

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081123\
 Data File : BG058707.D
 Acq On : 11 Aug 2023 18:02
 Operator : MA/JU
 Sample : 03958-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z106-107

Quant Time: Aug 11 23:01:30 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)

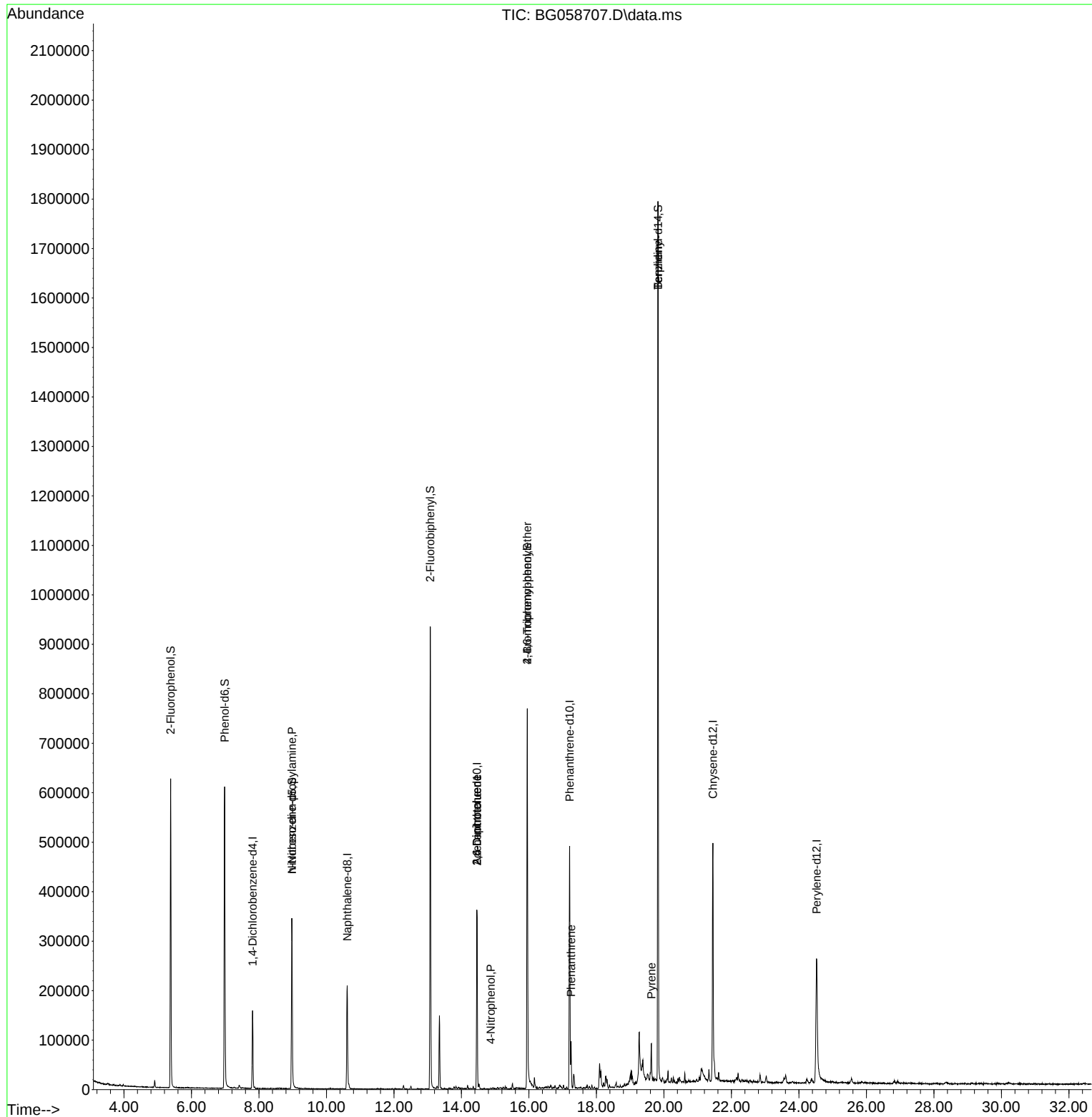
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.812	152	44222	20.000	ng	0.00
21) Naphthalene-d8	10.614	136	192084	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	136429	20.000	ng	0.00
64) Phenanthrene-d10	17.206	188	336625	20.000	ng	0.00
76) Chrysene-d12	21.448	240	297118	20.000	ng	0.00
86) Perylene-d12	24.521	264	337368	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.385	112	267007	92.286	ng	0.00
7) Phenol-d6	6.983	99	377098	93.668	ng	0.00
23) Nitrobenzene-d5	8.975	82	225161	57.585	ng	0.00
42) 2,4,6-Tribromophenol	15.949	330	184595	82.550	ng	0.00
45) 2-Fluorobiphenyl	13.076	172	523801	57.537	ng	0.00
79) Terphenyl-d14	19.821	244	965470	61.107	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	8.975	70	28017	10.774	ng	# 79
51) 2,6-Dinitrotoluene	14.457	165	18059	8.033	ng	# 23
56) 4-Nitrophenol	14.868	139	63	3.361	ng	# 3
57) 2,4-Dinitrotoluene	14.457	165	18059	5.794	ng	# 24
67) 4-Bromophenyl-phenylether	15.949	248	11041	2.892	ng	# 1
71) Phenanthrene	17.248	178	56218	3.521	ng	98
77) Benzidine	19.821	184	11980	2.659	ng	# 89
78) Pyrene	19.627	202	46132	2.281	ng	98

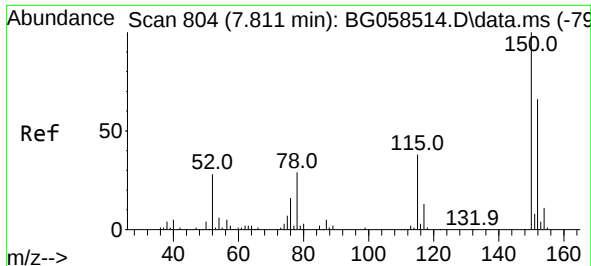
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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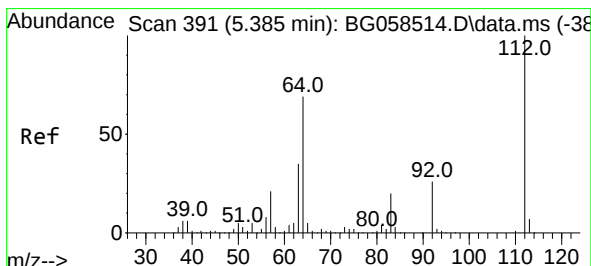
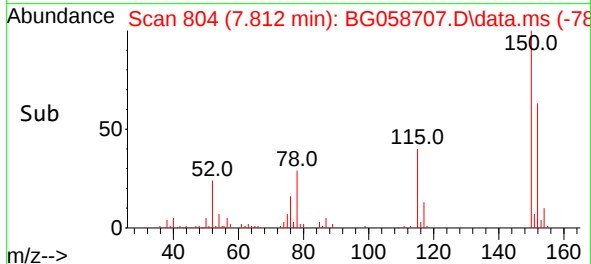
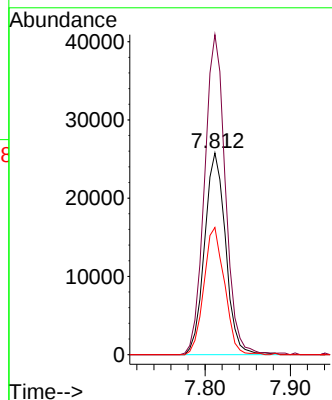
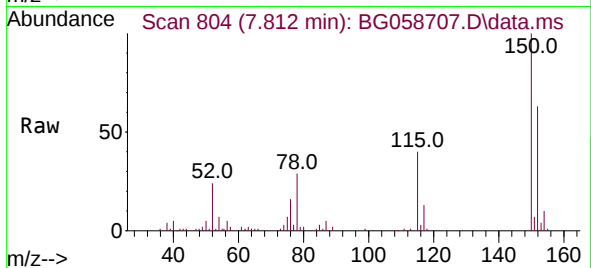




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.812 min Scan# 804
Delta R.T. 0.001 min
Lab File: BG058707.D
Acq: 11 Aug 2023 18:02

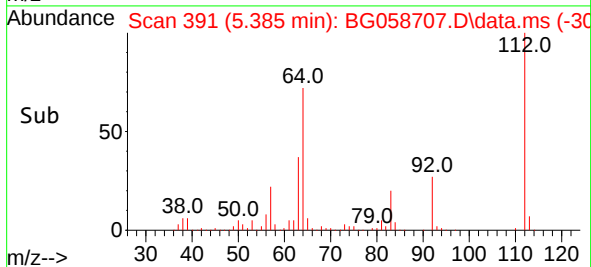
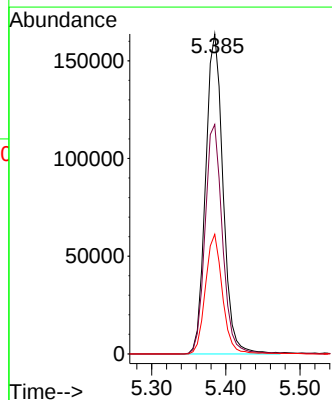
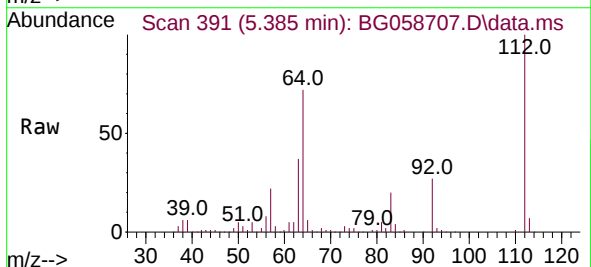
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z106-107

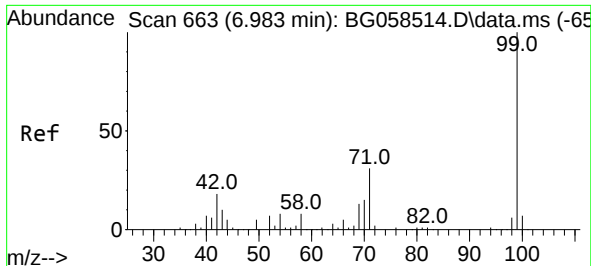
Tgt Ion:152 Resp: 44222
Ion Ratio Lower Upper
152 100
150 158.6 120.5 180.7
115 63.0 45.9 68.9



#5
2-Fluorophenol
Concen: 92.286 ng
RT: 5.385 min Scan# 391
Delta R.T. 0.000 min
Lab File: BG058707.D
Acq: 11 Aug 2023 18:02

Tgt Ion:112 Resp: 267007
Ion Ratio Lower Upper
112 100
64 71.7 55.3 82.9
63 37.4 28.3 42.5

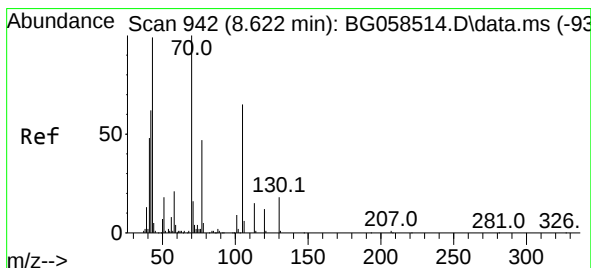
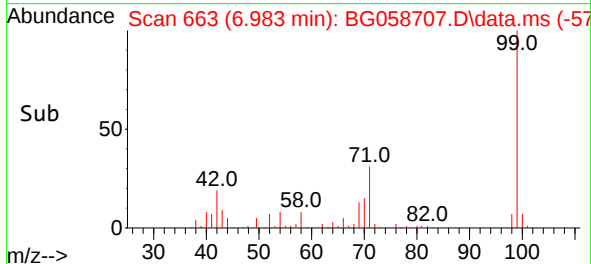
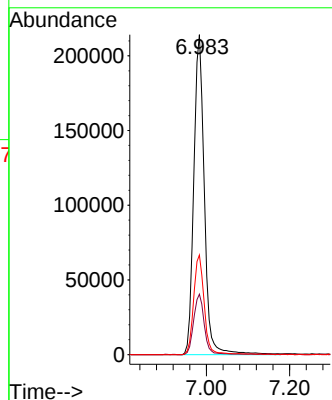
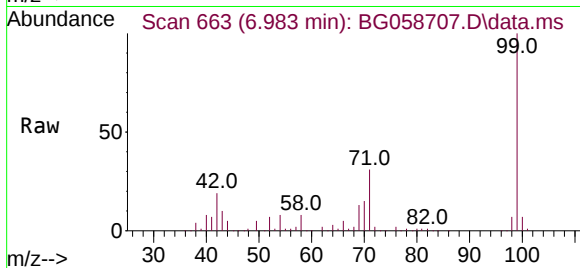




#7
Phenol-d6
Concen: 93.668 ng
RT: 6.983 min Scan# 60
Delta R.T. 0.000 min
Lab File: BG058707.D
Acq: 11 Aug 2023 18:02

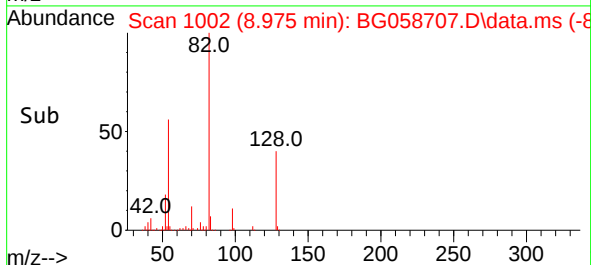
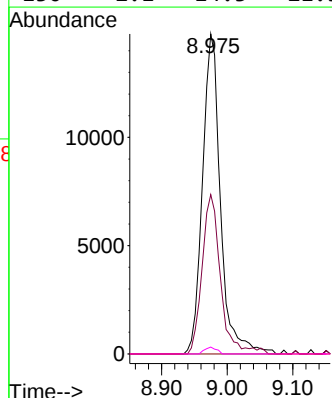
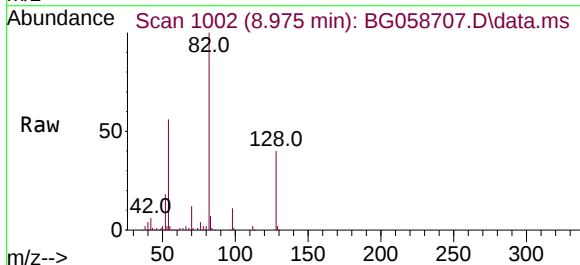
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z106-107

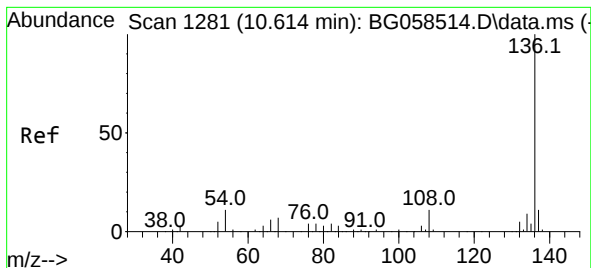
Tgt Ion: 99 Resp: 377098
Ion Ratio Lower Upper
99 100
42 18.9 14.6 21.8
71 31.1 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.774 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.353 min
Lab File: BG058707.D
Acq: 11 Aug 2023 18:02

Tgt Ion: 70 Resp: 28017
Ion Ratio Lower Upper
70 100
42 49.8 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: 10.614 min Scan# 11

Delta R.T. 0.000 min

Lab File: BG058707.D

Acq: 11 Aug 2023 18:02

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z106-107

Tgt Ion:136 Resp: 192084

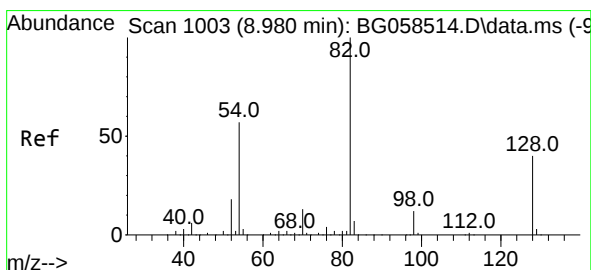
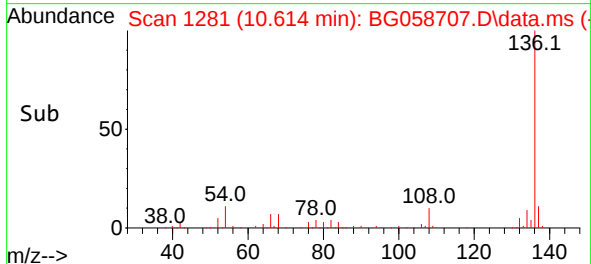
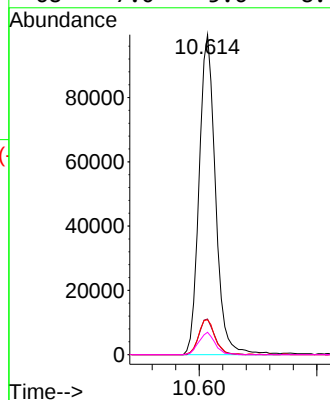
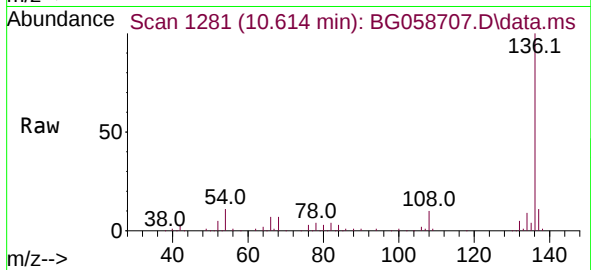
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 10.9 8.9 13.3

68 7.0 5.6 8.4



#23

Nitrobenzene-d5

Concen: 57.585 ng

RT: 8.975 min Scan# 1002

Delta R.T. -0.006 min

Lab File: BG058707.D

Acq: 11 Aug 2023 18:02

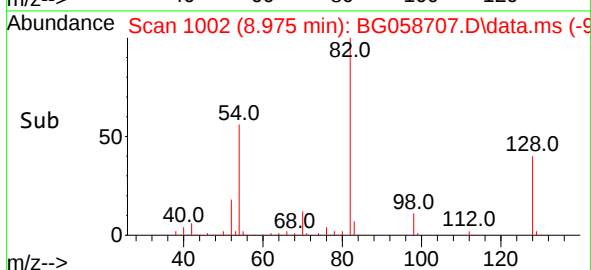
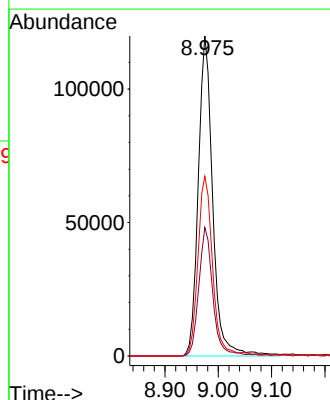
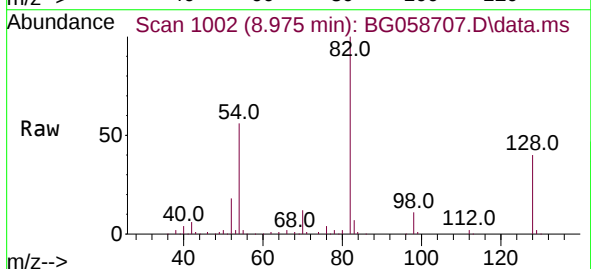
Tgt Ion: 82 Resp: 225161

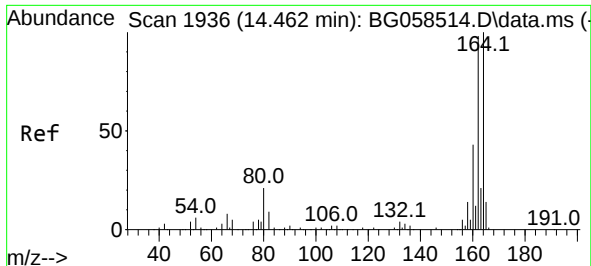
Ion Ratio Lower Upper

82 100

128 40.1 32.2 48.2

54 56.1 46.0 69.0

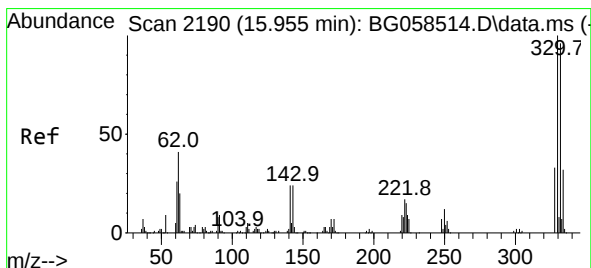
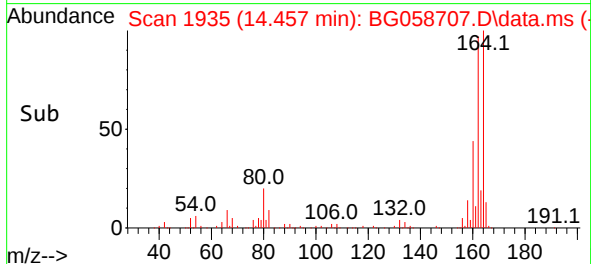
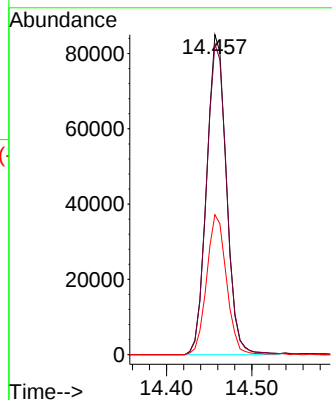
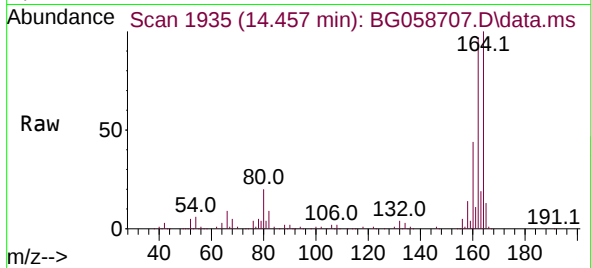




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BG058707.D
Acq: 11 Aug 2023 18:02

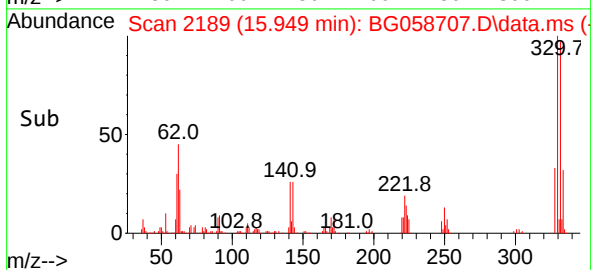
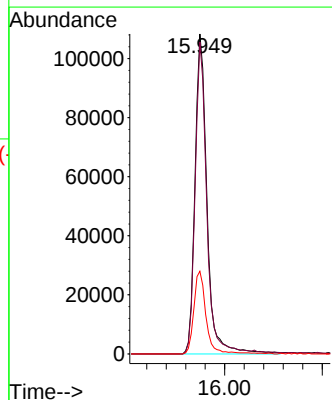
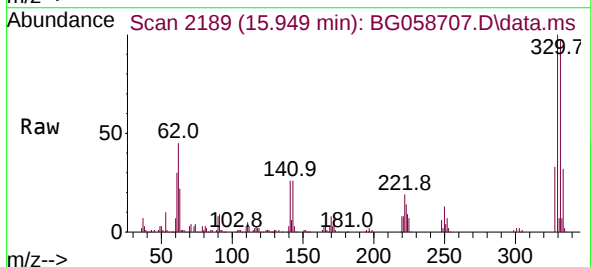
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z106-107

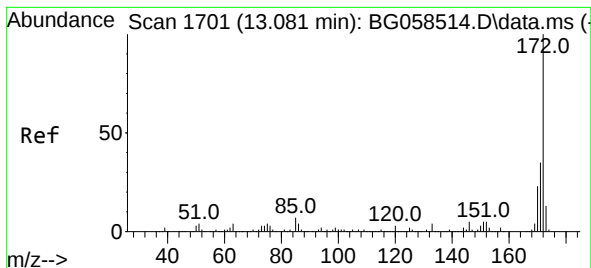
Tgt Ion:164 Resp: 136429
Ion Ratio Lower Upper
164 100
162 97.1 78.3 117.5
160 43.7 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 82.550 ng
RT: 15.949 min Scan# 2189
Delta R.T. -0.006 min
Lab File: BG058707.D
Acq: 11 Aug 2023 18:02

Tgt Ion:330 Resp: 184595
Ion Ratio Lower Upper
330 100
332 95.2 77.5 116.3
141 26.1 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 57.537 ng

RT: 13.076 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG058707.D

Acq: 11 Aug 2023 18:02

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB02-Z106-107

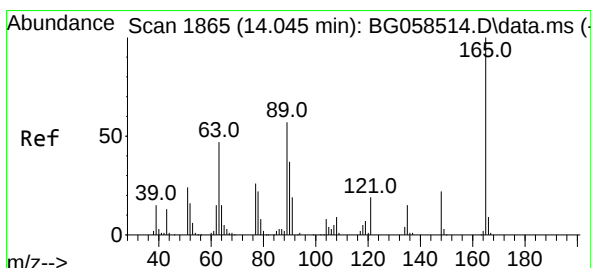
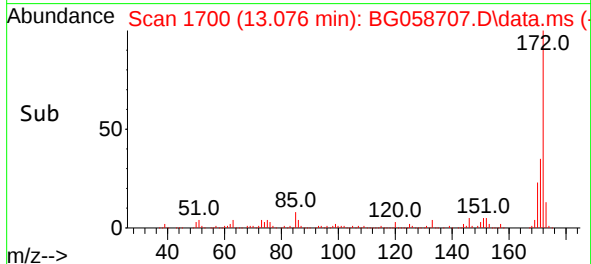
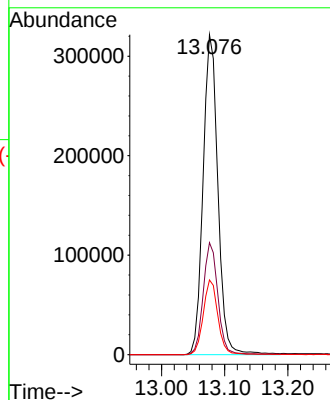
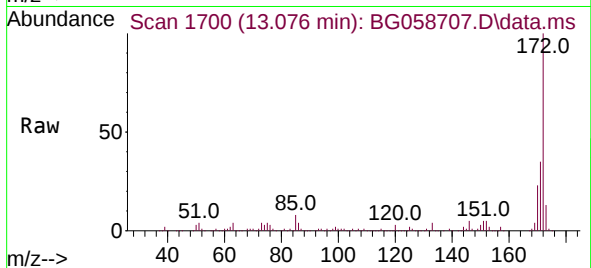
Tgt Ion:172 Resp: 523801

Ion Ratio Lower Upper

172 100

171 35.0 28.0 42.0

170 23.3 18.4 27.6



#51

2,6-Dinitrotoluene

Concen: 8.033 ng

RT: 14.457 min Scan# 1935

Delta R.T. 0.412 min

Lab File: BG058707.D

Acq: 11 Aug 2023 18:02

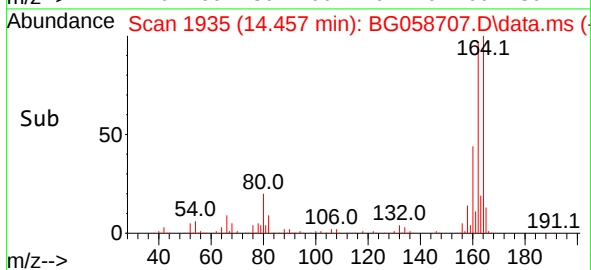
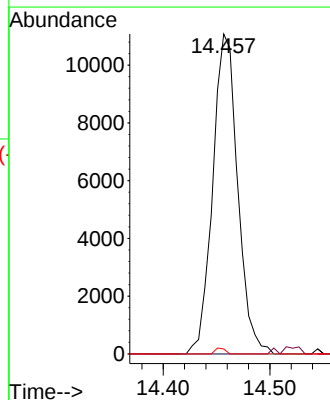
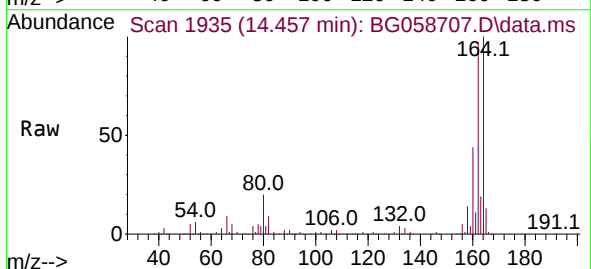
Tgt Ion:165 Resp: 18059

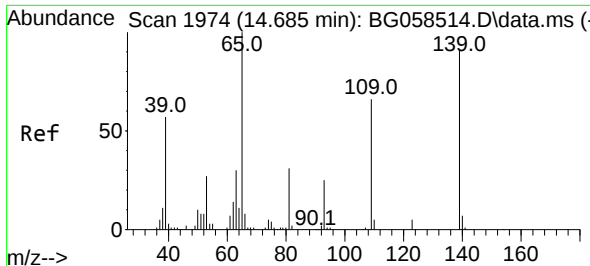
Ion Ratio Lower Upper

165 100

63 0.0 46.4 69.6#

89 1.5 45.3 67.9#

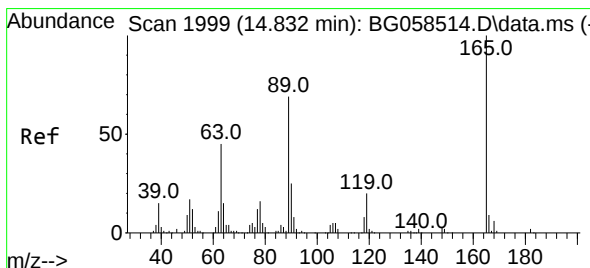
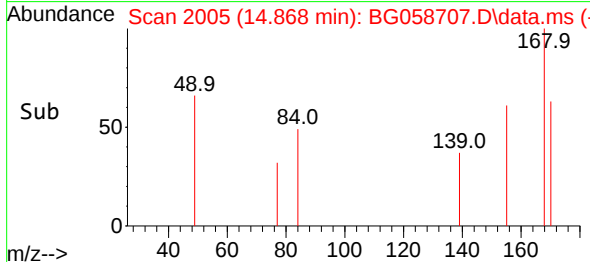
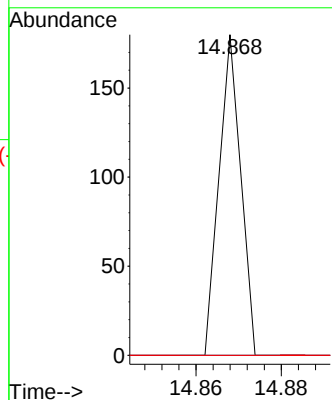
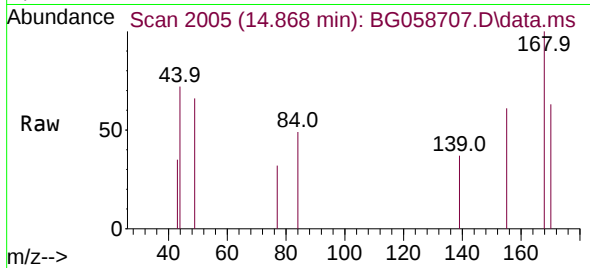




#56
4-Nitrophenol
Concen: 3.361 ng
RT: 14.868 min Scan# 20
Delta R.T. 0.183 min
Lab File: BG058707.D
Acq: 11 Aug 2023 18:02

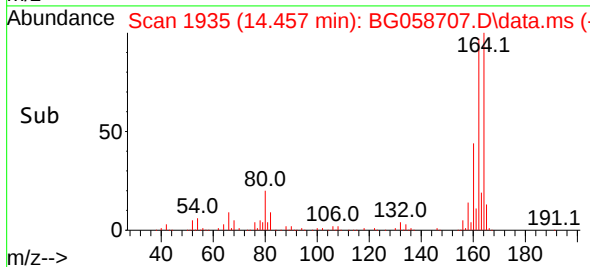
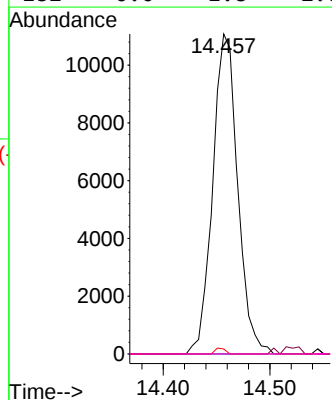
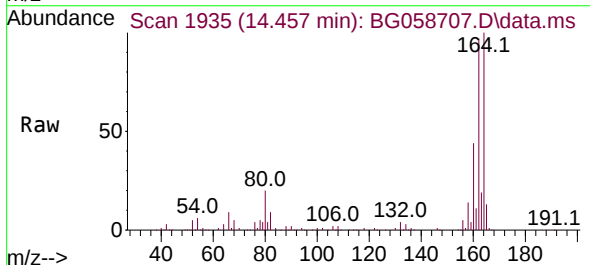
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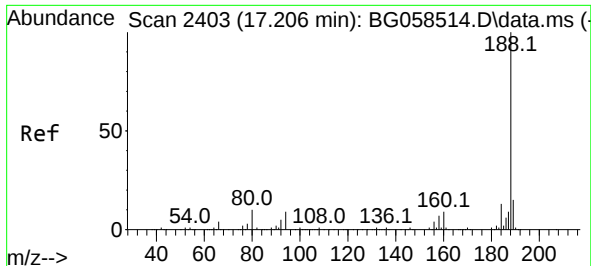
Tgt Ion:139 Resp: 63
Ion Ratio Lower Upper
139 100
109 0.0 52.5 92.5#
65 0.0 90.5 130.5#



#57
2,4-Dinitrotoluene
Concen: 5.794 ng
RT: 14.457 min Scan# 1935
Delta R.T. -0.375 min
Lab File: BG058707.D
Acq: 11 Aug 2023 18:02

Tgt Ion:165 Resp: 18059
Ion Ratio Lower Upper
165 100
63 0.0 36.6 54.8#
89 1.5 55.4 83.0#
182 0.0 1.8 2.6#

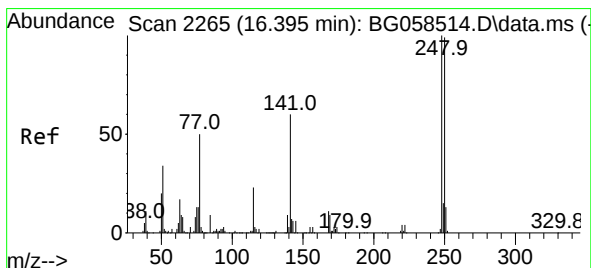
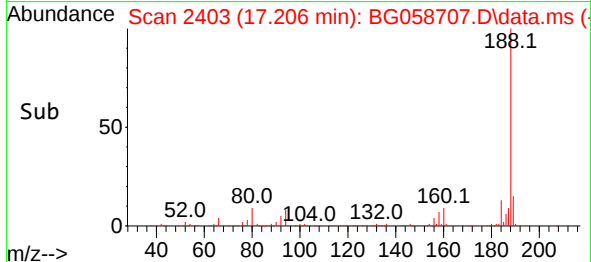
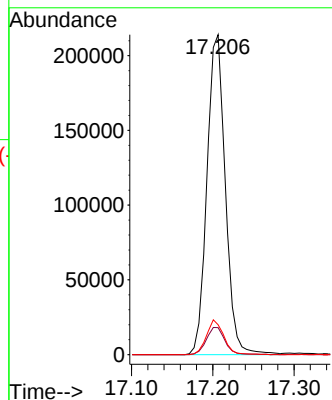
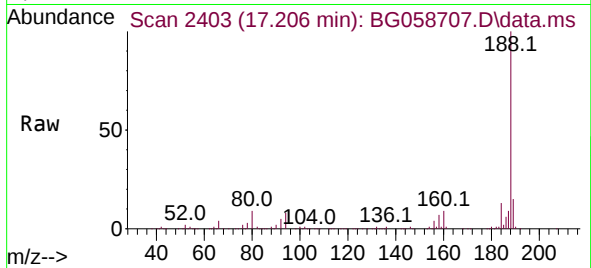




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.206 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG058707.D
Acq: 11 Aug 2023 18:02

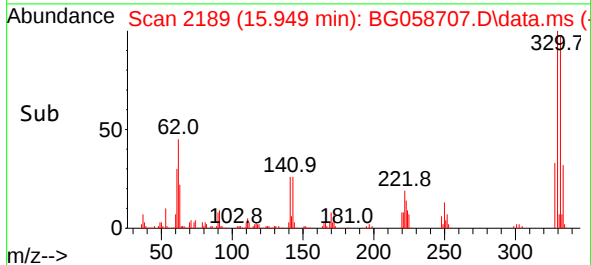
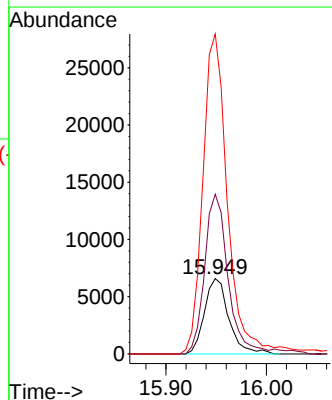
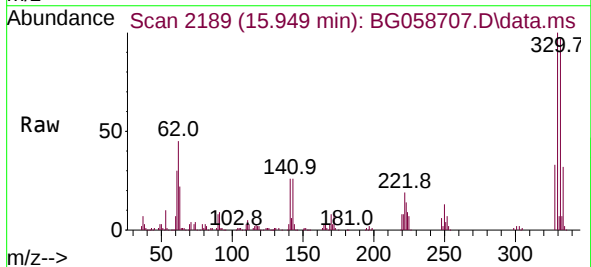
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z106-107

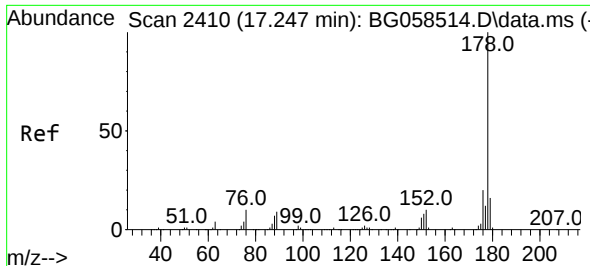
Tgt Ion:188 Resp: 336625
Ion Ratio Lower Upper
188 100
94 8.4 7.0 10.6
80 9.3 8.1 12.1



#67
4-Bromophenyl-phenylether
Concen: 2.892 ng
RT: 15.949 min Scan# 2189
Delta R.T. -0.446 min
Lab File: BG058707.D
Acq: 11 Aug 2023 18:02

Tgt Ion:248 Resp: 11041
Ion Ratio Lower Upper
248 100
250 212.0 79.5 119.3#
141 425.0 48.2 72.2#

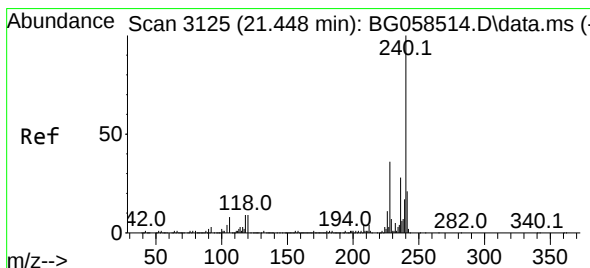
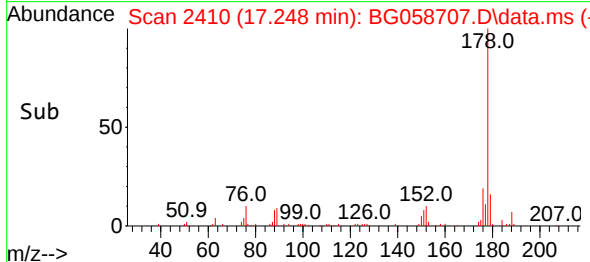
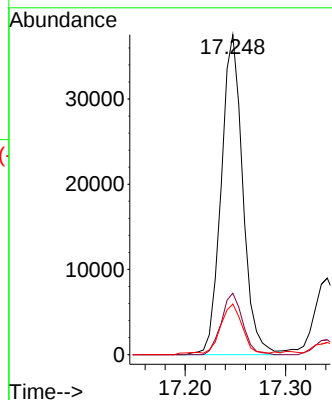
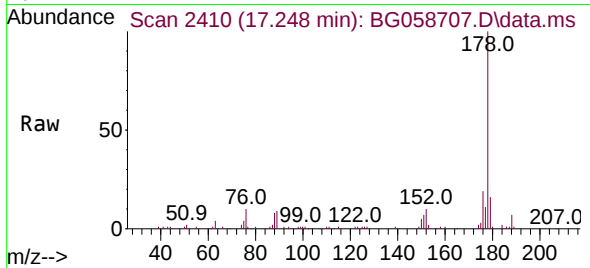




#71
Phenanthrene
Concen: 3.521 ng
RT: 17.248 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BG058707.D
Acq: 11 Aug 2023 18:02

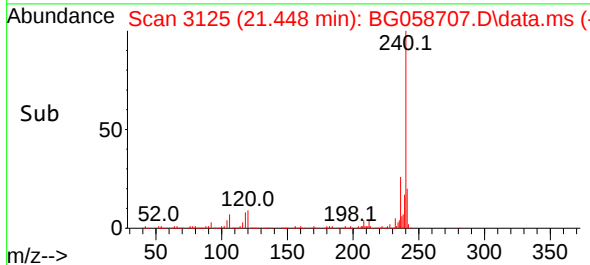
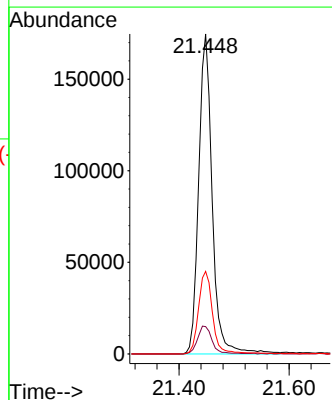
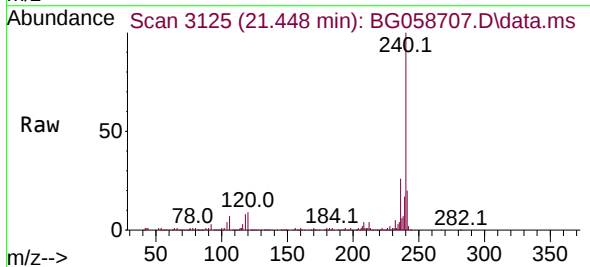
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z106-107

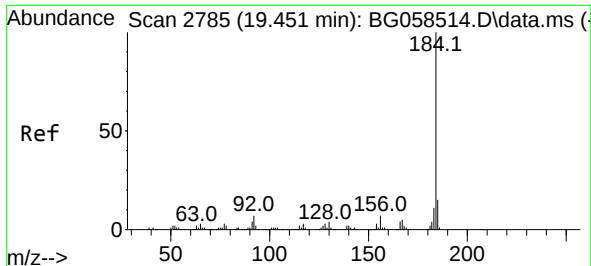
Tgt Ion:178 Resp: 56218
Ion Ratio Lower Upper
178 100
176 19.2 16.3 24.5
179 15.8 13.1 19.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.448 min Scan# 3125
Delta R.T. 0.000 min
Lab File: BG058707.D
Acq: 11 Aug 2023 18:02

Tgt Ion:240 Resp: 297118
Ion Ratio Lower Upper
240 100
120 8.5 7.4 11.0
236 25.8 22.2 33.4

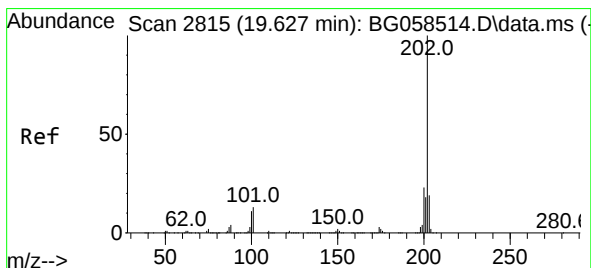
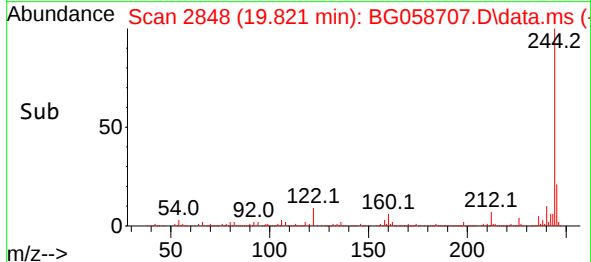
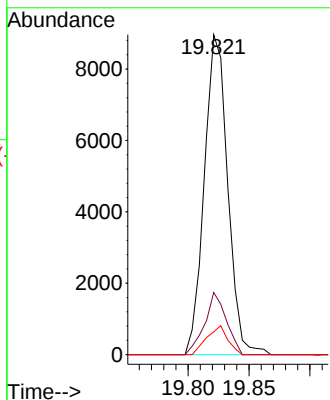
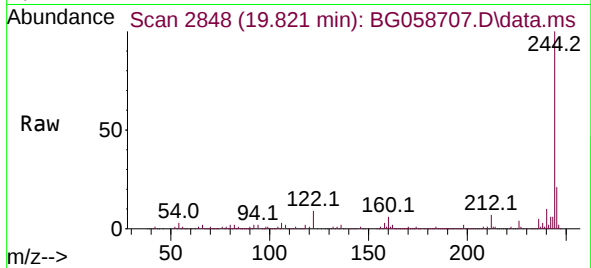




#77
Benzidine
Concen: 2.659 ng
RT: 19.821 min Scan# 2848
Delta R.T. 0.370 min
Lab File: BG058707.D
Acq: 11 Aug 2023 18:02

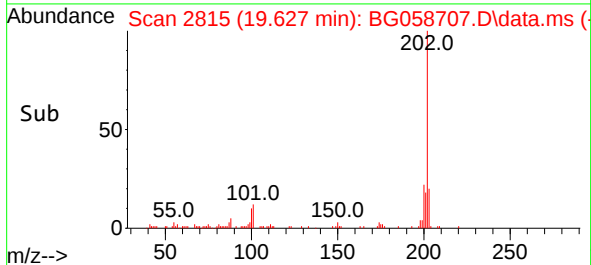
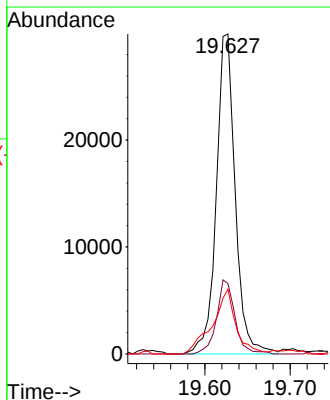
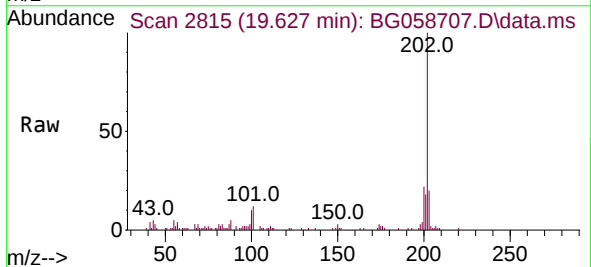
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB02-Z106-107

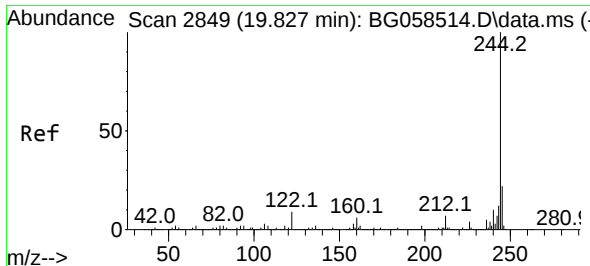
Tgt Ion:184 Resp: 11980
Ion Ratio Lower Upper
184 100
185 19.4 11.9 17.9#
183 7.1 8.7 13.1#



#78
Pyrene
Concen: 2.281 ng
RT: 19.627 min Scan# 2815
Delta R.T. 0.000 min
Lab File: BG058707.D
Acq: 11 Aug 2023 18:02

Tgt Ion:202 Resp: 46132
Ion Ratio Lower Upper
202 100
200 22.0 18.2 27.2
203 20.2 15.1 22.7

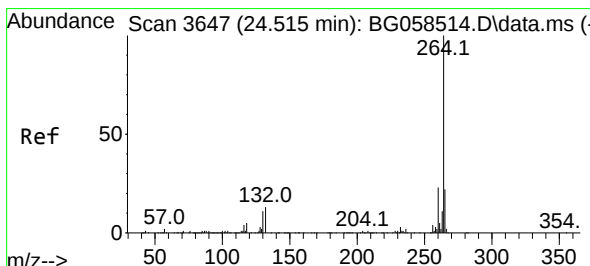
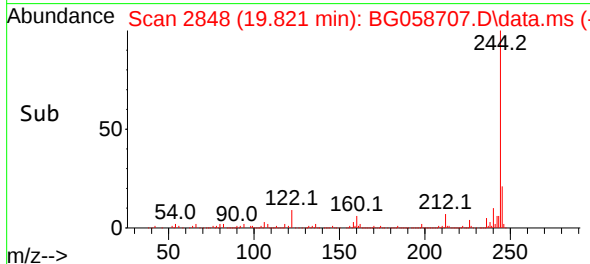
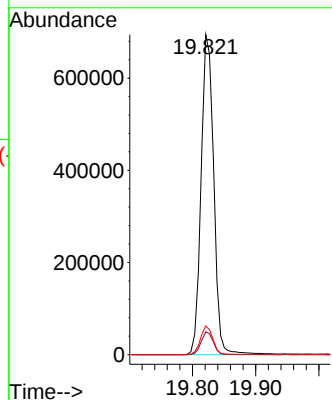
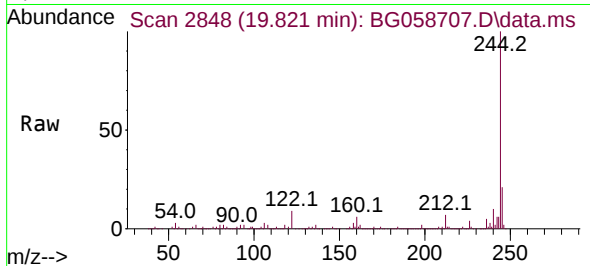




#79
 Terphenyl-d14
 Concen: 61.107 ng
 RT: 19.821 min Scan# 2848
 Delta R.T. -0.006 min
 Lab File: BG058707.D
 Acq: 11 Aug 2023 18:02

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB02-Z106-107

Tgt Ion:244 Resp: 965470
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 8.9 6.8 10.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.521 min Scan# 3648
 Delta R.T. 0.006 min
 Lab File: BG058707.D
 Acq: 11 Aug 2023 18:02

Tgt Ion:264 Resp: 337368
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.4 27.6
 265 22.0 17.9 26.9

