

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041024\
 Data File : BG060847.D
 Acq On : 10 Apr 2024 10:18
 Operator : MA/JU
 Sample : PB160005BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB160005BL

Quant Time: Apr 10 11:04:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 03:12:26 2024
 Response via : Initial Calibration

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

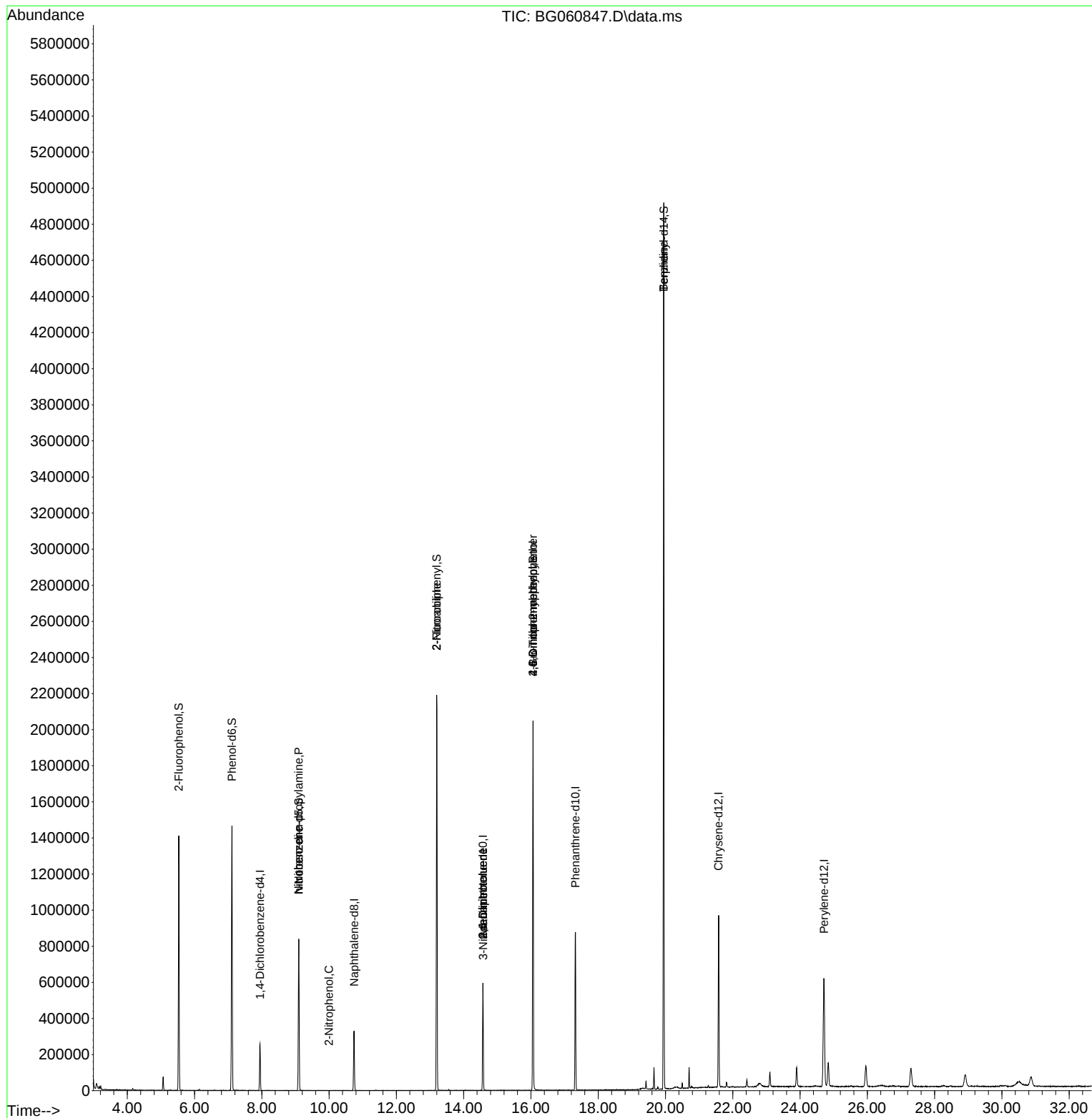
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.947	152	69335	20.000	ng	-0.01
21) Naphthalene-d8	10.744	136	260459	20.000	ng	-0.01
39) Acenaphthene-d10	14.574	164	201021	20.000	ng	-0.01
64) Phenanthrene-d10	17.324	188	571063	20.000	ng	-0.01
76) Chrysene-d12	21.578	240	582400	20.000	ng	-0.03
86) Perylene-d12	24.710	264	670741	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.532	112	512145	123.051	ng	0.00
7) Phenol-d6	7.113	99	726456	117.586	ng	0.00
23) Nitrobenzene-d5	9.098	82	452464	99.126	ng	-0.01
42) 2,4,6-Tribromophenol	16.061	330	402984	176.599	ng	-0.01
45) 2-Fluorobiphenyl	13.200	172	1160777	84.747	ng	-0.02
79) Terphenyl-d14	19.950	244	2503274	75.684	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.098	70	60645	12.872	ng	# 75
24) Nitrobenzene	9.098	77	1465	3.044	ng	# 37
26) 2-Nitrophenol	9.992	139	62	2.998	ng	# 31
48) 2-Nitroaniline	13.200	65	2320	3.491	ng	# 1
51) 2,6-Dinitrotoluene	14.574	165	27019	12.300	ng	# 17
53) 3-Nitroaniline	14.580	138	65	2.871	ng	# 1
57) 2,4-Dinitrotoluene	14.574	165	27019	10.339	ng	# 18
65) 4,6-Dinitro-2-methylph...	16.061	198	1290	7.501	ng	# 1
67) 4-Bromophenyl-phenylether	16.061	248	27340	4.717	ng	# 1
77) Benzidine	19.945	184	41461	2.704	ng	# 92

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

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Misc :
ALS Vial : 3 Sample Multiplier: 1

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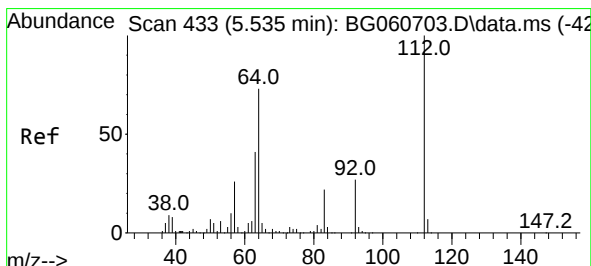
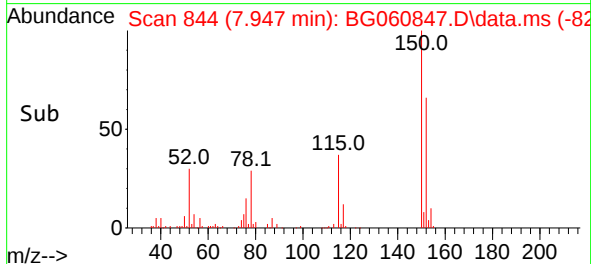
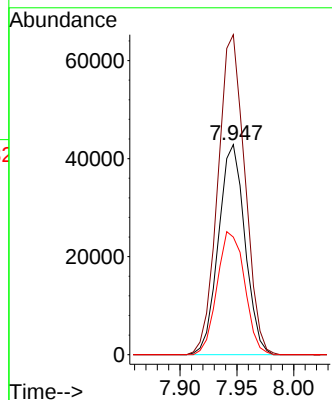
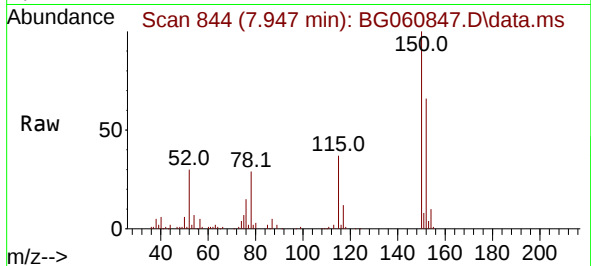




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.947 min Scan# 846
Delta R.T. -0.014 min
Lab File: BG060847.D
Acq: 10 Apr 2024 10:18

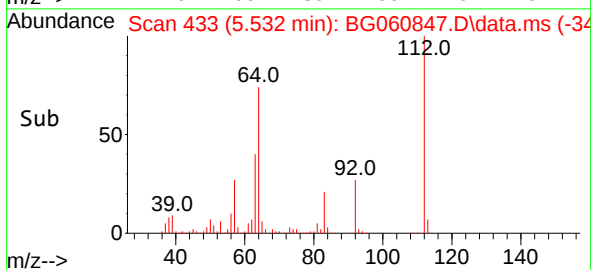
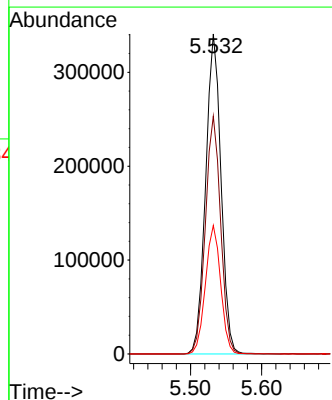
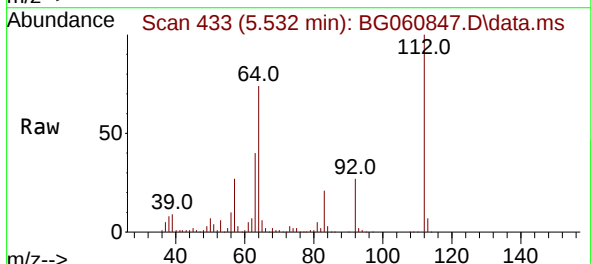
Instrument :
BNA_G
ClientSampleId :
PB160005BL

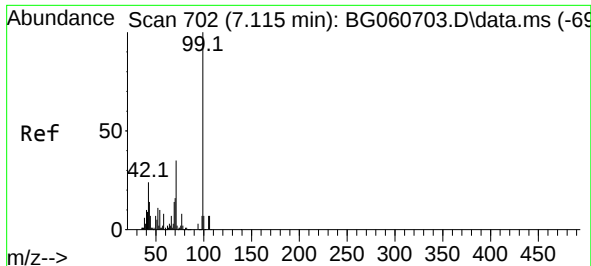
Tgt Ion:152 Resp: 69335
Ion Ratio Lower Upper
152 100
150 152.3 130.2 195.4
115 56.0 51.6 77.4



#5
2-Fluorophenol
Concen: 123.051 ng
RT: 5.532 min Scan# 433
Delta R.T. -0.003 min
Lab File: BG060847.D
Acq: 10 Apr 2024 10:18

Tgt Ion:112 Resp: 512145
Ion Ratio Lower Upper
112 100
64 74.3 58.4 87.6
63 40.1 32.7 49.1

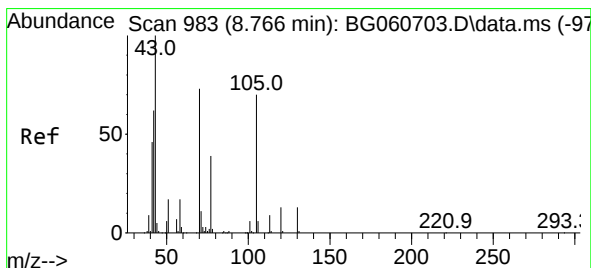
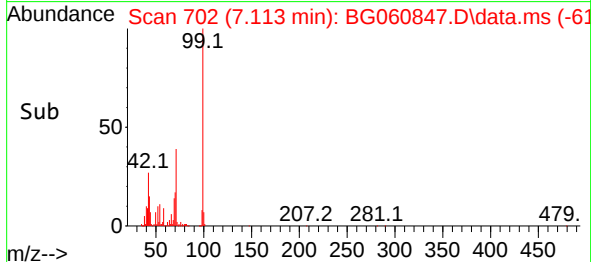
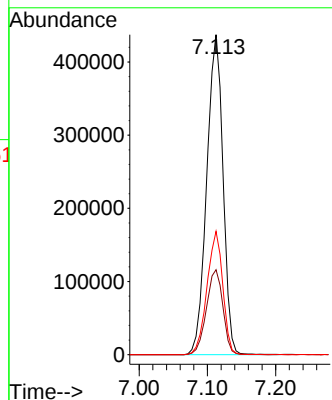
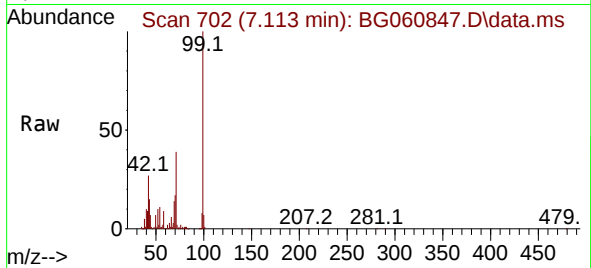




#7
Phenol-d6
Concen: 117.586 ng
RT: 7.113 min Scan# 70
Delta R.T. -0.003 min
Lab File: BG060847.D
Acq: 10 Apr 2024 10:18

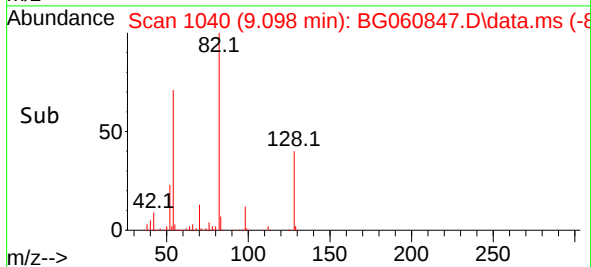
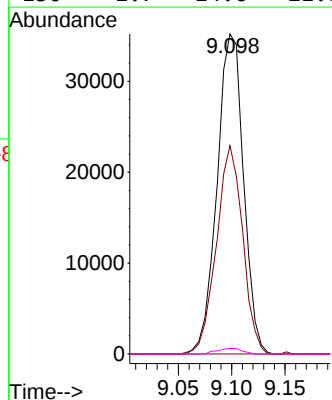
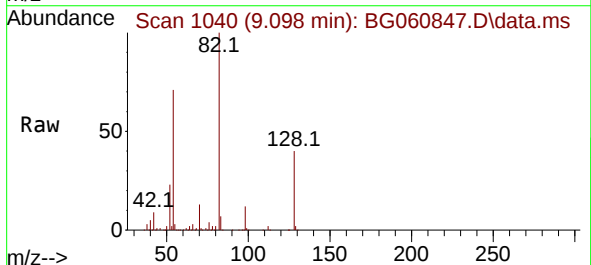
Instrument :
BNA_G
ClientSampleId :
PB160005BL

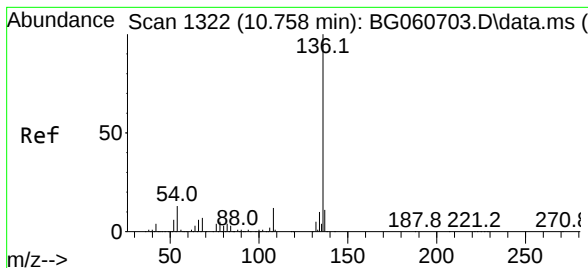
Tgt Ion: 99 Resp: 726456
Ion Ratio Lower Upper
99 100
42 26.5 19.4 29.2
71 38.5 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.872 ng
RT: 9.098 min Scan# 1040
Delta R.T. 0.332 min
Lab File: BG060847.D
Acq: 10 Apr 2024 10:18

Tgt Ion: 70 Resp: 60645
Ion Ratio Lower Upper
70 100
42 65.1 68.4 102.6#
101 0.0 6.1 9.1#
130 1.7 14.6 21.8#

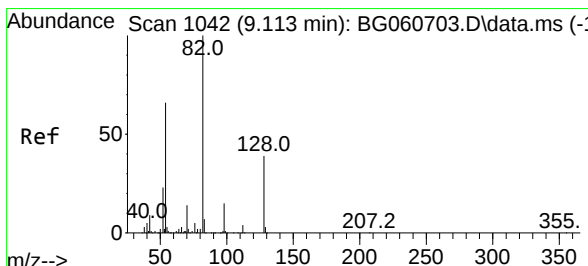
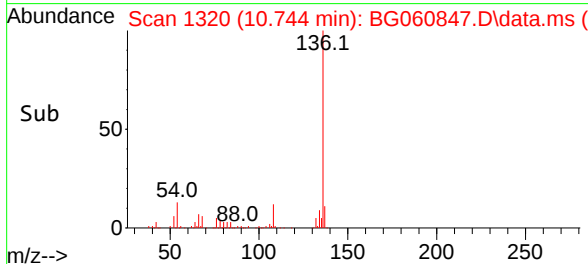
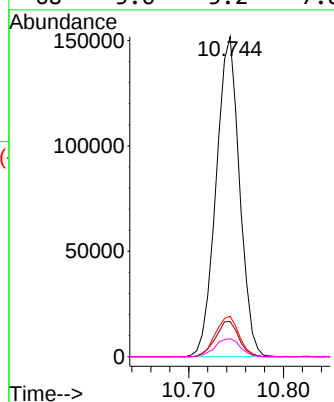
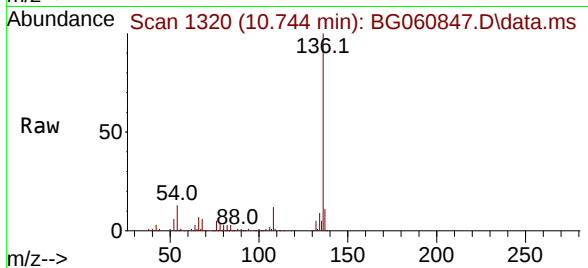




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.744 min Scan# 11
Delta R.T. -0.014 min
Lab File: BG060847.D
Acq: 10 Apr 2024 10:18

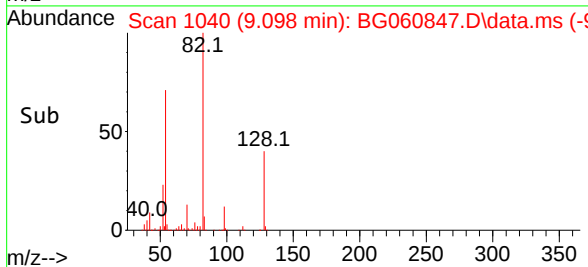
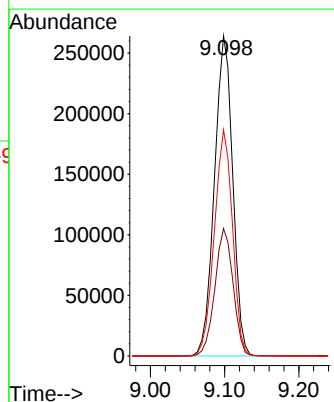
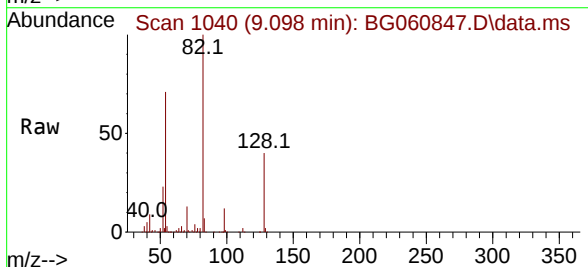
Instrument :
BNA_G
ClientSampleId :
PB160005BL

Tgt Ion:136	Resp: 260459
Ion Ratio	Lower Upper
136 100	
137 11.0	8.8 13.2
54 12.6	10.2 15.2
68 5.6	5.2 7.8



#23
Nitrobenzene-d5
Concen: 99.126 ng
RT: 9.098 min Scan# 1040
Delta R.T. -0.015 min
Lab File: BG060847.D
Acq: 10 Apr 2024 10:18

Tgt Ion: 82	Resp: 452464
Ion Ratio	Lower Upper
82 100	
128 39.8	31.2 46.8
54 70.6	53.2 79.8

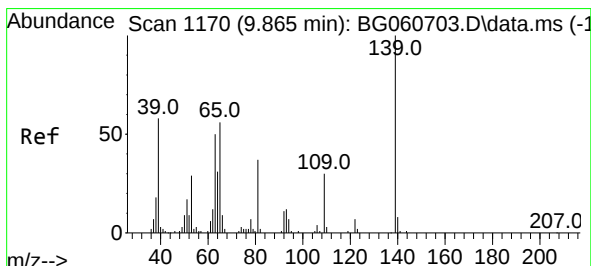
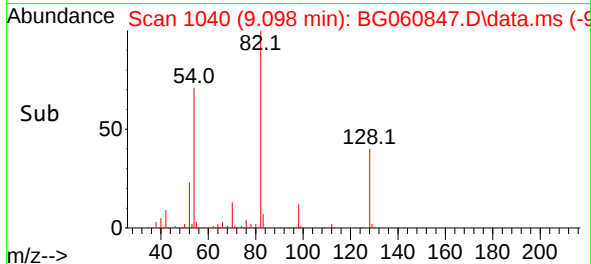
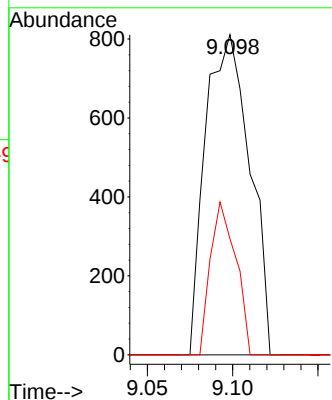
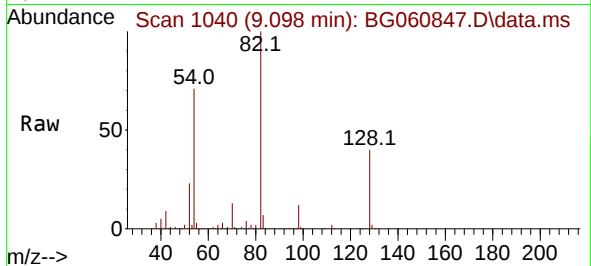




#24
Nitrobenzene
Concen: 3.044 ng
RT: 9.098 min Scan# 1109
Delta R.T. -0.056 min
Lab File: BG060847.D
Acq: 10 Apr 2024 10:18

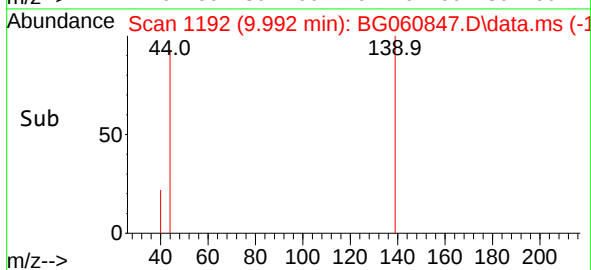
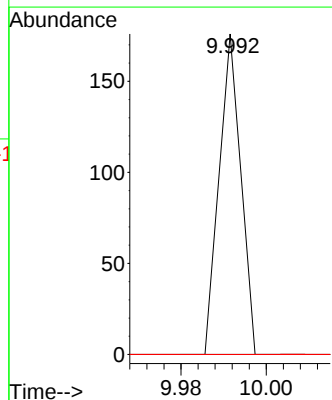
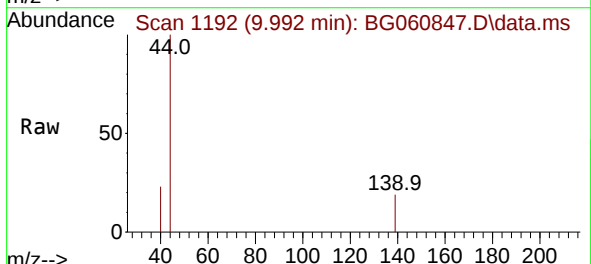
Instrument :
BNA_G
ClientSampleId :
PB160005BL

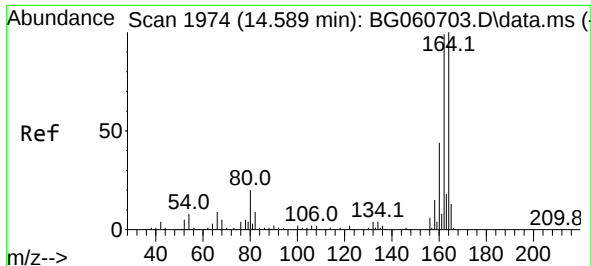
Tgt Ion: 77 Resp: 1465
Ion Ratio Lower Upper
77 100
123 0.0 32.7 49.1#
65 36.3 11.3 16.9#



#26
2-Nitrophenol
Concen: 2.998 ng
RT: 9.992 min Scan# 1192
Delta R.T. 0.127 min
Lab File: BG060847.D
Acq: 10 Apr 2024 10:18

Tgt Ion: 139 Resp: 62
Ion Ratio Lower Upper
139 100
109 0.0 23.9 35.9#
65 0.0 44.5 66.7#

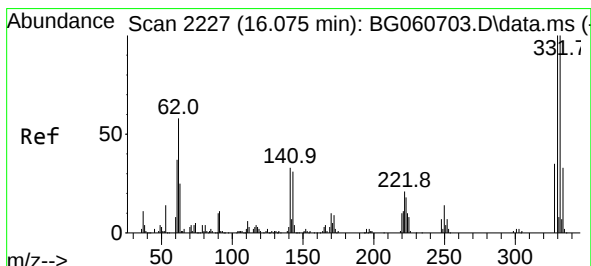
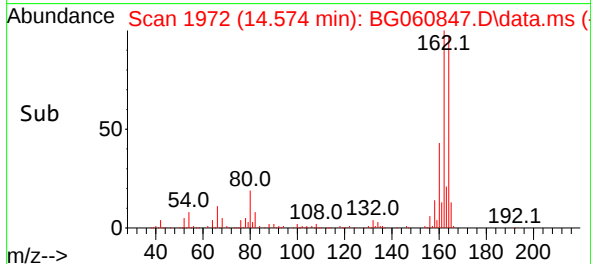
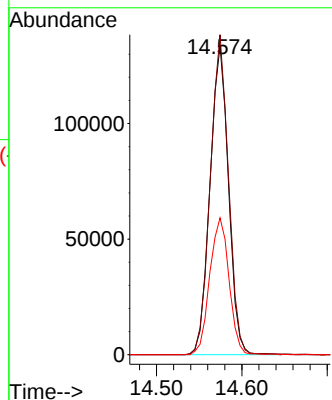
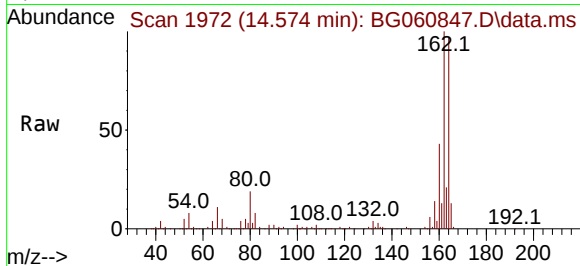




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.574 min Scan# 1974
Delta R.T. -0.015 min
Lab File: BG060847.D
Acq: 10 Apr 2024 10:18

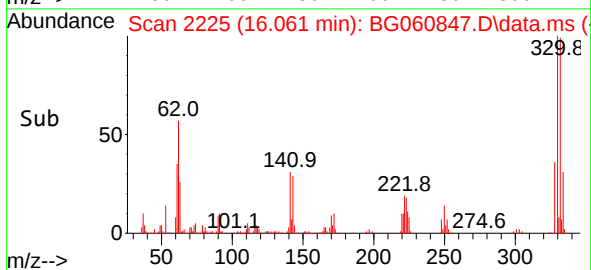
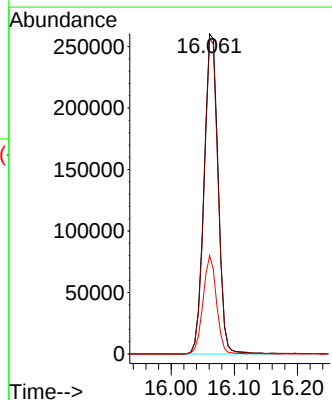
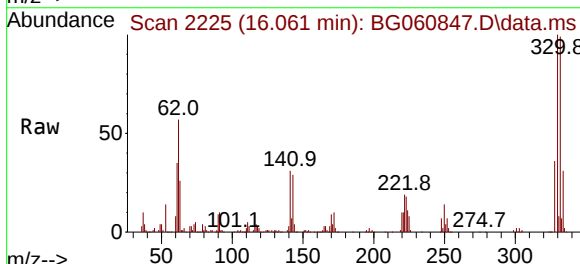
Instrument :
BNA_G
ClientSampleId :
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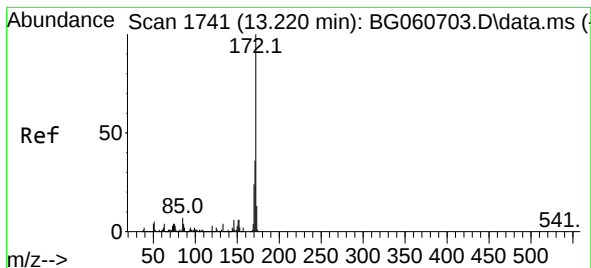
Tgt Ion:164 Resp: 201021
Ion Ratio Lower Upper
164 100
162 103.5 79.5 119.3
160 44.3 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 176.599 ng
RT: 16.061 min Scan# 2225
Delta R.T. -0.015 min
Lab File: BG060847.D
Acq: 10 Apr 2024 10:18

Tgt Ion:330 Resp: 402984
Ion Ratio Lower Upper
330 100
332 97.5 78.2 117.4
141 29.2 27.0 40.6





#45

2-Fluorobiphenyl

Concen: 84.747 ng

RT: 13.200 min Scan# 1

Delta R.T. -0.020 min

Lab File: BG060847.D

Acq: 10 Apr 2024 10:18

Instrument :

BNA_G

ClientSampleId :

PB160005BL

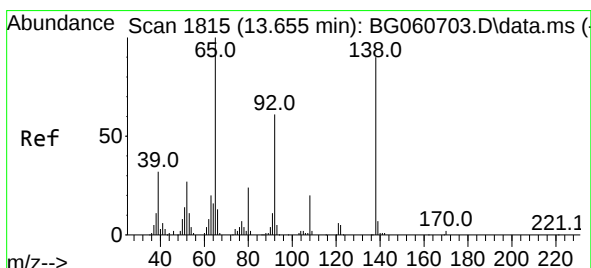
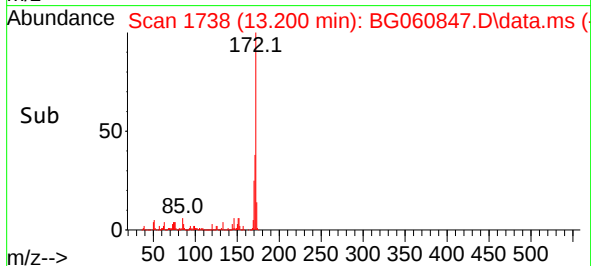
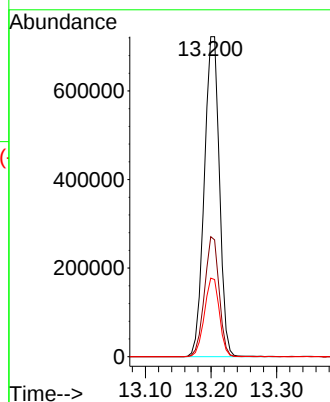
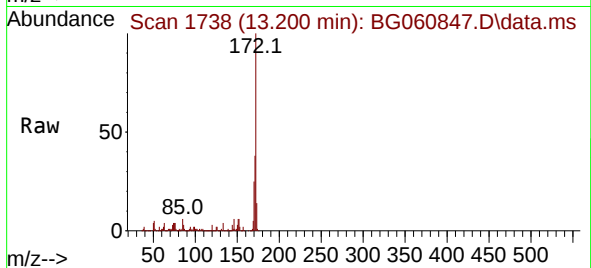
Tgt Ion:172 Resp: 1160777

Ion Ratio Lower Upper

172 100

171 37.5 28.7 43.1

170 24.5 19.4 29.0



#48

2-Nitroaniline

Concen: 3.491 ng

RT: 13.200 min Scan# 1738

Delta R.T. -0.455 min

Lab File: BG060847.D

Acq: 10 Apr 2024 10:18

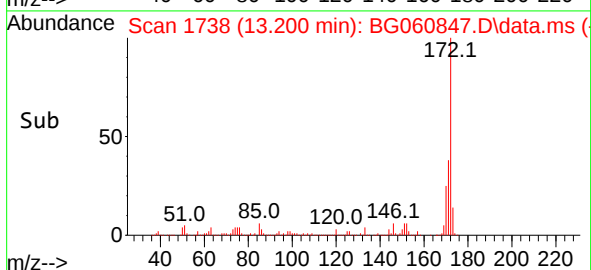
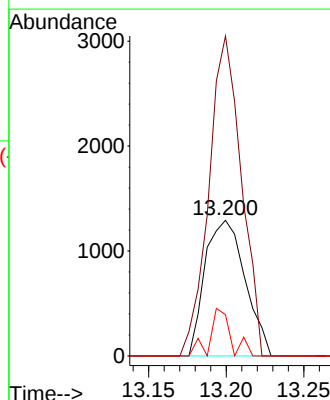
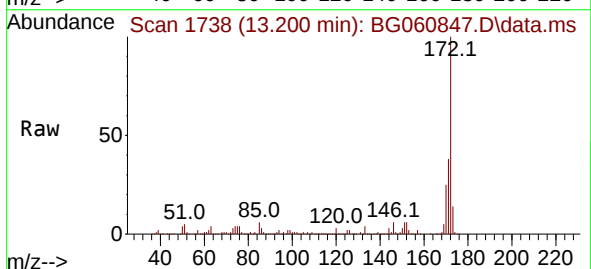
Tgt Ion: 65 Resp: 2320

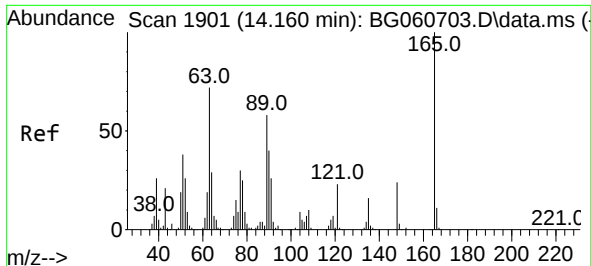
Ion Ratio Lower Upper

65 100

92 235.9 48.6 72.8#

138 30.4 72.2 108.4#

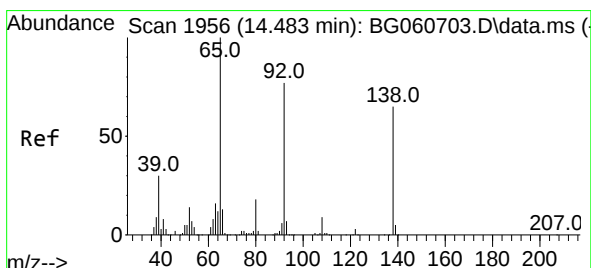
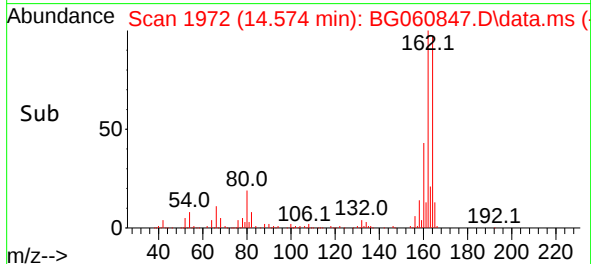
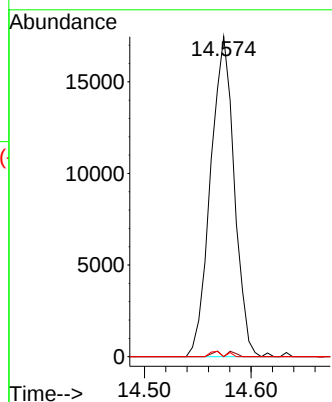
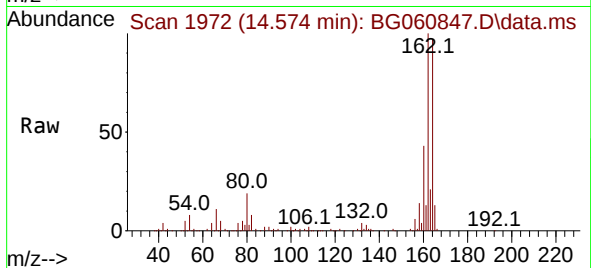




#51
2,6-Dinitrotoluene
Concen: 12.300 ng
RT: 14.574 min Scan# 1901
Delta R.T. 0.414 min
Lab File: BG060847.D
Acq: 10 Apr 2024 10:18

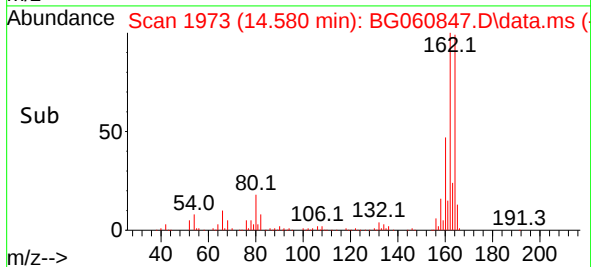
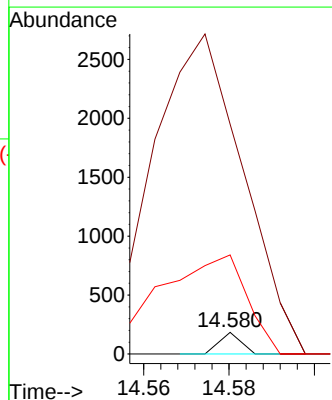
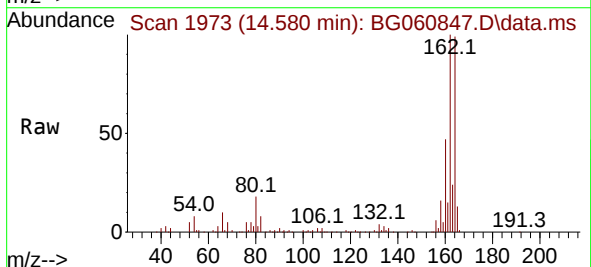
Instrument :
BNA_G
ClientSampleId :
PB160005BL

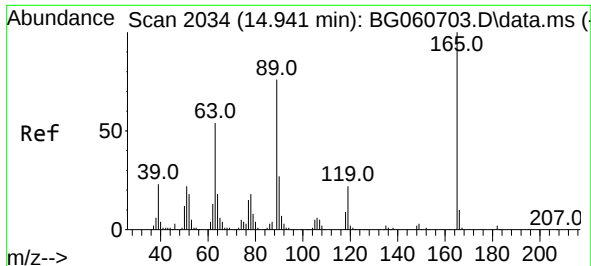
Tgt Ion:165 Resp: 27019
Ion Ratio Lower Upper
165 100
63 0.0 58.2 87.4#
89 0.0 46.1 69.1#



#53
3-Nitroaniline
Concen: 2.871 ng
RT: 14.580 min Scan# 1973
Delta R.T. 0.097 min
Lab File: BG060847.D
Acq: 10 Apr 2024 10:18

Tgt Ion:138 Resp: 65
Ion Ratio Lower Upper
138 100
108 1059.8 11.3 16.9#
92 457.1 94.1 141.1#





#57

2,4-Dinitrotoluene

Concen: 10.339 ng

RT: 14.574 min Scan# 1972

Delta R.T. -0.367 min

Lab File: BG060847.D

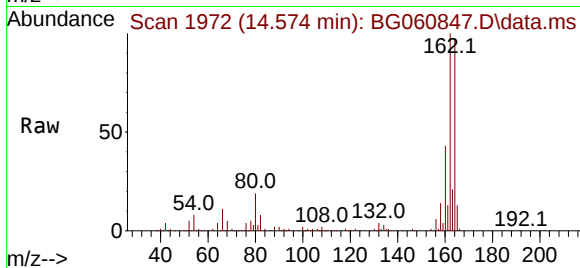
Acq: 10 Apr 2024 10:18

Instrument :

BNA_G

ClientSampleId :

PB160005BL



Tgt Ion:165 Resp: 27019

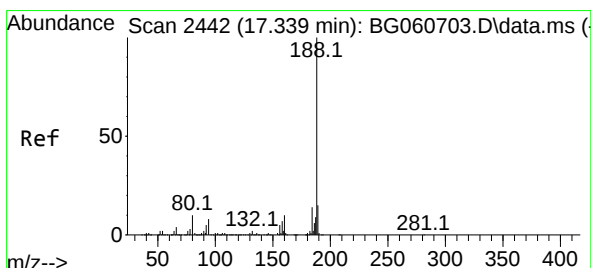
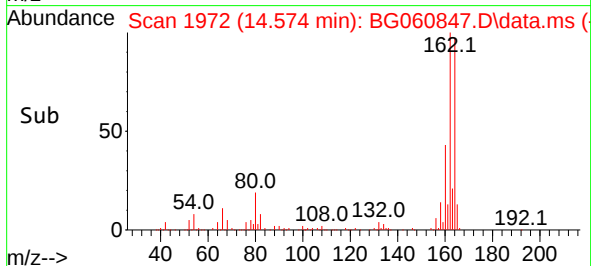
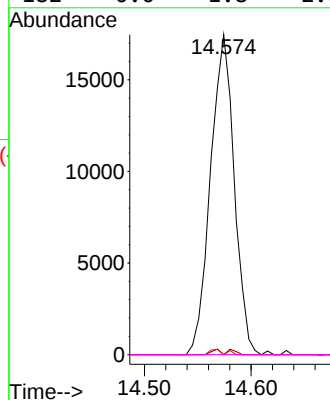
Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.0#

89 0.0 61.0 91.6#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.324 min Scan# 2440

Delta R.T. -0.015 min

Lab File: BG060847.D

Acq: 10 Apr 2024 10:18

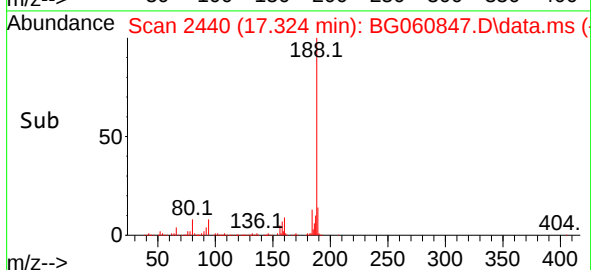
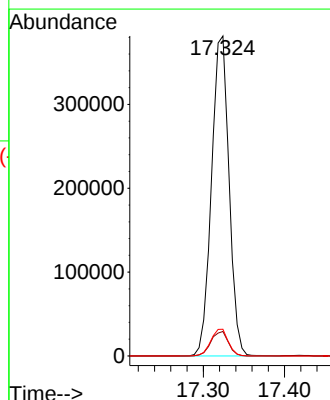
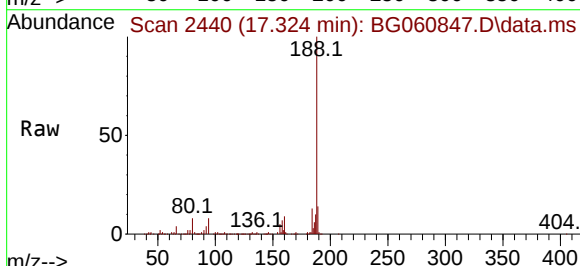
Tgt Ion:188 Resp: 571063

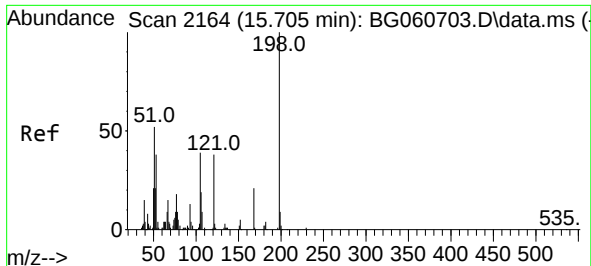
Ion Ratio Lower Upper

188 100

94 7.6 6.6 9.8

80 8.3 7.6 11.4

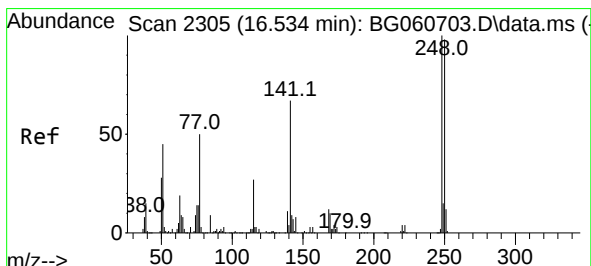
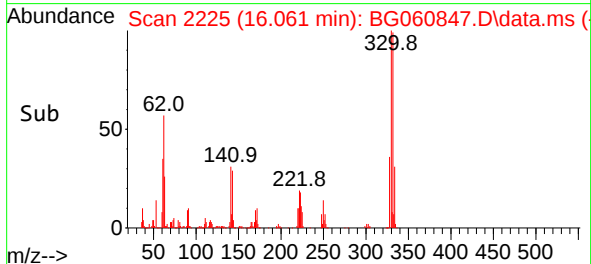
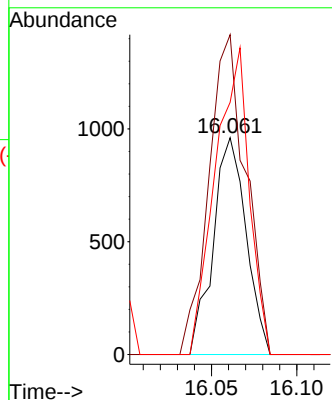
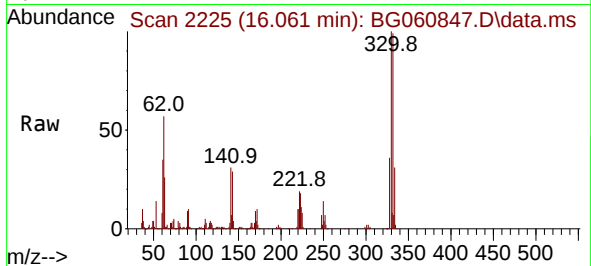




#65
4,6-Dinitro-2-methylphenol
Concen: 7.501 ng
RT: 16.061 min Scan# 2164
Delta R.T. 0.356 min
Lab File: BG060847.D
Acq: 10 Apr 2024 10:18

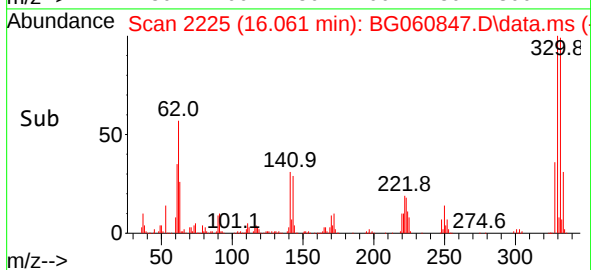
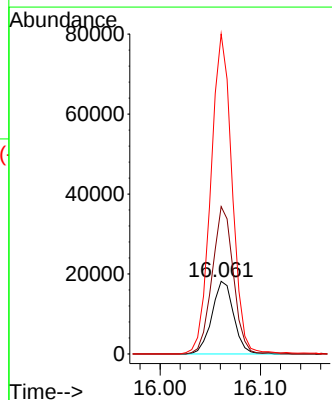
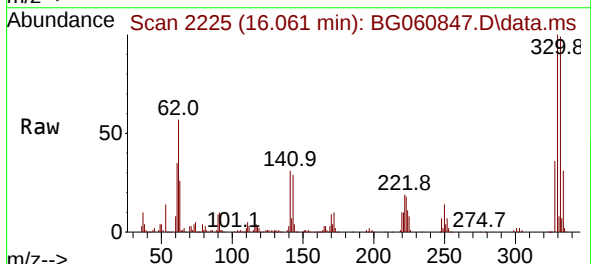
Instrument :
BNA_G
ClientSampleId :
PB160005BL

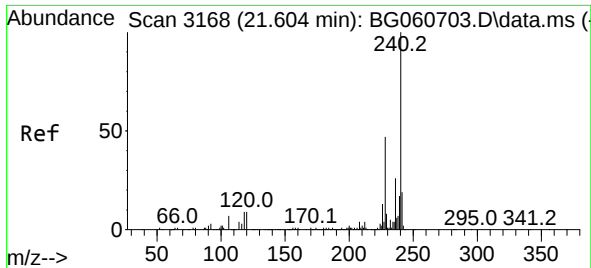
Tgt Ion:198 Resp: 1290
Ion Ratio Lower Upper
198 100
51 147.6 36.7 76.7#
105 116.3 19.1 59.1#



#67
4-Bromophenyl-phenylether
Concen: 4.717 ng
RT: 16.061 min Scan# 2225
Delta R.T. -0.473 min
Lab File: BG060847.D
Acq: 10 Apr 2024 10:18

Tgt Ion:248 Resp: 27340
Ion Ratio Lower Upper
248 100
250 203.0 78.3 117.5#
141 440.7 53.7 80.5#

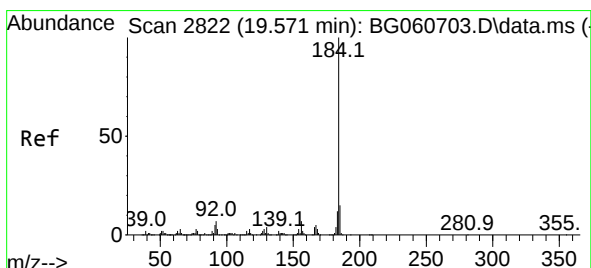
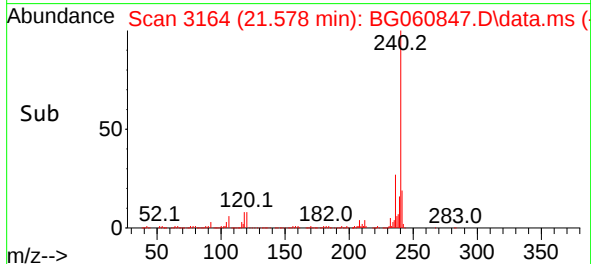
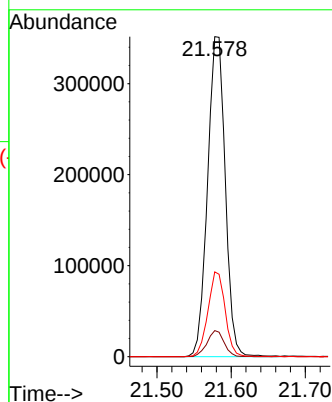
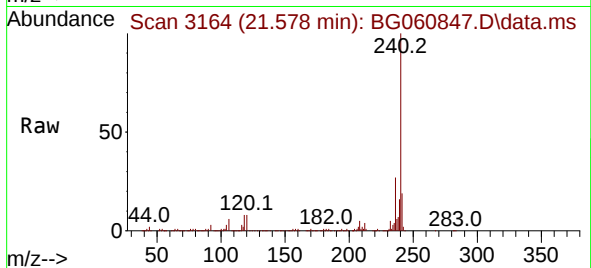




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.578 min Scan# 3164
Delta R.T. -0.026 min
Lab File: BG060847.D
Acq: 10 Apr 2024 10:18

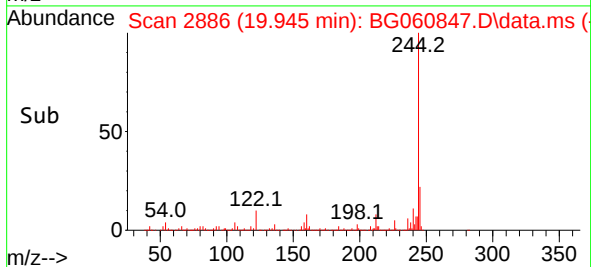
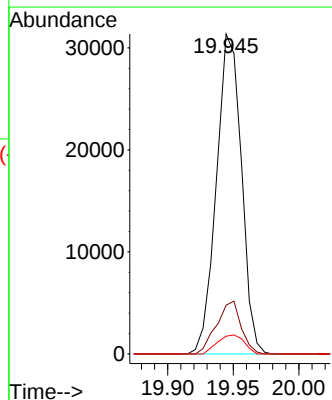
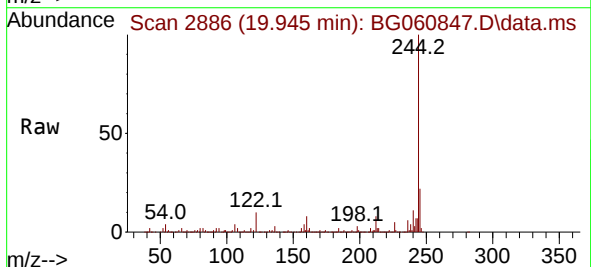
Instrument :
BNA_G
ClientSampleId :
PB160005BL

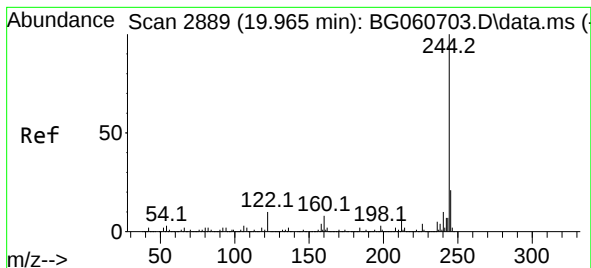
Tgt Ion:240 Resp: 582400
Ion Ratio Lower Upper
240 100
120 8.1 7.1 10.7
236 26.5 20.7 31.1



#77
Benzidine
Concen: 2.704 ng
RT: 19.945 min Scan# 2886
Delta R.T. 0.373 min
Lab File: BG060847.D
Acq: 10 Apr 2024 10:18

Tgt Ion:184 Resp: 41461
Ion Ratio Lower Upper
184 100
185 15.3 11.8 17.6
183 5.6 9.5 14.3#





#79

Terphenyl-d14

Concen: 75.684 ng

RT: 19.950 min Scan# 2

Delta R.T. -0.015 min

Lab File: BG060847.D

Acq: 10 Apr 2024 10:18

Instrument :

BNA_G

ClientSampleId :

PB160005BL

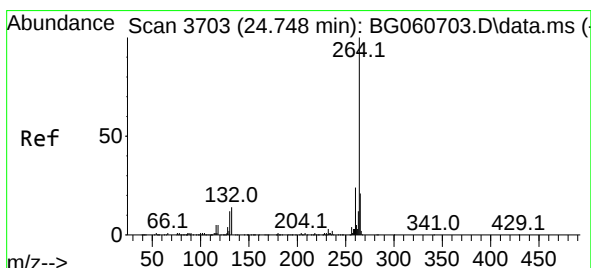
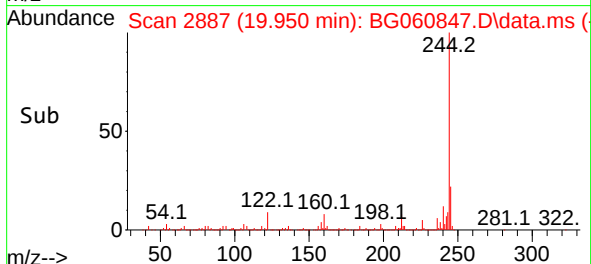
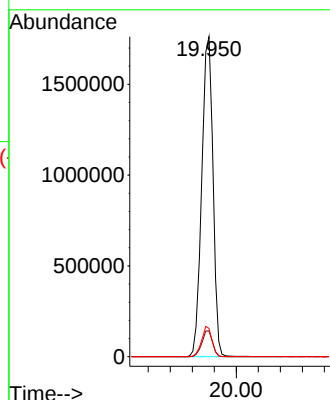
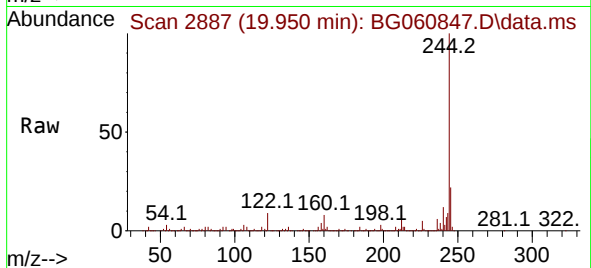
Tgt Ion:244 Resp: 2503274

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

122 8.9 7.8 11.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.710 min Scan# 3697

Delta R.T. -0.038 min

Lab File: BG060847.D

Acq: 10 Apr 2024 10:18

Tgt Ion:264 Resp: 670741

Ion Ratio Lower Upper

264 100

260 23.1 19.5 29.3

265 21.8 16.9 25.3

