

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
 Data File : BG057575.D
 Acq On : 26 May 2023 2:46
 Operator : CG/JU
 Sample : 02938-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-052423

Quant Time: May 26 03:50:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 02:58:05 2023
 Response via : Initial Calibration

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

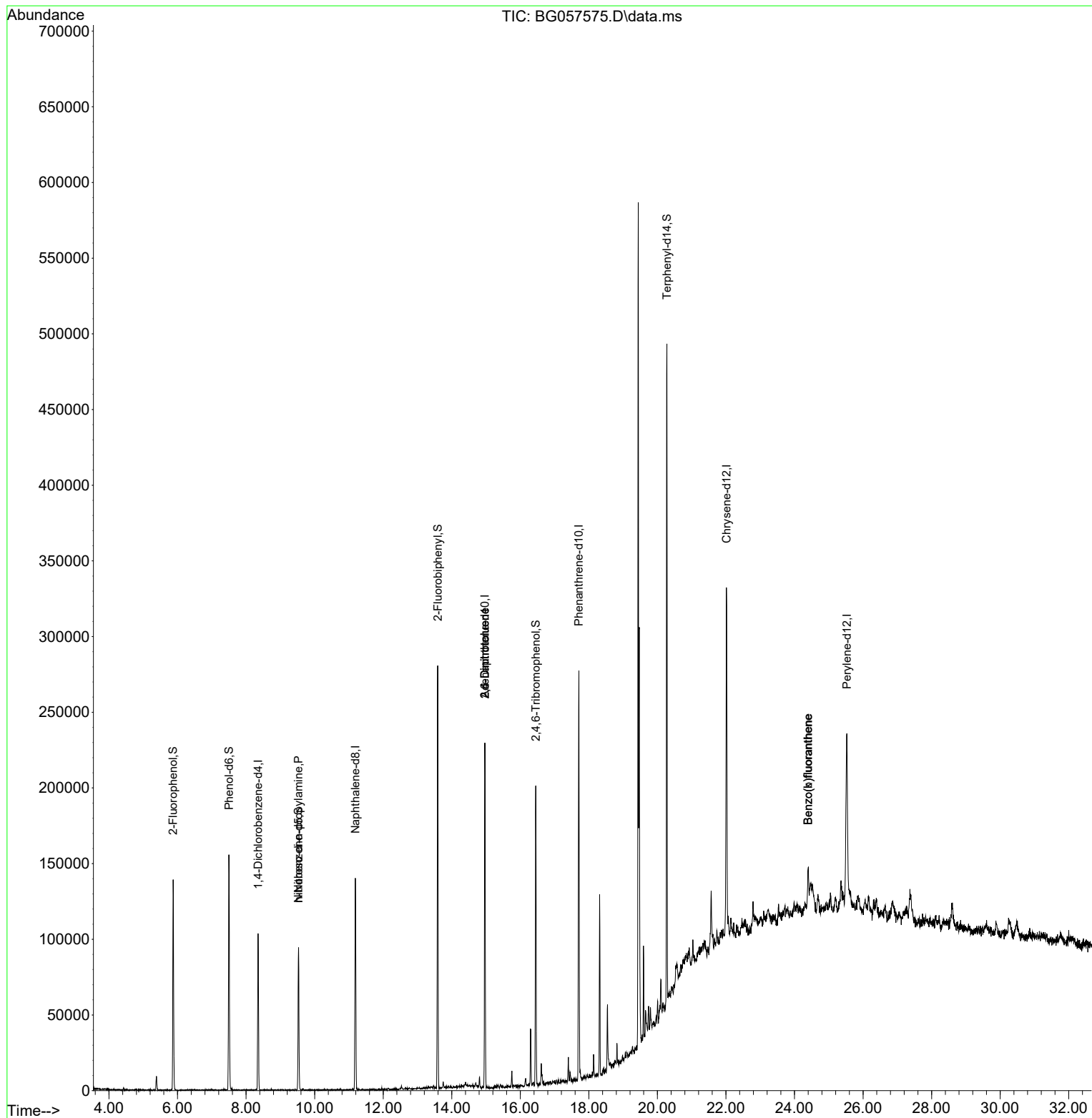
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.350	152	30577	20.000	ng	0.00
21) Naphthalene-d8	11.188	136	119133	20.000	ng	0.00
39) Acenaphthene-d10	14.965	164	81384	20.000	ng	0.00
64) Phenanthrene-d10	17.708	188	178090	20.000	ng	0.00
76) Chrysene-d12	22.014	240	152547	20.000	ng	0.00
86) Perylene-d12	25.527	264	165203	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.871	112	64111	35.866	ng	0.00
7) Phenol-d6	7.499	99	96946	35.716	ng	0.00
23) Nitrobenzene-d5	9.531	82	62320	21.955	ng	0.00
42) 2,4,6-Tribromophenol	16.451	330	41224	35.699	ng	0.00
45) 2-Fluorobiphenyl	13.590	172	149020	24.661	ng	0.00
79) Terphenyl-d14	20.275	244	224617	24.029	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.531	70	8588	4.149	ng	# 86
51) 2,6-Dinitrotoluene	14.965	165	10270	7.521	ng	# 17
57) 2,4-Dinitrotoluene	14.965	165	10270	5.263	ng	# 20
88) Benzo(b)fluoranthene	24.393	252	23451	2.172	ng	# 67
89) Benzo(k)fluoranthene	24.393	252	23451	2.137	ng	# 68

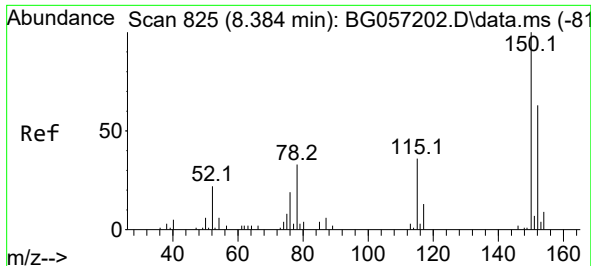
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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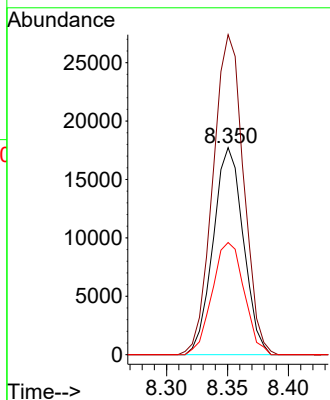
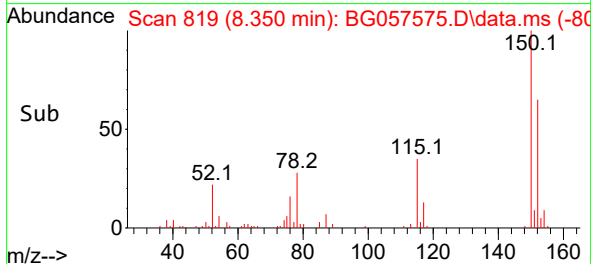
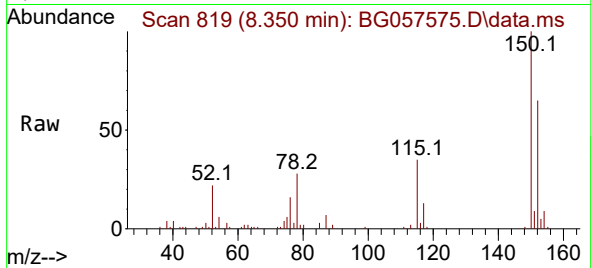




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.350 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG057575.D
Acq: 26 May 2023 2:46

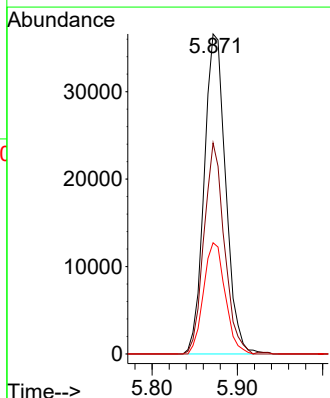
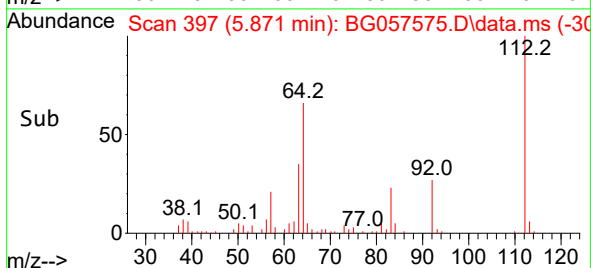
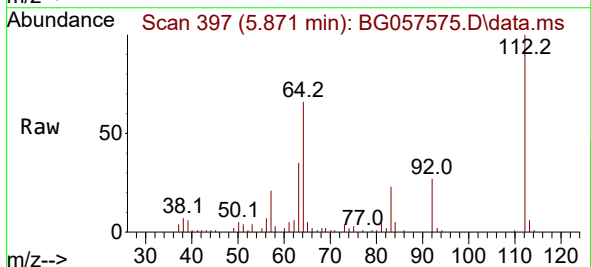
Instrument :
BNA_G
ClientSampleId :
SU-04-052423

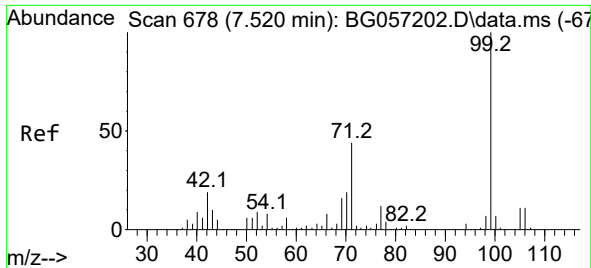
Tgt Ion:152 Resp: 30577
Ion Ratio Lower Upper
152 100
150 154.6 126.2 189.4
115 54.2 45.0 67.4



#5
2-Fluorophenol
Concen: 35.866 ng
RT: 5.871 min Scan# 397
Delta R.T. -0.001 min
Lab File: BG057575.D
Acq: 26 May 2023 2:46

Tgt Ion:112 Resp: 64111
Ion Ratio Lower Upper
112 100
64 65.9 49.4 74.2
63 34.7 31.6 47.4

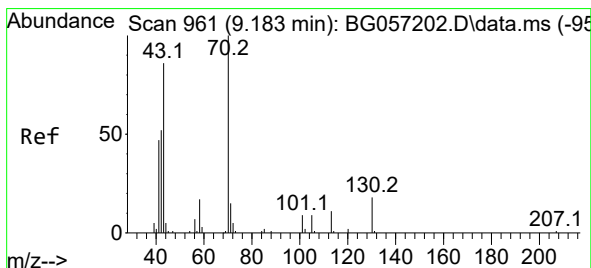
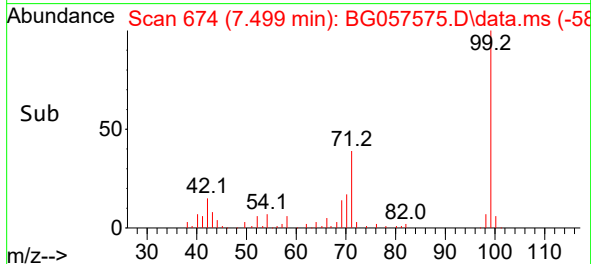
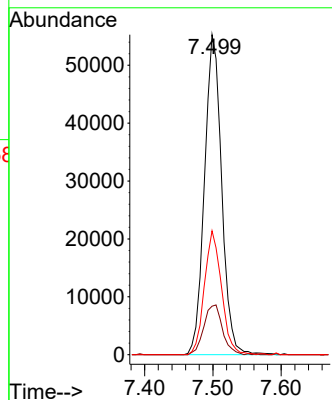
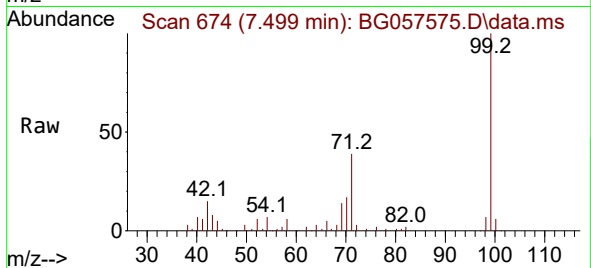




#7
Phenol-d6
Concen: 35.716 ng
RT: 7.499 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG057575.D
Acq: 26 May 2023 2:46

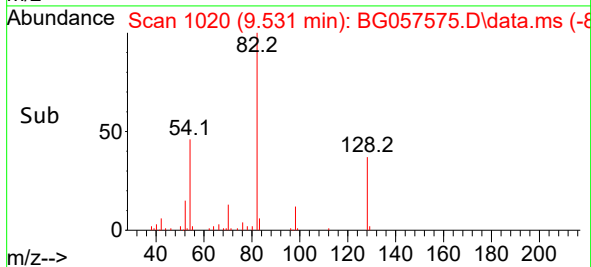
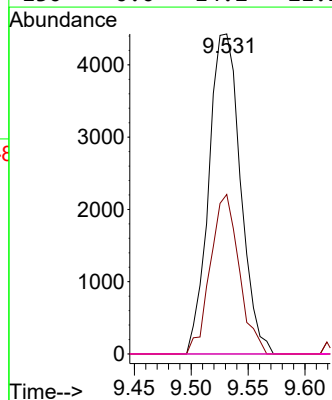
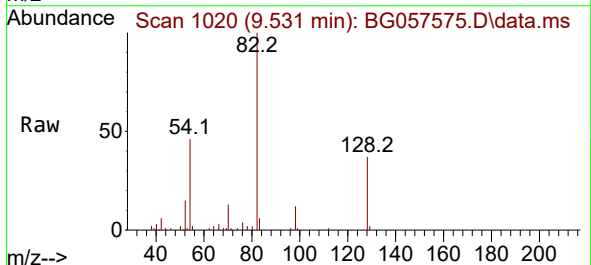
Instrument :
BNA_G
ClientSampleId :
SU-04-052423

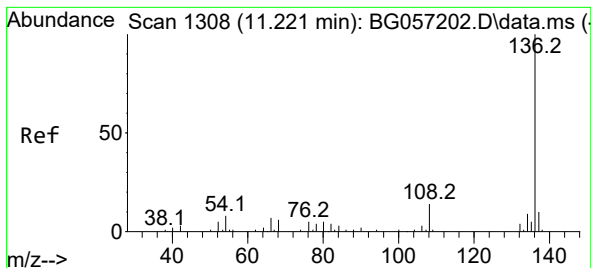
Tgt Ion: 99 Resp: 96946
Ion Ratio Lower Upper
99 100
42 15.1 15.1 22.7
71 38.7 35.2 52.8



#19
n-Nitroso-di-n-propylamine
Concen: 4.149 ng
RT: 9.531 min Scan# 1020
Delta R.T. 0.375 min
Lab File: BG057575.D
Acq: 26 May 2023 2:46

Tgt Ion: 70 Resp: 8588
Ion Ratio Lower Upper
70 100
42 49.9 41.8 62.8
101 0.0 6.8 10.2#
130 0.0 14.2 21.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.188 min Scan# 11

Delta R.T. -0.007 min

Lab File: BG057575.D

Acq: 26 May 2023 2:46

Instrument :

BNA_G

ClientSampleId :

SU-04-052423

Tgt Ion:136 Resp: 119133

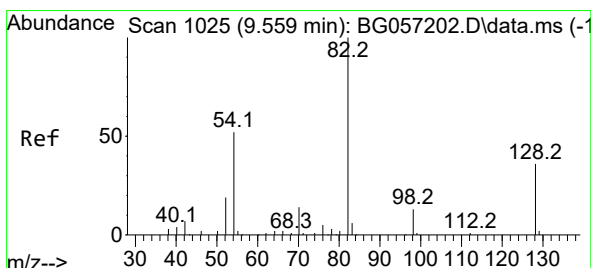
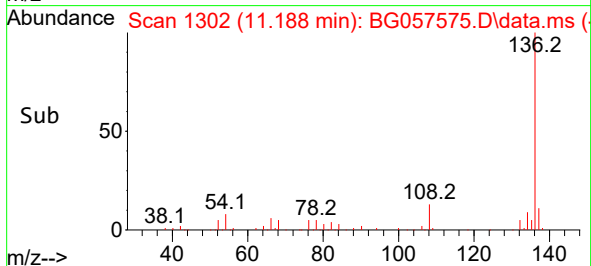
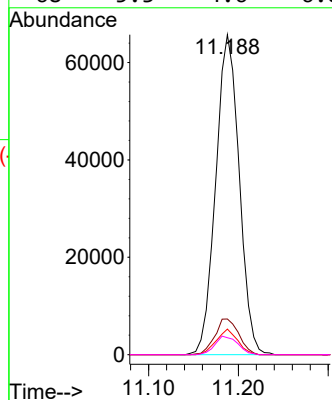
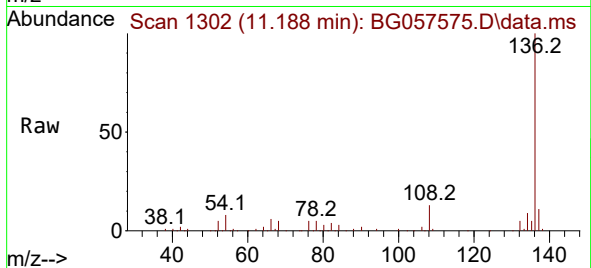
Ion Ratio Lower Upper

136 100

137 11.1 8.3 12.5

54 8.0 6.7 10.1

68 5.3 4.6 6.8



#23

Nitrobenzene-d5

Concen: 21.955 ng

RT: 9.531 min Scan# 1020

Delta R.T. -0.007 min

Lab File: BG057575.D

Acq: 26 May 2023 2:46

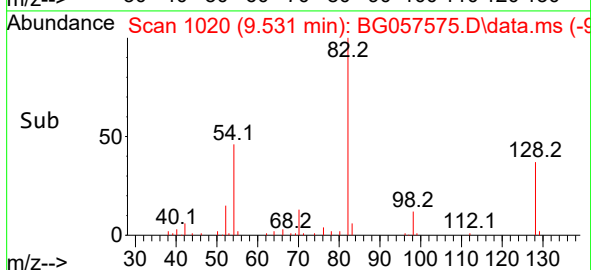
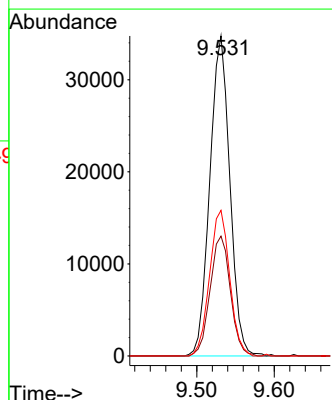
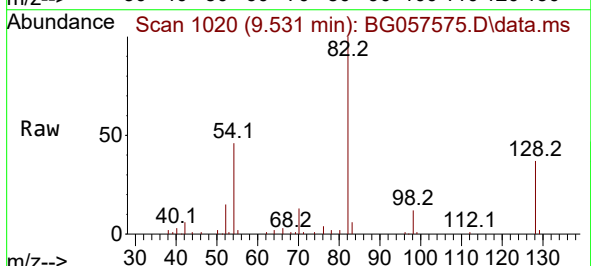
Tgt Ion: 82 Resp: 62320

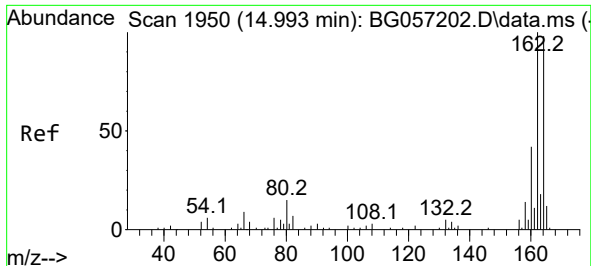
Ion Ratio Lower Upper

82 100

128 37.4 29.0 43.4

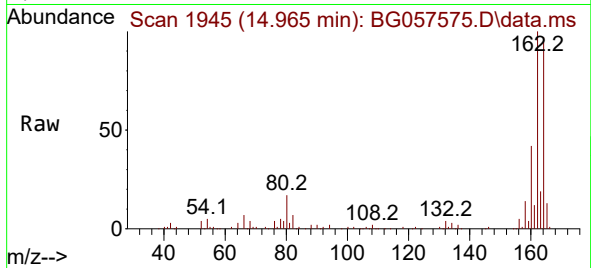
54 45.5 41.4 62.0



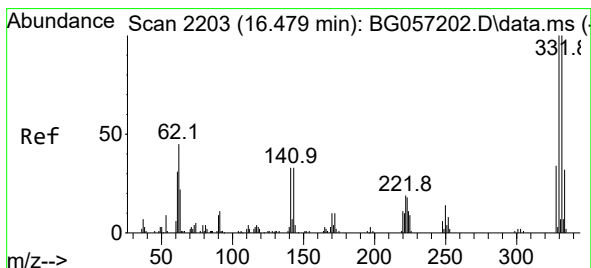
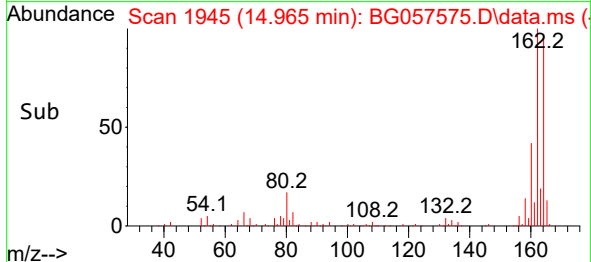
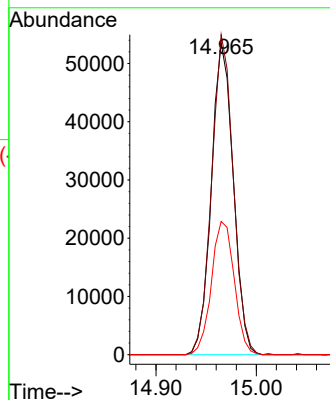


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.965 min Scan# 1945
Delta R.T. -0.007 min
Lab File: BG057575.D
Acq: 26 May 2023 2:46

Instrument :
BNA_G
ClientSampleId :
SU-04-052423

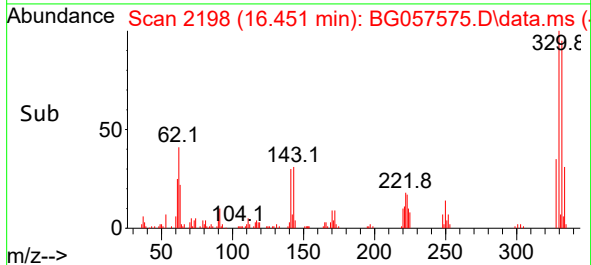
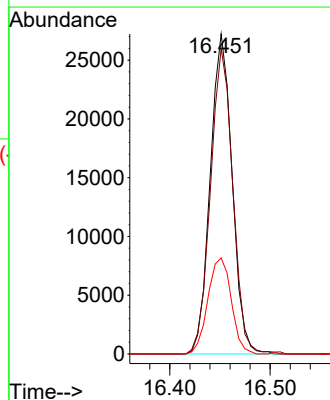
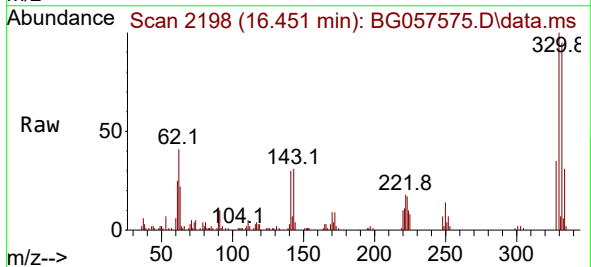


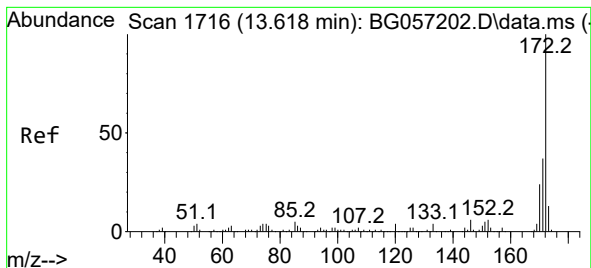
Tgt Ion:164 Resp: 81384
Ion Ratio Lower Upper
164 100
162 102.6 81.8 122.6
160 42.8 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 35.699 ng
RT: 16.451 min Scan# 2198
Delta R.T. -0.007 min
Lab File: BG057575.D
Acq: 26 May 2023 2:46

Tgt Ion:330 Resp: 41224
Ion Ratio Lower Upper
330 100
332 97.0 78.2 117.2
141 32.0 27.8 41.8

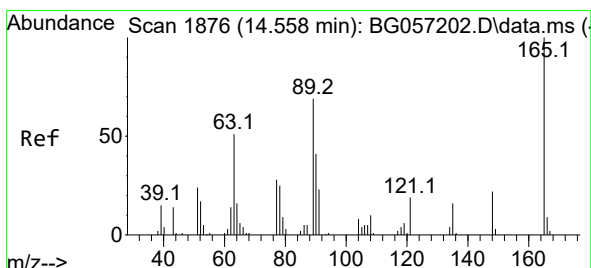
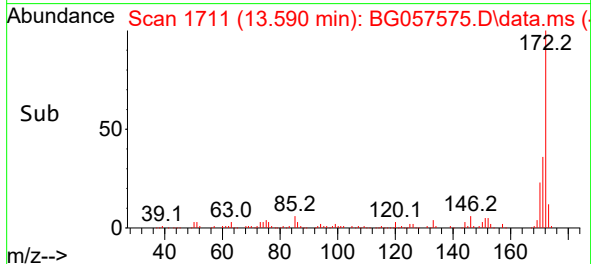
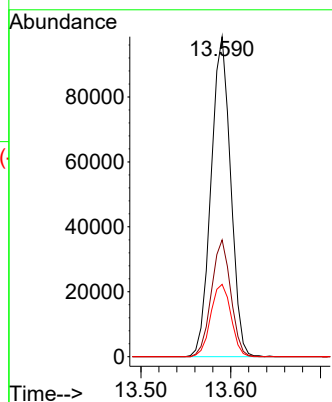
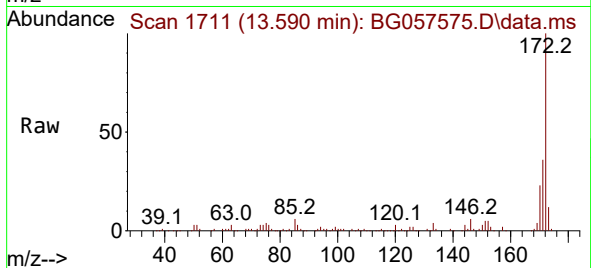




#45
2-Fluorobiphenyl
Concen: 24.661 ng
RT: 13.590 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG057575.D
Acq: 26 May 2023 2:46

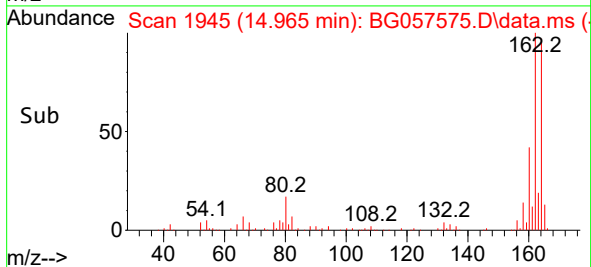
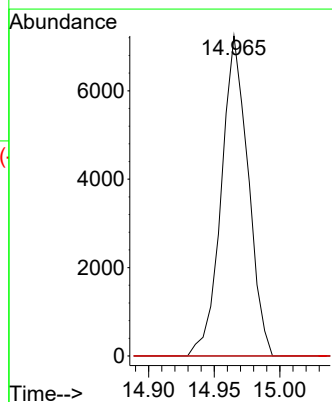
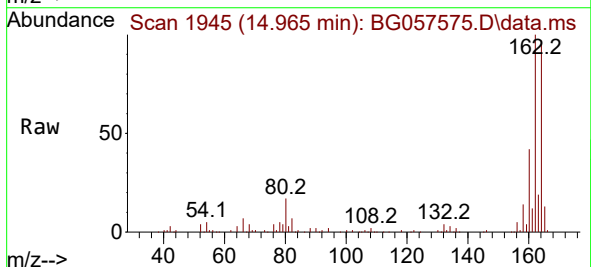
Instrument :
BNA_G
ClientSampleId :
SU-04-052423

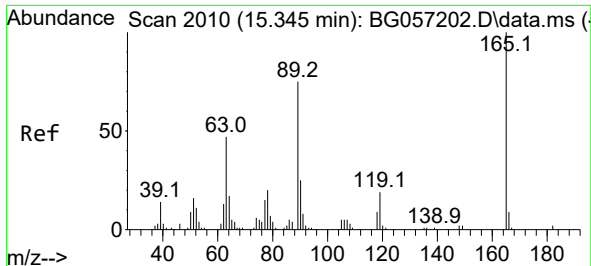
Tgt Ion:172 Resp: 149020
Ion Ratio Lower Upper
172 100
171 36.5 29.4 44.0
170 22.6 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 7.521 ng
RT: 14.965 min Scan# 1945
Delta R.T. 0.422 min
Lab File: BG057575.D
Acq: 26 May 2023 2:46

Tgt Ion:165 Resp: 10270
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#





#57

2,4-Dinitrotoluene

Concen: 5.263 ng

RT: 14.965 min Scan# 1945

Delta R.T. -0.365 min

Lab File: BG057575.D

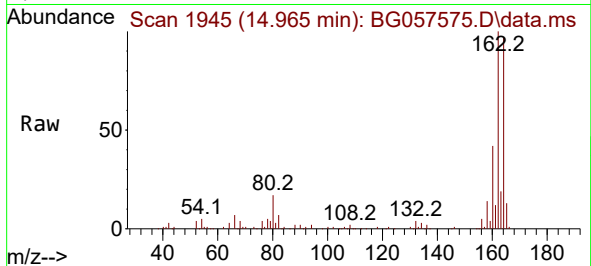
Acq: 26 May 2023 2:46

Instrument :

BNA_G

ClientSampleId :

SU-04-052423



Tgt Ion:165 Resp: 10270

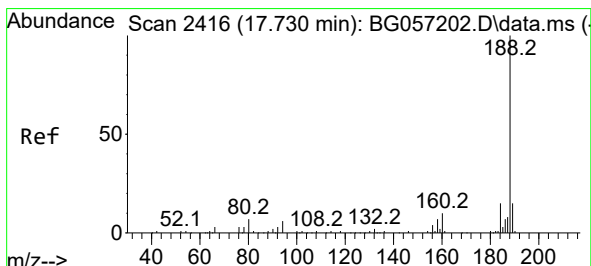
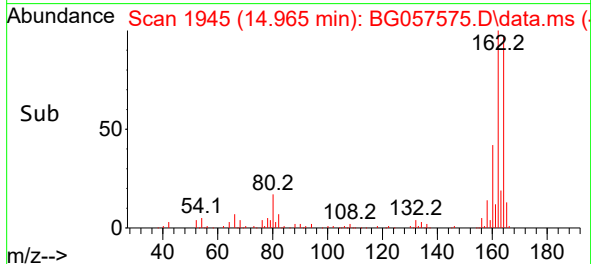
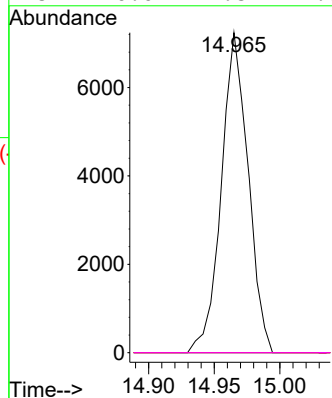
Ion Ratio Lower Upper

165 100

63 0.0 37.5 56.3#

89 0.0 60.2 90.4#

182 0.0 1.8 2.8#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.708 min Scan# 2412

Delta R.T. -0.001 min

Lab File: BG057575.D

Acq: 26 May 2023 2:46

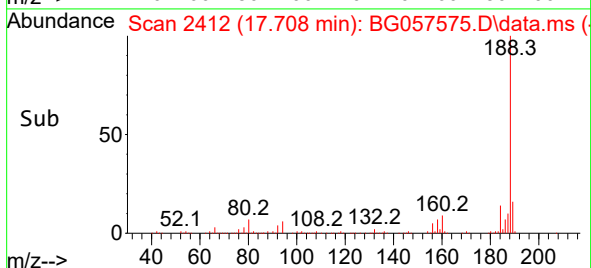
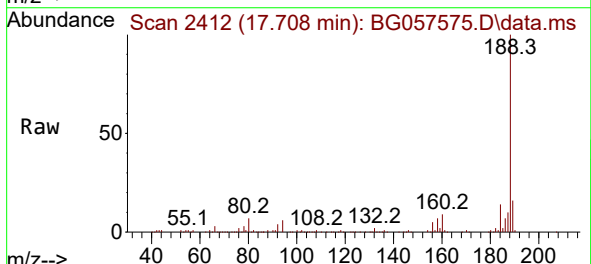
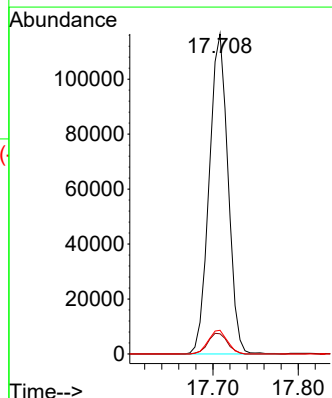
Tgt Ion:188 Resp: 178090

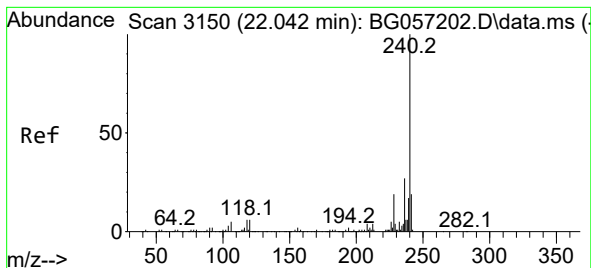
Ion Ratio Lower Upper

188 100

94 6.3 5.1 7.7

80 7.4 5.7 8.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.014 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG057575.D

Acq: 26 May 2023 2:46

Instrument :

BNA_G

ClientSampleId :

SU-04-052423

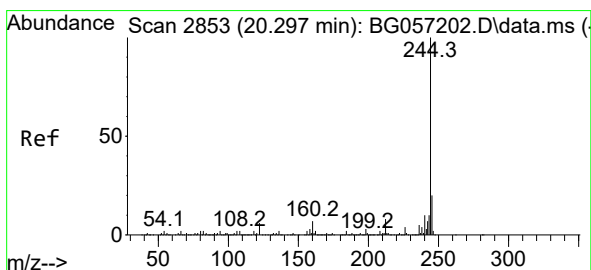
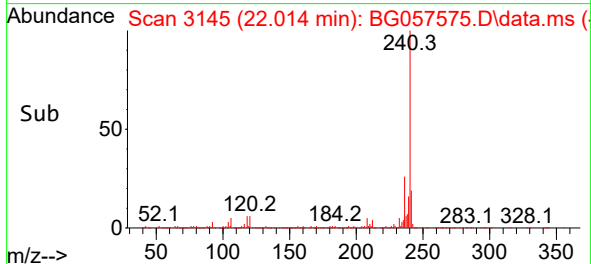
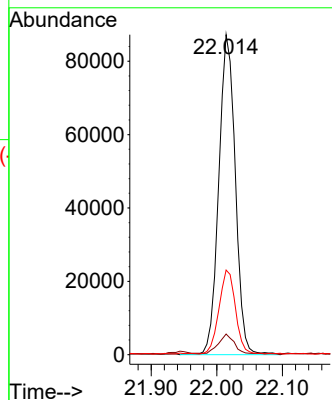
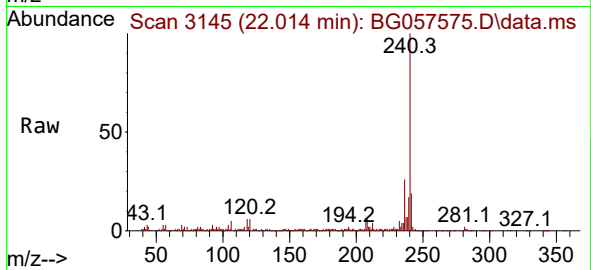
Tgt Ion:240 Resp: 152547

Ion Ratio Lower Upper

240 100

120 6.4 4.9 7.3

236 26.5 21.4 32.2



#79

Terphenyl-d14

Concen: 24.029 ng

RT: 20.275 min Scan# 2849

Delta R.T. -0.001 min

Lab File: BG057575.D

Acq: 26 May 2023 2:46

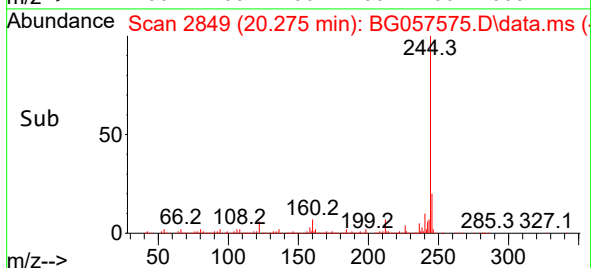
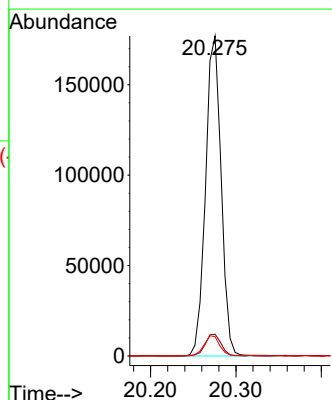
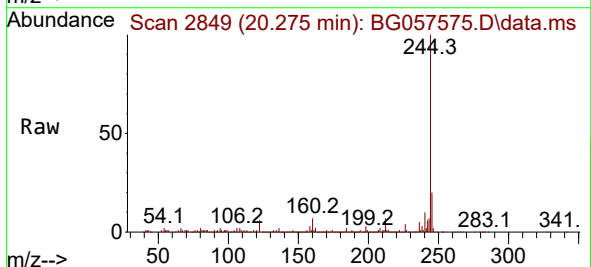
Tgt Ion:244 Resp: 224617

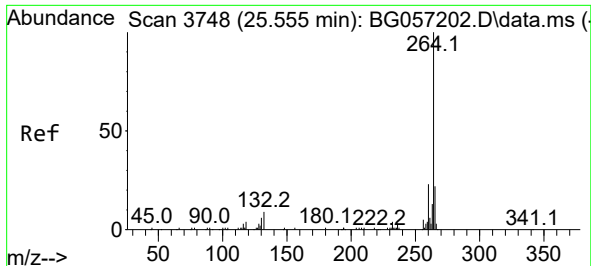
Ion Ratio Lower Upper

244 100

212 6.8 6.1 9.1

122 6.1 5.1 7.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.527 min Scan# 31

Delta R.T. 0.005 min

Lab File: BG057575.D

Acq: 26 May 2023 2:46

Instrument :

BNA_G

ClientSampleId :

SU-04-052423

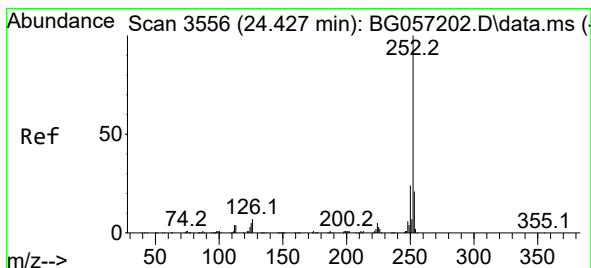
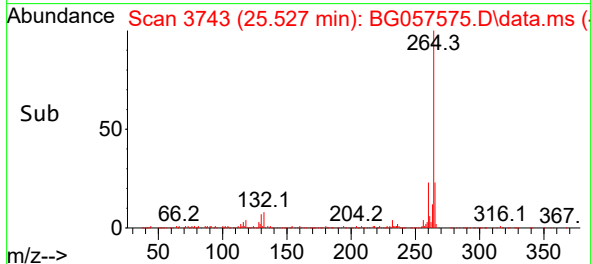
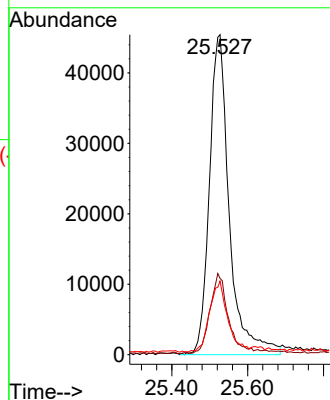
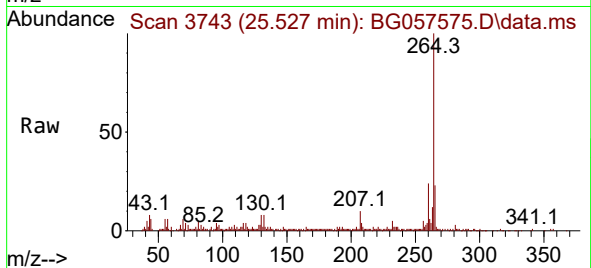
Tgt Ion:264 Resp: 165203

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 23.0 17.9 26.9



#88

Benzo(b)fluoranthene

Concen: 2.172 ng

RT: 24.393 min Scan# 3550

Delta R.T. -0.007 min

Lab File: BG057575.D

Acq: 26 May 2023 2:46

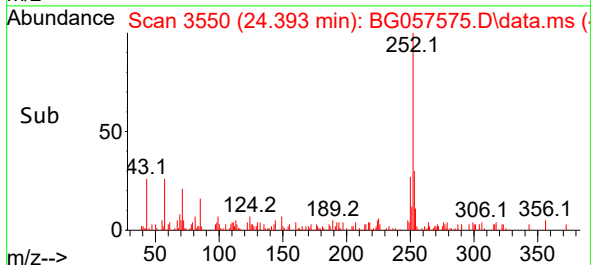
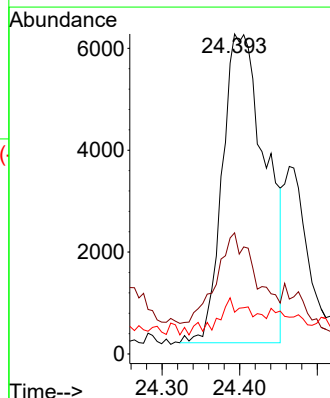
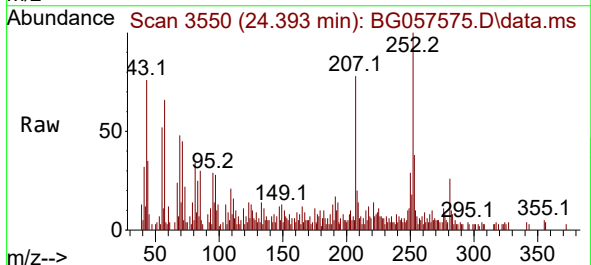
Tgt Ion:252 Resp: 23451

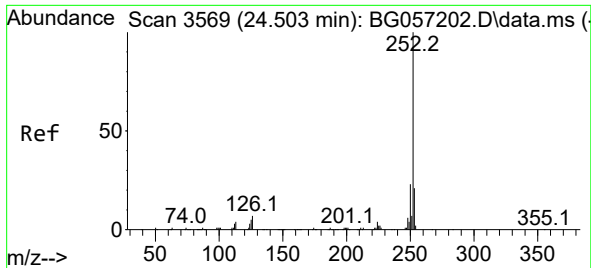
Ion Ratio Lower Upper

252 100

253 37.8 17.0 25.6#

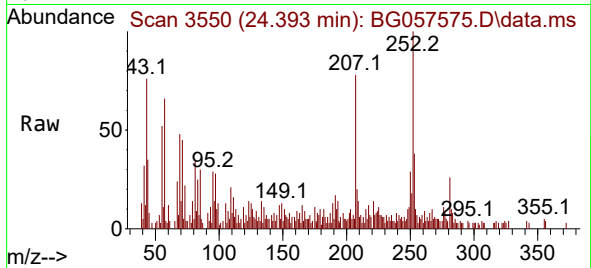
125 13.0 4.2 6.2#





#89
Benzo(k)fluoranthene
Concen: 2.137 ng
RT: 24.393 min Scan# 31
Delta R.T. -0.077 min
Lab File: BG057575.D
Acq: 26 May 2023 2:46

Instrument :
BNA_G
ClientSampleId :
SU-04-052423



Tgt Ion:252 Resp: 23451
Ion Ratio Lower Upper
252 100
253 37.8 17.4 26.0#
125 13.0 4.1 6.1#

