

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081423\
 Data File : BG058721.D
 Acq On : 14 Aug 2023 13:52
 Operator : MA/JU
 Sample : 03958-05DL2 100X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z37-39DL2

Quant Time: Aug 14 15:05:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 22:29:07 2023
 Response via : Initial Calibration

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

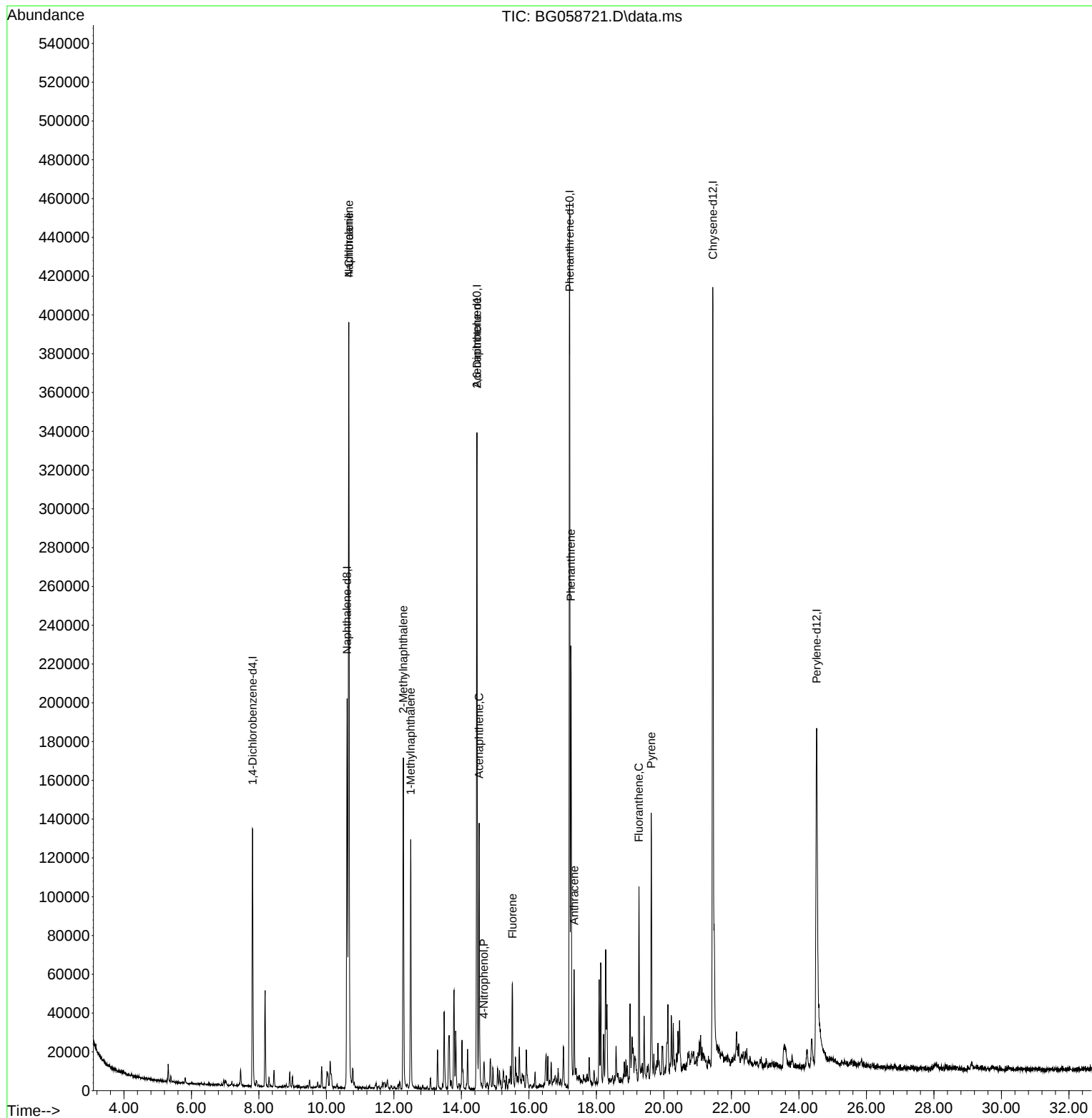
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.814	152	39568	20.000	ng	0.00
21) Naphthalene-d8	10.611	136	180186	20.000	ng	0.00
39) Acenaphthene-d10	14.459	164	127554	20.000	ng	0.00
64) Phenanthrene-d10	17.203	188	311920	20.000	ng	0.00
76) Chrysene-d12	21.451	240	268557	20.000	ng	0.00
86) Perylene-d12	24.524	264	263083	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.388	112	1722	0.665	ng	0.00
7) Phenol-d6	6.997	99	2116	0.587	ng	0.01
23) Nitrobenzene-d5	8.989	82	1123	0.306	ng	0.00
42) 2,4,6-Tribromophenol	15.981	330	242	0.116	ng	0.03
45) 2-Fluorobiphenyl	13.084	172	4365	0.513	ng	0.00
79) Terphenyl-d14	19.824	244	8563	0.600	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.664	128	351327	36.994	ng	99
33) 4-Chloroaniline	10.664	127	46118	11.494	ng	# 33
37) 2-Methylnaphthalene	12.279	142	92212	13.574	ng	96
38) 1-Methylnaphthalene	12.497	142	63549	9.841	ng	98
51) 2,6-Dinitrotoluene	14.459	165	17459	8.306	ng	# 25
52) Acenaphthene	14.524	154	49632	7.512	ng	100
56) 4-Nitrophenol	14.665	139	521	3.645	ng	# 3
58) Fluorene	15.511	166	27250	3.021	ng	100
71) Phenanthrene	17.244	178	147625	9.980	ng	100
72) Anthracene	17.338	178	41774	2.752	ng	98
75) Fluoranthene	19.259	202	60639	3.413	ng	98
78) Pyrene	19.624	202	94860	5.190	ng	96

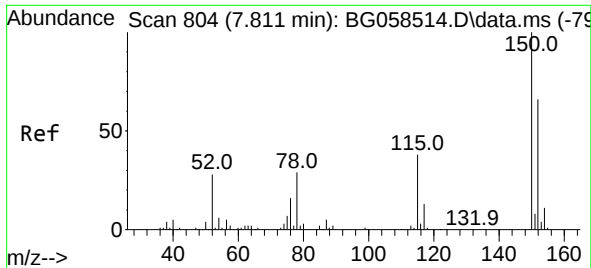
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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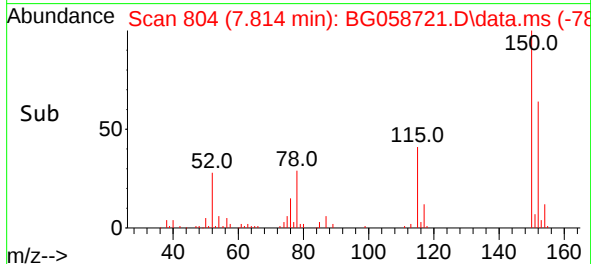
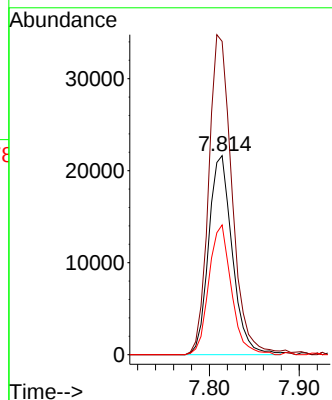
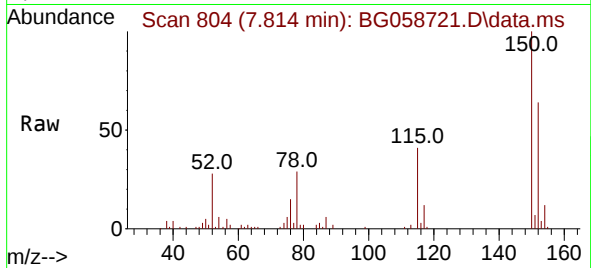




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.814 min Scan# 804
Delta R.T. 0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

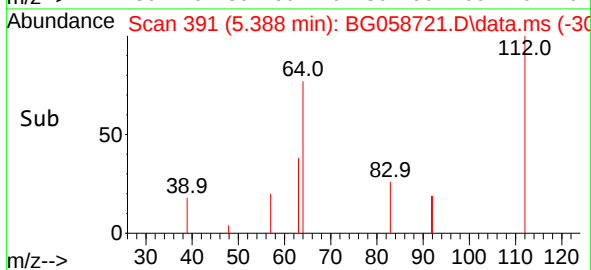
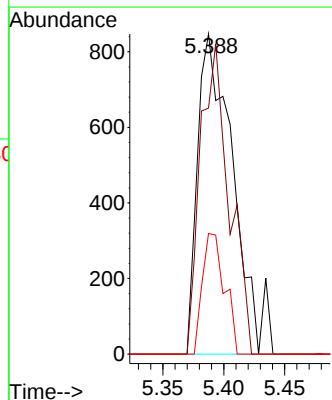
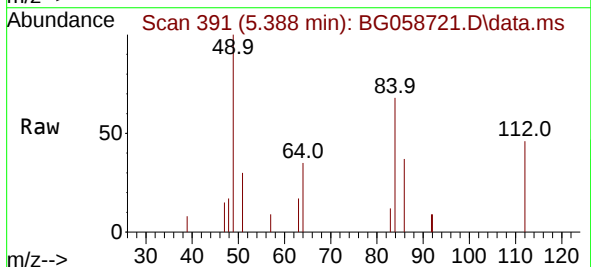
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL2

Tgt Ion:152 Resp: 39568
Ion Ratio Lower Upper
152 100
150 157.4 120.5 180.7
115 65.2 45.9 68.9



#5
2-Fluorophenol
Concen: 0.665 ng
RT: 5.388 min Scan# 391
Delta R.T. 0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

Tgt Ion:112 Resp: 1722
Ion Ratio Lower Upper
112 100
64 76.9 55.3 82.9
63 37.7 28.3 42.5

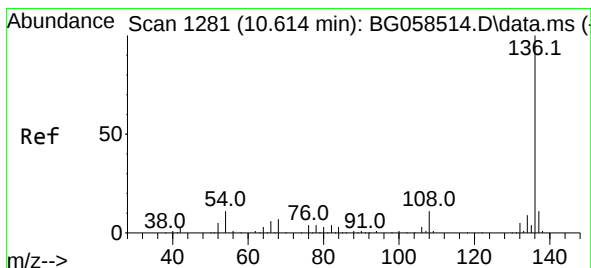
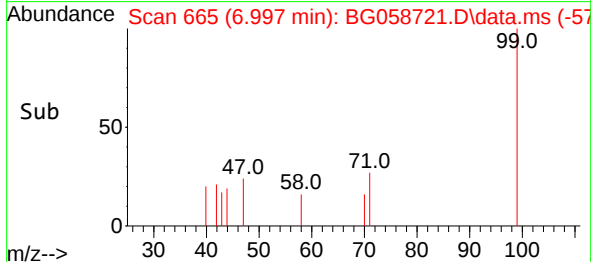
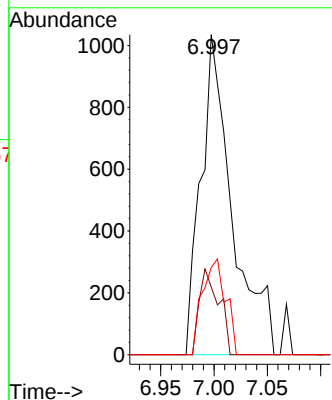
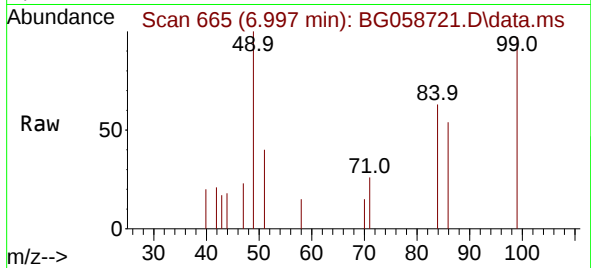




#7
Phenol-d6
Concen: 0.587 ng
RT: 6.997 min Scan# 60
Delta R.T. 0.015 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

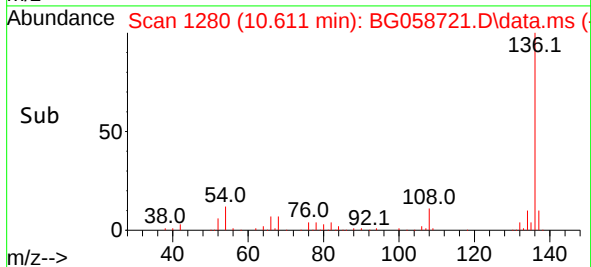
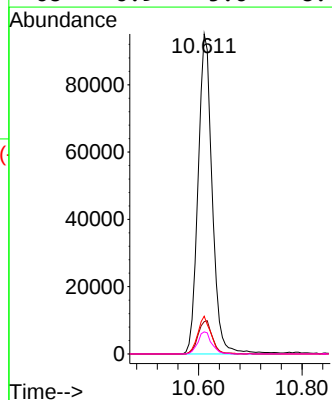
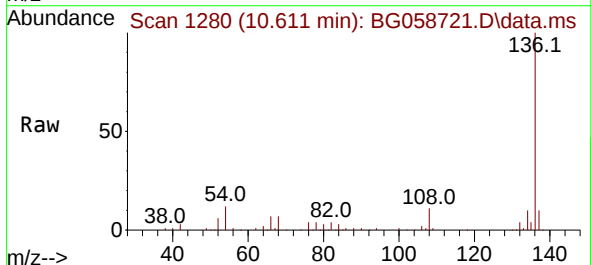
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL2

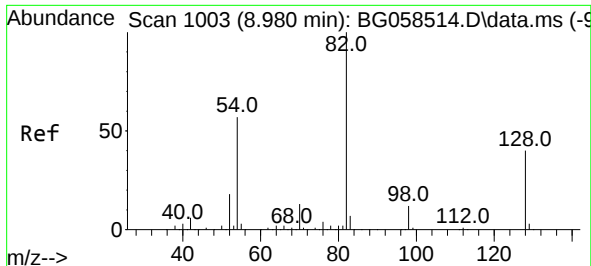
Tgt Ion:	99	Resp:	2116
Ion	Ratio	Lower	Upper
99	100		
42	21.2	14.6	21.8
71	27.2	25.0	37.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.611 min Scan# 1280
Delta R.T. -0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

Tgt Ion:	136	Resp:	180186
Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.6	13.0
54	11.8	8.9	13.3
68	6.9	5.6	8.4

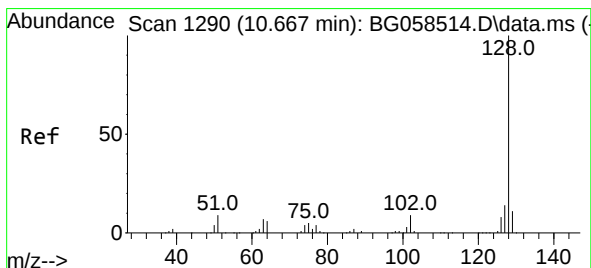
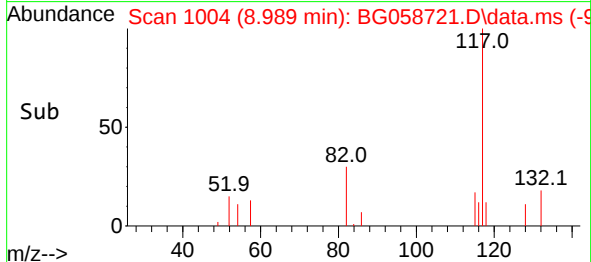
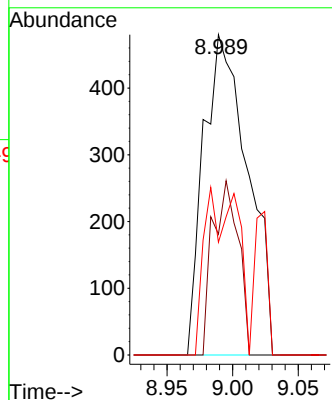
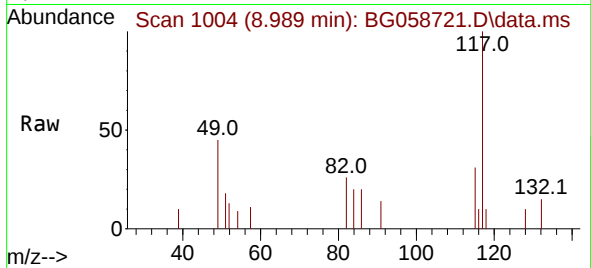




#23
 Nitrobenzene-d5
 Concen: 0.306 ng
 RT: 8.989 min Scan# 1004
 Delta R.T. 0.009 min
 Lab File: BG058721.D
 Acq: 14 Aug 2023 13:52

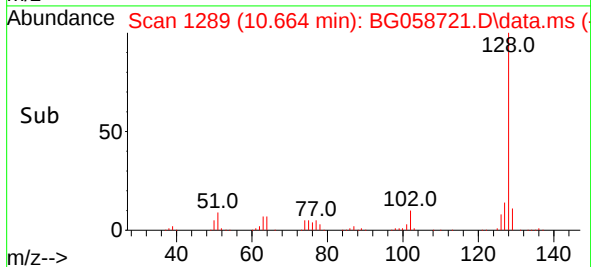
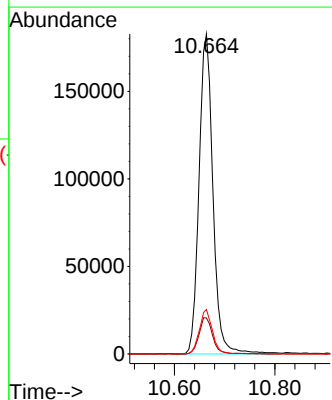
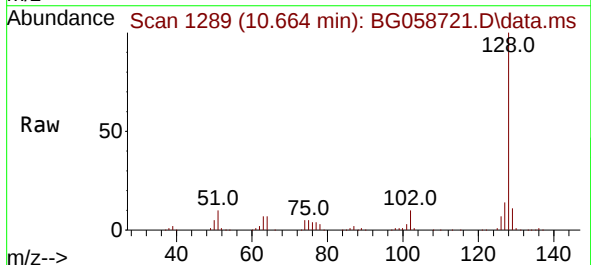
Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z37-39DL2

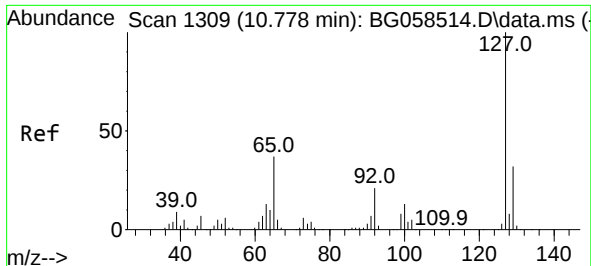
Tgt Ion: 82 Resp: 1123
 Ion Ratio Lower Upper
 82 100
 128 37.7 32.2 48.2
 54 35.2 46.0 69.0#



#31
 Naphthalene
 Concen: 36.994 ng
 RT: 10.664 min Scan# 1289
 Delta R.T. -0.003 min
 Lab File: BG058721.D
 Acq: 14 Aug 2023 13:52

Tgt Ion: 128 Resp: 351327
 Ion Ratio Lower Upper
 128 100
 129 11.2 8.8 13.2
 127 13.9 10.9 16.3

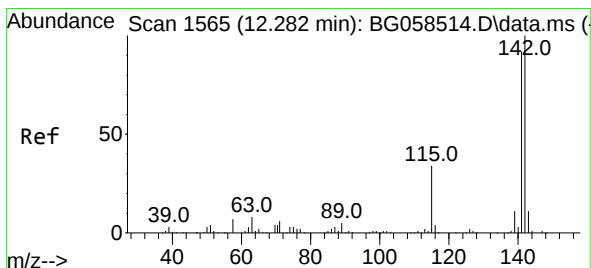
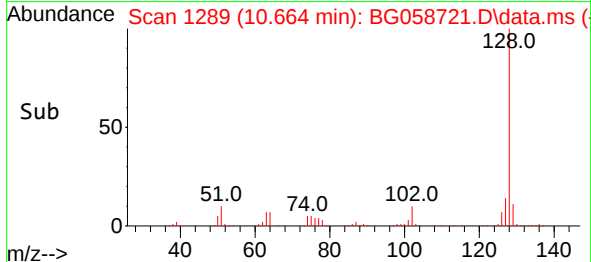
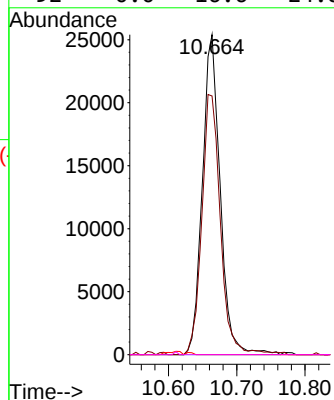
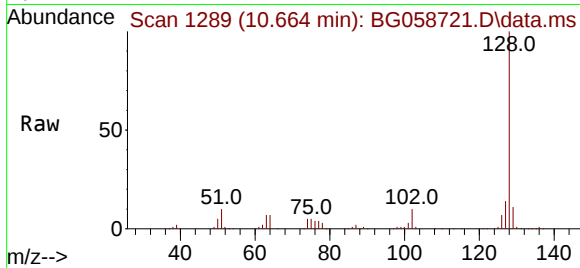




#33
4-Chloroaniline
Concen: 11.494 ng
RT: 10.664 min Scan# 11
Delta R.T. -0.115 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

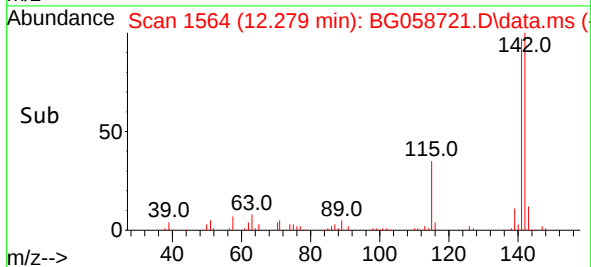
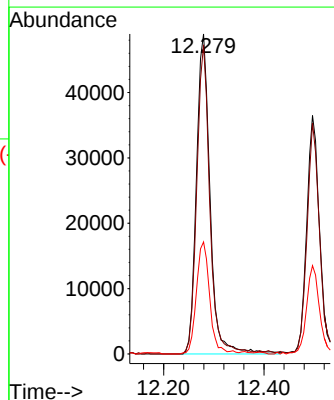
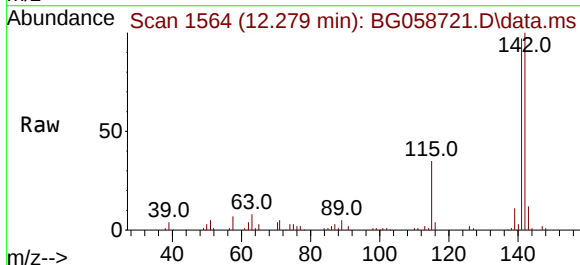
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL2

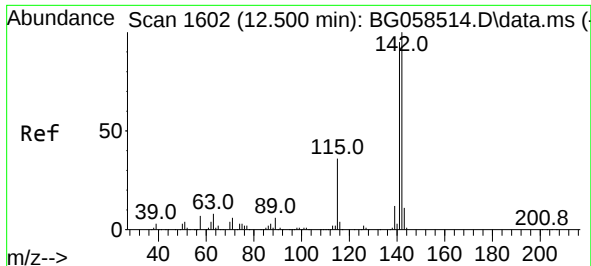
Tgt Ion:127	Resp:	46118
Ion Ratio	Lower	Upper
127	100	
129	80.9	25.4 38.2#
65	0.0	29.5 44.3#
92	0.0	16.6 24.8#



#37
2-Methylnaphthalene
Concen: 13.574 ng
RT: 12.279 min Scan# 1564
Delta R.T. -0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

Tgt Ion:142	Resp:	92212
Ion Ratio	Lower	Upper
142	100	
141	96.6	73.5 110.3
115	35.0	27.4 41.0

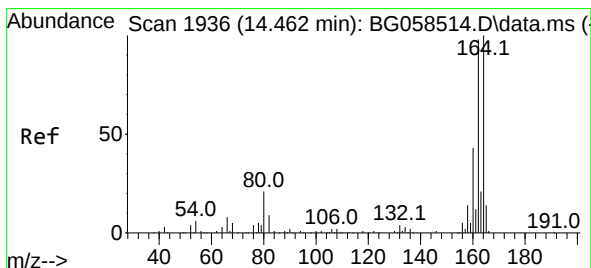
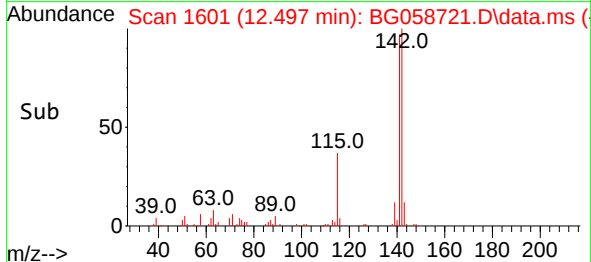
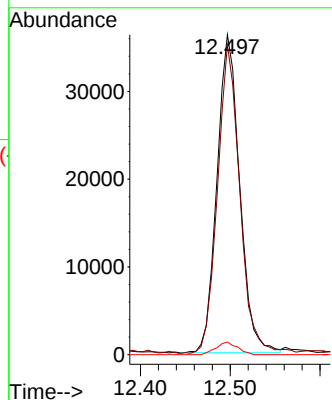
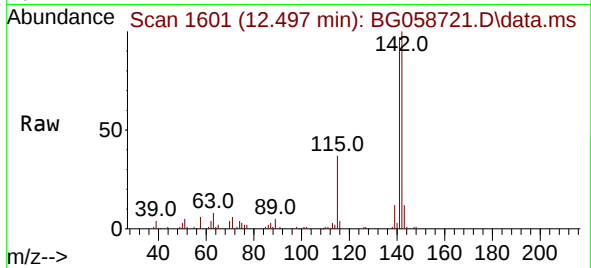




#38
1-Methylnaphthalene
Concen: 9.841 ng
RT: 12.497 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

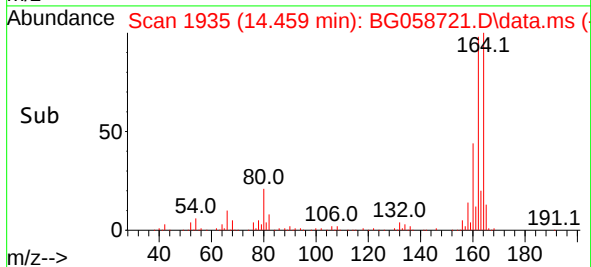
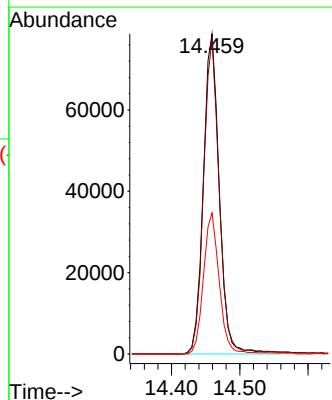
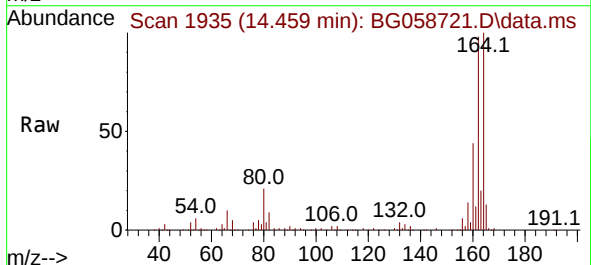
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL2

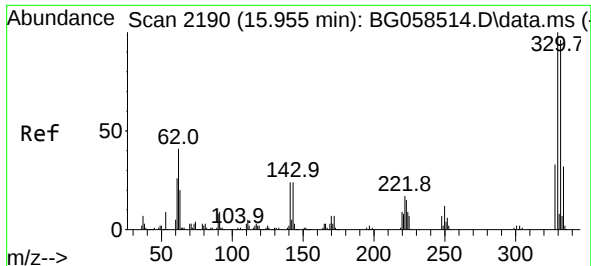
Tgt Ion:142 Resp: 63549
Ion Ratio Lower Upper
142 100
141 96.9 75.7 113.5
116 4.0 3.2 4.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.459 min Scan# 1935
Delta R.T. -0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

Tgt Ion:164 Resp: 127554
Ion Ratio Lower Upper
164 100
162 98.3 78.3 117.5
160 44.0 34.1 51.1





#42

2,4,6-Tribromophenol

Concen: 0.116 ng

RT: 15.981 min Scan# 21

Delta R.T. 0.026 min

Lab File: BG058721.D

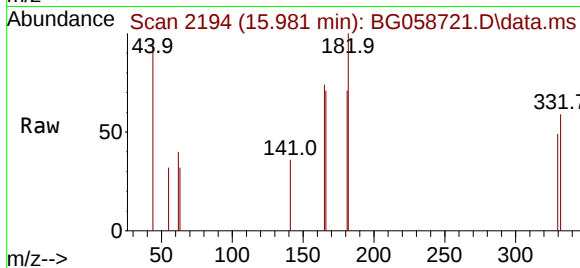
Acq: 14 Aug 2023 13:52

Instrument :

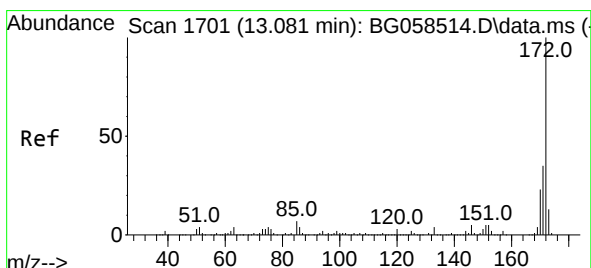
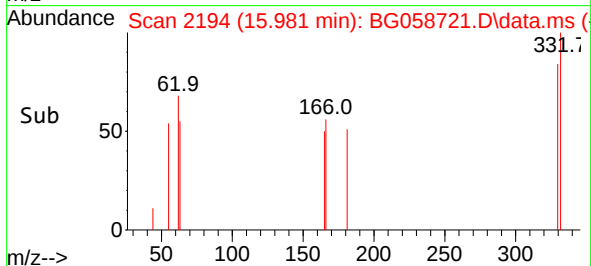
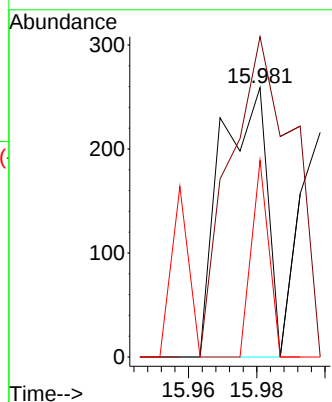
BNA_G

ClientSampleId :

NEVINS-SB02-Z37-39DL2



Tgt Ion:	330	Resp:	242
Ion	Ratio	Lower	Upper
330	100		
332	163.6	77.5	116.3#
141	27.7	20.7	31.1



#45

2-Fluorobiphenyl

Concen: 0.513 ng

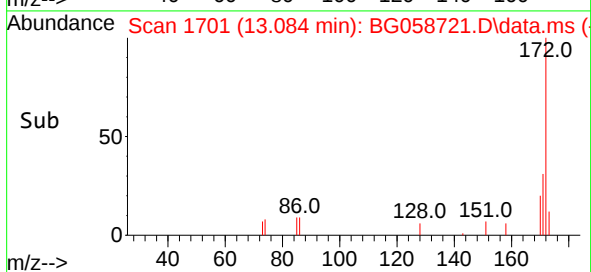
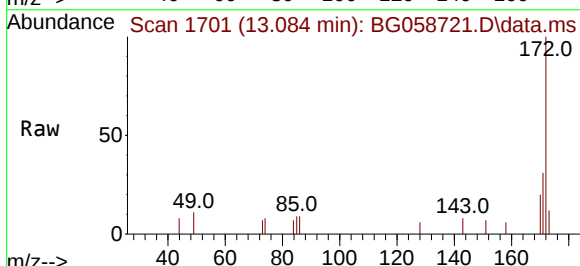
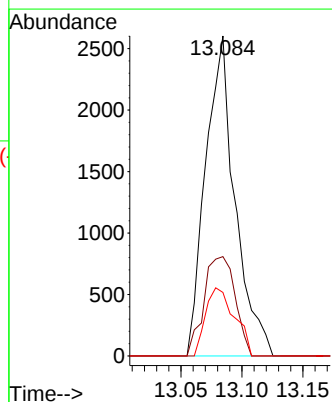
RT: 13.084 min Scan# 1701

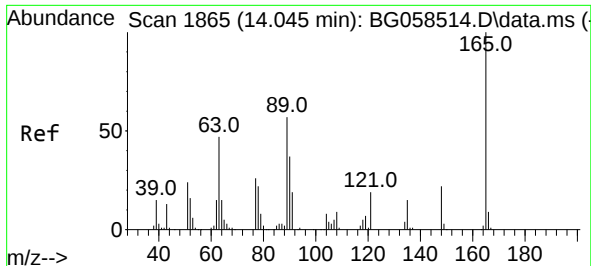
Delta R.T. 0.003 min

Lab File: BG058721.D

Acq: 14 Aug 2023 13:52

Tgt Ion:	172	Resp:	4365
Ion	Ratio	Lower	Upper
172	100		
171	31.0	28.0	42.0
170	19.9	18.4	27.6





#51

2,6-Dinitrotoluene

Concen: 8.306 ng

RT: 14.459 min Scan# 1935

Delta R.T. 0.414 min

Lab File: BG058721.D

Acq: 14 Aug 2023 13:52

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z37-39DL2

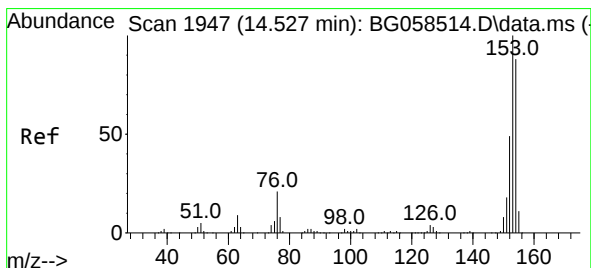
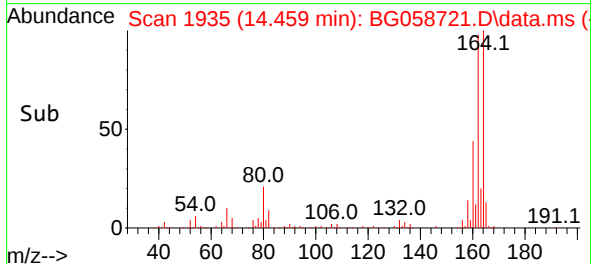
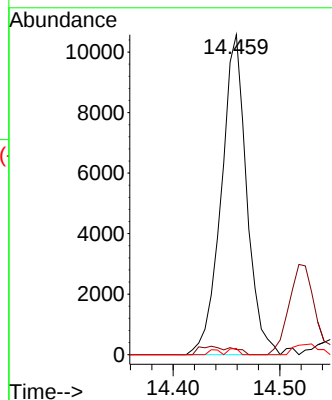
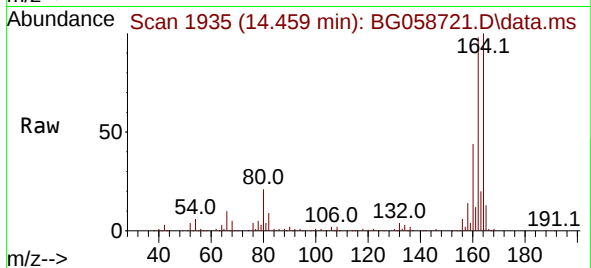
Tgt Ion:165 Resp: 17459

Ion Ratio Lower Upper

165 100

63 1.6 46.4 69.6#

89 2.0 45.3 67.9#



#52

Acenaphthene

Concen: 7.512 ng

RT: 14.524 min Scan# 1946

Delta R.T. -0.003 min

Lab File: BG058721.D

Acq: 14 Aug 2023 13:52

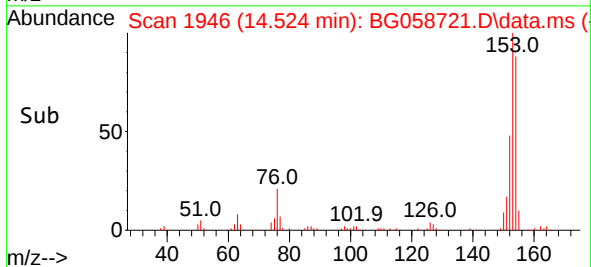
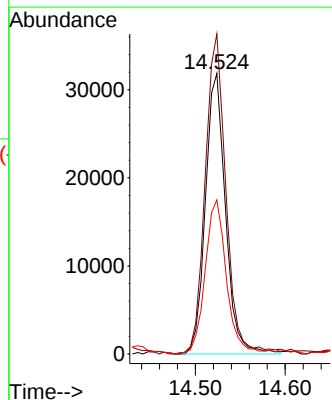
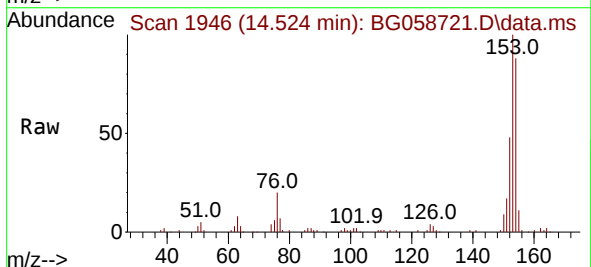
Tgt Ion:154 Resp: 49632

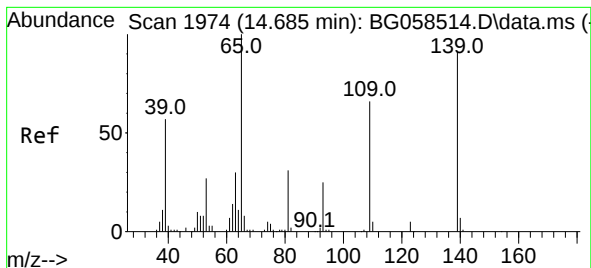
Ion Ratio Lower Upper

154 100

153 114.1 91.1 136.7

152 55.0 44.6 66.8

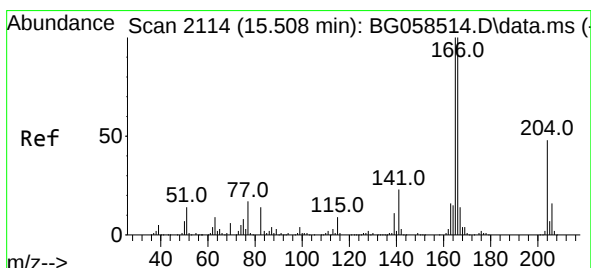
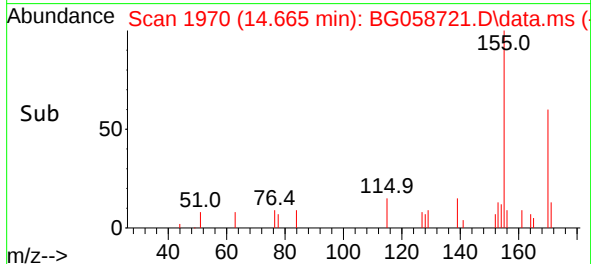
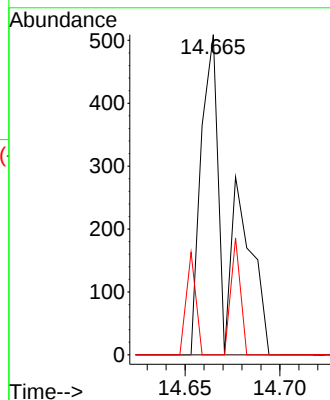
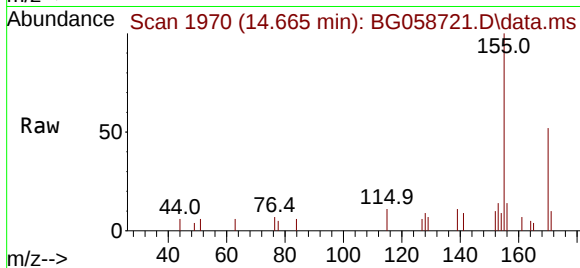




#56
4-Nitrophenol
Concen: 3.645 ng
RT: 14.665 min Scan# 1974
Delta R.T. -0.020 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

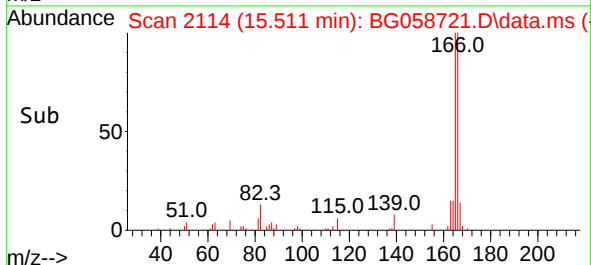
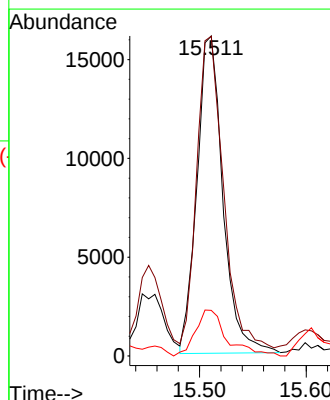
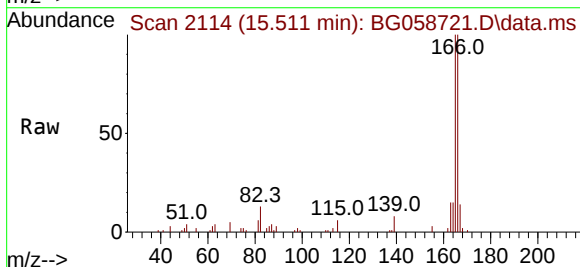
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL2

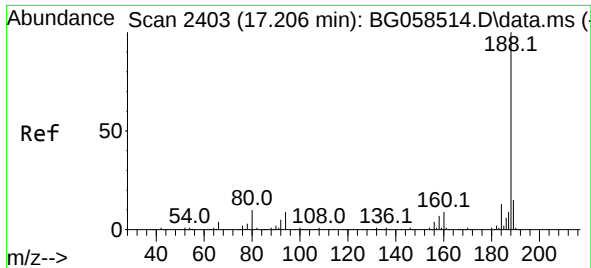
Tgt Ion:139 Resp: 521
Ion Ratio Lower Upper
139 100
109 0.0 52.5 92.5#
65 0.0 90.5 130.5#



#58
Fluorene
Concen: 3.021 ng
RT: 15.511 min Scan# 2114
Delta R.T. 0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

Tgt Ion:166 Resp: 27250
Ion Ratio Lower Upper
166 100
165 99.9 80.0 120.0
167 14.3 11.3 16.9

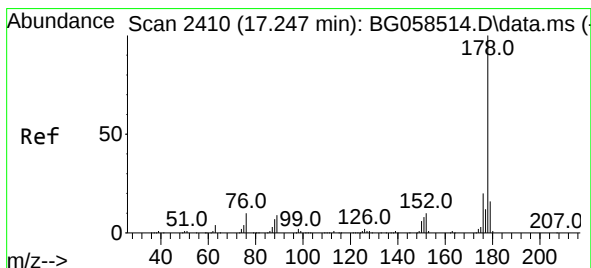
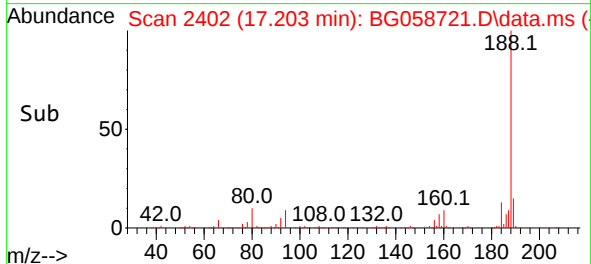
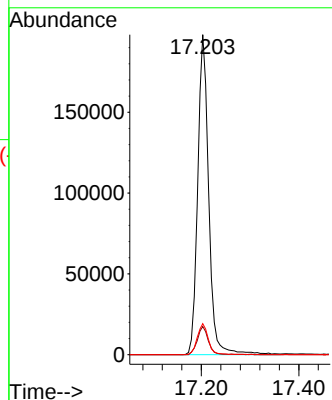
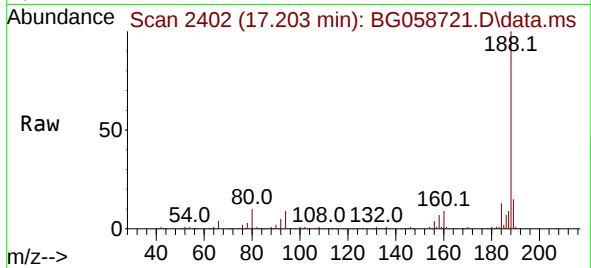




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.203 min Scan# 2402
Delta R.T. -0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

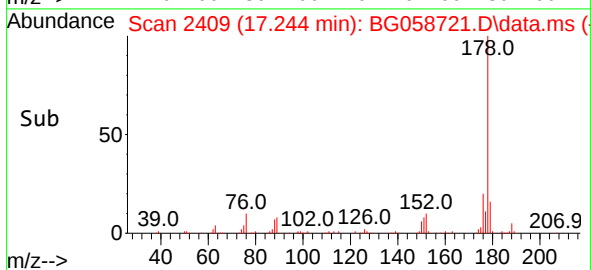
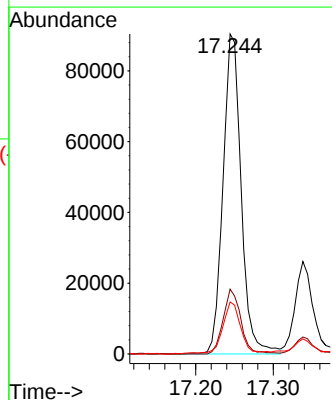
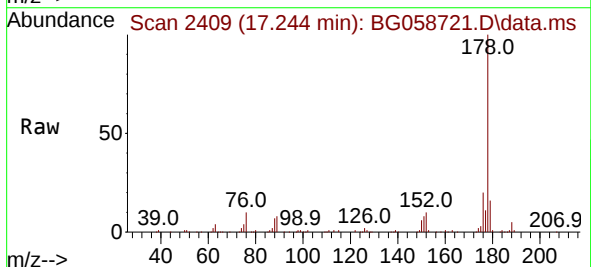
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z37-39DL2

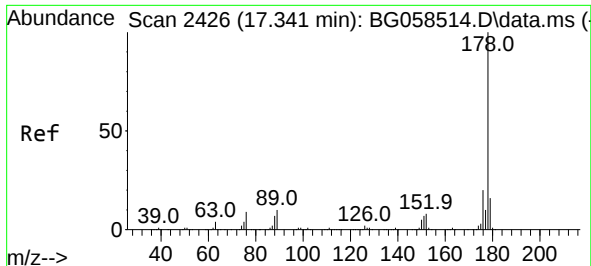
Tgt Ion:188 Resp: 311920
Ion Ratio Lower Upper
188 100
94 8.8 7.0 10.6
80 9.7 8.1 12.1



#71
Phenanthrene
Concen: 9.980 ng
RT: 17.244 min Scan# 2409
Delta R.T. -0.003 min
Lab File: BG058721.D
Acq: 14 Aug 2023 13:52

Tgt Ion:178 Resp: 147625
Ion Ratio Lower Upper
178 100
176 20.3 16.3 24.5
179 16.3 13.1 19.7

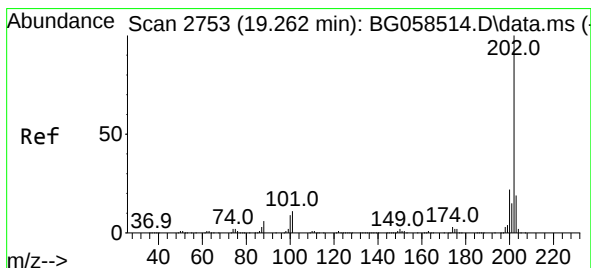
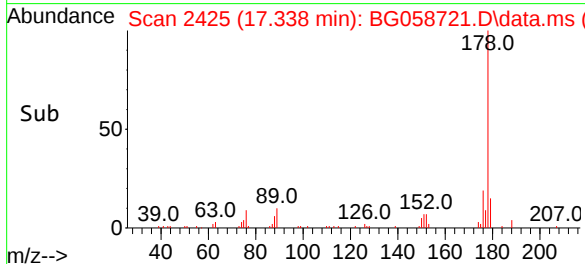
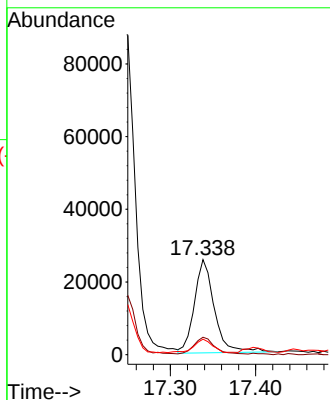
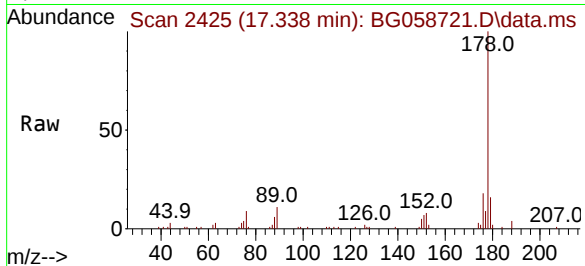




#72
 Anthracene
 Concen: 2.752 ng
 RT: 17.338 min Scan# 2425
 Delta R.T. -0.003 min
 Lab File: BG058721.D
 Acq: 14 Aug 2023 13:52

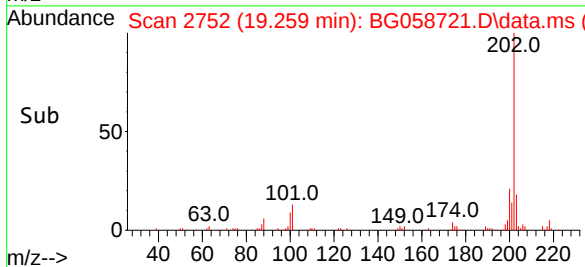
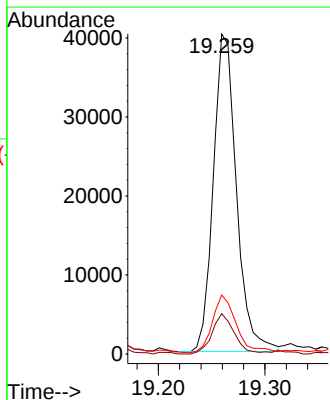
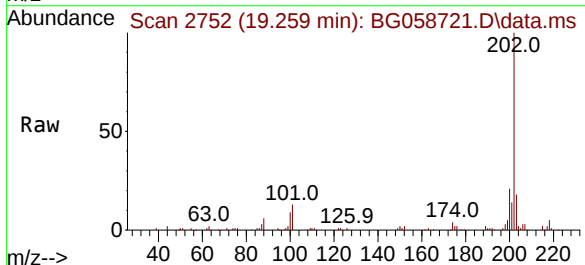
Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z37-39DL2

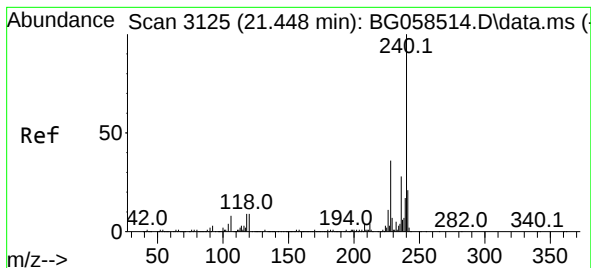
Tgt Ion:178 Resp: 41774
 Ion Ratio Lower Upper
 178 100
 176 18.3 16.0 24.0
 179 16.3 12.9 19.3



#75
 Fluoranthene
 Concen: 3.413 ng
 RT: 19.259 min Scan# 2752
 Delta R.T. -0.003 min
 Lab File: BG058721.D
 Acq: 14 Aug 2023 13:52

Tgt Ion:202 Resp: 60639
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 31.4
 203 18.4 0.0 39.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.451 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG058721.D

Acq: 14 Aug 2023 13:52

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z37-39DL2

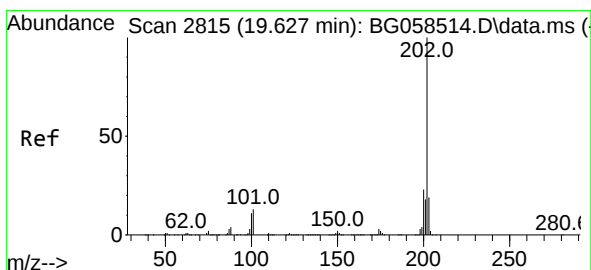
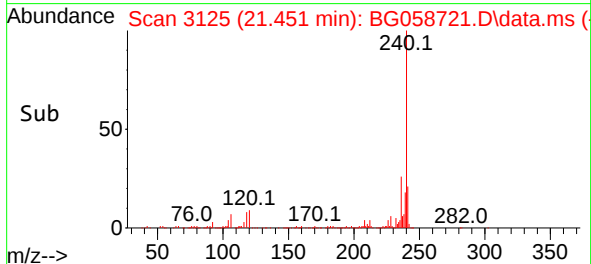
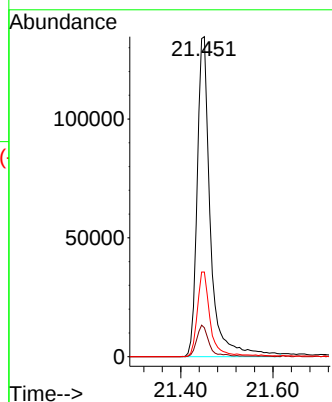
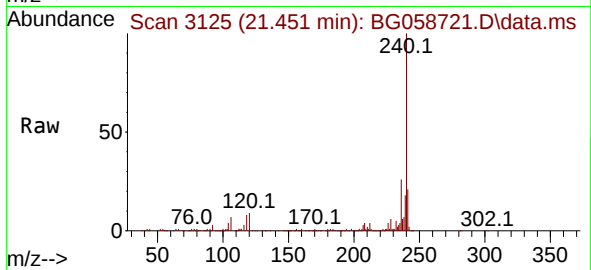
Tgt Ion:240 Resp: 268557

Ion Ratio Lower Upper

240 100

120 9.1 7.4 11.0

236 26.4 22.2 33.4



#78

Pyrene

Concen: 5.190 ng

RT: 19.624 min Scan# 2814

Delta R.T. -0.003 min

Lab File: BG058721.D

Acq: 14 Aug 2023 13:52

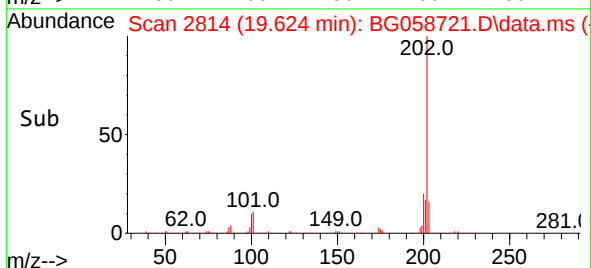
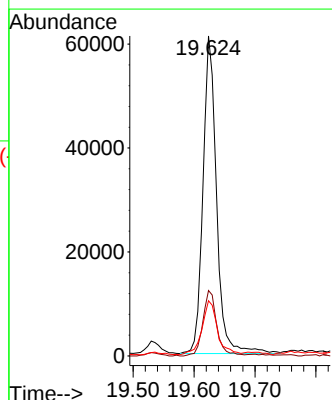
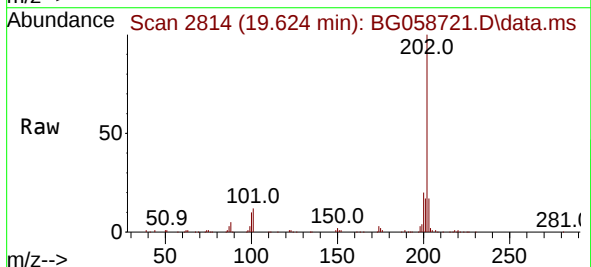
Tgt Ion:202 Resp: 94860

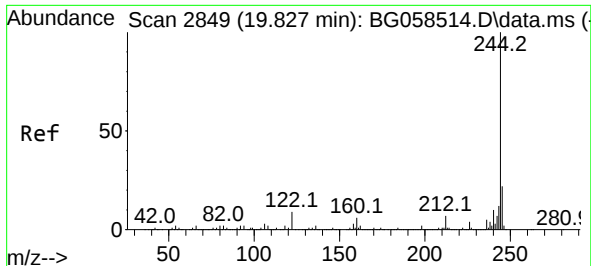
Ion Ratio Lower Upper

202 100

200 20.4 18.2 27.2

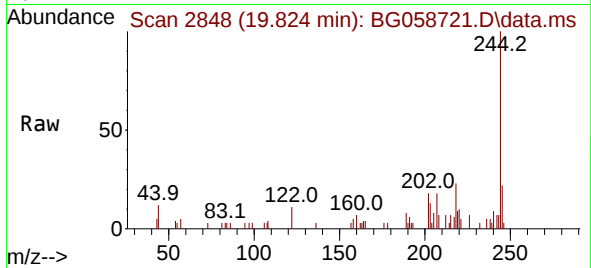
203 17.2 15.1 22.7



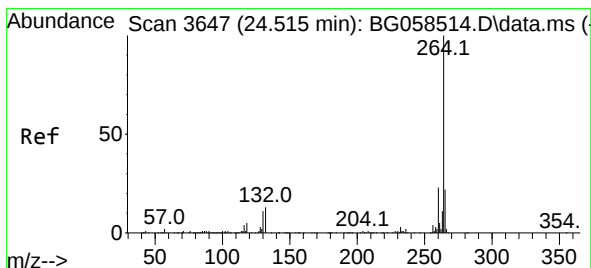
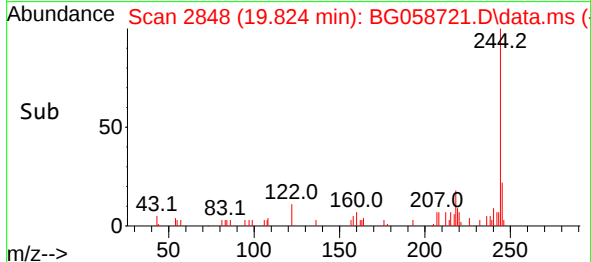
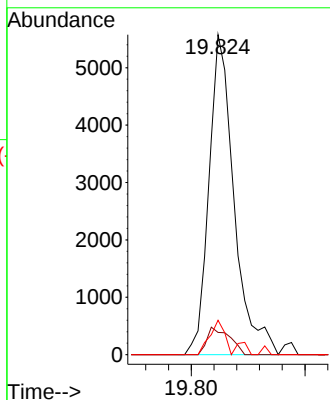


#79
 Terphenyl-d14
 Concen: 0.600 ng
 RT: 19.824 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG058721.D
 Acq: 14 Aug 2023 13:52

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z37-39DL2



Tgt Ion:244 Resp: 8563
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 10.8 6.8 10.2#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.524 min Scan# 3648
 Delta R.T. 0.009 min
 Lab File: BG058721.D
 Acq: 14 Aug 2023 13:52

Tgt Ion:264 Resp: 263083
 Ion Ratio Lower Upper
 264 100
 260 22.1 18.4 27.6
 265 21.2 17.9 26.9

