

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082323\
 Data File : BG058820.D
 Acq On : 23 Aug 2023 13:32
 Operator : MA/JU
 Sample : 04075-02DL2 250X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB04-Z23-24DL2

Quant Time: Aug 23 14:03:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 01:40:57 2023
 Response via : Initial Calibration

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

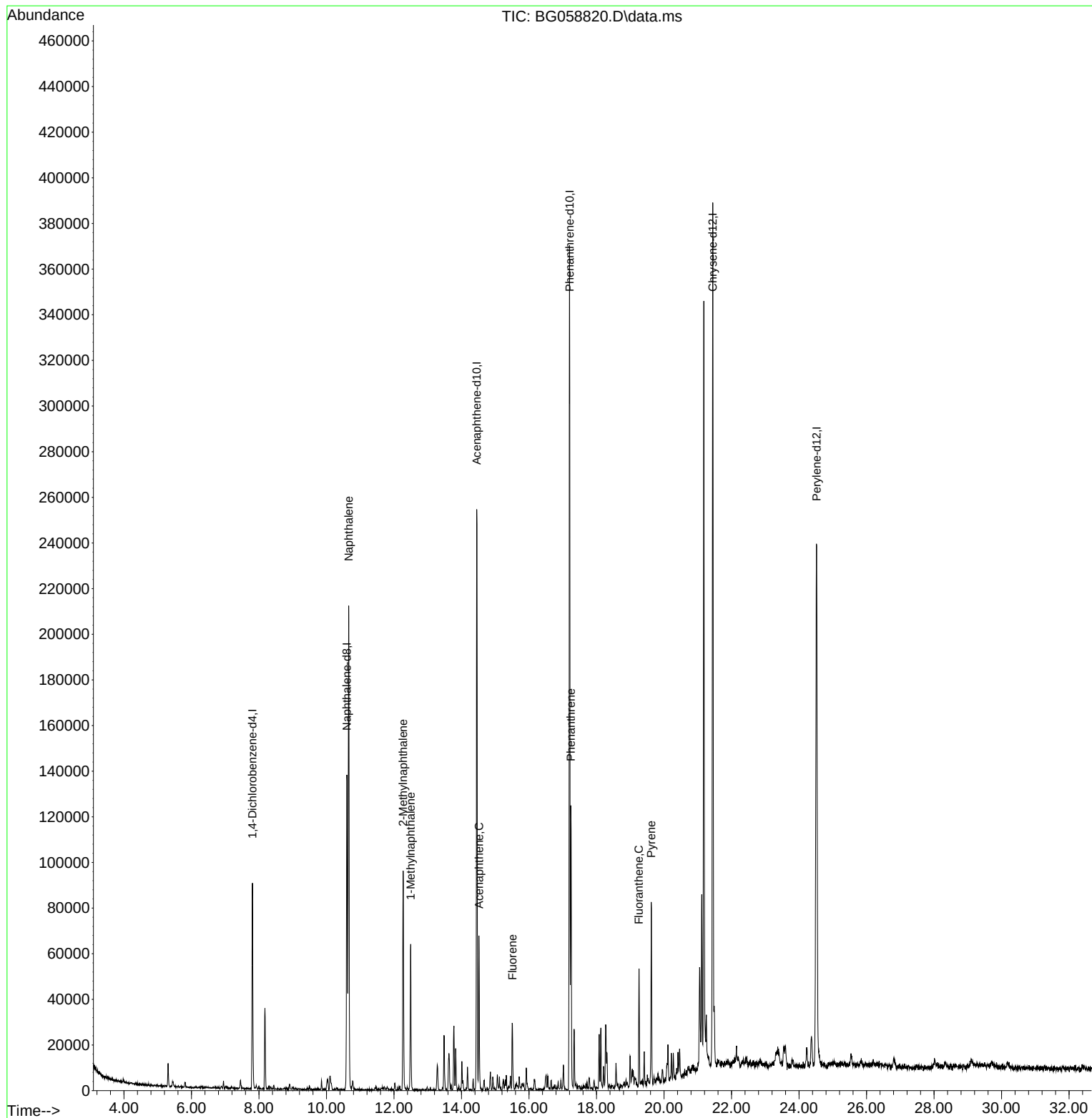
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.806	152	26041	20.000	ng	0.00
21) Naphthalene-d8	10.603	136	120189	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	96165	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	240194	20.000	ng	0.00
76) Chrysene-d12	21.443	240	210062	20.000	ng	0.00
86) Perylene-d12	24.522	264	260351	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng	
45) 2-Fluorobiphenyl	13.077	172	1020	0.154	ng	0.00
79) Terphenyl-d14	19.822	244	2347	0.201	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.656	128	176773	28.012	ng	99
37) 2-Methylnaphthalene	12.272	142	49860	11.001	ng	100
38) 1-Methylnaphthalene	12.495	142	30454	7.078	ng	97
52) Acenaphthene	14.522	154	23896	4.776	ng	93
58) Fluorene	15.509	166	16182	2.356	ng	94
71) Phenanthrene	17.242	178	80108	6.947	ng	99
75) Fluoranthene	19.258	202	33326	2.331	ng	97
78) Pyrene	19.622	202	54439	3.719	ng	97

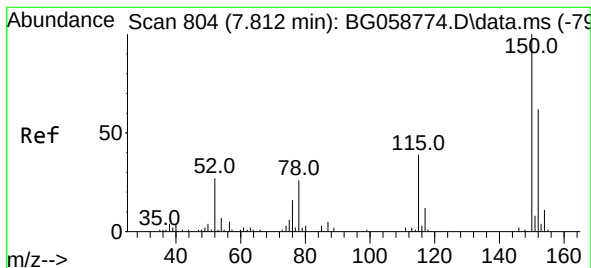
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082323\
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Quant Time: Aug 23 14:03:22 2023
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QLast Update : Mon Aug 21 01:40:57 2023
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.806 min Scan# 80

Delta R.T. -0.006 min

Lab File: BG058820.D

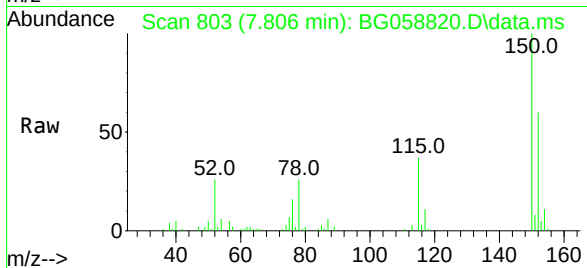
Acq: 23 Aug 2023 13:32

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB04-Z23-24DL2



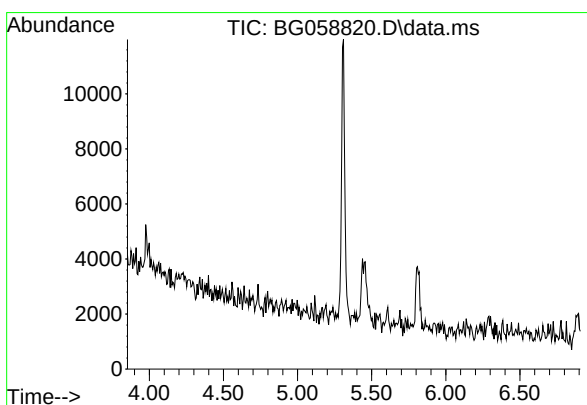
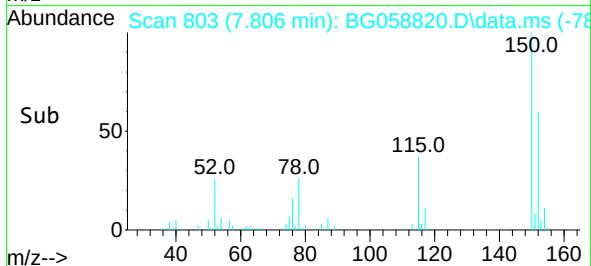
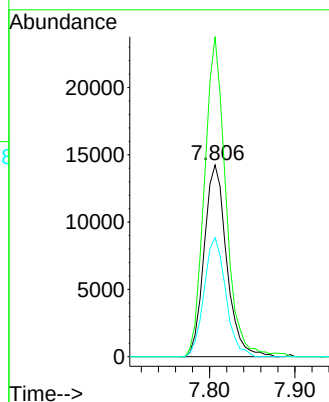
Tgt Ion:152 Resp: 26041

Ion Ratio Lower Upper

152 100

150 166.9 128.6 192.8

115 62.1 50.4 75.6



#5

2-Fluorophenol

Concen: 0.000 ng

Expected RT: 5.38 min

Lab File: BG058820.D

Acq: 23 Aug 2023 13:32

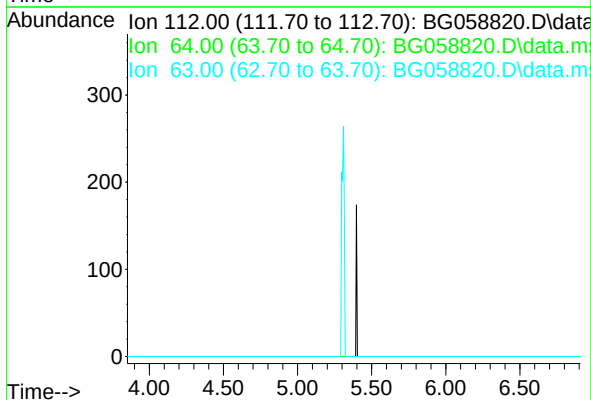
Tgt Ion: 112

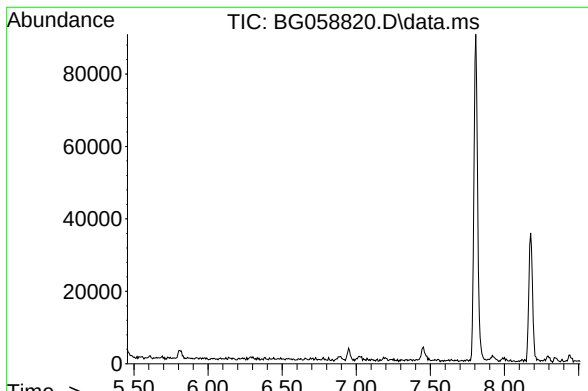
Sig Exp Ratio

112 100

64 75.7

63 38.7



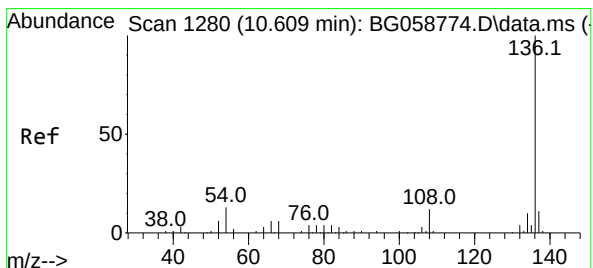
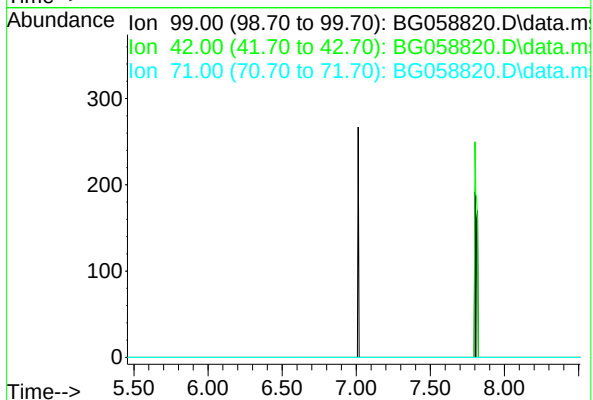


#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.98 min
 Lab File: BG058820.D
 Acq: 23 Aug 2023 13:32

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB04-Z23-24DL2

Tgt Ion: 99

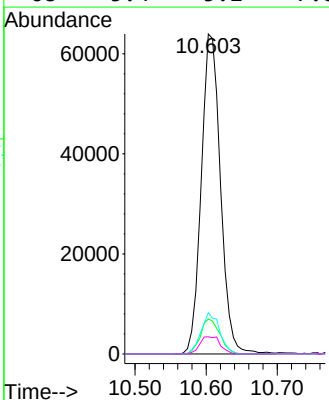
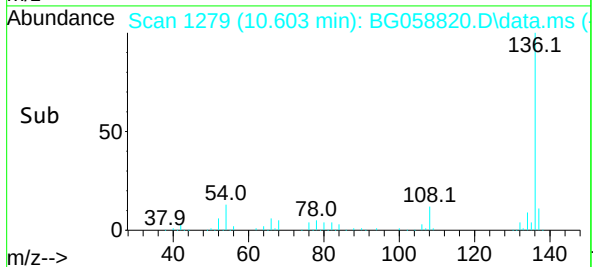
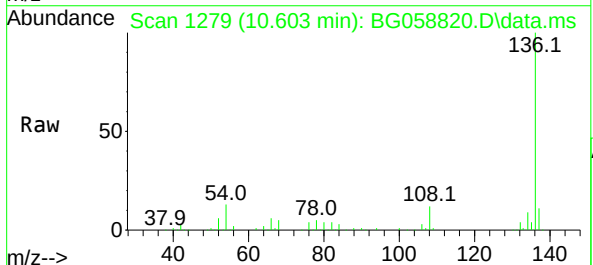
Sig	Exp Ratio
99	100
42	20.6
71	35.5

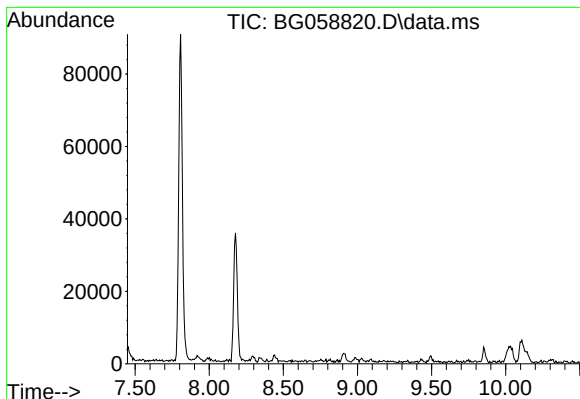


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.603 min Scan# 1279
 Delta R.T. -0.006 min
 Lab File: BG058820.D
 Acq: 23 Aug 2023 13:32

Tgt Ion: 136 Resp: 120189

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	12.9	10.1	15.1
68	5.4	5.2	7.8

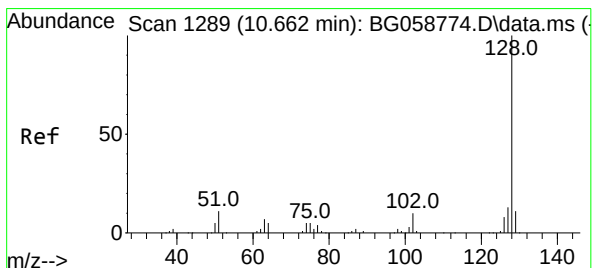
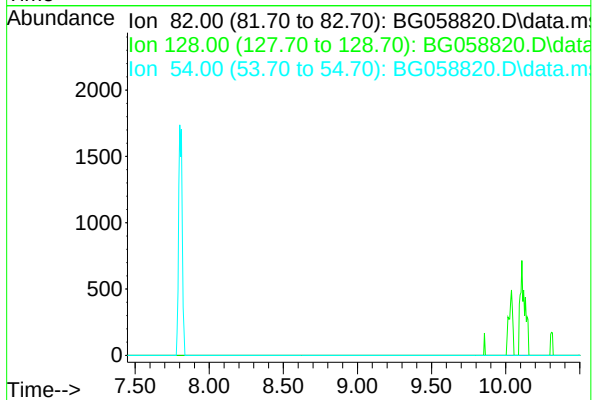




#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 8.98 min
 Lab File: BG058820.D
 Acq: 23 Aug 2023 13:32

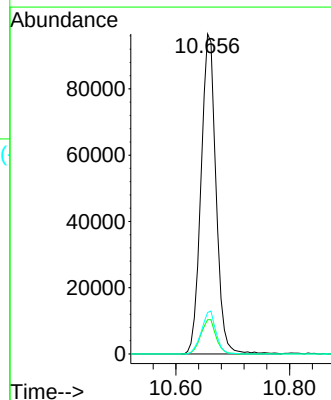
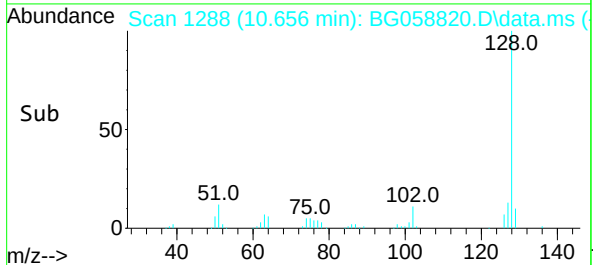
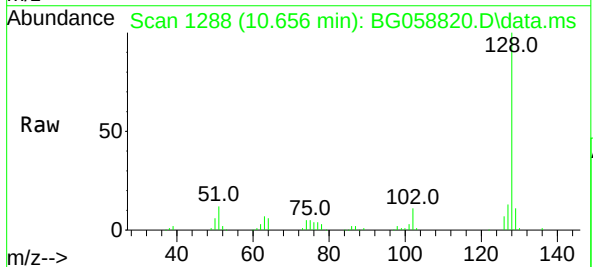
Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB04-Z23-24DL2

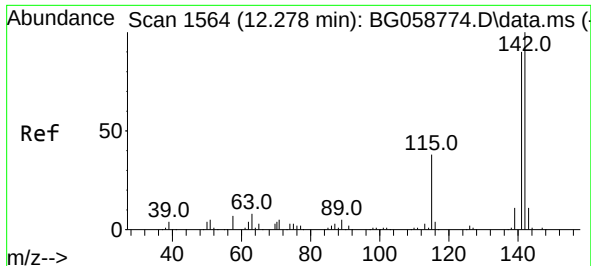
Tgt Ion: 82
 Sig Exp Ratio
 82 100
 128 41.5
 54 64.0



#31
 Naphthalene
 Concen: 28.012 ng
 RT: 10.656 min Scan# 1288
 Delta R.T. -0.006 min
 Lab File: BG058820.D
 Acq: 23 Aug 2023 13:32

Tgt Ion:128 Resp: 176773
 Ion Ratio Lower Upper
 128 100
 129 10.7 8.9 13.3
 127 13.0 10.6 15.8

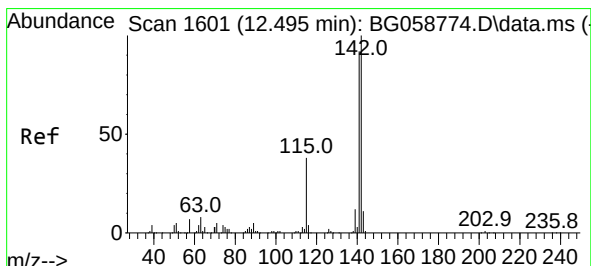
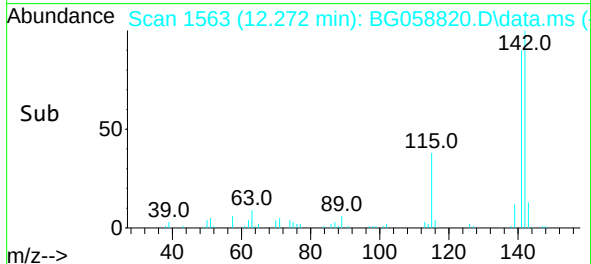
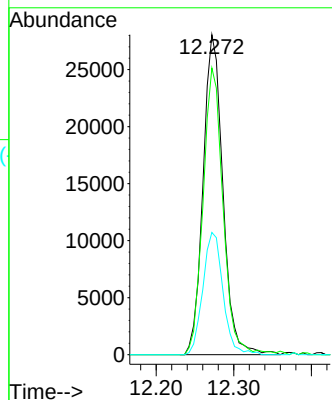
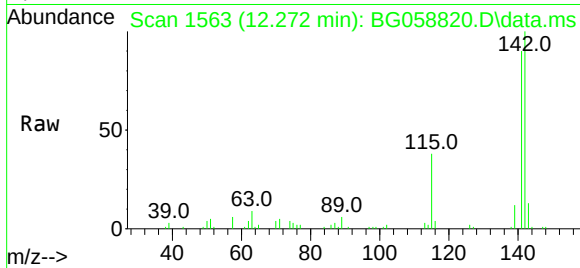




#37
2-Methylnaphthalene
Concen: 11.001 ng
RT: 12.272 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BG058820.D
Acq: 23 Aug 2023 13:32

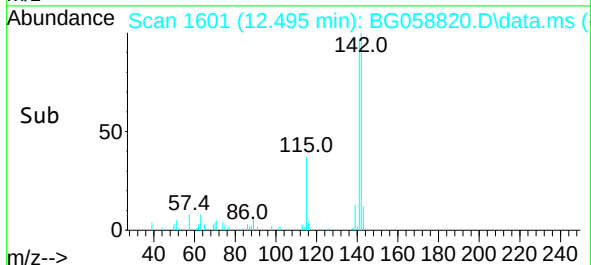
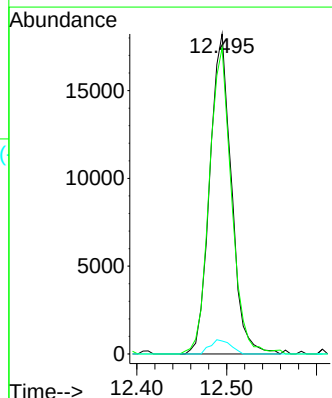
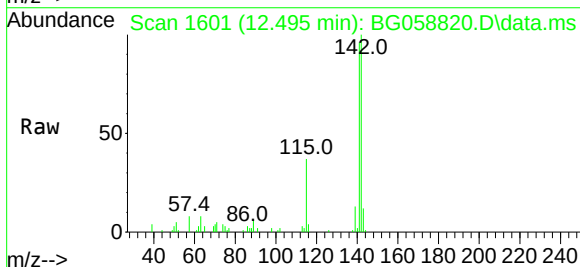
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB04-Z23-24DL2

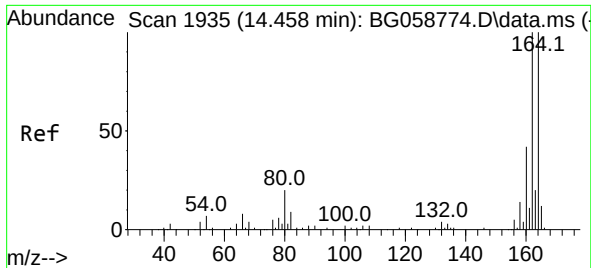
Tgt Ion:142 Resp: 49860
Ion Ratio Lower Upper
142 100
141 89.6 71.8 107.8
115 38.2 30.6 45.8



#38
1-Methylnaphthalene
Concen: 7.078 ng
RT: 12.495 min Scan# 1601
Delta R.T. -0.000 min
Lab File: BG058820.D
Acq: 23 Aug 2023 13:32

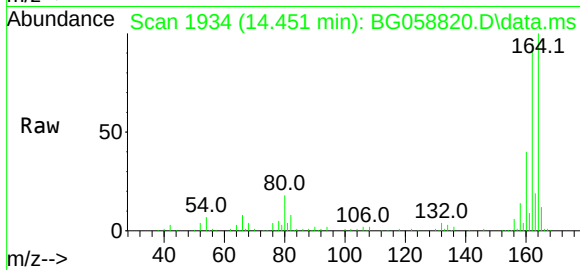
Tgt Ion:142 Resp: 30454
Ion Ratio Lower Upper
142 100
141 95.7 73.9 110.9
116 4.0 3.2 4.8



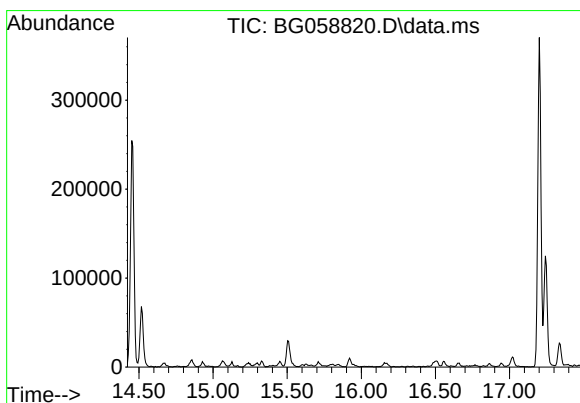
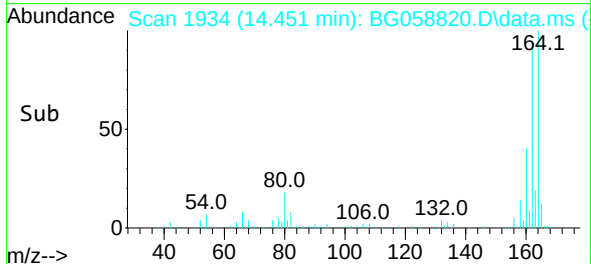
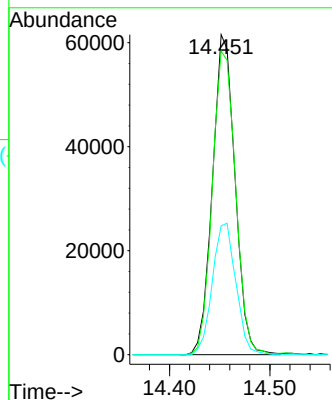


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.451 min Scan# 1934
 Delta R.T. -0.006 min
 Lab File: BG058820.D
 Acq: 23 Aug 2023 13:32

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB04-Z23-24DL2



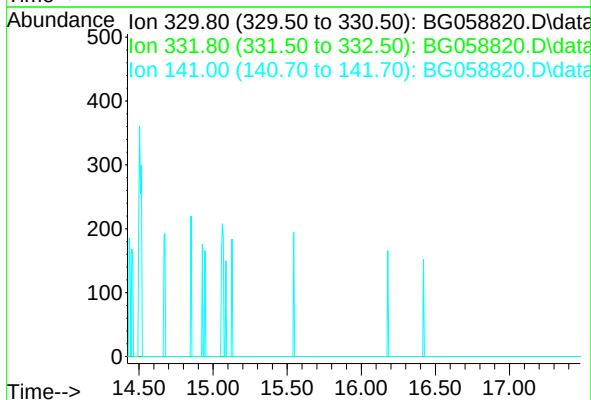
Tgt Ion:164 Resp: 96165
 Ion Ratio Lower Upper
 164 100
 162 94.9 79.6 119.4
 160 40.2 34.0 51.0

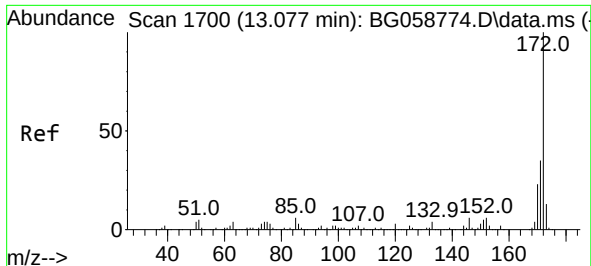


#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 15.95 min

Lab File: BG058820.D
 Acq: 23 Aug 2023 13:32

Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 98.1
 141 28.8

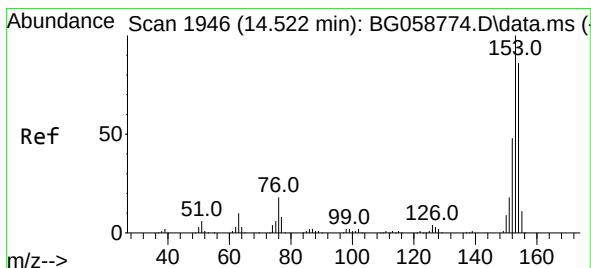
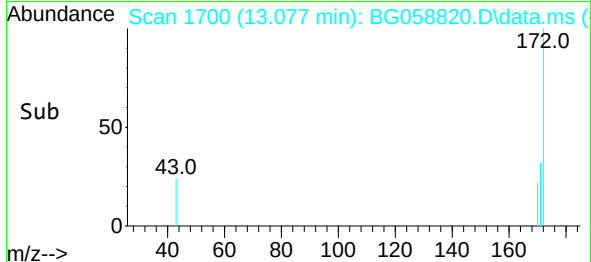
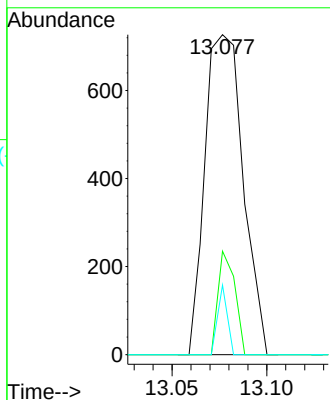
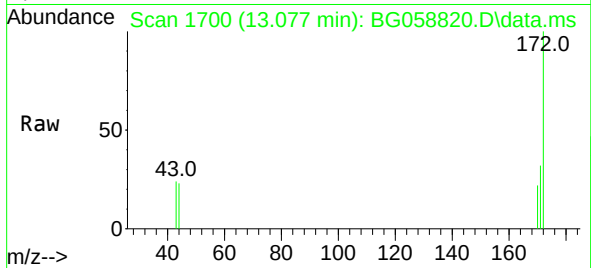




#45
2-Fluorobiphenyl
Concen: 0.154 ng
RT: 13.077 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG058820.D
Acq: 23 Aug 2023 13:32

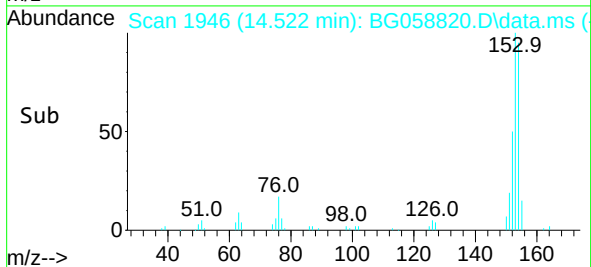
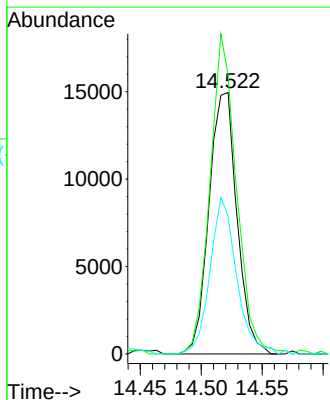
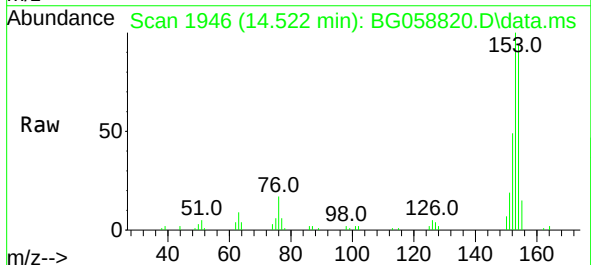
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB04-Z23-24DL2

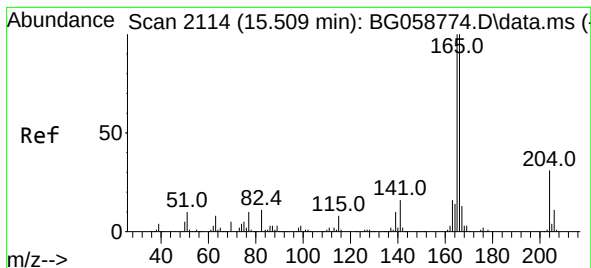
Tgt Ion:	172	Resp:	1020
Ion	Ratio	Lower	Upper
172	100		
171	32.3	28.1	42.1
170	21.7	18.6	27.8



#52
Acenaphthene
Concen: 4.776 ng
RT: 14.522 min Scan# 1946
Delta R.T. -0.000 min
Lab File: BG058820.D
Acq: 23 Aug 2023 13:32

Tgt Ion:	154	Resp:	23896
Ion	Ratio	Lower	Upper
154	100		
153	106.6	92.7	139.1
152	52.7	44.2	66.2





#58

Fluorene

Concen: 2.356 ng

RT: 15.509 min Scan# 2114

Delta R.T. -0.000 min

Lab File: BG058820.D

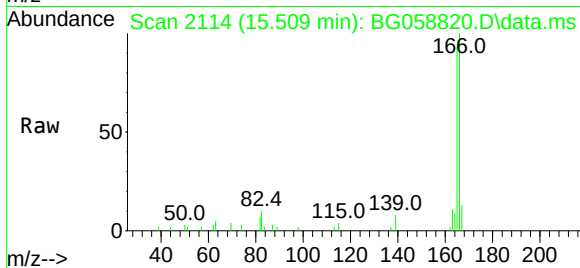
Acq: 23 Aug 2023 13:32

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB04-Z23-24DL2



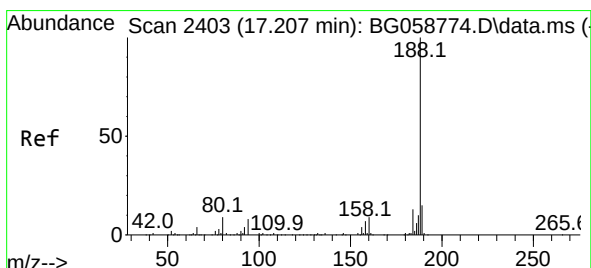
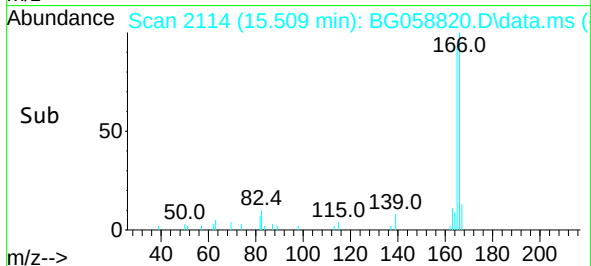
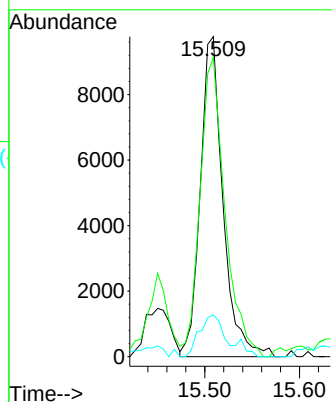
Tgt Ion:166 Resp: 16182

Ion Ratio Lower Upper

166 100

165 93.5 79.9 119.9

167 13.0 10.7 16.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.201 min Scan# 2402

Delta R.T. -0.006 min

Lab File: BG058820.D

Acq: 23 Aug 2023 13:32

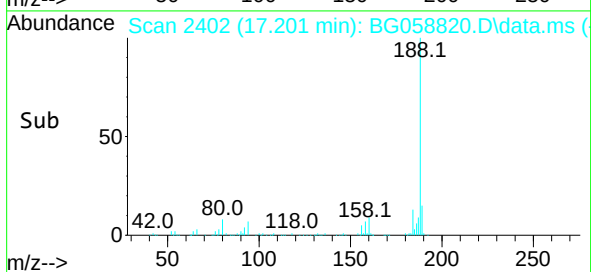
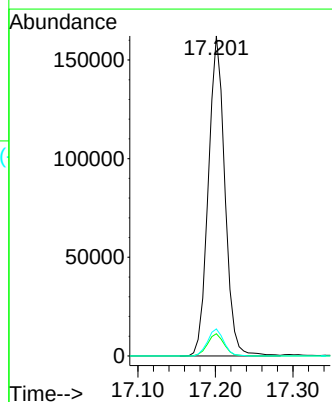
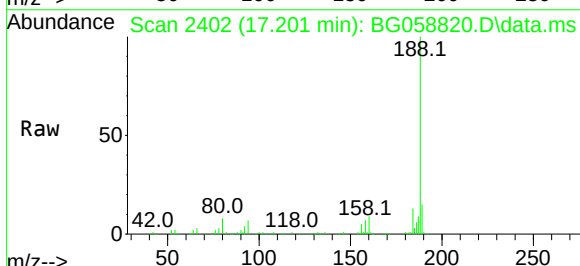
Tgt Ion:188 Resp: 240194

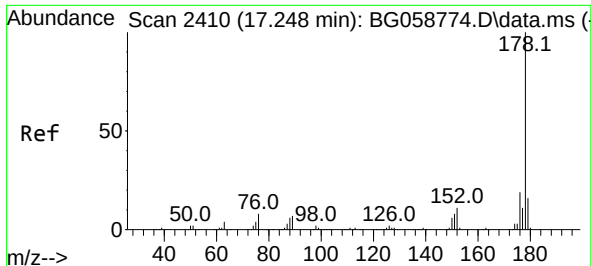
Ion Ratio Lower Upper

188 100

94 6.9 6.1 9.1

80 8.5 6.9 10.3

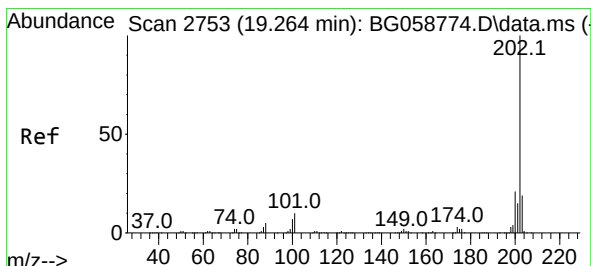
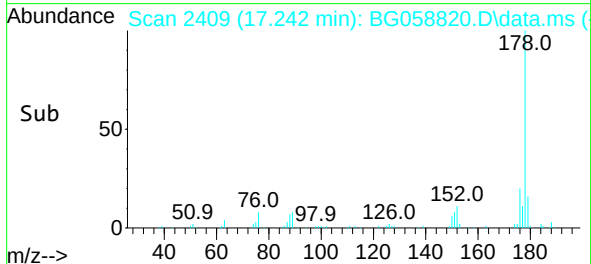
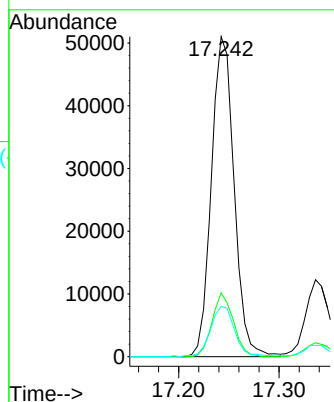
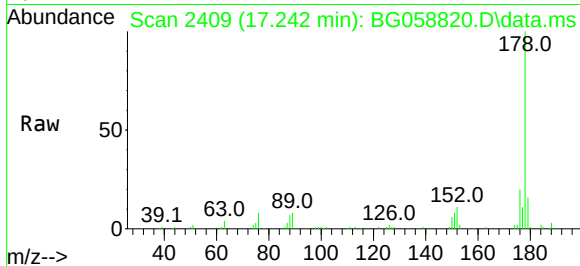




#71
Phenanthrene
Concen: 6.947 ng
RT: 17.242 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BG058820.D
Acq: 23 Aug 2023 13:32

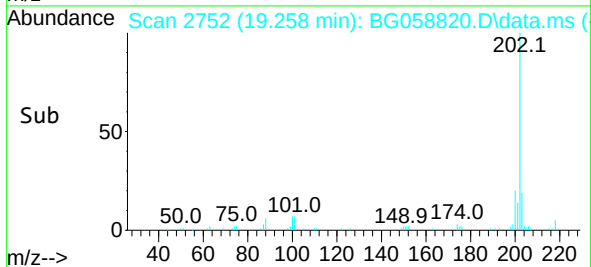
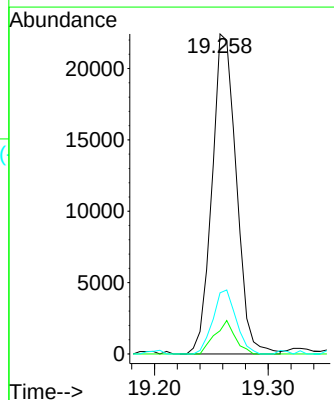
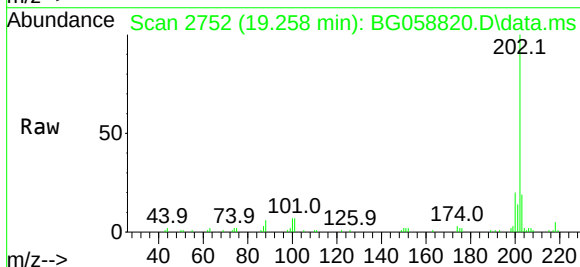
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB04-Z23-24DL2

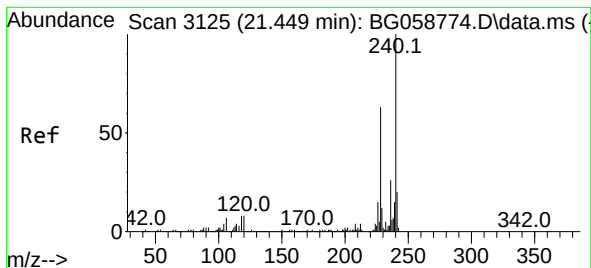
Tgt Ion:178 Resp: 80108
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 15.7 13.0 19.4



#75
Fluoranthene
Concen: 2.331 ng
RT: 19.258 min Scan# 2752
Delta R.T. -0.006 min
Lab File: BG058820.D
Acq: 23 Aug 2023 13:32

Tgt Ion:202 Resp: 33326
Ion Ratio Lower Upper
202 100
101 7.2 0.0 29.7
203 19.1 0.0 38.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.443 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG058820.D

Acq: 23 Aug 2023 13:32

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB04-Z23-24DL2

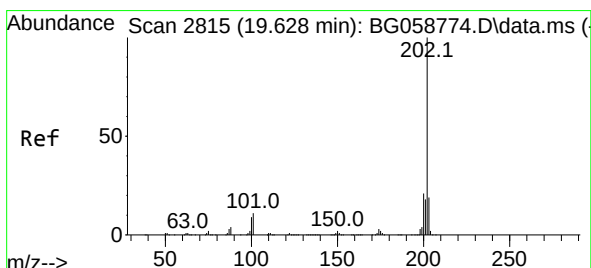
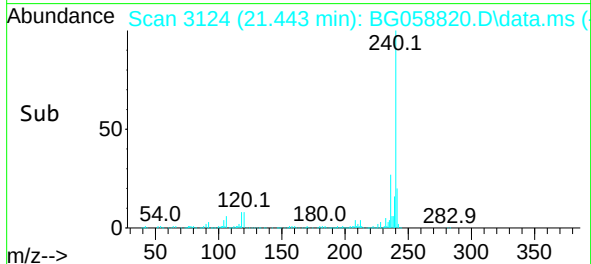
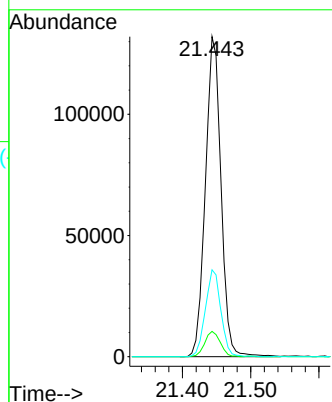
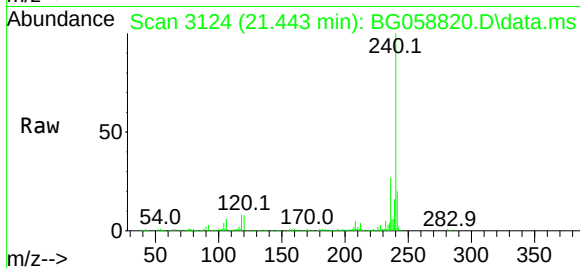
Tgt Ion:240 Resp: 210062

Ion Ratio Lower Upper

240 100

120 7.9 6.2 9.2

236 27.1 20.5 30.7



#78

Pyrene

Concen: 3.719 ng

RT: 19.622 min Scan# 2814

Delta R.T. -0.006 min

Lab File: BG058820.D

Acq: 23 Aug 2023 13:32

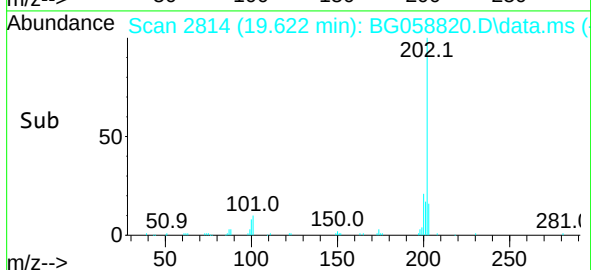
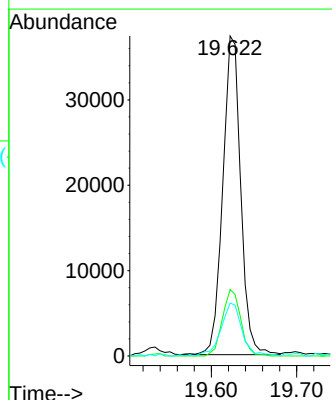
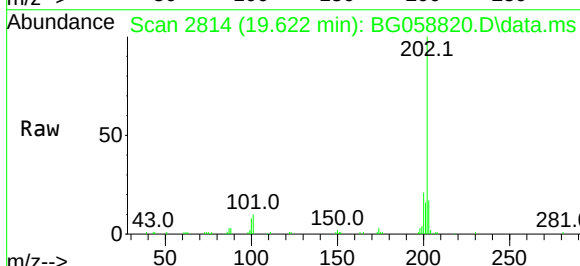
Tgt Ion:202 Resp: 54439

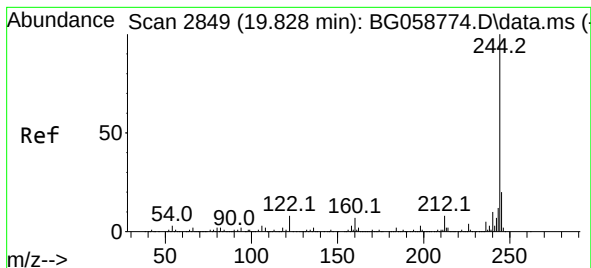
Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 16.6 15.3 22.9





#79

Terphenyl-d14

Concen: 0.201 ng

RT: 19.822 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG058820.D

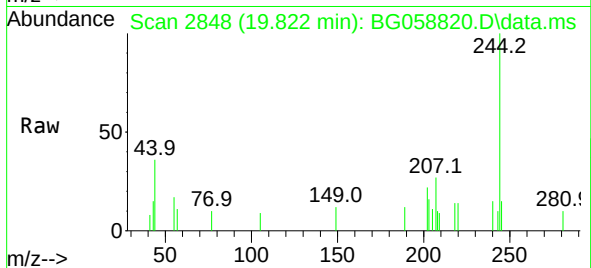
Acq: 23 Aug 2023 13:32

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB04-Z23-24DL2



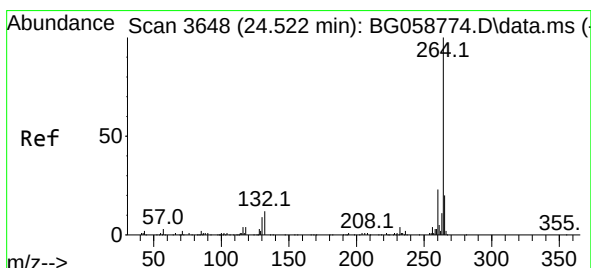
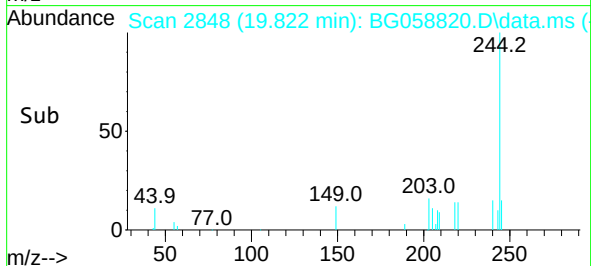
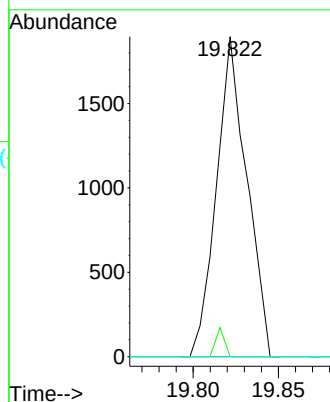
Tgt Ion:244 Resp: 2347

Ion Ratio Lower Upper

244 100

212 0.0 6.2 9.2#

122 0.0 6.3 9.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.522 min Scan# 3648

Delta R.T. -0.000 min

Lab File: BG058820.D

Acq: 23 Aug 2023 13:32

Tgt Ion:264 Resp: 260351

Ion Ratio Lower Upper

264 100

260 23.1 18.2 27.2

265 22.2 16.4 24.6

