

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020923\
 Data File : BG056600.D
 Acq On : 9 Feb 2023 16:52
 Operator : CG/JU
 Sample : 01508-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RS-1

Quant Time: Feb 10 00:15:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 08 03:02:11 2023
 Response via : Initial Calibration

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

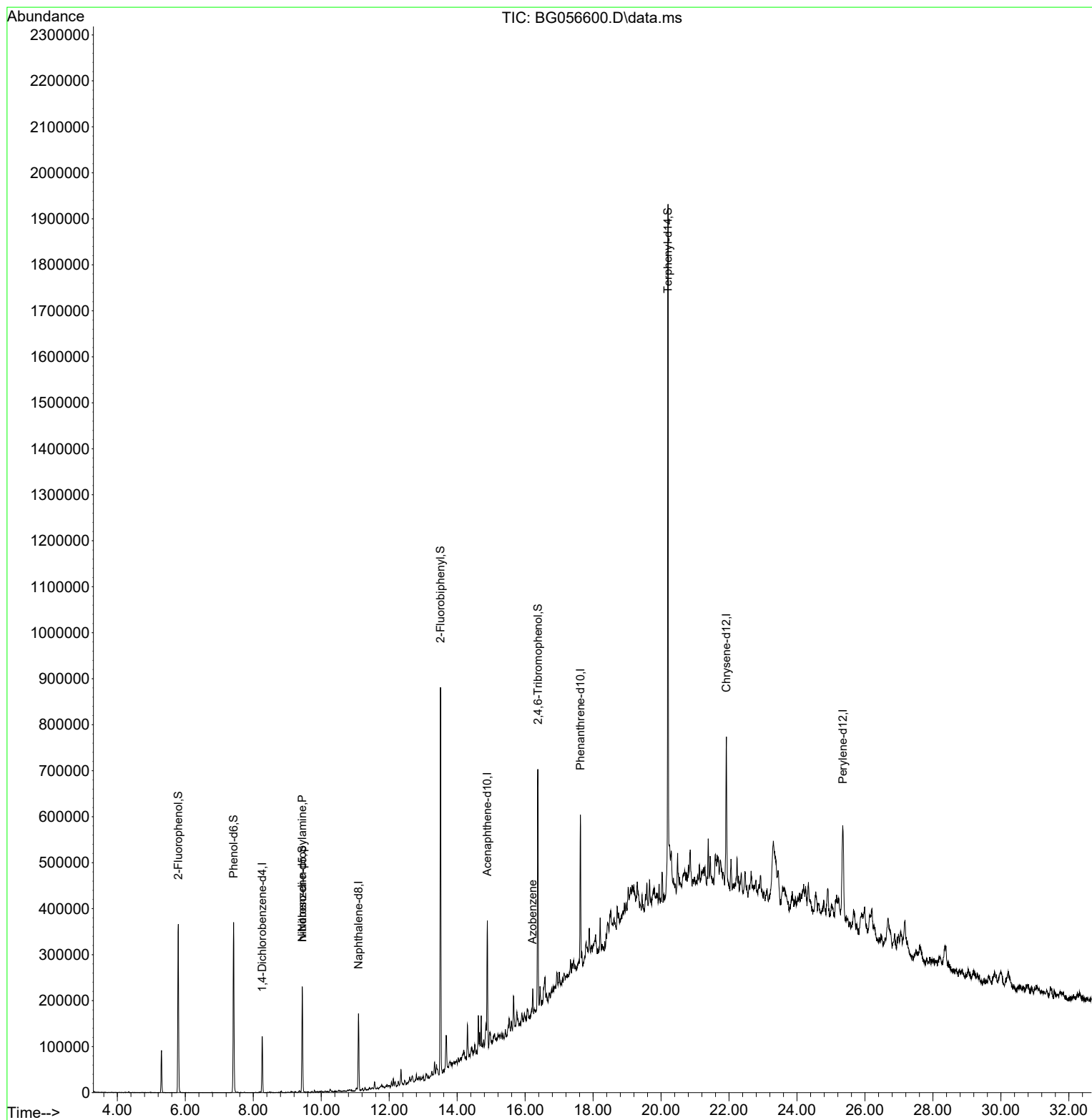
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.265	152	42276	20.000	ng	0.00
21) Naphthalene-d8	11.097	136	151729	20.000	ng	0.00
39) Acenaphthene-d10	14.887	164	102362	20.000	ng	0.00
64) Phenanthrene-d10	17.625	188	225908	20.000	ng	0.00
76) Chrysene-d12	21.920	240	219561	20.000	ng	0.00
86) Perylene-d12	25.351	264	242290	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	218995	95.292	ng	0.00
7) Phenol-d6	7.419	99	297458	87.357	ng	0.00
23) Nitrobenzene-d5	9.440	82	159486	59.688	ng	0.00
42) 2,4,6-Tribromophenol	16.373	330	112355	82.563	ng	0.00
45) 2-Fluorobiphenyl	13.506	172	485847	65.805	ng	-0.01
79) Terphenyl-d14	20.204	244	757698	60.612	ng	0.00
Target Compounds						
9) Benzaldehyde	7.419	77	347	Below Cal	Qvalue #	1
19) n-Nitroso-di-n-propyla...	9.440	70	20426	10.409 ng	#	74
63) Azobenzene	16.220	77	15617	2.919 ng	#	1

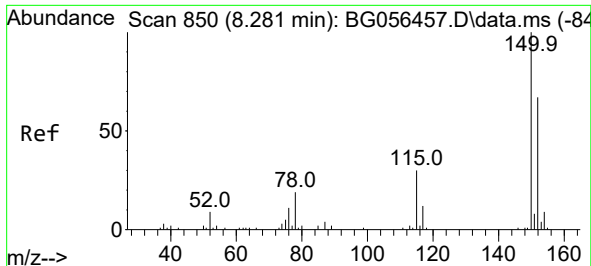
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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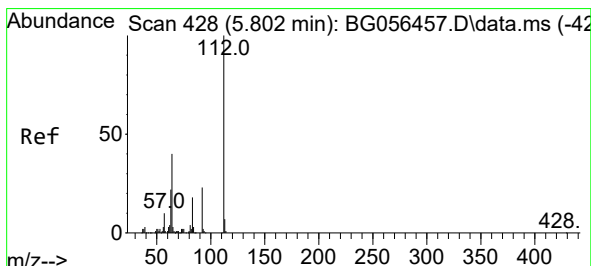
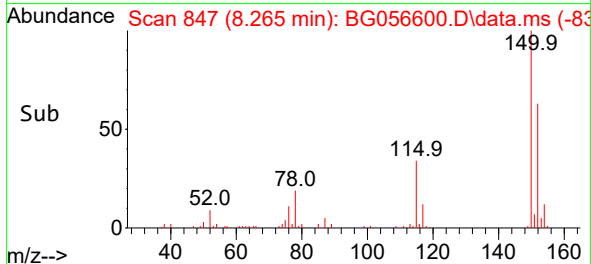
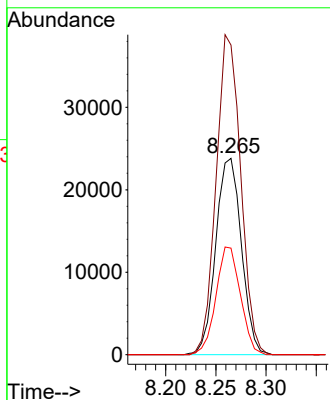
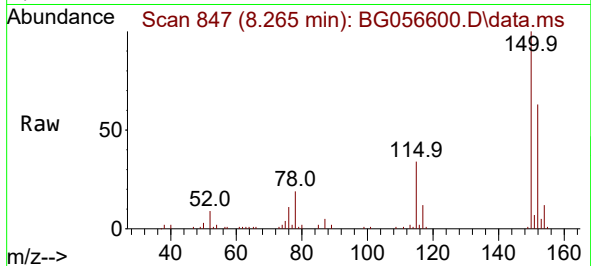




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.265 min Scan# 84
Delta R.T. -0.004 min
Lab File: BG056600.D
Acq: 9 Feb 2023 16:52

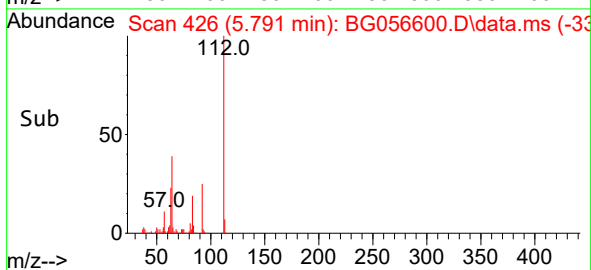
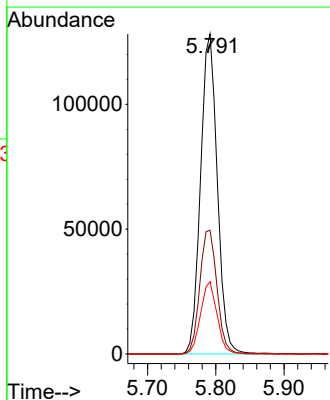
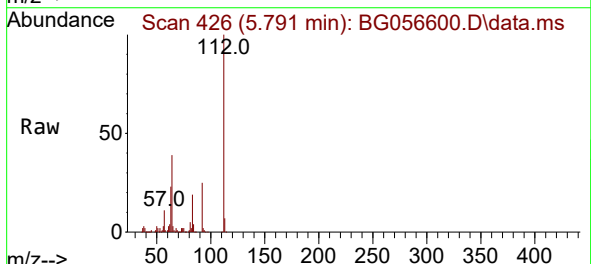
Instrument :
BNA_G
ClientSampleId :
RS-1

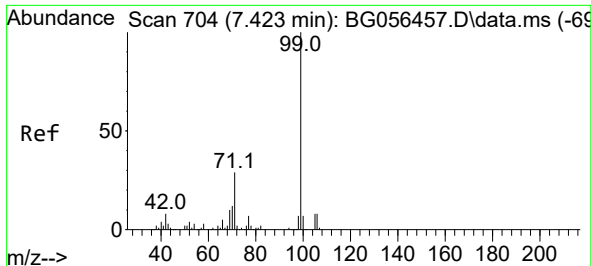
Tgt Ion:152 Resp: 42276
Ion Ratio Lower Upper
152 100
150 157.7 120.2 180.4
115 54.3 36.3 54.5



#5
2-Fluorophenol
Concen: 95.292 ng
RT: 5.791 min Scan# 426
Delta R.T. 0.001 min
Lab File: BG056600.D
Acq: 9 Feb 2023 16:52

Tgt Ion:112 Resp: 218995
Ion Ratio Lower Upper
112 100
64 38.7 31.9 47.9
63 22.6 17.4 26.0

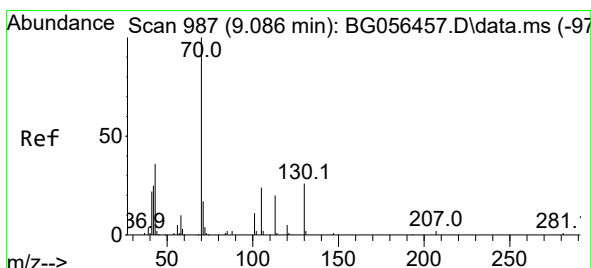
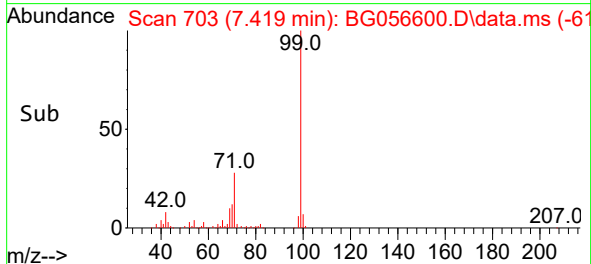
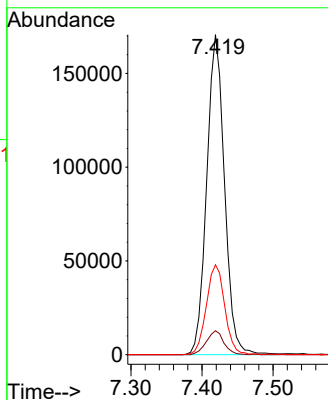
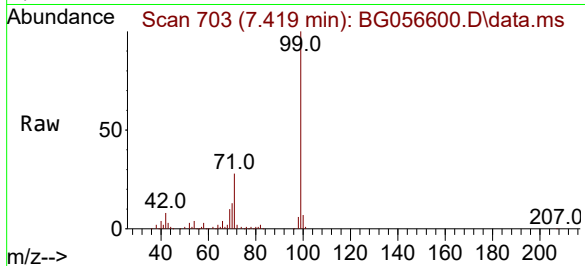




#7
Phenol-d6
Concen: 87.357 ng
RT: 7.419 min Scan# 704
Delta R.T. 0.001 min
Lab File: BG056600.D
Acq: 9 Feb 2023 16:52

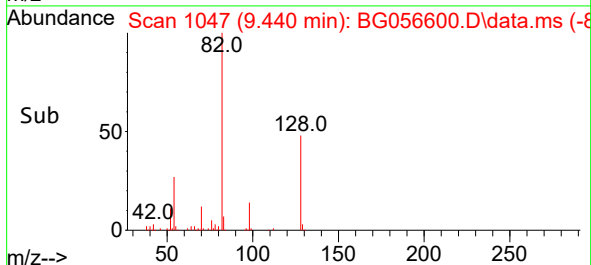
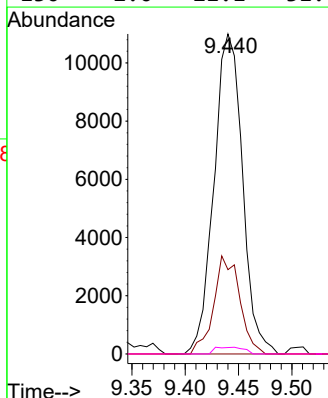
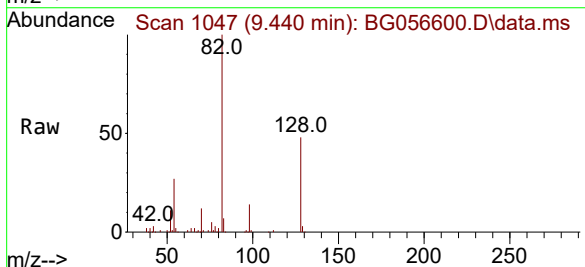
Instrument :
BNA_G
ClientSampleId :
RS-1

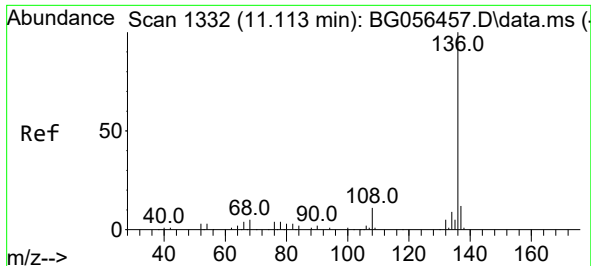
Tgt Ion: 99 Resp: 297458
Ion Ratio Lower Upper
99 100
42 7.5 6.6 10.0
71 28.1 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 10.409 ng
RT: 9.440 min Scan# 1047
Delta R.T. 0.366 min
Lab File: BG056600.D
Acq: 9 Feb 2023 16:52

Tgt Ion: 70 Resp: 20426
Ion Ratio Lower Upper
70 100
42 26.3 20.2 30.4
101 0.0 9.1 13.7#
130 2.0 21.1 31.7#

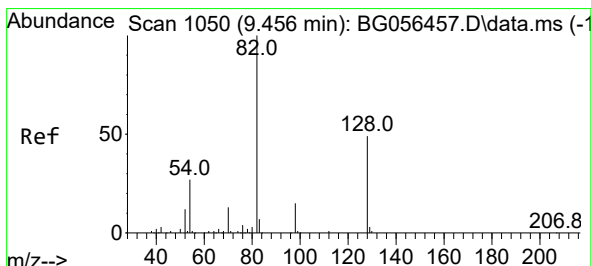
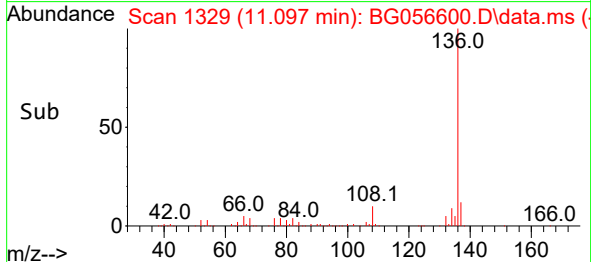
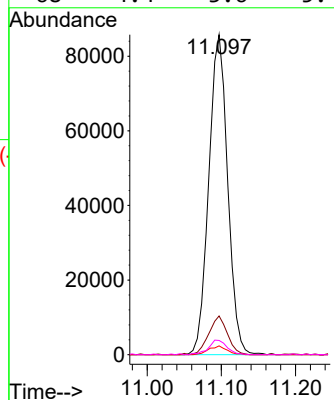
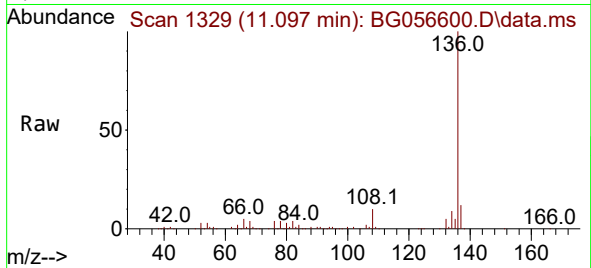




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.097 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG056600.D
Acq: 9 Feb 2023 16:52

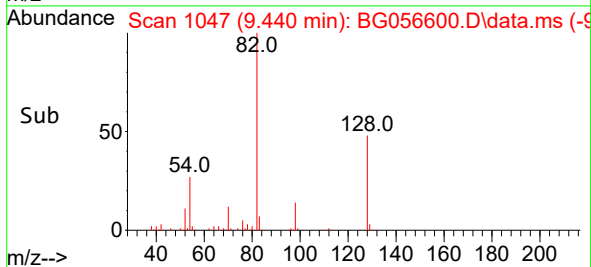
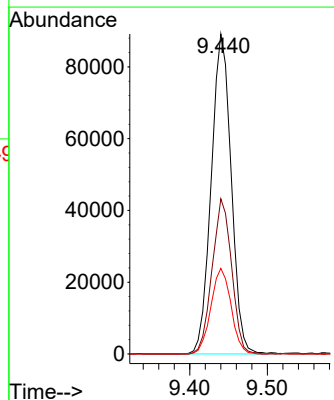
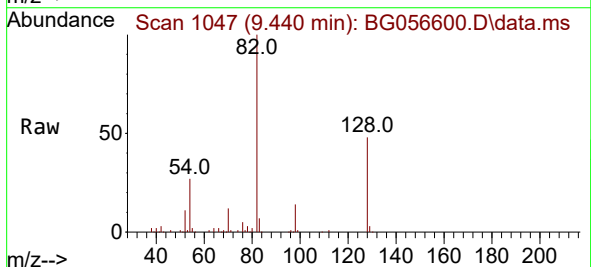
Instrument :
BNA_G
ClientSampleId :
RS-1

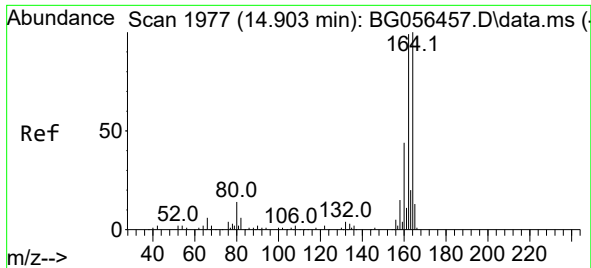
Tgt Ion:136 Resp: 151729
Ion Ratio Lower Upper
136 100
137 12.1 9.4 14.0
54 2.7 2.2 3.4
68 4.4 3.6 5.4



#23
Nitrobenzene-d5
Concen: 59.688 ng
RT: 9.440 min Scan# 1047
Delta R.T. -0.004 min
Lab File: BG056600.D
Acq: 9 Feb 2023 16:52

Tgt Ion: 82 Resp: 159486
Ion Ratio Lower Upper
82 100
128 48.5 39.4 59.2
54 26.7 21.4 32.2

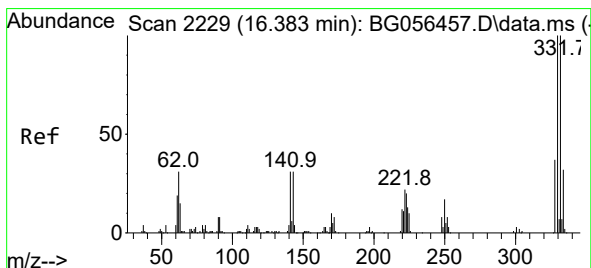
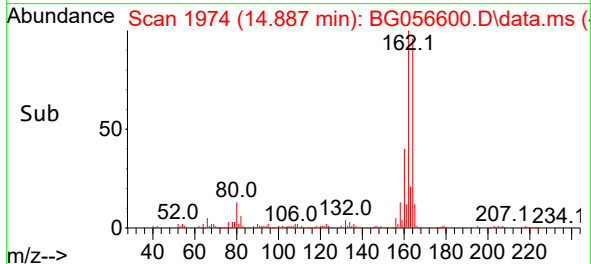
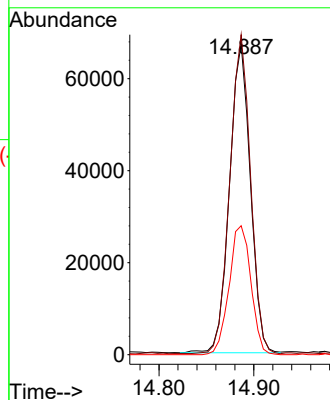
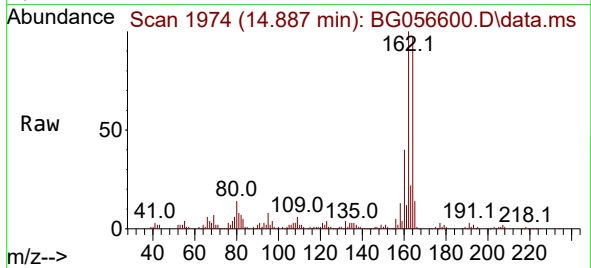




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.887 min Scan# 1977
Delta R.T. -0.004 min
Lab File: BG056600.D
Acq: 9 Feb 2023 16:52

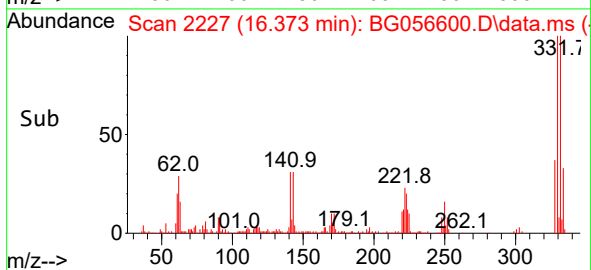
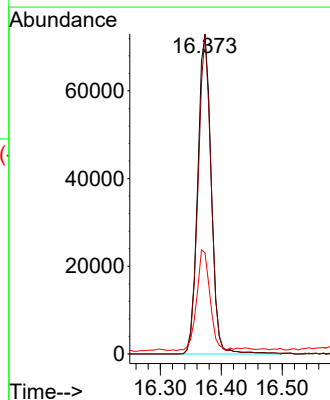
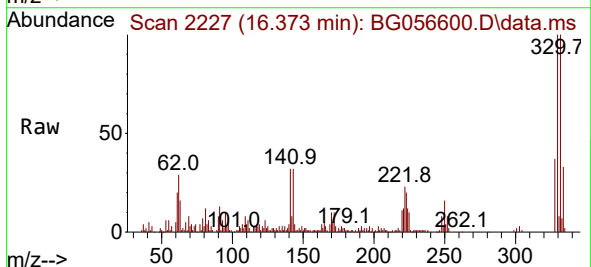
Instrument :
BNA_G
ClientSampleId :
RS-1

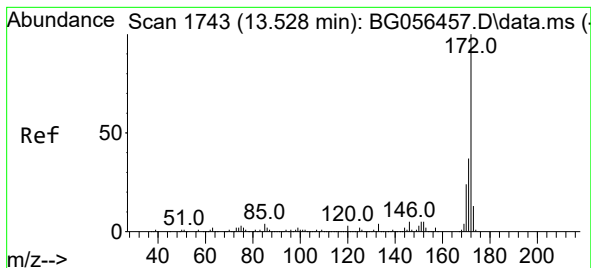
Tgt Ion:164 Resp: 102362
Ion Ratio Lower Upper
164 100
162 103.0 79.6 119.4
160 41.5 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 82.563 ng
RT: 16.373 min Scan# 2227
Delta R.T. -0.004 min
Lab File: BG056600.D
Acq: 9 Feb 2023 16:52

Tgt Ion:330 Resp: 112355
Ion Ratio Lower Upper
330 100
332 95.7 79.0 118.6
141 30.9 24.2 36.4





#45

2-Fluorobiphenyl

Concen: 65.805 ng

RT: 13.506 min Scan# 1

Delta R.T. -0.010 min

Lab File: BG056600.D

Acq: 9 Feb 2023 16:52

Instrument :

BNA_G

ClientSampleId :

RS-1

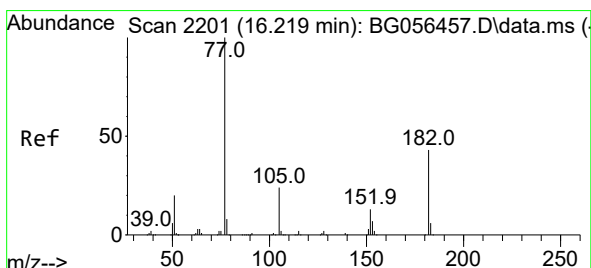
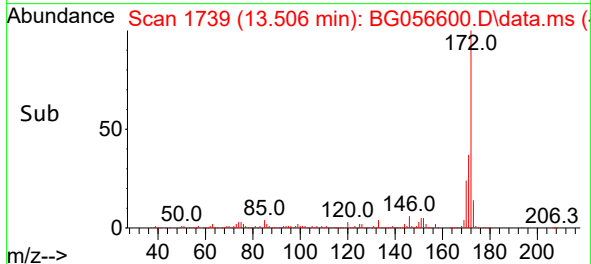
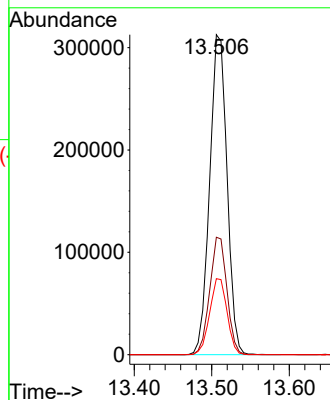
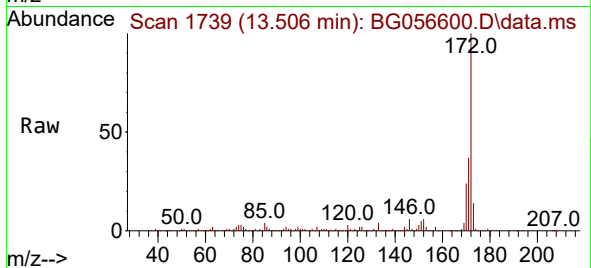
Tgt Ion:172 Resp: 485847

Ion Ratio Lower Upper

172 100

171 36.7 29.5 44.3

170 23.7 19.2 28.8



#63

Azobenzene

Concen: 2.919 ng

RT: 16.220 min Scan# 2201

Delta R.T. 0.013 min

Lab File: BG056600.D

Acq: 9 Feb 2023 16:52

Tgt Ion: 77 Resp: 15617

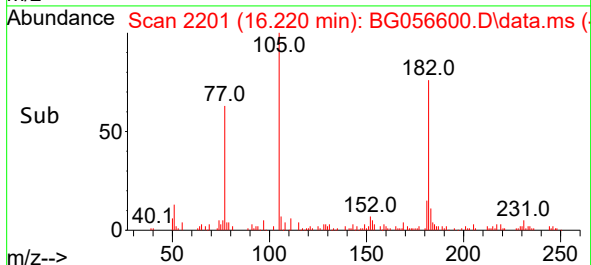
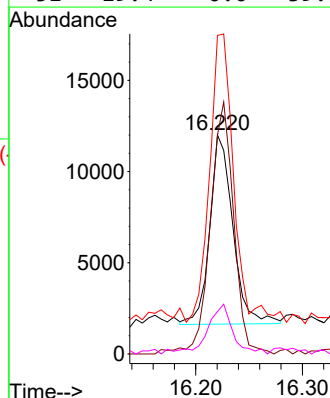
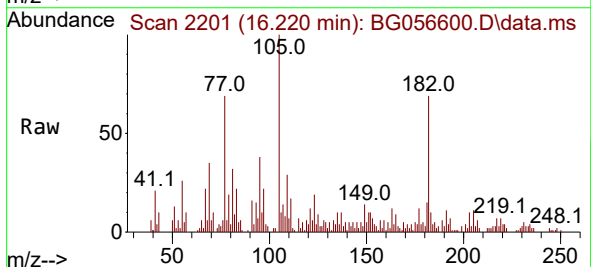
Ion Ratio Lower Upper

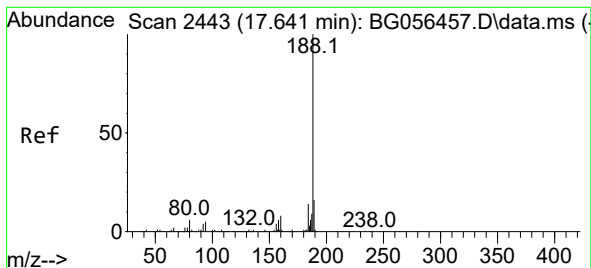
77 100

182 99.9 23.1 63.1#

105 145.5 4.2 44.2#

51 19.4 0.0 39.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.625 min Scan# 2444

Delta R.T. -0.004 min

Lab File: BG056600.D

Acq: 9 Feb 2023 16:52

Instrument :

BNA_G

ClientSampleId :

RS-1

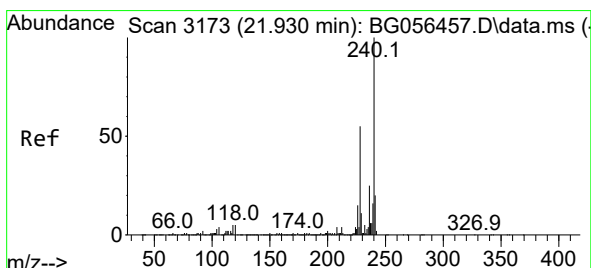
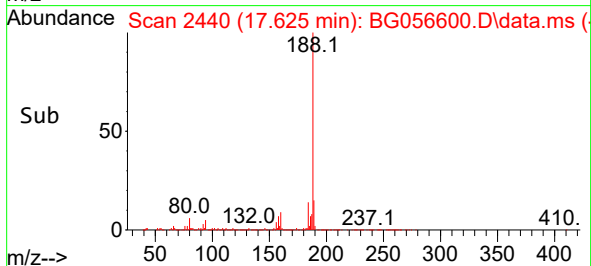
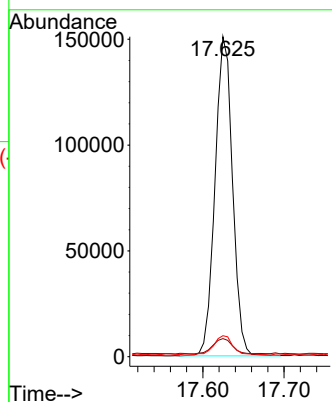
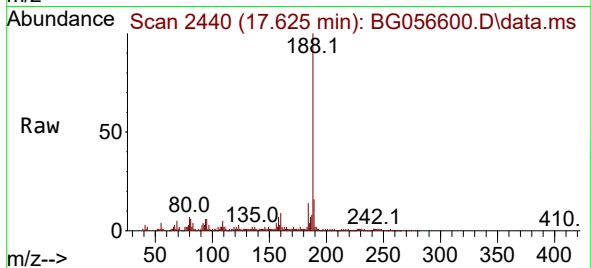
Tgt Ion:188 Resp: 225908

Ion Ratio Lower Upper

188 100

94 5.7 4.1 6.1

80 6.6 5.0 7.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.920 min Scan# 3171

Delta R.T. -0.004 min

Lab File: BG056600.D

Acq: 9 Feb 2023 16:52

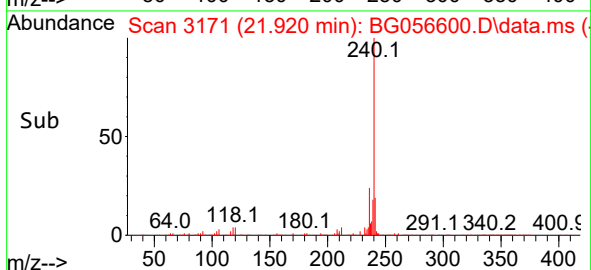
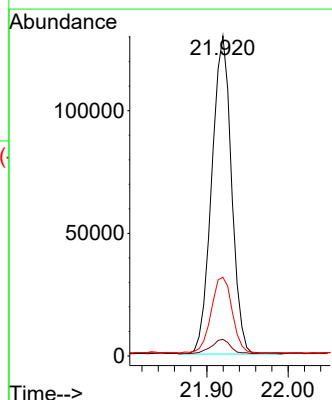
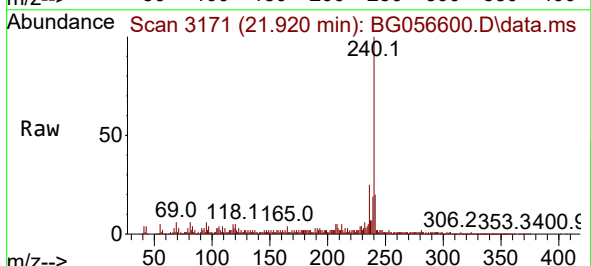
Tgt Ion:240 Resp: 219561

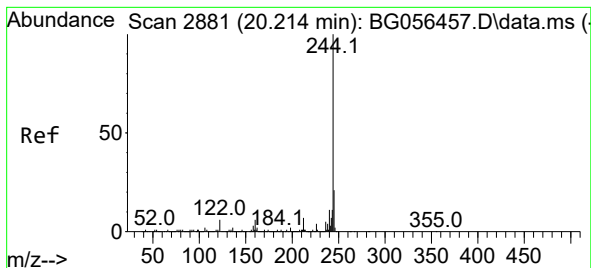
Ion Ratio Lower Upper

240 100

120 5.2 3.8 5.8

236 24.6 20.2 30.2





#79

Terphenyl-d14

Concen: 60.612 ng

RT: 20.204 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG056600.D

Acq: 9 Feb 2023 16:52

Instrument :

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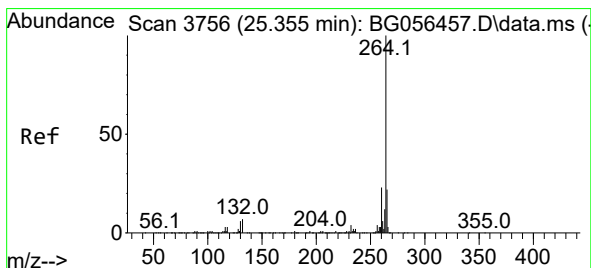
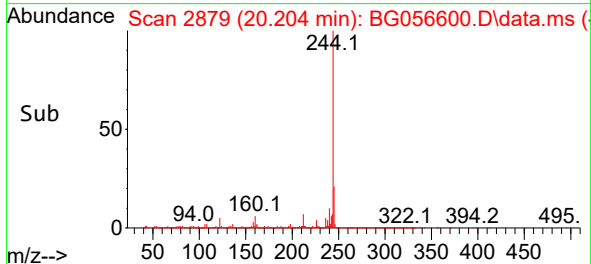
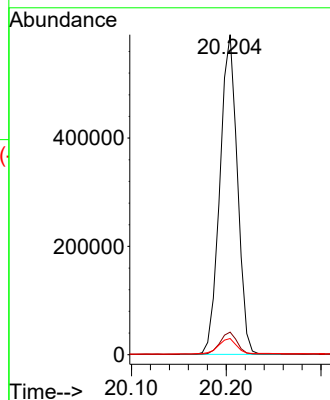
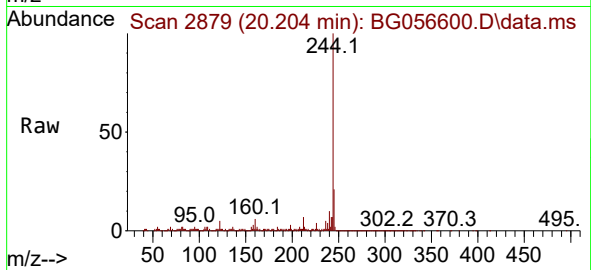
Tgt Ion:244 Resp: 757698

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 5.0 4.4 6.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.351 min Scan# 3755

Delta R.T. 0.013 min

Lab File: BG056600.D

Acq: 9 Feb 2023 16:52

Tgt Ion:264 Resp: 242290

Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.4

265 23.7 18.1 27.1

