

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020723\
 Data File : BG056569.D
 Acq On : 7 Feb 2023 15:59
 Operator : CG/JU
 Sample : 01463-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-5

Quant Time: Feb 08 03:06:07 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)

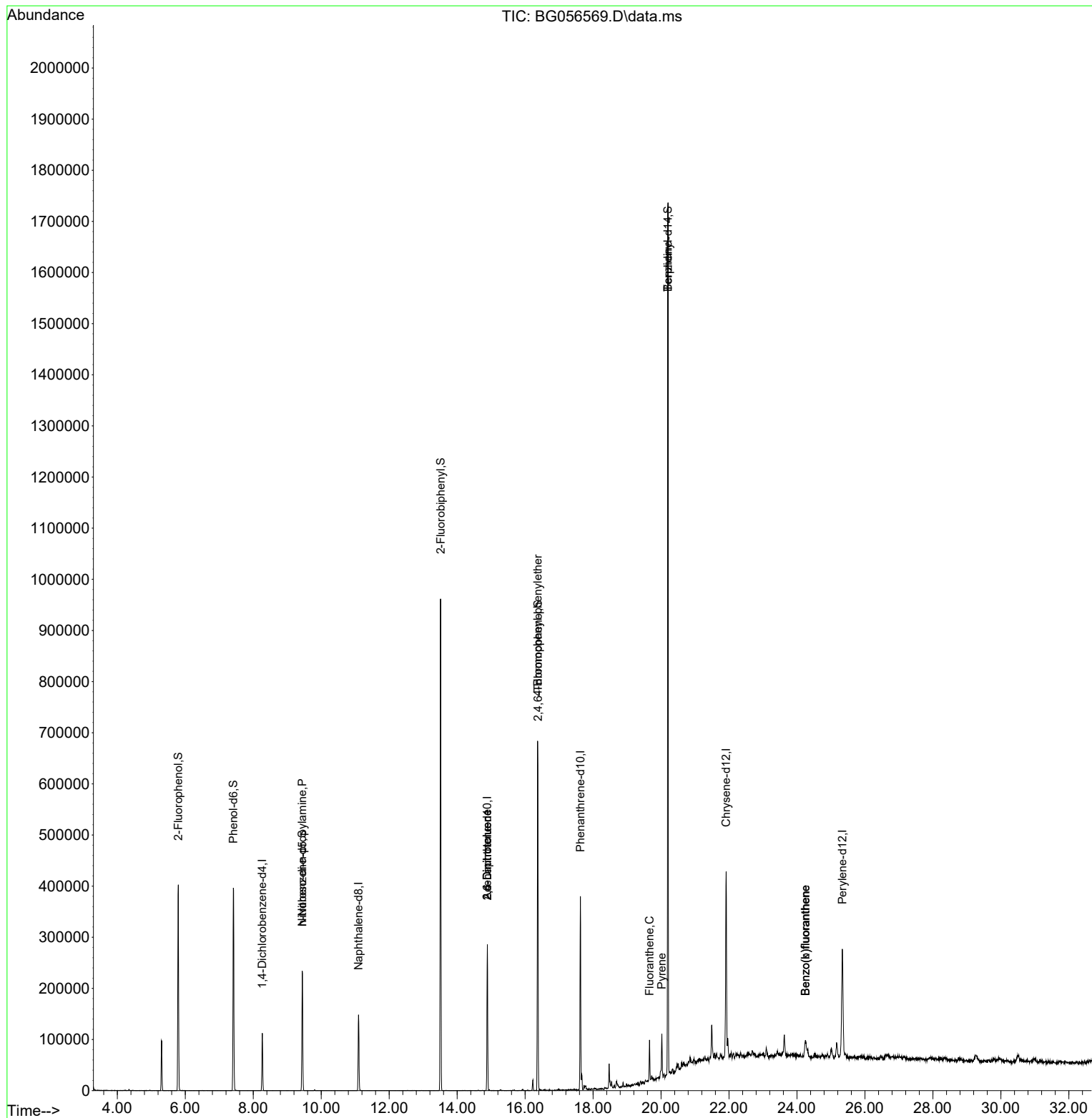
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.268	152	36745	20.000	ng	# 0.00
21) Naphthalene-d8	11.100	136	142299	20.000	ng	0.00
39) Acenaphthene-d10	14.889	164	108256	20.000	ng	0.00
64) Phenanthrene-d10	17.627	188	259082	20.000	ng	0.00
76) Chrysene-d12	21.916	240	236508	20.000	ng	0.00
86) Perylene-d12	25.336	264	257769	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.794	112	230237	115.264	ng	0.00
7) Phenol-d6	7.416	99	318004	107.449	ng	0.00
23) Nitrobenzene-d5	9.443	82	166535	66.456	ng	0.00
42) 2,4,6-Tribromophenol	16.376	330	146212	101.593	ng	0.00
45) 2-Fluorobiphenyl	13.514	172	538662	68.986	ng	0.00
79) Terphenyl-d14	20.207	244	936813	69.570	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.416	77	434	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.443	70	20539	12.042	ng	# 74
51) 2,6-Dinitrotoluene	14.889	165	14211	7.440	ng	# 36
57) 2,4-Dinitrotoluene	14.889	165	14211	5.282	ng	# 35
67) 4-Bromophenyl-phenylether	16.370	248	11686	3.523	ng	# 1
75) Fluoranthene	19.660	202	54550	3.187	ng	98
77) Benzidine	20.201	184	12908	2.017	ng	# 91
78) Pyrene	20.024	202	54514	3.241	ng	96
88) Benzo(b)fluoranthene	24.249	252	42472	2.655	ng	# 98
89) Benzo(k)fluoranthene	24.249	252	42472	2.629	ng	# 96

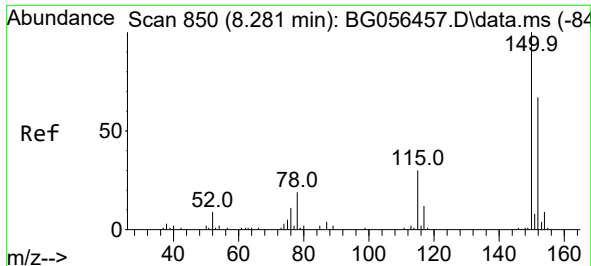
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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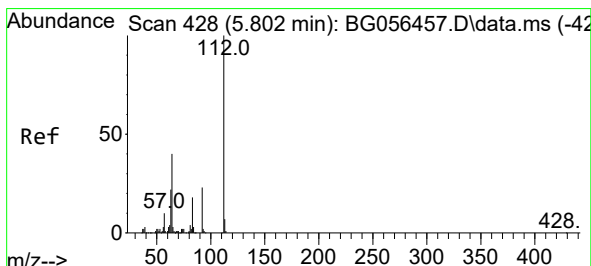
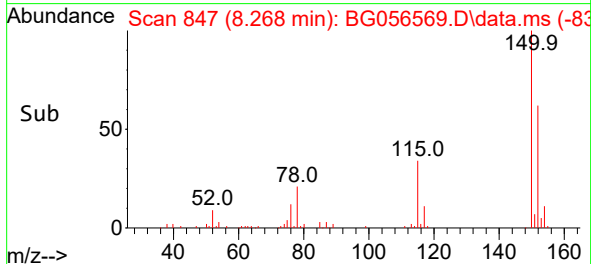
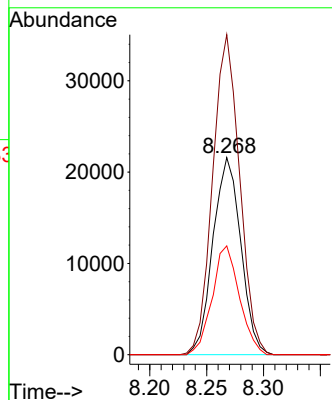
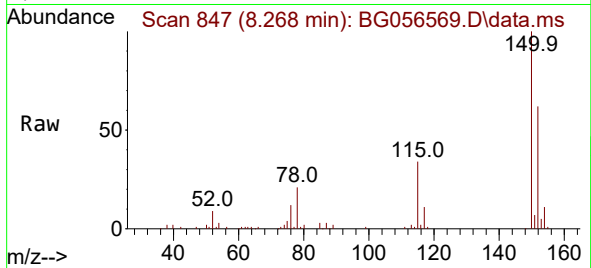




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.268 min Scan# 84
Delta R.T. -0.001 min
Lab File: BG056569.D
Acq: 7 Feb 2023 15:59

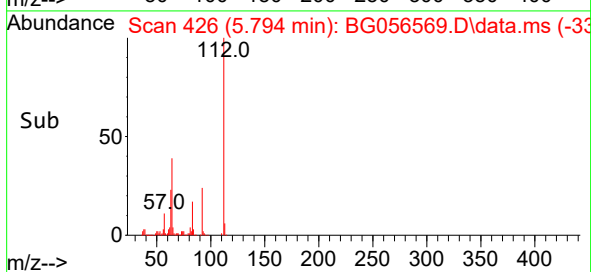
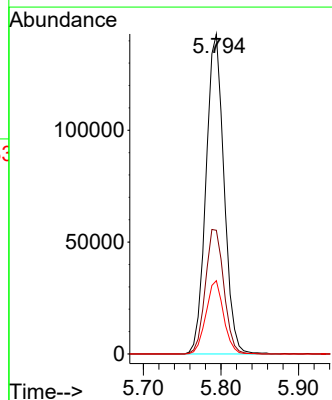
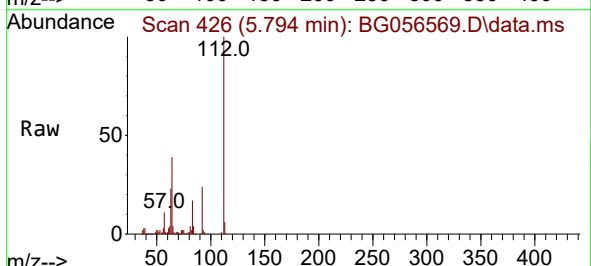
Instrument :
BNA_G
ClientSampleId :
COMP-5

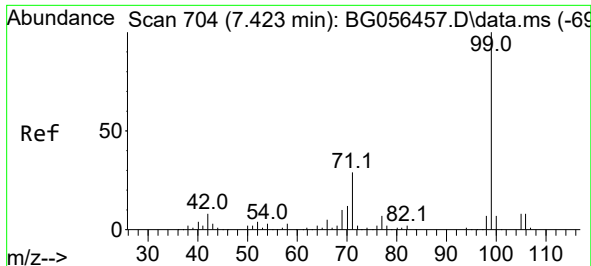
Tgt Ion:152 Resp: 36745
Ion Ratio Lower Upper
152 100
150 162.3 120.2 180.4
115 55.2 36.3 54.5#



#5
2-Fluorophenol
Concen: 115.264 ng
RT: 5.794 min Scan# 426
Delta R.T. 0.004 min
Lab File: BG056569.D
Acq: 7 Feb 2023 15:59

Tgt Ion:112 Resp: 230237
Ion Ratio Lower Upper
112 100
64 38.7 31.9 47.9
63 22.9 17.4 26.0

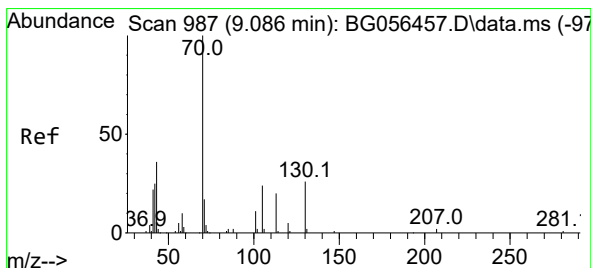
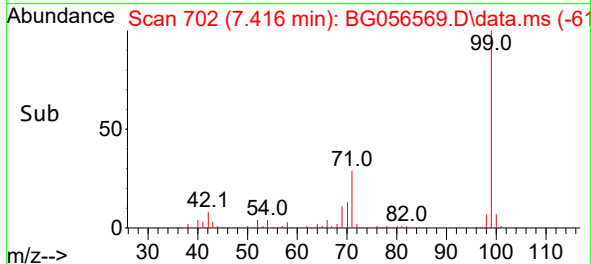
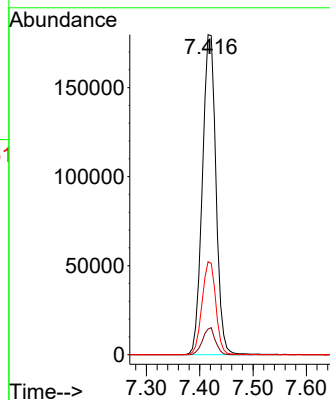
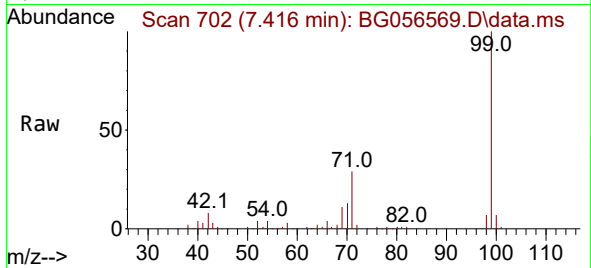




#7
Phenol-d6
Concen: 107.449 ng
RT: 7.416 min Scan# 704
Delta R.T. -0.002 min
Lab File: BG056569.D
Acq: 7 Feb 2023 15:59

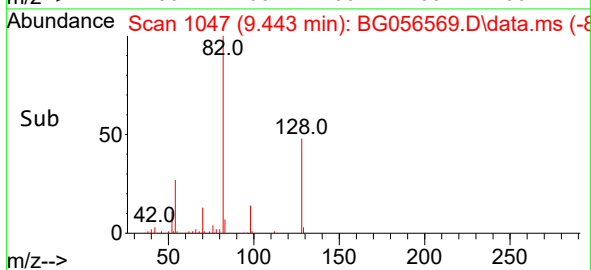
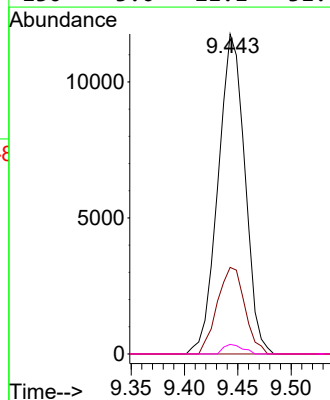
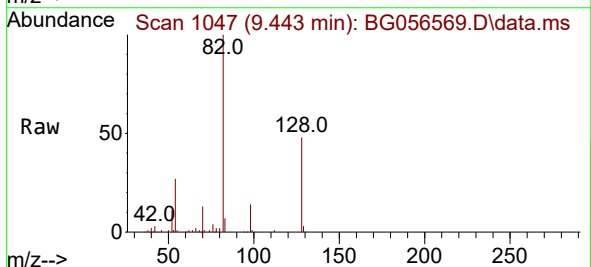
Instrument :
BNA_G
ClientSampleId :
COMP-5

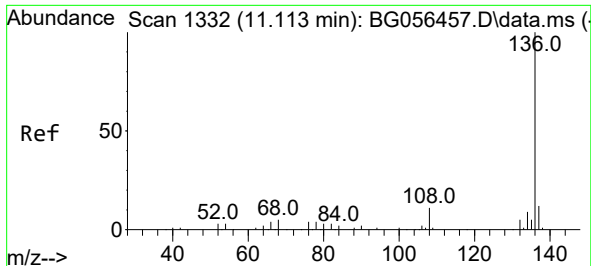
Tgt Ion: 99 Resp: 318004
Ion Ratio Lower Upper
99 100
42 8.0 6.6 10.0
71 29.0 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 12.042 ng
RT: 9.443 min Scan# 1047
Delta R.T. 0.368 min
Lab File: BG056569.D
Acq: 7 Feb 2023 15:59

Tgt Ion: 70 Resp: 20539
Ion Ratio Lower Upper
70 100
42 27.1 20.2 30.4
101 0.0 9.1 13.7#
130 3.0 21.1 31.7#

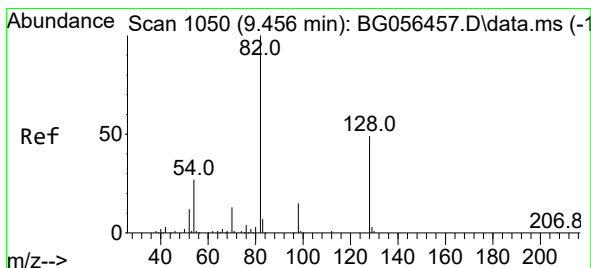
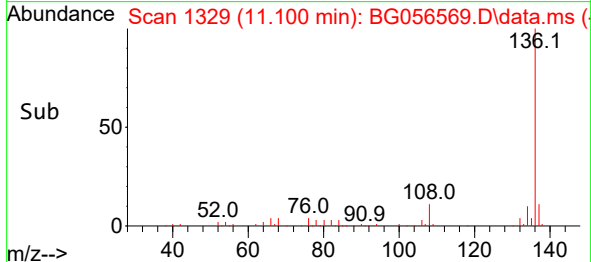
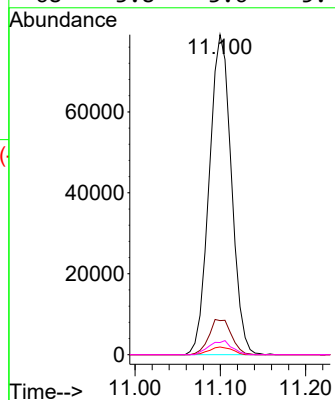
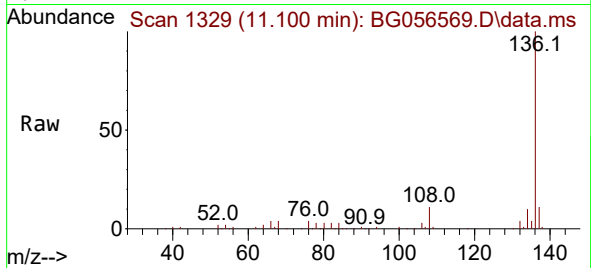




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.100 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG056569.D
Acq: 7 Feb 2023 15:59

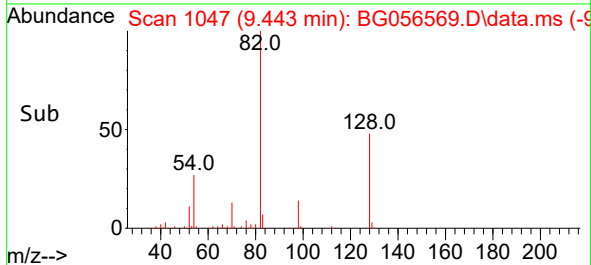
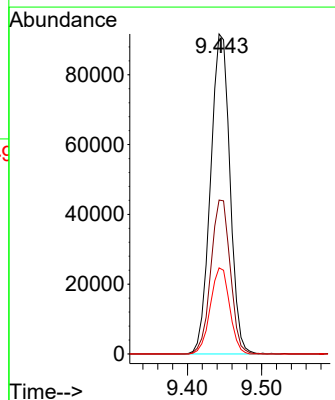
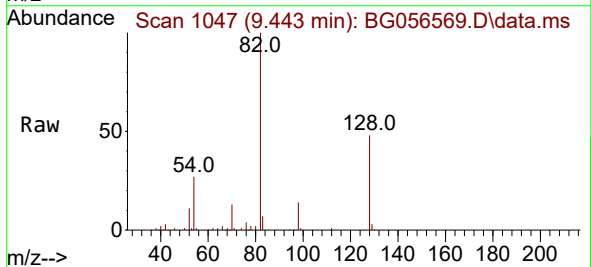
Instrument :
BNA_G
ClientSampleId :
COMP-5

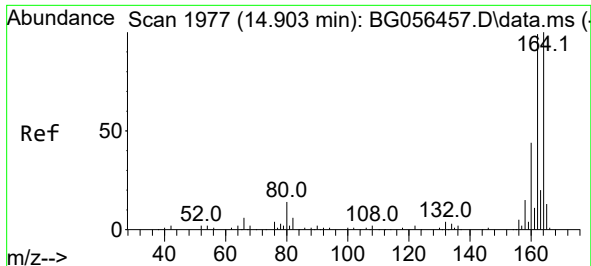
Tgt Ion:136 Resp: 142299
Ion Ratio Lower Upper
136 100
137 10.7 9.4 14.0
54 2.4 2.2 3.4
68 3.8 3.6 5.4



#23
Nitrobenzene-d5
Concen: 66.456 ng
RT: 9.443 min Scan# 1047
Delta R.T. -0.002 min
Lab File: BG056569.D
Acq: 7 Feb 2023 15:59

Tgt Ion: 82 Resp: 166535
Ion Ratio Lower Upper
82 100
128 48.1 39.4 59.2
54 26.9 21.4 32.2

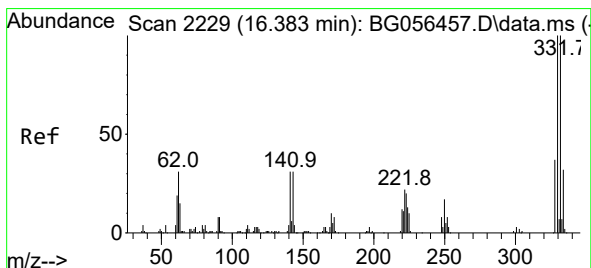
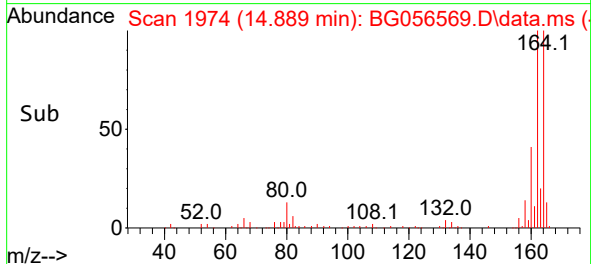
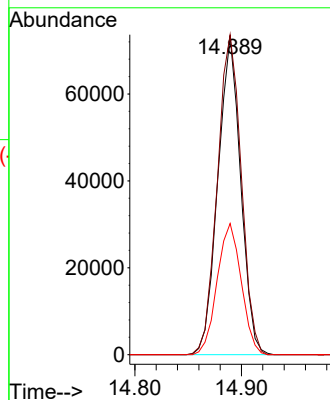
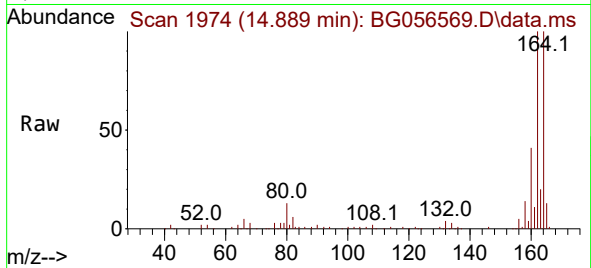




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.889 min Scan# 1977
Delta R.T. -0.002 min
Lab File: BG056569.D
Acq: 7 Feb 2023 15:59

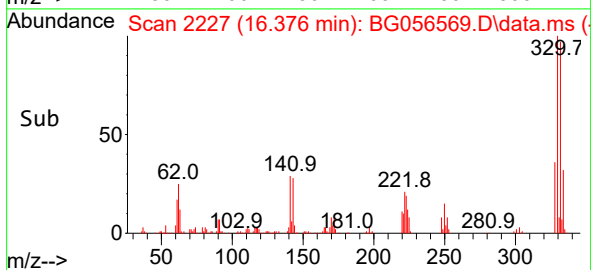
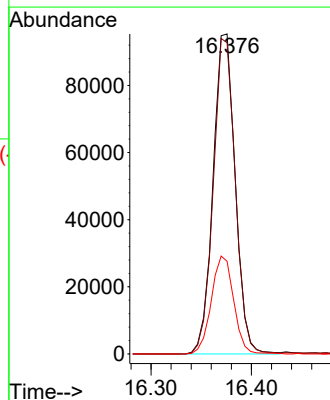
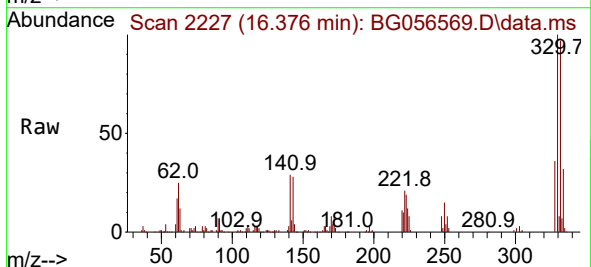
Instrument :
BNA_G
ClientSampleId :
COMP-5

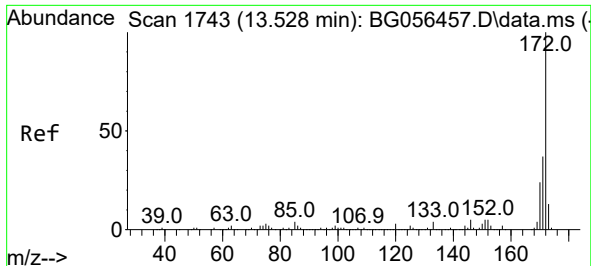
Tgt Ion:164 Resp: 108256
Ion Ratio Lower Upper
164 100
162 100.4 79.6 119.4
160 41.2 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 101.593 ng
RT: 16.376 min Scan# 2227
Delta R.T. -0.002 min
Lab File: BG056569.D
Acq: 7 Feb 2023 15:59

Tgt Ion:330 Resp: 146212
Ion Ratio Lower Upper
330 100
332 97.5 79.0 118.6
141 30.8 24.2 36.4

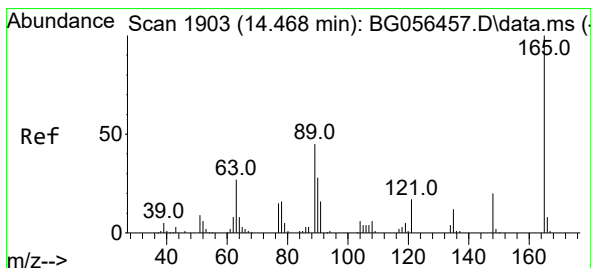
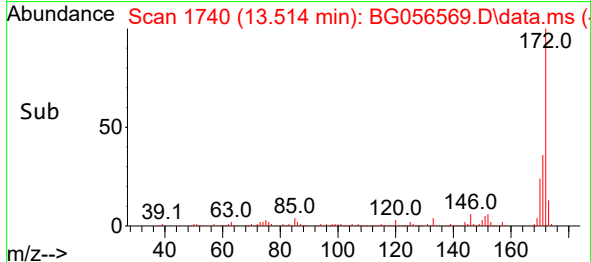
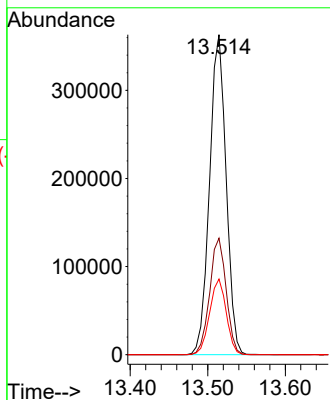
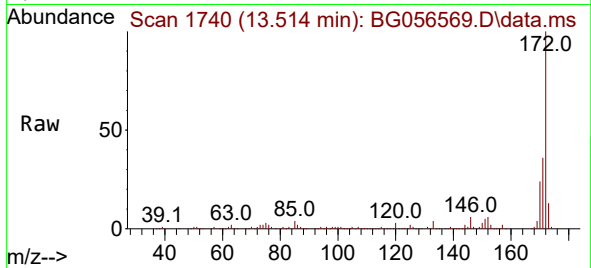




#45
2-Fluorobiphenyl
Concen: 68.986 ng
RT: 13.514 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG056569.D
Acq: 7 Feb 2023 15:59

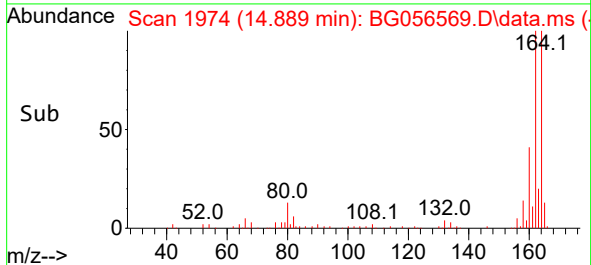
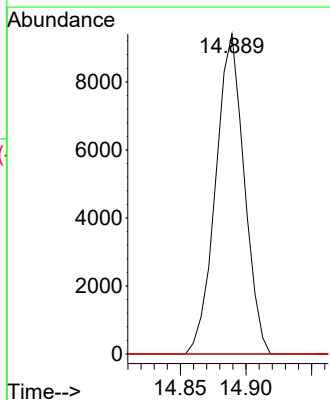
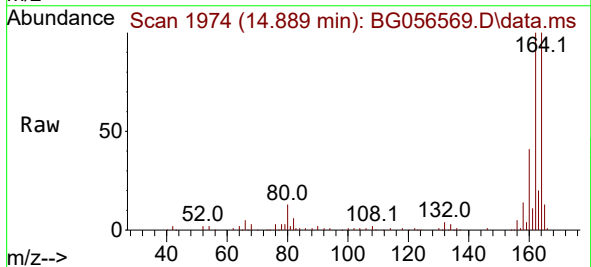
Instrument :
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ClientSampleId :
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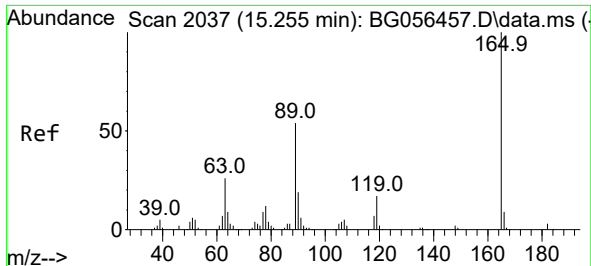
Tgt Ion:172 Resp: 538662
Ion Ratio Lower Upper
172 100
171 36.4 29.5 44.3
170 23.6 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 7.440 ng
RT: 14.889 min Scan# 1974
Delta R.T. 0.427 min
Lab File: BG056569.D
Acq: 7 Feb 2023 15:59

Tgt Ion:165 Resp: 14211
Ion Ratio Lower Upper
165 100
63 0.0 26.9 40.3#
89 0.0 35.6 53.4#





#57

2,4-Dinitrotoluene

Concen: 5.282 ng

RT: 14.889 min Scan# 14

Delta R.T. -0.360 min

Lab File: BG056569.D

Acq: 7 Feb 2023 15:59

Instrument :

BNA_G

ClientSampleId :

COMP-5

Tgt Ion:165 Resp: 14211

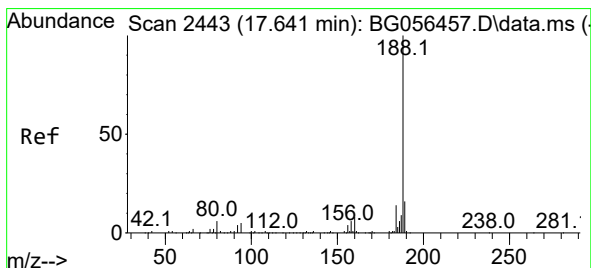
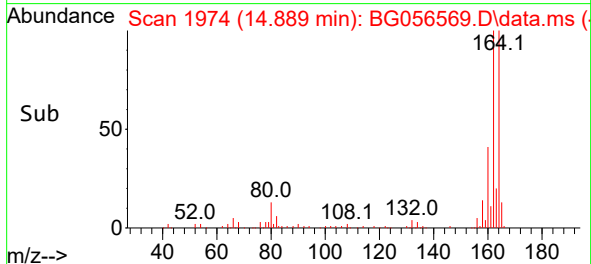
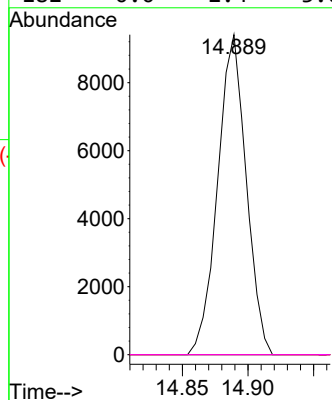
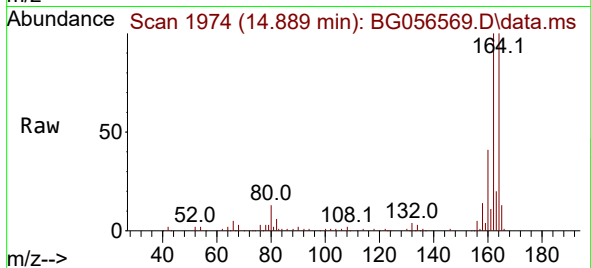
Ion Ratio Lower Upper

165 100

63 0.0 20.6 31.0#

89 0.0 43.1 64.7#

182 0.0 2.4 3.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.627 min Scan# 2440

Delta R.T. -0.002 min

Lab File: BG056569.D

Acq: 7 Feb 2023 15:59

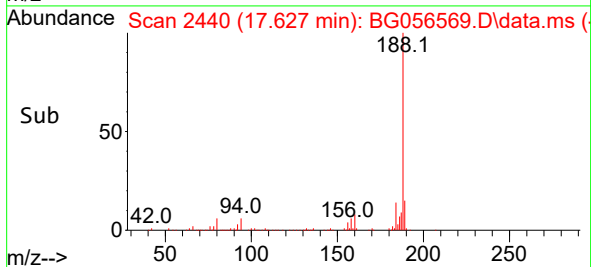
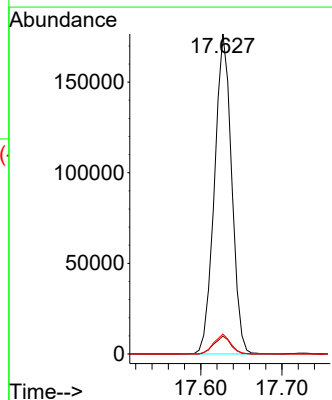
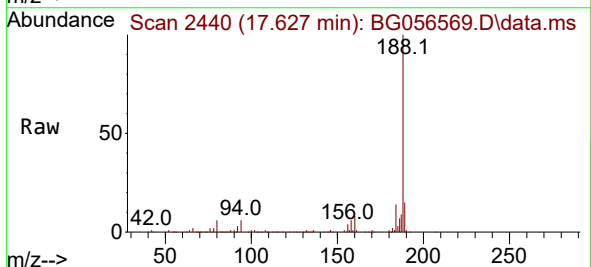
Tgt Ion:188 Resp: 259082

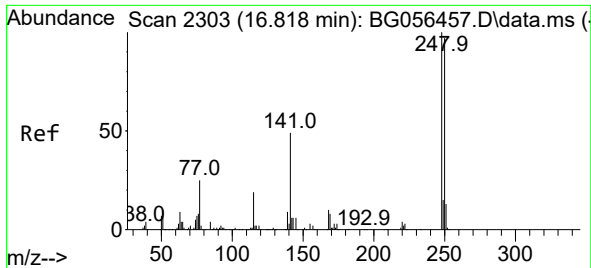
Ion Ratio Lower Upper

188 100

94 5.6 4.1 6.1

80 6.2 5.0 7.4

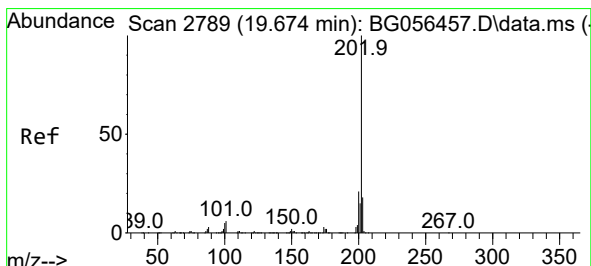
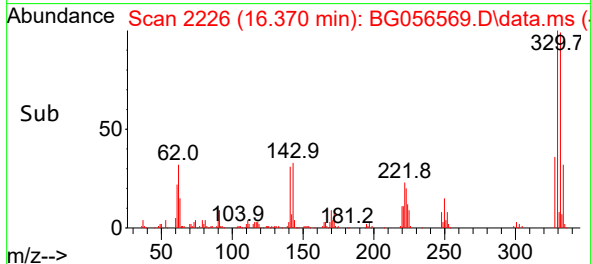
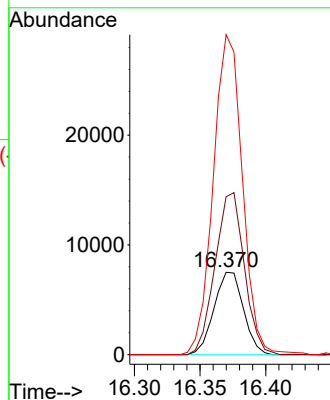
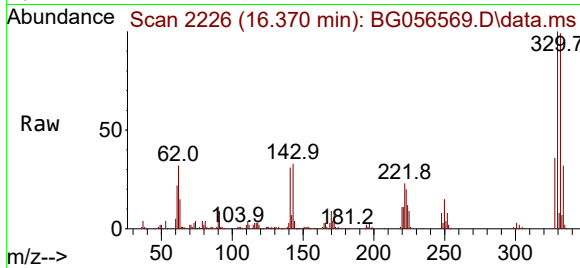




#67
4-Bromophenyl-phenylether
Concen: 3.523 ng
RT: 16.370 min Scan# 211
Delta R.T. -0.437 min
Lab File: BG056569.D
Acq: 7 Feb 2023 15:59

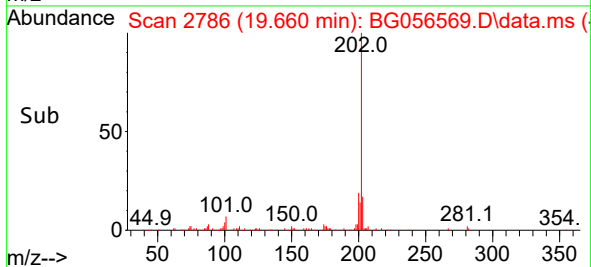
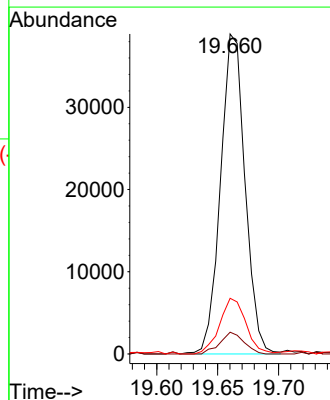
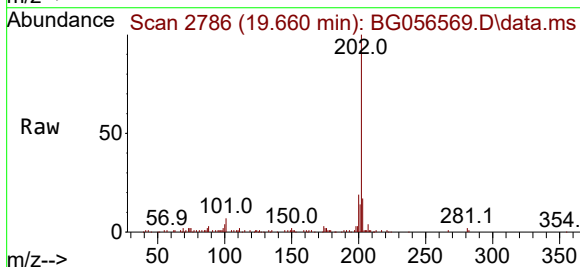
Instrument :
BNA_G
ClientSampleId :
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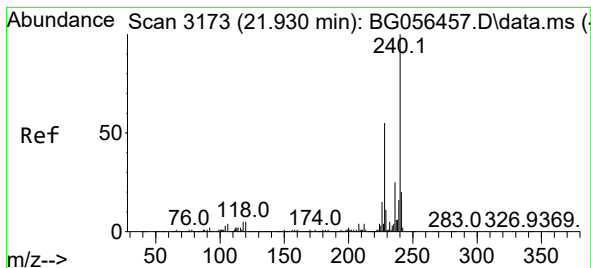
Tgt Ion:248 Resp: 11686
Ion Ratio Lower Upper
248 100
250 191.7 77.6 116.4#
141 388.2 39.0 58.4#



#75
Fluoranthene
Concen: 3.187 ng
RT: 19.660 min Scan# 2786
Delta R.T. -0.008 min
Lab File: BG056569.D
Acq: 7 Feb 2023 15:59

Tgt Ion:202 Resp: 54550
Ion Ratio Lower Upper
202 100
101 6.8 0.0 25.6
203 17.4 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.916 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG056569.D

Acq: 7 Feb 2023 15:59

Instrument :

BNA_G

ClientSampleId :

COMP-5

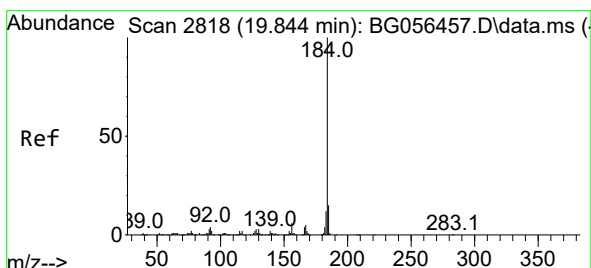
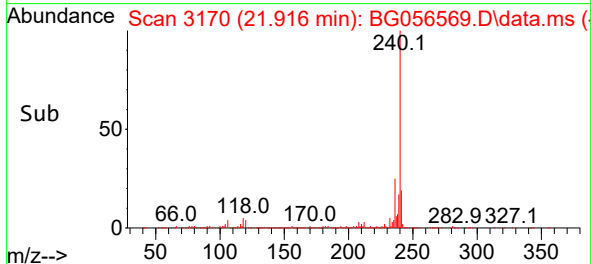
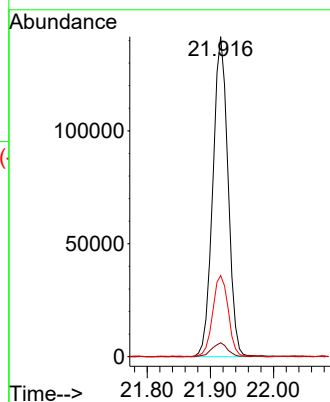
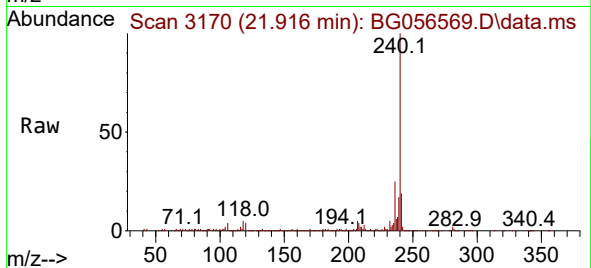
Tgt Ion:240 Resp: 236508

Ion Ratio Lower Upper

240 100

120 4.3 3.8 5.8

236 25.4 20.2 30.2



#77

Benzidine

Concen: 2.017 ng

RT: 20.201 min Scan# 2878

Delta R.T. 0.368 min

Lab File: BG056569.D

Acq: 7 Feb 2023 15:59

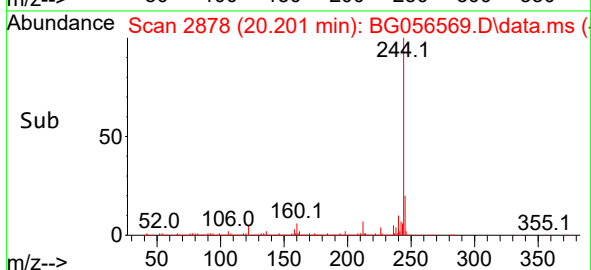
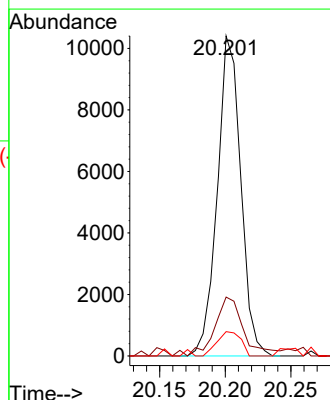
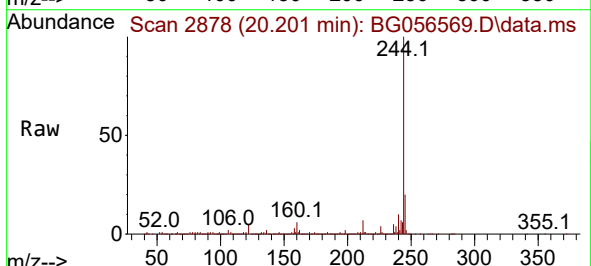
Tgt Ion:184 Resp: 12908

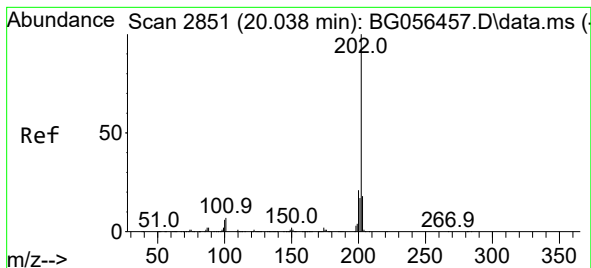
Ion Ratio Lower Upper

184 100

185 18.4 12.3 18.5

183 7.6 9.8 14.8#





#78

Pyrene

Concen: 3.241 ng

RT: 20.024 min Scan# 2848

Delta R.T. -0.002 min

Lab File: BG056569.D

Acq: 7 Feb 2023 15:59

Instrument :

BNA_G

ClientSampleId :

COMP-5

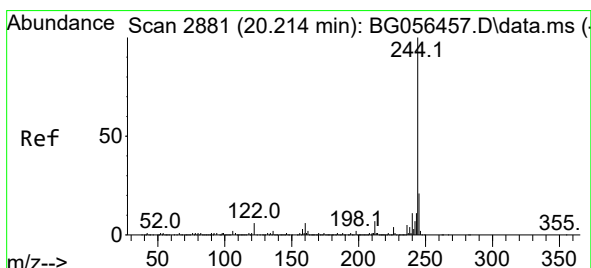
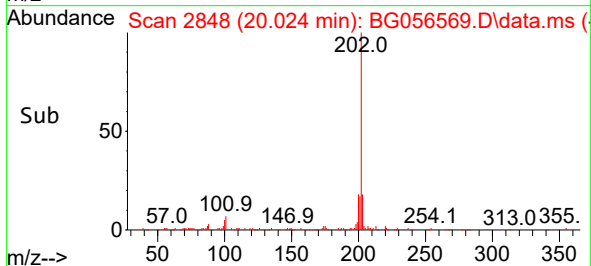
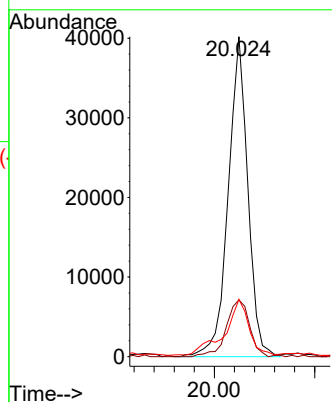
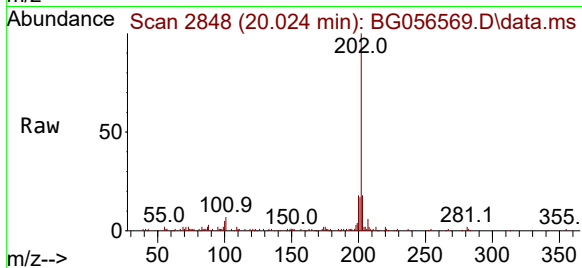
Tgt Ion:202 Resp: 54514

Ion Ratio Lower Upper

202 100

200 17.7 16.7 25.1

203 17.9 14.4 21.6



#79

Terphenyl-d14

Concen: 69.570 ng

RT: 20.207 min Scan# 2879

Delta R.T. -0.002 min

Lab File: BG056569.D

Acq: 7 Feb 2023 15:59

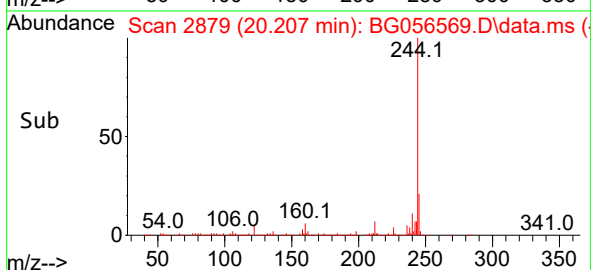
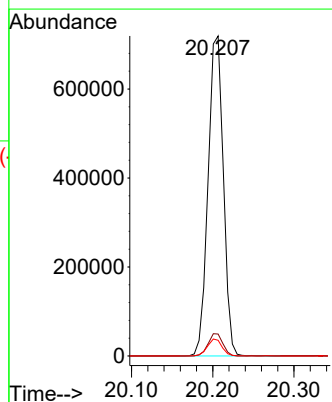
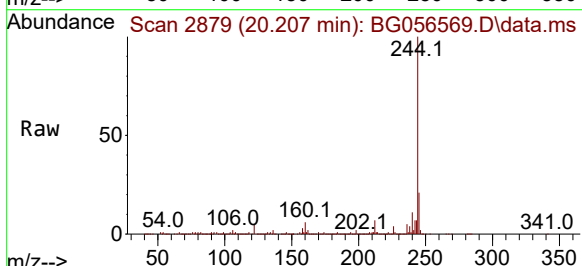
Tgt Ion:244 Resp: 936813

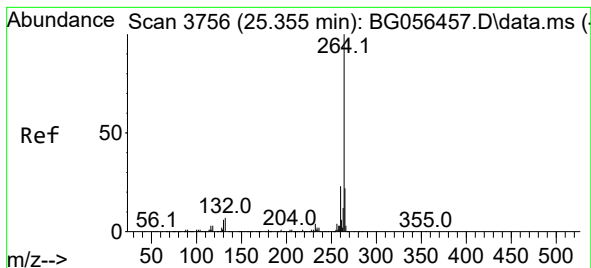
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 4.9 4.4 6.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.336 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG056569.D

Acq: 7 Feb 2023 15:59

Instrument :

BNA_G

ClientSampleId :

COMP-5

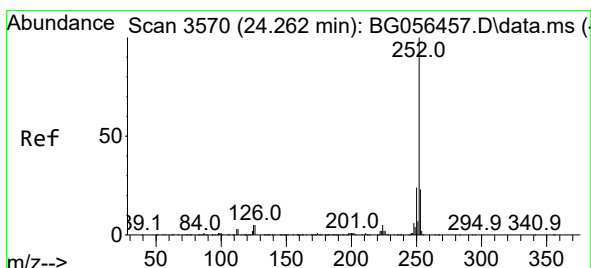
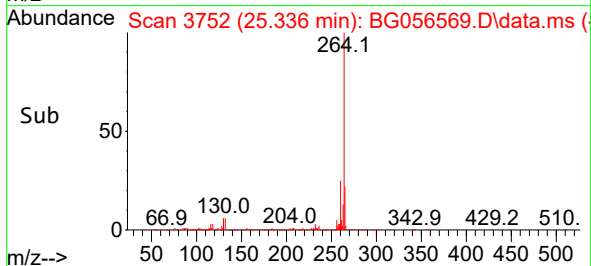
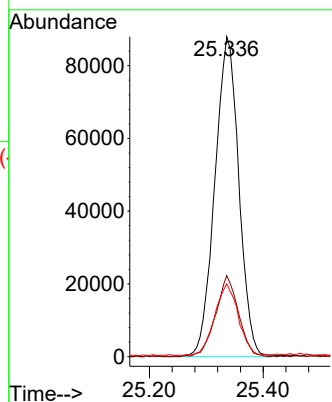
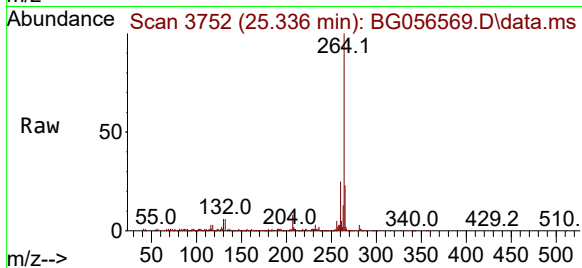
Tgt Ion:264 Resp: 257769

Ion Ratio Lower Upper

264 100

260 25.3 18.2 27.4

265 22.7 18.1 27.1



#88

Benzo(b)fluoranthene

Concen: 2.655 ng

RT: 24.249 min Scan# 3567

Delta R.T. -0.002 min

Lab File: BG056569.D

Acq: 7 Feb 2023 15:59

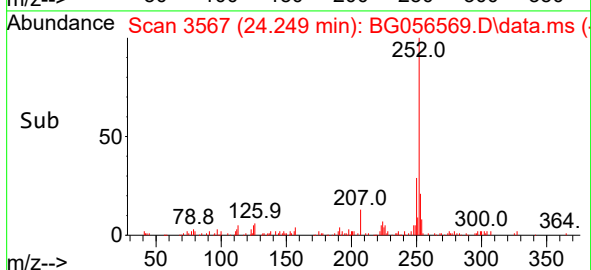
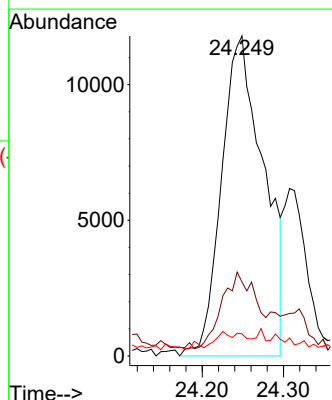
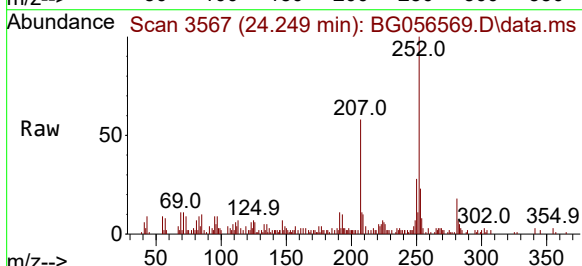
Tgt Ion:252 Resp: 42472

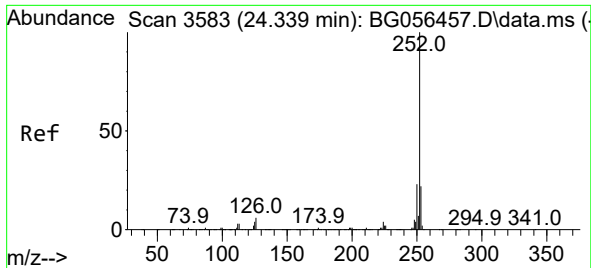
Ion Ratio Lower Upper

252 100

253 23.1 18.1 27.1

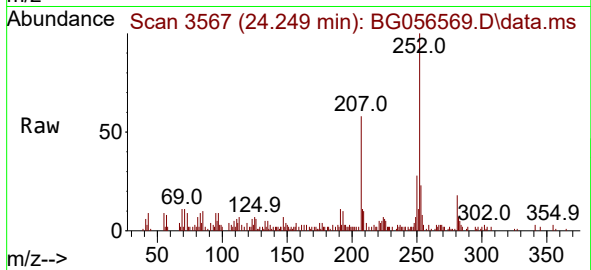
125 6.9 3.9 5.9#





#89
 Benzo(k)fluoranthene
 Concen: 2.629 ng
 RT: 24.249 min Scan# 31
 Delta R.T. -0.072 min
 Lab File: BG056569.D
 Acq: 7 Feb 2023 15:59

Instrument :
 BNA_G
 ClientSampleId :
 COMP-5



Tgt Ion:252 Resp: 42472
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.5 26.3
 125 6.9 3.4 5.0#

