

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
 Data File : BG059821.D
 Acq On : 22 Nov 2023 17:00
 Operator : MA/JU
 Sample : PB157329BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB157329BL

Quant Time: Nov 22 18:15:47 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 17 01:51:38 2023
 Response via : Initial Calibration

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

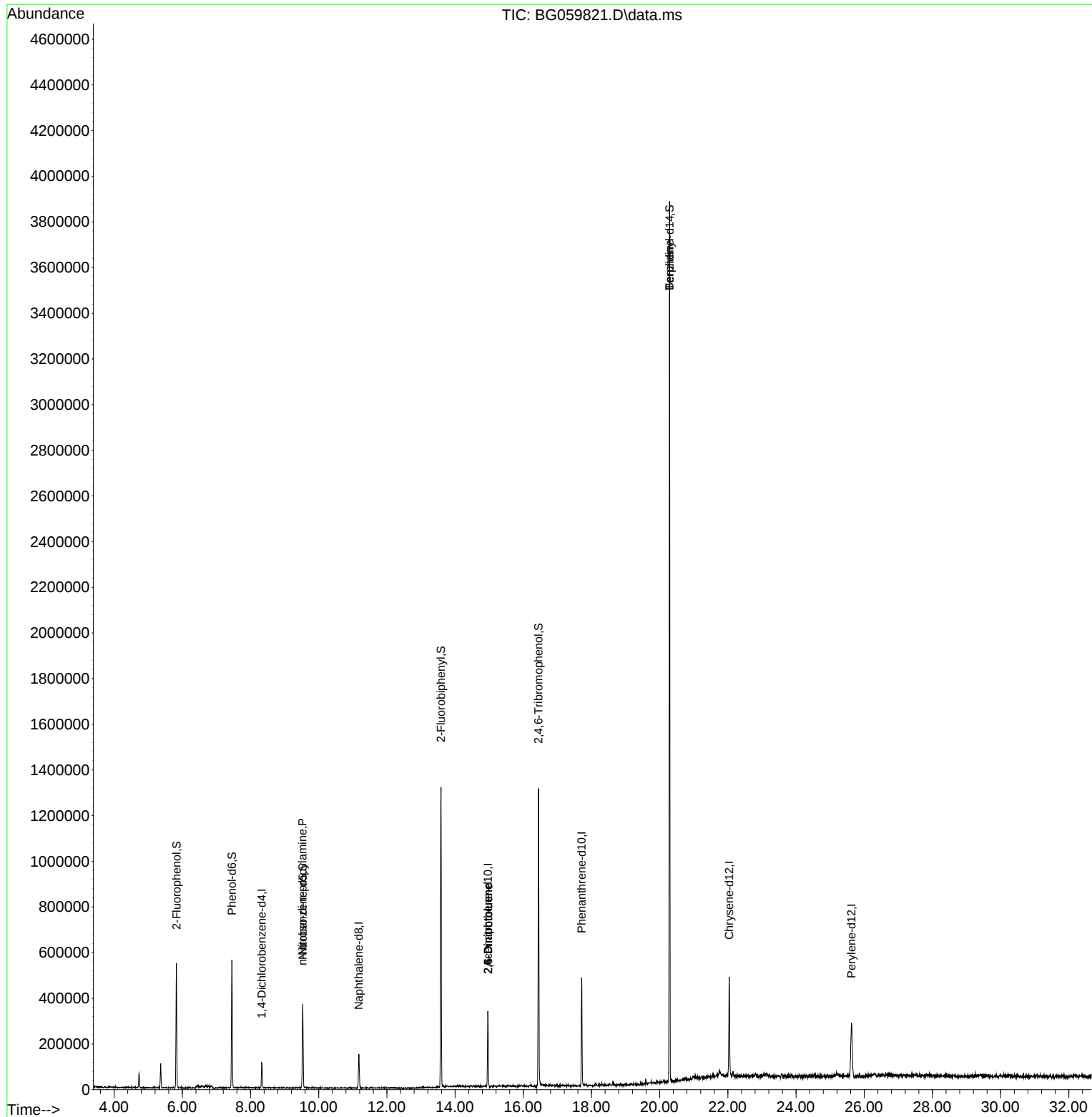
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.328	152	24137	20.000	ng	-0.01
21) Naphthalene-d8	11.178	136	103062	20.000	ng	#-0.02
39) Acenaphthene-d10	14.962	164	102639	20.000	ng	# 0.00
64) Phenanthrene-d10	17.711	188	258486	20.000	ng	0.00
76) Chrysene-d12	22.036	240	252648	20.000	ng	#-0.02
86) Perylene-d12	25.626	264	282942	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.831	112	184054	128.346	ng	0.00
7) Phenol-d6	7.453	99	251671	118.427	ng	0.00
23) Nitrobenzene-d5	9.533	82	225434	83.540	ng	0.00
42) 2,4,6-Tribromophenol	16.448	330	177332	152.273	ng	0.00
45) 2-Fluorobiphenyl	13.587	172	573723	75.240	ng	0.00
79) Terphenyl-d14	20.291	244	1522663	88.971	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.527	70	37409	22.354	ng	# 77
51) 2,6-Dinitrotoluene	14.968	165	12891	8.543	ng	# 1
57) 2,4-Dinitrotoluene	14.968	165	12891	5.555	ng	# 3
77) Benzidine	20.291	184	46095	8.046	ng	# 86

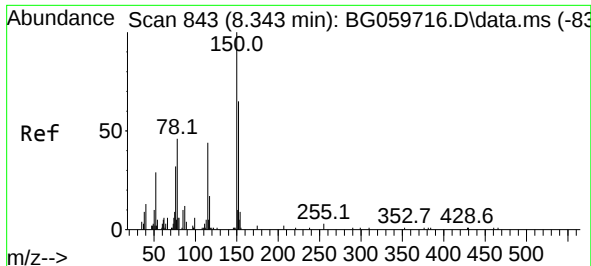
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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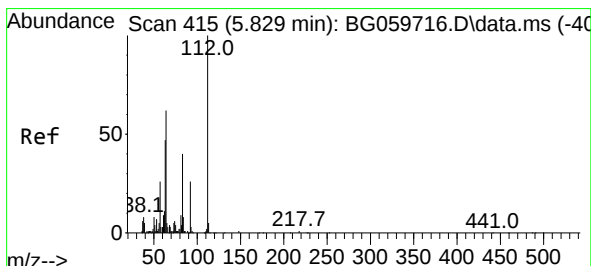
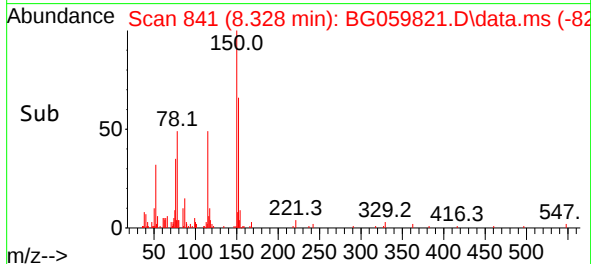
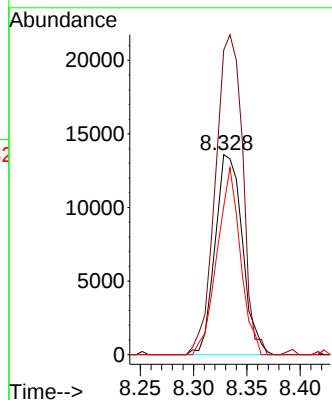
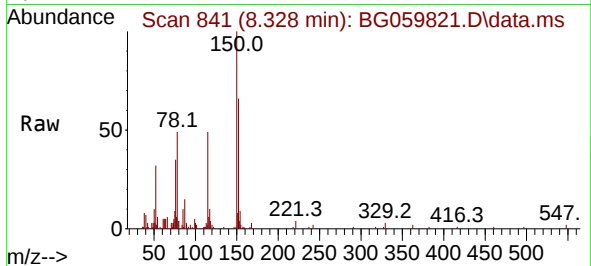




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.328 min Scan# 843
Delta R.T. -0.015 min
Lab File: BG059821.D
Acq: 22 Nov 2023 17:00

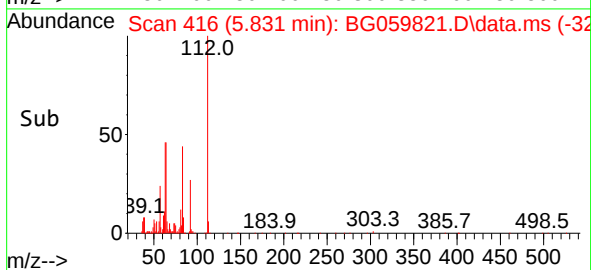
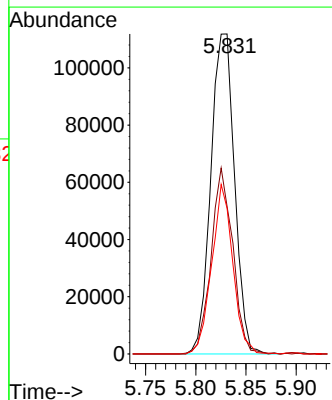
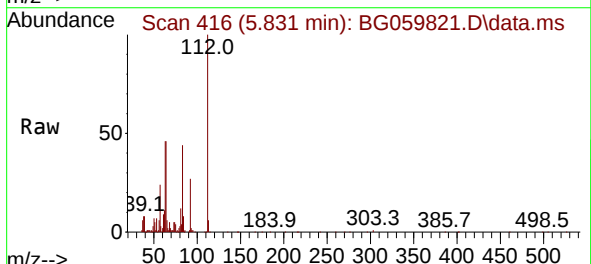
Instrument :
BNA_G
ClientSampleId :
PB157329BL

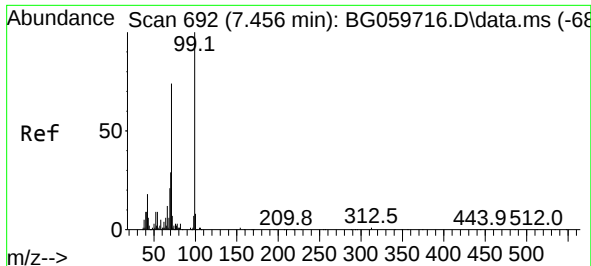
Tgt Ion:152 Resp: 24137
Ion Ratio Lower Upper
152 100
150 152.3 122.2 183.4
115 74.1 54.2 81.4



#5
2-Fluorophenol
Concen: 128.346 ng
RT: 5.831 min Scan# 416
Delta R.T. 0.003 min
Lab File: BG059821.D
Acq: 22 Nov 2023 17:00

Tgt Ion:112 Resp: 184054
Ion Ratio Lower Upper
112 100
64 46.1 49.5 74.3#
63 45.5 37.4 56.2

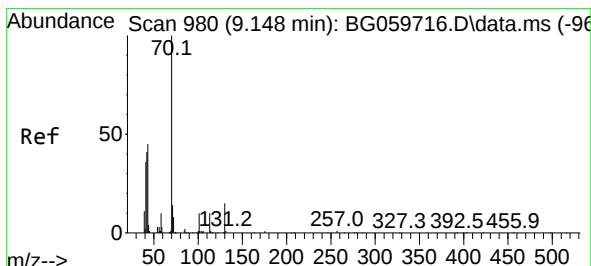
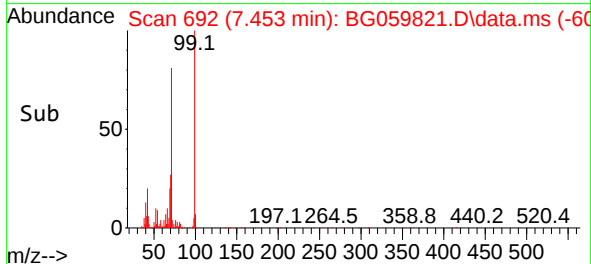
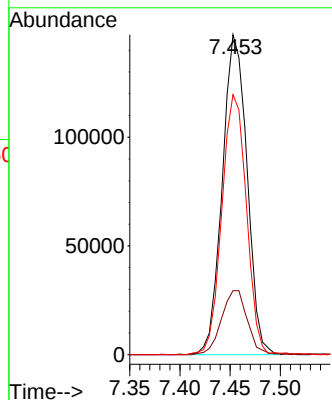
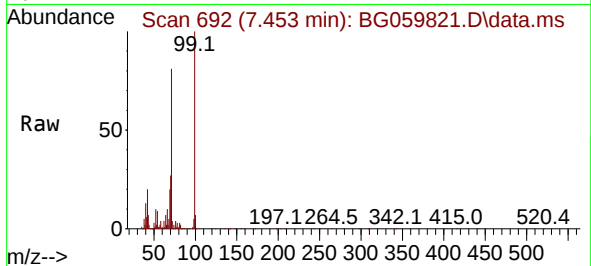




#7
Phenol-d6
Concen: 118.427 ng
RT: 7.453 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG059821.D
Acq: 22 Nov 2023 17:00

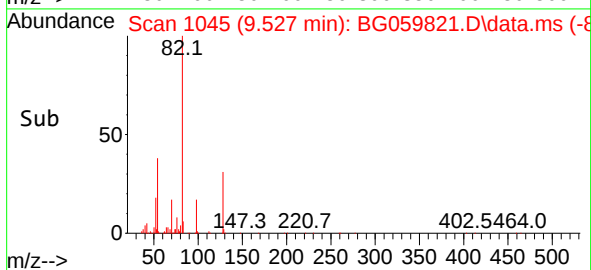
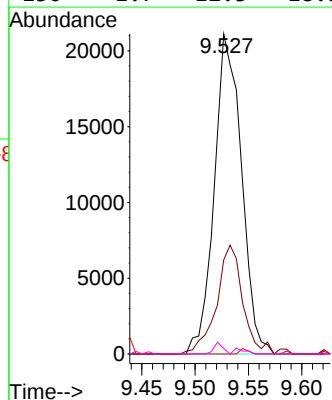
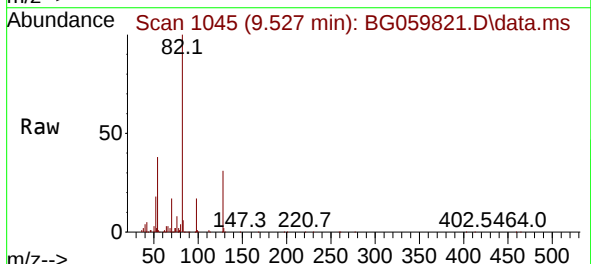
Instrument :
BNA_G
ClientSampleId :
PB157329BL

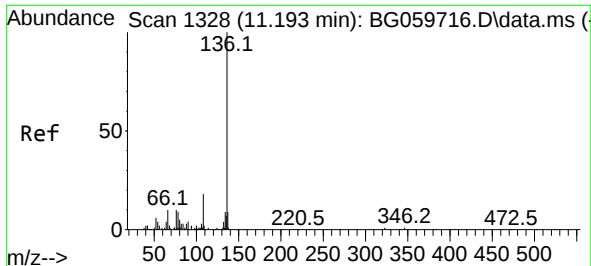
Tgt Ion: 99 Resp: 251671
Ion Ratio Lower Upper
99 100
42 20.0 14.3 21.5
71 81.3 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 22.354 ng
RT: 9.527 min Scan# 1045
Delta R.T. 0.379 min
Lab File: BG059821.D
Acq: 22 Nov 2023 17:00

Tgt Ion: 70 Resp: 37409
Ion Ratio Lower Upper
70 100
42 29.4 32.8 49.2#
101 0.0 7.7 11.5#
130 1.7 12.3 18.5#

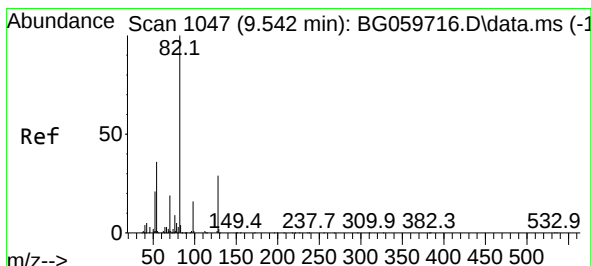
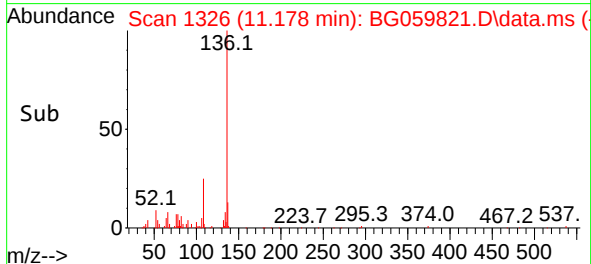
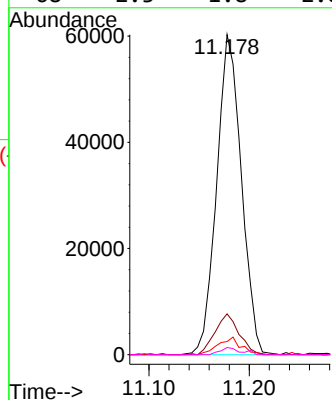
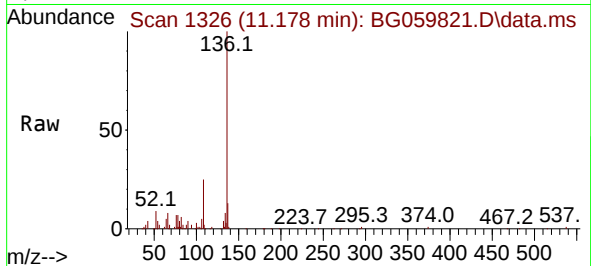




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.178 min Scan# 111
Delta R.T. -0.015 min
Lab File: BG059821.D
Acq: 22 Nov 2023 17:00

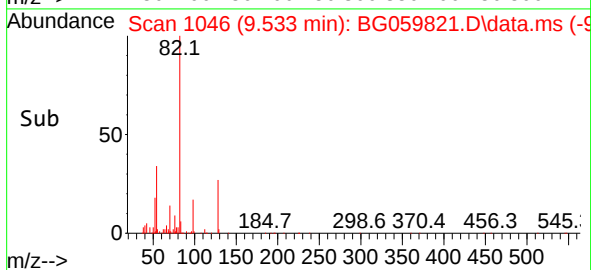
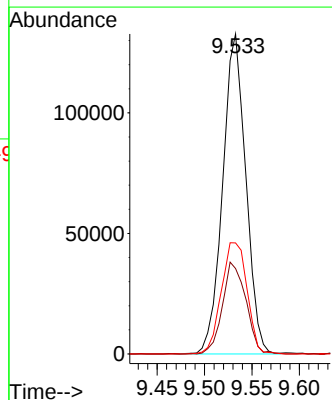
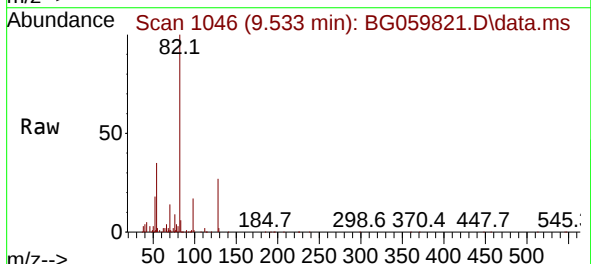
Instrument :
BNA_G
ClientSampleId :
PB157329BL

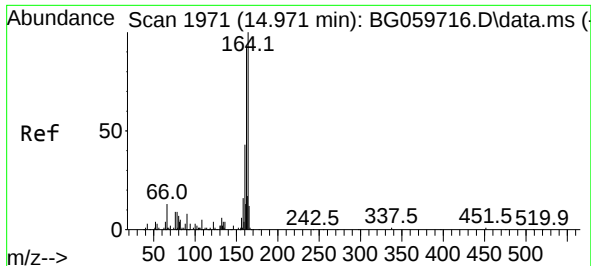
Tgt Ion:136 Resp: 103062
Ion Ratio Lower Upper
136 100
137 12.8 7.4 11.0#
54 4.1 3.1 4.7
68 2.3 1.8 2.8



#23
Nitrobenzene-d5
Concen: 83.540 ng
RT: 9.533 min Scan# 1046
Delta R.T. -0.009 min
Lab File: BG059821.D
Acq: 22 Nov 2023 17:00

Tgt Ion: 82 Resp: 225434
Ion Ratio Lower Upper
82 100
128 26.7 23.0 34.6
54 34.7 28.7 43.1

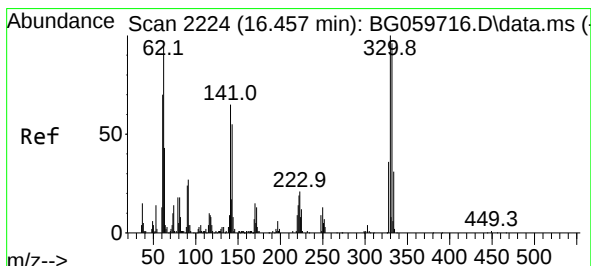
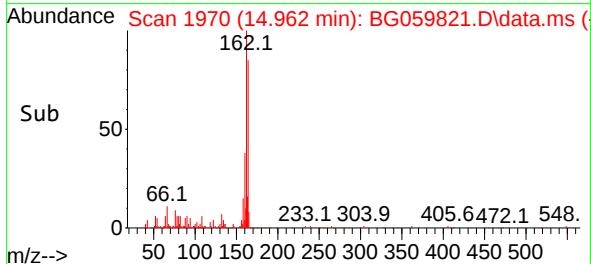
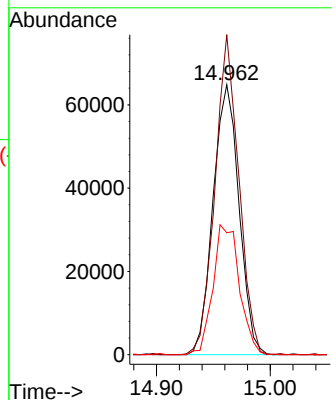
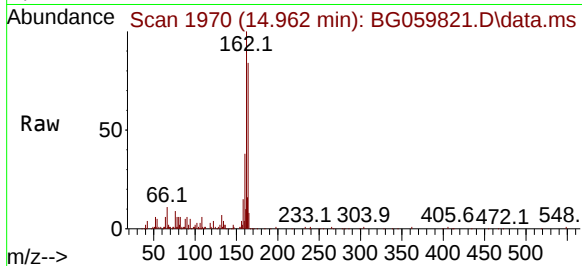




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.962 min Scan# 1971
Delta R.T. -0.009 min
Lab File: BG059821.D
Acq: 22 Nov 2023 17:00

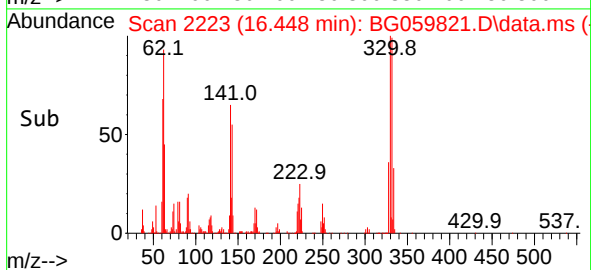
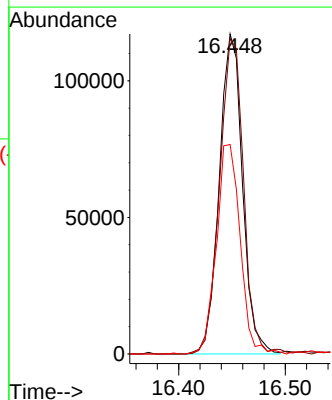
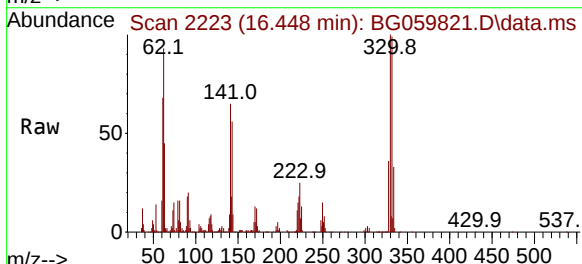
Instrument :
BNA_G
ClientSampleId :
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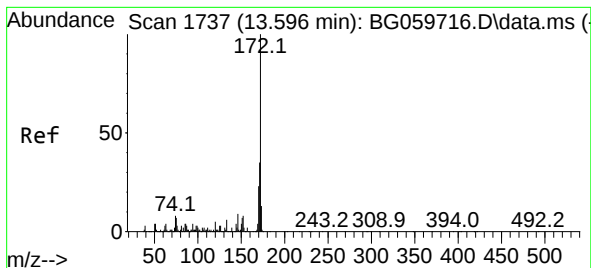
Tgt Ion:164 Resp: 102639
Ion Ratio Lower Upper
164 100
162 118.6 73.3 109.9#
160 45.2 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 152.273 ng
RT: 16.448 min Scan# 2223
Delta R.T. -0.009 min
Lab File: BG059821.D
Acq: 22 Nov 2023 17:00

Tgt Ion:330 Resp: 177332
Ion Ratio Lower Upper
330 100
332 101.4 73.3 109.9
141 66.8 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 75.240 ng

RT: 13.587 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG059821.D

Acq: 22 Nov 2023 17:00

Instrument :

BNA_G

ClientSampleId :

PB157329BL

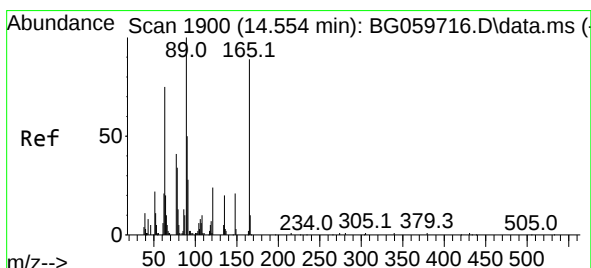
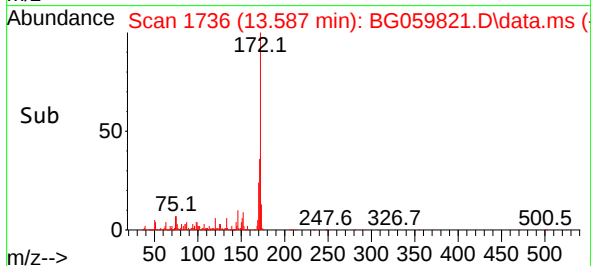
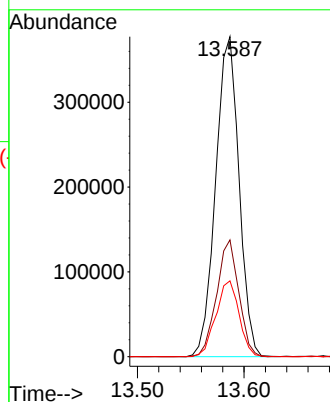
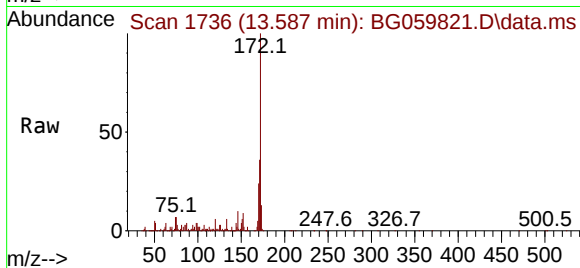
Tgt Ion:172 Resp: 573723

Ion Ratio Lower Upper

172 100

171 36.5 27.7 41.5

170 23.7 18.4 27.6



#51

2,6-Dinitrotoluene

Concen: 8.543 ng

RT: 14.968 min Scan# 1971

Delta R.T. 0.414 min

Lab File: BG059821.D

Acq: 22 Nov 2023 17:00

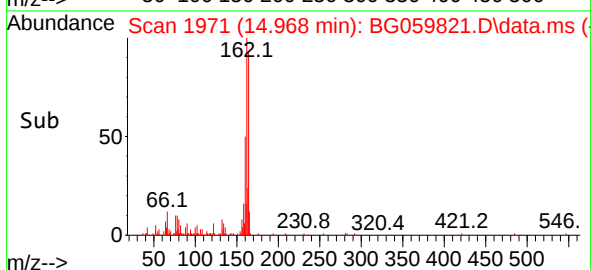
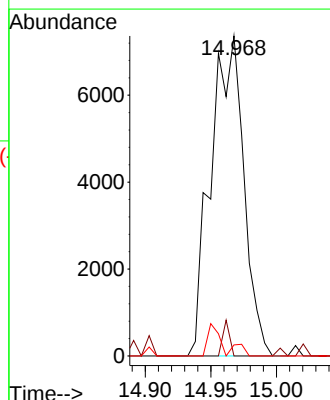
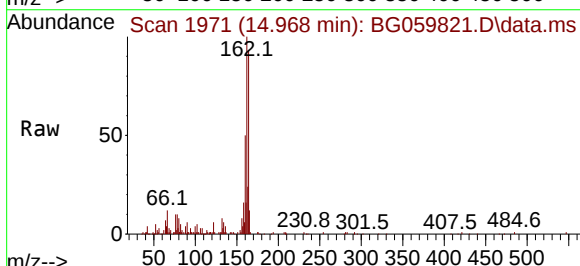
Tgt Ion:165 Resp: 12891

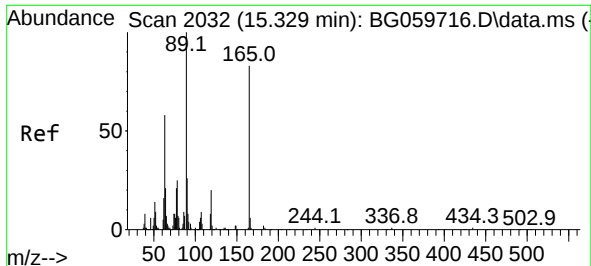
Ion Ratio Lower Upper

165 100

63 0.0 75.3 112.9#

89 3.4 90.9 136.3#

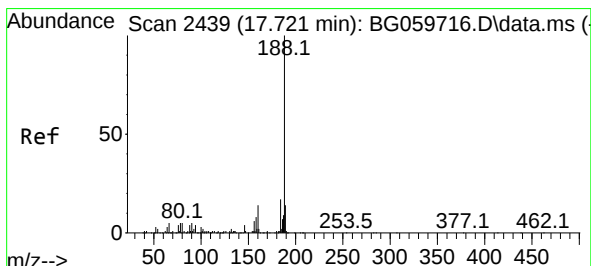
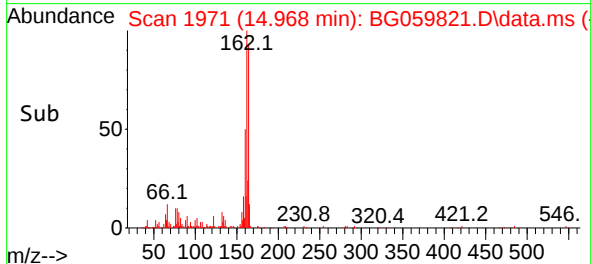
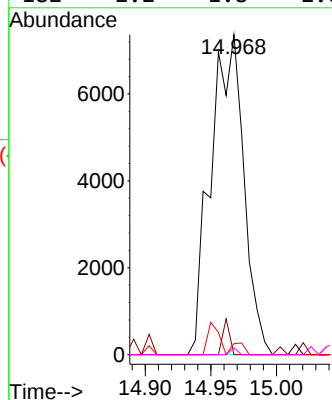
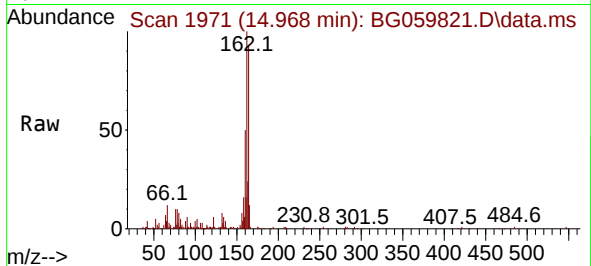




#57
2,4-Dinitrotoluene
Concen: 5.555 ng
RT: 14.968 min Scan# 1971
Delta R.T. -0.362 min
Lab File: BG059821.D
Acq: 22 Nov 2023 17:00

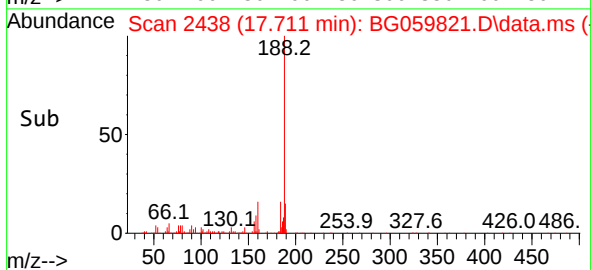
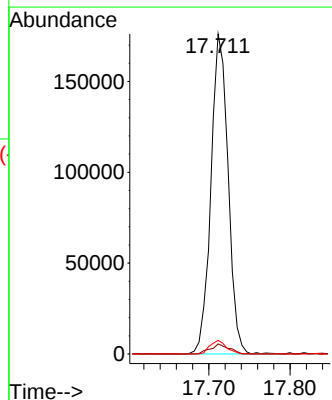
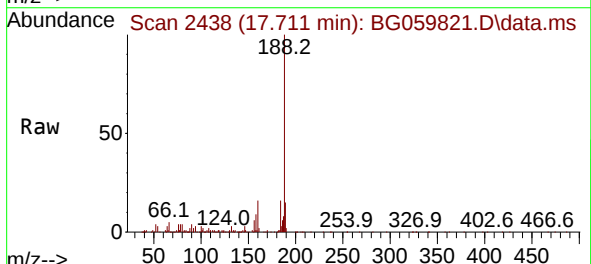
Instrument :
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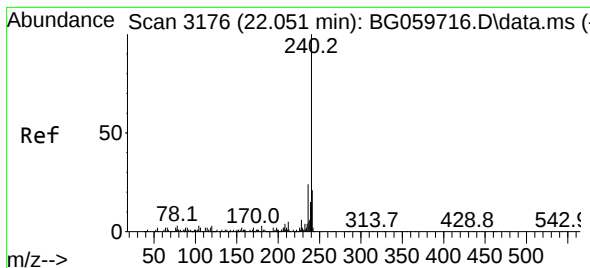
Tgt Ion:165 Resp: 12891
Ion Ratio Lower Upper
165 100
63 0.0 55.8 83.8#
89 3.4 96.9 145.3#
182 2.2 1.8 2.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.711 min Scan# 2438
Delta R.T. -0.009 min
Lab File: BG059821.D
Acq: 22 Nov 2023 17:00

Tgt Ion:188 Resp: 258486
Ion Ratio Lower Upper
188 100
94 3.1 3.0 4.4
80 4.3 4.2 6.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.036 min Scan# 31

Delta R.T. -0.015 min

Lab File: BG059821.D

Acq: 22 Nov 2023 17:00

Instrument :

BNA_G

ClientSampleId :

PB157329BL

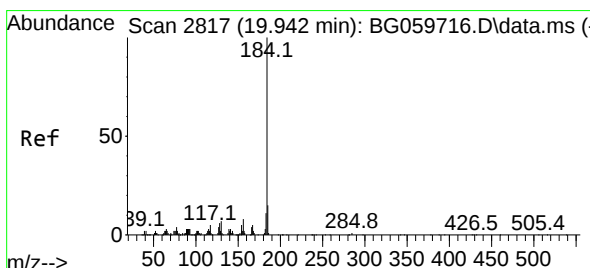
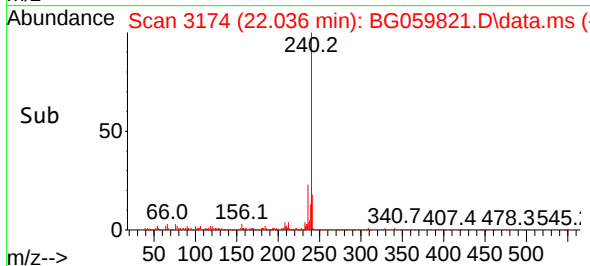
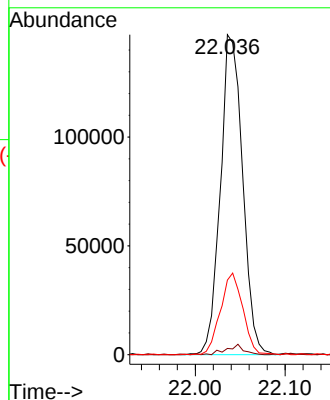
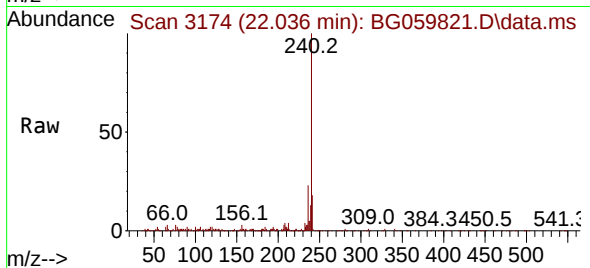
Tgt Ion:240 Resp: 252648

Ion Ratio Lower Upper

240 100

120 1.9 2.2 3.2#

236 23.3 19.4 29.2



#77

Benzidine

Concen: 8.046 ng

RT: 20.291 min Scan# 2877

Delta R.T. 0.349 min

Lab File: BG059821.D

Acq: 22 Nov 2023 17:00

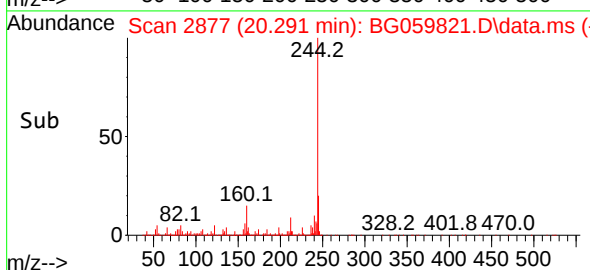
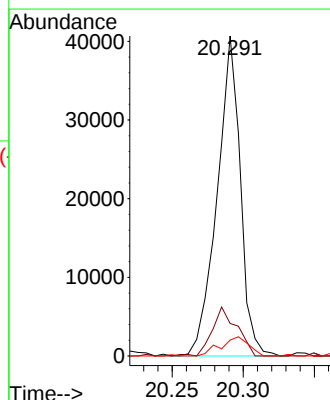
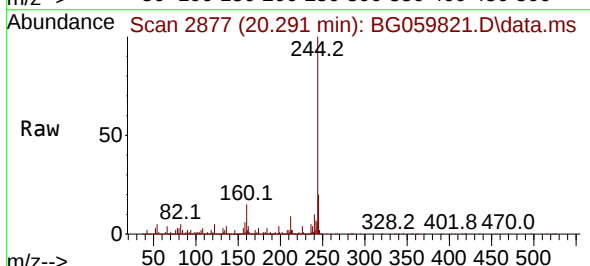
Tgt Ion:184 Resp: 46095

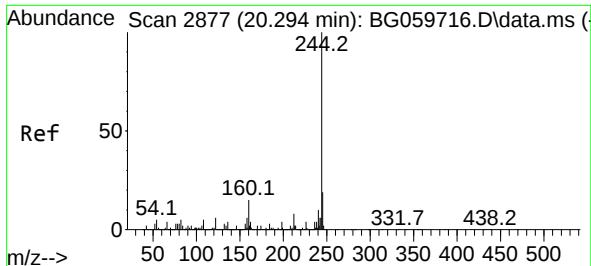
Ion Ratio Lower Upper

184 100

185 10.1 12.2 18.2#

183 4.9 8.8 13.2#

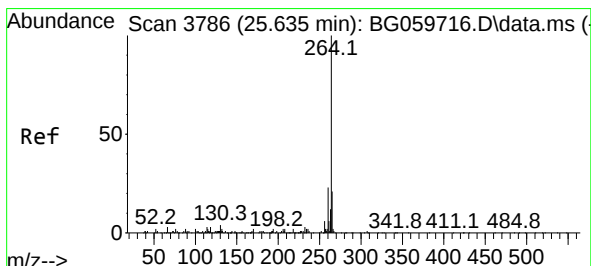
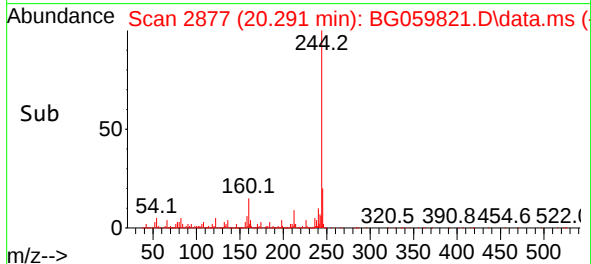
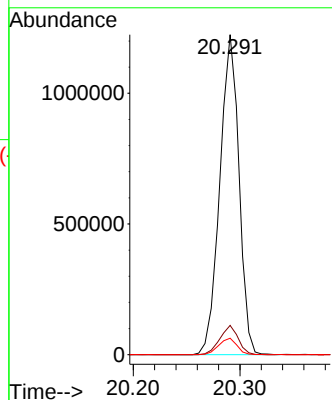
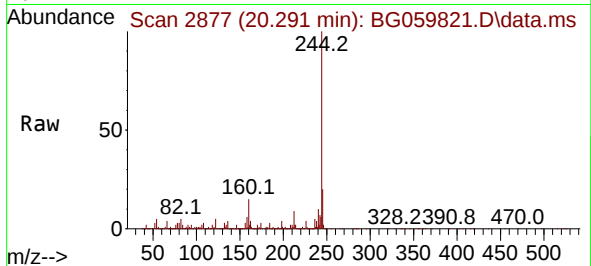




#79
 Terphenyl-d14
 Concen: 88.971 ng
 RT: 20.291 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG059821.D
 Acq: 22 Nov 2023 17:00

Instrument :
 BNA_G
 ClientSampleId :
 PB157329BL

Tgt Ion:244 Resp: 1522663
 Ion Ratio Lower Upper
 244 100
 212 9.1 6.6 10.0
 122 5.1 4.4 6.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.626 min Scan# 3785
 Delta R.T. -0.009 min
 Lab File: BG059821.D
 Acq: 22 Nov 2023 17:00

Tgt Ion:264 Resp: 282942
 Ion Ratio Lower Upper
 264 100
 260 27.1 18.5 27.7
 265 21.7 17.0 25.6

