

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112922\
 Data File : BG055837.D
 Acq On : 29 Nov 2022 20:50
 Operator : CG/JU
 Sample : N5787-03 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-1-STOCK

Quant Time: Nov 30 02:06:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 30 02:01:09 2022
 Response via : Initial Calibration

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

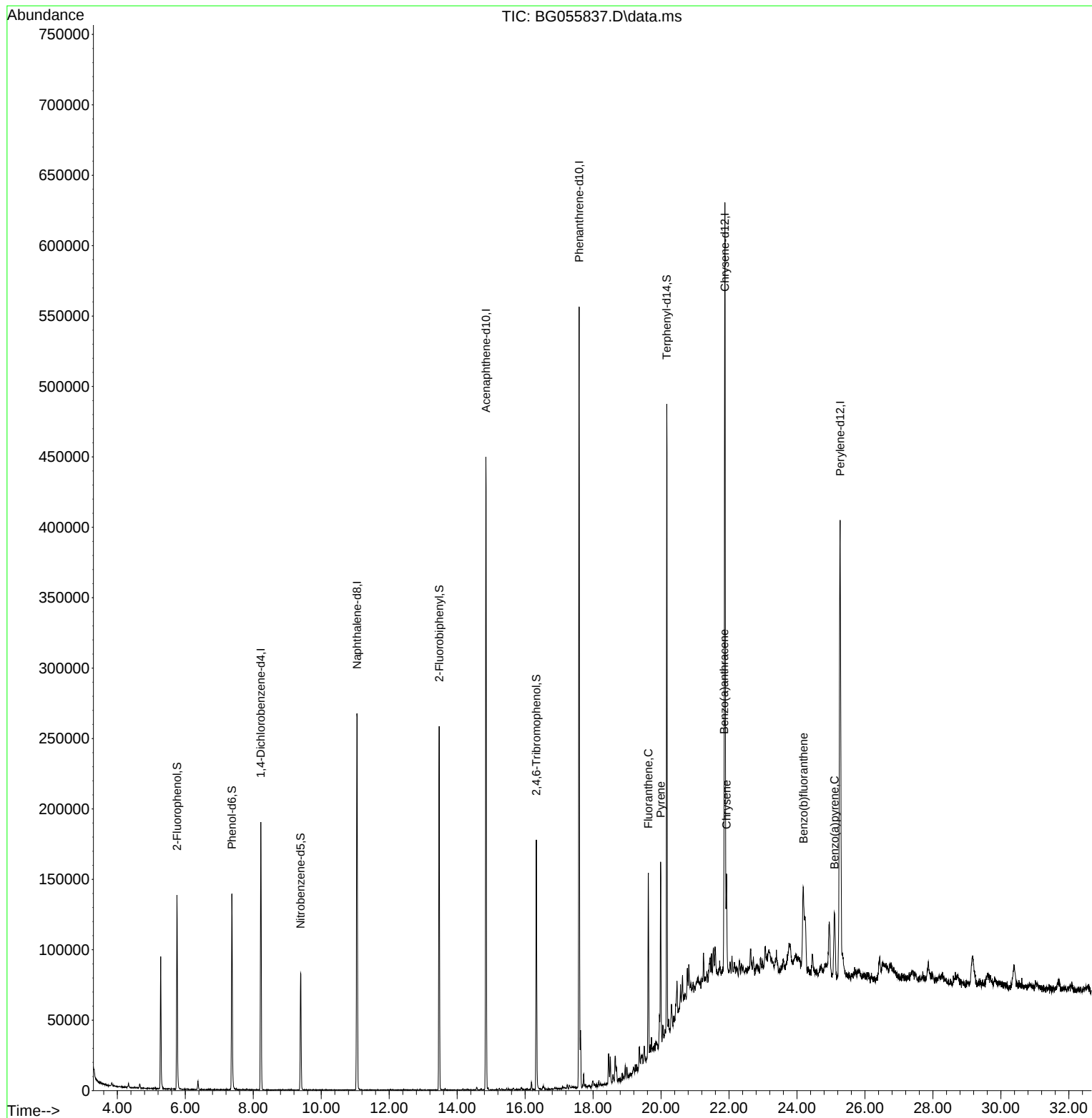
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.224	152	56972	20.000	ng	0.00
21) Naphthalene-d8	11.050	136	236602	20.000	ng	0.00
39) Acenaphthene-d10	14.846	164	163105	20.000	ng	0.00
64) Phenanthrene-d10	17.590	188	353073	20.000	ng	0.00
76) Chrysene-d12	21.879	240	331411	20.000	ng	0.00
86) Perylene-d12	25.269	264	354790	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.757	112	62568	19.851	ng	0.00
7) Phenol-d6	7.372	99	83558	19.915	ng	0.00
23) Nitrobenzene-d5	9.394	82	51553	11.516	ng	0.00
42) 2,4,6-Tribromophenol	16.333	330	39903	17.374	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	134911	12.392	ng	0.00
79) Terphenyl-d14	20.169	244	223534	13.491	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	19.629	202	84070	3.627	ng	98
78) Pyrene	19.987	202	81254	3.622	ng	99
81) Benzo(a)anthracene	21.855	228	56619	2.480	ng	98
83) Chrysene	21.926	228	54451	2.506	ng	97
88) Benzo(b)fluoranthene	24.188	252	75742	3.278	ng	97
90) Benzo(a)pyrene	25.105	252	54085	2.728	ng	# 93

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

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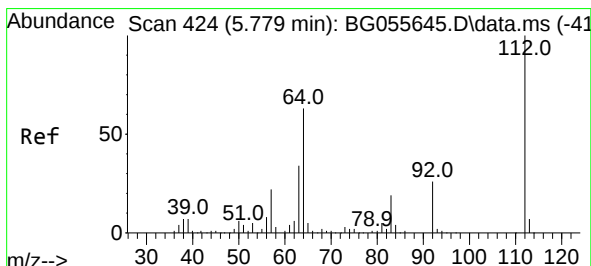
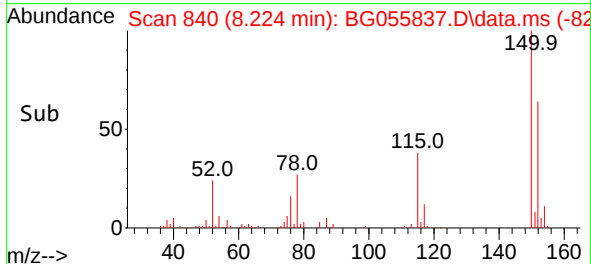
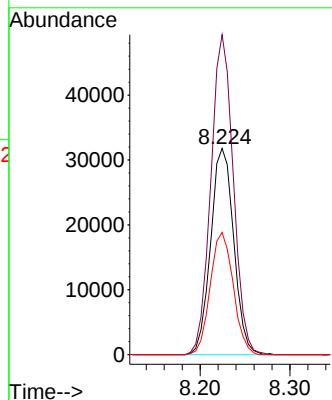
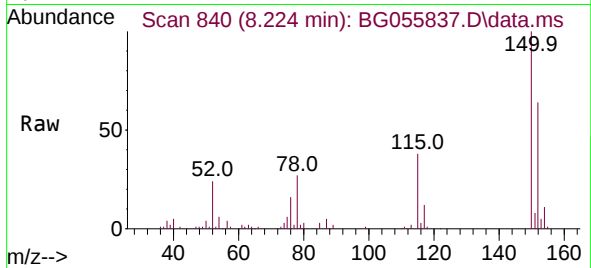




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.224 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG055837.D
Acq: 29 Nov 2022 20:50

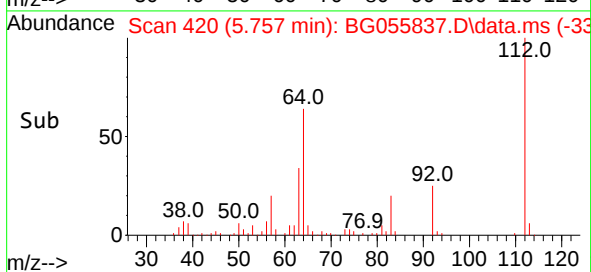
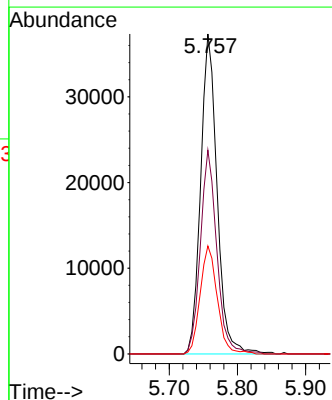
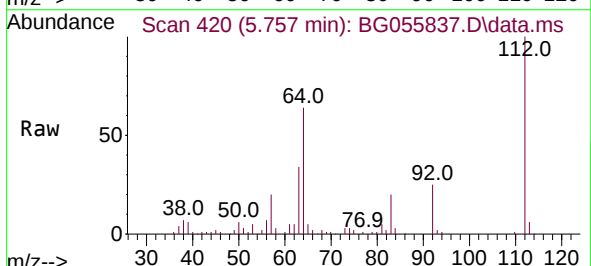
Instrument :
BNA_G
ClientSampleId :
SB-1-STOCK

Tgt Ion:152 Resp: 56972
Ion Ratio Lower Upper
152 100
150 155.2 123.0 184.6
115 59.3 47.0 70.4



#5
2-Fluorophenol
Concen: 19.851 ng
RT: 5.757 min Scan# 420
Delta R.T. -0.001 min
Lab File: BG055837.D
Acq: 29 Nov 2022 20:50

Tgt Ion:112 Resp: 62568
Ion Ratio Lower Upper
112 100
64 63.7 50.6 76.0
63 33.7 27.5 41.3

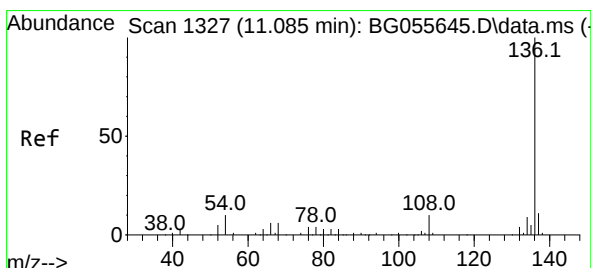
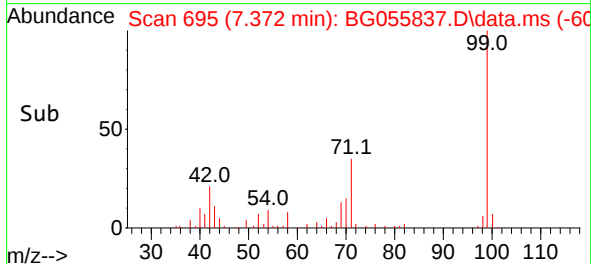
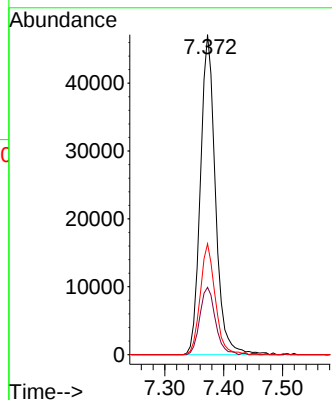
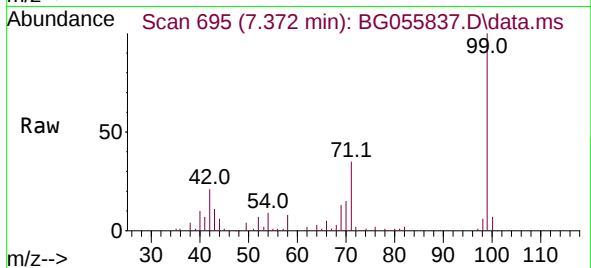




#7
Phenol-d6
Concen: 19.915 ng
RT: 7.372 min Scan# 698
Delta R.T. -0.001 min
Lab File: BG055837.D
Acq: 29 Nov 2022 20:50

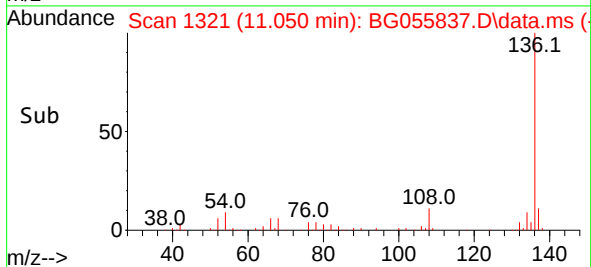
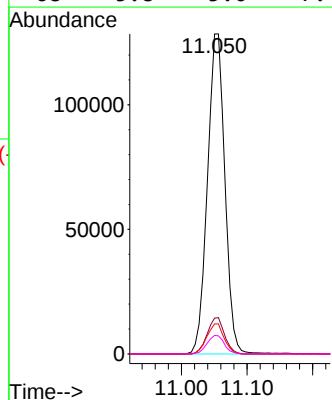
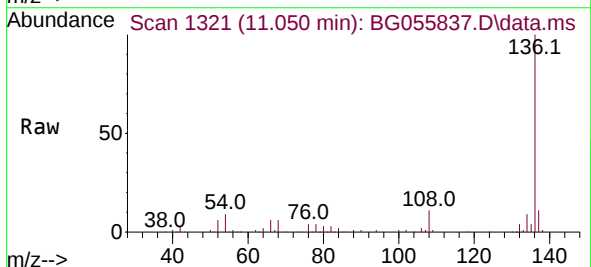
Instrument :
BNA_G
ClientSampleId :
SB-1-STOCK

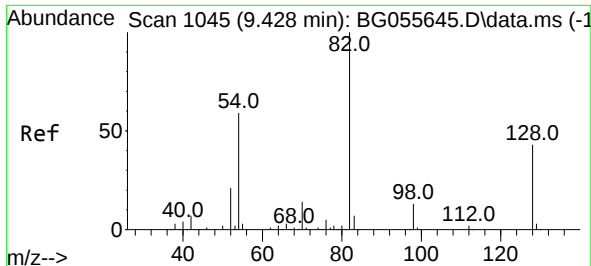
Tgt Ion: 99	Resp: 83558
Ion Ratio	Lower Upper
99 100	
42 21.1	18.0 27.0
71 34.6	29.0 43.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.050 min Scan# 1321
Delta R.T. -0.007 min
Lab File: BG055837.D
Acq: 29 Nov 2022 20:50

Tgt Ion: 136	Resp: 236602
Ion Ratio	Lower Upper
136 100	
137 11.2	9.0 13.6
54 9.4	7.8 11.6
68 5.8	5.0 7.4





#23

Nitrobenzene-d5

Concen: 11.516 ng

RT: 9.394 min Scan# 1045

Delta R.T. -0.007 min

Lab File: BG055837.D

Acq: 29 Nov 2022 20:50

Instrument :

BNA_G

ClientSampleId :

SB-1-STOCK

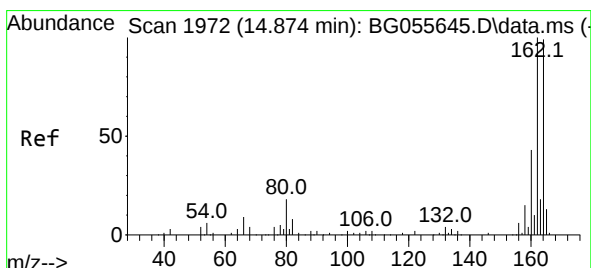
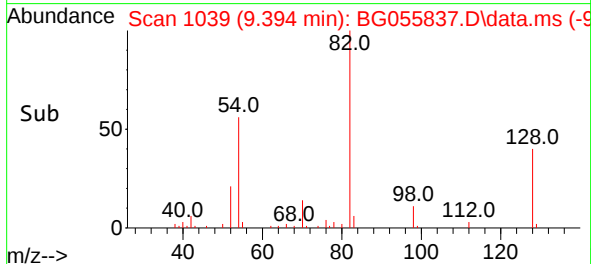
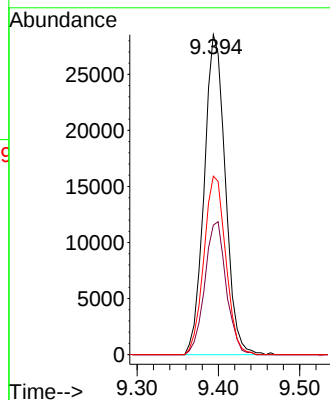
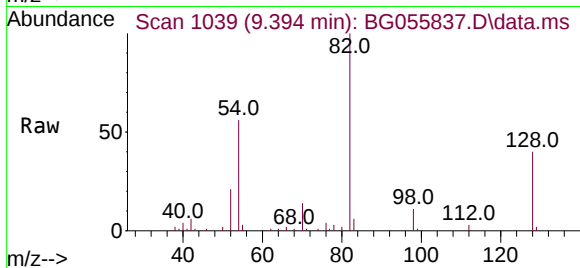
Tgt Ion: 82 Resp: 51553

Ion Ratio Lower Upper

82 100

128 40.5 34.1 51.1

54 55.8 47.3 70.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.846 min Scan# 1967

Delta R.T. -0.007 min

Lab File: BG055837.D

Acq: 29 Nov 2022 20:50

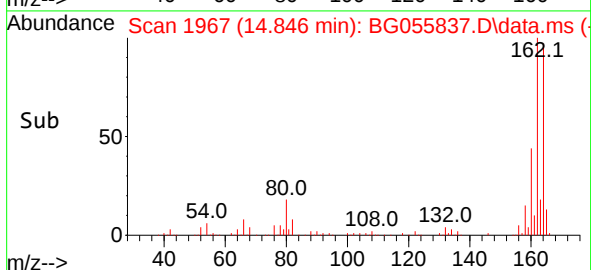
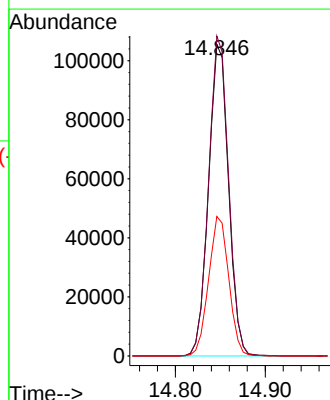
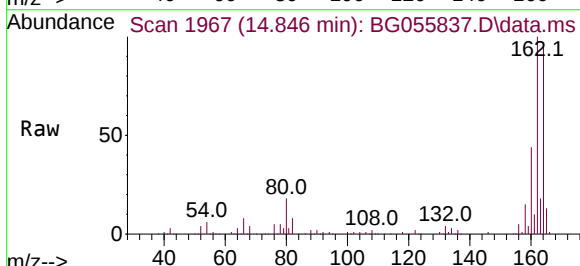
Tgt Ion:164 Resp: 163105

Ion Ratio Lower Upper

164 100

162 102.7 81.1 121.7

160 44.7 34.8 52.2

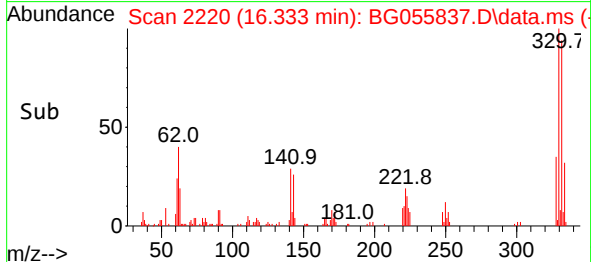
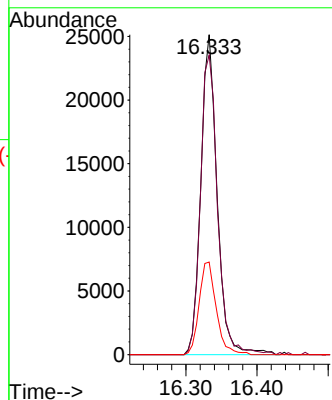
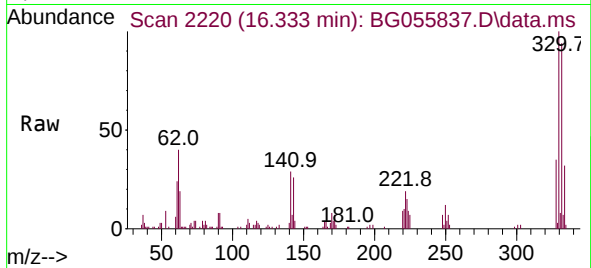




#42
2,4,6-Tribromophenol
Concen: 17.374 ng
RT: 16.333 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG055837.D
Acq: 29 Nov 2022 20:50

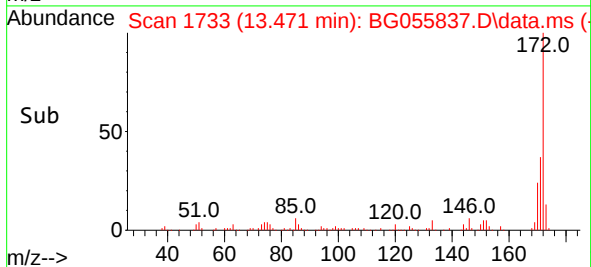
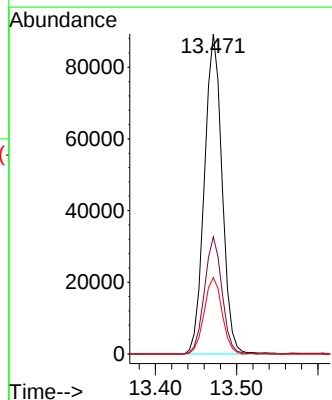
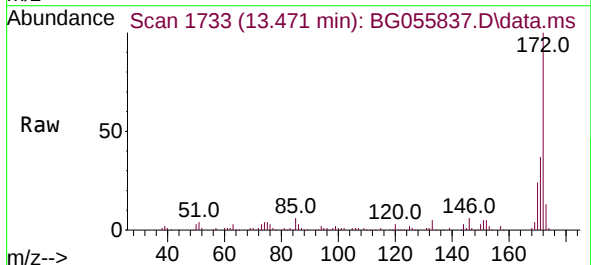
Instrument :
BNA_G
ClientSampleId :
SB-1-STOCK

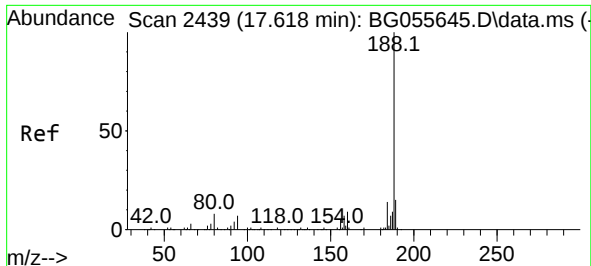
Tgt Ion:330 Resp: 39903
Ion Ratio Lower Upper
330 100
332 98.4 77.8 116.8
141 30.3 23.9 35.9



#45
2-Fluorobiphenyl
Concen: 12.392 ng
RT: 13.471 min Scan# 1733
Delta R.T. -0.001 min
Lab File: BG055837.D
Acq: 29 Nov 2022 20:50

Tgt Ion:172 Resp: 134911
Ion Ratio Lower Upper
172 100
171 36.6 29.8 44.6
170 23.8 20.2 30.4

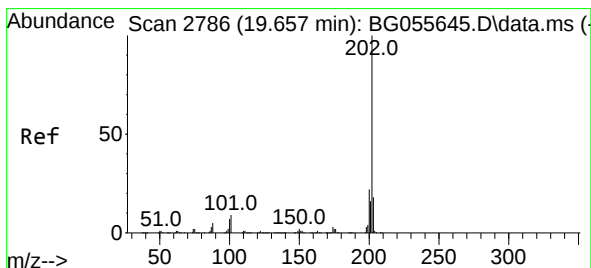
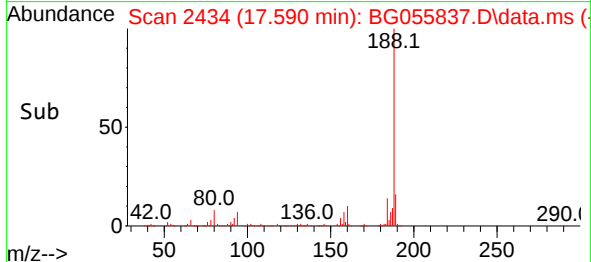
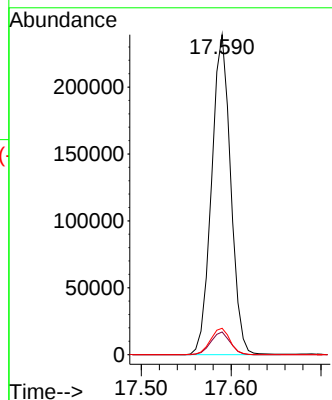
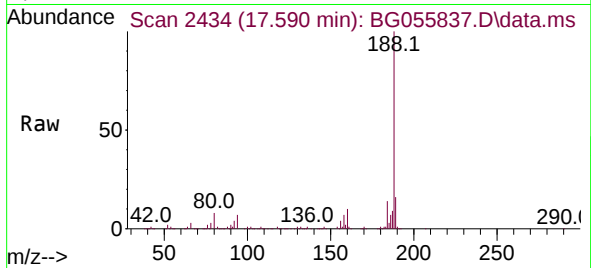




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.590 min Scan# 2439
Delta R.T. -0.001 min
Lab File: BG055837.D
Acq: 29 Nov 2022 20:50

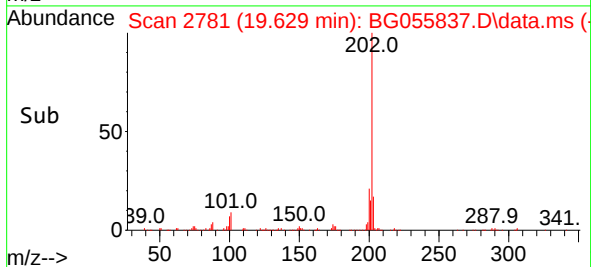
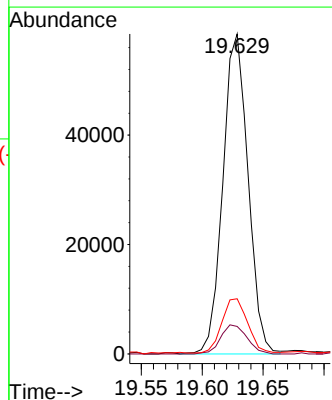
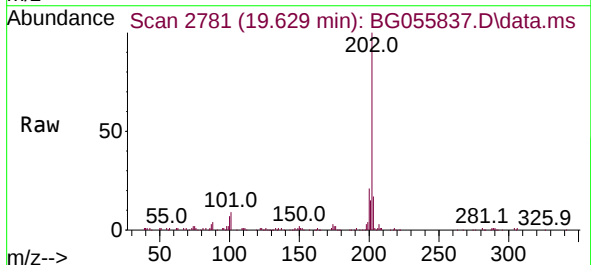
Instrument :
BNA_G
ClientSampleId :
SB-1-STOCK

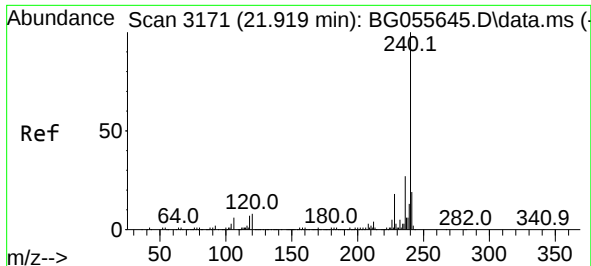
Tgt Ion:188 Resp: 353073
Ion Ratio Lower Upper
188 100
94 7.1 5.4 8.2
80 8.2 6.6 10.0



#75
Fluoranthene
Concen: 3.627 ng
RT: 19.629 min Scan# 2781
Delta R.T. -0.001 min
Lab File: BG055837.D
Acq: 29 Nov 2022 20:50

Tgt Ion:202 Resp: 84070
Ion Ratio Lower Upper
202 100
101 8.6 0.0 28.8
203 17.2 0.0 38.1

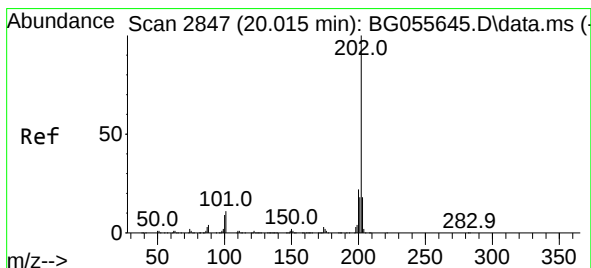
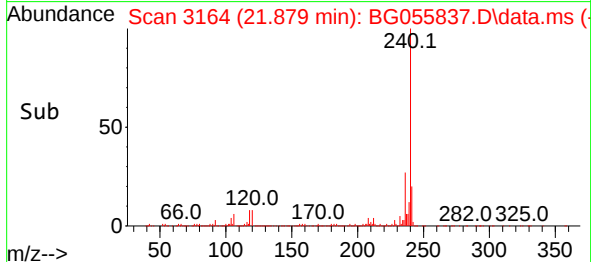
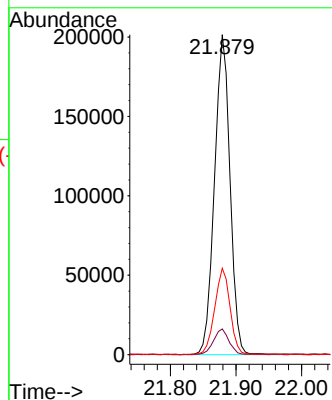
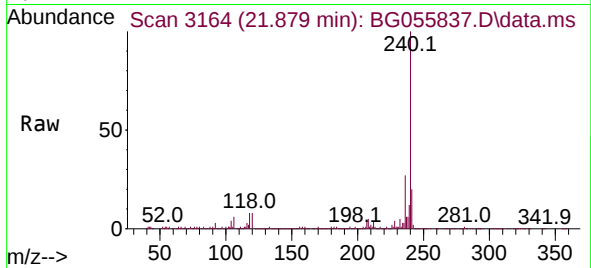




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.879 min Scan# 3171
Delta R.T. -0.001 min
Lab File: BG055837.D
Acq: 29 Nov 2022 20:50

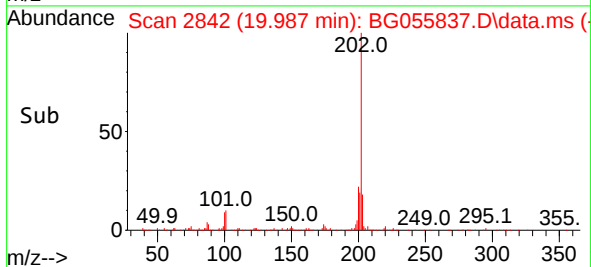
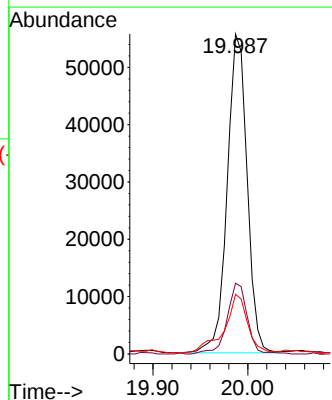
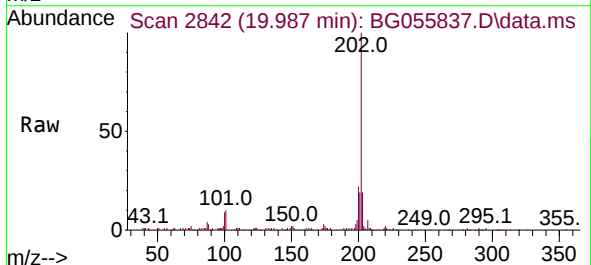
Instrument :
BNA_G
ClientSampleId :
SB-1-STOCK

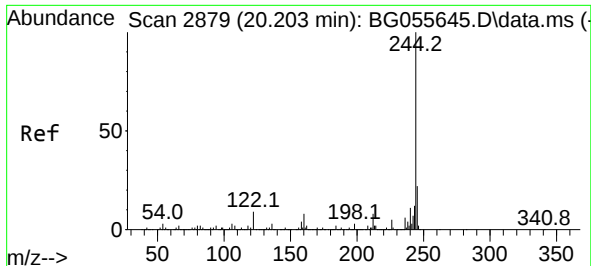
Tgt Ion:240 Resp: 331411
Ion Ratio Lower Upper
240 100
120 8.0 6.3 9.5
236 27.0 21.9 32.9



#78
Pyrene
Concen: 3.622 ng
RT: 19.987 min Scan# 2842
Delta R.T. -0.007 min
Lab File: BG055837.D
Acq: 29 Nov 2022 20:50

Tgt Ion:202 Resp: 81254
Ion Ratio Lower Upper
202 100
200 22.1 17.8 26.6
203 18.6 14.4 21.6

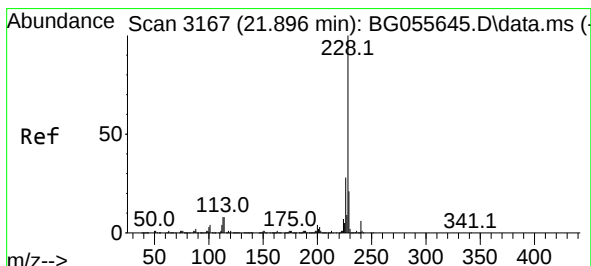
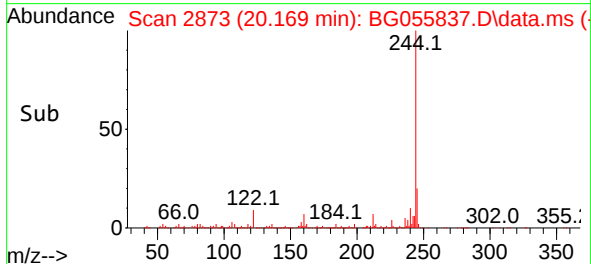
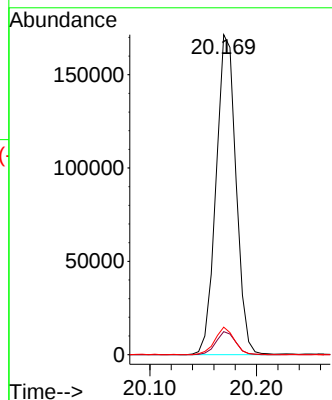
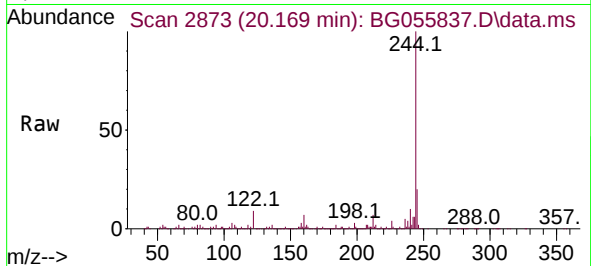




#79
 Terphenyl-d14
 Concen: 13.491 ng
 RT: 20.169 min Scan# 2879
 Delta R.T. -0.007 min
 Lab File: BG055837.D
 Acq: 29 Nov 2022 20:50

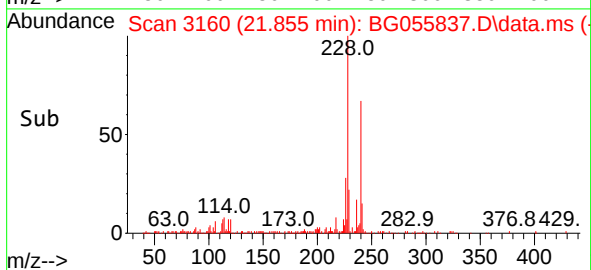
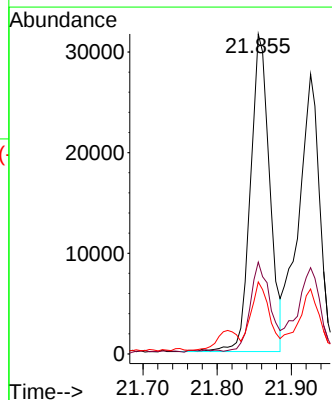
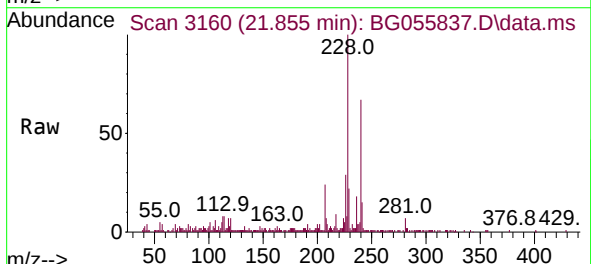
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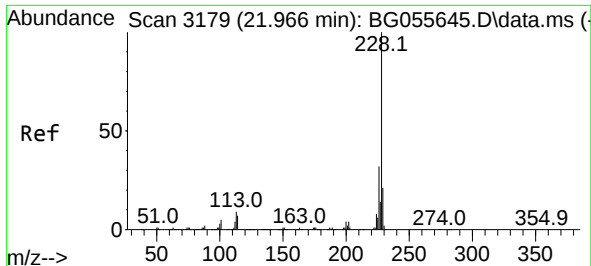
Tgt Ion:244 Resp: 223534
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.3 9.5
 122 8.6 6.9 10.3



#81
 Benzo(a)anthracene
 Concen: 2.480 ng
 RT: 21.855 min Scan# 3160
 Delta R.T. -0.007 min
 Lab File: BG055837.D
 Acq: 29 Nov 2022 20:50

Tgt Ion:228 Resp: 56619
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.7 34.1
 229 22.5 16.5 24.7





#83

Chrysene

Concen: 2.506 ng

RT: 21.926 min Scan# 3172

Delta R.T. -0.007 min

Lab File: BG055837.D

Acq: 29 Nov 2022 20:50

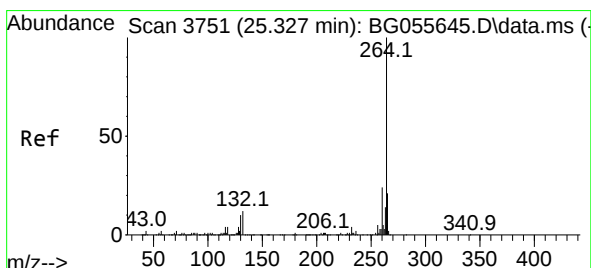
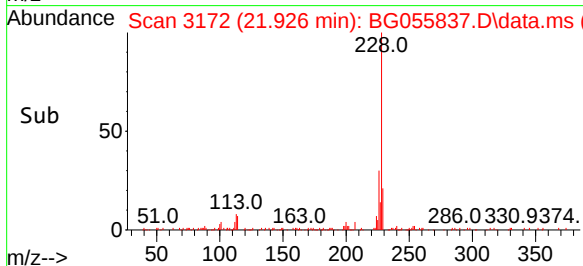
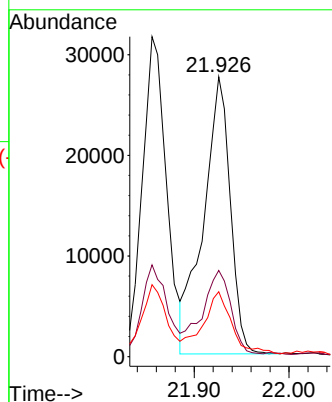
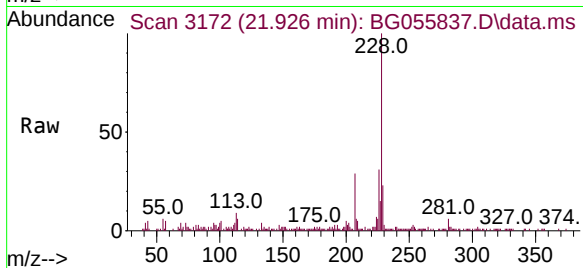
Instrument :

BNA_G

ClientSampleId :

SB-1-STOCK

Tgt Ion:228	Resp:	54451
Ion Ratio	Lower	Upper
228	100	
226	30.8	25.4 38.2
229	23.2	17.1 25.7



#86

Perylene-d12

Concen: 20.000 ng

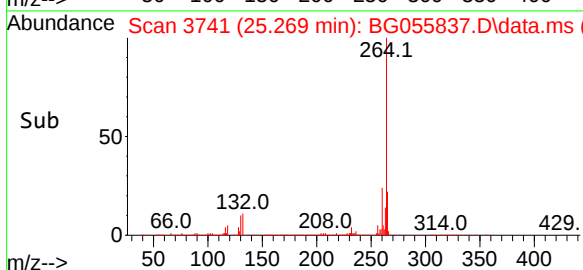
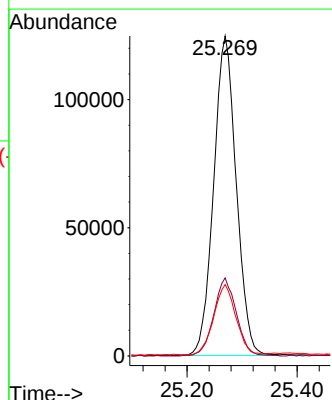
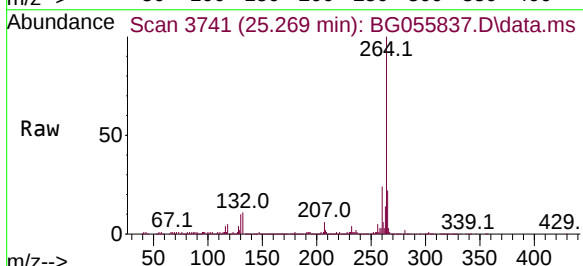
RT: 25.269 min Scan# 3741

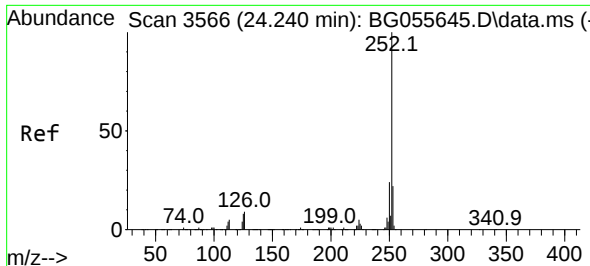
Delta R.T. -0.001 min

Lab File: BG055837.D

Acq: 29 Nov 2022 20:50

Tgt Ion:264	Resp:	354790
Ion Ratio	Lower	Upper
264	100	
260	24.4	19.5 29.3
265	22.3	17.1 25.7

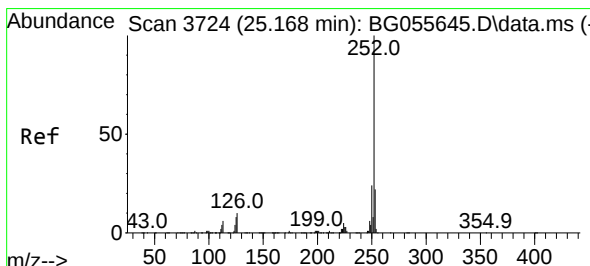
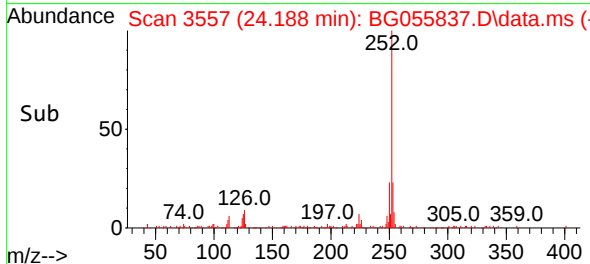
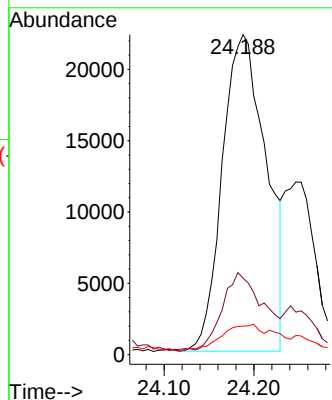
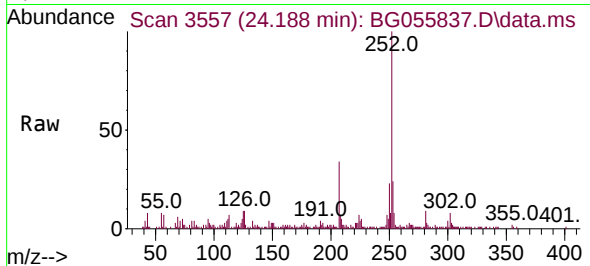




#88
Benzo(b)fluoranthene
Concen: 3.278 ng
RT: 24.188 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG055837.D
Acq: 29 Nov 2022 20:50

Instrument :
BNA_G
ClientSampleId :
SB-1-STOCK

Tgt Ion:252 Resp: 75742
Ion Ratio Lower Upper
252 100
253 23.9 18.0 27.0
125 8.9 6.2 9.2



#90
Benzo(a)pyrene
Concen: 2.728 ng
RT: 25.105 min Scan# 3713
Delta R.T. -0.013 min
Lab File: BG055837.D
Acq: 29 Nov 2022 20:50

Tgt Ion:252 Resp: 54085
Ion Ratio Lower Upper
252 100
253 25.7 17.8 26.6
125 10.2 6.4 9.6#

