

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081423\
 Data File : BG058720.D
 Acq On : 14 Aug 2023 13:11
 Operator : MA/JU
 Sample : 03958-07DL2 50X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z10-12DL2

Quant Time: Aug 14 13:45:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 22:29:07 2023
 Response via : Initial Calibration

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

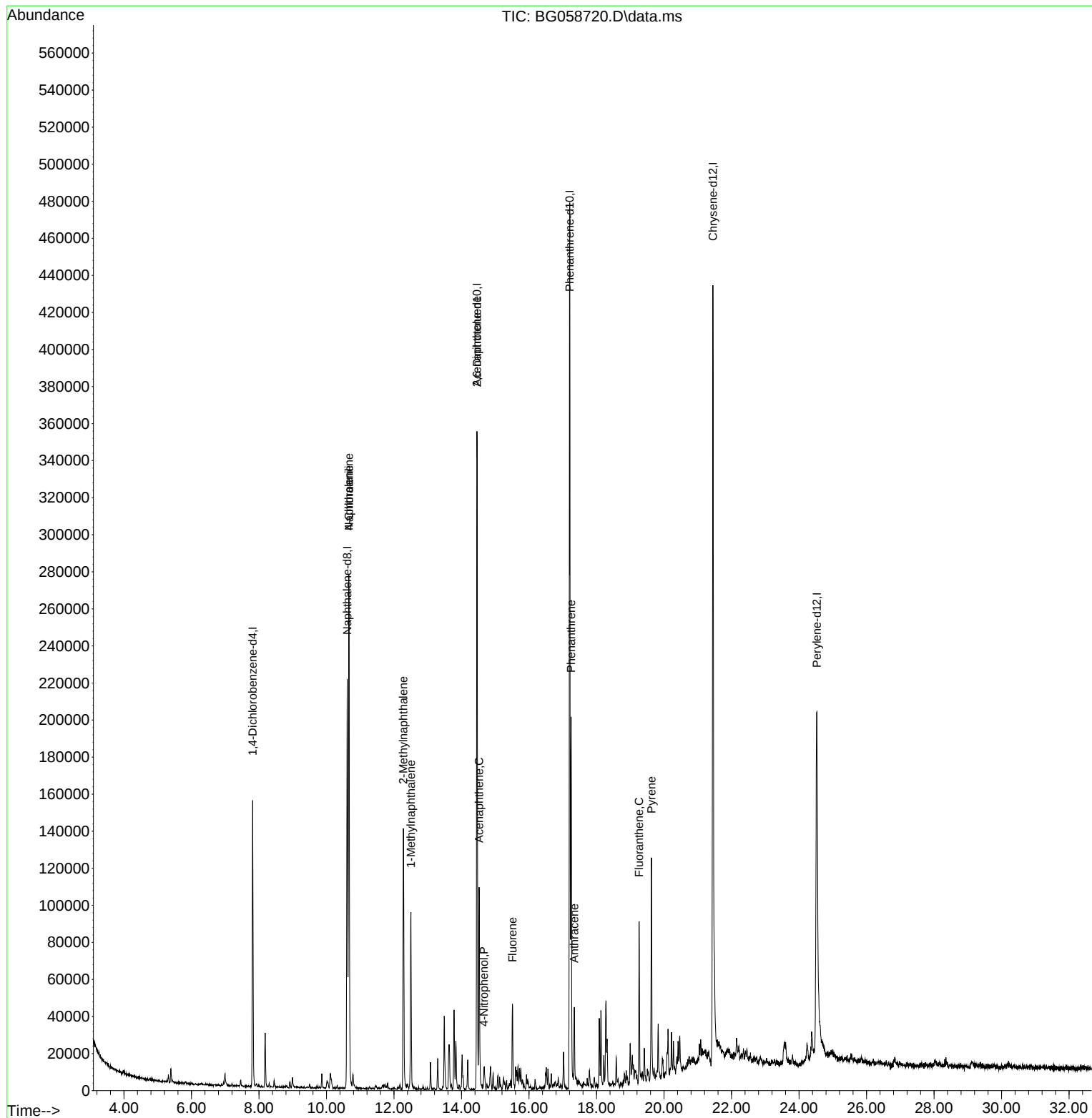
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	44558	20.000	ng	0.00
21) Naphthalene-d8	10.613	136	197172	20.000	ng	0.00
39) Acenaphthene-d10	14.456	164	136657	20.000	ng	0.00
64) Phenanthrene-d10	17.206	188	326974	20.000	ng	0.00
76) Chrysene-d12	21.448	240	272333	20.000	ng	0.00
86) Perylene-d12	24.526	264	302205	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.390	112	4028	1.382	ng	0.00
7) Phenol-d6	6.994	99	4867	1.200	ng	0.01
23) Nitrobenzene-d5	8.992	82	2637	0.657	ng	0.01
42) 2,4,6-Tribromophenol	15.978	330	1321	0.590	ng	0.02
45) 2-Fluorobiphenyl	13.081	172	9670	1.060	ng	0.00
79) Terphenyl-d14	19.826	244	17317	1.196	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.660	128	248195	23.883	ng	99
33) 4-Chloroaniline	10.660	127	32908	7.495	ng	# 31
37) 2-Methylnaphthalene	12.276	142	78928	10.618	ng	98
38) 1-Methylnaphthalene	12.499	142	50553	7.154	ng	99
51) 2,6-Dinitrotoluene	14.456	165	18547	8.236	ng	# 26
52) Acenaphthene	14.521	154	41107	5.807	ng	98
56) 4-Nitrophenol	14.662	139	558	3.645	ng	# 3
58) Fluorene	15.514	166	23878	2.471	ng	98
71) Phenanthrene	17.247	178	125889	8.118	ng	97
72) Anthracene	17.341	178	33670	2.116	ng	98
75) Fluoranthene	19.262	202	53632	2.879	ng	98
78) Pyrene	19.626	202	84295	4.548	ng	98

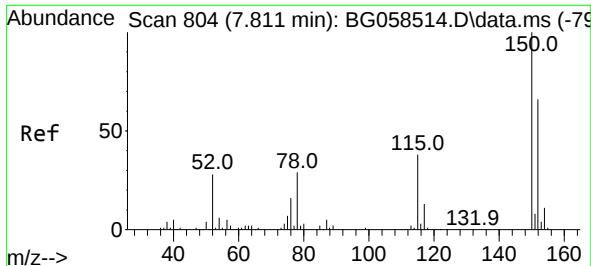
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081423\
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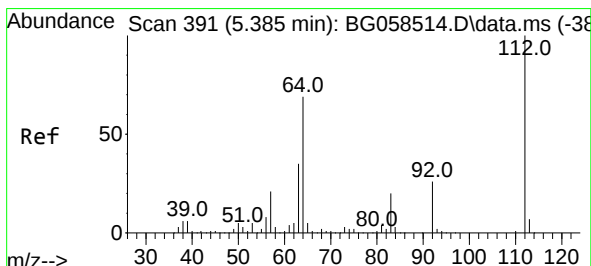
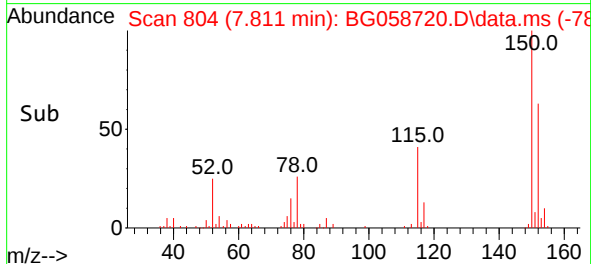
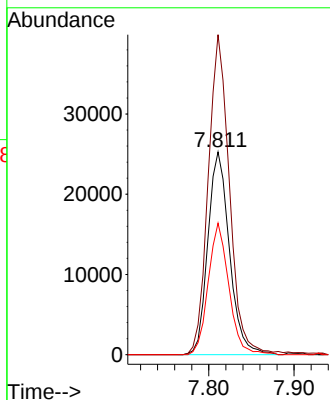
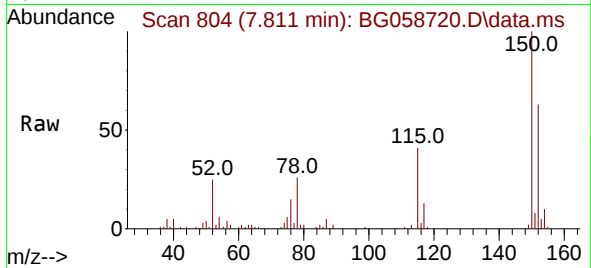




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.811 min Scan# 804
Delta R.T. -0.000 min
Lab File: BG058720.D
Acq: 14 Aug 2023 13:11

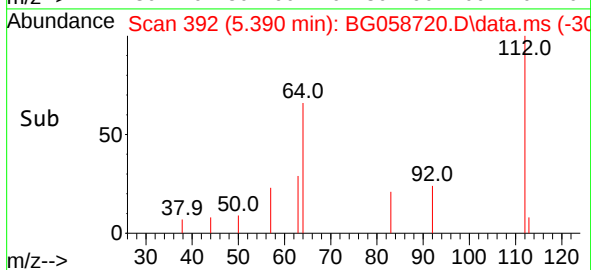
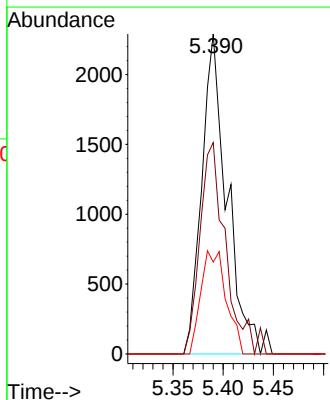
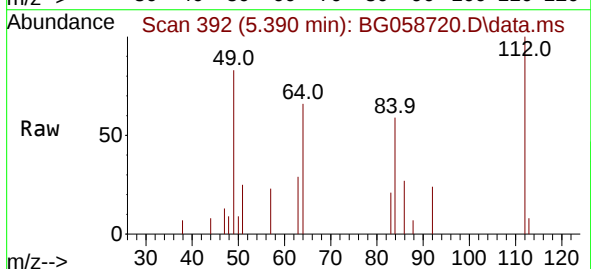
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL2

Tgt Ion:152 Resp: 44558
Ion Ratio Lower Upper
152 100
150 157.8 120.5 180.7
115 64.9 45.9 68.9



#5
2-Fluorophenol
Concen: 1.382 ng
RT: 5.390 min Scan# 392
Delta R.T. 0.005 min
Lab File: BG058720.D
Acq: 14 Aug 2023 13:11

Tgt Ion:112 Resp: 4028
Ion Ratio Lower Upper
112 100
64 66.0 55.3 82.9
63 28.7 28.3 42.5

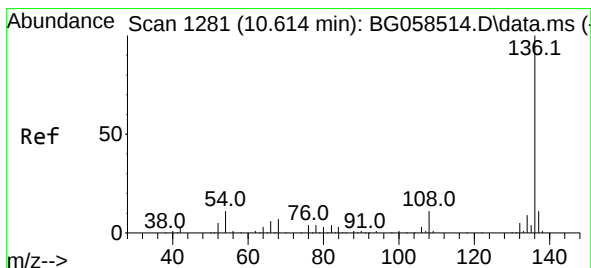
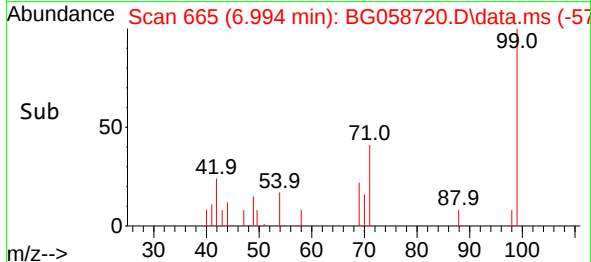
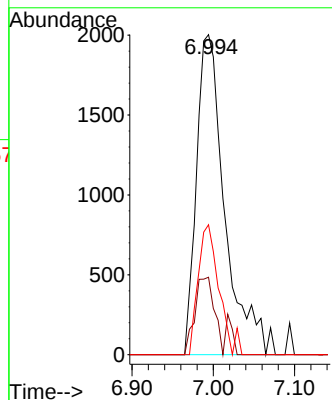
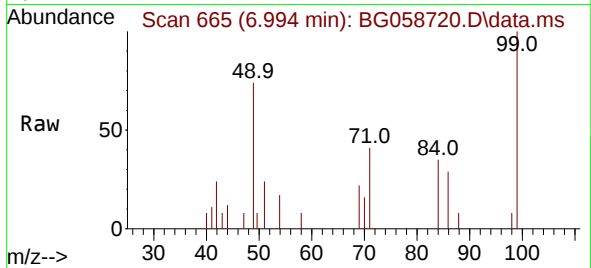




#7
Phenol-d6
Concen: 1.200 ng
RT: 6.994 min Scan# 60
Delta R.T. 0.011 min
Lab File: BG058720.D
Acq: 14 Aug 2023 13:11

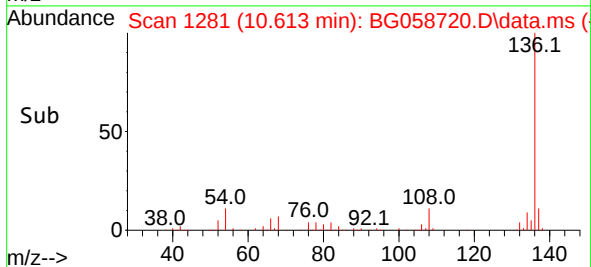
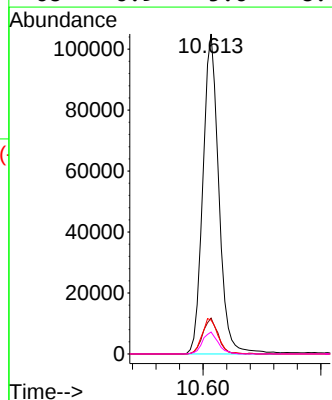
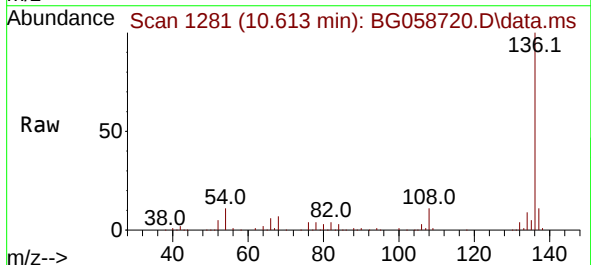
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL2

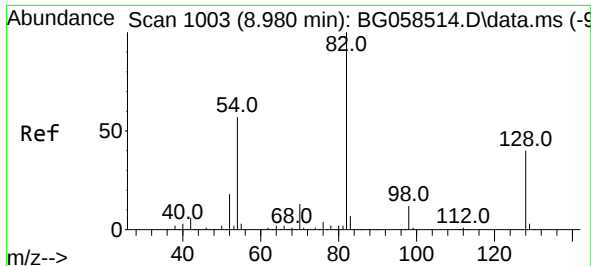
Tgt Ion: 99 Resp: 4867
Ion Ratio Lower Upper
99 100
42 24.2 14.6 21.8#
71 40.6 25.0 37.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.613 min Scan# 1281
Delta R.T. -0.000 min
Lab File: BG058720.D
Acq: 14 Aug 2023 13:11

Tgt Ion: 136 Resp: 197172
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 10.6 8.9 13.3
68 6.9 5.6 8.4

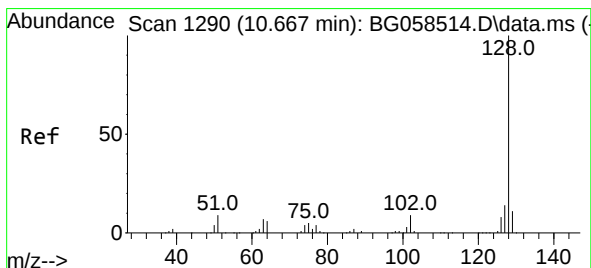
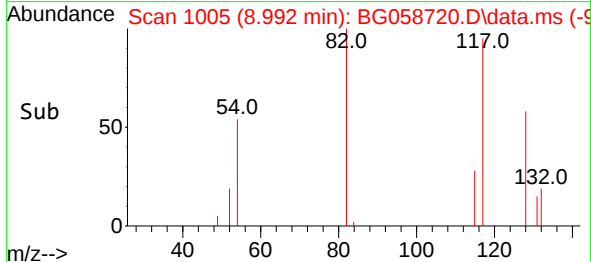
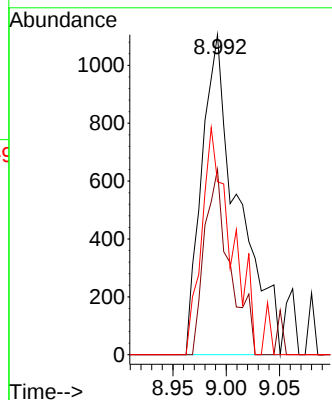
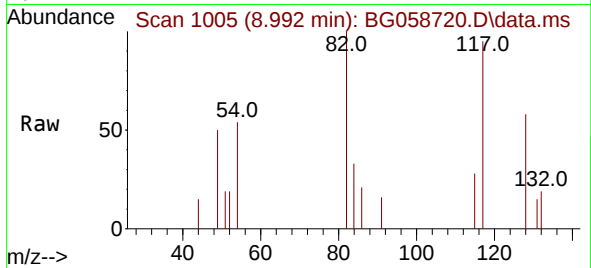




#23
Nitrobenzene-d5
Concen: 0.657 ng
RT: 8.992 min Scan# 1005
Delta R.T. 0.011 min
Lab File: BG058720.D
Acq: 14 Aug 2023 13:11

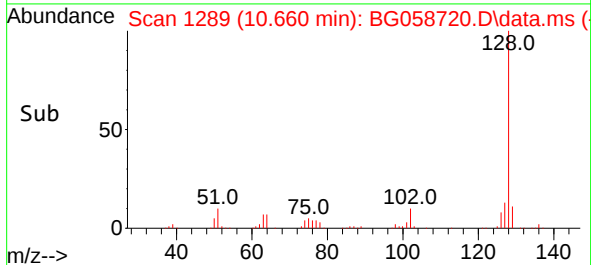
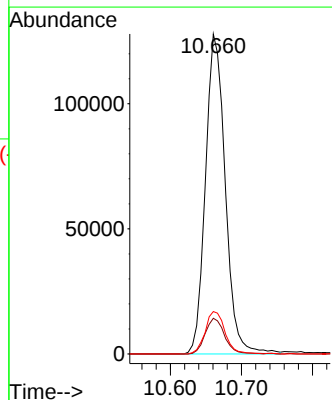
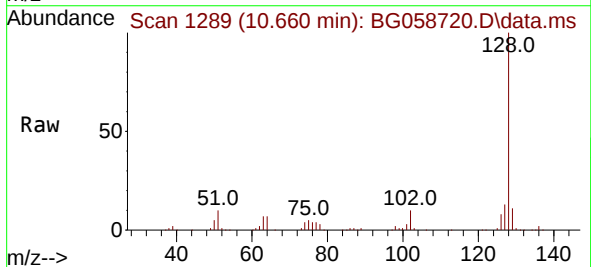
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL2

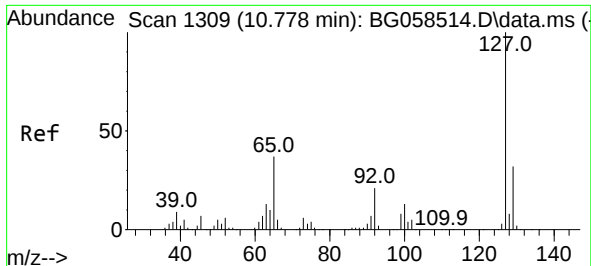
Tgt Ion: 82 Resp: 2637
Ion Ratio Lower Upper
82 100
128 58.0 32.2 48.2#
54 54.1 46.0 69.0



#31
Naphthalene
Concen: 23.883 ng
RT: 10.660 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BG058720.D
Acq: 14 Aug 2023 13:11

Tgt Ion:128 Resp: 248195
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.3 10.9 16.3

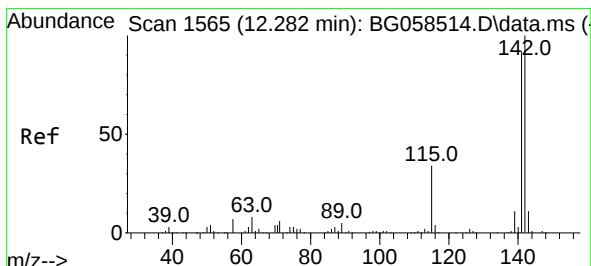
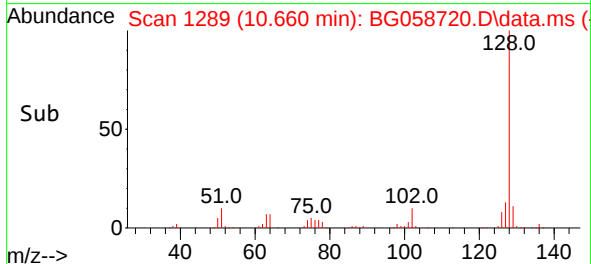
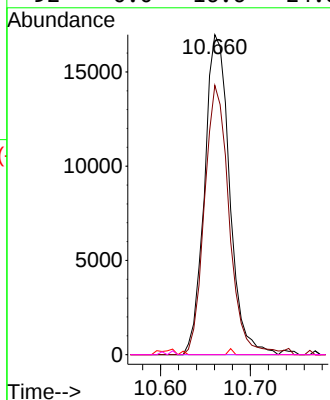
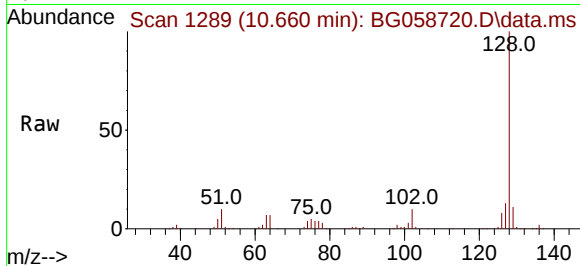




#33
4-Chloroaniline
Concen: 7.495 ng
RT: 10.660 min Scan# 11
Delta R.T. -0.118 min
Lab File: BG058720.D
Acq: 14 Aug 2023 13:11

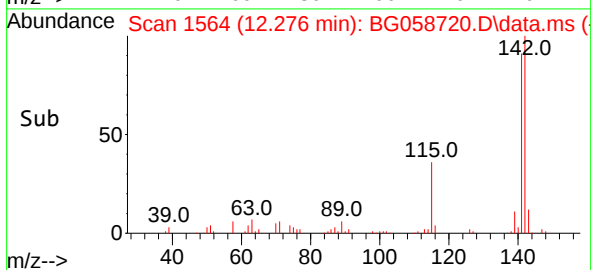
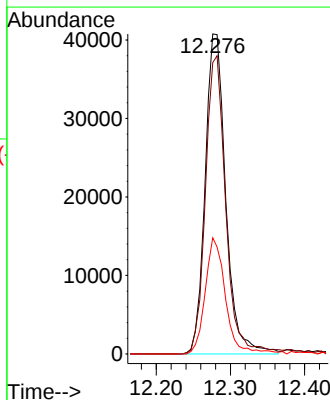
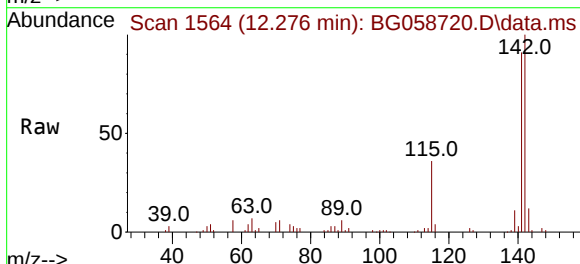
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL2

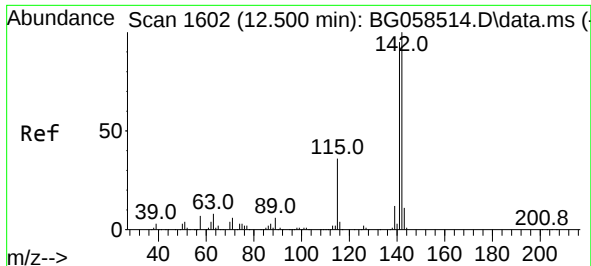
Tgt Ion:	127	Resp:	32908
Ion	Ratio	Lower	Upper
127	100		
129	84.1	25.4	38.2#
65	0.0	29.5	44.3#
92	0.0	16.6	24.8#



#37
2-Methylnaphthalene
Concen: 10.618 ng
RT: 12.276 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BG058720.D
Acq: 14 Aug 2023 13:11

Tgt Ion:	142	Resp:	78928
Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.5	110.3
115	36.3	27.4	41.0

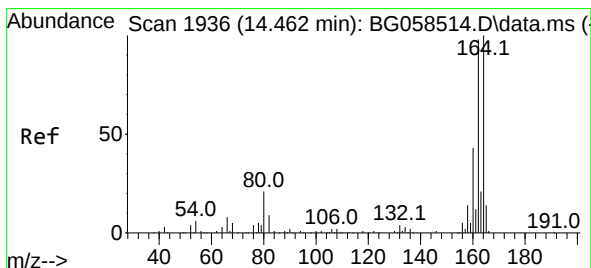
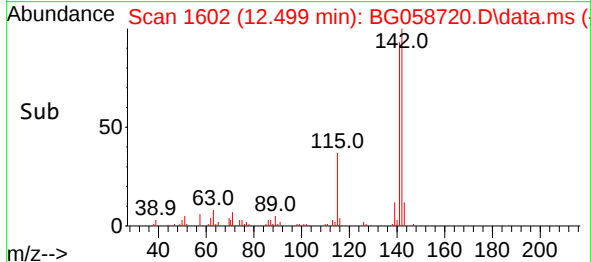
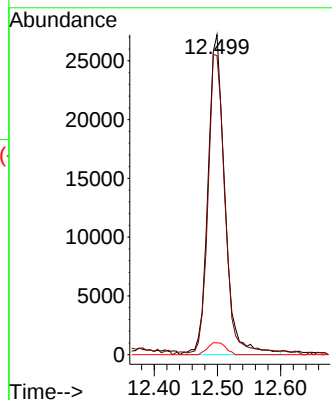
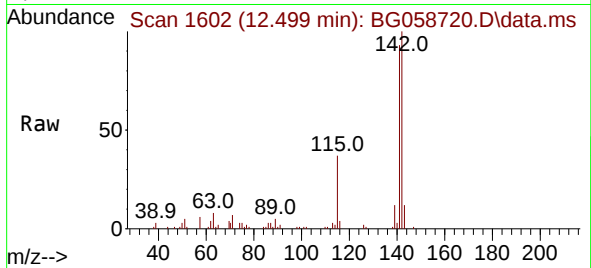




#38
1-Methylnaphthalene
Concen: 7.154 ng
RT: 12.499 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG058720.D
Acq: 14 Aug 2023 13:11

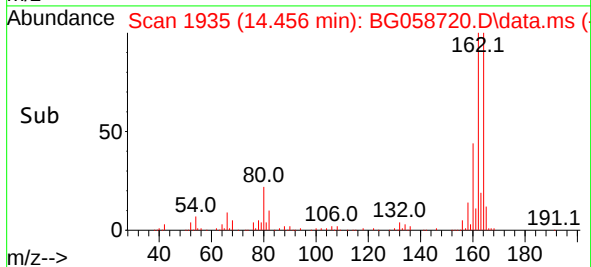
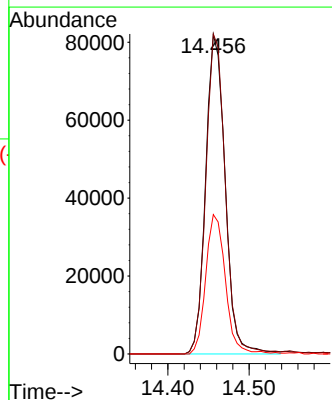
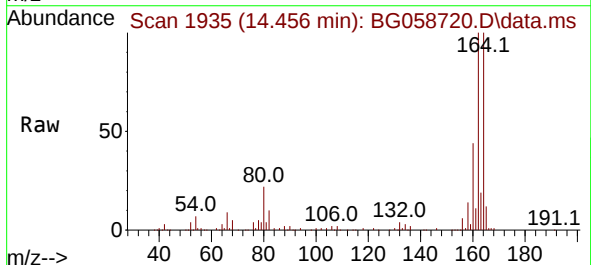
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL2

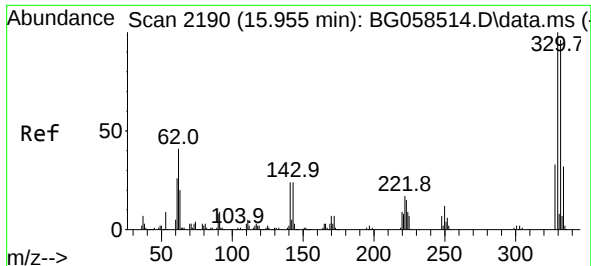
Tgt Ion:142 Resp: 50553
Ion Ratio Lower Upper
142 100
141 93.4 75.7 113.5
116 3.7 3.2 4.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.456 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BG058720.D
Acq: 14 Aug 2023 13:11

Tgt Ion:164 Resp: 136657
Ion Ratio Lower Upper
164 100
162 100.2 78.3 117.5
160 43.6 34.1 51.1





#42

2,4,6-Tribromophenol

Concen: 0.590 ng

RT: 15.978 min Scan# 2194

Delta R.T. 0.023 min

Lab File: BG058720.D

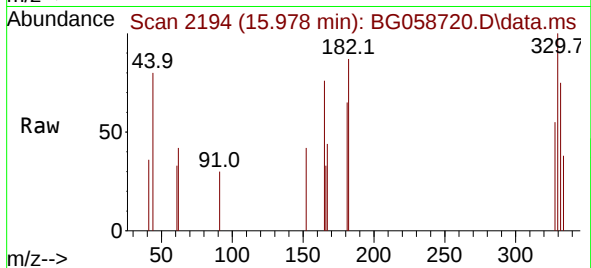
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Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z10-12DL2



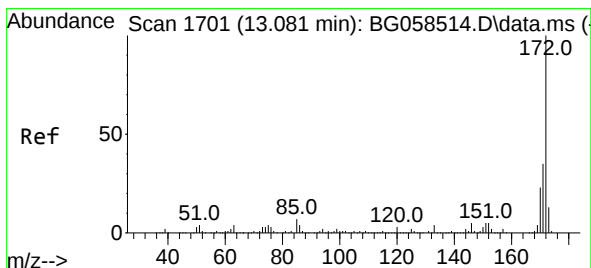
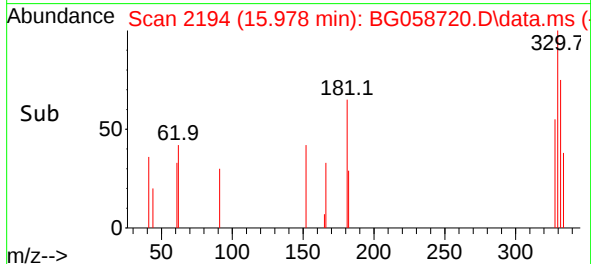
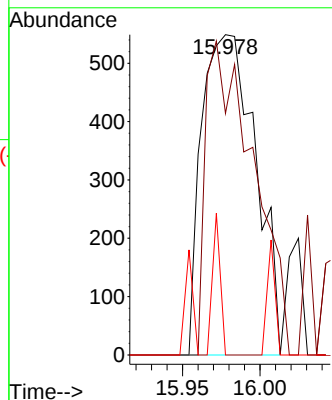
Tgt Ion:330 Resp: 1321

Ion Ratio Lower Upper

330 100

332 87.2 77.5 116.3

141 6.5 20.7 31.1#



#45

2-Fluorobiphenyl

Concen: 1.060 ng

RT: 13.081 min Scan# 1701

Delta R.T. -0.000 min

Lab File: BG058720.D

Acq: 14 Aug 2023 13:11

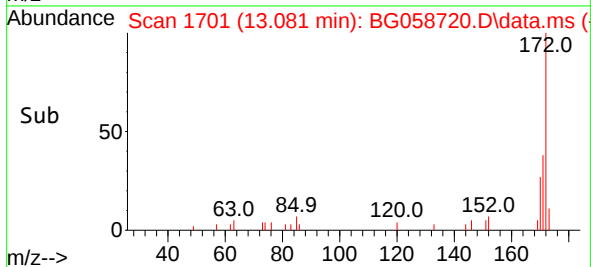
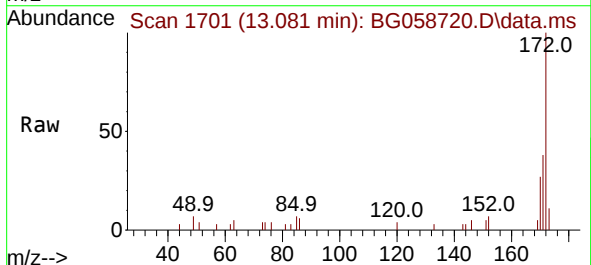
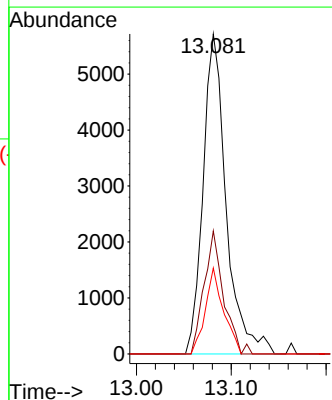
Tgt Ion:172 Resp: 9670

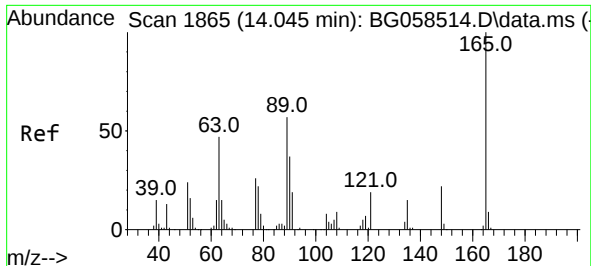
Ion Ratio Lower Upper

172 100

171 38.4 28.0 42.0

170 26.9 18.4 27.6

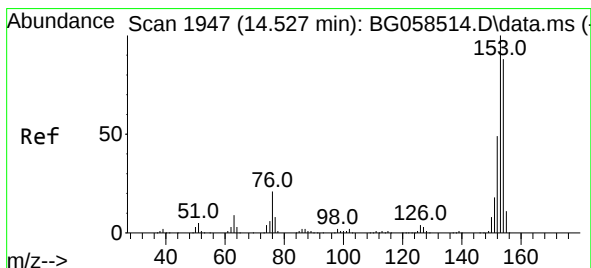
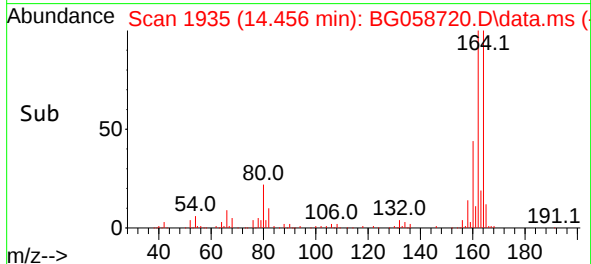
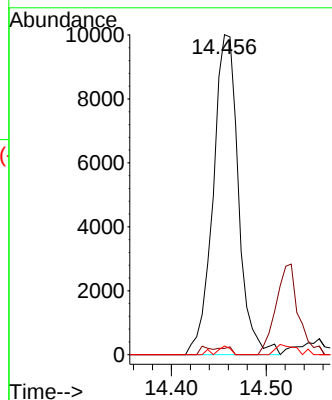
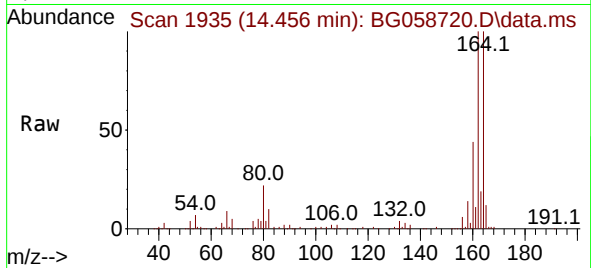




#51
2,6-Dinitrotoluene
Concen: 8.236 ng
RT: 14.456 min Scan# 1935
Delta R.T. 0.411 min
Lab File: BG058720.D
Acq: 14 Aug 2023 13:11

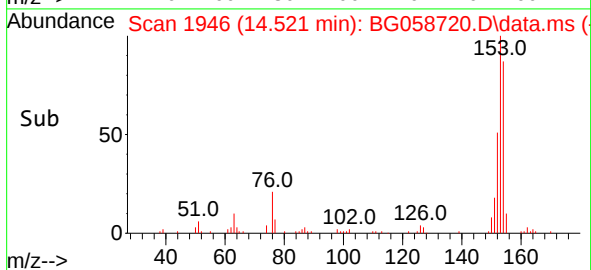
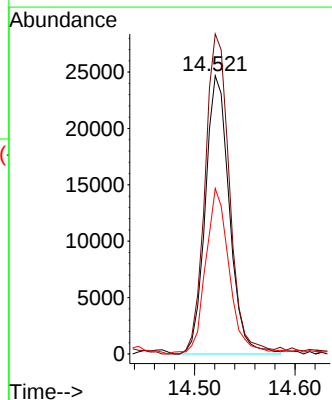
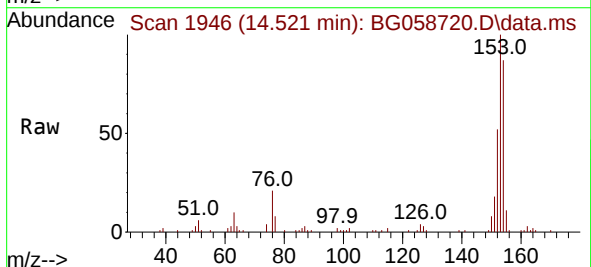
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL2

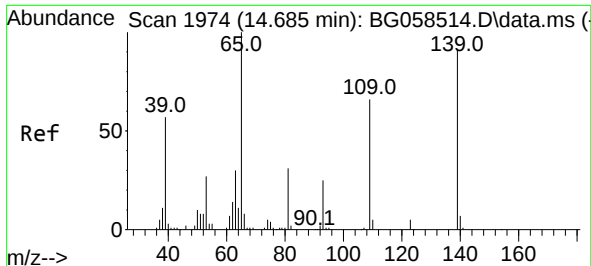
Tgt Ion:165 Resp: 18547
Ion Ratio Lower Upper
165 100
63 2.0 46.4 69.6#
89 2.7 45.3 67.9#



#52
Acenaphthene
Concen: 5.807 ng
RT: 14.521 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BG058720.D
Acq: 14 Aug 2023 13:11

Tgt Ion:154 Resp: 41107
Ion Ratio Lower Upper
154 100
153 115.0 91.1 136.7
152 59.5 44.6 66.8

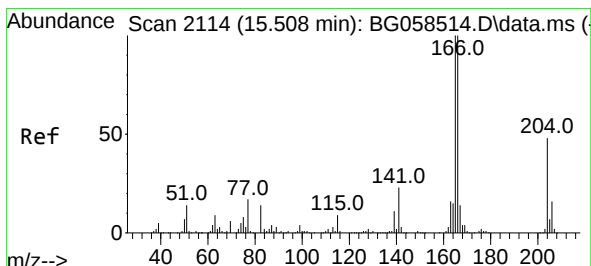
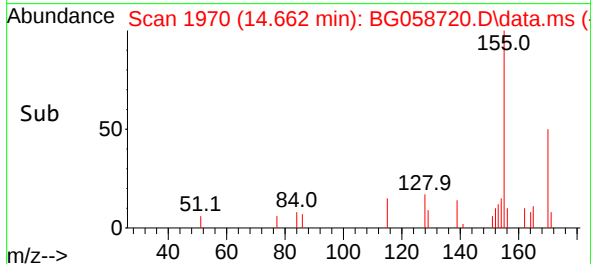
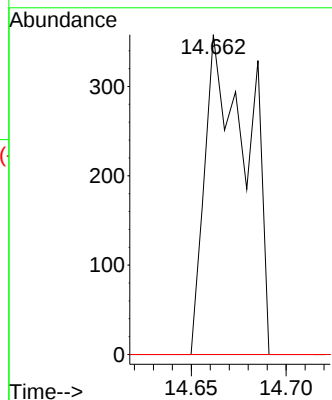
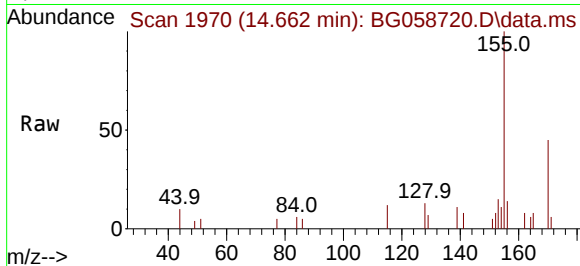




#56
4-Nitrophenol
Concen: 3.645 ng
RT: 14.662 min Scan# 1974
Delta R.T. -0.023 min
Lab File: BG058720.D
Acq: 14 Aug 2023 13:11

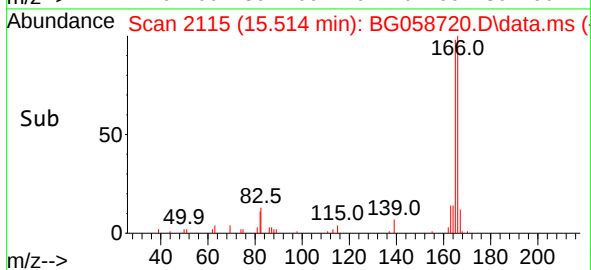
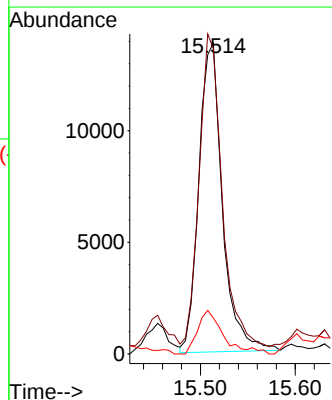
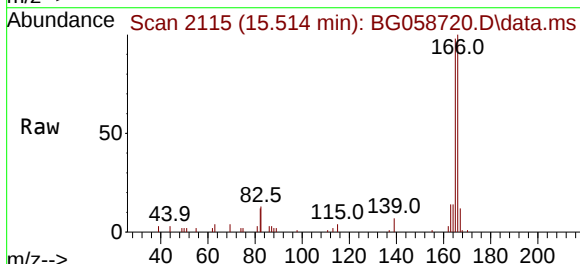
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL2

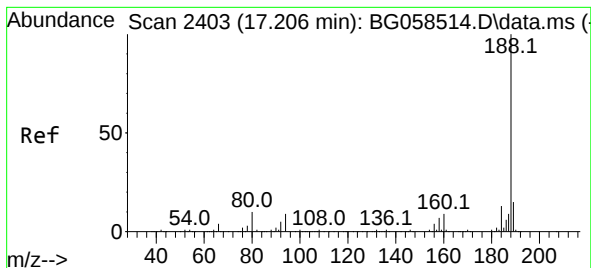
Tgt Ion:139 Resp: 558
Ion Ratio Lower Upper
139 100
109 0.0 52.5 92.5#
65 0.0 90.5 130.5#



#58
Fluorene
Concen: 2.471 ng
RT: 15.514 min Scan# 2115
Delta R.T. 0.005 min
Lab File: BG058720.D
Acq: 14 Aug 2023 13:11

Tgt Ion:166 Resp: 23878
Ion Ratio Lower Upper
166 100
165 98.1 80.0 120.0
167 11.5 11.3 16.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.206 min Scan# 2403

Delta R.T. -0.000 min

Lab File: BG058720.D

Acq: 14 Aug 2023 13:11

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z10-12DL2

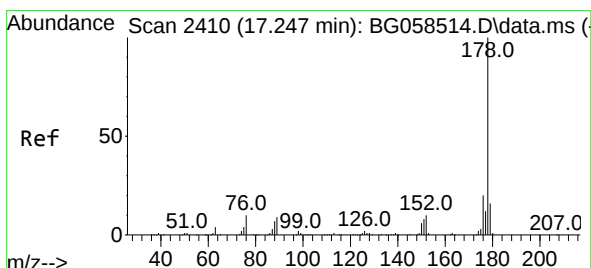
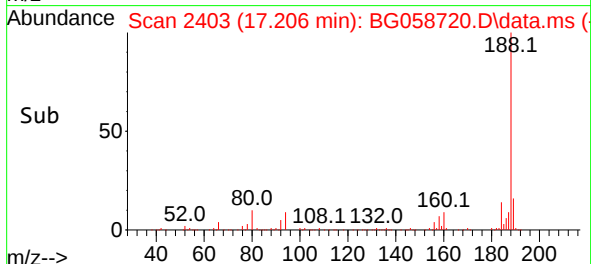
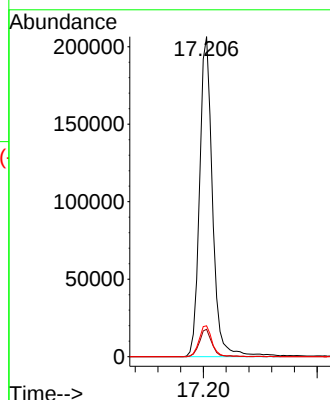
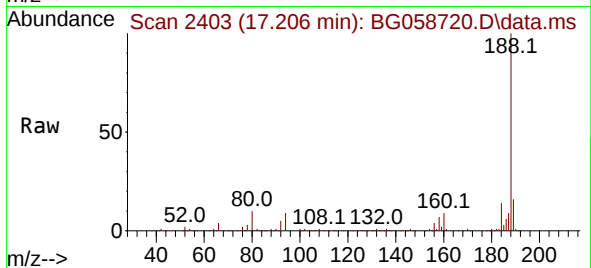
Tgt Ion:188 Resp: 326974

Ion Ratio Lower Upper

188 100

94 8.5 7.0 10.6

80 9.6 8.1 12.1



#71

Phenanthrene

Concen: 8.118 ng

RT: 17.247 min Scan# 2410

Delta R.T. -0.000 min

Lab File: BG058720.D

Acq: 14 Aug 2023 13:11

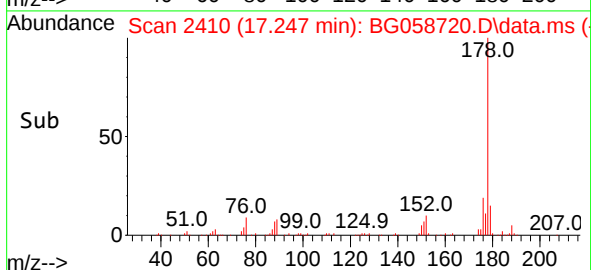
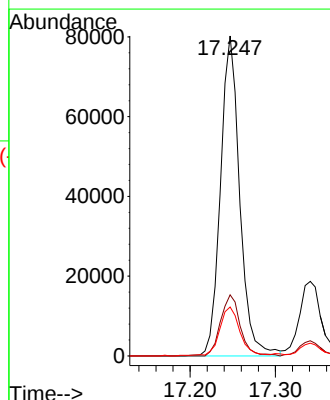
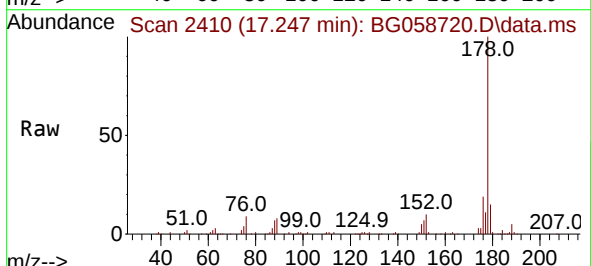
Tgt Ion:178 Resp: 125889

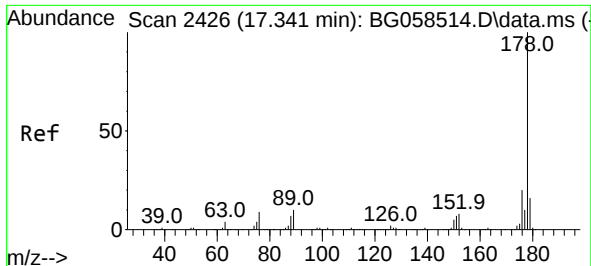
Ion Ratio Lower Upper

178 100

176 19.1 16.3 24.5

179 15.3 13.1 19.7

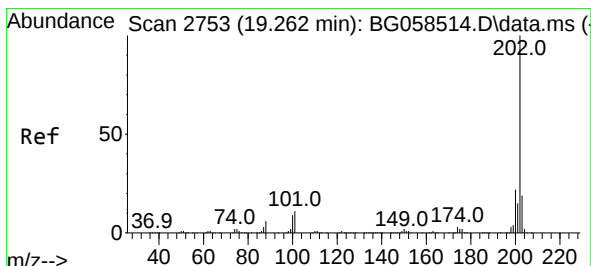
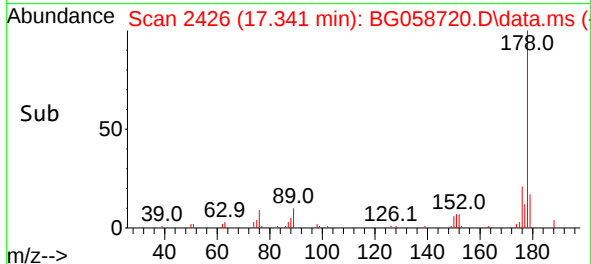
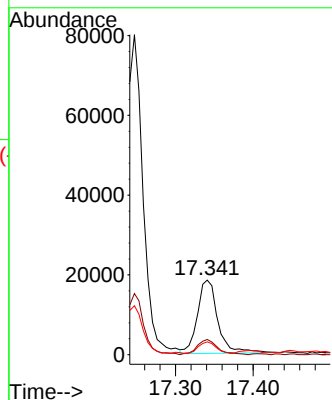
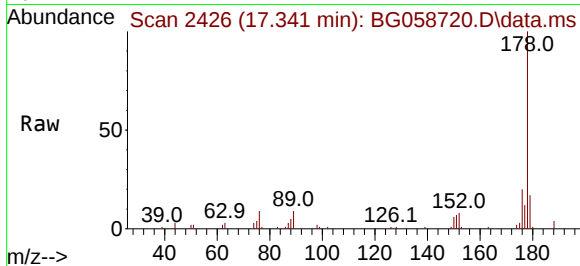




#72
 Anthracene
 Concen: 2.116 ng
 RT: 17.341 min Scan# 2426
 Delta R.T. -0.000 min
 Lab File: BG058720.D
 Acq: 14 Aug 2023 13:11

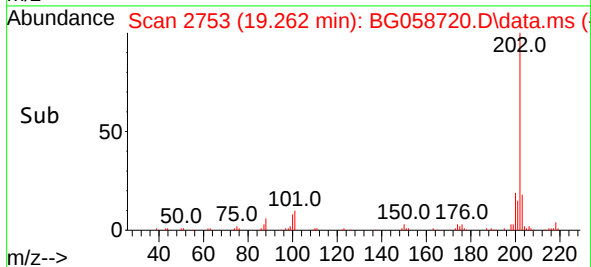
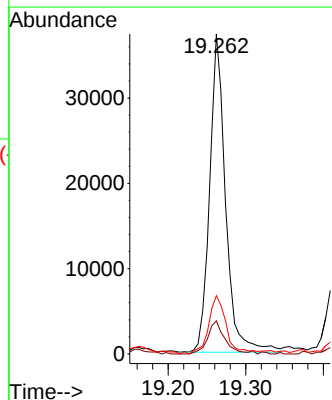
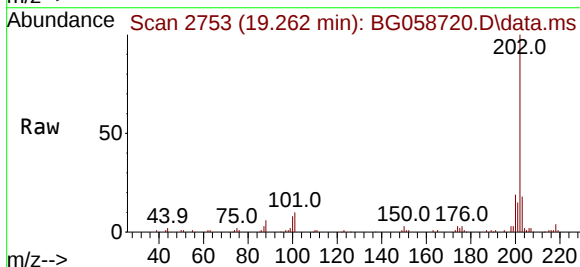
Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z10-12DL2

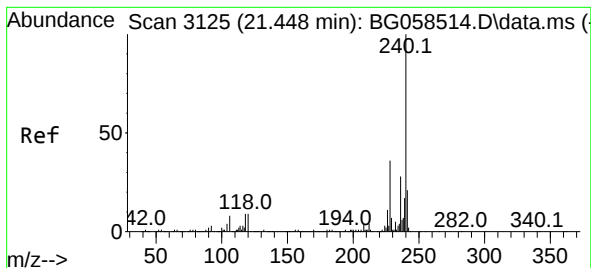
Tgt Ion:178 Resp: 33670
 Ion Ratio Lower Upper
 178 100
 176 20.5 16.0 24.0
 179 17.2 12.9 19.3



#75
 Fluoranthene
 Concen: 2.879 ng
 RT: 19.262 min Scan# 2753
 Delta R.T. -0.000 min
 Lab File: BG058720.D
 Acq: 14 Aug 2023 13:11

Tgt Ion:202 Resp: 53632
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 31.4
 203 18.2 0.0 39.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.448 min Scan# 3125

Delta R.T. -0.000 min

Lab File: BG058720.D

Acq: 14 Aug 2023 13:11

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z10-12DL2

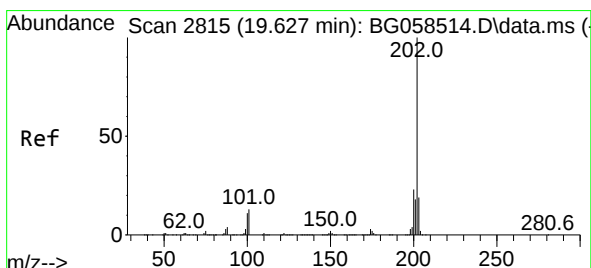
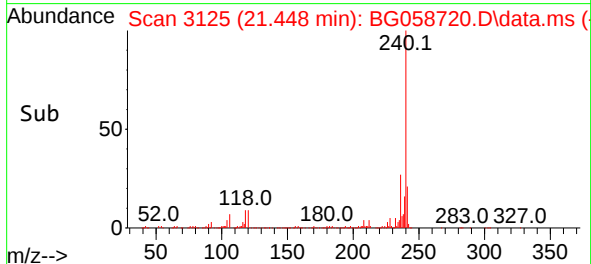
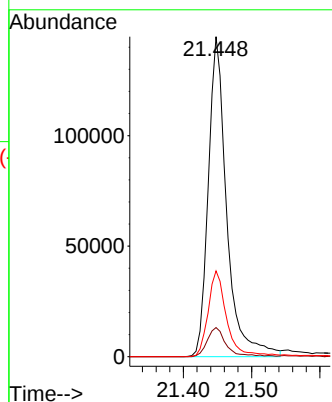
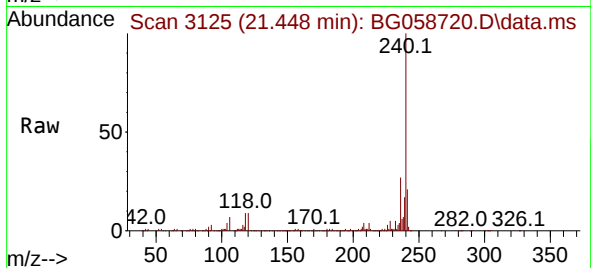
Tgt Ion:240 Resp: 272333

Ion Ratio Lower Upper

240 100

120 9.1 7.4 11.0

236 26.8 22.2 33.4



#78

Pyrene

Concen: 4.548 ng

RT: 19.626 min Scan# 2815

Delta R.T. -0.000 min

Lab File: BG058720.D

Acq: 14 Aug 2023 13:11

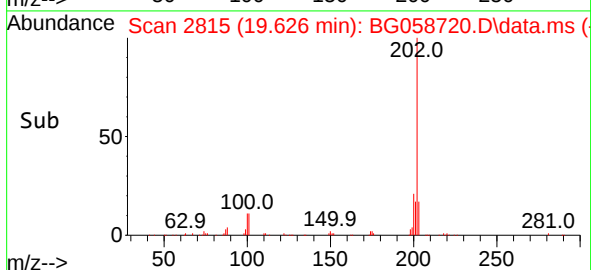
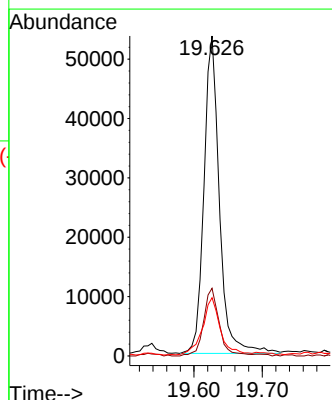
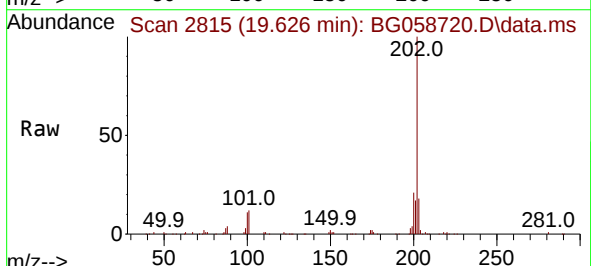
Tgt Ion:202 Resp: 84295

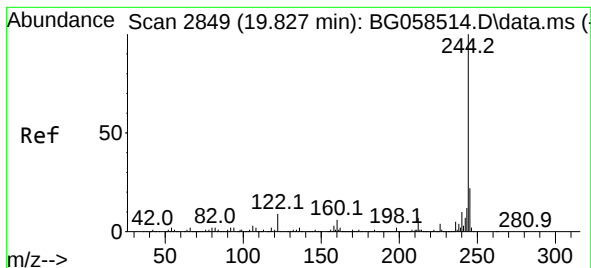
Ion Ratio Lower Upper

202 100

200 21.2 18.2 27.2

203 18.2 15.1 22.7





#79

Terphenyl-d14

Concen: 1.196 ng

RT: 19.826 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG058720.D

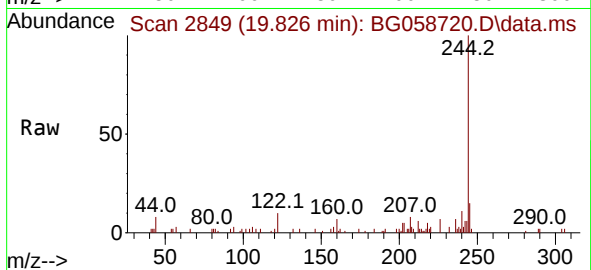
Acq: 14 Aug 2023 13:11

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z10-12DL2



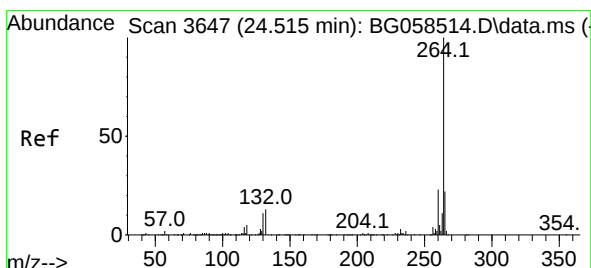
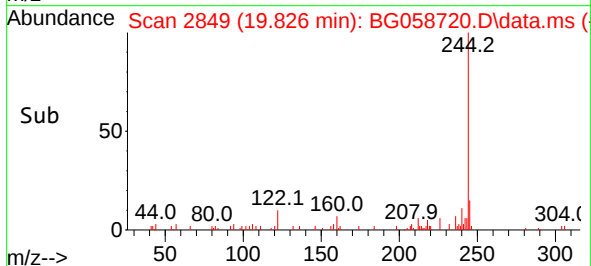
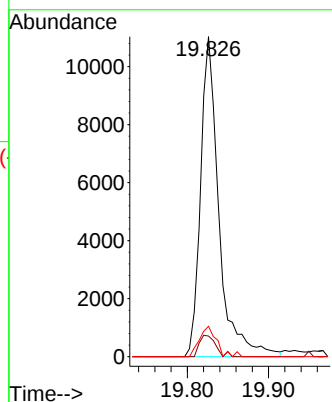
Tgt Ion:244 Resp: 17317

Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

122 9.5 6.8 10.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.526 min Scan# 3649

Delta R.T. 0.011 min

Lab File: BG058720.D

Acq: 14 Aug 2023 13:11

Tgt Ion:264 Resp: 302205

Ion Ratio Lower Upper

264 100

260 22.7 18.4 27.6

265 21.2 17.9 26.9

