

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021723\
 Data File : BG056666.D
 Acq On : 17 Feb 2023 21:54
 Operator : CG/JU
 Sample : 01582-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LEONIA-BARRIER

Quant Time: Feb 18 00:09:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 16 01:33:33 2023
 Response via : Initial Calibration

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

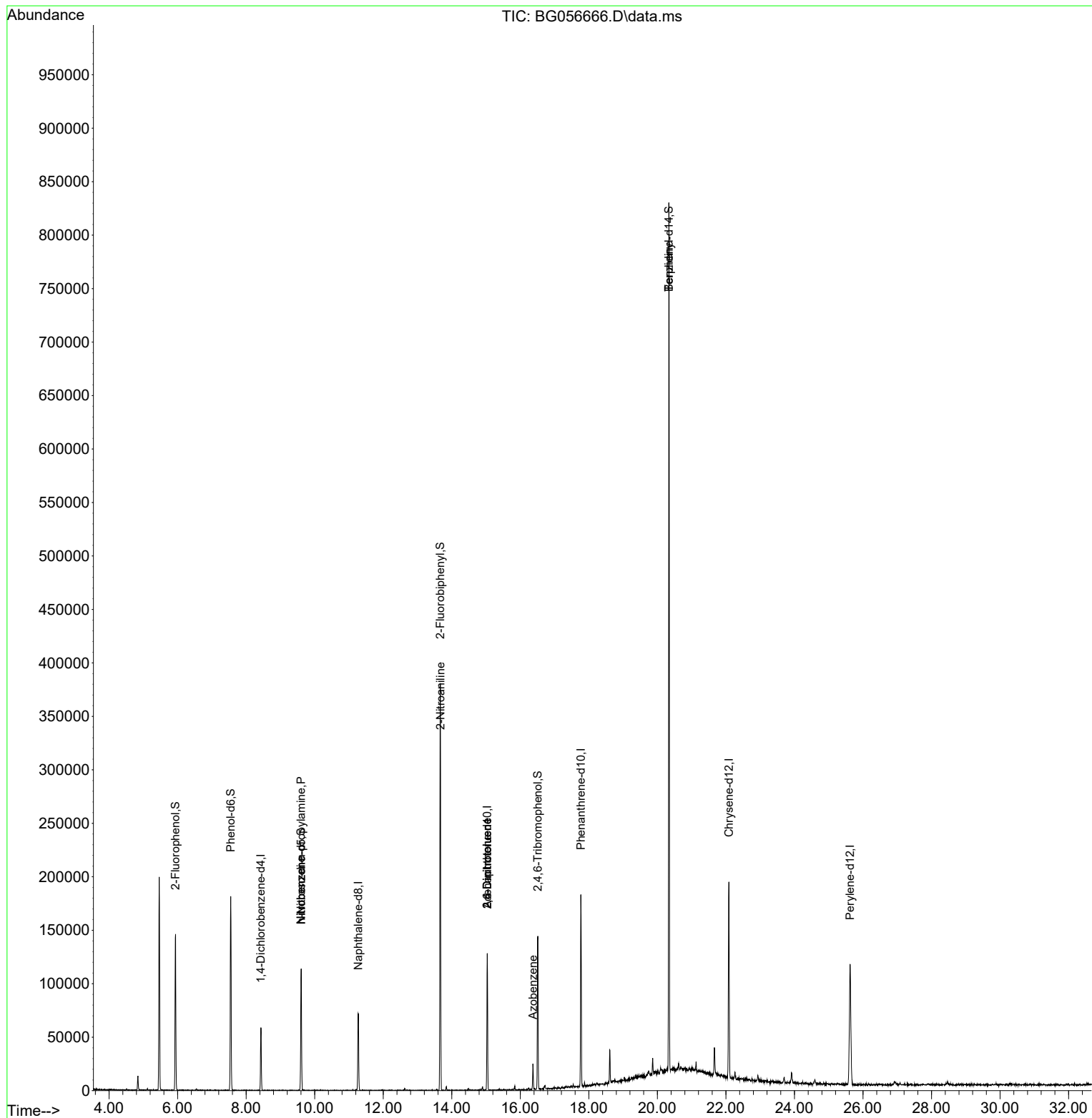
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.431	152	16318	20.000	ng	0.00
21) Naphthalene-d8	11.275	136	62265	20.000	ng	# 0.00
39) Acenaphthene-d10	15.035	164	45082	20.000	ng	0.00
64) Phenanthrene-d10	17.767	188	114884	20.000	ng	0.00
76) Chrysene-d12	22.086	240	120456	20.000	ng	-0.02
86) Perylene-d12	25.623	264	139822	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.940	112	61033	60.856	ng	0.00
7) Phenol-d6	7.550	99	101616	68.592	ng	0.00
23) Nitrobenzene-d5	9.606	82	68694	56.488	ng	0.00
42) 2,4,6-Tribromophenol	16.510	330	31001	50.226	ng	0.00
45) 2-Fluorobiphenyl	13.666	172	199172	59.160	ng	0.00
79) Terphenyl-d14	20.335	244	426335	57.908	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.606	70	9639	8.691	ng	# 70
24) Nitrobenzene	9.606	77	123	2.770	ng	# 43
48) 2-Nitroaniline	13.672	65	259	5.540	ng	# 1
51) 2,6-Dinitrotoluene	15.035	165	5890	10.295	ng	# 21
57) 2,4-Dinitrotoluene	15.035	165	5890	6.480	ng	# 24
63) Azobenzene	16.369	77	7796	2.072	ng	# 6
77) Benzidine	20.335	184	7270	2.523	ng	# 92

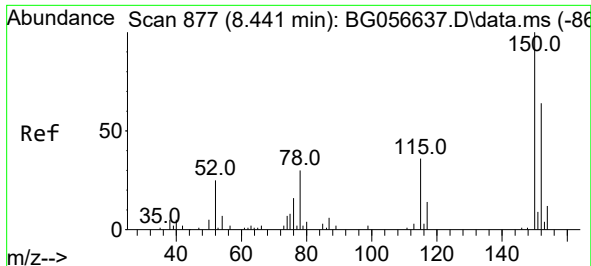
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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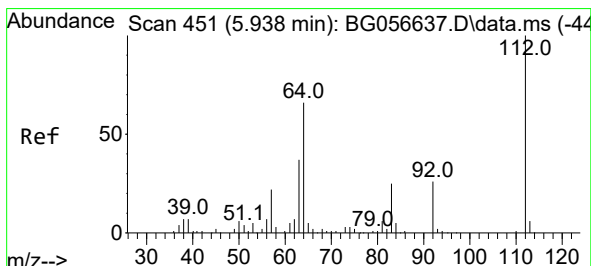
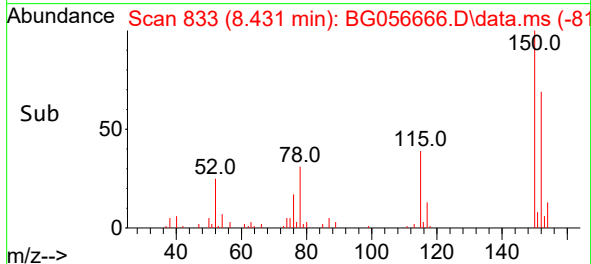
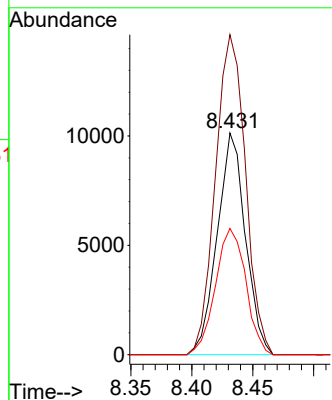
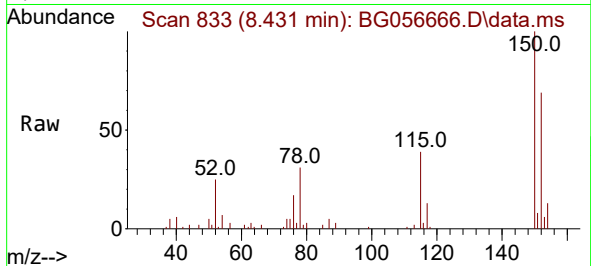




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.431 min Scan# 81
Delta R.T. -0.010 min
Lab File: BG056666.D
Acq: 17 Feb 2023 21:54

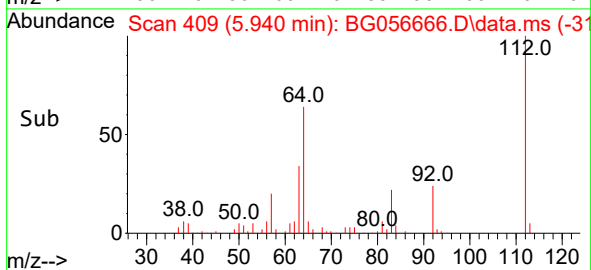
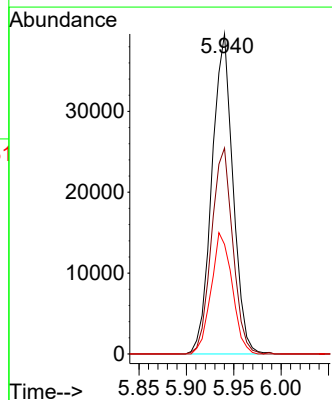
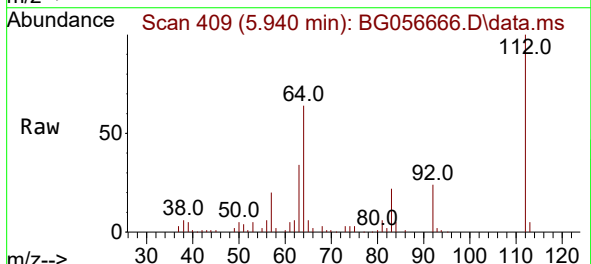
Instrument :
BNA_G
ClientSampleId :
LEONIA-BARRIER

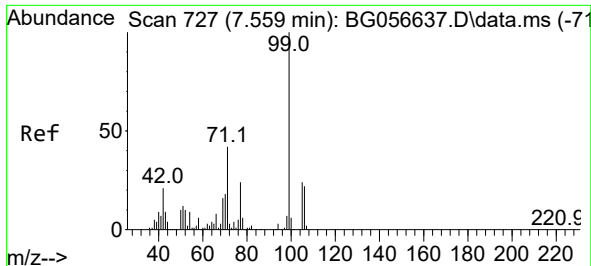
Tgt Ion:152 Resp: 16318
Ion Ratio Lower Upper
152 100
150 144.4 124.8 187.2
115 57.0 44.7 67.1



#5
2-Fluorophenol
Concen: 60.856 ng
RT: 5.940 min Scan# 409
Delta R.T. 0.002 min
Lab File: BG056666.D
Acq: 17 Feb 2023 21:54

Tgt Ion:112 Resp: 61033
Ion Ratio Lower Upper
112 100
64 64.4 52.6 78.8
63 34.3 29.8 44.6

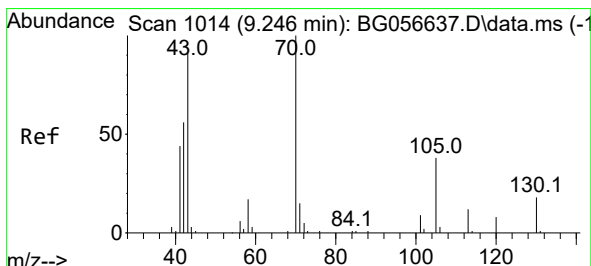
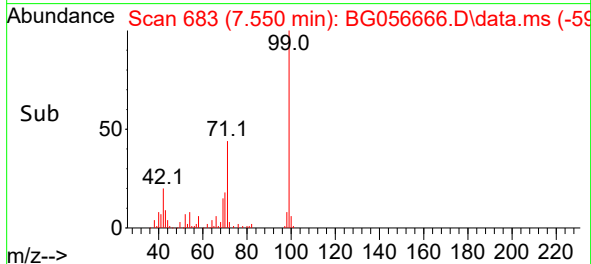
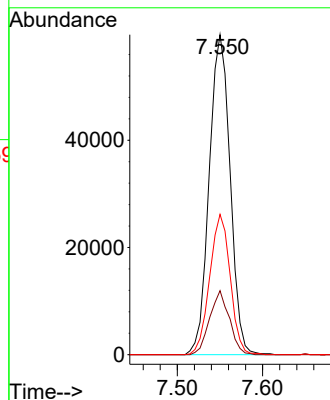
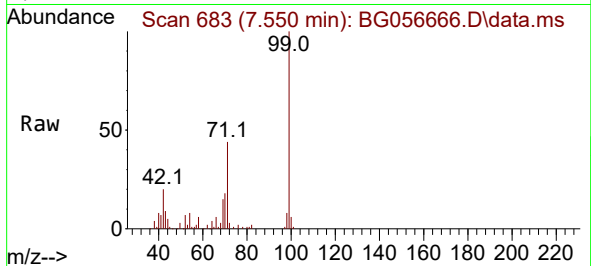




#7
Phenol-d6
Concen: 68.592 ng
RT: 7.550 min Scan# 61
Delta R.T. -0.009 min
Lab File: BG056666.D
Acq: 17 Feb 2023 21:54

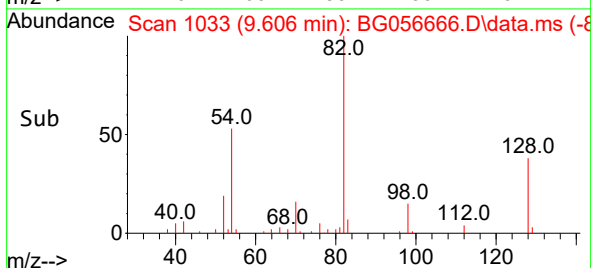
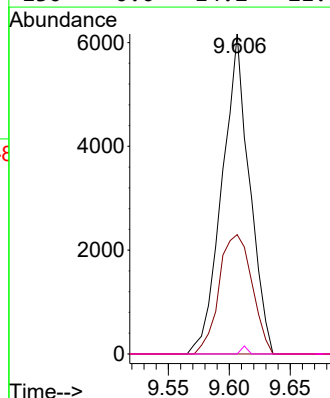
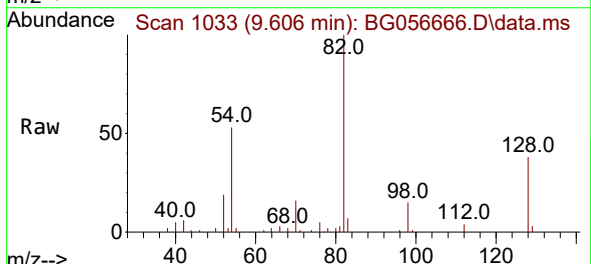
Instrument :
BNA_G
ClientSampleId :
LEONIA-BARRIER

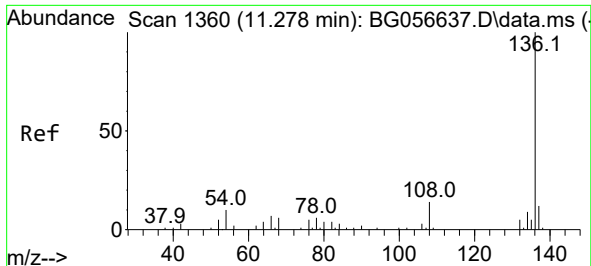
Tgt Ion: 99 Resp: 101616
Ion Ratio Lower Upper
99 100
42 20.0 16.8 25.2
71 43.8 33.9 50.9



#19
n-Nitroso-di-n-propylamine
Concen: 8.691 ng
RT: 9.606 min Scan# 1033
Delta R.T. 0.361 min
Lab File: BG056666.D
Acq: 17 Feb 2023 21:54

Tgt Ion: 70 Resp: 9639
Ion Ratio Lower Upper
70 100
42 37.3 45.7 68.5#
101 0.0 7.4 11.0#
130 0.0 14.2 21.4#

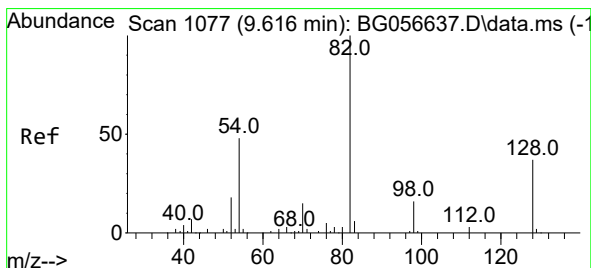
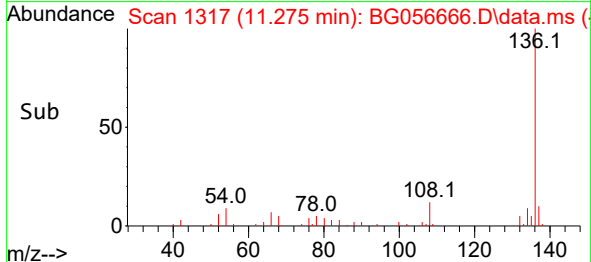
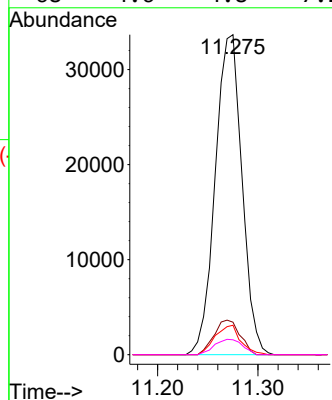
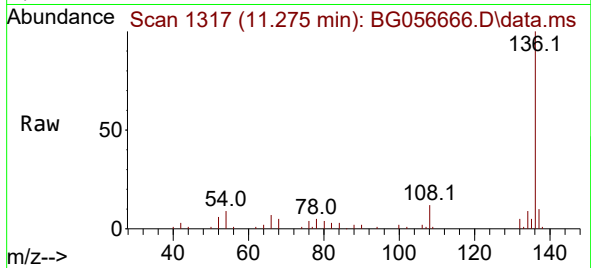




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.275 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG056666.D
Acq: 17 Feb 2023 21:54

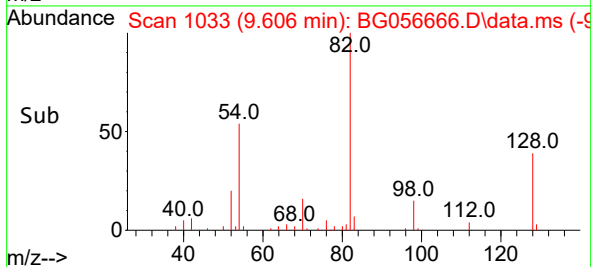
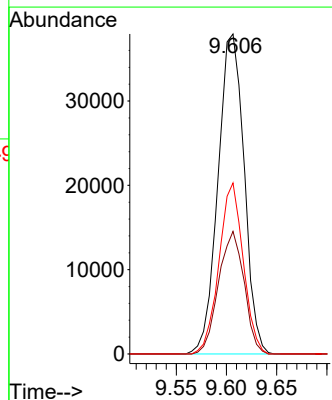
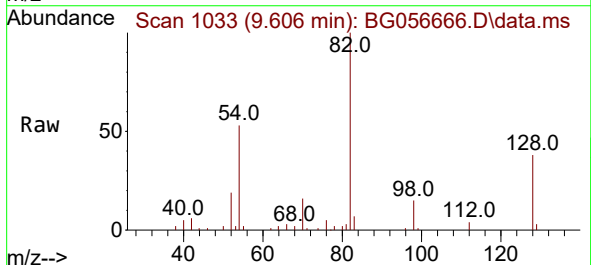
Instrument :
BNA_G
ClientSampleId :
LEONIA-BARRIER

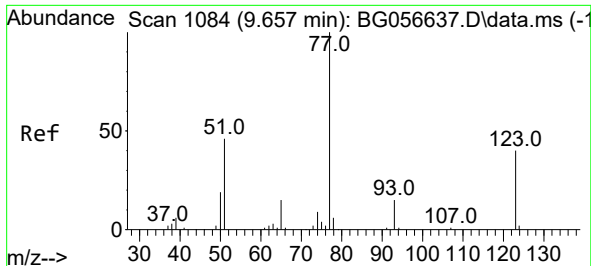
Tgt Ion:	136	Resp:	62265
Ion Ratio	Lower	Upper	
136	100		
137	10.2	9.7	14.5
54	9.2	7.7	11.5
68	4.6	4.8	7.2



#23
Nitrobenzene-d5
Concen: 56.488 ng
RT: 9.606 min Scan# 1033
Delta R.T. -0.010 min
Lab File: BG056666.D
Acq: 17 Feb 2023 21:54

Tgt Ion:	82	Resp:	68694
Ion Ratio	Lower	Upper	
82	100		
128	38.3	29.4	44.2
54	53.4	37.8	56.6

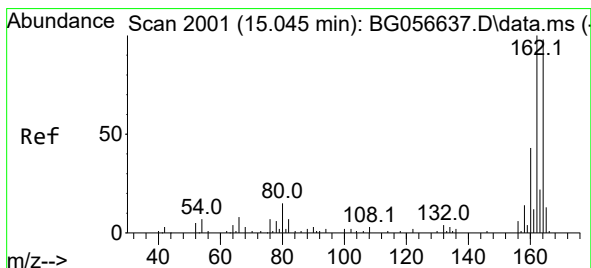
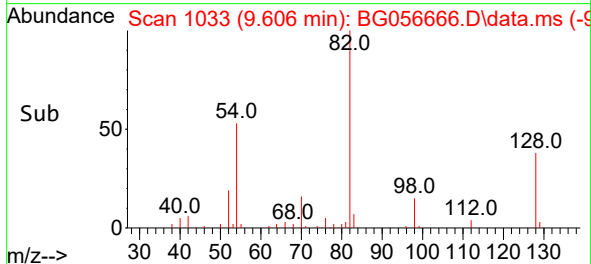
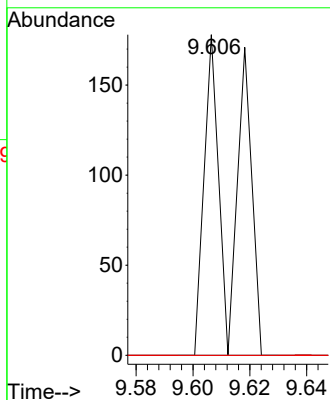
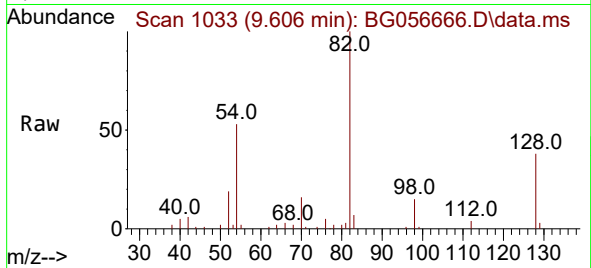




#24
Nitrobenzene
Concen: 2.770 ng
RT: 9.606 min Scan# 1084
Delta R.T. -0.051 min
Lab File: BG056666.D
Acq: 17 Feb 2023 21:54

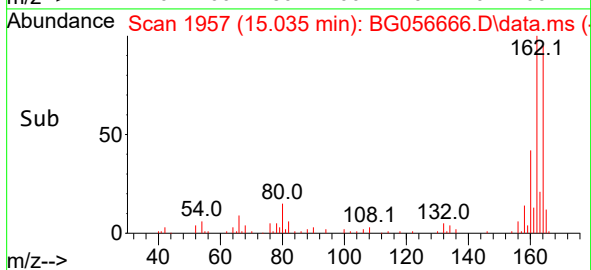
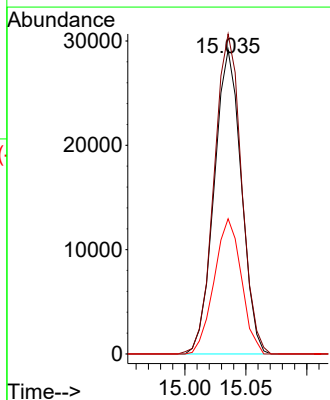
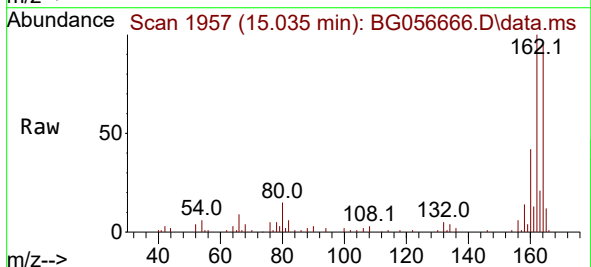
Instrument :
BNA_G
ClientSampleId :
LEONIA-BARRIER

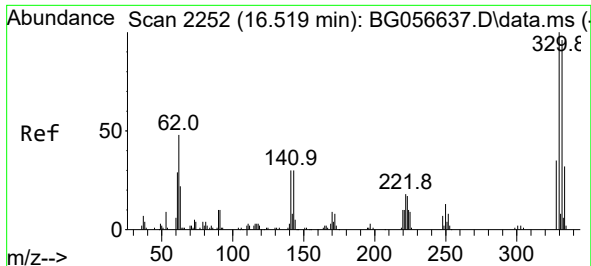
Tgt Ion: 77 Resp: 123
Ion Ratio Lower Upper
77 100
123 0.0 31.8 47.8#
65 0.0 12.0 18.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.035 min Scan# 1957
Delta R.T. -0.009 min
Lab File: BG056666.D
Acq: 17 Feb 2023 21:54

Tgt Ion: 164 Resp: 45082
Ion Ratio Lower Upper
164 100
162 105.3 81.3 121.9
160 44.5 35.2 52.8

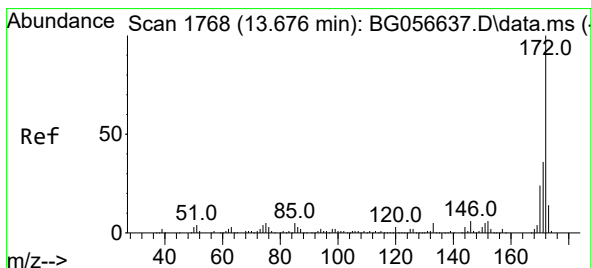
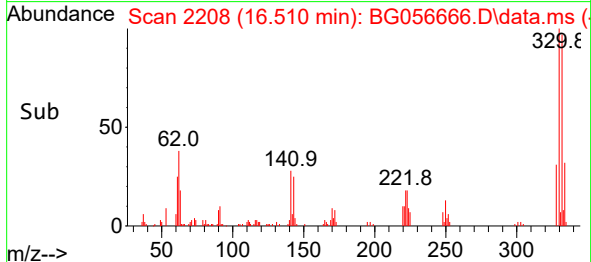
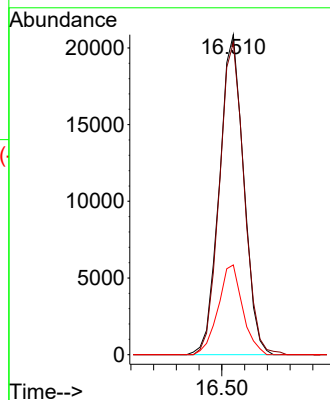
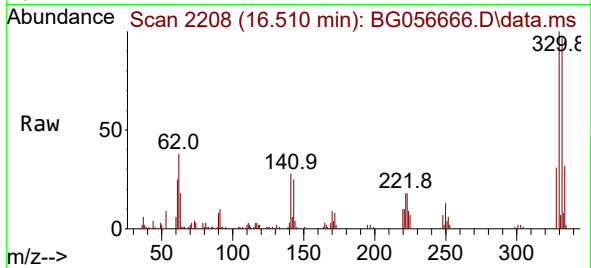




#42
 2,4,6-Tribromophenol
 Concen: 50.226 ng
 RT: 16.510 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BG056666.D
 Acq: 17 Feb 2023 21:54

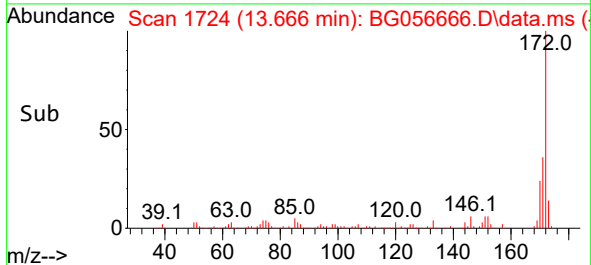
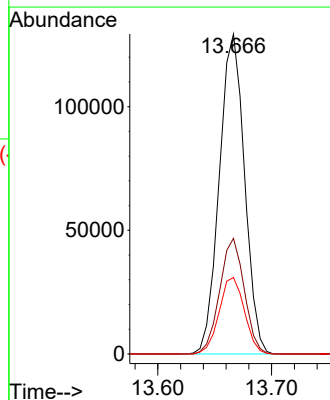
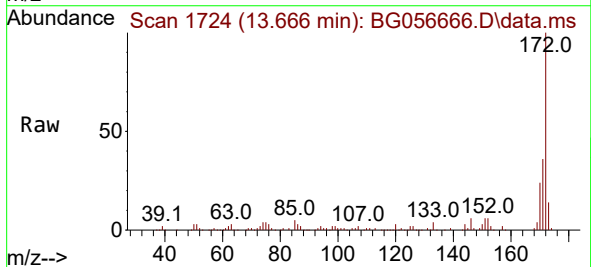
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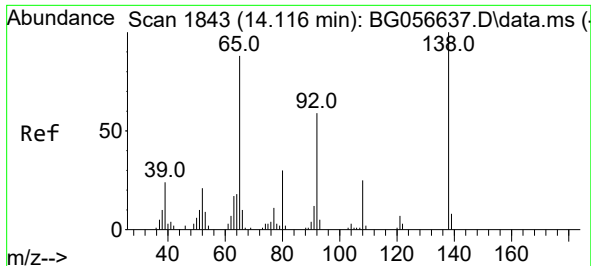
Tgt Ion:330 Resp: 31001
 Ion Ratio Lower Upper
 330 100
 332 98.4 75.7 113.5
 141 28.2 24.6 37.0



#45
 2-Fluorobiphenyl
 Concen: 59.160 ng
 RT: 13.666 min Scan# 1724
 Delta R.T. -0.009 min
 Lab File: BG056666.D
 Acq: 17 Feb 2023 21:54

Tgt Ion:172 Resp: 199172
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.6 43.0
 170 23.9 19.4 29.0

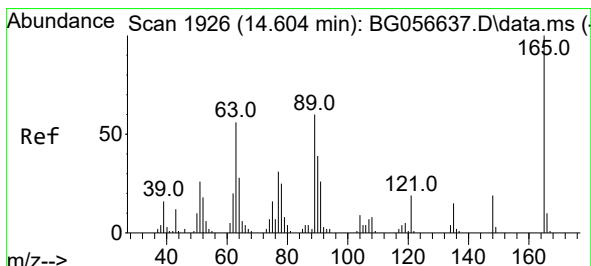
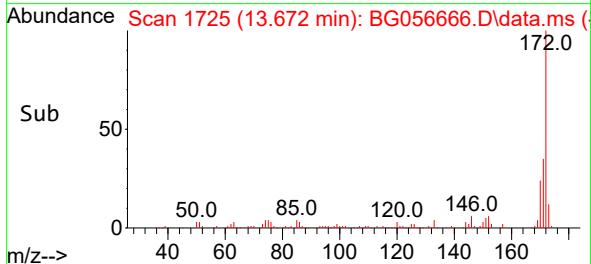
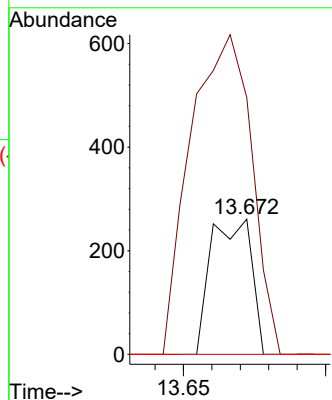
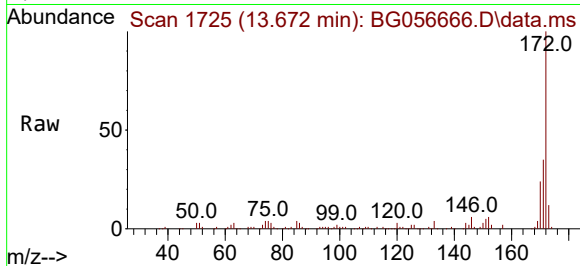




#48
2-Nitroaniline
Concen: 5.540 ng
RT: 13.672 min Scan# 11
Delta R.T. -0.444 min
Lab File: BG056666.D
Acq: 17 Feb 2023 21:54

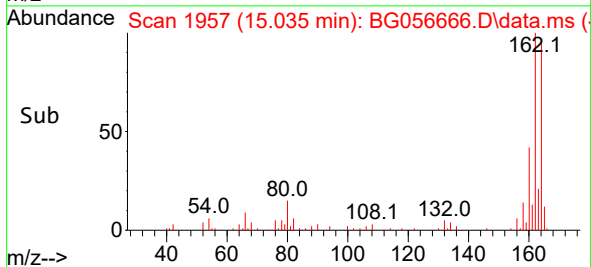
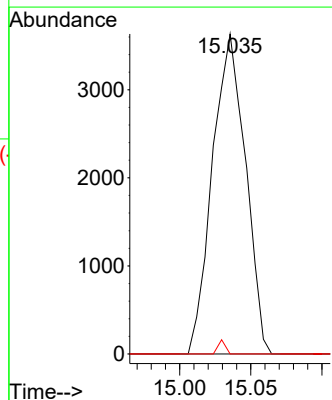
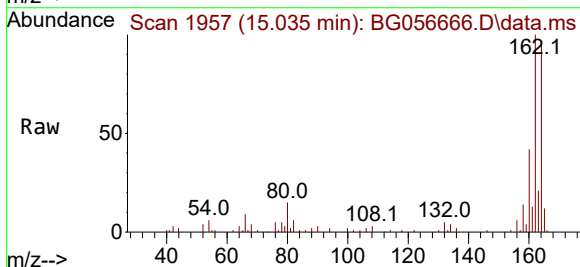
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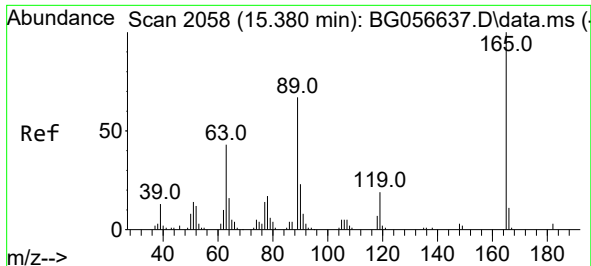
Tgt Ion: 65 Resp: 259
Ion Ratio Lower Upper
65 100
92 190.0 53.8 80.6#
138 0.0 90.6 135.8#



#51
2,6-Dinitrotoluene
Concen: 10.295 ng
RT: 15.035 min Scan# 1957
Delta R.T. 0.431 min
Lab File: BG056666.D
Acq: 17 Feb 2023 21:54

Tgt Ion:165 Resp: 5890
Ion Ratio Lower Upper
165 100
63 0.0 45.8 68.8#
89 0.0 48.2 72.2#





#57

2,4-Dinitrotoluene

Concen: 6.480 ng

RT: 15.035 min Scan# 11

Delta R.T. -0.344 min

Lab File: BG056666.D

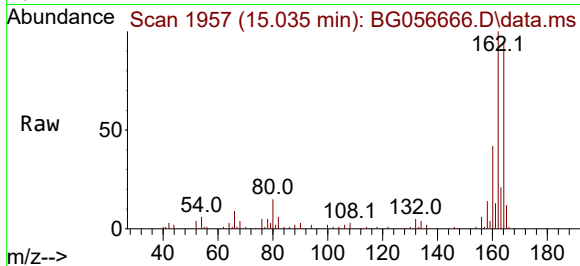
Acq: 17 Feb 2023 21:54

Instrument :

BNA_G

ClientSampleId :

LEONIA-BARRIER



Tgt Ion:165 Resp: 5890

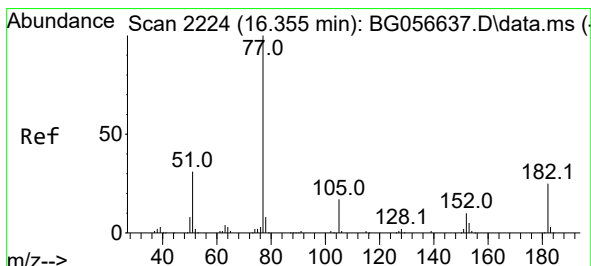
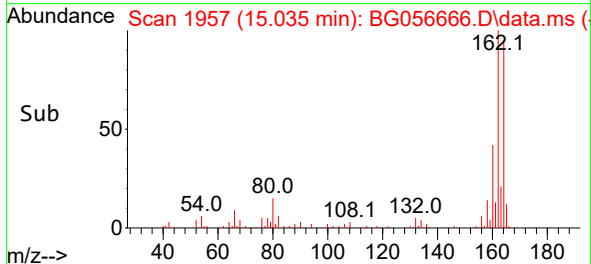
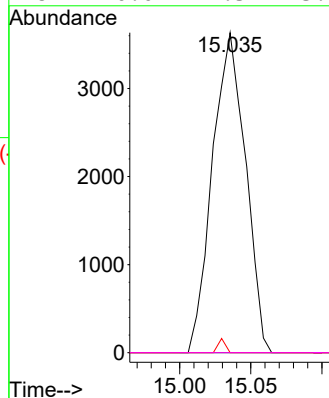
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 0.0 53.8 80.8#

182 0.0 2.5 3.7#



#63

Azobenzene

Concen: 2.072 ng

RT: 16.369 min Scan# 2184

Delta R.T. 0.014 min

Lab File: BG056666.D

Acq: 17 Feb 2023 21:54

Tgt Ion: 77 Resp: 7796

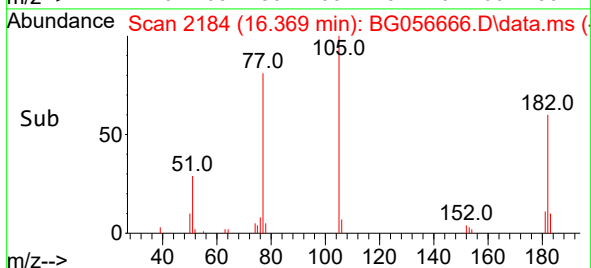
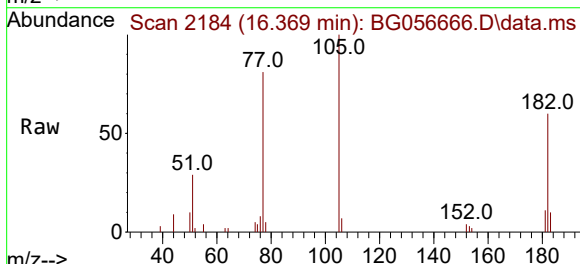
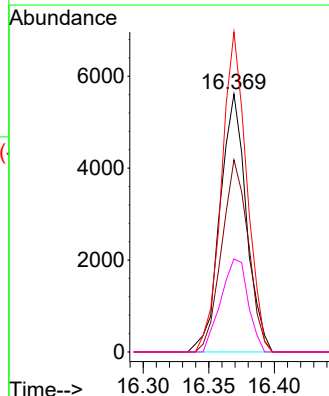
Ion Ratio Lower Upper

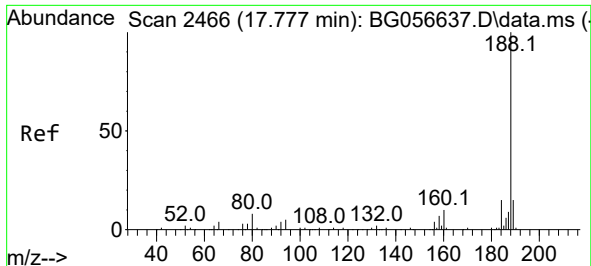
77 100

182 74.5 5.2 45.2#

105 124.1 0.0 37.3#

51 36.1 11.4 51.4

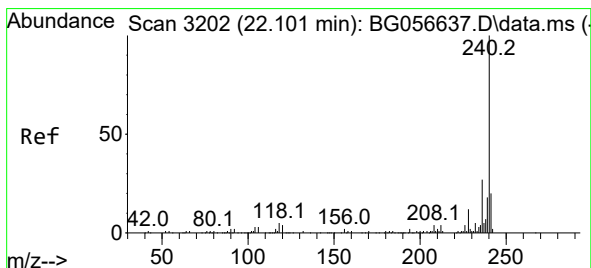
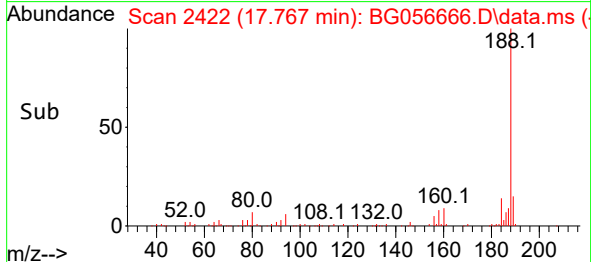
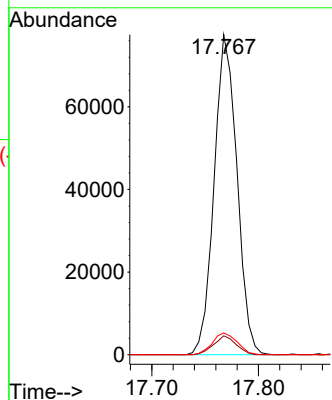
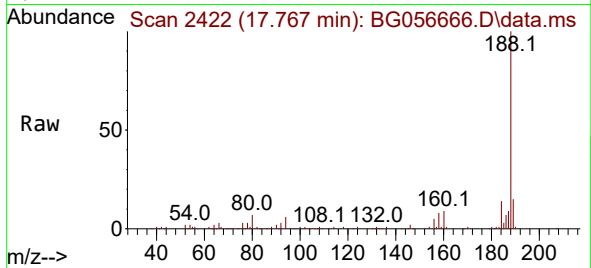




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.767 min Scan# 2466
Delta R.T. -0.009 min
Lab File: BG056666.D
Acq: 17 Feb 2023 21:54

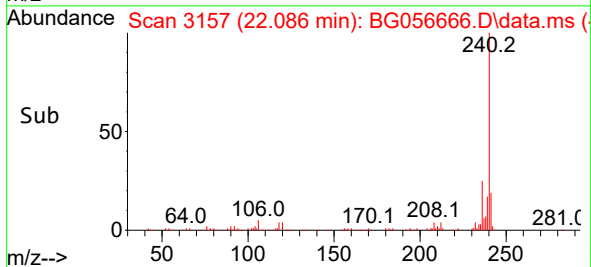
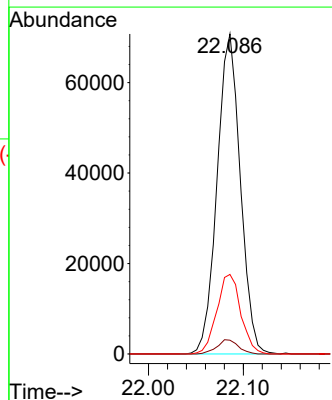
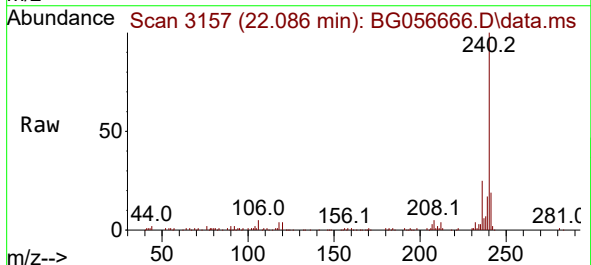
Instrument :
BNA_G
ClientSampleId :
LEONIA-BARRIER

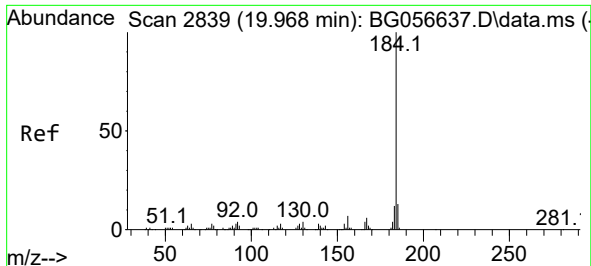
Tgt Ion:188 Resp: 114884
Ion Ratio Lower Upper
188 100
94 5.9 4.0 6.0
80 6.8 6.3 9.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.086 min Scan# 3157
Delta R.T. -0.015 min
Lab File: BG056666.D
Acq: 17 Feb 2023 21:54

Tgt Ion:240 Resp: 120456
Ion Ratio Lower Upper
240 100
120 4.3 3.5 5.3
236 24.9 21.5 32.3

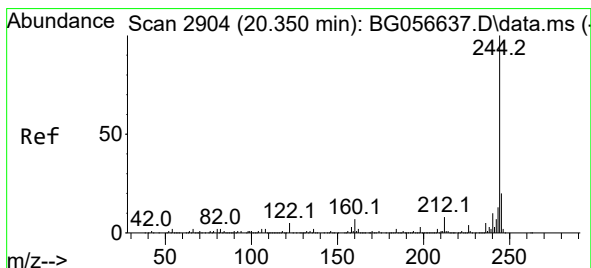
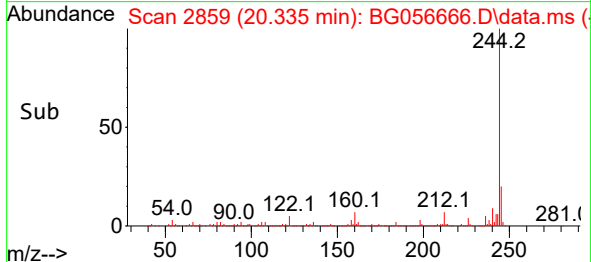
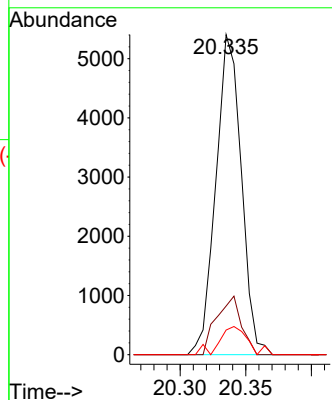
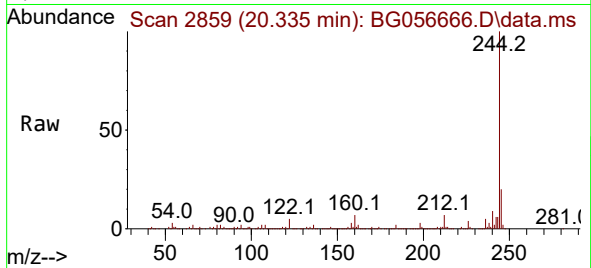




#77
Benzidine
Concen: 2.523 ng
RT: 20.335 min Scan# 2859
Delta R.T. 0.367 min
Lab File: BG056666.D
Acq: 17 Feb 2023 21:54

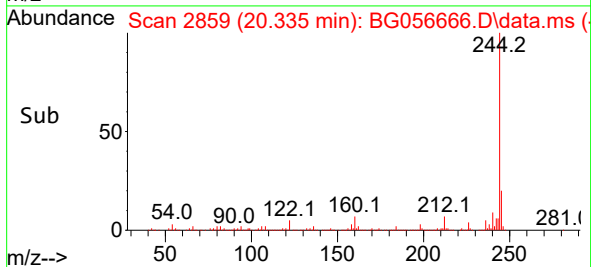
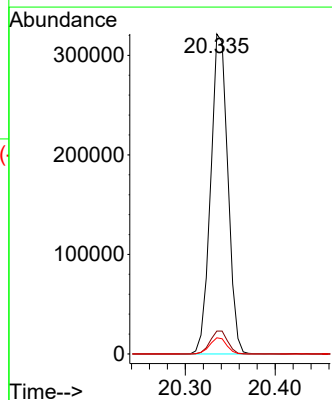
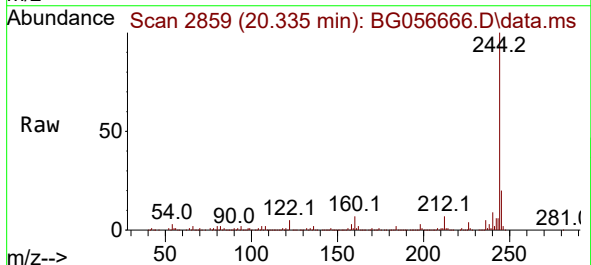
Instrument :
BNA_G
ClientSampleId :
LEONIA-BARRIER

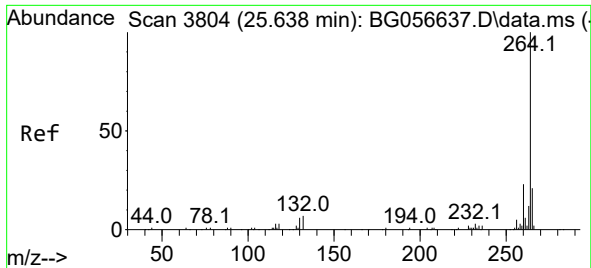
Tgt Ion:184 Resp: 7270
Ion Ratio Lower Upper
184 100
185 15.2 10.6 15.8
183 7.7 9.4 14.0#



#79
Terphenyl-d14
Concen: 57.908 ng
RT: 20.335 min Scan# 2859
Delta R.T. -0.015 min
Lab File: BG056666.D
Acq: 17 Feb 2023 21:54

Tgt Ion:244 Resp: 426335
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 5.1 3.8 5.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.623 min Scan# 31
 Delta R.T. -0.015 min
 Lab File: BG056666.D
 Acq: 17 Feb 2023 21:54

Instrument :
 BNA_G
 ClientSampleId :
 LEONIA-BARRIER

Tgt Ion:264 Resp: 139822
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.6 27.8
 265 20.6 17.0 25.4

