

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)

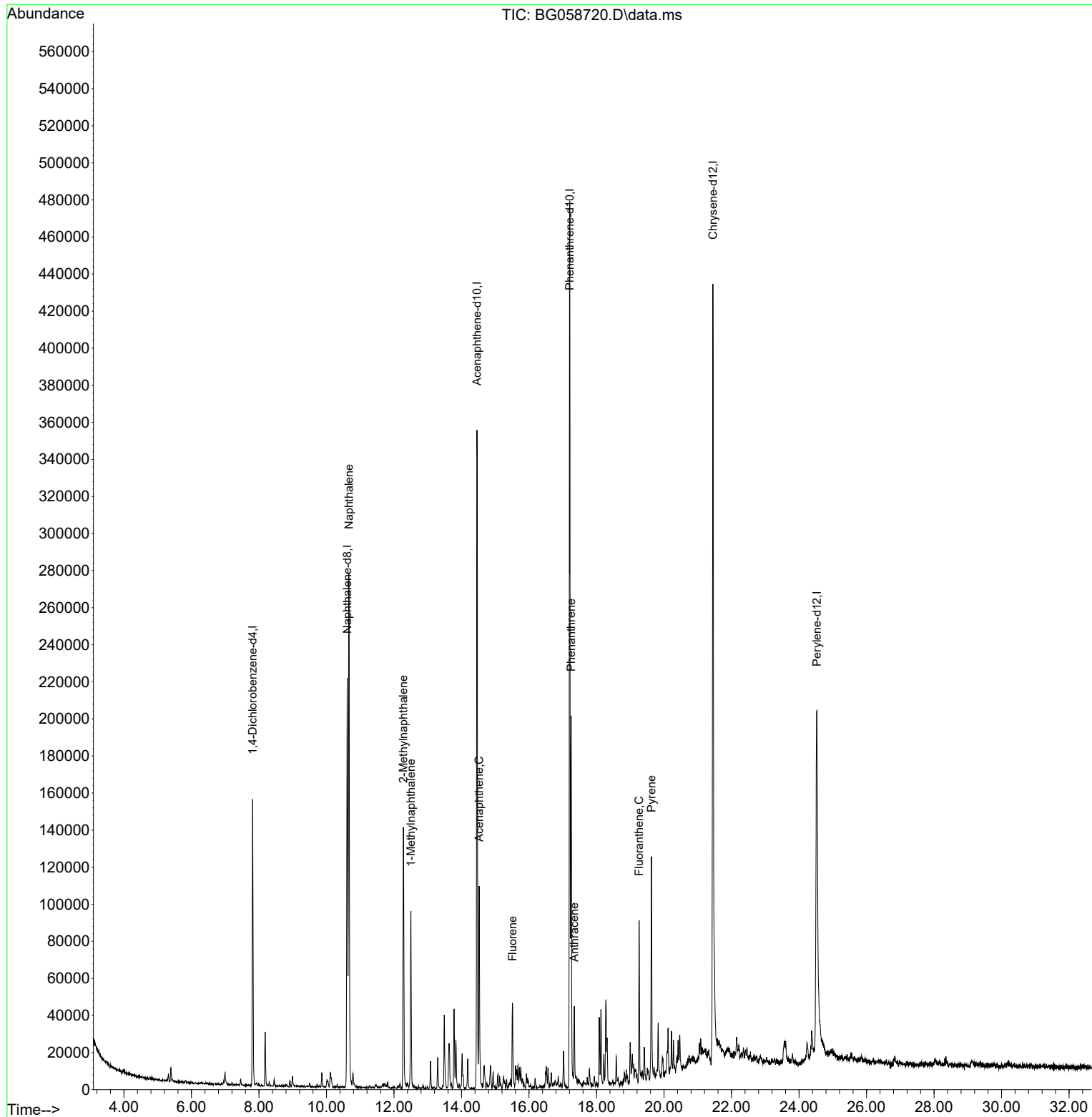
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	44558	20.000	ng	0.00
21) Naphthalene-d8	10.613	136	197172	20.000	ng	0.00
39) Acenaphthene-d10	14.456	164	136657	20.000	ng	0.00
64) Phenanthrene-d10	17.206	188	326974	20.000	ng	0.00
76) Chrysene-d12	21.448	240	272333	20.000	ng	0.00
86) Perylene-d12	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
37) 2-Methylnaphthalene	12.276	142	78928	10.618	ng	98
38) 1-Methylnaphthalene	12.499	142	50553	7.154	ng	99
52) Acenaphthene	14.521	154	41107	5.807	ng	98
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

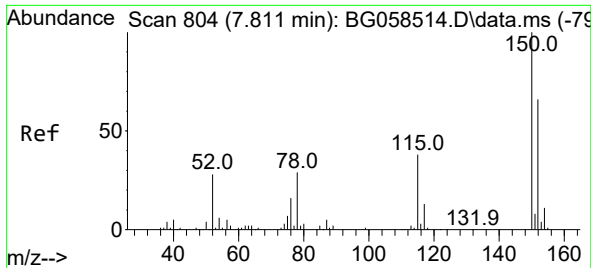
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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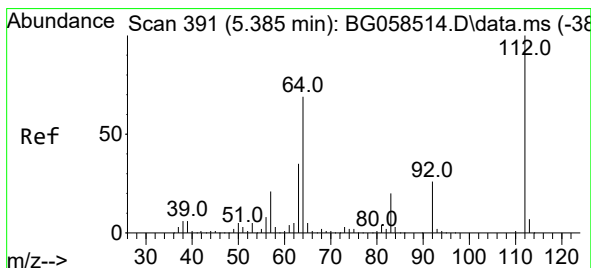
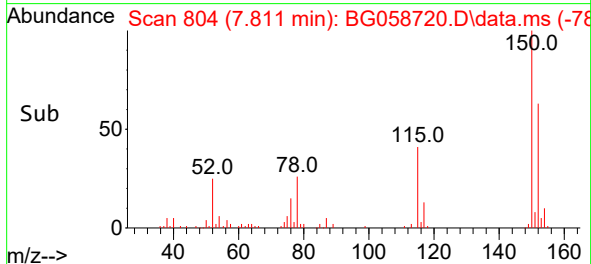
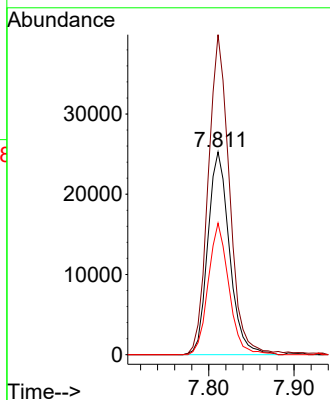
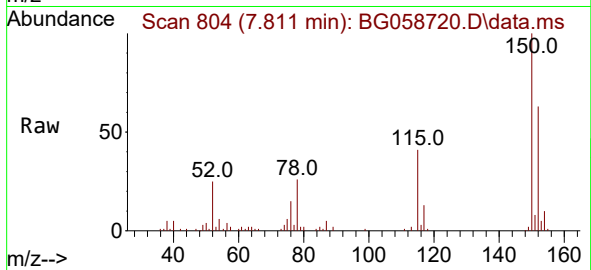




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.811 min Scan# 804
Delta R.T. -0.000 min
Lab File: BG058720.D
Acq: 14 Aug 2023 13:11

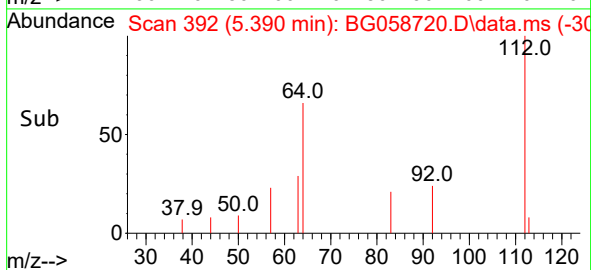
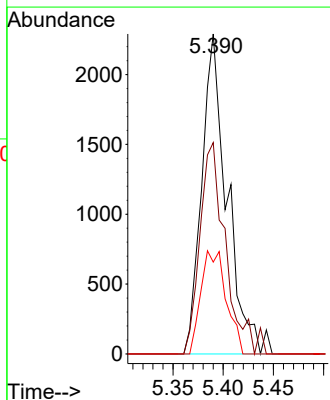
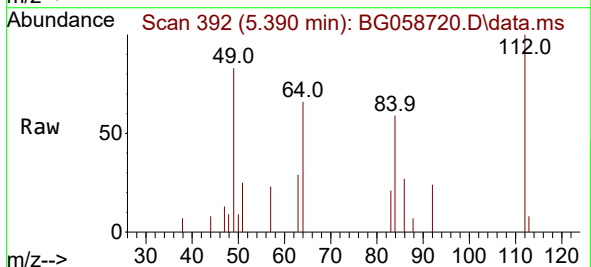
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL2

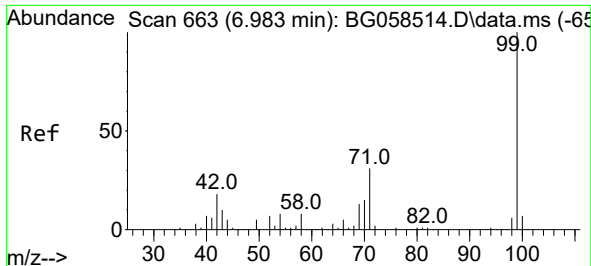
Tgt Ion:152 Resp: 44558
Ion Ratio Lower Upper
152 100
150 157.8 120.5 180.7
115 64.9 45.9 68.9



#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

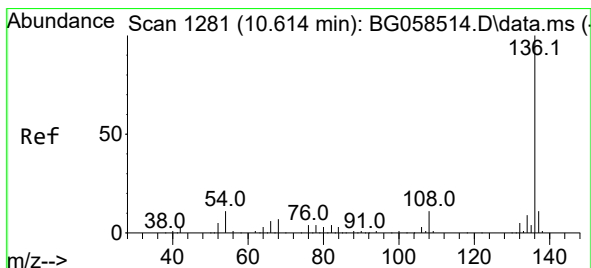
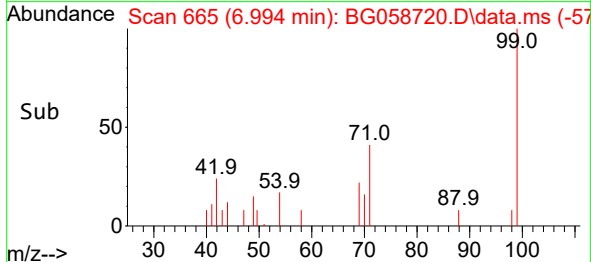
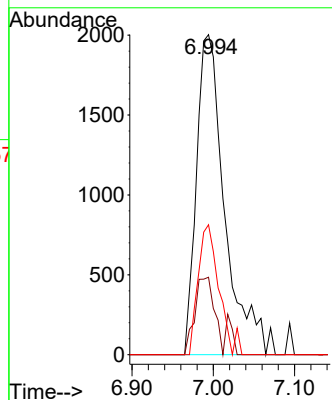
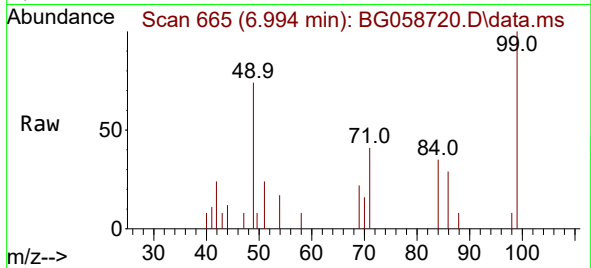




#7
Phenol-d6
Concen: 1.200 ng
RT: 6.994 min Scan# 665
Delta R.T. 0.011 min
Lab File: BG058720.D
Acq: 14 Aug 2023 13:11

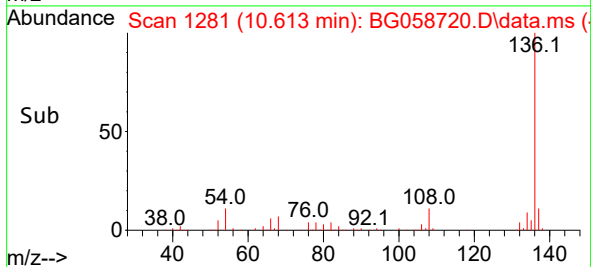
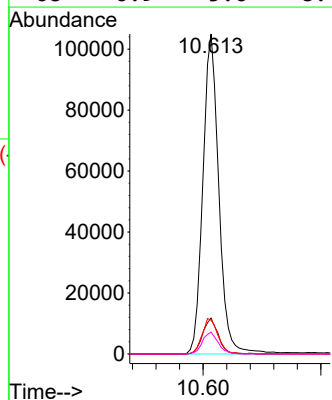
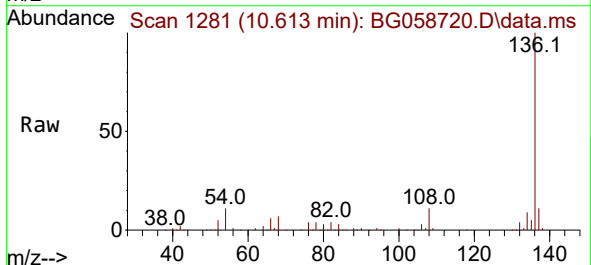
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL2

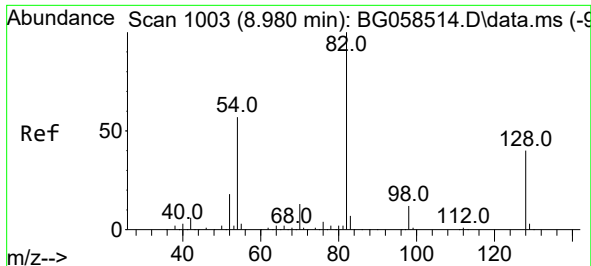
Tgt Ion: 99 Resp: 4867
Ion Ratio Lower Upper
99 100
42 24.2 14.6 21.8#
71 40.6 25.0 37.4#



#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

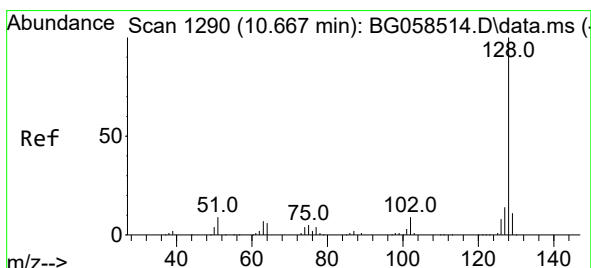
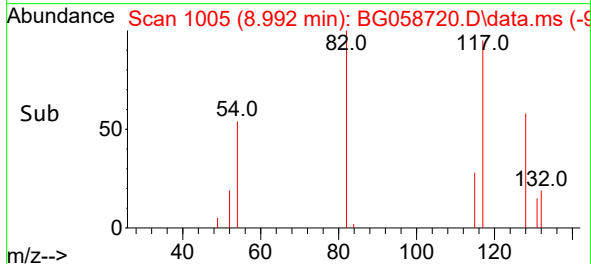
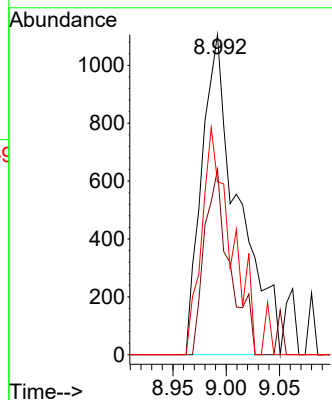
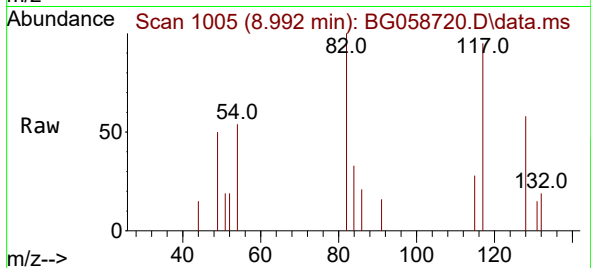
Tgt Ion: 82 Resp: 2637

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

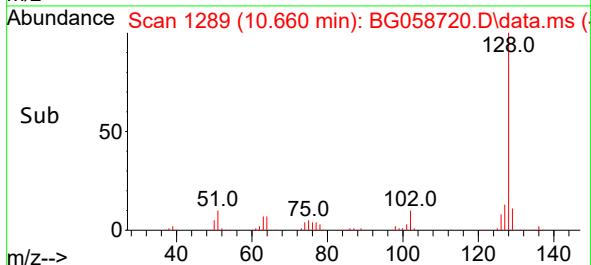
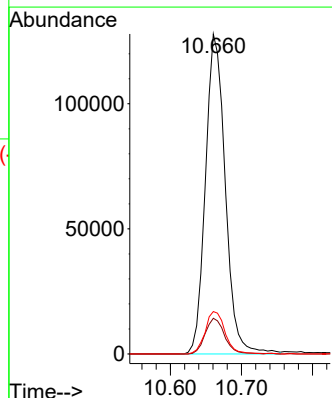
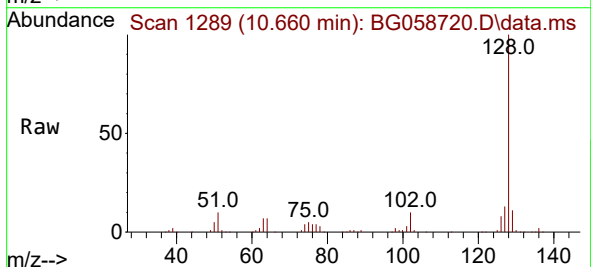
Tgt Ion:128 Resp: 248195

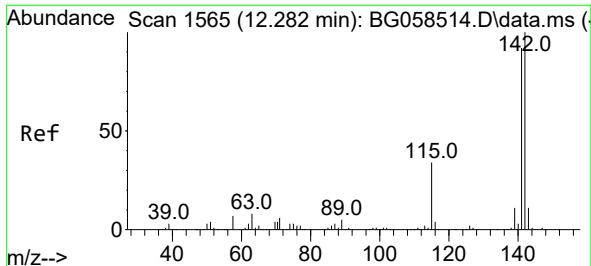
Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

127 13.3 10.9 16.3





#37

2-Methylnaphthalene

Concen: 10.618 ng

RT: 12.276 min Scan# 1564

Delta R.T. -0.006 min

Lab File: BG058720.D

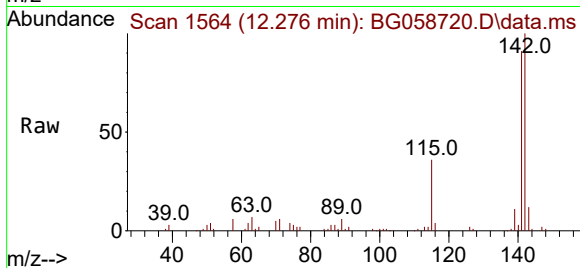
Acq: 14 Aug 2023 13:11

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z10-12DL2



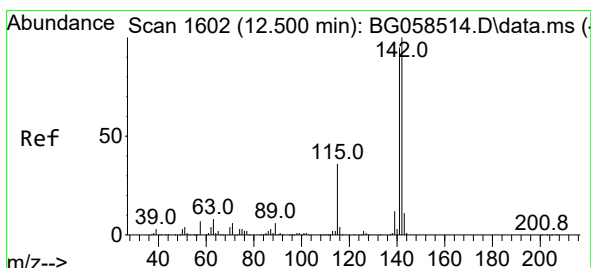
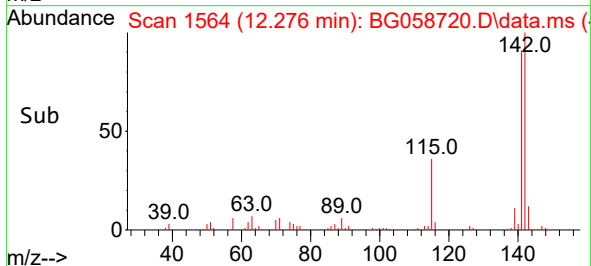
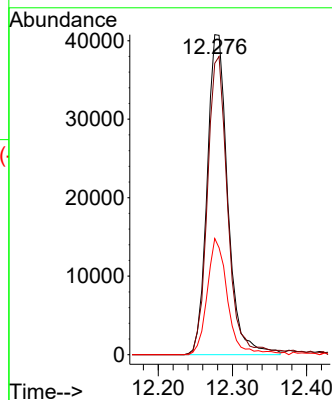
Tgt Ion:142 Resp: 78928

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# 1602

Delta R.T. -0.000 min

Lab File: BG058720.D

Acq: 14 Aug 2023 13:11

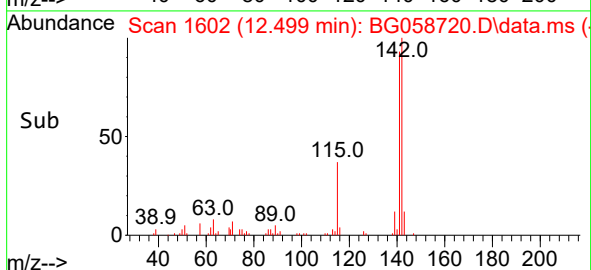
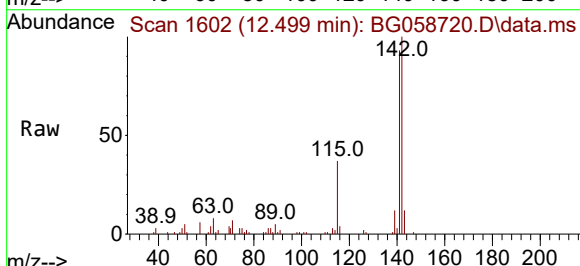
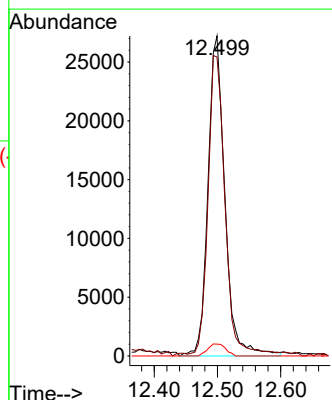
Tgt Ion:142 Resp: 50553

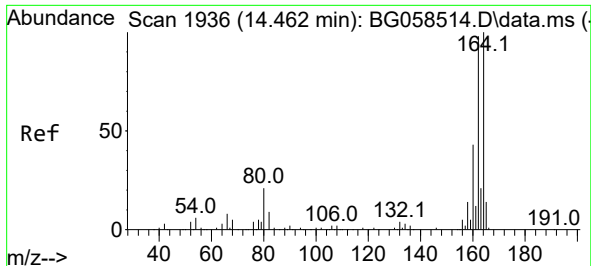
Ion Ratio Lower Upper

142 100

141 93.4 75.7 113.5

116 3.7 3.2 4.8

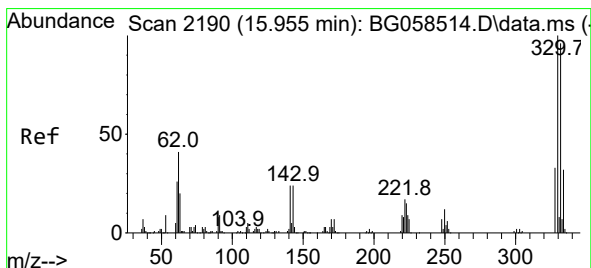
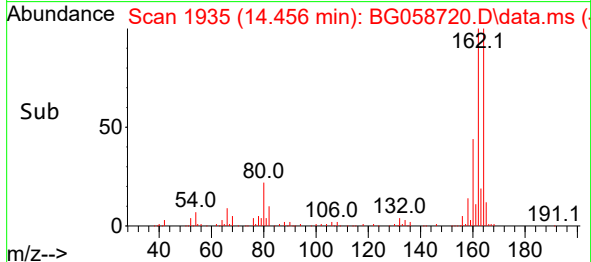
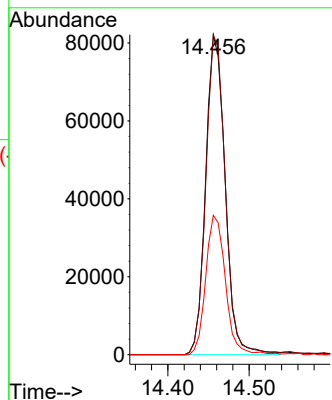
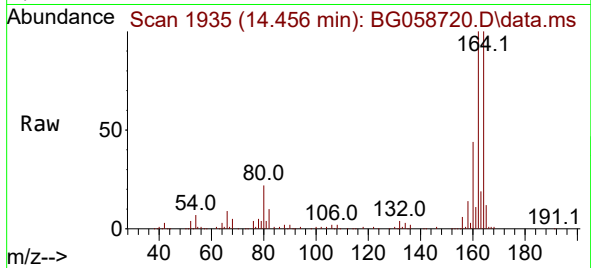




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.456 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BG058720.D
Acq: 14 Aug 2023 13:11

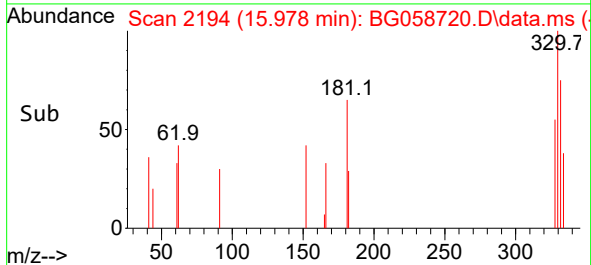
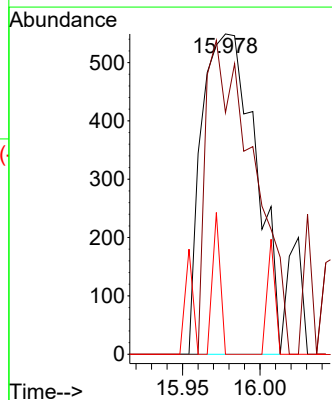
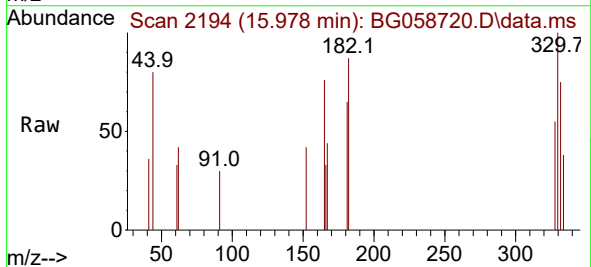
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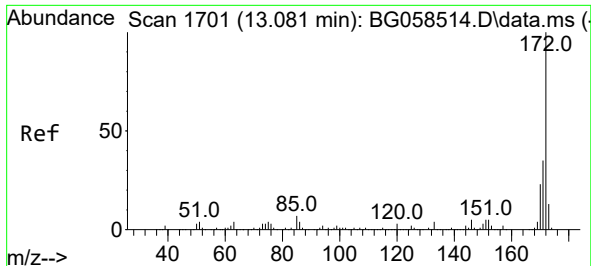
Tgt Ion:164 Resp: 136657
Ion Ratio Lower Upper
164 100
162 100.2 78.3 117.5
160 43.6 34.1 51.1



#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
Acq: 14 Aug 2023 13:11

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#

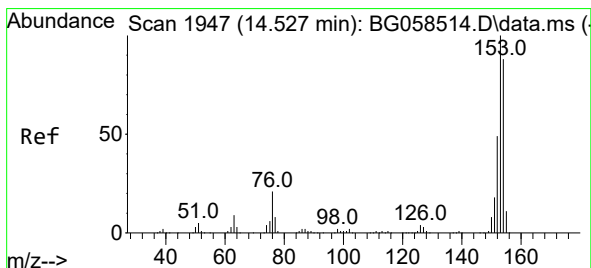
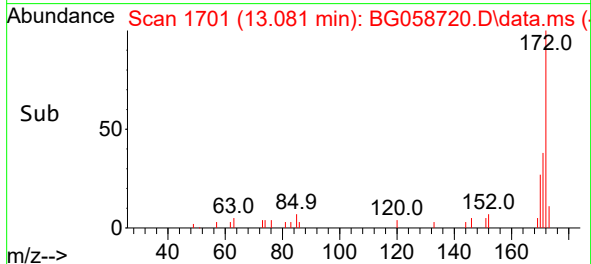
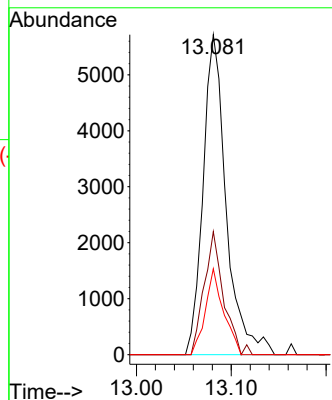
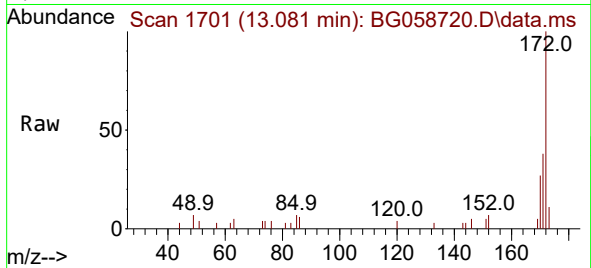




#45
2-Fluorobiphenyl
Concen: 1.060 ng
RT: 13.081 min Scan# 1701
Delta R.T. -0.000 min
Lab File: BG058720.D
Acq: 14 Aug 2023 13:11

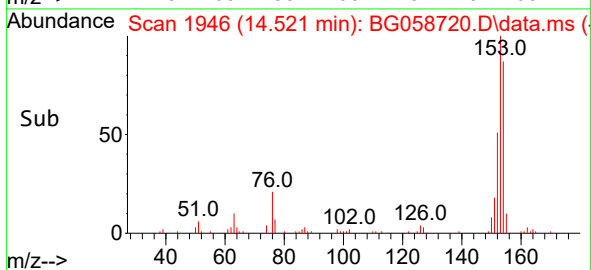
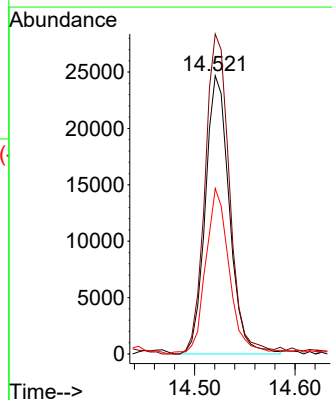
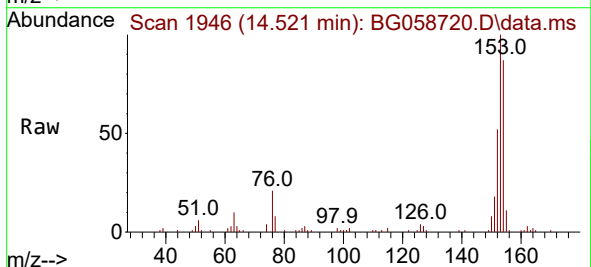
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL2

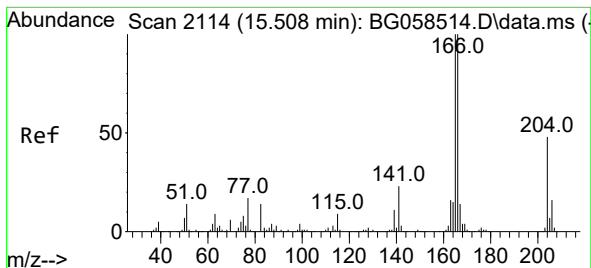
Tgt Ion:	172	Resp:	9670
Ion	Ratio	Lower	Upper
172	100		
171	38.4	28.0	42.0
170	26.9	18.4	27.6



#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





#58

Fluorene

Concen: 2.471 ng

RT: 15.514 min Scan# 2114

Delta R.T. 0.005 min

Lab File: BG058720.D

Acq: 14 Aug 2023 13:11

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z10-12DL2

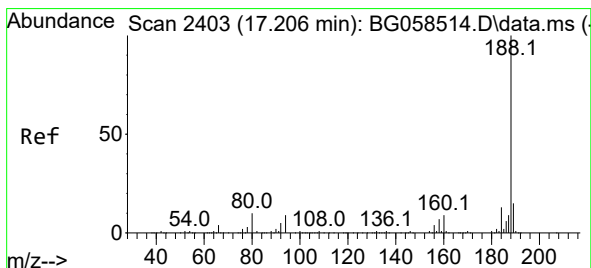
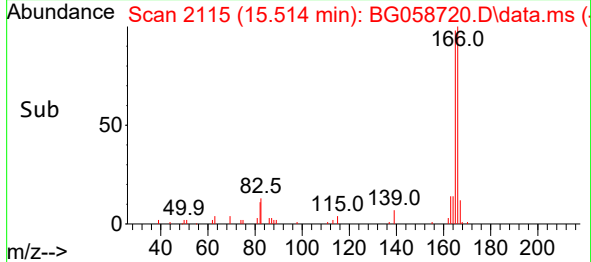
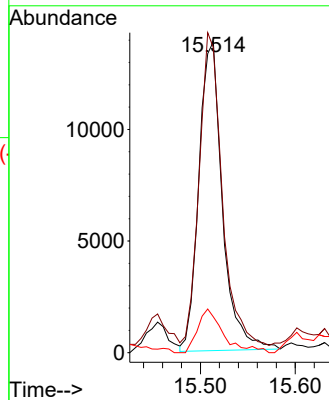
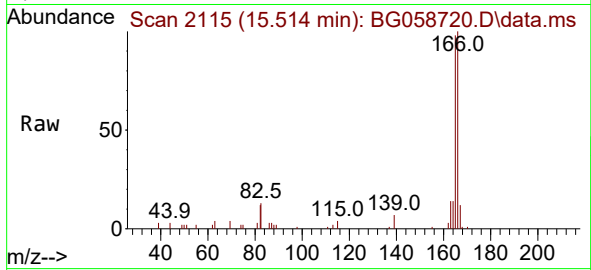
Tgt Ion:166 Resp: 23878

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

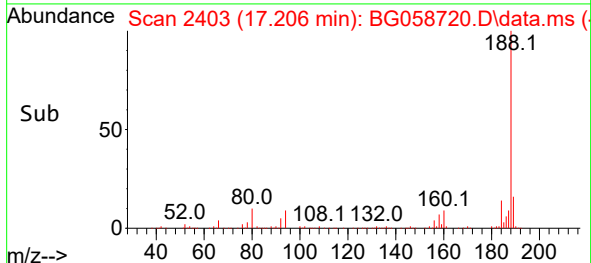
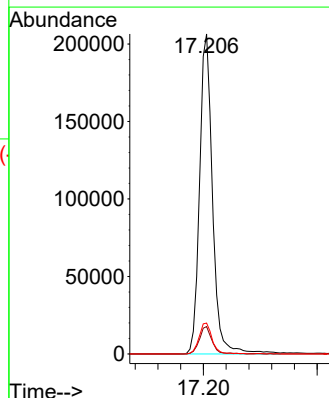
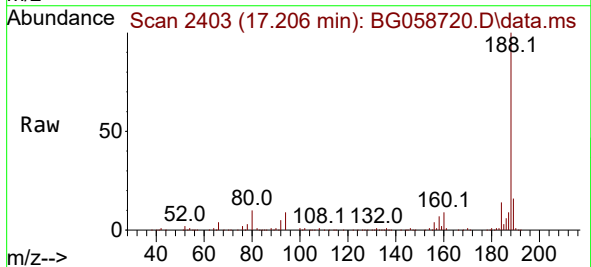
Tgt Ion:188 Resp: 326974

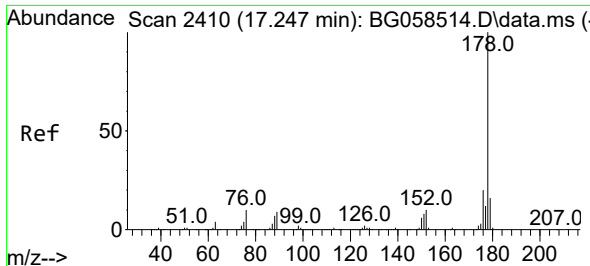
Ion Ratio Lower Upper

188 100

94 8.5 7.0 10.6

80 9.6 8.1 12.1

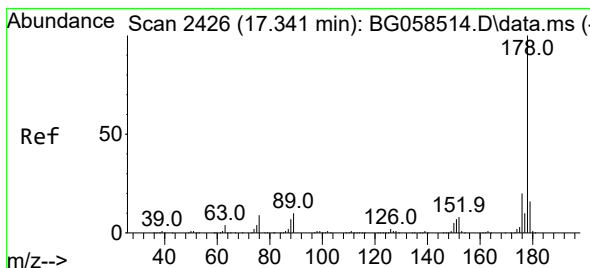
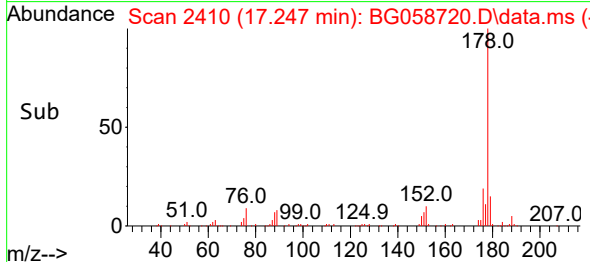
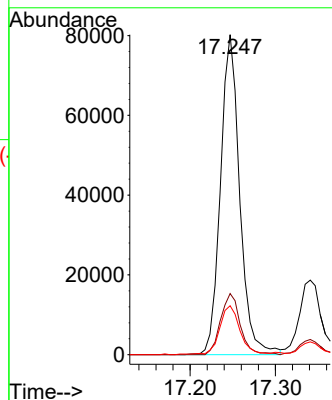
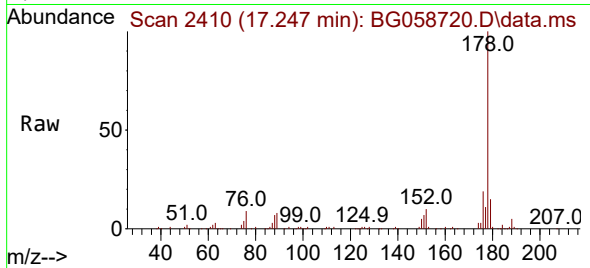




#71
Phenanthrene
Concen: 8.118 ng
RT: 17.247 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BG058720.D
Acq: 14 Aug 2023 13:11

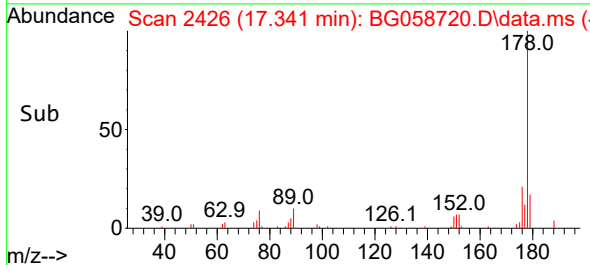
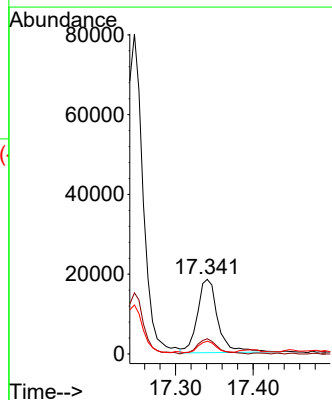
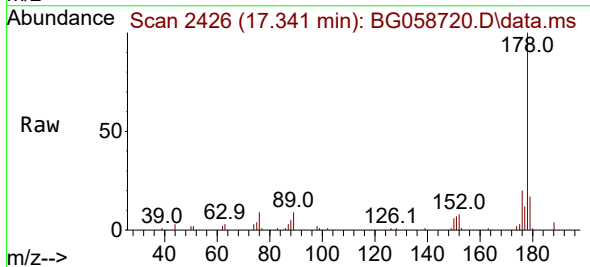
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL2

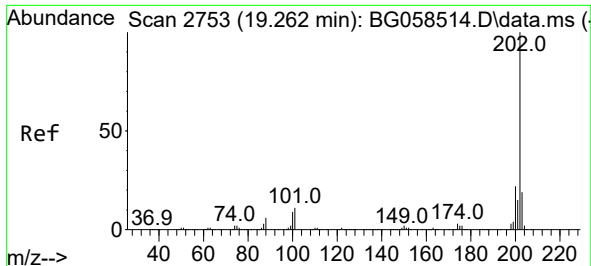
Tgt Ion:178 Resp: 125889
Ion Ratio Lower Upper
178 100
176 19.1 16.3 24.5
179 15.3 13.1 19.7



#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

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

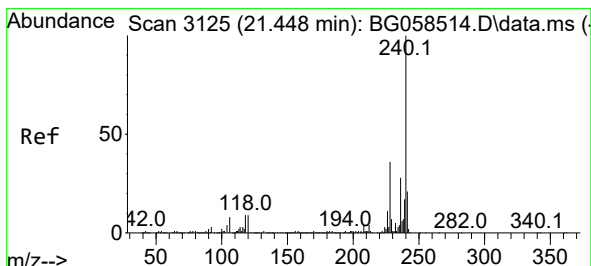
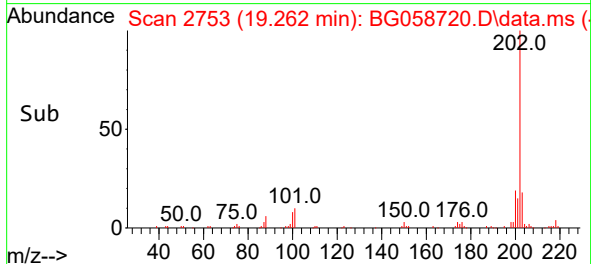
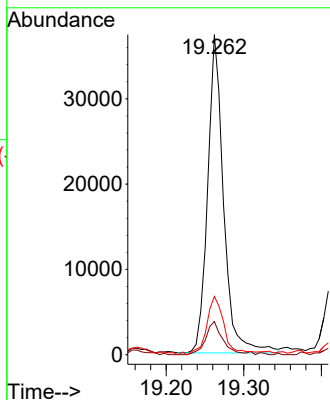
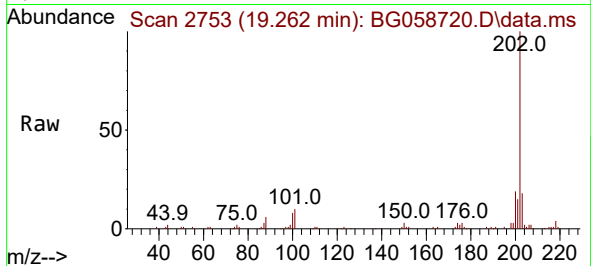




#75
Fluoranthene
Concen: 2.879 ng
RT: 19.262 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG058720.D
Acq: 14 Aug 2023 13:11

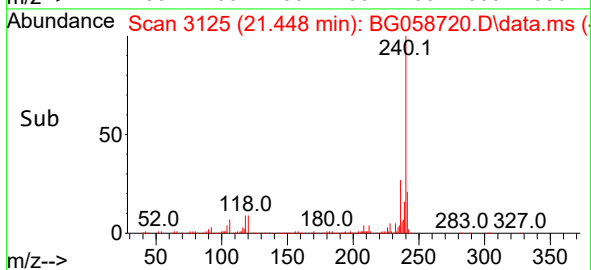
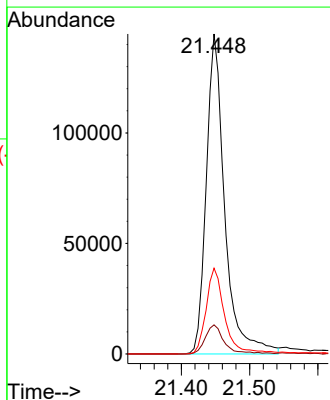
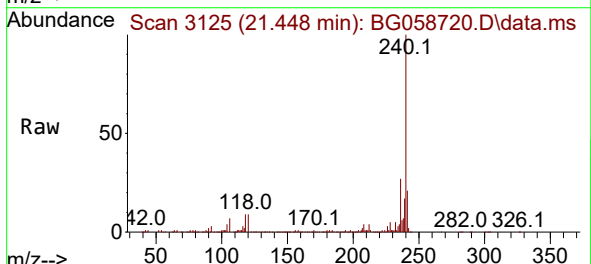
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z10-12DL2

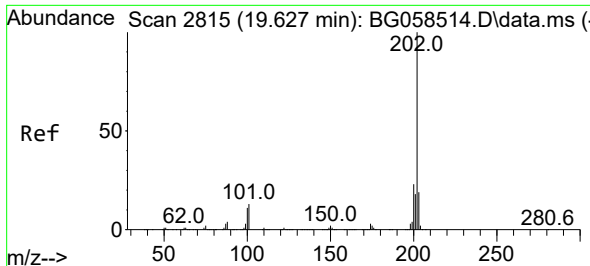
Tgt Ion:202 Resp: 53632
Ion Ratio Lower Upper
202 100
101 10.3 0.0 31.4
203 18.2 0.0 39.0



#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

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

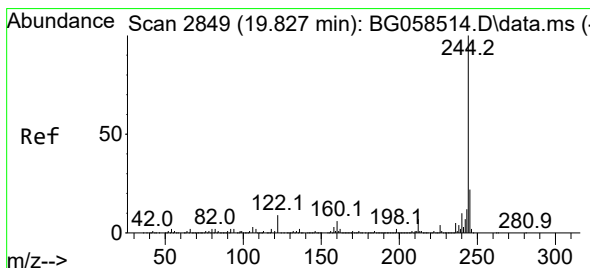
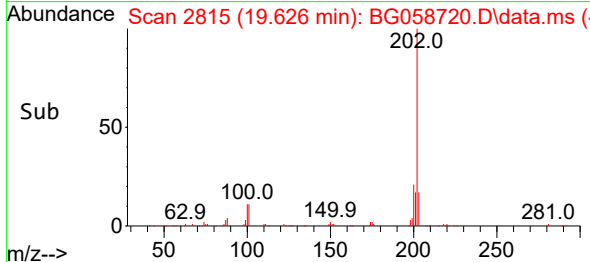
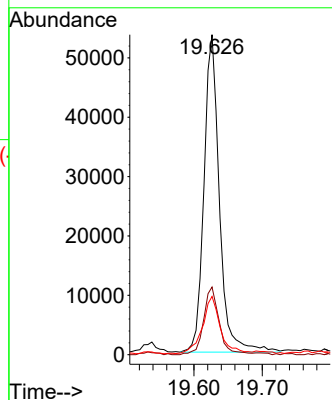
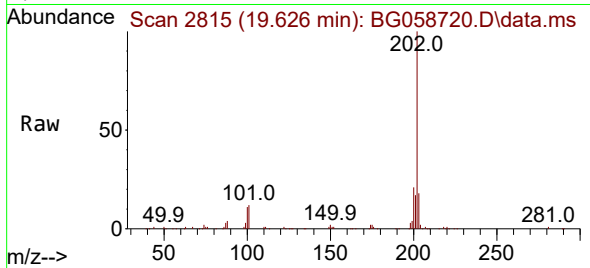




#78
 Pyrene
 Concen: 4.548 ng
 RT: 19.626 min Scan# 2815
 Delta R.T. -0.000 min
 Lab File: BG058720.D
 Acq: 14 Aug 2023 13:11

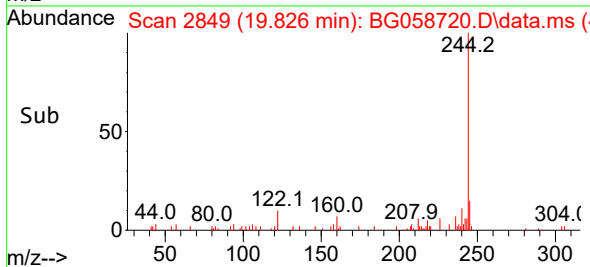
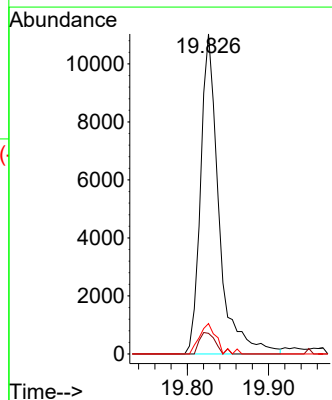
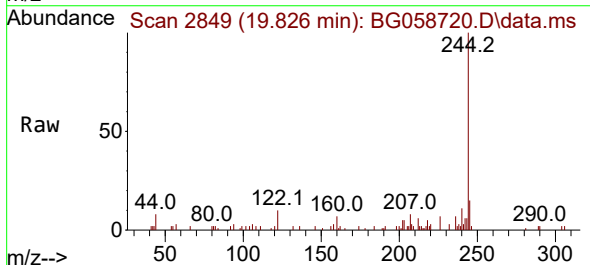
Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z10-12DL2

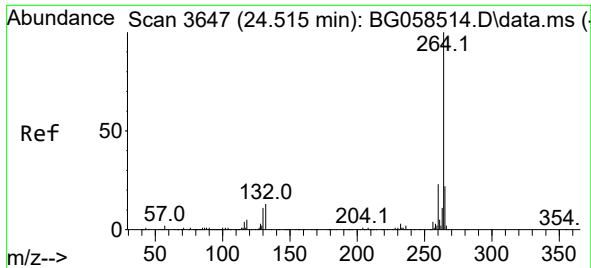
Tgt Ion:202 Resp: 84295
 Ion Ratio Lower Upper
 202 100
 200 21.2 18.2 27.2
 203 18.2 15.1 22.7



#79
 Terphenyl-d14
 Concen: 1.196 ng
 RT: 19.826 min Scan# 2849
 Delta R.T. -0.000 min
 Lab File: BG058720.D
 Acq: 14 Aug 2023 13:11

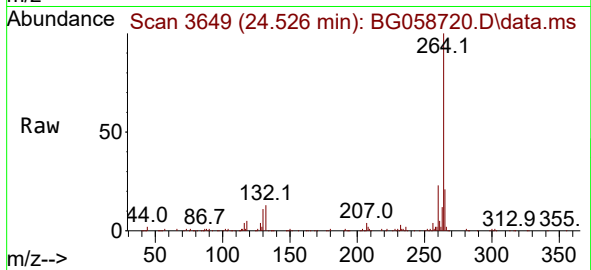
Tgt Ion:244 Resp: 17317
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.9 8.9
 122 9.5 6.8 10.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.526 min Scan# 30
 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:264 Resp: 302205
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.4 27.6
 265 21.2 17.9 26.9

