

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081523\
 Data File : BG058731.D
 Acq On : 15 Aug 2023 14:18
 Operator : MA/JU
 Sample : 04014-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB06-Z102-104

Quant Time: Aug 15 14:53:43 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)

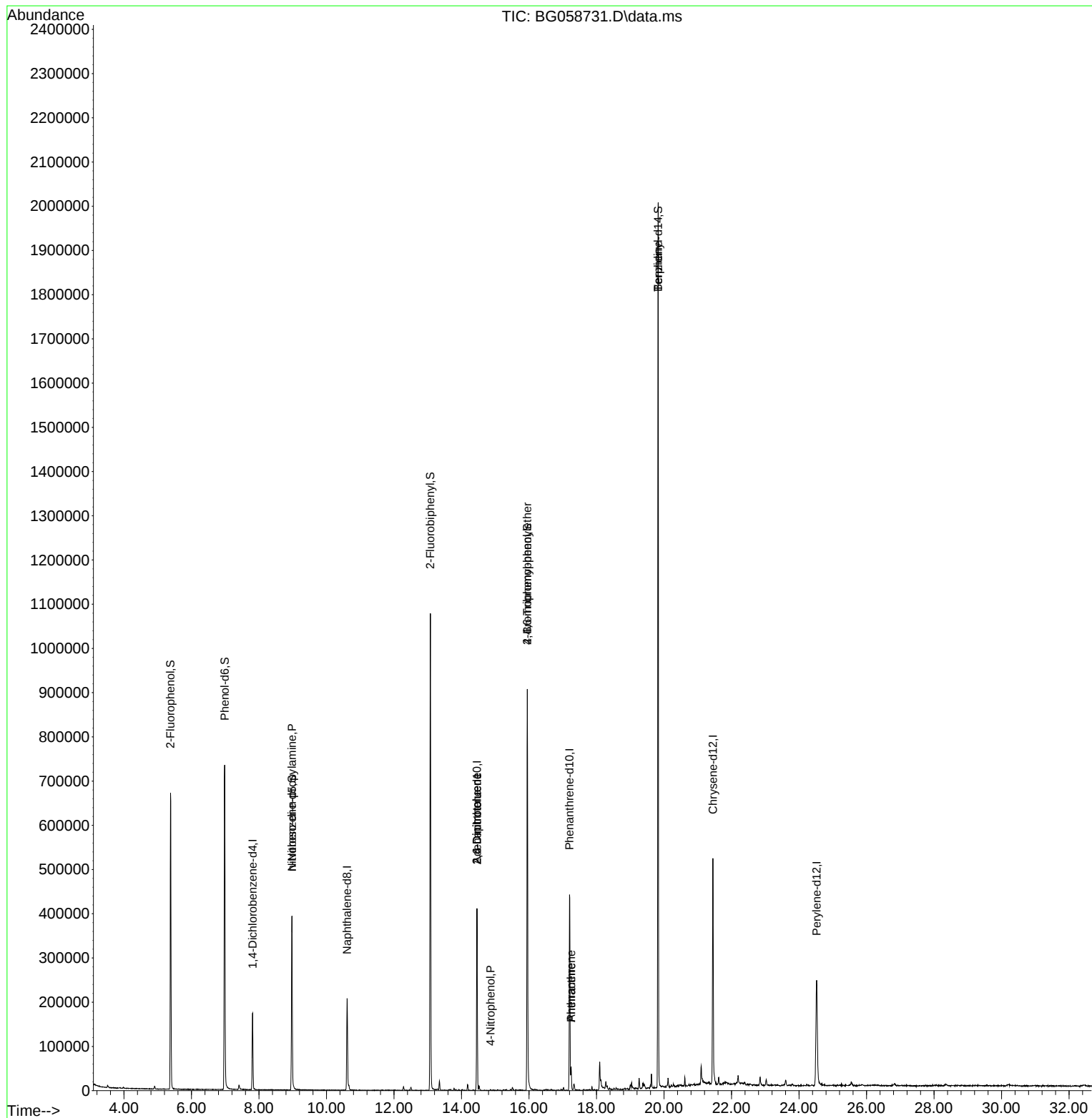
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.812	152	48162	20.000	ng	0.00
21) Naphthalene-d8	10.609	136	183210	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	148098	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	297412	20.000	ng	0.00
76) Chrysene-d12	21.449	240	298126	20.000	ng	0.00
86) Perylene-d12	24.522	264	292977	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.379	112	279975	88.852	ng	0.00
7) Phenol-d6	6.983	99	441490	100.691	ng	0.00
23) Nitrobenzene-d5	8.975	82	243540	65.302	ng	0.00
42) 2,4,6-Tribromophenol	15.949	330	206603	85.112	ng	0.00
45) 2-Fluorobiphenyl	13.076	172	613367	62.066	ng	0.00
79) Terphenyl-d14	19.827	244	1048791	66.156	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	8.975	70	30404	10.735	ng	# 81
51) 2,6-Dinitrotoluene	14.457	165	18662	7.647	ng	# 25
56) 4-Nitrophenol	14.862	139	220	3.442	ng	# 3
57) 2,4-Dinitrotoluene	14.457	165	18662	5.516	ng	# 25
67) 4-Bromophenyl-phenylether	15.949	248	13293	3.941	ng	# 1
71) Phenanthrene	17.248	178	32230	2.285	ng	99
72) Anthracene	17.248	178	32230	2.227	ng	99
77) Benzidine	19.827	184	13053	2.887	ng	# 89

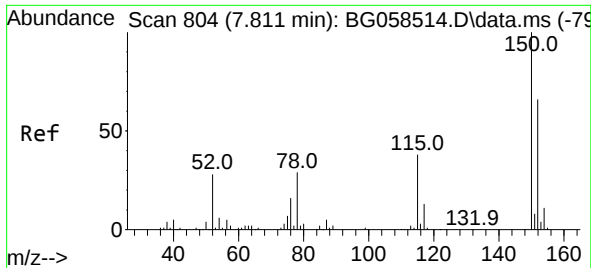
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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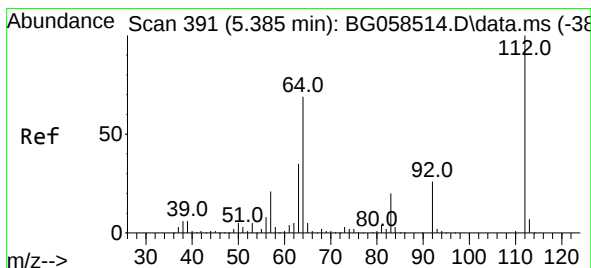
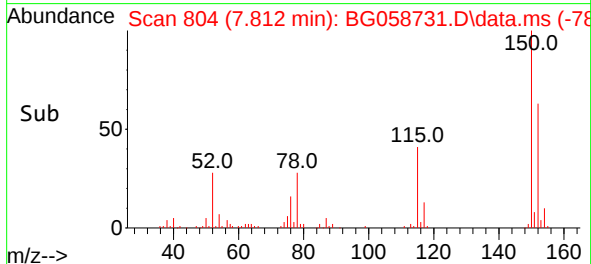
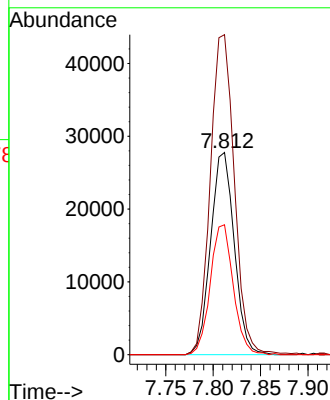
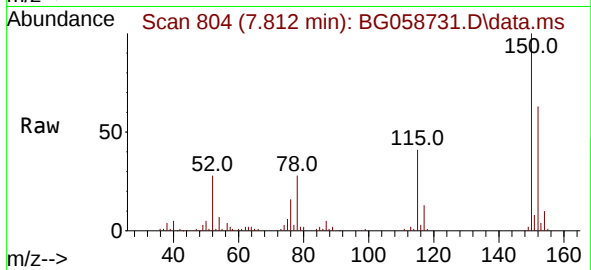




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.812 min Scan# 804
Delta R.T. 0.001 min
Lab File: BG058731.D
Acq: 15 Aug 2023 14:18

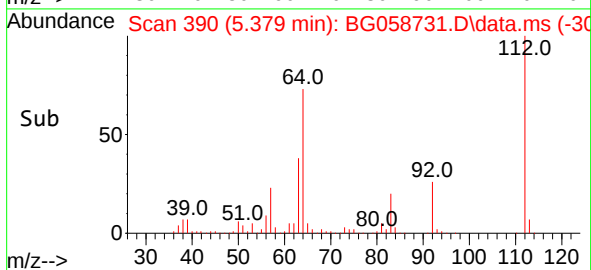
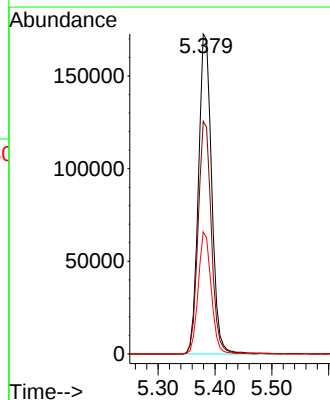
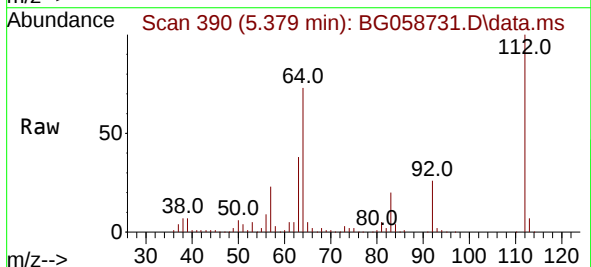
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB06-Z102-104

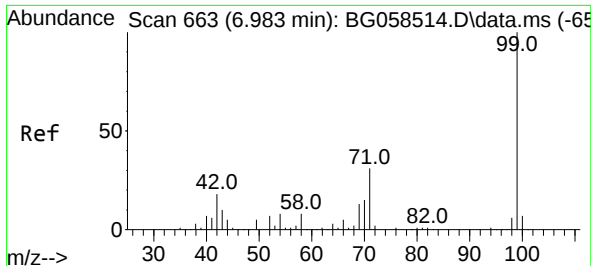
Tgt Ion:152 Resp: 48162
Ion Ratio Lower Upper
152 100
150 158.3 120.5 180.7
115 64.2 45.9 68.9



#5
2-Fluorophenol
Concen: 88.852 ng
RT: 5.379 min Scan# 390
Delta R.T. -0.005 min
Lab File: BG058731.D
Acq: 15 Aug 2023 14:18

Tgt Ion:112 Resp: 279975
Ion Ratio Lower Upper
112 100
64 72.7 55.3 82.9
63 38.2 28.3 42.5

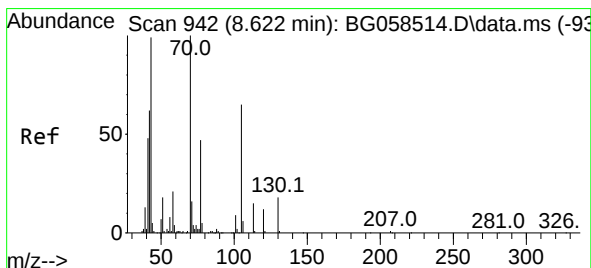
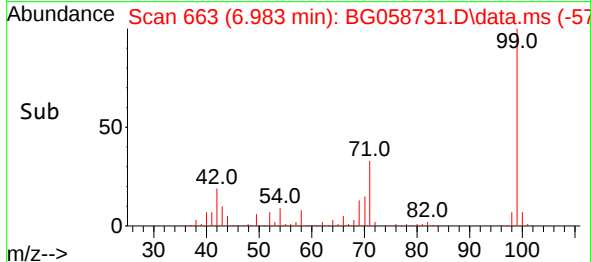
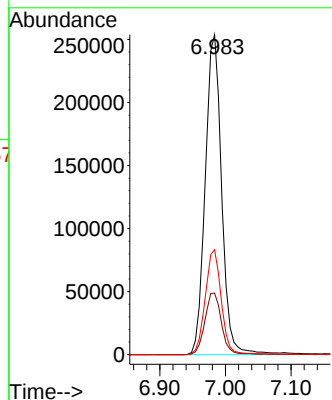
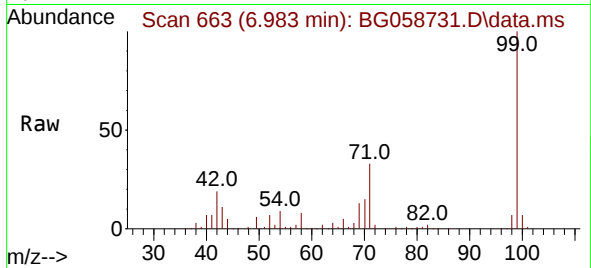




#7
Phenol-d6
Concen: 100.691 ng
RT: 6.983 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG058731.D
Acq: 15 Aug 2023 14:18

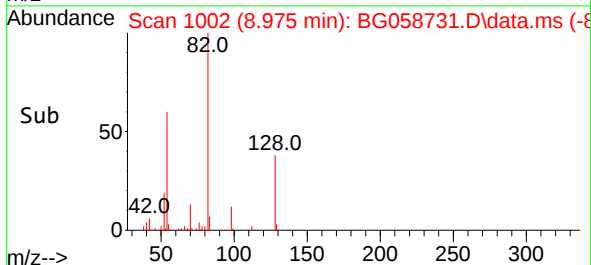
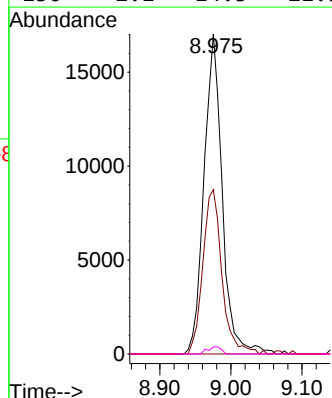
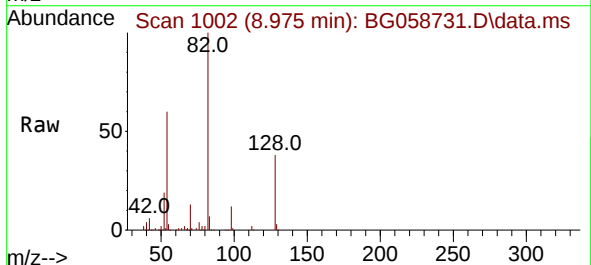
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB06-Z102-104

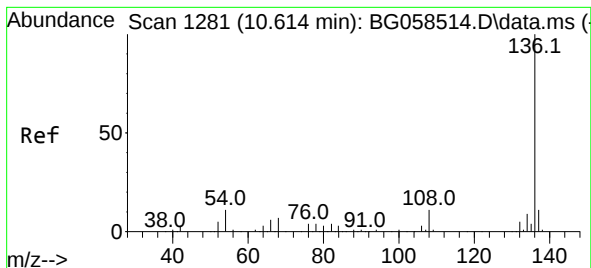
Tgt Ion: 99 Resp: 441490
Ion Ratio Lower Upper
99 100
42 19.2 14.6 21.8
71 32.8 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.735 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.353 min
Lab File: BG058731.D
Acq: 15 Aug 2023 14:18

Tgt Ion: 70 Resp: 30404
Ion Ratio Lower Upper
70 100
42 51.4 49.7 74.5
101 0.0 7.0 10.4#
130 2.1 14.3 21.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.609 min Scan# 11

Delta R.T. -0.005 min

Lab File: BG058731.D

Acq: 15 Aug 2023 14:18

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB06-Z102-104

Tgt Ion:136 Resp: 183210

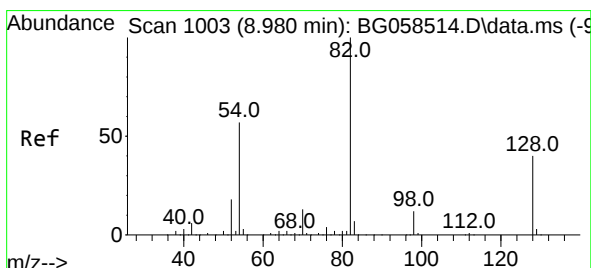
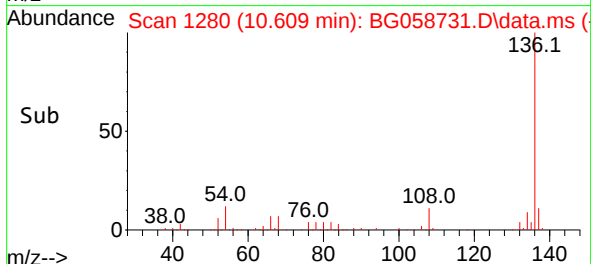
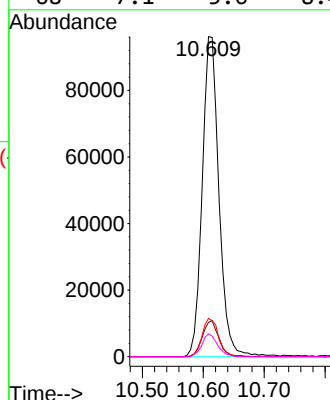
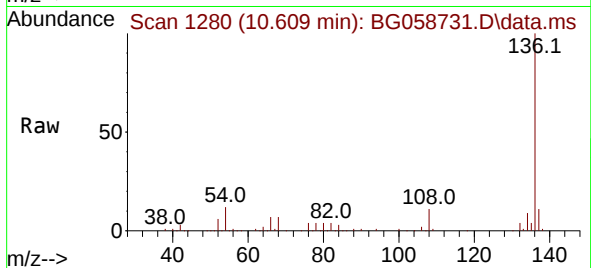
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 12.0 8.9 13.3

68 7.1 5.6 8.4



#23

Nitrobenzene-d5

Concen: 65.302 ng

RT: 8.975 min Scan# 1002

Delta R.T. -0.005 min

Lab File: BG058731.D

Acq: 15 Aug 2023 14:18

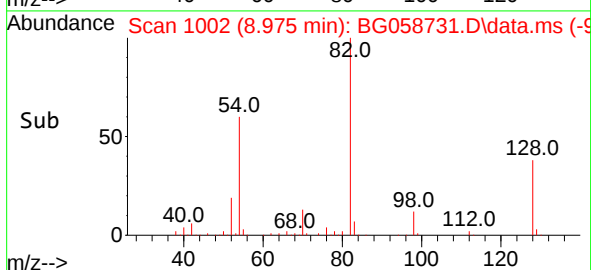
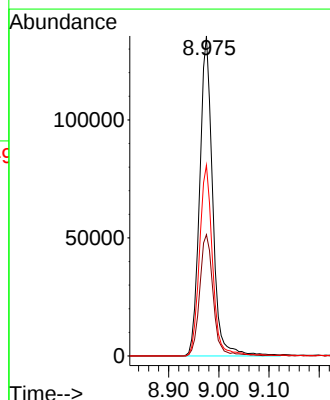
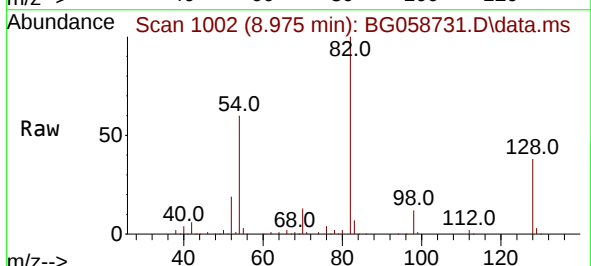
Tgt Ion: 82 Resp: 243540

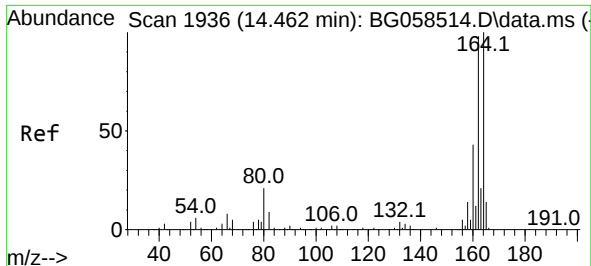
Ion Ratio Lower Upper

82 100

128 37.9 32.2 48.2

54 59.6 46.0 69.0

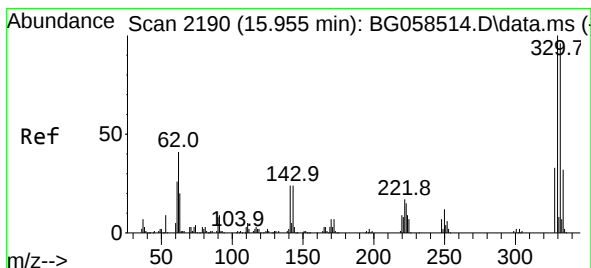
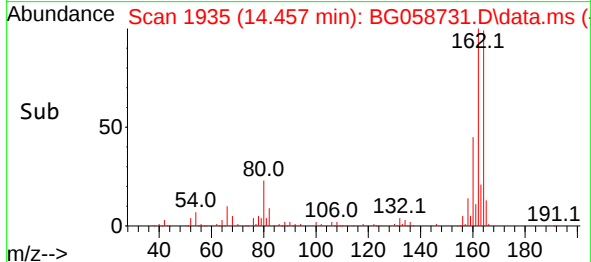
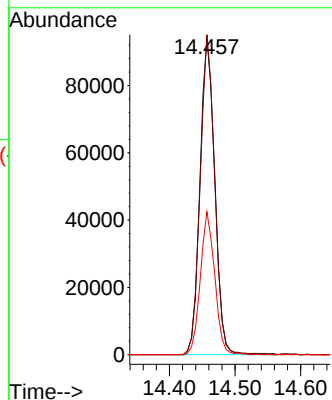
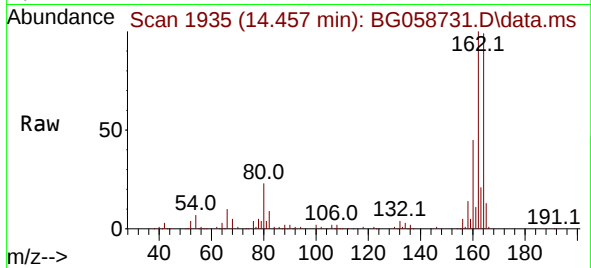




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1936
Delta R.T. -0.005 min
Lab File: BG058731.D
Acq: 15 Aug 2023 14:18

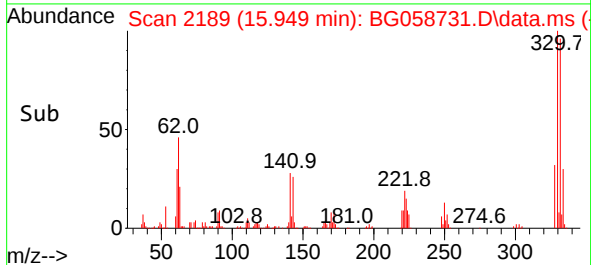
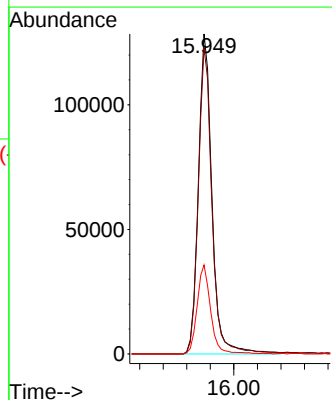
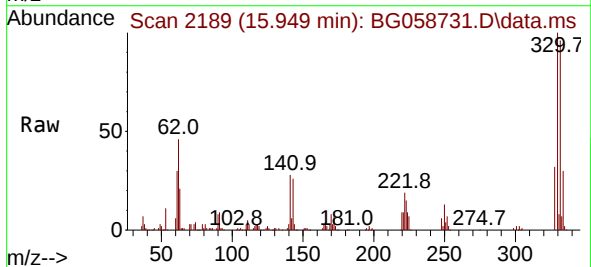
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB06-Z102-104

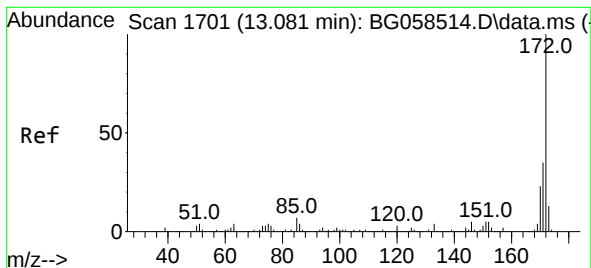
Tgt Ion:164 Resp: 148098
Ion Ratio Lower Upper
164 100
162 101.1 78.3 117.5
160 45.1 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 85.112 ng
RT: 15.949 min Scan# 2189
Delta R.T. -0.005 min
Lab File: BG058731.D
Acq: 15 Aug 2023 14:18

Tgt Ion:330 Resp: 206603
Ion Ratio Lower Upper
330 100
332 95.7 77.5 116.3
141 27.5 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 62.066 ng

RT: 13.076 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG058731.D

Acq: 15 Aug 2023 14:18

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB06-Z102-104

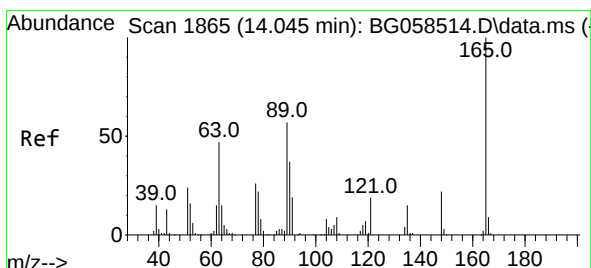
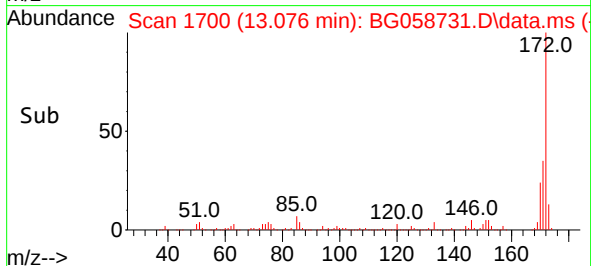
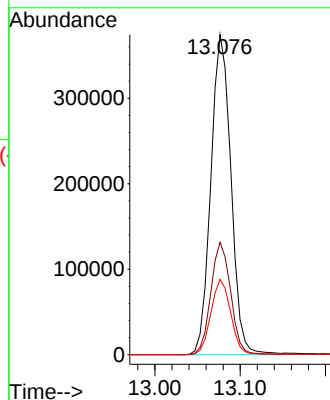
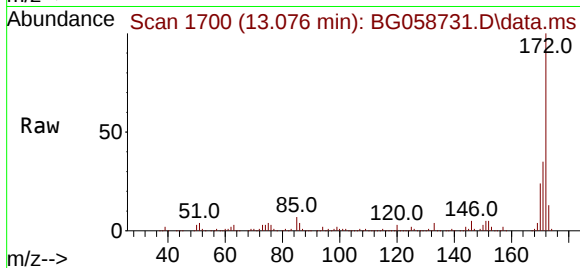
Tgt Ion:172 Resp: 613367

Ion Ratio Lower Upper

172 100

171 35.1 28.0 42.0

170 23.5 18.4 27.6



#51

2,6-Dinitrotoluene

Concen: 7.647 ng

RT: 14.457 min Scan# 1935

Delta R.T. 0.412 min

Lab File: BG058731.D

Acq: 15 Aug 2023 14:18

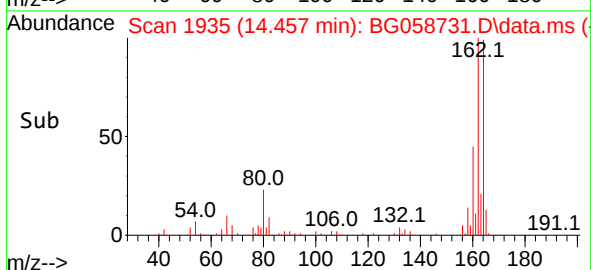
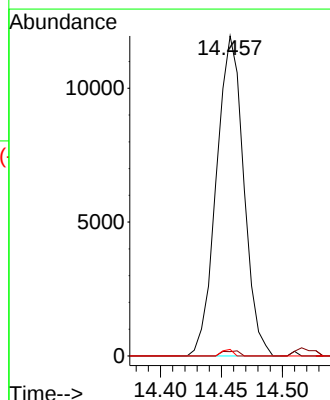
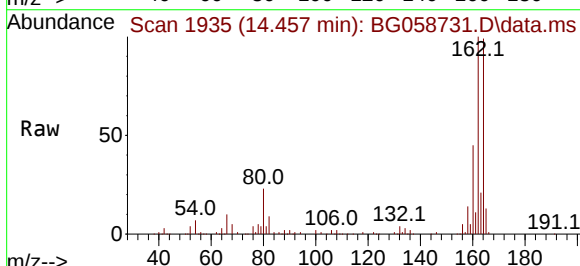
Tgt Ion:165 Resp: 18662

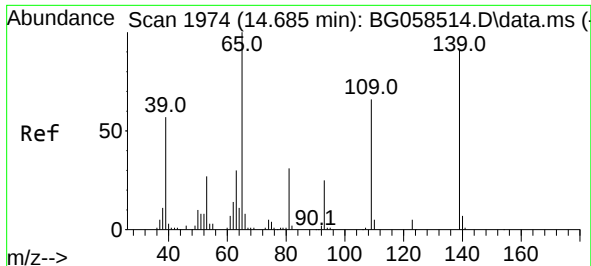
Ion Ratio Lower Upper

165 100

63 1.4 46.4 69.6#

89 2.0 45.3 67.9#

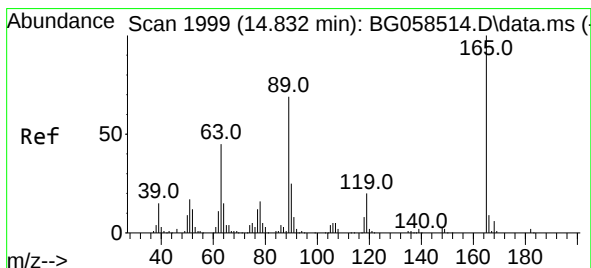
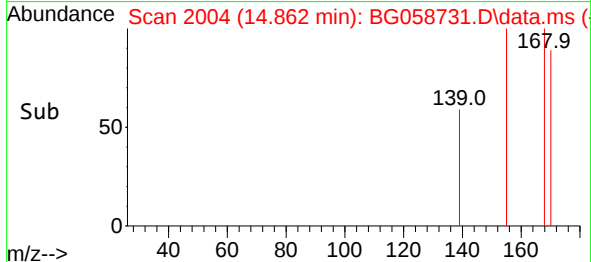
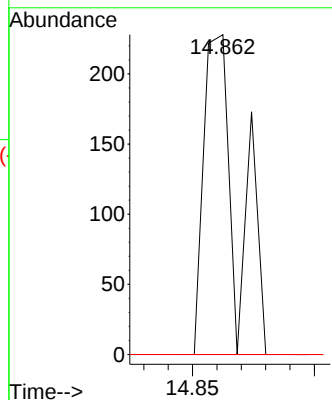
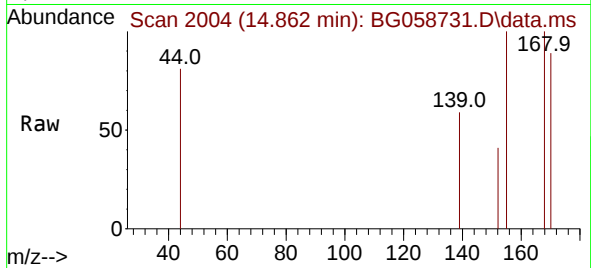




#56
4-Nitrophenol
Concen: 3.442 ng
RT: 14.862 min Scan# 20
Delta R.T. 0.177 min
Lab File: BG058731.D
Acq: 15 Aug 2023 14:18

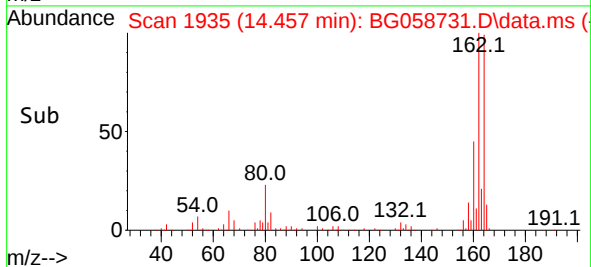
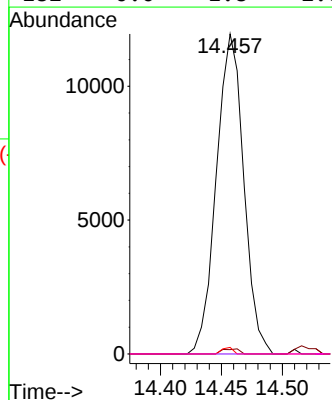
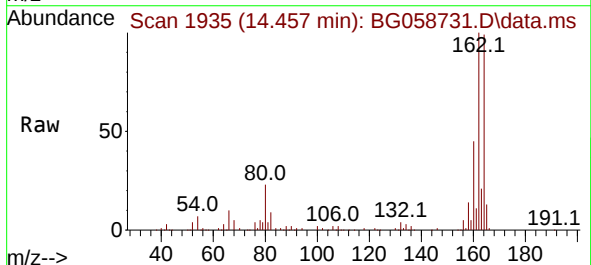
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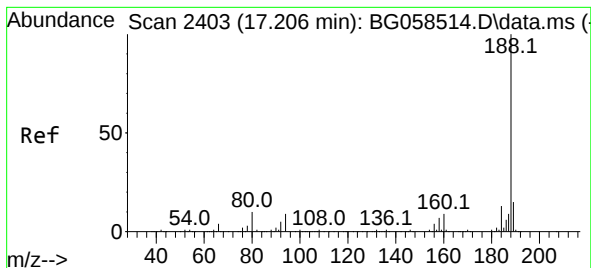
Tgt Ion:139 Resp: 220
Ion Ratio Lower Upper
139 100
109 0.0 52.5 92.5#
65 0.0 90.5 130.5#



#57
2,4-Dinitrotoluene
Concen: 5.516 ng
RT: 14.457 min Scan# 1935
Delta R.T. -0.375 min
Lab File: BG058731.D
Acq: 15 Aug 2023 14:18

Tgt Ion:165 Resp: 18662
Ion Ratio Lower Upper
165 100
63 1.4 36.6 54.8#
89 2.0 55.4 83.0#
182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.201 min Scan# 24

Delta R.T. -0.005 min

Lab File: BG058731.D

Acq: 15 Aug 2023 14:18

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB06-Z102-104

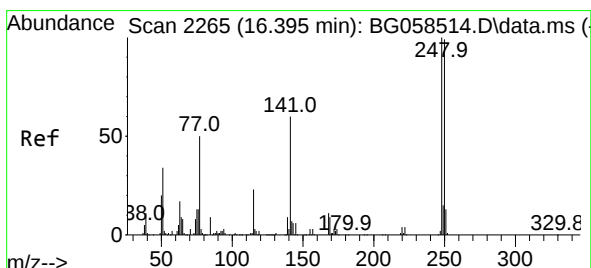
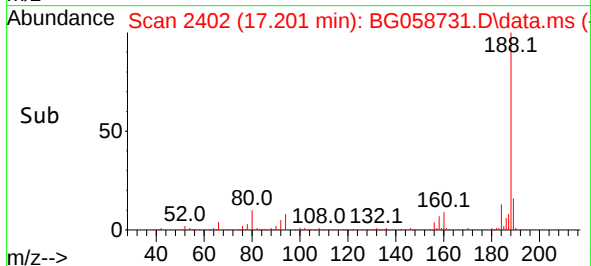
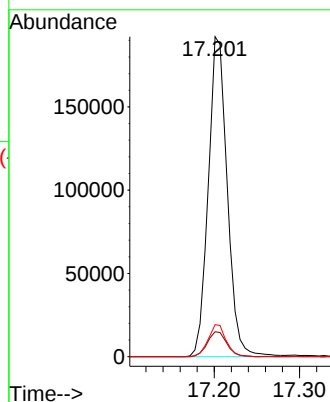
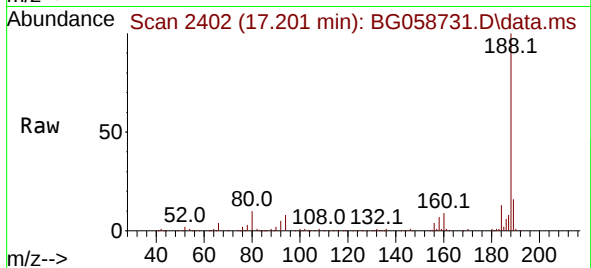
Tgt Ion:188 Resp: 297412

Ion Ratio Lower Upper

188 100

94 7.8 7.0 10.6

80 10.0 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 3.941 ng

RT: 15.949 min Scan# 2189

Delta R.T. -0.446 min

Lab File: BG058731.D

Acq: 15 Aug 2023 14:18

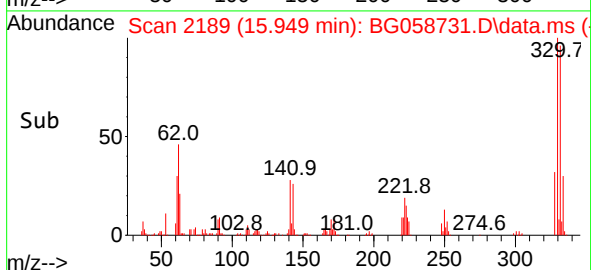
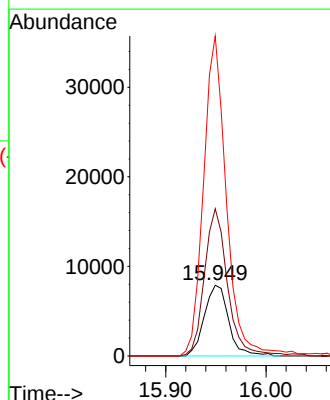
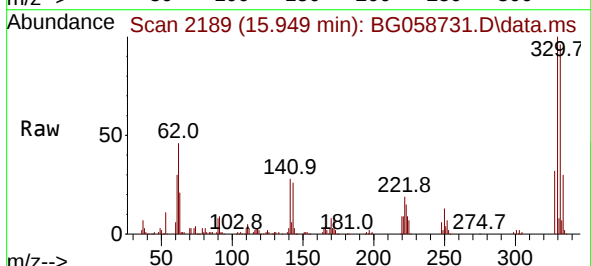
Tgt Ion:248 Resp: 13293

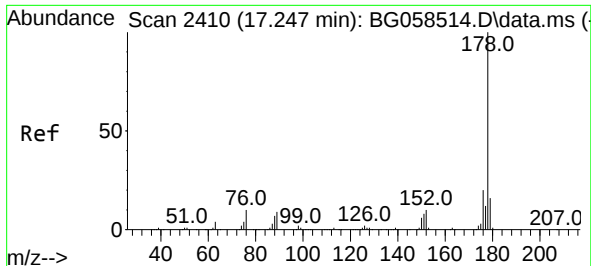
Ion Ratio Lower Upper

248 100

250 208.3 79.5 119.3#

141 452.7 48.2 72.2#

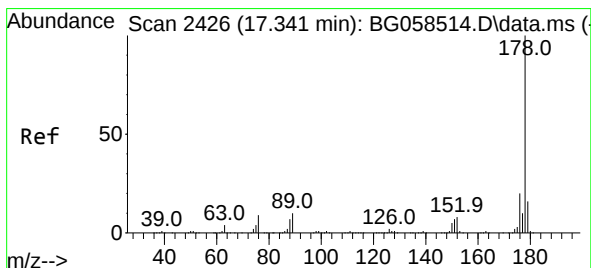
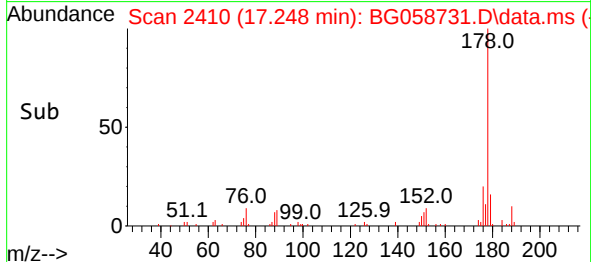
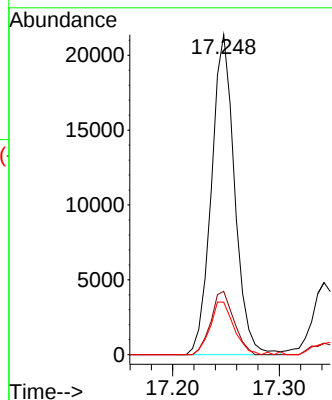
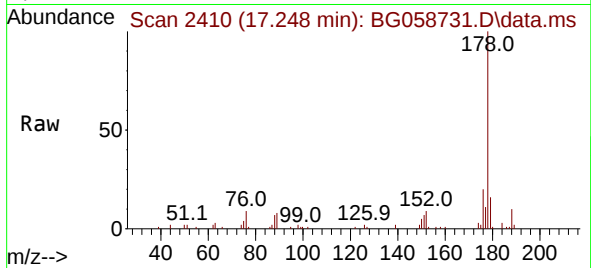




#71
Phenanthrene
Concen: 2.285 ng
RT: 17.248 min Scan# 2410
Delta R.T. 0.001 min
Lab File: BG058731.D
Acq: 15 Aug 2023 14:18

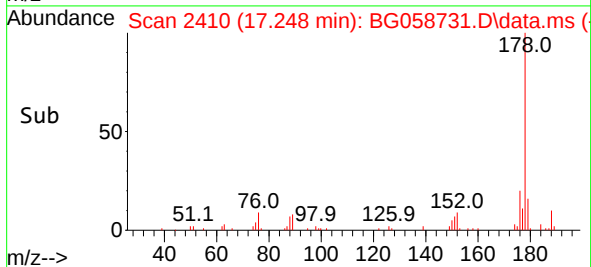
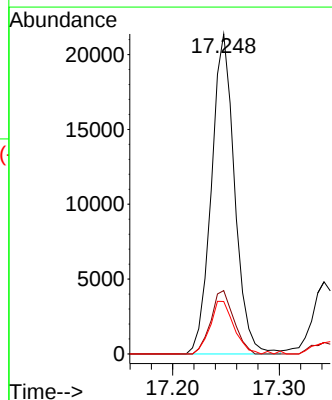
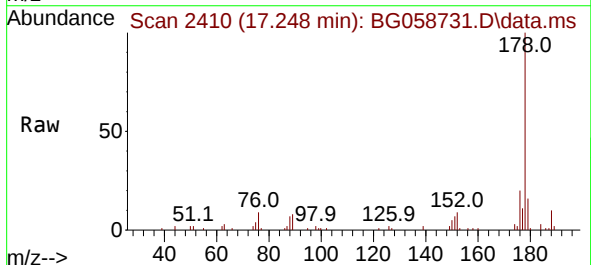
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB06-Z102-104

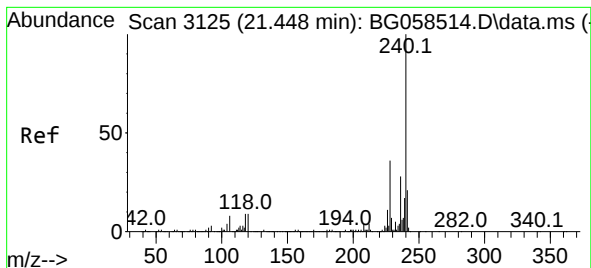
Tgt Ion:178 Resp: 32230
Ion Ratio Lower Upper
178 100
176 19.8 16.3 24.5
179 16.4 13.1 19.7



#72
Anthracene
Concen: 2.227 ng
RT: 17.248 min Scan# 2410
Delta R.T. -0.093 min
Lab File: BG058731.D
Acq: 15 Aug 2023 14:18

Tgt Ion:178 Resp: 32230
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 16.4 12.9 19.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.449 min Scan# 31

Delta R.T. 0.001 min

Lab File: BG058731.D

Acq: 15 Aug 2023 14:18

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB06-Z102-104

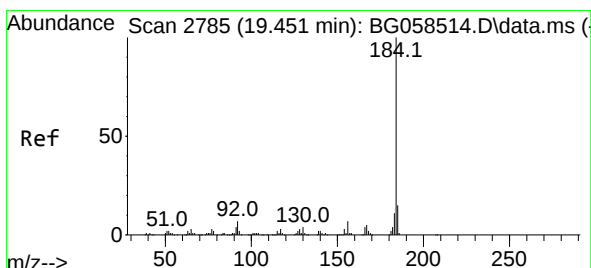
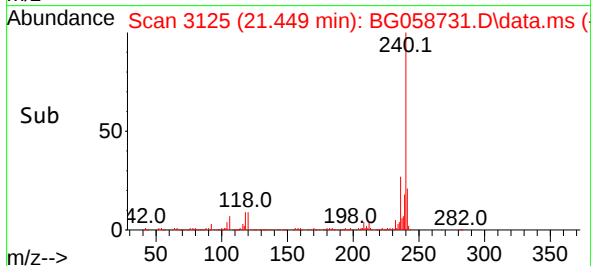
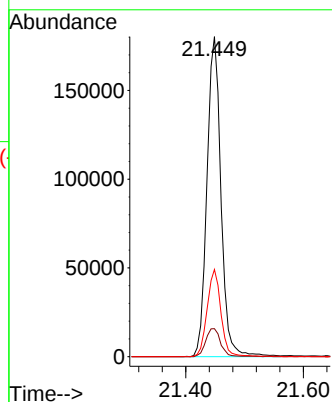
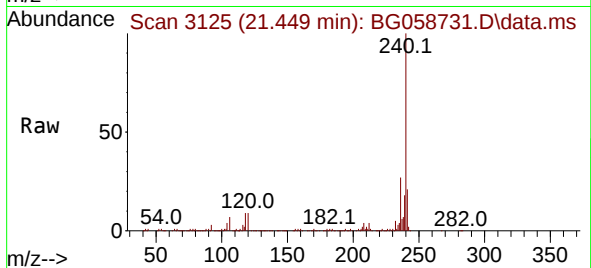
Tgt Ion:240 Resp: 298126

Ion Ratio Lower Upper

240 100

120 8.7 7.4 11.0

236 27.3 22.2 33.4



#77

Benzidine

Concen: 2.887 ng

RT: 19.827 min Scan# 2849

Delta R.T. 0.377 min

Lab File: BG058731.D

Acq: 15 Aug 2023 14:18

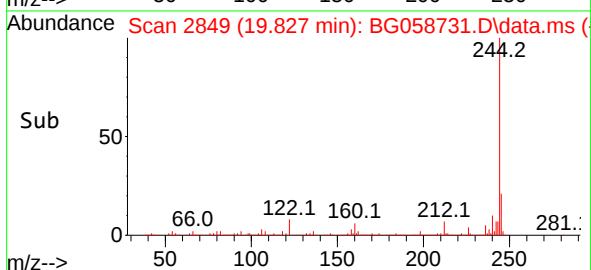
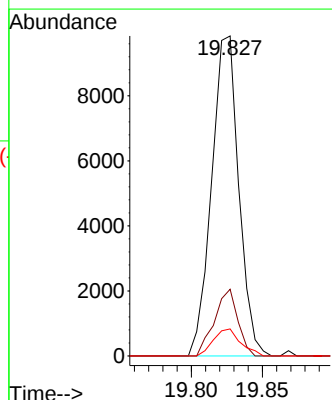
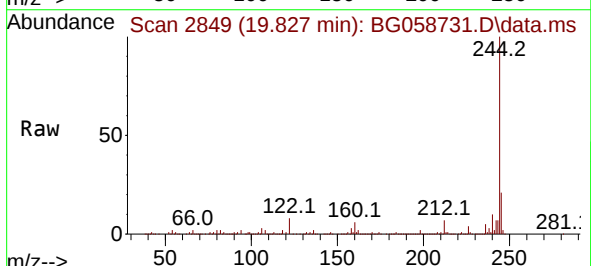
Tgt Ion:184 Resp: 13053

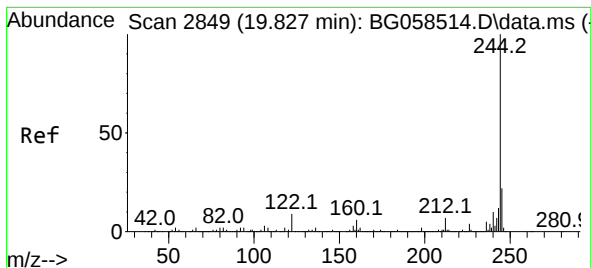
Ion Ratio Lower Upper

184 100

185 20.9 11.9 17.9#

183 8.5 8.7 13.1#





#79

Terphenyl-d14

Concen: 66.156 ng

RT: 19.827 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG058731.D

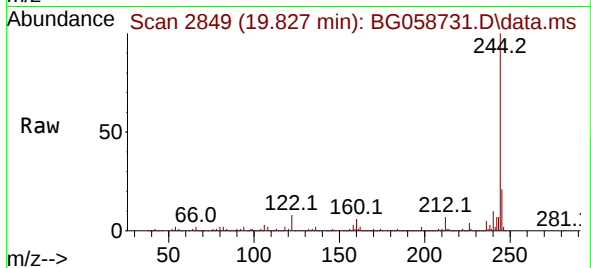
Acq: 15 Aug 2023 14:18

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB06-Z102-104



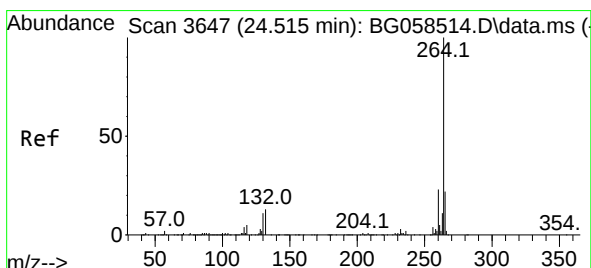
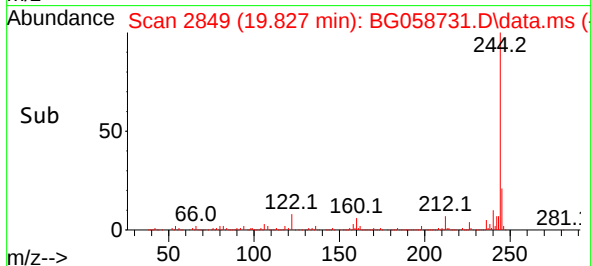
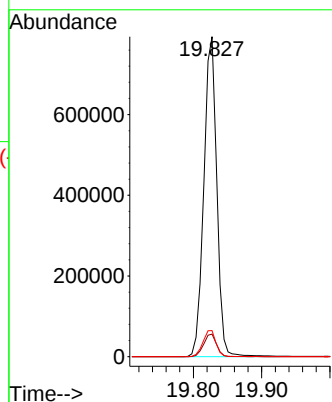
Tgt Ion:244 Resp: 1048791

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 8.2 6.8 10.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.522 min Scan# 3648

Delta R.T. 0.007 min

Lab File: BG058731.D

Acq: 15 Aug 2023 14:18

Tgt Ion:264 Resp: 292977

Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 21.5 17.9 26.9

