

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081423\
 Data File : BG058718.D
 Acq On : 14 Aug 2023 11:50
 Operator : MA/JU
 Sample : 03958-07DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z10-12DL

Quant Time: Aug 14 12:39:32 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)

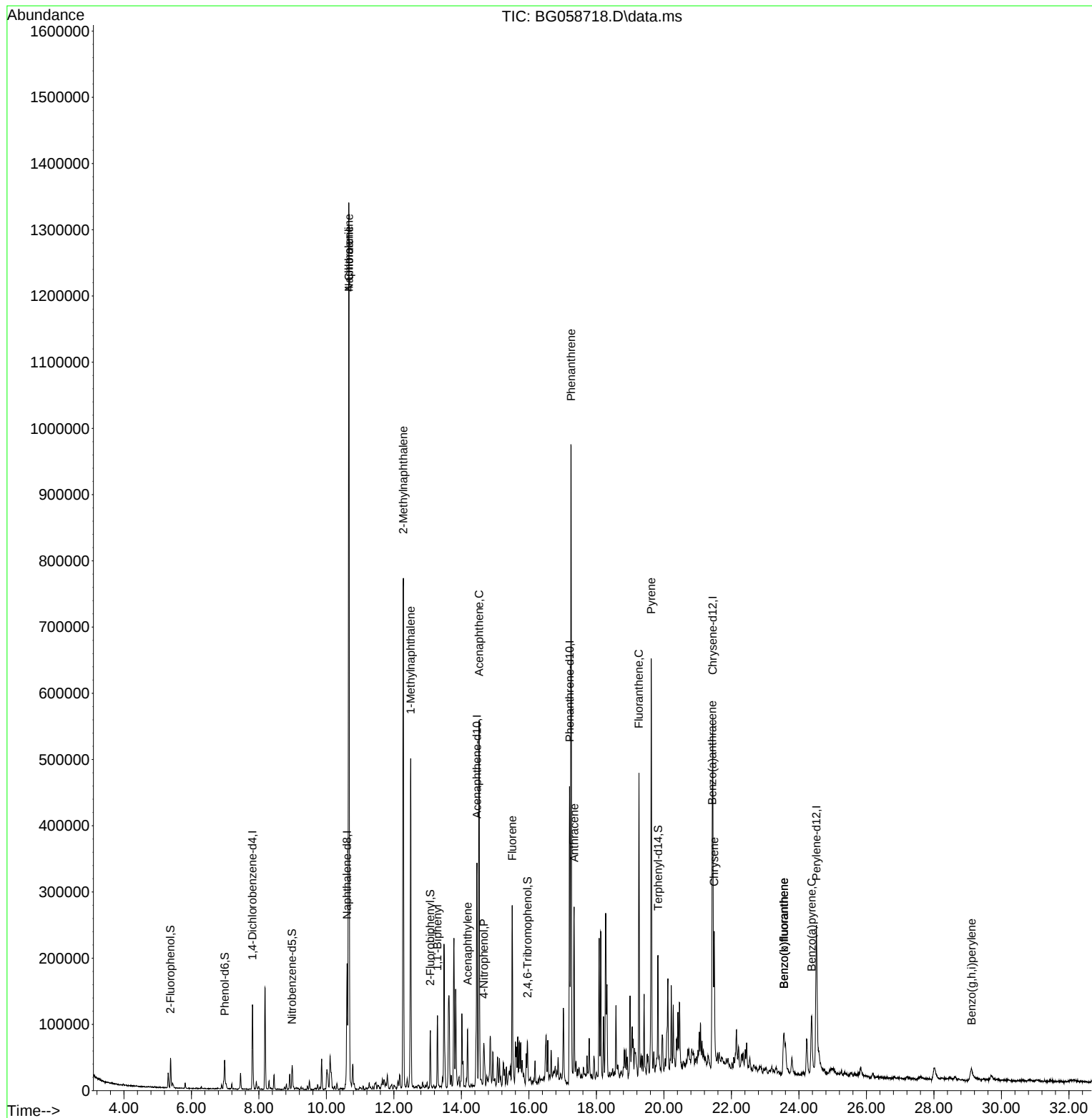
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.808	152	37751	20.000	ng	0.00
21) Naphthalene-d8	10.611	136	168161	20.000	ng	0.00
39) Acenaphthene-d10	14.459	164	121470	20.000	ng	0.00
64) Phenanthrene-d10	17.203	188	293035	20.000	ng	0.00
76) Chrysene-d12	21.445	240	256479	20.000	ng	0.00
86) Perylene-d12	24.518	264	294898	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	21979	8.899	ng	0.00
7) Phenol-d6	6.985	99	31242	9.090	ng	0.00
23) Nitrobenzene-d5	8.977	82	17847	5.214	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	13041	6.550	ng	0.00
45) 2-Fluorobiphenyl	13.078	172	48595	5.995	ng	0.00
79) Terphenyl-d14	19.823	244	91899	6.738	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.663	128	1127320	127.193	ng	100
33) 4-Chloroaniline	10.663	127	153111	40.888	ng	# 32
37) 2-Methylnaphthalene	12.279	142	380400	60.001	ng	99
38) 1-Methylnaphthalene	12.497	142	238523	39.579	ng	98
46) 1,1'-Biphenyl	13.290	154	56034	6.717	ng	98
49) Acenaphthylene	14.183	152	24162	2.219	ng	# 83
52) Acenaphthene	14.524	154	202814	32.232	ng	99
56) 4-Nitrophenol	14.665	139	2835	5.156	ng	# 20
58) Fluorene	15.505	166	123911	14.426	ng	98
71) Phenanthrene	17.250	178	622689	44.807	ng	99
72) Anthracene	17.338	178	166475	11.675	ng	99
75) Fluoranthene	19.259	202	271685	16.275	ng	100
78) Pyrene	19.624	202	418850	23.996	ng	99
81) Benzo(a)anthracene	21.427	228	157989	8.951	ng	99
83) Chrysene	21.486	228	138774	8.200	ng	99
88) Benzo(b)fluoranthene	23.554	252	96025	6.004	ng	96
89) Benzo(k)fluoranthene	23.554	252	96025	5.976	ng	96
90) Benzo(a)pyrene	24.377	252	108840	6.929	ng	97
92) Benzo(g,h,i)perylene	29.112	276	40147	2.468	ng	96

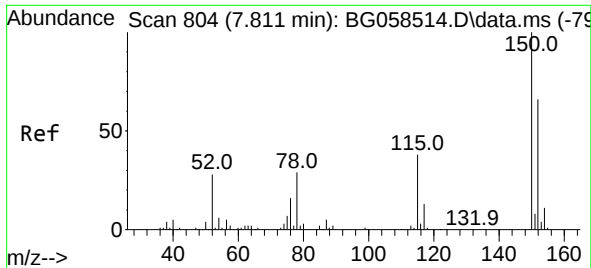
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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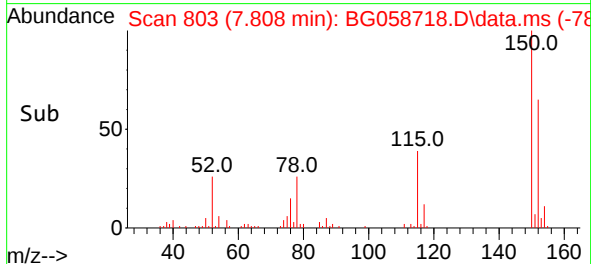
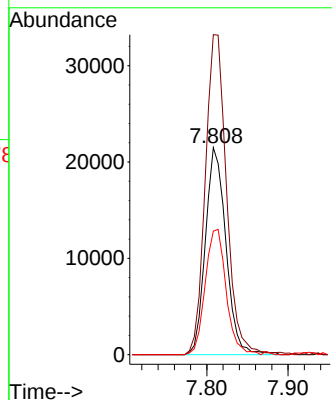
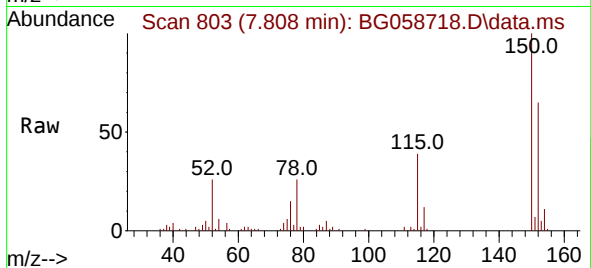




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.808 min Scan# 804
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

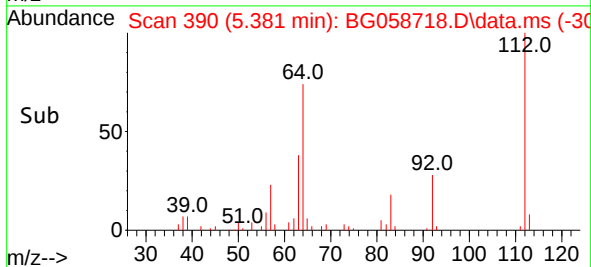
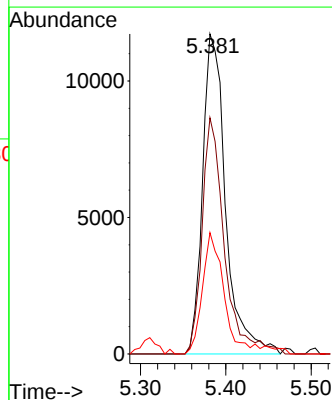
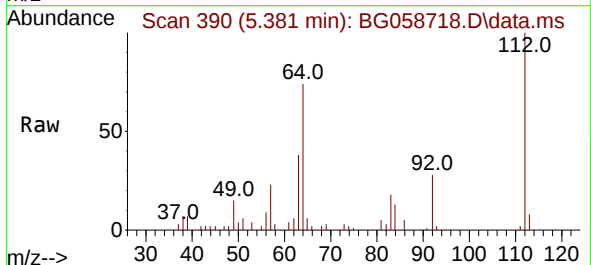
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL

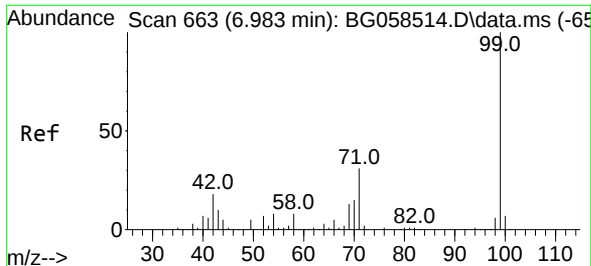
Tgt Ion:152 Resp: 37751
Ion Ratio Lower Upper
152 100
150 154.5 120.5 180.7
115 59.6 45.9 68.9



#5
2-Fluorophenol
Concen: 8.899 ng
RT: 5.381 min Scan# 390
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

Tgt Ion:112 Resp: 21979
Ion Ratio Lower Upper
112 100
64 73.8 55.3 82.9
63 37.9 28.3 42.5

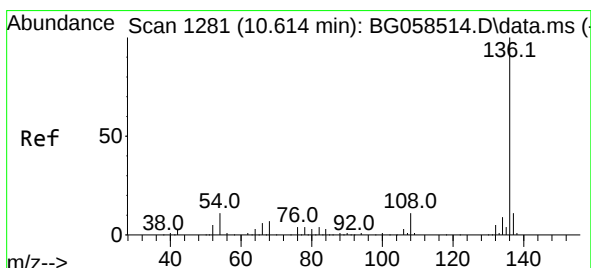
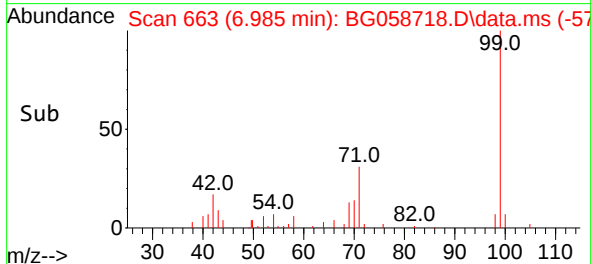
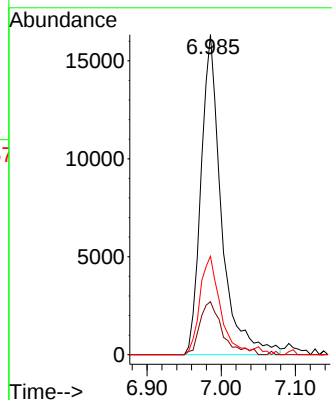
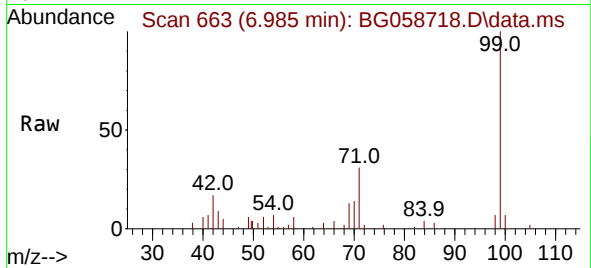




#7
Phenol-d6
Concen: 9.090 ng
RT: 6.985 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

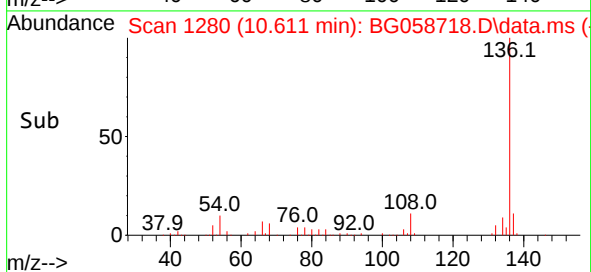
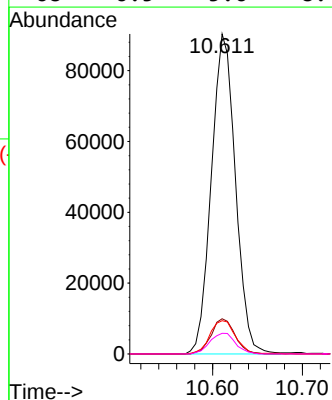
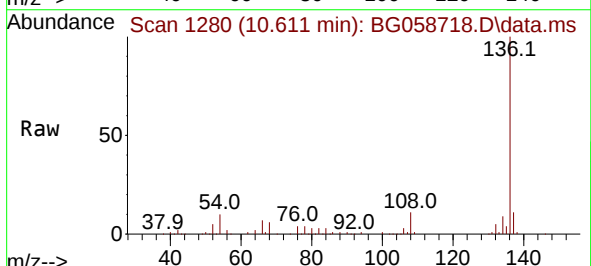
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL

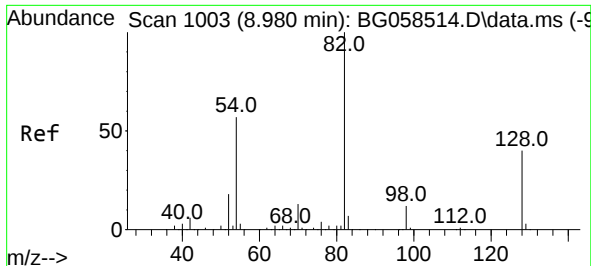
Tgt Ion: 99 Resp: 31242
Ion Ratio Lower Upper
99 100
42 16.5 14.6 21.8
71 30.7 25.0 37.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.611 min Scan# 1280
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

Tgt Ion:136 Resp: 168161
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.4 8.9 13.3
68 6.5 5.6 8.4





#23

Nitrobenzene-d5

Concen: 5.214 ng

RT: 8.977 min Scan# 1002

Delta R.T. -0.003 min

Lab File: BG058718.D

Acq: 14 Aug 2023 11:50

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z10-12DL

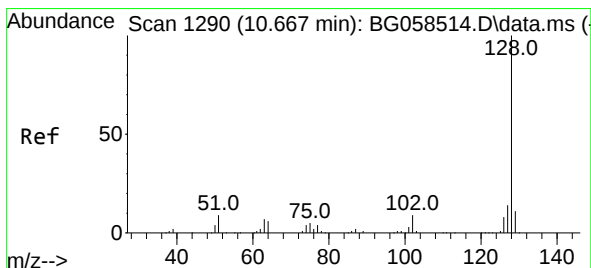
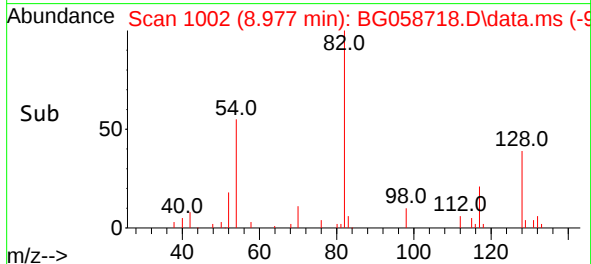
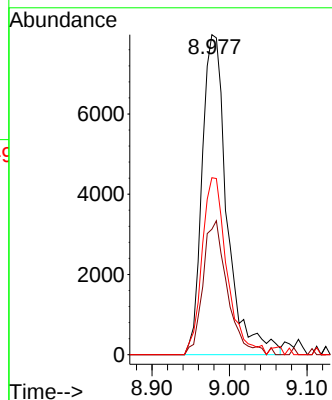
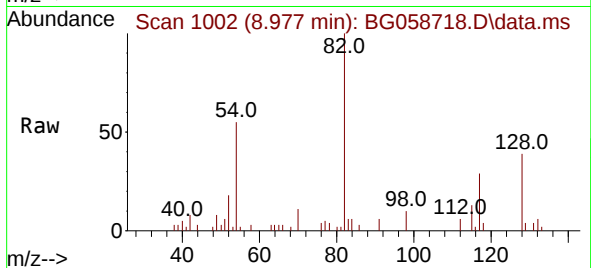
Tgt Ion: 82 Resp: 17847

Ion Ratio Lower Upper

82 100

128 39.2 32.2 48.2

54 55.3 46.0 69.0



#31

Naphthalene

Concen: 127.193 ng

RT: 10.663 min Scan# 1289

Delta R.T. -0.003 min

Lab File: BG058718.D

Acq: 14 Aug 2023 11:50

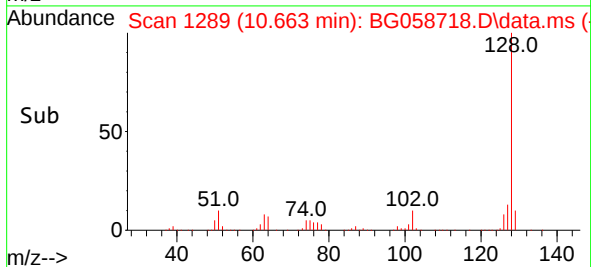
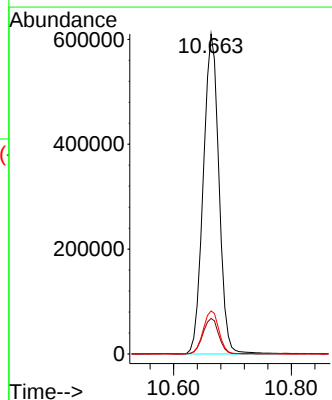
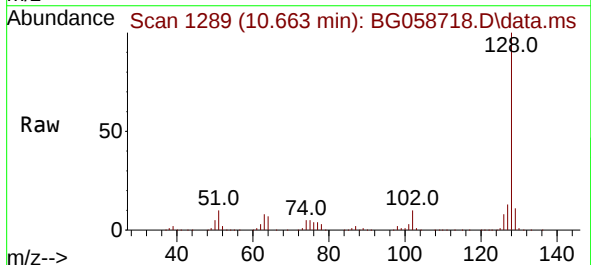
Tgt Ion:128 Resp: 1127320

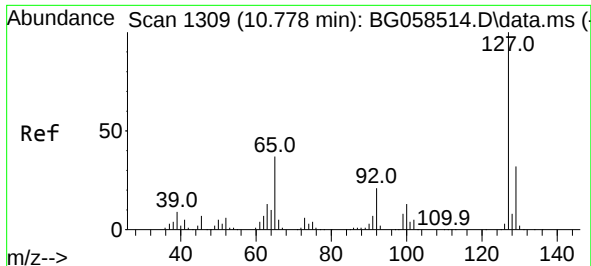
Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

127 13.4 10.9 16.3

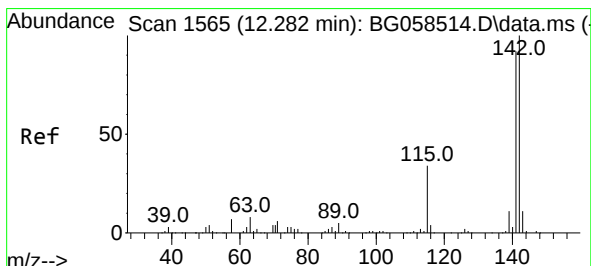
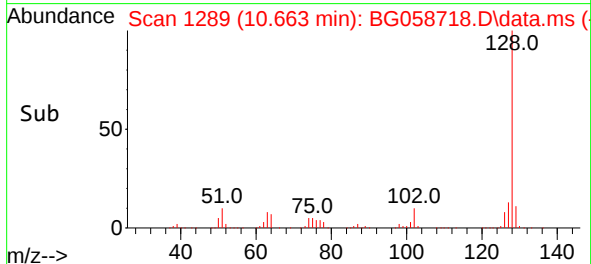
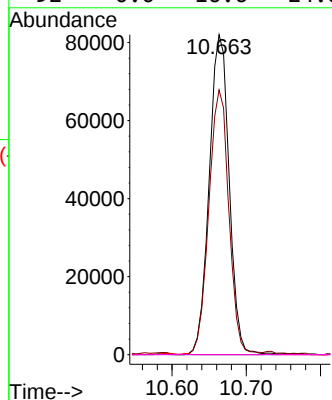
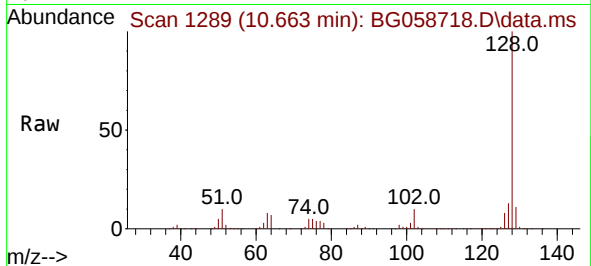




#33
4-Chloroaniline
Concen: 40.888 ng
RT: 10.663 min Scan# 11
Delta R.T. -0.115 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

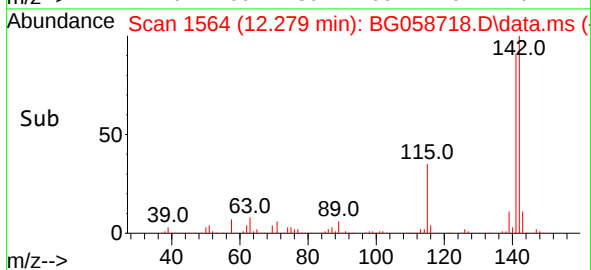
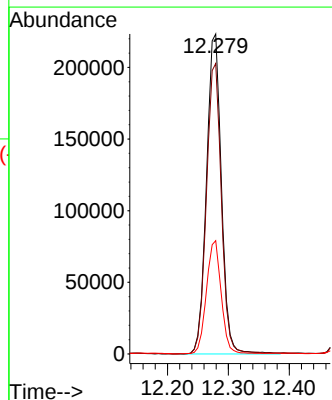
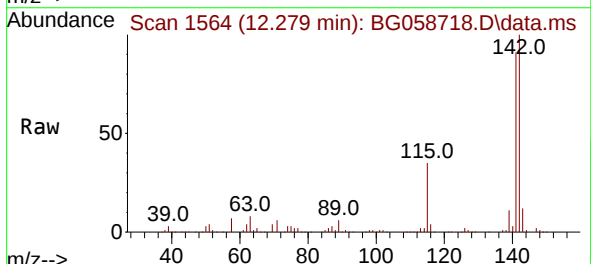
Instrument :
BNA_G
ClientSampleId :
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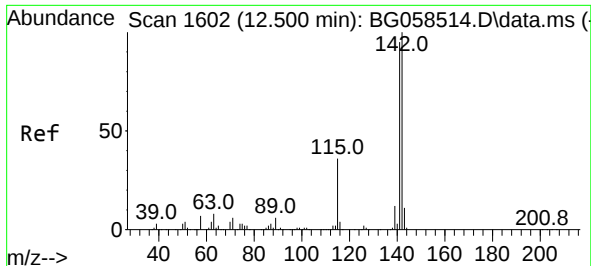
Tgt Ion:	127	Resp:	153111
Ion	Ratio	Lower	Upper
127	100		
129	82.7	25.4	38.2#
65	0.0	29.5	44.3#
92	0.0	16.6	24.8#



#37
2-Methylnaphthalene
Concen: 60.001 ng
RT: 12.279 min Scan# 1564
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

Tgt Ion:	142	Resp:	380400
Ion	Ratio	Lower	Upper
142	100		
141	90.7	73.5	110.3
115	35.4	27.4	41.0

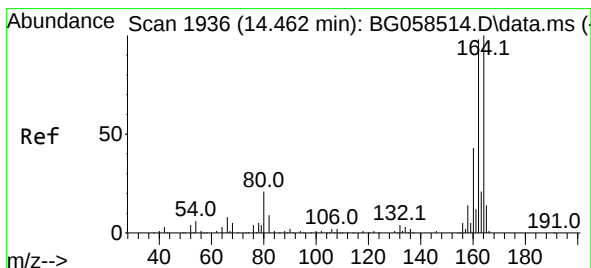
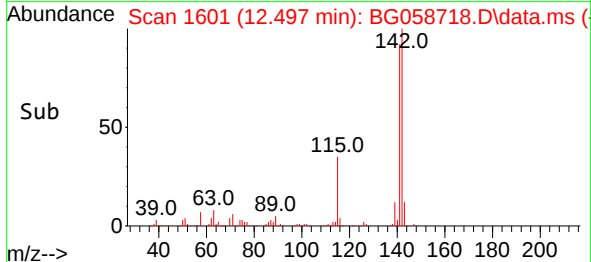
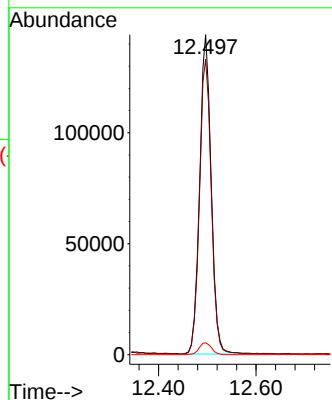
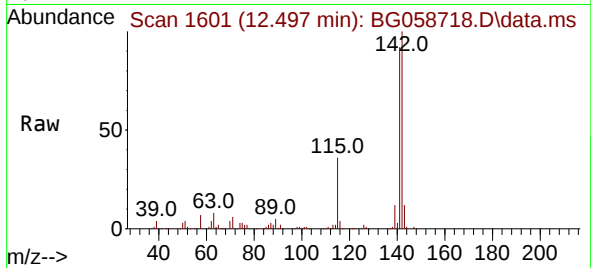




#38
1-Methylnaphthalene
Concen: 39.579 ng
RT: 12.497 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

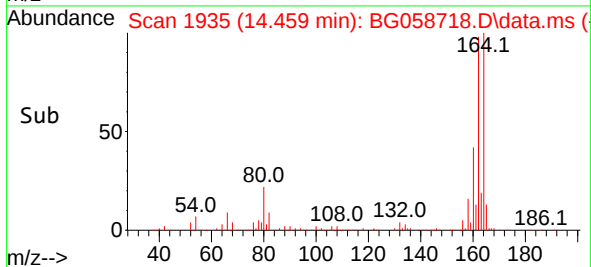
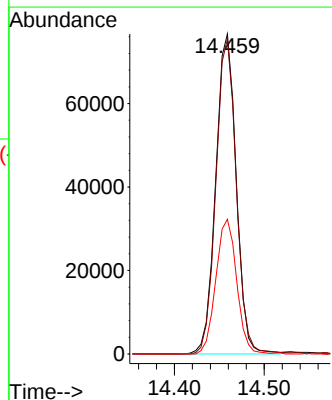
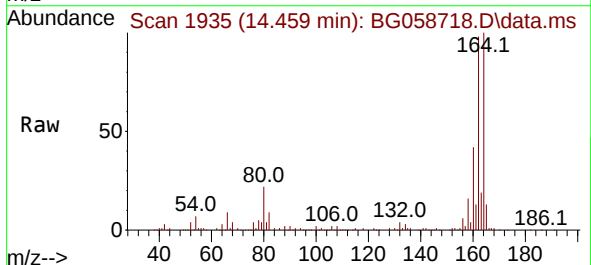
Instrument :
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NEVINS-SB02-Z10-12DL

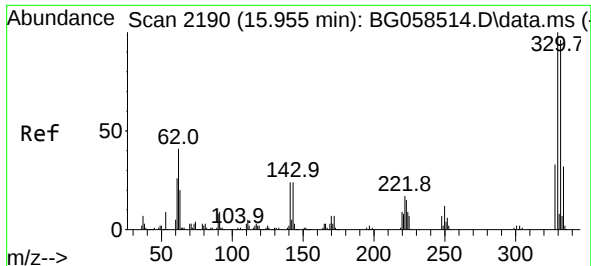
Tgt Ion:142 Resp: 238523
Ion Ratio Lower Upper
142 100
141 92.3 75.7 113.5
116 3.7 3.2 4.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.459 min Scan# 1935
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

Tgt Ion:164 Resp: 121470
Ion Ratio Lower Upper
164 100
162 98.4 78.3 117.5
160 42.1 34.1 51.1

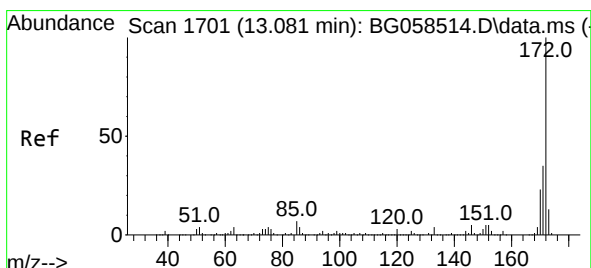
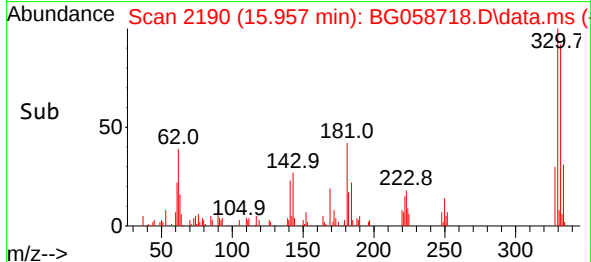
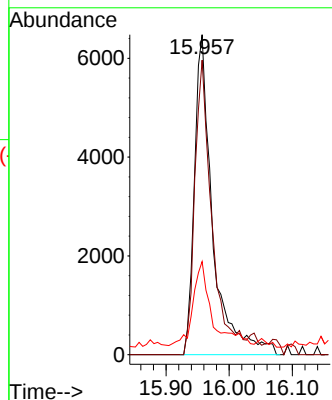
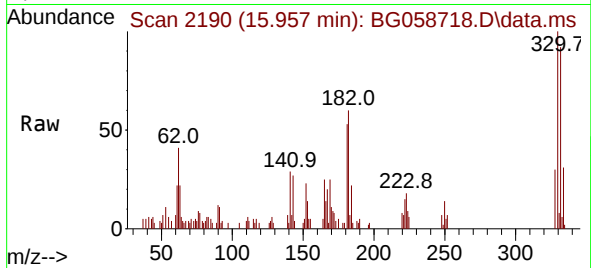




#42
2,4,6-Tribromophenol
Concen: 6.550 ng
RT: 15.957 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

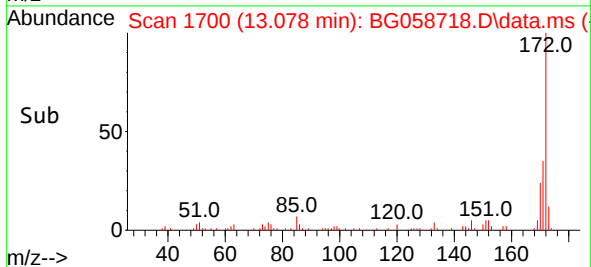
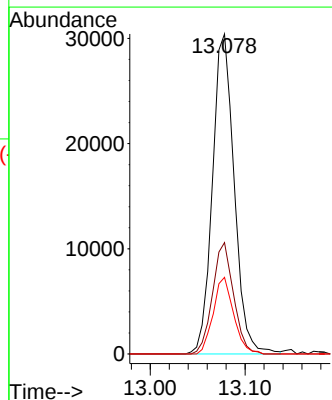
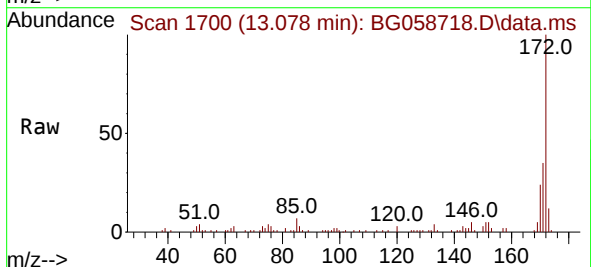
Instrument :
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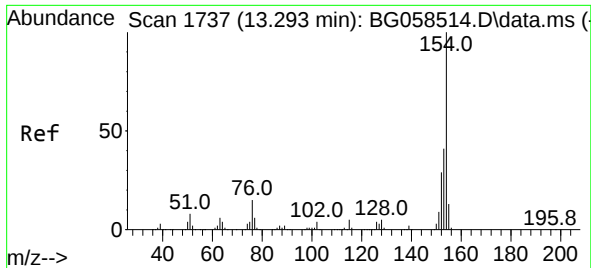
Tgt Ion:330 Resp: 13041
Ion Ratio Lower Upper
330 100
332 86.7 77.5 116.3
141 28.5 20.7 31.1



#45
2-Fluorobiphenyl
Concen: 5.995 ng
RT: 13.078 min Scan# 1700
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

Tgt Ion:172 Resp: 48595
Ion Ratio Lower Upper
172 100
171 34.8 28.0 42.0
170 24.0 18.4 27.6

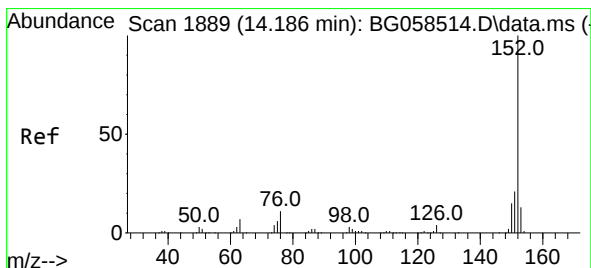
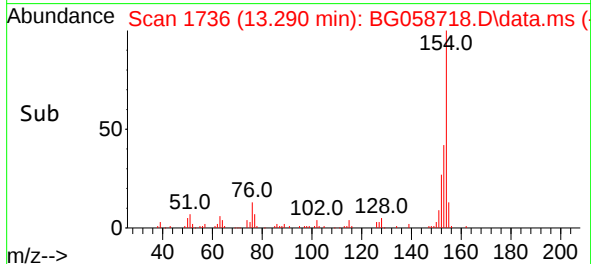
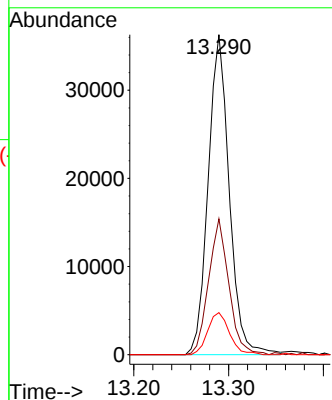
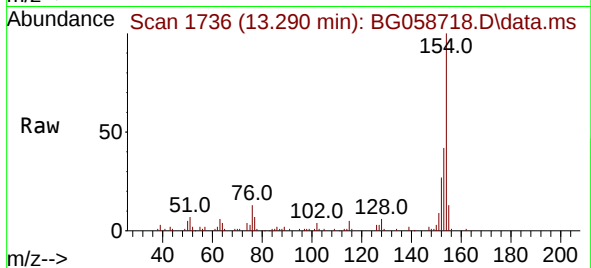




#46
1,1'-Biphenyl
Concen: 6.717 ng
RT: 13.290 min Scan# 1737
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

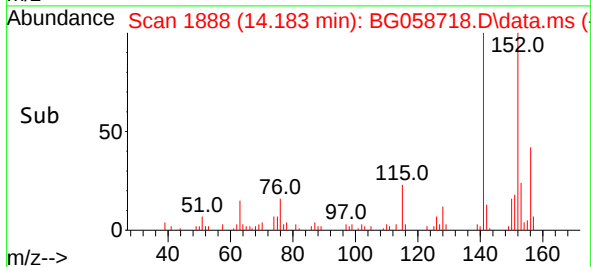
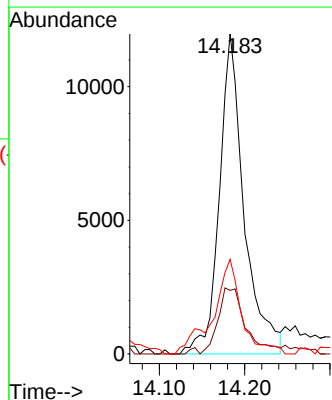
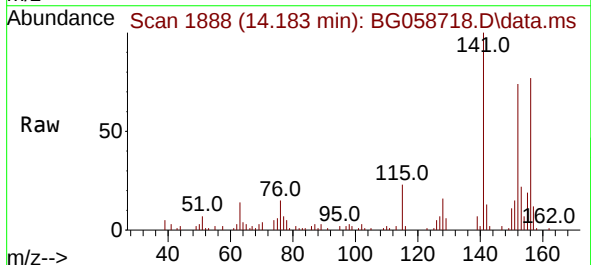
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BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL

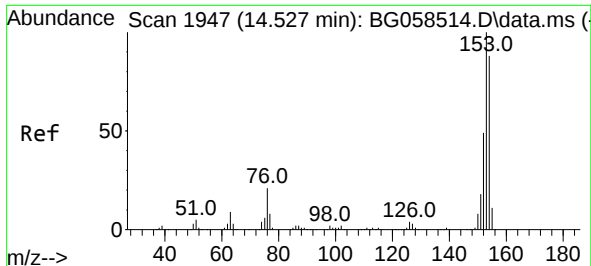
Tgt Ion:154 Resp: 56034
Ion Ratio Lower Upper
154 100
153 42.4 21.2 61.2
76 13.2 0.0 34.7



#49
Acenaphthylene
Concen: 2.219 ng
RT: 14.183 min Scan# 1888
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

Tgt Ion:152 Resp: 24162
Ion Ratio Lower Upper
152 100
151 19.8 16.5 24.7
153 29.6 10.7 16.1#

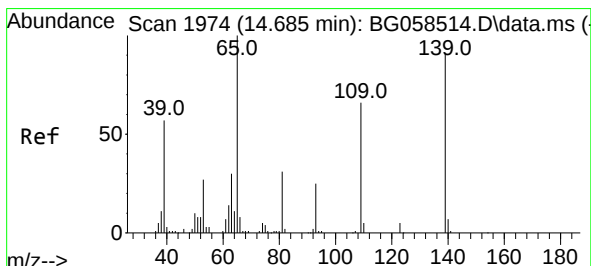
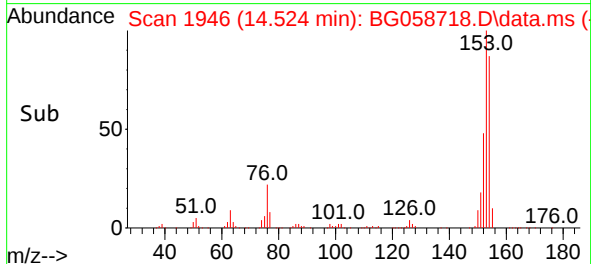
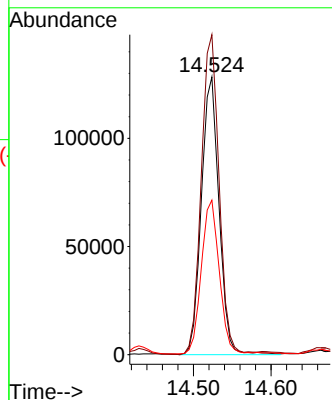
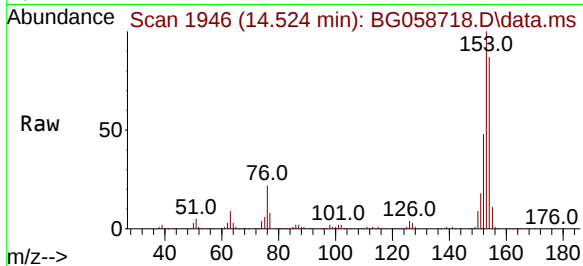




#52
Acenaphthene
Concen: 32.232 ng
RT: 14.524 min Scan# 1946
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

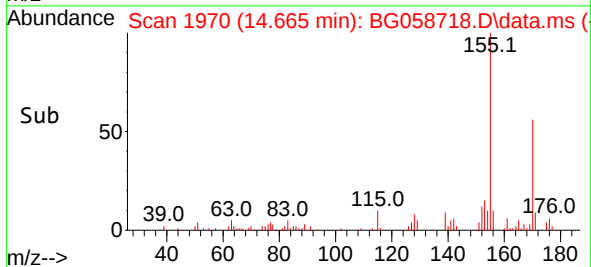
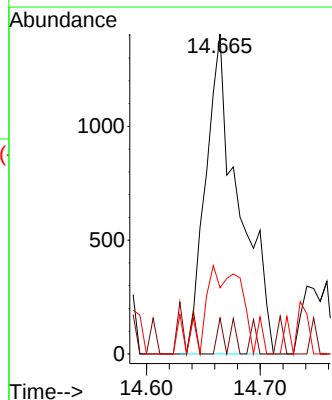
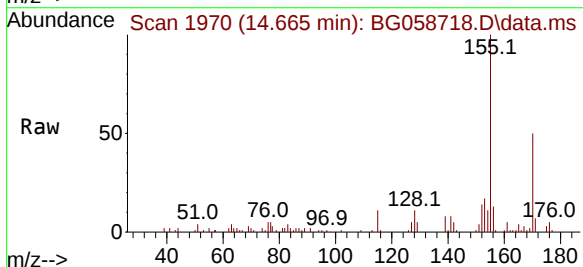
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL

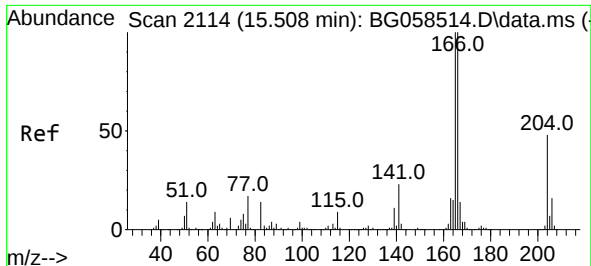
Tgt Ion:154 Resp: 202814
Ion Ratio Lower Upper
154 100
153 115.2 91.1 136.7
152 55.6 44.6 66.8



#56
4-Nitrophenol
Concen: 5.156 ng
RT: 14.665 min Scan# 1970
Delta R.T. -0.020 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

Tgt Ion:139 Resp: 2835
Ion Ratio Lower Upper
139 100
109 11.2 52.5 92.5#
65 20.7 90.5 130.5#

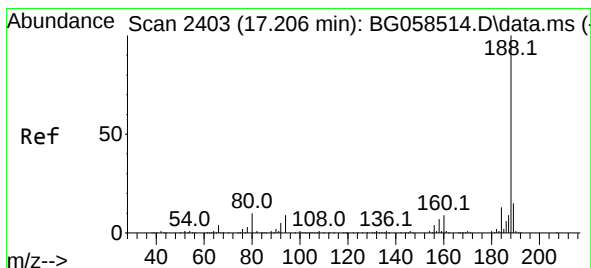
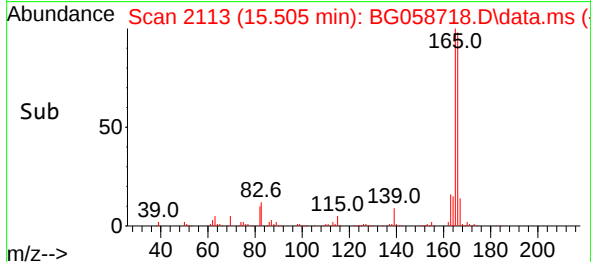
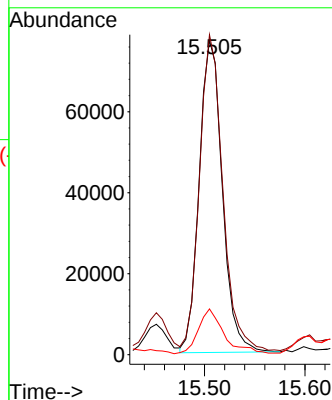
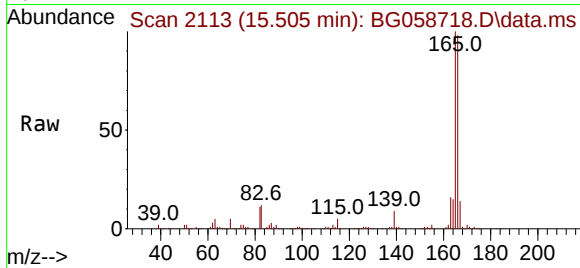




#58
 Fluorene
 Concen: 14.426 ng
 RT: 15.505 min Scan# 2113
 Delta R.T. -0.003 min
 Lab File: BG058718.D
 Acq: 14 Aug 2023 11:50

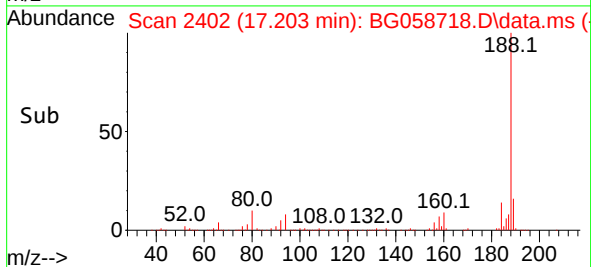
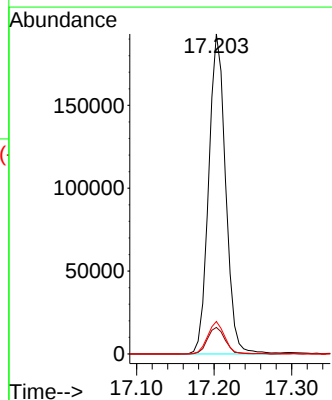
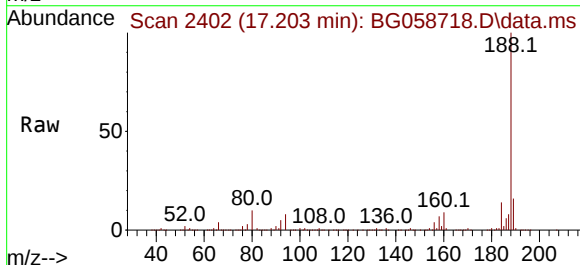
Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z10-12DL

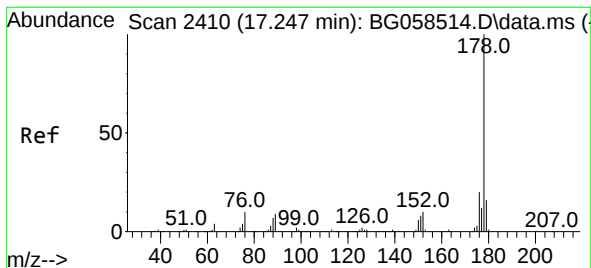
Tgt Ion:166 Resp: 123911
 Ion Ratio Lower Upper
 166 100
 165 101.8 80.0 120.0
 167 14.5 11.3 16.9



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.203 min Scan# 2402
 Delta R.T. -0.003 min
 Lab File: BG058718.D
 Acq: 14 Aug 2023 11:50

Tgt Ion:188 Resp: 293035
 Ion Ratio Lower Upper
 188 100
 94 8.3 7.0 10.6
 80 10.1 8.1 12.1





#71

Phenanthrene

Concen: 44.807 ng

RT: 17.250 min Scan# 2410

Delta R.T. 0.003 min

Lab File: BG058718.D

Acq: 14 Aug 2023 11:50

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z10-12DL

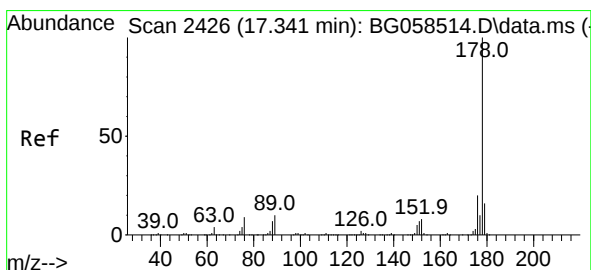
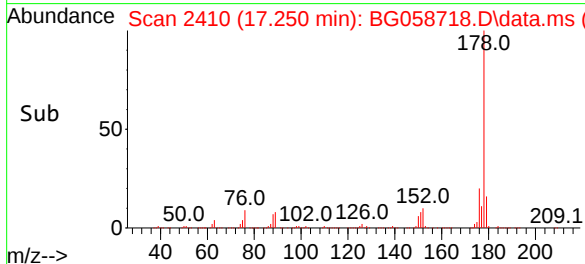
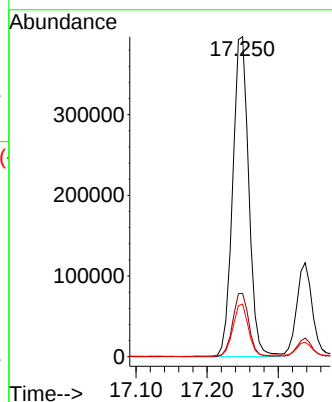
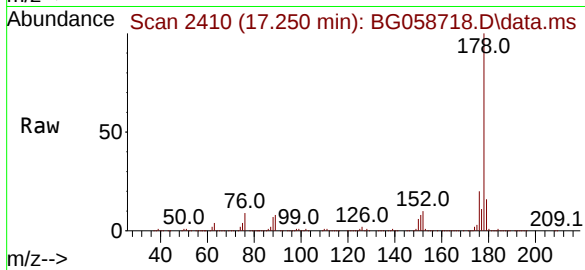
Tgt Ion:178 Resp: 622689

Ion Ratio Lower Upper

178 100

176 19.7 16.3 24.5

179 16.5 13.1 19.7



#72

Anthracene

Concen: 11.675 ng

RT: 17.338 min Scan# 2425

Delta R.T. -0.003 min

Lab File: BG058718.D

Acq: 14 Aug 2023 11:50

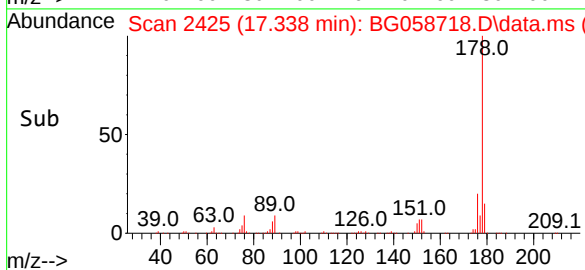
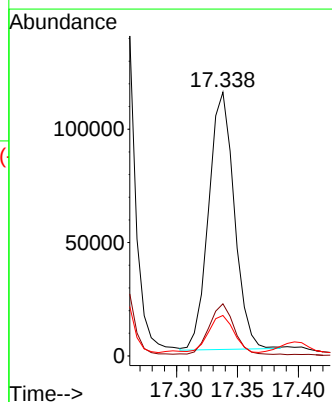
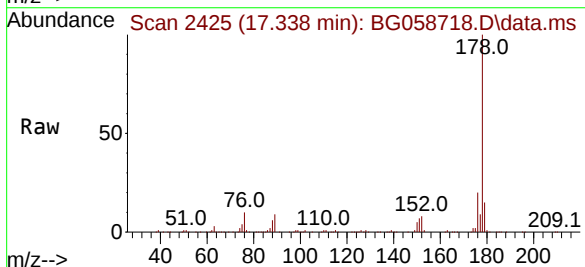
Tgt Ion:178 Resp: 166475

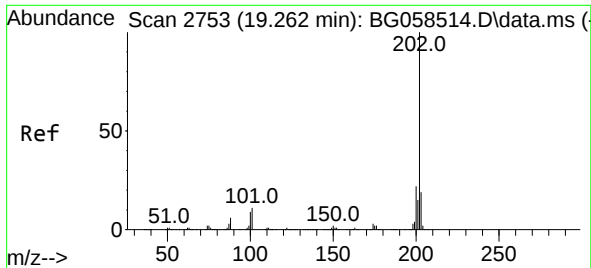
Ion Ratio Lower Upper

178 100

176 19.8 16.0 24.0

179 15.3 12.9 19.3

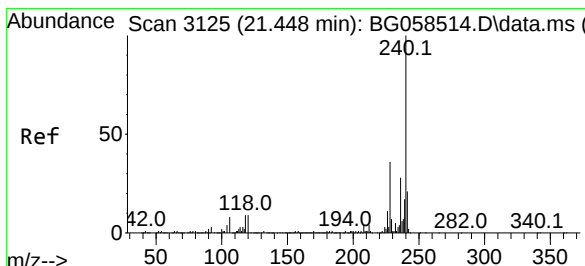
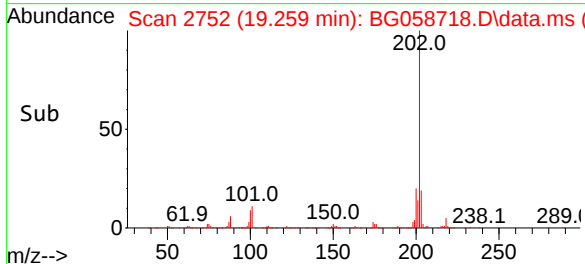
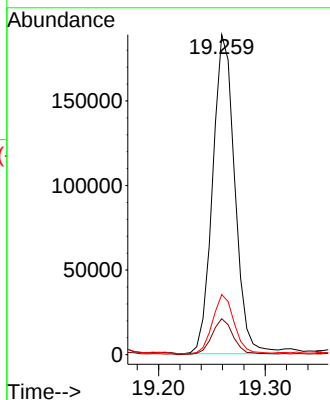
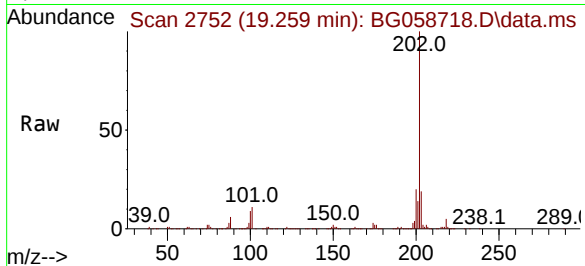




#75
Fluoranthene
Concen: 16.275 ng
RT: 19.259 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

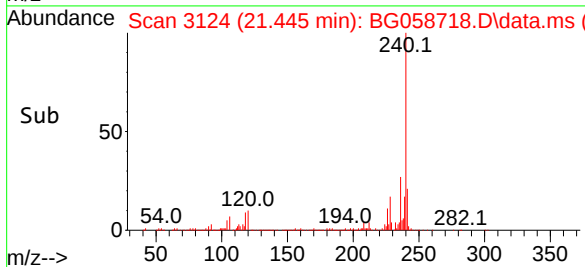
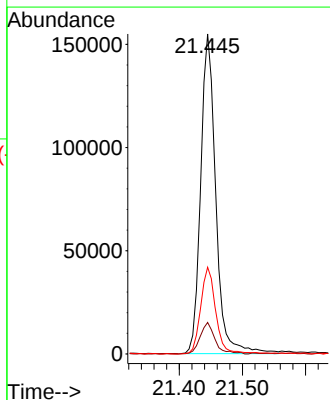
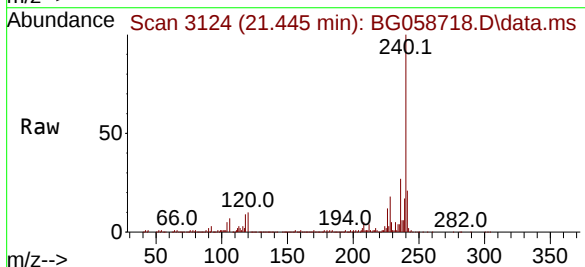
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL

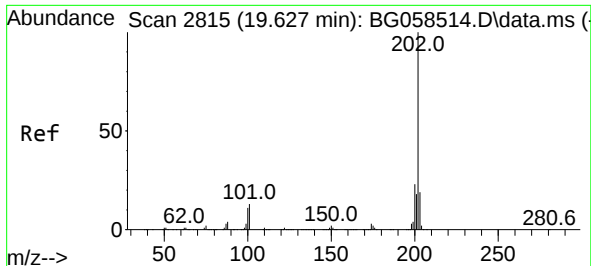
Tgt Ion:202 Resp: 271685
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.4
203 18.8 0.0 39.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3124
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

Tgt Ion:240 Resp: 256479
Ion Ratio Lower Upper
240 100
120 9.9 7.4 11.0
236 27.1 22.2 33.4

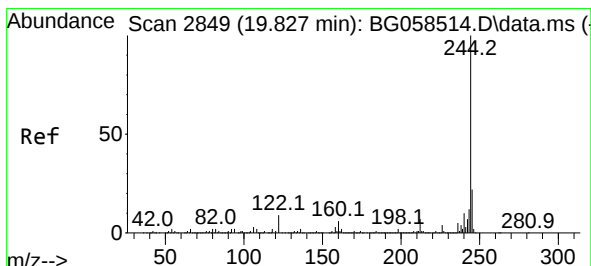
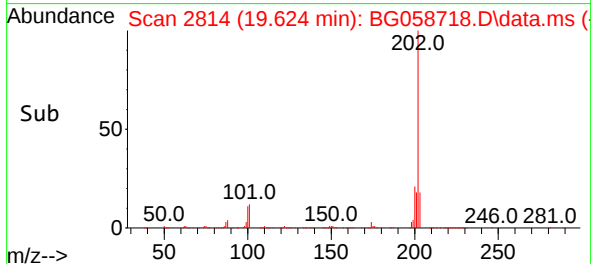
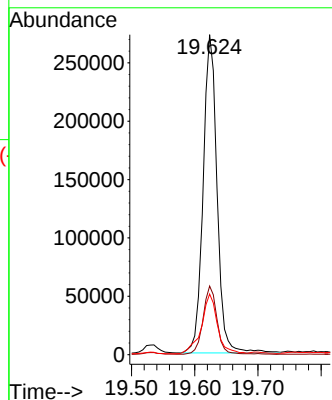
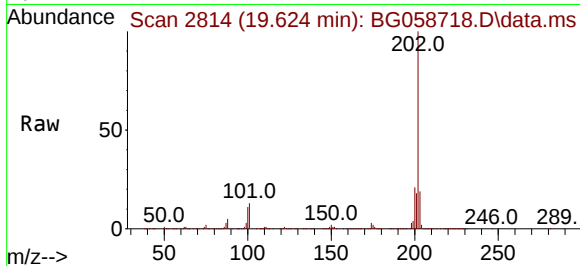




#78
 Pyrene
 Concen: 23.996 ng
 RT: 19.624 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG058718.D
 Acq: 14 Aug 2023 11:50

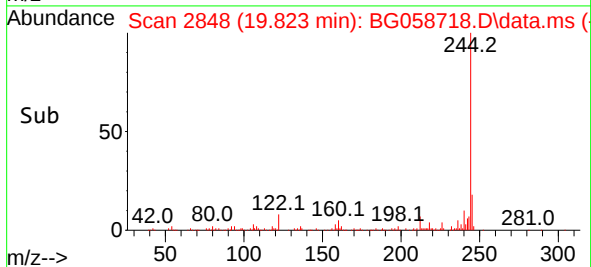
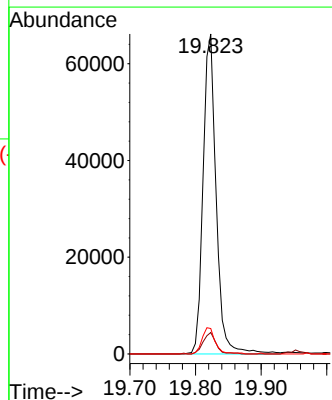
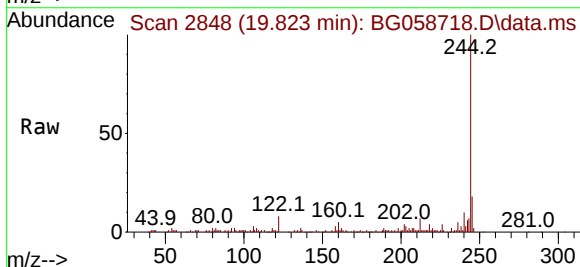
Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z10-12DL

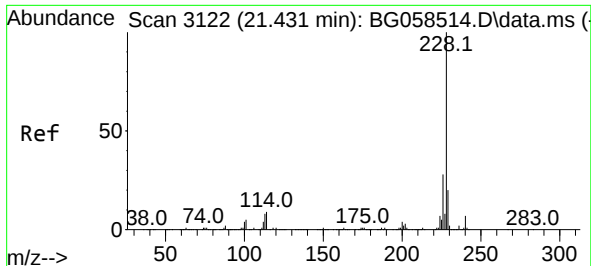
Tgt Ion:202 Resp: 418850
 Ion Ratio Lower Upper
 202 100
 200 21.5 18.2 27.2
 203 19.0 15.1 22.7



#79
 Terphenyl-d14
 Concen: 6.738 ng
 RT: 19.823 min Scan# 2848
 Delta R.T. -0.003 min
 Lab File: BG058718.D
 Acq: 14 Aug 2023 11:50

Tgt Ion:244 Resp: 91899
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.9 8.9
 122 7.9 6.8 10.2

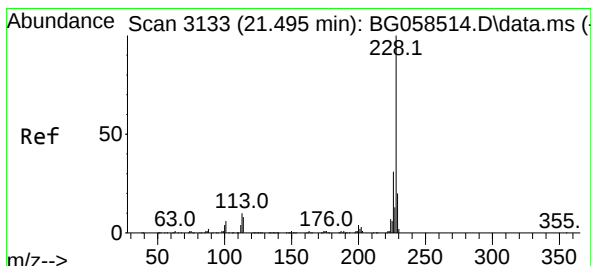
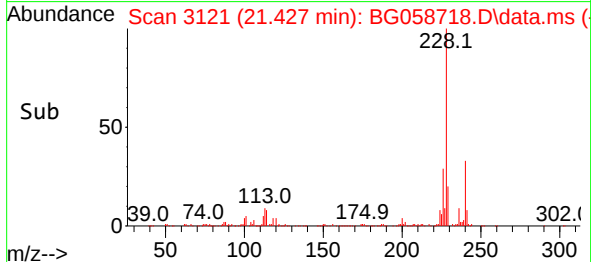
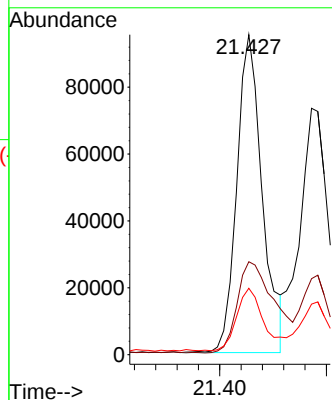
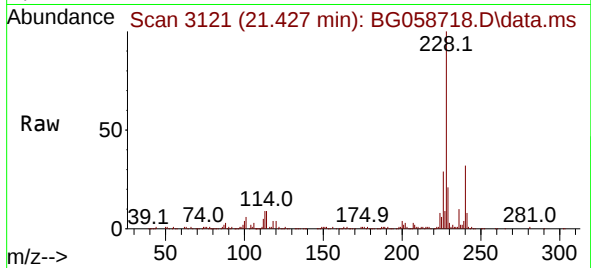




#81
Benzo(a)anthracene
Concen: 8.951 ng
RT: 21.427 min Scan# 3121
Delta R.T. -0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

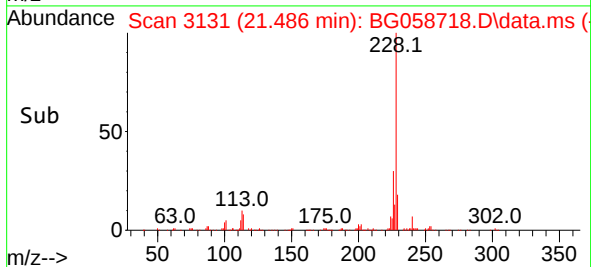
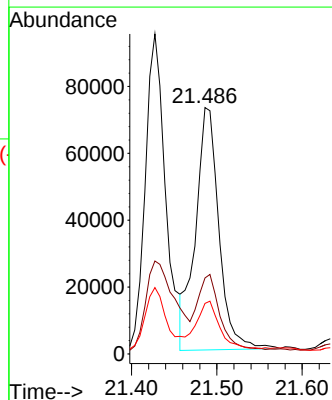
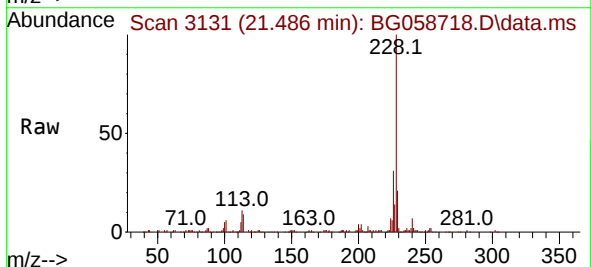
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL

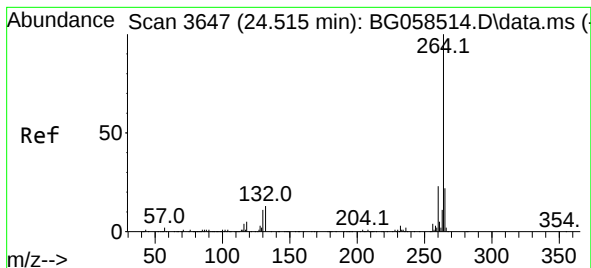
Tgt Ion:228 Resp: 157989
Ion Ratio Lower Upper
228 100
226 29.0 22.6 33.8
229 20.8 16.3 24.5



#83
Chrysene
Concen: 8.200 ng
RT: 21.486 min Scan# 3131
Delta R.T. -0.009 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

Tgt Ion:228 Resp: 138774
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.6
229 20.5 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.518 min Scan# 3

Delta R.T. 0.003 min

Lab File: BG058718.D

Acq: 14 Aug 2023 11:50

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z10-12DL

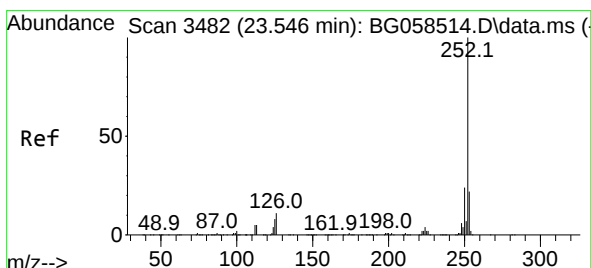
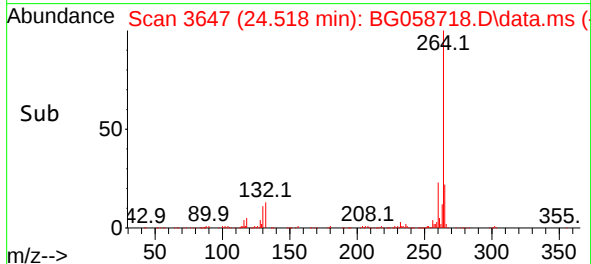
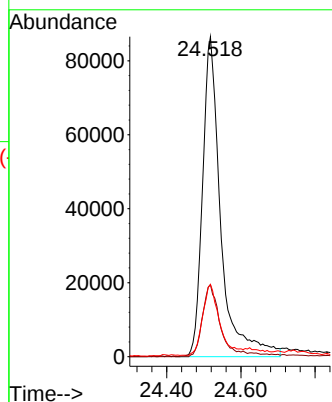
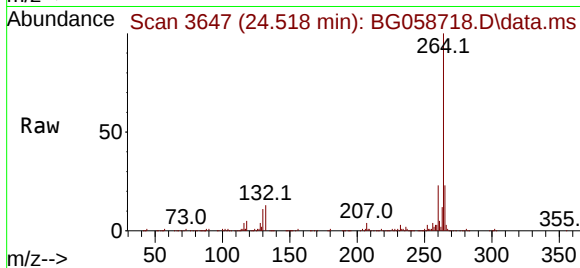
Tgt Ion:264 Resp: 294898

Ion Ratio Lower Upper

264 100

260 22.5 18.4 27.6

265 22.6 17.9 26.9



#88

Benzo(b)fluoranthene

Concen: 6.004 ng

RT: 23.554 min Scan# 3483

Delta R.T. 0.009 min

Lab File: BG058718.D

Acq: 14 Aug 2023 11:50

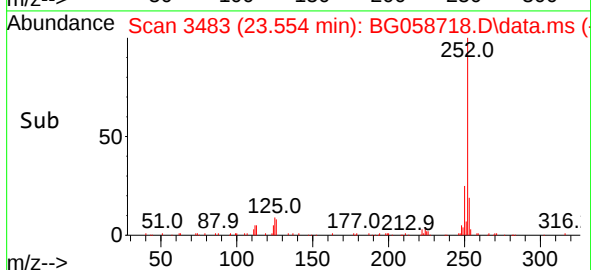
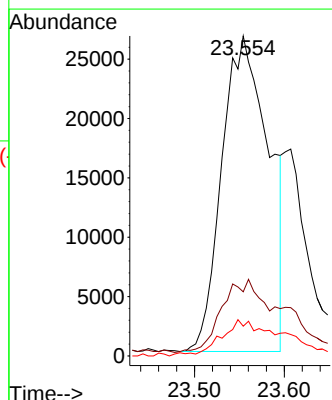
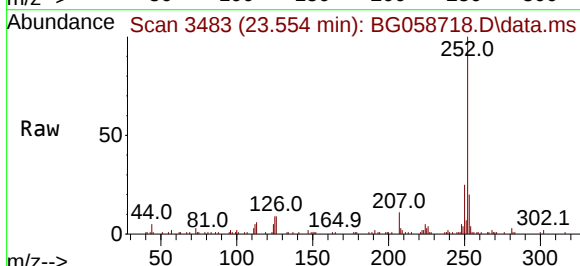
Tgt Ion:252 Resp: 96025

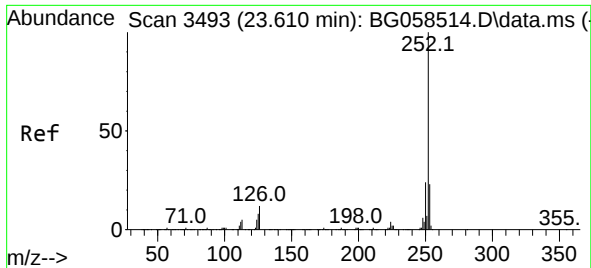
Ion Ratio Lower Upper

252 100

253 20.1 17.8 26.8

125 9.3 6.6 9.8

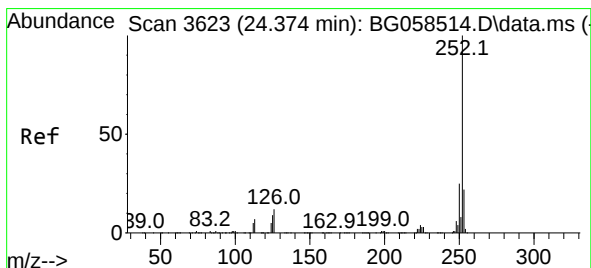
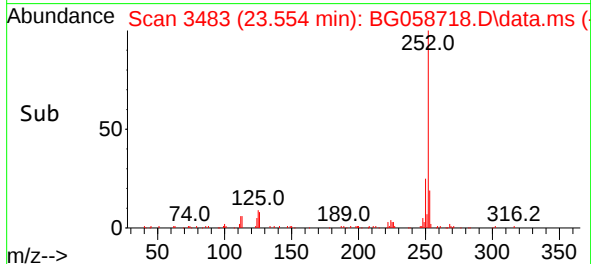
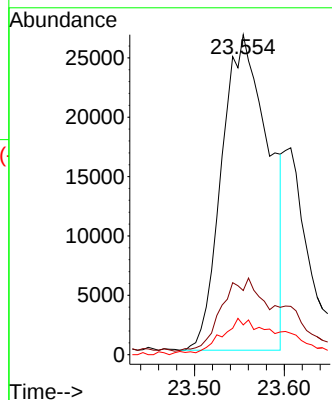
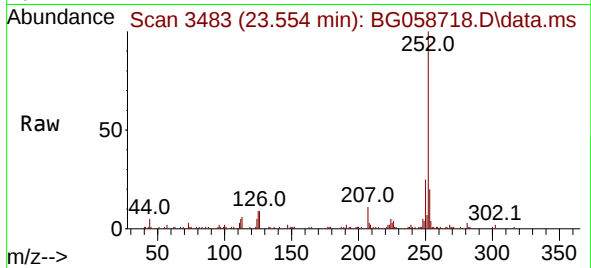




#89
Benzo(k)fluoranthene
Concen: 5.976 ng
RT: 23.554 min Scan# 34
Delta R.T. -0.056 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

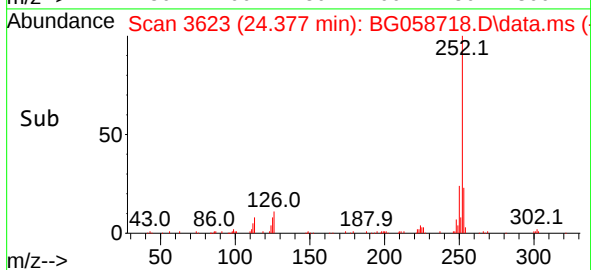
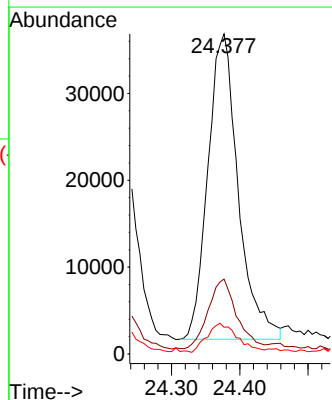
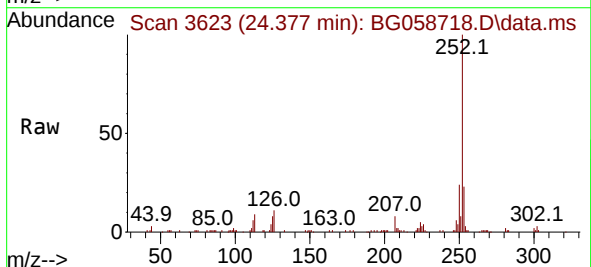
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL

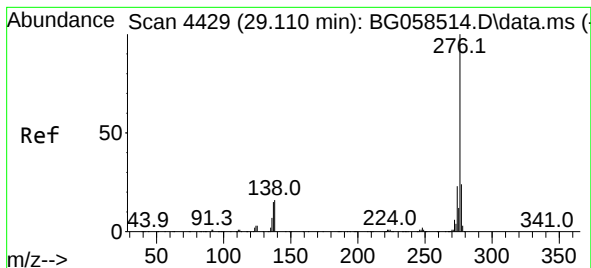
Tgt Ion:252 Resp: 96025
Ion Ratio Lower Upper
252 100
253 20.1 17.9 26.9
125 9.3 6.6 10.0



#90
Benzo(a)pyrene
Concen: 6.929 ng
RT: 24.377 min Scan# 3623
Delta R.T. 0.003 min
Lab File: BG058718.D
Acq: 14 Aug 2023 11:50

Tgt Ion:252 Resp: 108840
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 8.4 7.4 11.2





#92

Benzo(g,h,i)perylene

Concen: 2.468 ng

RT: 29.112 min Scan# 44

Delta R.T. 0.003 min

Lab File: BG058718.D

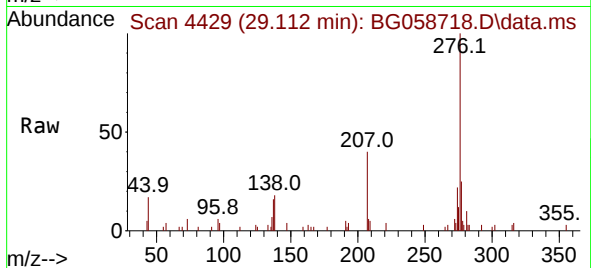
Acq: 14 Aug 2023 11:50

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z10-12DL



Tgt Ion:276 Resp: 40147

Ion Ratio Lower Upper

276 100

277 24.8 18.9 28.3

138 18.5 13.0 19.4

