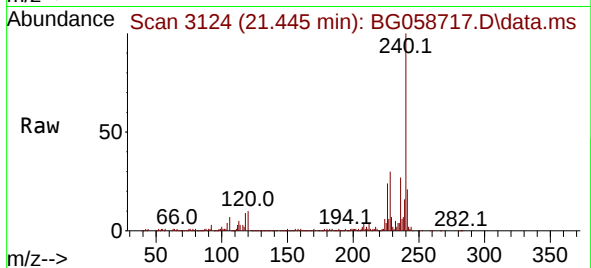
Tgt Ion:240 Resp: 275536

Ion Ratio Lower Upper

240 100

120 10.0 7.4 11.0

236 26.7 22.2 33.4



#78

Pyrene

Concen: 31.013 ng

RT: 19.623 min Scan# 2814

Delta R.T. -0.003 min

Lab File: BG058717.D

Acq: 14 Aug 2023 11:09

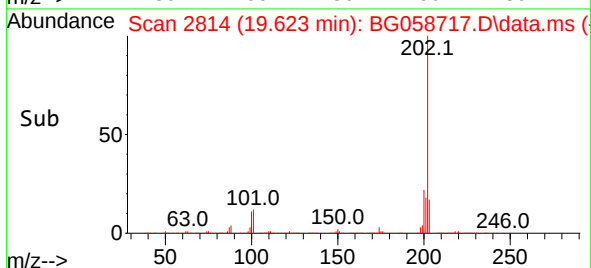
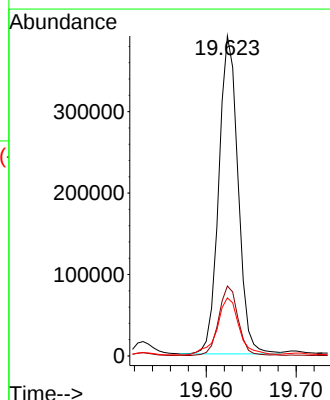
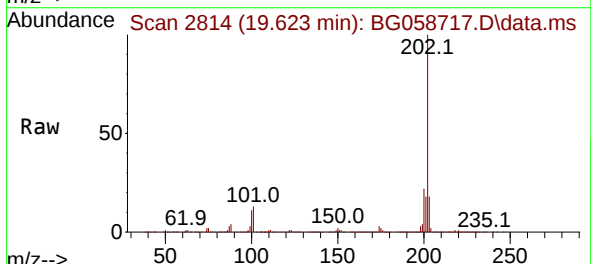
Tgt Ion:202 Resp: 581552

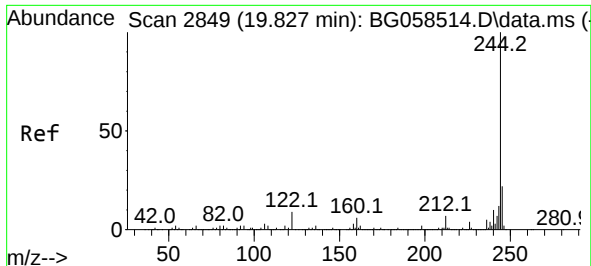
Ion Ratio Lower Upper

202 100

200 21.9 18.2 27.2

203 18.2 15.1 22.7

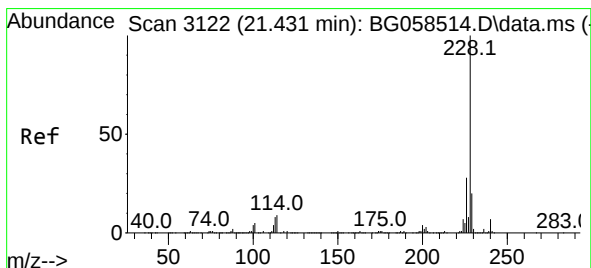
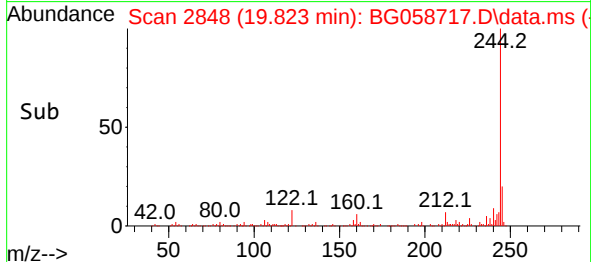
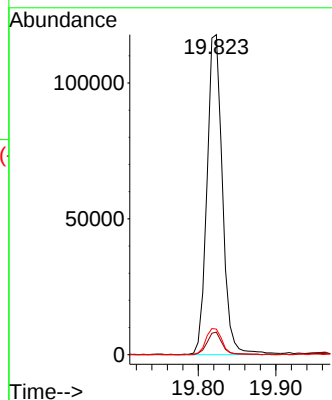
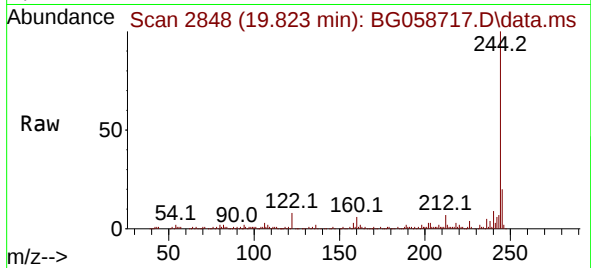




#79
 Terphenyl-d14
 Concen: 11.129 ng
 RT: 19.823 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG058717.D
 Acq: 14 Aug 2023 11:09

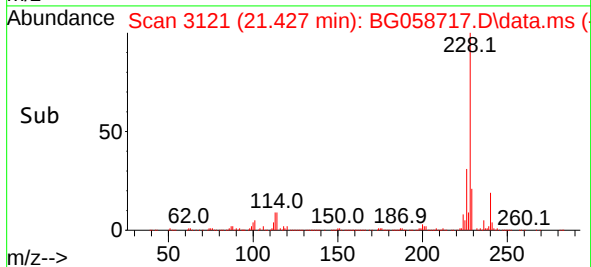
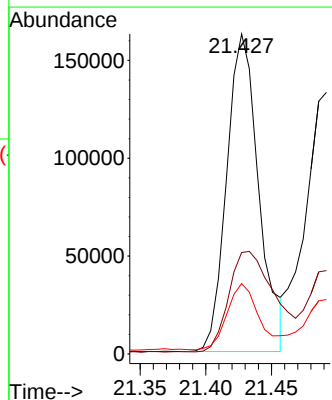
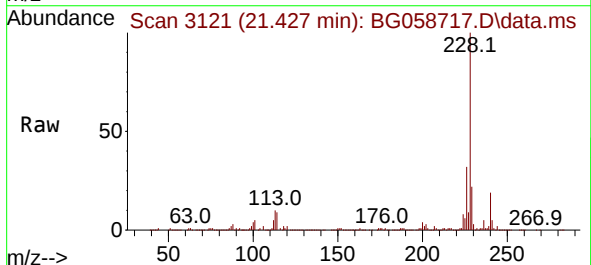
Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z46-47DL

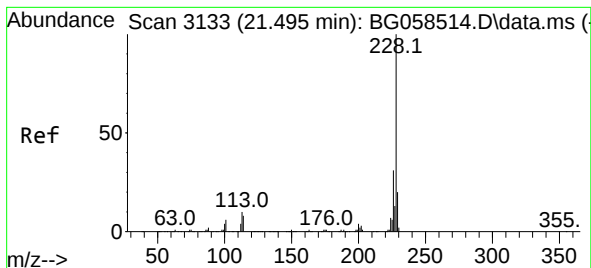
Tgt Ion:244 Resp: 163059
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 8.0 6.8 10.2



#81
 Benzo(a)anthracene
 Concen: 14.585 ng
 RT: 21.427 min Scan# 3121
 Delta R.T. -0.003 min
 Lab File: BG058717.D
 Acq: 14 Aug 2023 11:09

Tgt Ion:228 Resp: 276559
 Ion Ratio Lower Upper
 228 100
 226 31.7 22.6 33.8
 229 22.0 16.3 24.5





#83

Chrysene

Concen: 13.874 ng

RT: 21.492 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG058717.D

Acq: 14 Aug 2023 11:09

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z46-47DL

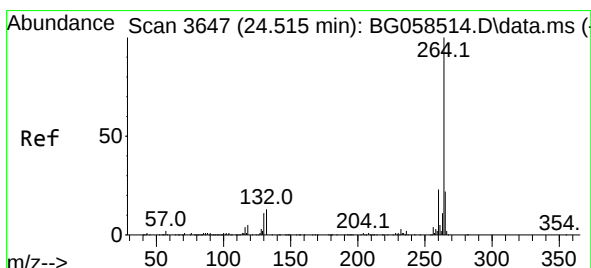
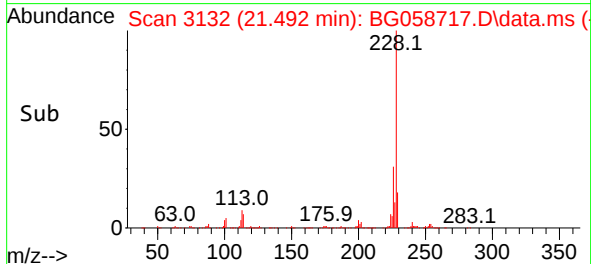
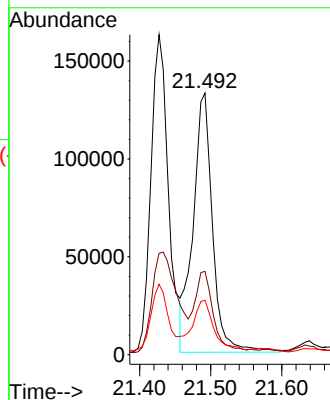
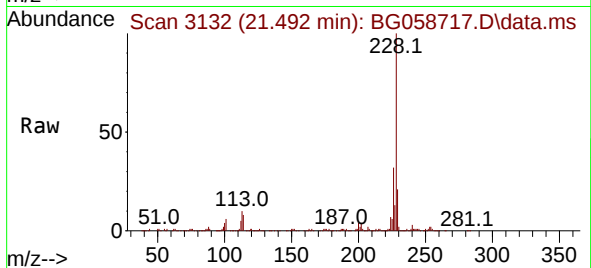
Tgt Ion:228 Resp: 252232

Ion Ratio Lower Upper

228 100

226 31.8 25.0 37.6

229 20.8 16.3 24.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.518 min Scan# 3647

Delta R.T. 0.003 min

Lab File: BG058717.D

Acq: 14 Aug 2023 11:09

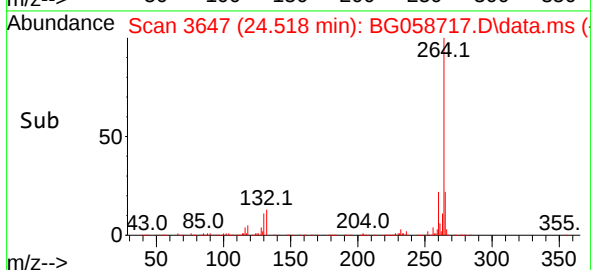
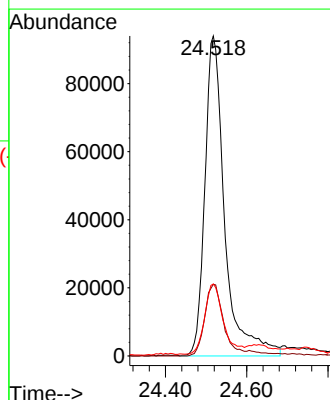
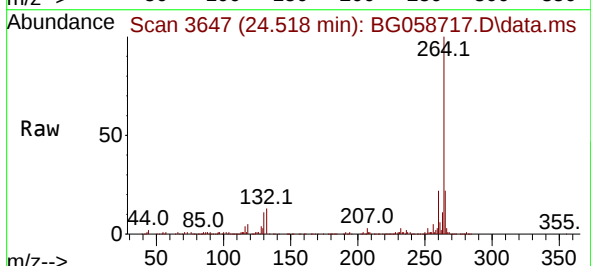
Tgt Ion:264 Resp: 318399

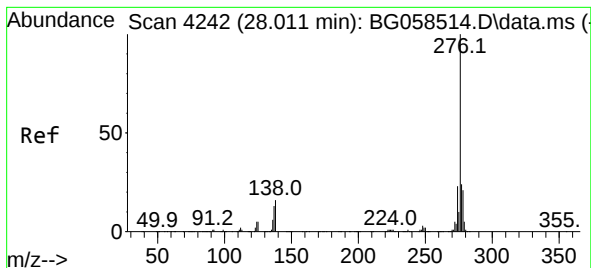
Ion Ratio Lower Upper

264 100

260 22.4 18.4 27.6

265 22.5 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.779 ng

RT: 28.014 min Scan# 41

Delta R.T. 0.003 min

Lab File: BG058717.D

Acq: 14 Aug 2023 11:09

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z46-47DL

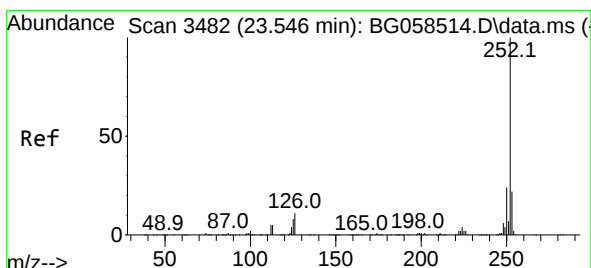
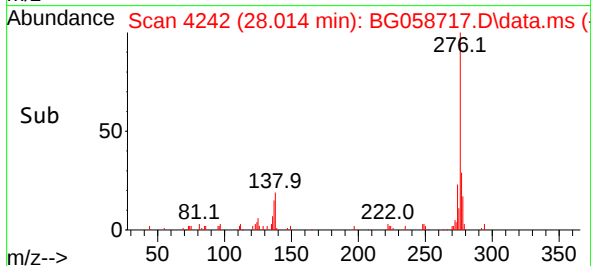
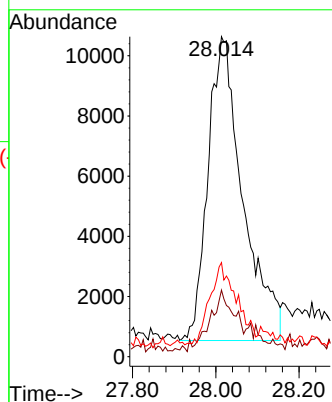
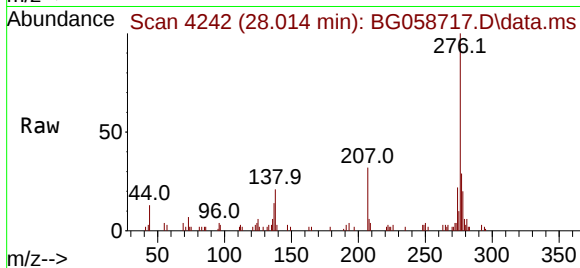
Tgt Ion:276 Resp: 58867

Ion Ratio Lower Upper

276 100

138 11.1 16.0 24.0#

277 20.0 20.4 30.6#



#88

Benzo(b)fluoranthene

Concen: 13.029 ng

RT: 23.554 min Scan# 3483

Delta R.T. 0.008 min

Lab File: BG058717.D

Acq: 14 Aug 2023 11:09

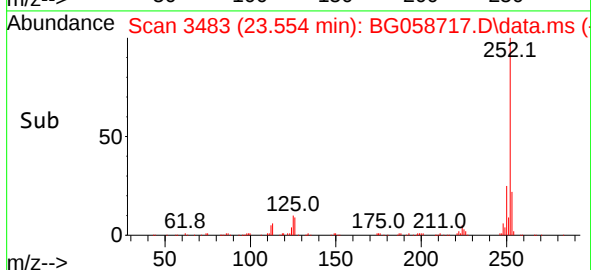
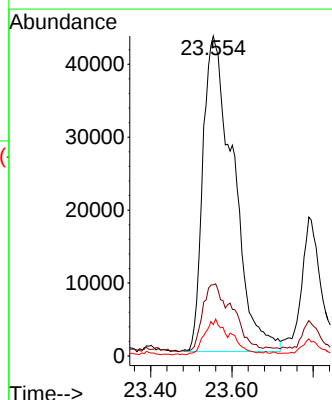
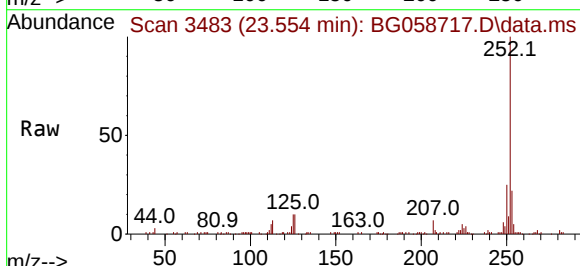
Tgt Ion:252 Resp: 225009

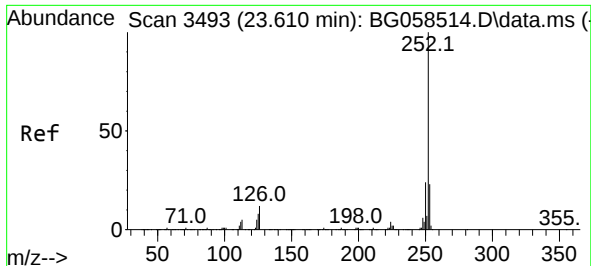
Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

125 9.8 6.6 9.8

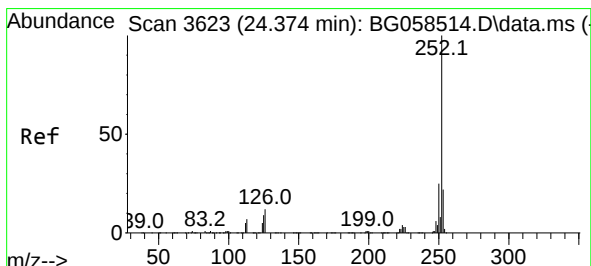
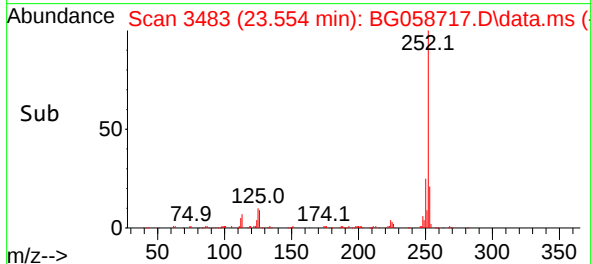
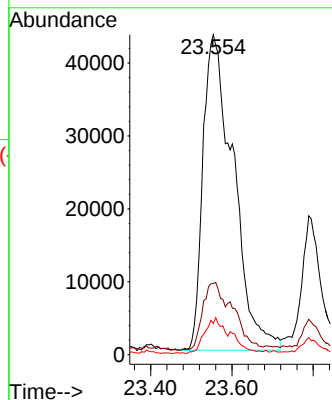
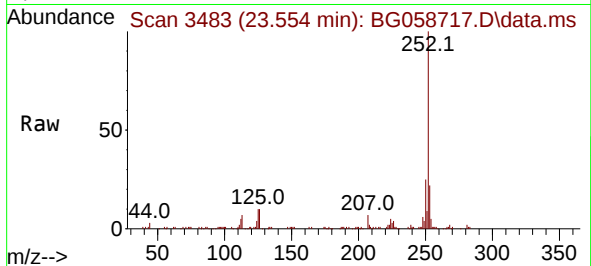




#89
Benzo(k)fluoranthene
Concen: 12.970 ng
RT: 23.554 min Scan# 34
Delta R.T. -0.056 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

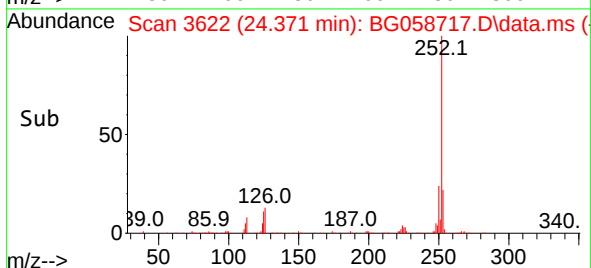
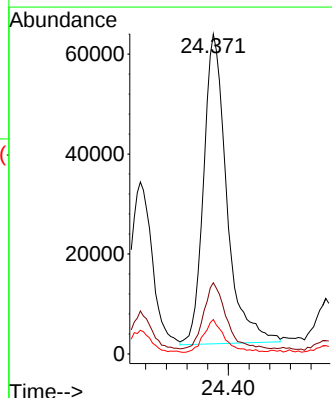
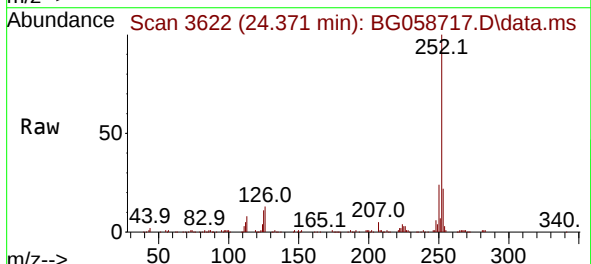
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z46-47DL

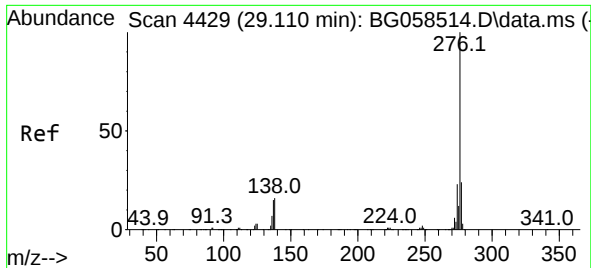
Tgt Ion:252 Resp: 225009
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 9.8 6.6 10.0



#90
Benzo(a)pyrene
Concen: 11.359 ng
RT: 24.371 min Scan# 3622
Delta R.T. -0.003 min
Lab File: BG058717.D
Acq: 14 Aug 2023 11:09

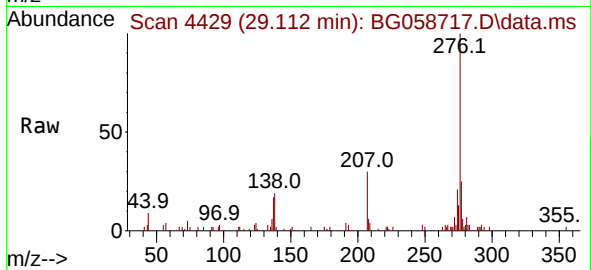
Tgt Ion:252 Resp: 192645
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 10.7 7.4 11.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.749 ng
 RT: 29.112 min Scan# 44
 Delta R.T. 0.003 min
 Lab File: BG058717.D
 Acq: 14 Aug 2023 11:09

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z46-47DL



Tgt Ion:	276	Resp:	65840
Ion Ratio	Lower	Upper	
276	100		
277	25.3	18.9	28.3
138	19.2	13.0	19.4

