

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112423\
 Data File : BG059878.D
 Acq On : 25 Nov 2023 4:29
 Operator : MA/JU
 Sample : 05420-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-12018

Quant Time: Nov 25 05:04:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 24 15:11:07 2023
 Response via : Initial Calibration

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

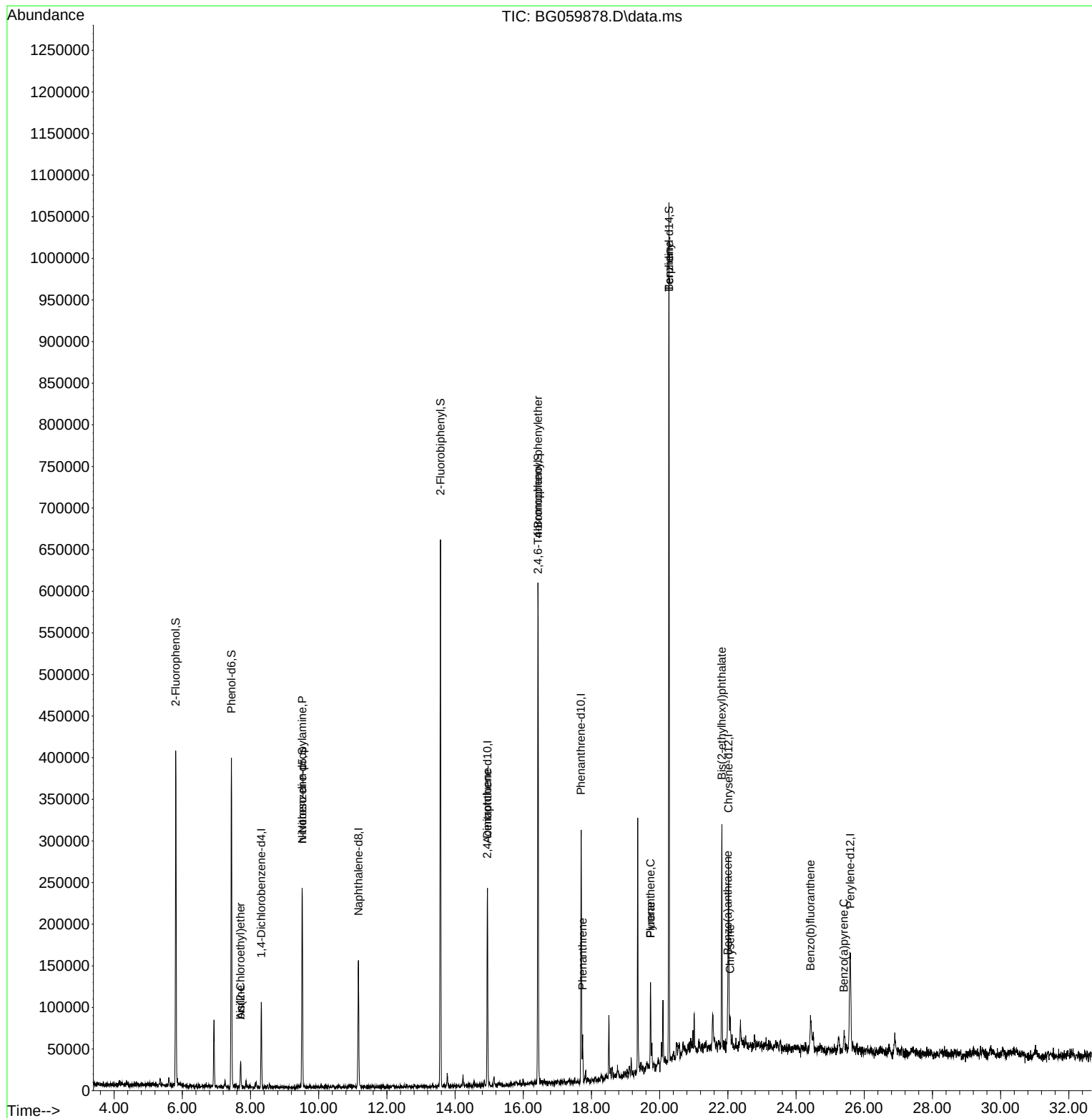
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.317	152	23895	20.000	ng	# 0.00
21) Naphthalene-d8	11.166	136	103371	20.000	ng	# 0.00
39) Acenaphthene-d10	14.950	164	75614	20.000	ng	# 0.00
64) Phenanthrene-d10	17.694	188	165548	20.000	ng	-0.02
76) Chrysene-d12	22.018	240	119367	20.000	ng	#-0.02
86) Perylene-d12	25.591	264	139820	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.808	112	136428	96.098	ng	0.00
7) Phenol-d6	7.441	99	181486	86.265	ng	0.00
23) Nitrobenzene-d5	9.515	82	146922	54.283	ng	0.00
42) 2,4,6-Tribromophenol	16.437	330	80325	93.626	ng	0.00
45) 2-Fluorobiphenyl	13.569	172	287442	51.169	ng	0.00
79) Terphenyl-d14	20.273	244	417792	51.670	ng	0.00
Target Compounds						Qvalue
6) Aniline	7.706	93	8883	3.199	ng	# 54
11) bis(2-Chloroethyl)ether	7.706	93	8883	6.581	ng	# 35
19) n-Nitroso-di-n-propyla...	9.515	70	24371	14.710	ng	# 83
57) 2,4-Dinitrotoluene	14.944	165	8488	4.965	ng	# 4
67) 4-Bromophenyl-phenylether	16.431	248	4854	2.729	ng	# 1
71) Phenanthrene	17.741	178	29764	3.536	ng	# 90
75) Fluoranthene	19.733	202	56784	5.626	ng	98
77) Benzidine	20.273	184	13340	4.928	ng	96
78) Pyrene	19.733	202	56784	6.992	ng	97
81) Benzo(a)anthracene	21.995	228	29062	3.558	ng	# 82
83) Chrysene	22.071	228	21957	2.933	ng	# 74
84) Bis(2-ethylhexyl)phtha...	21.825	149	107745	23.144	ng	99
88) Benzo(b)fluoranthene	24.421	252	36859	4.810	ng	# 97
90) Benzo(a)pyrene	25.403	252	24639	3.013	ng	# 98

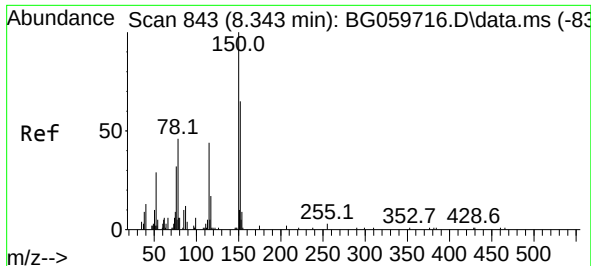
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 25 05:04:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 24 15:11:07 2023
Response via : Initial Calibration

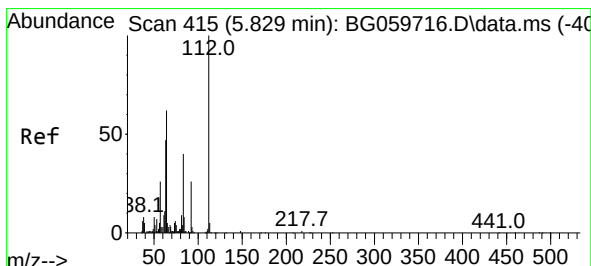
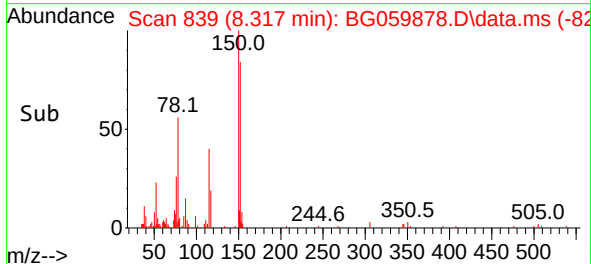
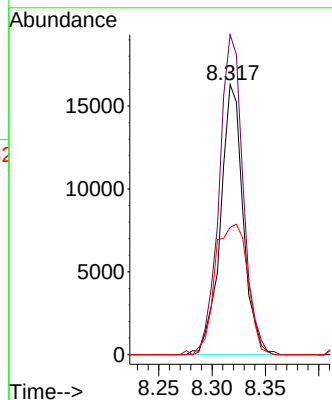
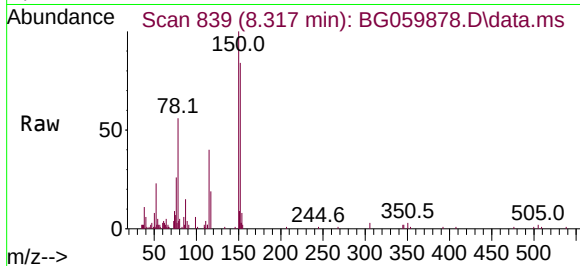




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.317 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

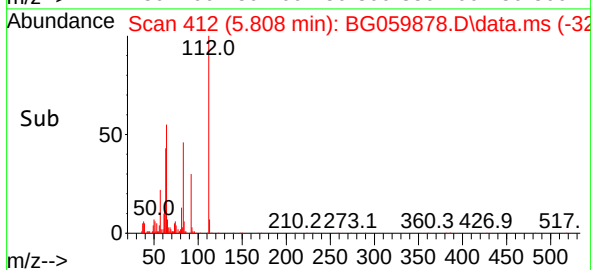
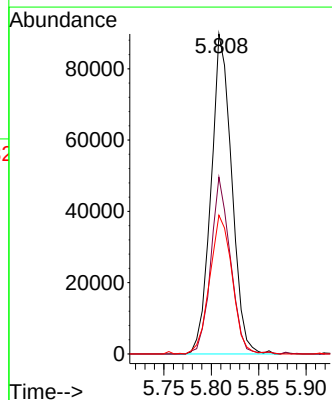
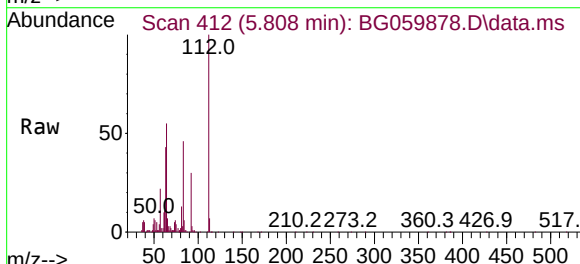
Instrument :
BNA_G
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72-12018

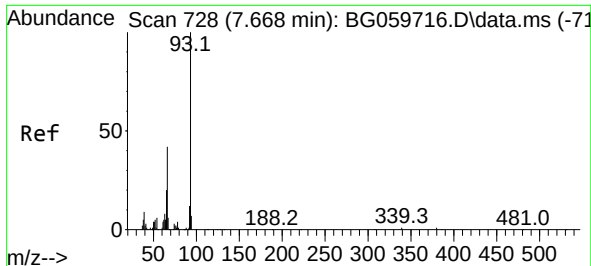
Tgt Ion:152 Resp: 23895
Ion Ratio Lower Upper
152 100
150 118.5 122.2 183.4#
115 47.2 54.2 81.4#



#5
2-Fluorophenol
Concen: 96.098 ng
RT: 5.808 min Scan# 412
Delta R.T. -0.004 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

Tgt Ion:112 Resp: 136428
Ion Ratio Lower Upper
112 100
64 55.2 49.5 74.3
63 43.3 37.4 56.2





#6

Aniline

Concen: 3.199 ng

RT: 7.706 min Scan# 71

Delta R.T. 0.061 min

Lab File: BG059878.D

Acq: 25 Nov 2023 4:29

Instrument :

BNA_G

ClientSampleId :

72-12018

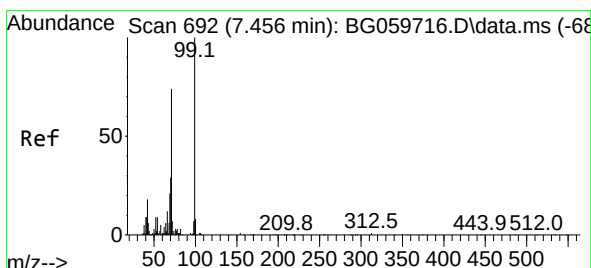
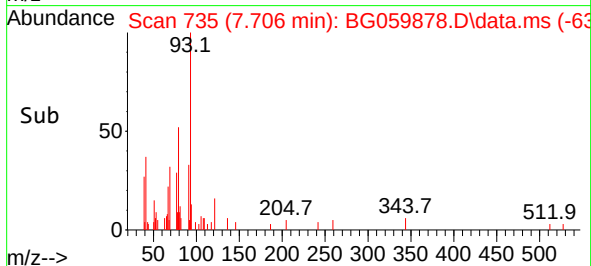
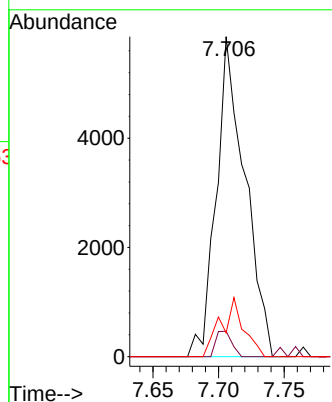
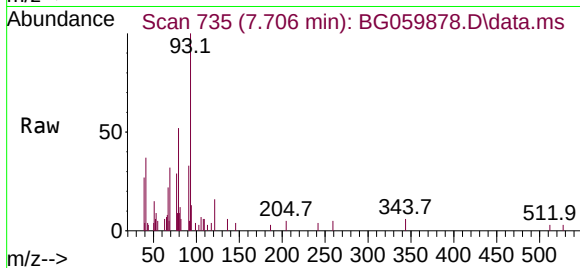
Tgt Ion: 93 Resp: 8883

Ion Ratio Lower Upper

93 100

66 8.0 33.9 50.9#

65 7.4 15.8 23.8#



#7

Phenol-d6

Concen: 86.265 ng

RT: 7.441 min Scan# 690

Delta R.T. -0.004 min

Lab File: BG059878.D

Acq: 25 Nov 2023 4:29

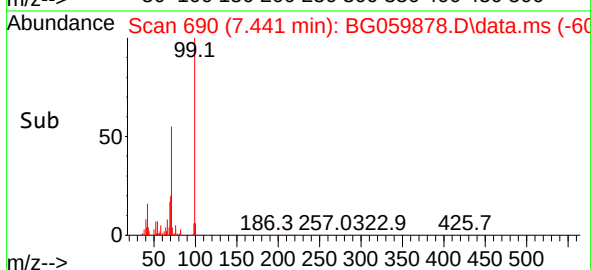
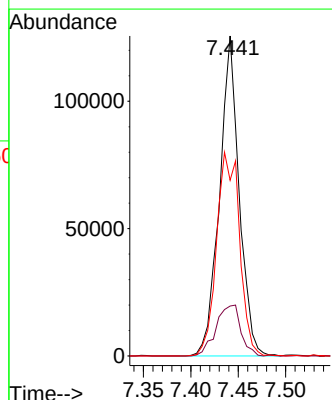
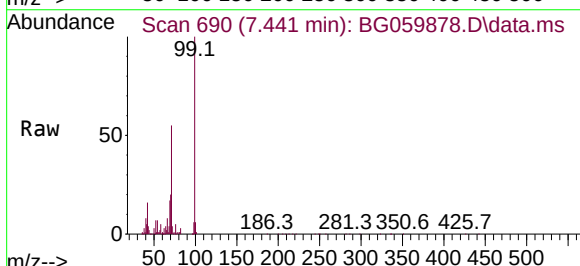
Tgt Ion: 99 Resp: 181486

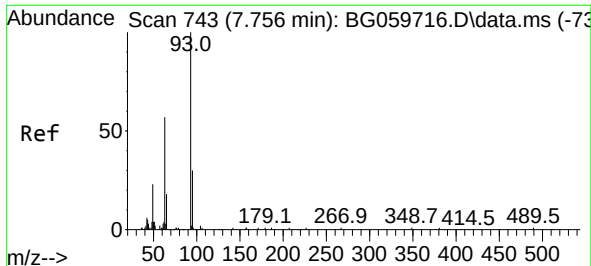
Ion Ratio Lower Upper

99 100

42 15.6 14.3 21.5

71 54.9 59.3 88.9#

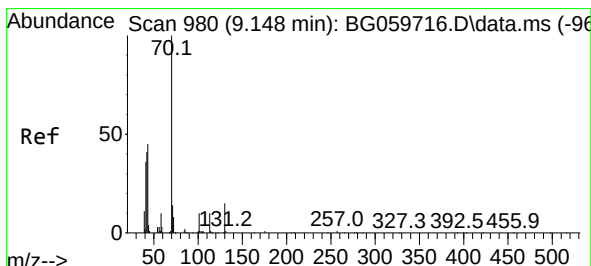
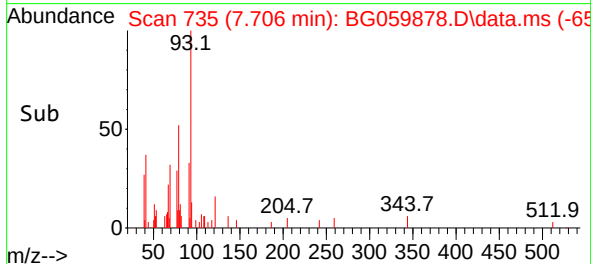
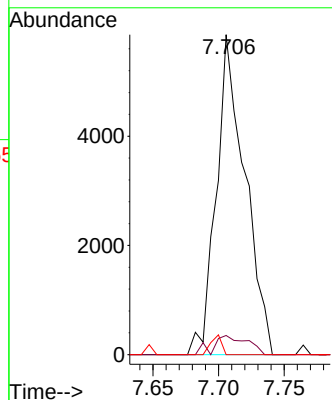
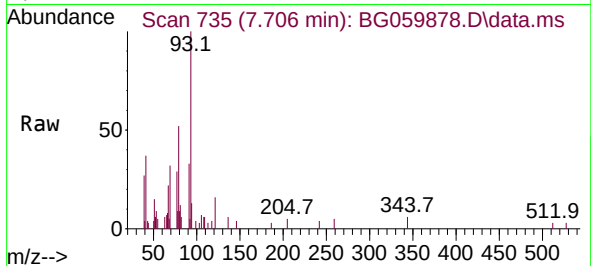




#11
bis(2-Chloroethyl)ether
Concen: 6.581 ng
RT: 7.706 min Scan# 71
Delta R.T. -0.033 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

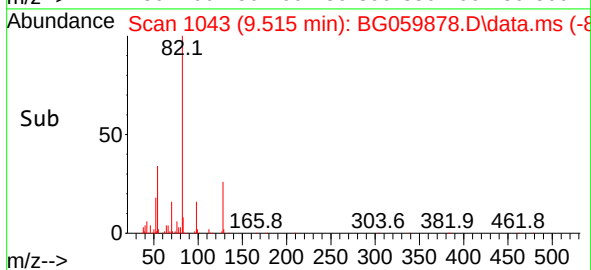
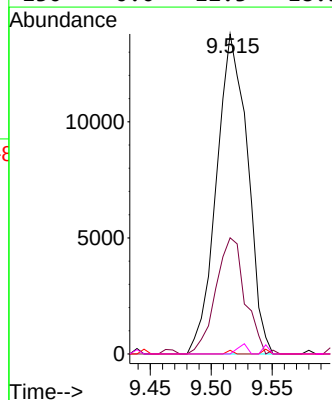
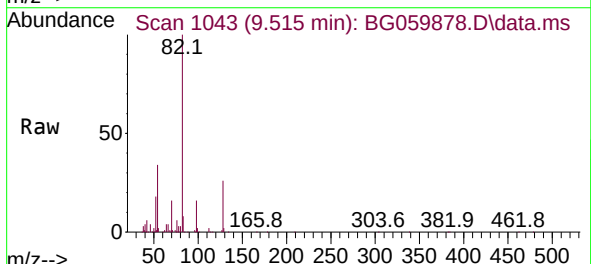
Instrument :
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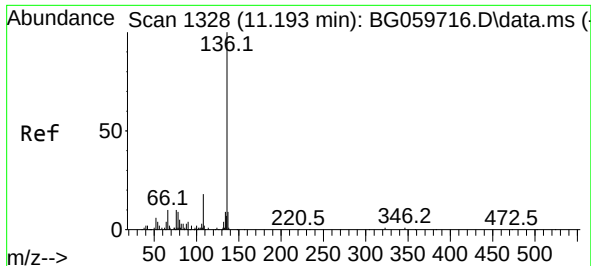
Tgt Ion: 93 Resp: 8883
Ion Ratio Lower Upper
93 100
63 6.0 37.2 77.2#
95 0.0 10.2 50.2#



#19
n-Nitroso-di-n-propylamine
Concen: 14.710 ng
RT: 9.515 min Scan# 1043
Delta R.T. 0.384 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

Tgt Ion: 70 Resp: 24371
Ion Ratio Lower Upper
70 100
42 36.3 32.8 49.2
101 1.2 7.7 11.5#
130 0.0 12.3 18.5#

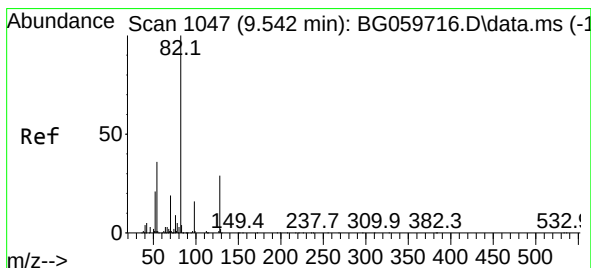
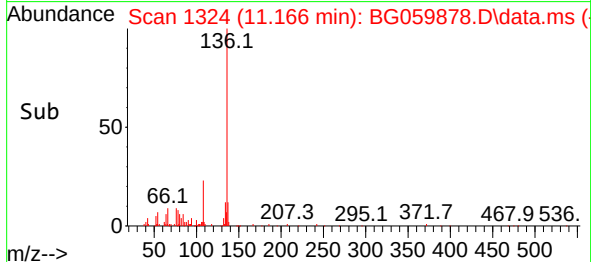
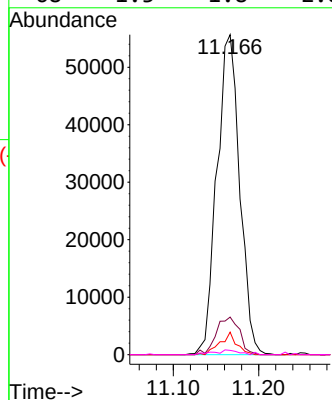
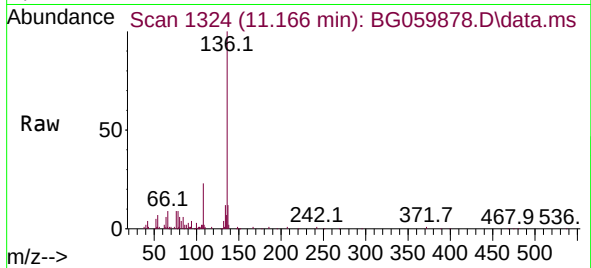




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.166 min Scan# 111
Delta R.T. -0.004 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

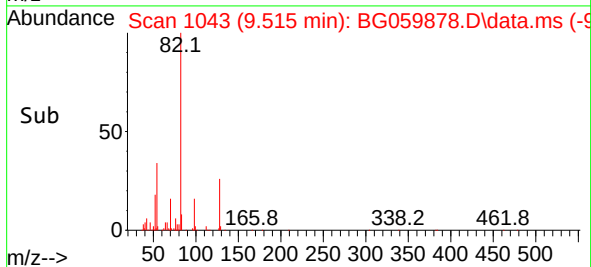
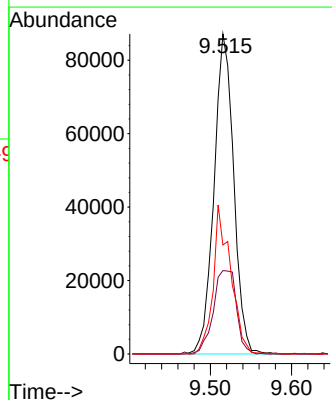
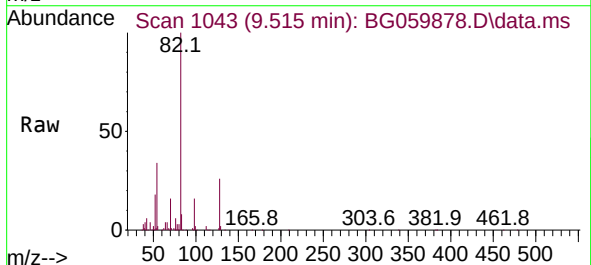
Instrument :
BNA_G
ClientSampleId :
72-12018

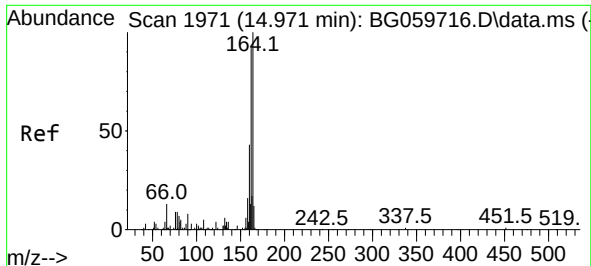
Tgt Ion:136 Resp: 103371
Ion Ratio Lower Upper
136 100
137 11.7 7.4 11.0#
54 7.1 3.1 4.7#
68 1.3 1.8 2.8#



#23
Nitrobenzene-d5
Concen: 54.283 ng
RT: 9.515 min Scan# 1043
Delta R.T. -0.010 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

Tgt Ion: 82 Resp: 146922
Ion Ratio Lower Upper
82 100
128 26.0 23.0 34.6
54 34.0 28.7 43.1

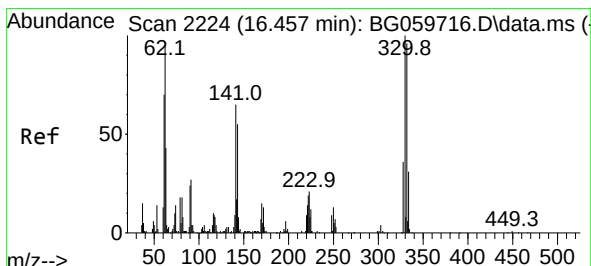
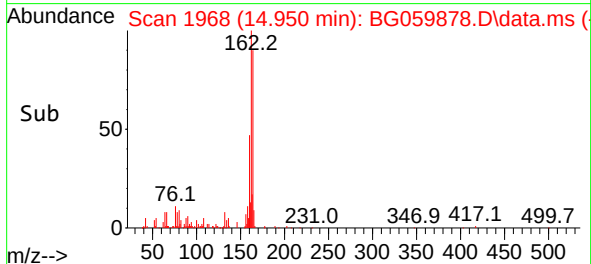
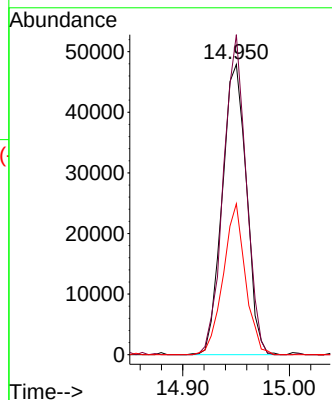
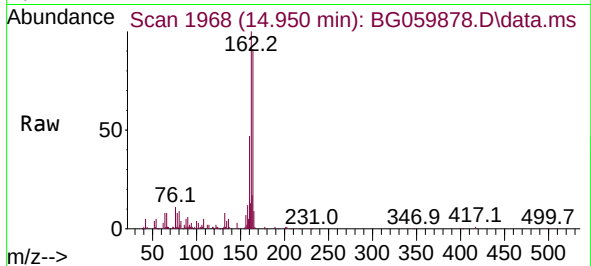




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.950 min Scan# 1971
Delta R.T. -0.004 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

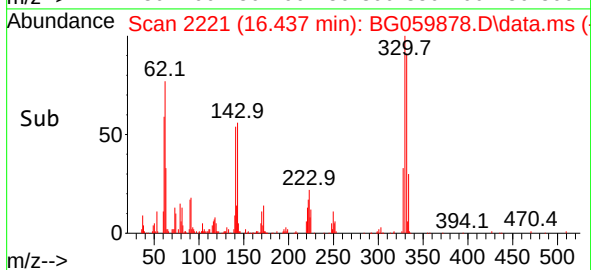
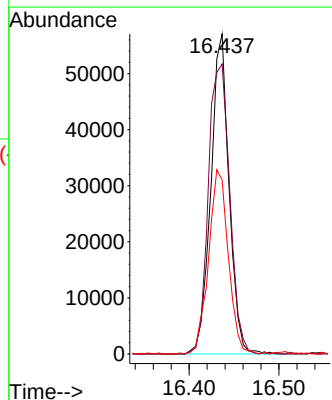
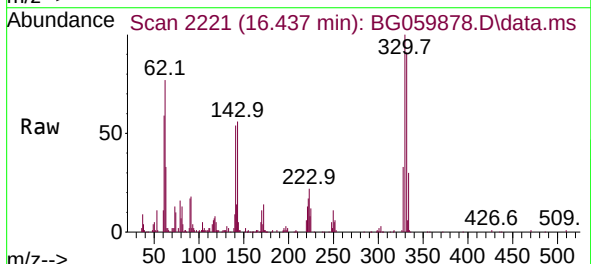
Instrument :
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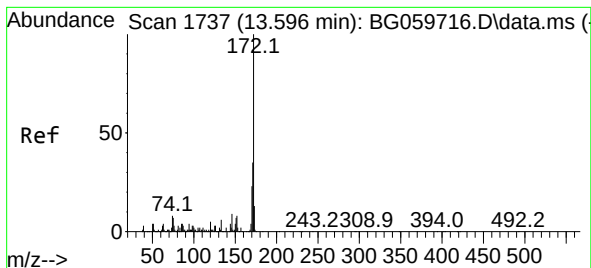
Tgt Ion:164 Resp: 75614
Ion Ratio Lower Upper
164 100
162 110.2 73.3 109.9#
160 52.0 34.1 51.1#



#42
2,4,6-Tribromophenol
Concen: 93.626 ng
RT: 16.437 min Scan# 2221
Delta R.T. -0.004 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

Tgt Ion:330 Resp: 80325
Ion Ratio Lower Upper
330 100
332 106.1 73.3 109.9
141 62.4 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 51.169 ng

RT: 13.569 min Scan# 1

Delta R.T. -0.010 min

Lab File: BG059878.D

Acq: 25 Nov 2023 4:29

Instrument :

BNA_G

ClientSampleId :

72-12018

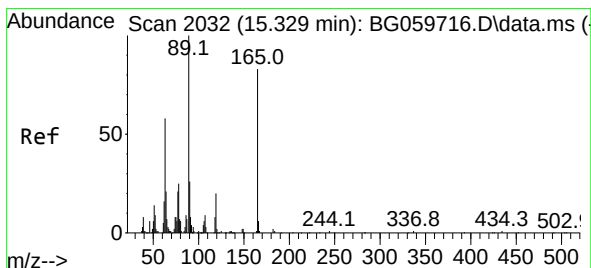
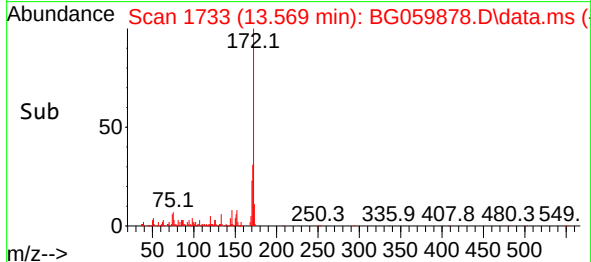
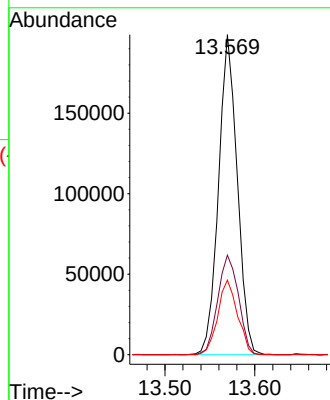
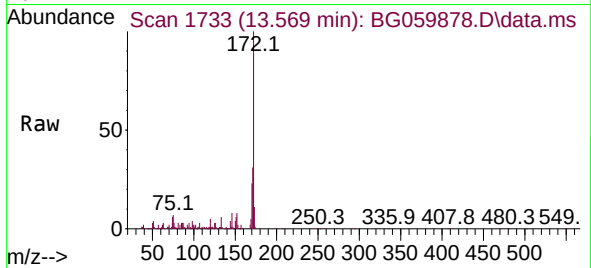
Tgt Ion:172 Resp: 287442

Ion Ratio Lower Upper

172 100

171 31.1 27.7 41.5

170 23.3 18.4 27.6



#57

2,4-Dinitrotoluene

Concen: 4.965 ng

RT: 14.944 min Scan# 1967

Delta R.T. -0.380 min

Lab File: BG059878.D

Acq: 25 Nov 2023 4:29

Tgt Ion:165 Resp: 8488

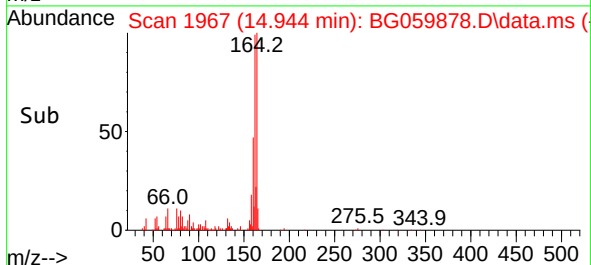
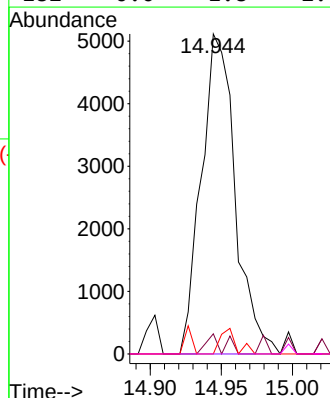
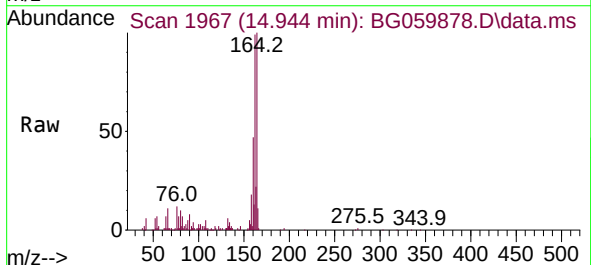
Ion Ratio Lower Upper

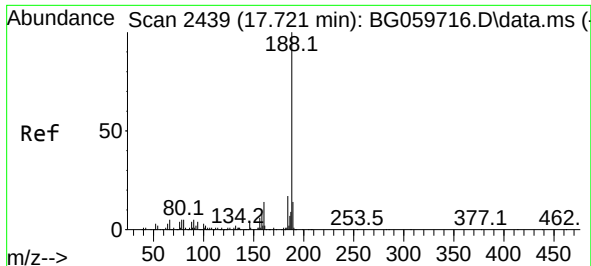
165 100

63 6.3 55.8 83.8#

89 0.0 96.9 145.3#

182 0.0 1.8 2.6#

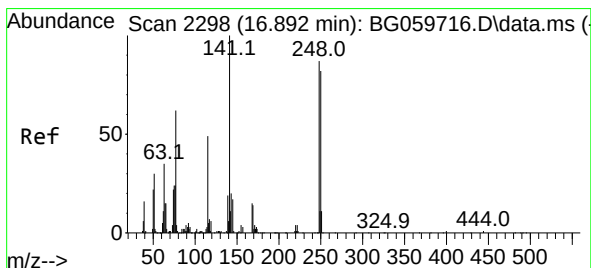
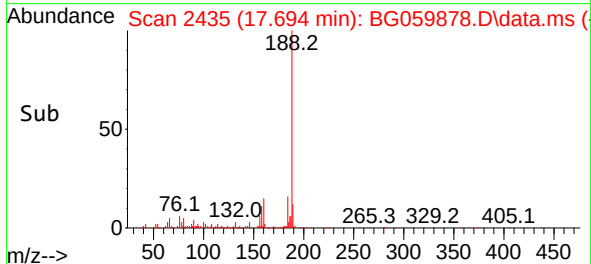
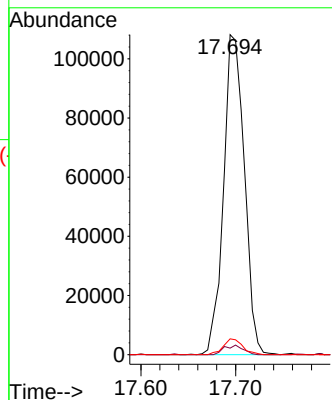
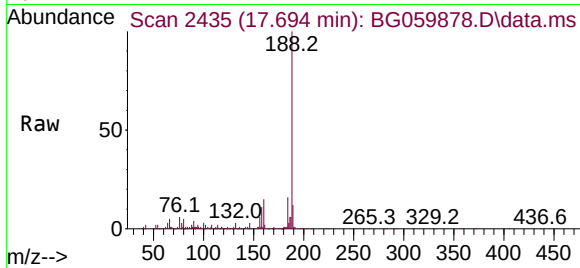




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.694 min Scan# 24
Delta R.T. -0.015 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

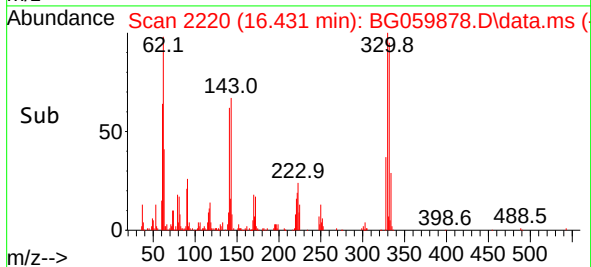
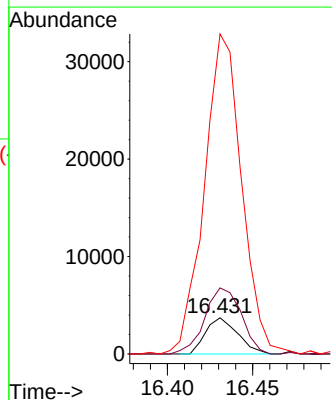
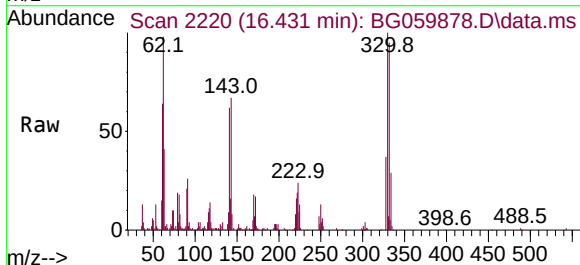
Instrument :
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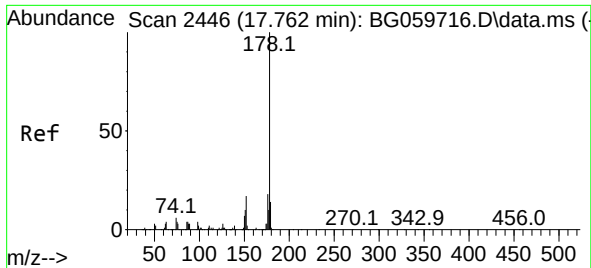
Tgt Ion:188 Resp: 165548
Ion Ratio Lower Upper
188 100
94 3.0 3.0 4.4
80 5.4 4.2 6.4



#67
4-Bromophenyl-phenylether
Concen: 2.729 ng
RT: 16.431 min Scan# 2220
Delta R.T. -0.450 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

Tgt Ion:248 Resp: 4854
Ion Ratio Lower Upper
248 100
250 242.7 75.2 112.8#
141 885.6 91.5 137.3#

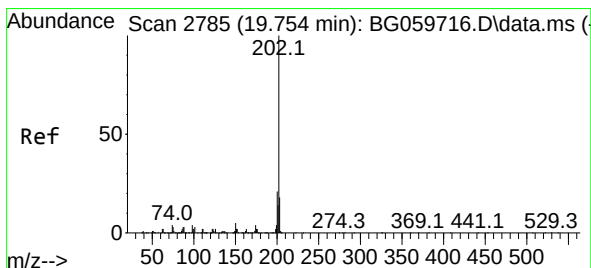
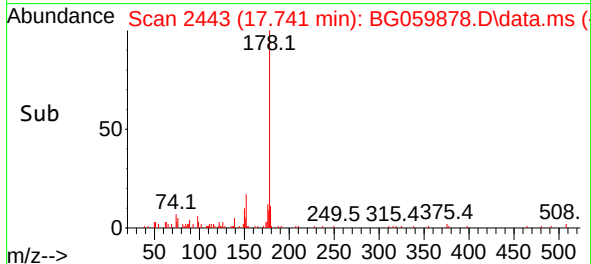
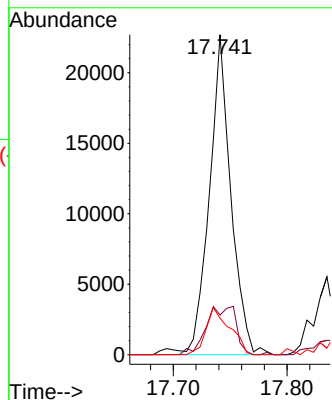
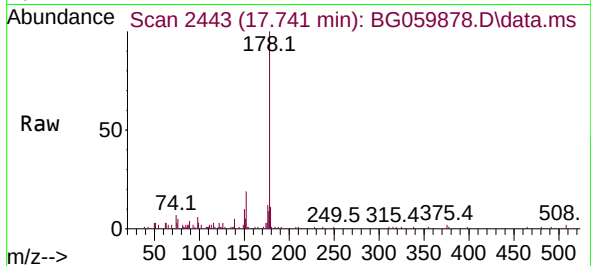




#71
Phenanthrene
Concen: 3.536 ng
RT: 17.741 min Scan# 24
Delta R.T. -0.010 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

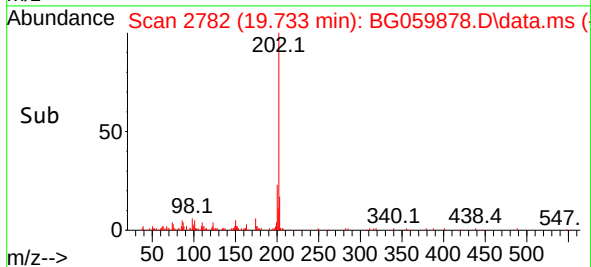
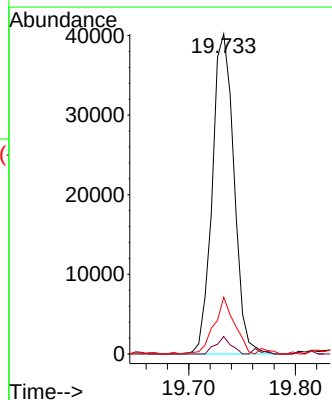
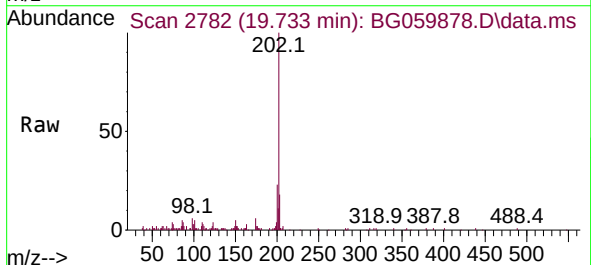
Instrument :
BNA_G
ClientSampleId :
72-12018

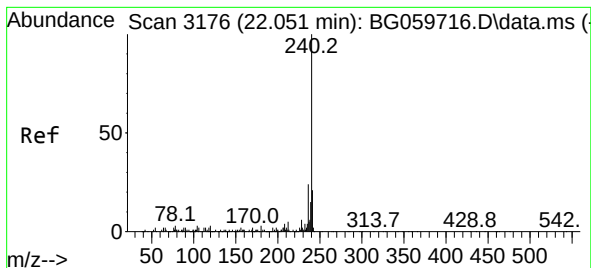
Tgt Ion:178 Resp: 29764
Ion Ratio Lower Upper
178 100
176 12.4 14.5 21.7#
179 11.4 11.2 16.8



#75
Fluoranthene
Concen: 5.626 ng
RT: 19.733 min Scan# 2782
Delta R.T. -0.010 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

Tgt Ion:202 Resp: 56784
Ion Ratio Lower Upper
202 100
101 5.4 0.0 22.7
203 17.7 0.0 38.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.018 min Scan# 31

Delta R.T. -0.015 min

Lab File: BG059878.D

Acq: 25 Nov 2023 4:29

Instrument :

BNA_G

ClientSampleId :

72-12018

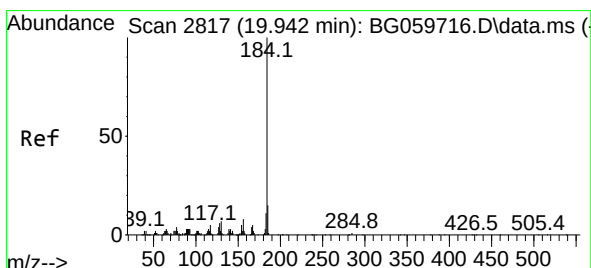
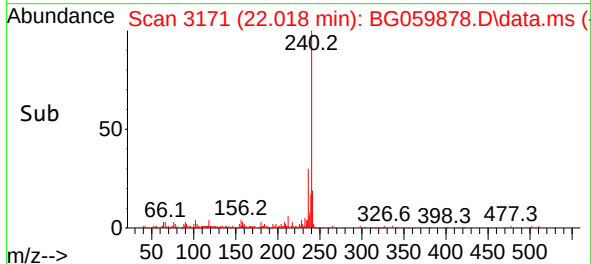
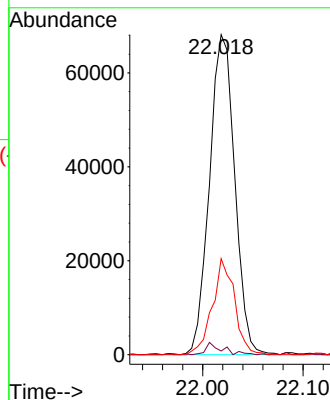
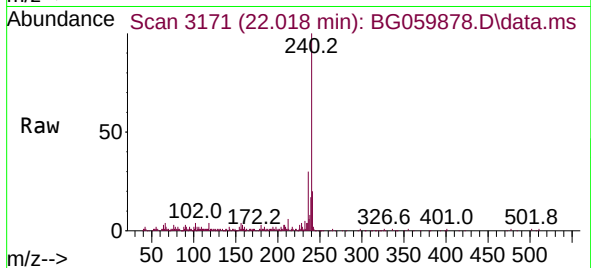
Tgt Ion:240 Resp: 119367

Ion Ratio Lower Upper

240 100

120 1.2 2.2 3.2#

236 30.0 19.4 29.2#



#77

Benzidine

Concen: 4.928 ng

RT: 20.273 min Scan# 2874

Delta R.T. 0.343 min

Lab File: BG059878.D

Acq: 25 Nov 2023 4:29

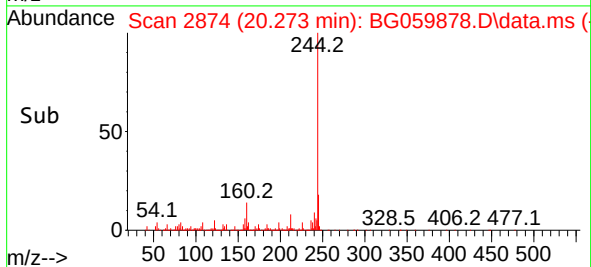
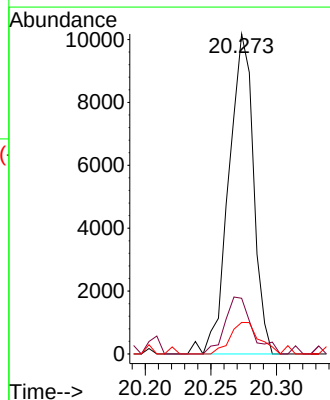
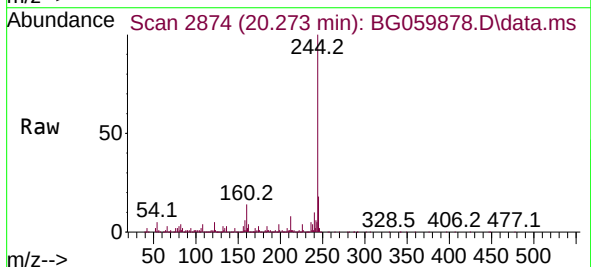
Tgt Ion:184 Resp: 13340

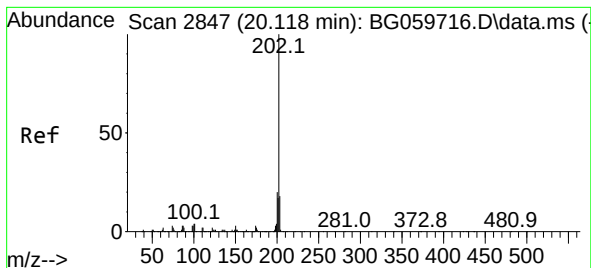
Ion Ratio Lower Upper

184 100

185 17.4 12.2 18.2

183 9.9 8.8 13.2





#78

Pyrene

Concen: 6.992 ng

RT: 19.733 min Scan# 21

Delta R.T. -0.374 min

Lab File: BG059878.D

Acq: 25 Nov 2023 4:29

Instrument :

BNA_G

ClientSampleId :

72-12018

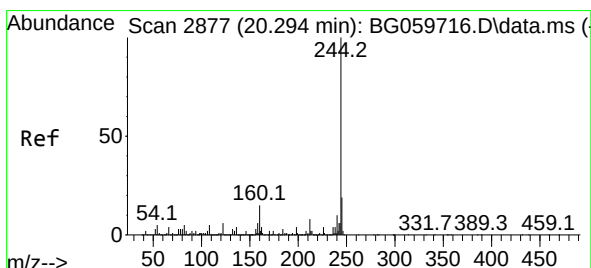
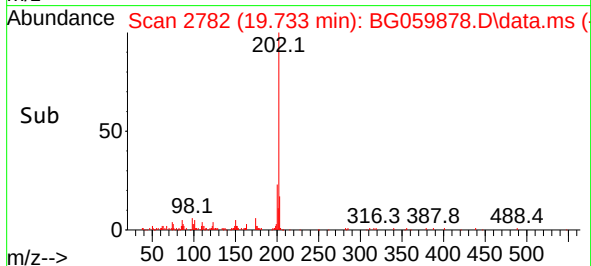
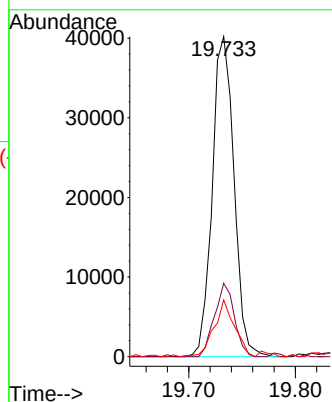
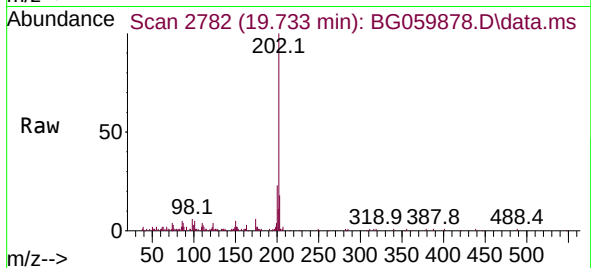
Tgt Ion:202 Resp: 56784

Ion Ratio Lower Upper

202 100

200 23.0 16.2 24.4

203 17.7 14.0 21.0



#79

Terphenyl-d14

Concen: 51.670 ng

RT: 20.273 min Scan# 2874

Delta R.T. -0.010 min

Lab File: BG059878.D

Acq: 25 Nov 2023 4:29

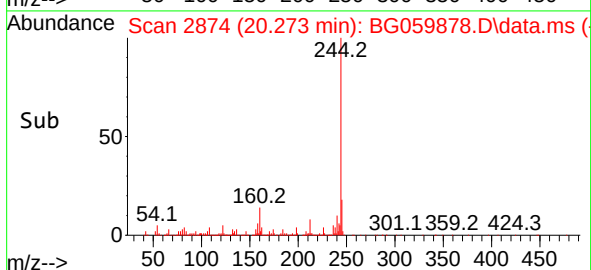
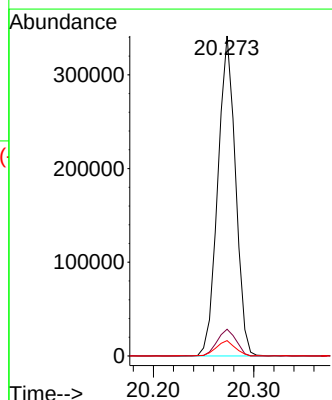
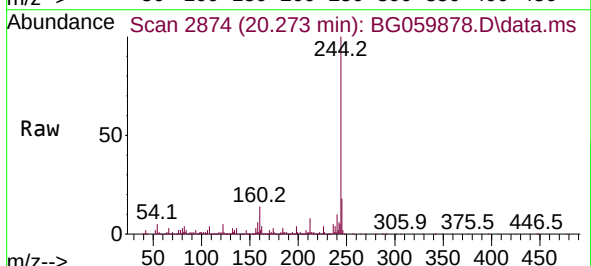
Tgt Ion:244 Resp: 417792

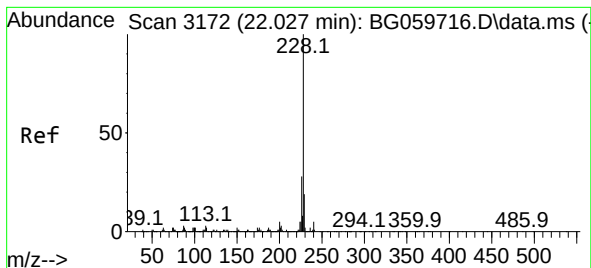
Ion Ratio Lower Upper

244 100

212 8.4 6.6 10.0

122 4.8 4.4 6.6





#81

Benzo(a)anthracene

Concen: 3.558 ng

RT: 21.995 min Scan# 31

Delta R.T. -0.015 min

Lab File: BG059878.D

Acq: 25 Nov 2023 4:29

Instrument :

BNA_G

ClientSampleId :

72-12018

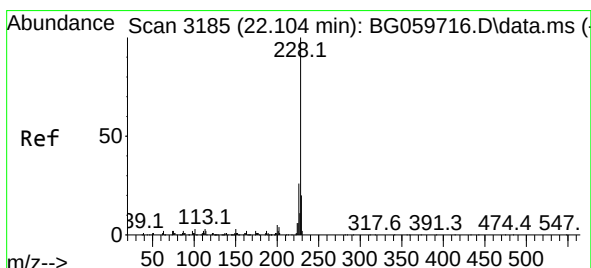
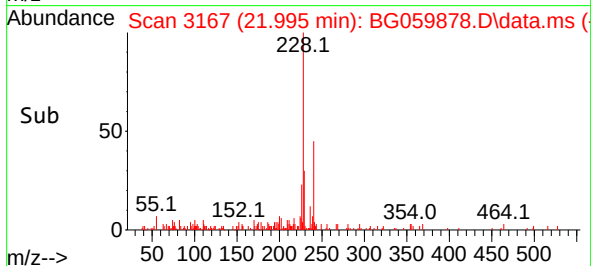
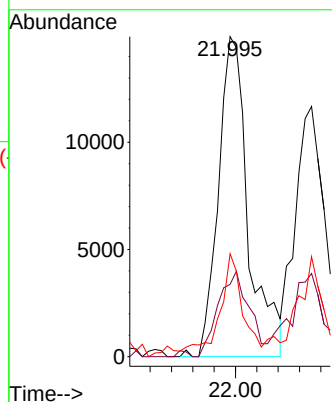
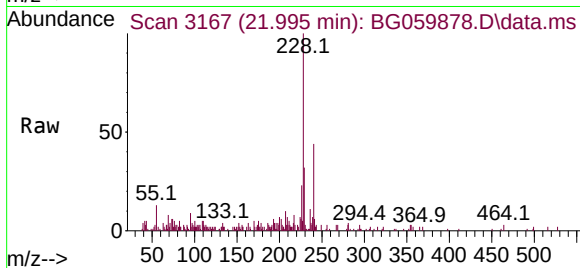
Tgt Ion:228 Resp: 29062

Ion Ratio Lower Upper

228 100

226 22.6 22.1 33.1

229 32.2 14.9 22.3#



#83

Chrysene

Concen: 2.933 ng

RT: 22.071 min Scan# 3180

Delta R.T. -0.015 min

Lab File: BG059878.D

Acq: 25 Nov 2023 4:29

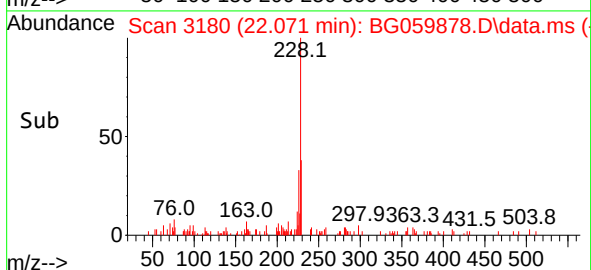
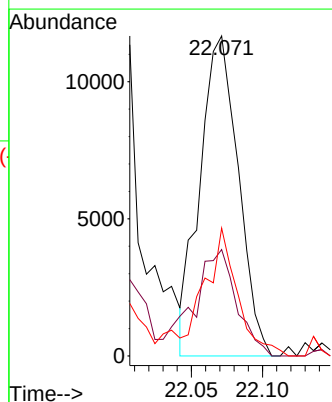
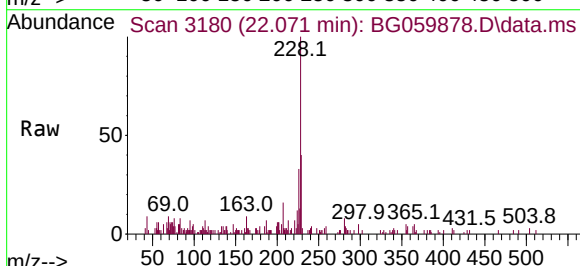
Tgt Ion:228 Resp: 21957

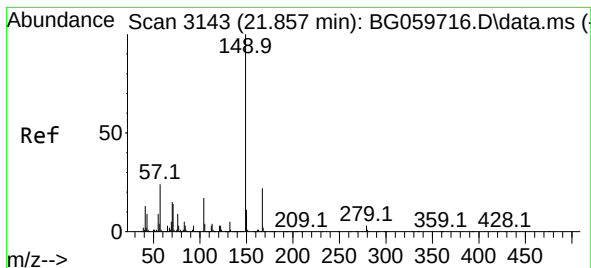
Ion Ratio Lower Upper

228 100

226 33.3 21.1 31.7#

229 40.0 16.2 24.4#

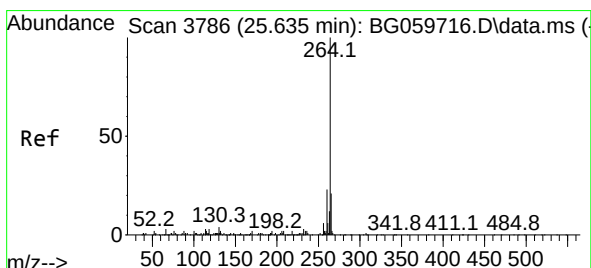
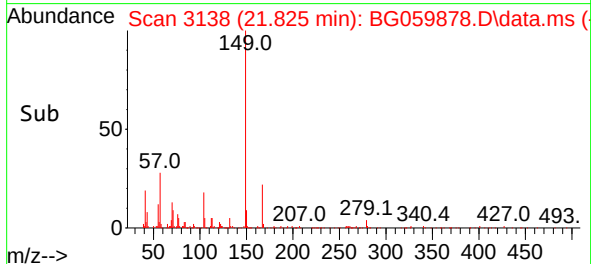
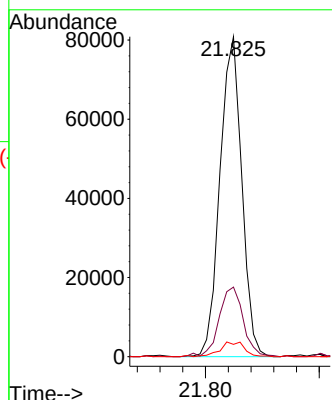
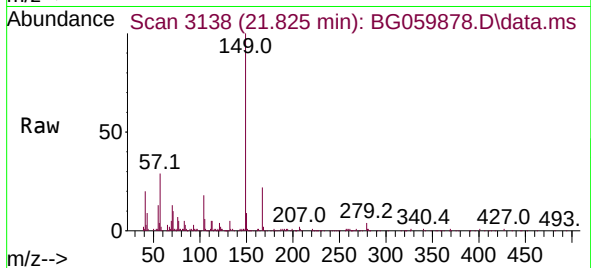




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 23.144 ng
 RT: 21.825 min Scan# 3143
 Delta R.T. -0.010 min
 Lab File: BG059878.D
 Acq: 25 Nov 2023 4:29

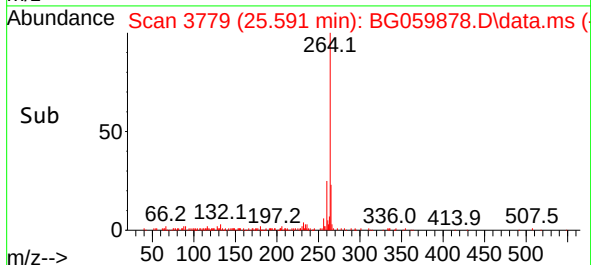
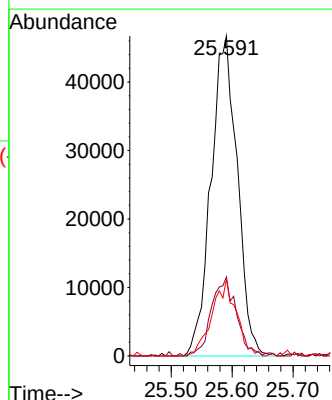
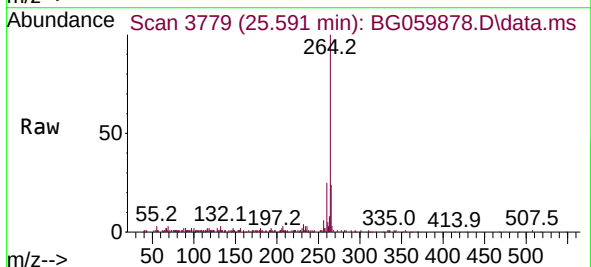
Instrument :
 BNA_G
 ClientSampleId :
 72-12018

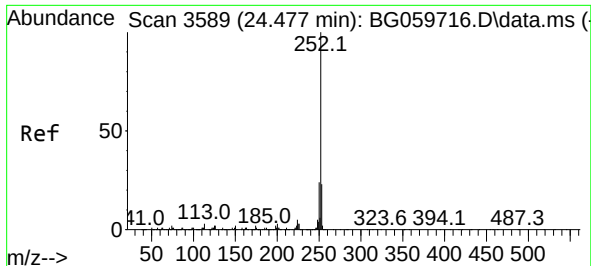
Tgt Ion:149 Resp: 107745
 Ion Ratio Lower Upper
 149 100
 167 21.8 17.6 26.4
 279 3.9 2.7 4.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.591 min Scan# 3779
 Delta R.T. -0.021 min
 Lab File: BG059878.D
 Acq: 25 Nov 2023 4:29

Tgt Ion:264 Resp: 139820
 Ion Ratio Lower Upper
 264 100
 260 24.7 18.5 27.7
 265 24.0 17.0 25.6

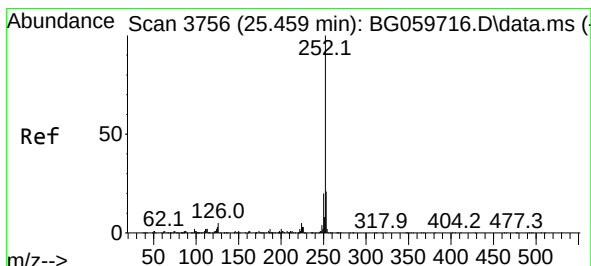
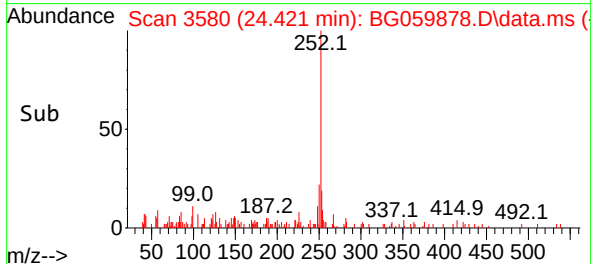
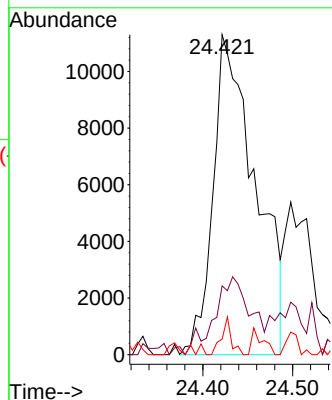
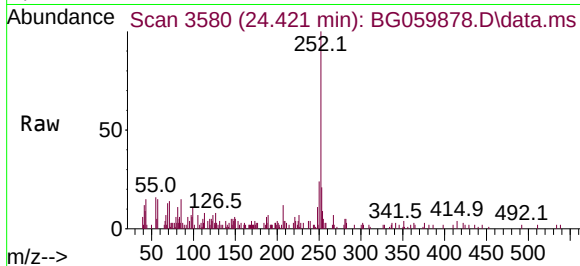




#88
Benzo(b)fluoranthene
Concen: 4.810 ng
RT: 24.421 min Scan# 31
Delta R.T. -0.027 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

Instrument :
BNA_G
ClientSampleId :
72-12018

Tgt Ion:252 Resp: 36859
Ion Ratio Lower Upper
252 100
253 21.5 18.3 27.5
125 4.8 1.4 2.0#



#90
Benzo(a)pyrene
Concen: 3.013 ng
RT: 25.403 min Scan# 3747
Delta R.T. -0.039 min
Lab File: BG059878.D
Acq: 25 Nov 2023 4:29

Tgt Ion:252 Resp: 24639
Ion Ratio Lower Upper
252 100
253 21.7 16.8 25.2
125 0.0 2.0 3.0#

