

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111422\
 Data File : BG055608.D
 Acq On : 14 Nov 2022 17:23
 Operator : CG/JU
 Sample : N5561-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-06

Quant Time: Nov 15 01:02:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 03:39:46 2022
 Response via : Initial Calibration

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

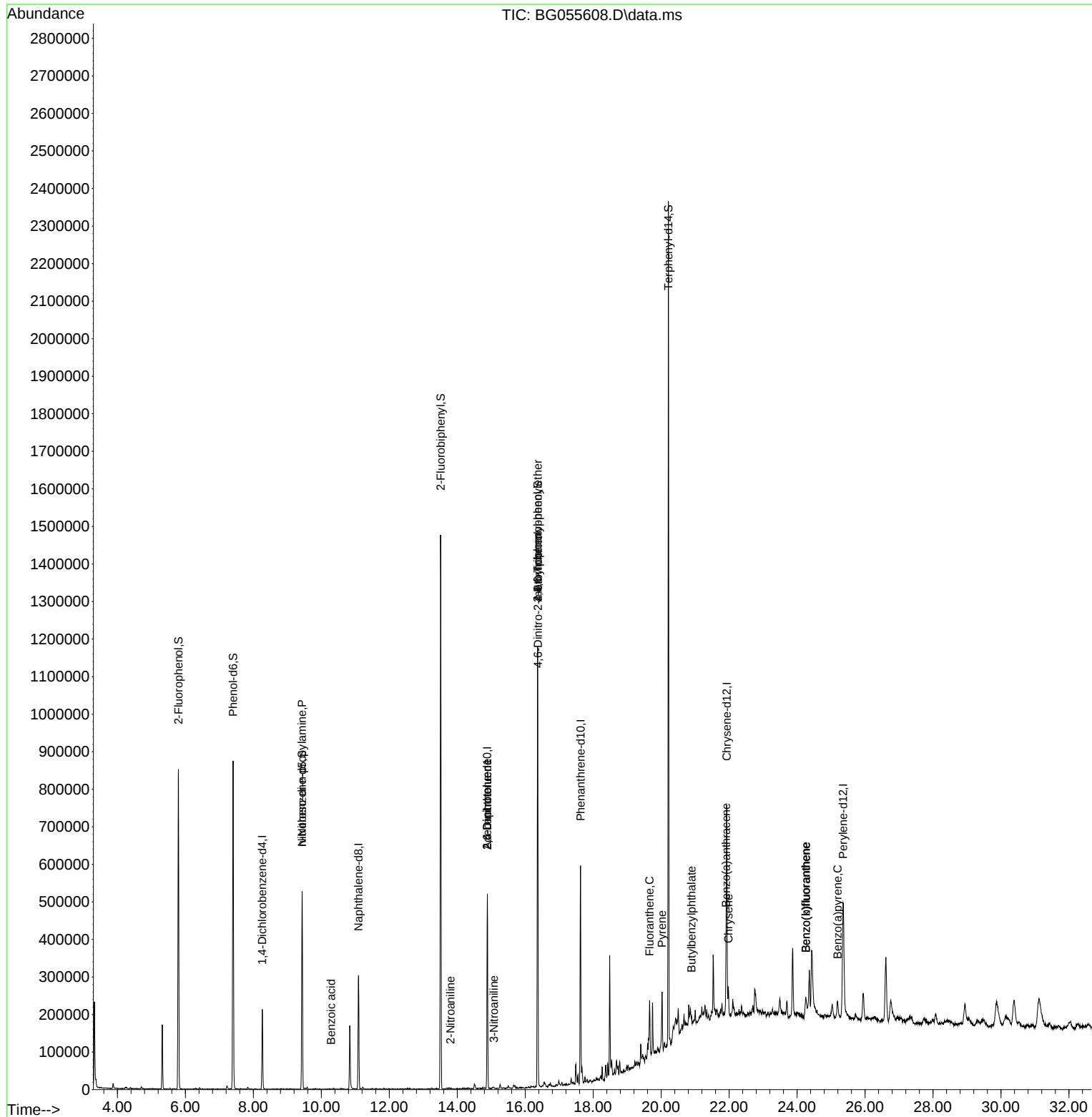
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.264	152	60371	20.000	ng	0.00
21) Naphthalene-d8	11.096	136	261291	20.000	ng	0.00
39) Acenaphthene-d10	14.886	164	183122	20.000	ng	0.00
64) Phenanthrene-d10	17.630	188	384580	20.000	ng	0.00
76) Chrysene-d12	21.931	240	346283	20.000	ng	0.00
86) Perylene-d12	25.356	264	370181	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	367885	116.069	ng	0.00
7) Phenol-d6	7.407	99	483732	110.487	ng	0.00
23) Nitrobenzene-d5	9.434	82	308021	79.916	ng	-0.01
42) 2,4,6-Tribromophenol	16.367	330	242207	135.559	ng	0.00
45) 2-Fluorobiphenyl	13.511	172	763718	62.908	ng	0.00
79) Terphenyl-d14	20.215	244	1100934	63.858	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.434	70	42555	11.761	ng	# 78
32) Benzoic acid	10.286	122	131	4.381	ng	# 26
48) 2-Nitroaniline	13.805	65	54	3.806	ng	# 8
51) 2,6-Dinitrotoluene	14.886	165	24585	12.543	ng	# 22
53) 3-Nitroaniline	15.080	138	174	3.833	ng	# 1
57) 2,4-Dinitrotoluene	14.886	165	24585	10.658	ng	# 23
65) 4,6-Dinitro-2-methylph...	16.373	198	586	2.524	ng	# 1
67) 4-Bromophenyl-phenylether	16.367	248	15750	4.014	ng	# 1
75) Fluoranthene	19.663	202	67583	2.742	ng	97
78) Pyrene	20.027	202	99875	4.262	ng	98
80) Butylbenzylphthalate	20.897	149	2923	3.669	ng	# 68
81) Benzo(a)anthracene	21.907	228	57294	2.416	ng	97
83) Chrysene	21.978	228	60951	2.702	ng	99
88) Benzo(b)fluoranthene	24.257	252	70797	3.018	ng	# 96
89) Benzo(k)fluoranthene	24.257	252	70797	2.952	ng	# 96
90) Benzo(a)pyrene	25.192	252	58391	2.890	ng	# 97

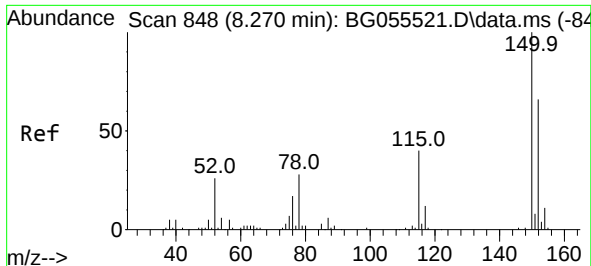
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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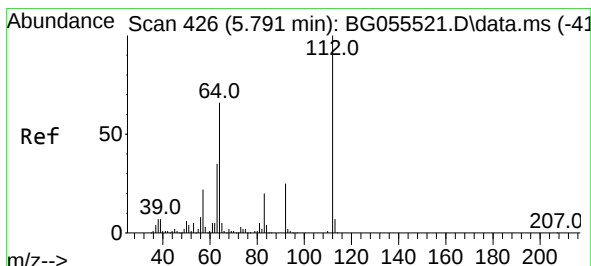
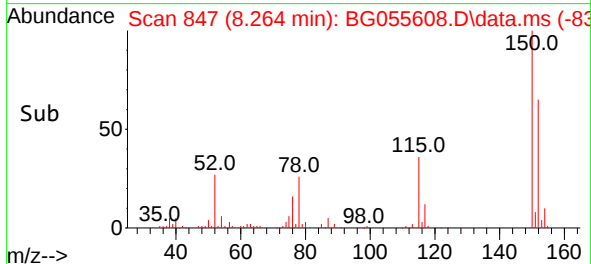
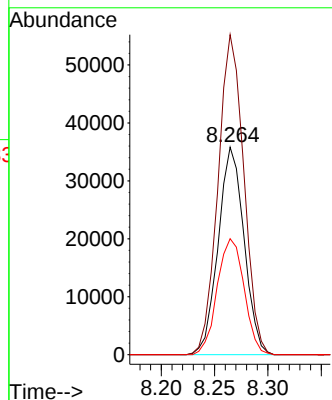
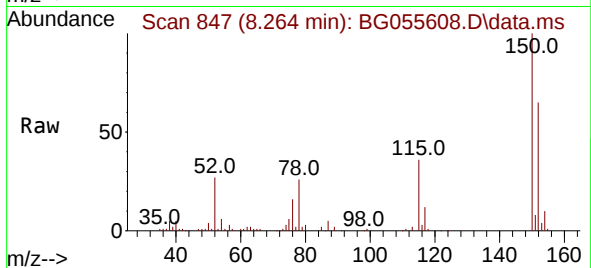




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.264 min Scan# 84
Delta R.T. -0.006 min
Lab File: BG055608.D
Acq: 14 Nov 2022 17:23

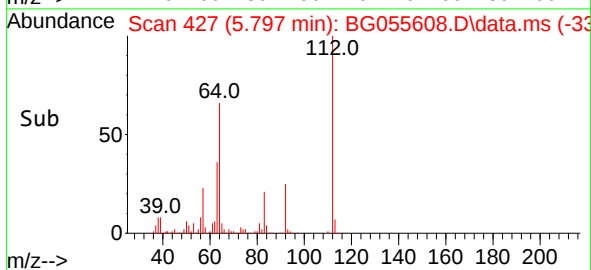
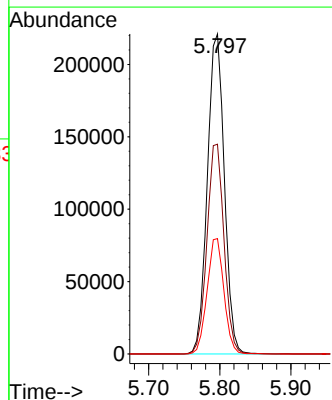
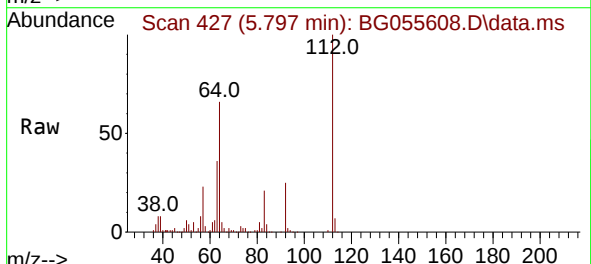
Instrument :
BNA_G
ClientSampleId :
SB-06

Tgt Ion:152 Resp: 60371
Ion Ratio Lower Upper
152 100
150 154.2 121.0 181.4
115 55.9 47.8 71.8



#5
2-Fluorophenol
Concen: 116.069 ng
RT: 5.797 min Scan# 427
Delta R.T. 0.006 min
Lab File: BG055608.D
Acq: 14 Nov 2022 17:23

Tgt Ion:112 Resp: 367885
Ion Ratio Lower Upper
112 100
64 65.6 52.6 78.8
63 36.0 28.3 42.5

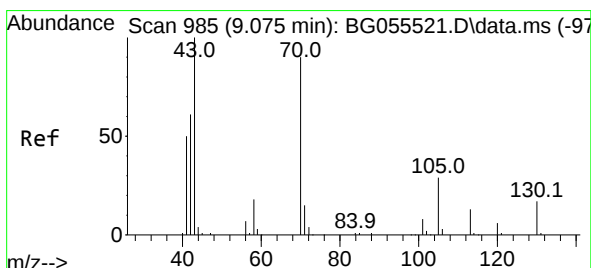
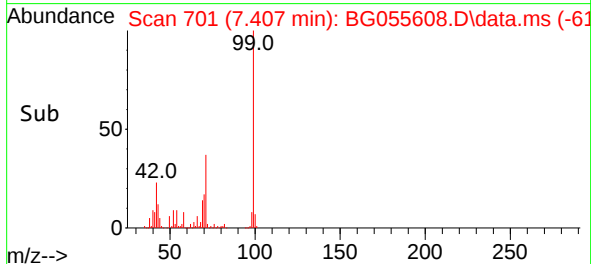
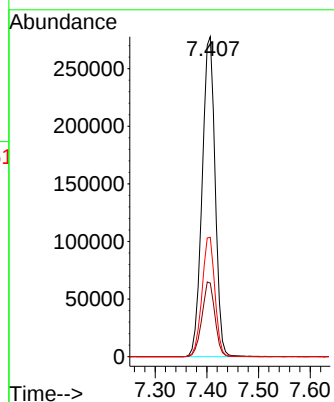
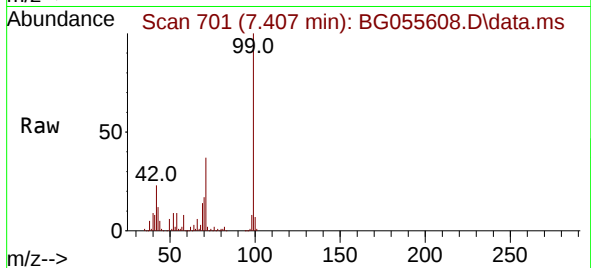




#7
Phenol-d6
Concen: 110.487 ng
RT: 7.407 min Scan# 700
Delta R.T. 0.006 min
Lab File: BG055608.D
Acq: 14 Nov 2022 17:23

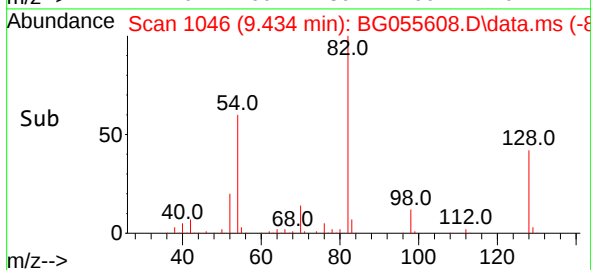
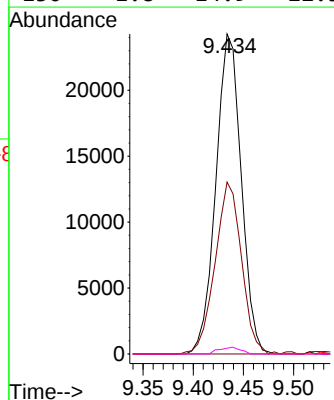
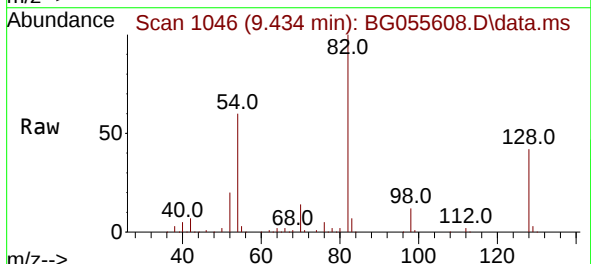
Instrument :
BNA_G
ClientSampleId :
SB-06

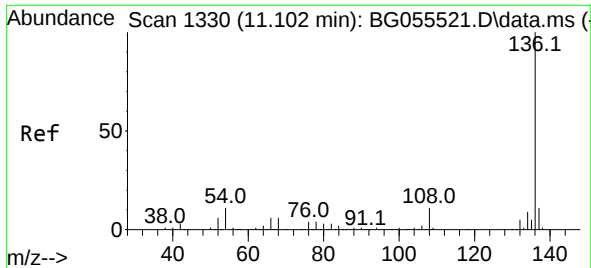
Tgt Ion: 99 Resp: 483732
Ion Ratio Lower Upper
99 100
42 23.0 17.5 26.3
71 37.3 28.3 42.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.761 ng
RT: 9.434 min Scan# 1046
Delta R.T. 0.359 min
Lab File: BG055608.D
Acq: 14 Nov 2022 17:23

Tgt Ion: 70 Resp: 42555
Ion Ratio Lower Upper
70 100
42 53.7 54.8 82.2#
101 0.0 6.8 10.2#
130 1.8 14.9 22.3#

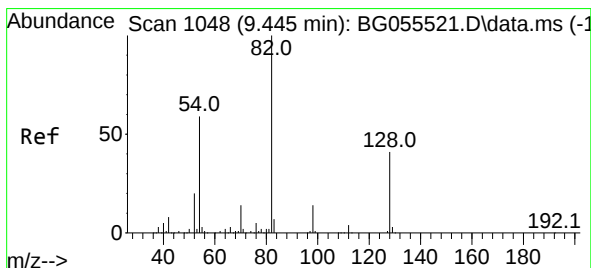
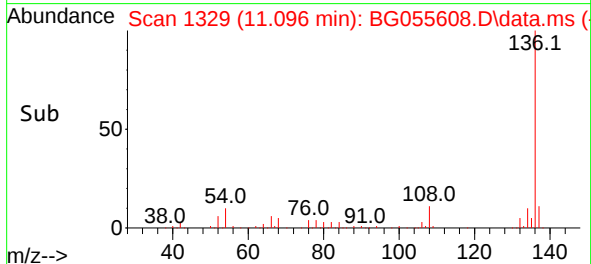
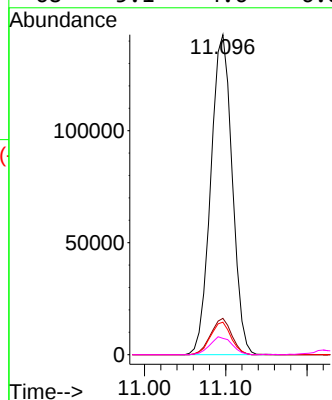
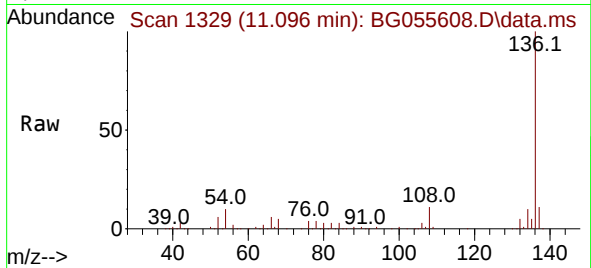




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.096 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG055608.D
Acq: 14 Nov 2022 17:23

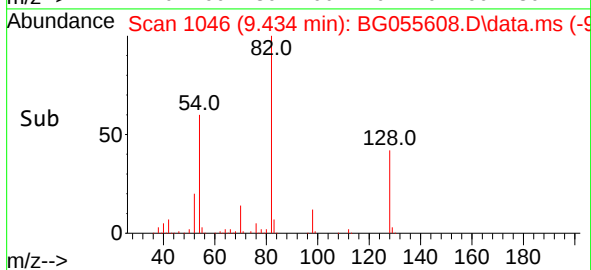
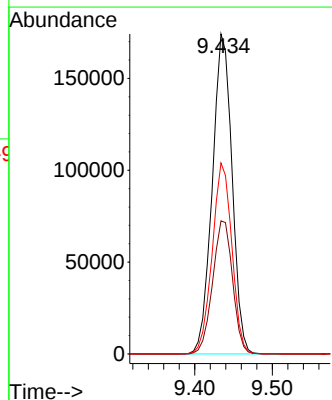
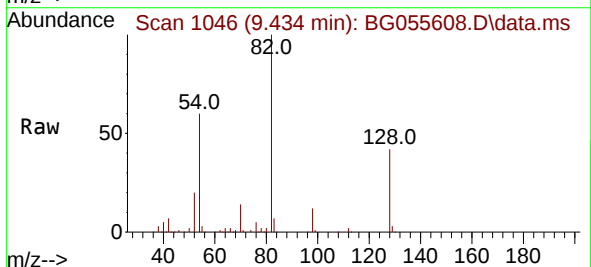
Instrument :
BNA_G
ClientSampleId :
SB-06

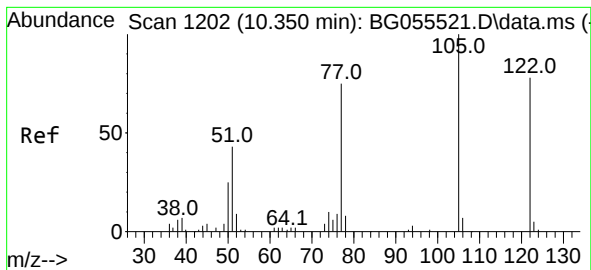
Tgt Ion:	136	Resp:	261291
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.6	12.8
54	10.2	8.6	12.8
68	5.1	4.6	6.8



#23
Nitrobenzene-d5
Concen: 79.916 ng
RT: 9.434 min Scan# 1046
Delta R.T. -0.011 min
Lab File: BG055608.D
Acq: 14 Nov 2022 17:23

Tgt Ion:	82	Resp:	308021
Ion Ratio	Lower	Upper	
82	100		
128	41.6	32.6	49.0
54	59.7	47.3	70.9





#32

Benzoic acid

Concen: 4.381 ng

RT: 10.286 min Scan# 1191

Delta R.T. -0.064 min

Lab File: BG055608.D

Acq: 14 Nov 2022 17:23

Instrument :

BNA_G

ClientSampleId :

SB-06

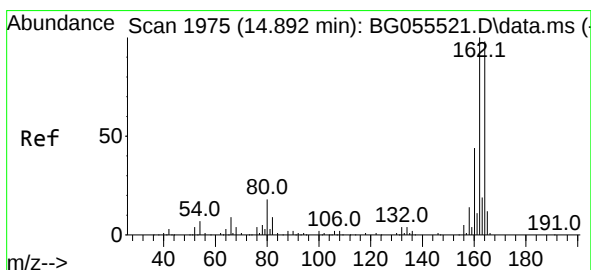
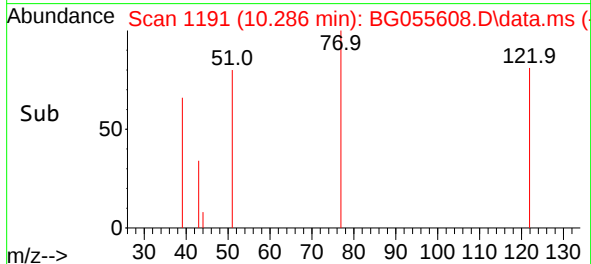
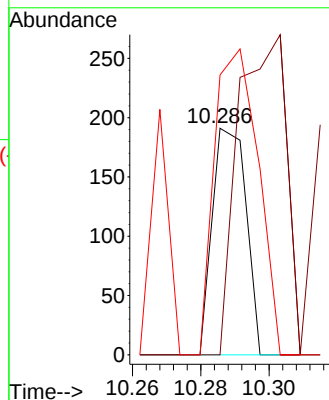
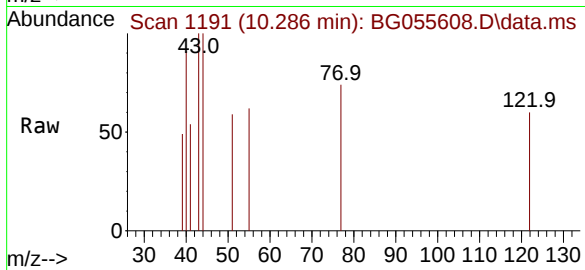
Tgt Ion:122 Resp: 131

Ion Ratio Lower Upper

122 100

105 0.0 101.2 141.2#

77 123.6 74.4 114.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.886 min Scan# 1974

Delta R.T. -0.006 min

Lab File: BG055608.D

Acq: 14 Nov 2022 17:23

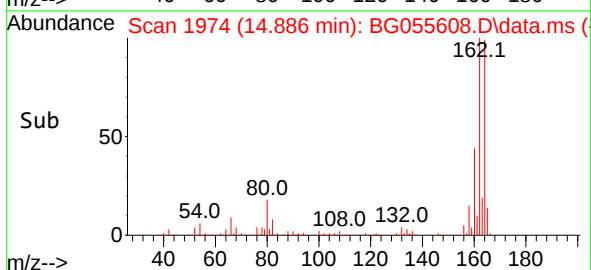
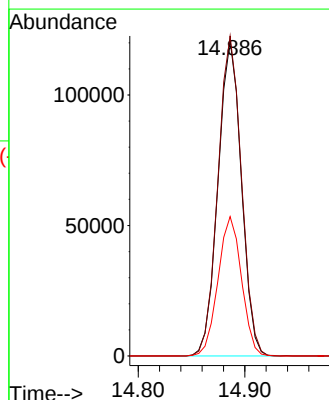
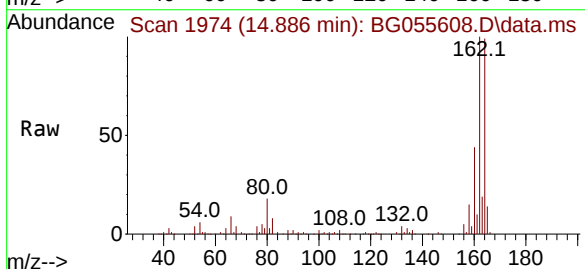
Tgt Ion:164 Resp: 183122

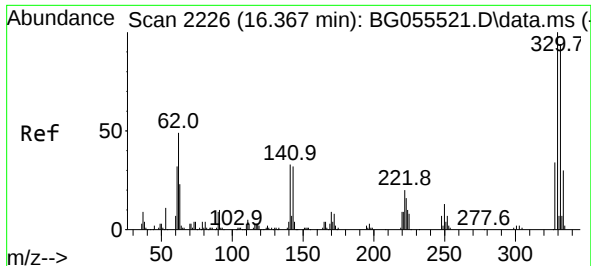
Ion Ratio Lower Upper

164 100

162 101.4 81.3 121.9

160 44.2 35.9 53.9



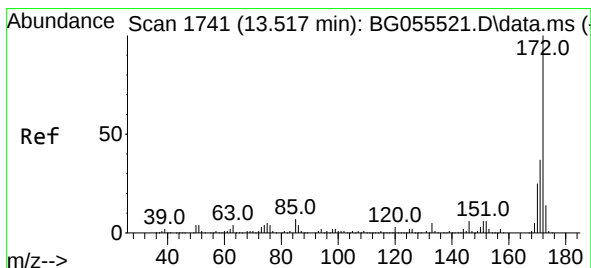
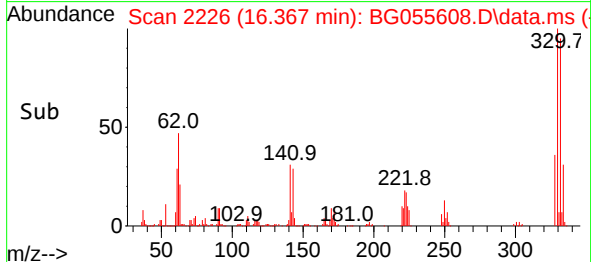
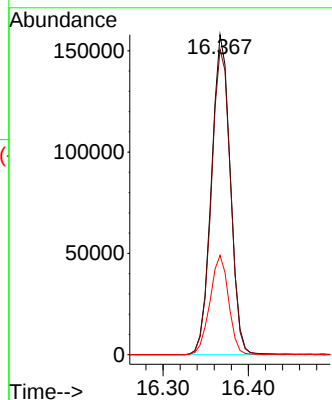
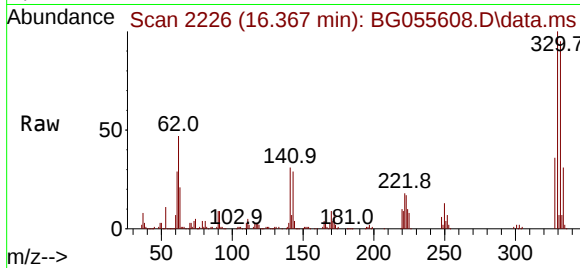


#42
 2,4,6-Tribromophenol
 Concen: 135.559 ng
 RT: 16.367 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG055608.D
 Acq: 14 Nov 2022 17:23

Instrument :
 BNA_G
 ClientSampleId :
 SB-06

Tgt Ion:330 Resp: 242207

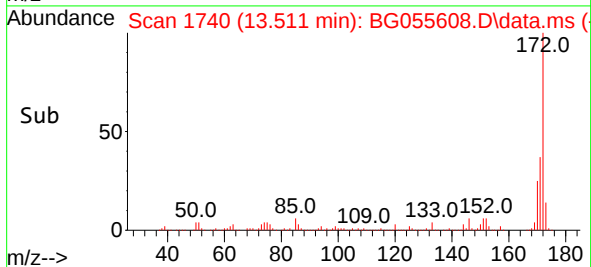
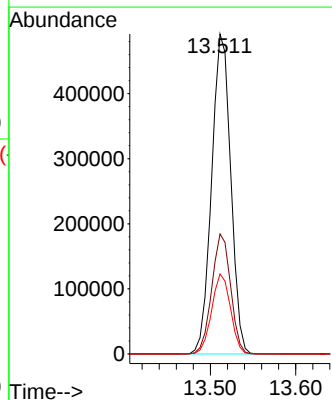
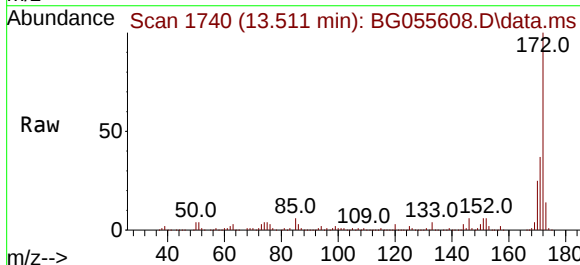
Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.4	116.2
141	30.7	25.4	38.2

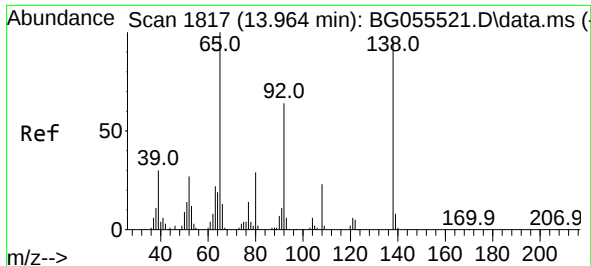


#45
 2-Fluorobiphenyl
 Concen: 62.908 ng
 RT: 13.511 min Scan# 1740
 Delta R.T. -0.006 min
 Lab File: BG055608.D
 Acq: 14 Nov 2022 17:23

Tgt Ion:172 Resp: 763718

Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.7	44.5
170	25.0	19.8	29.6

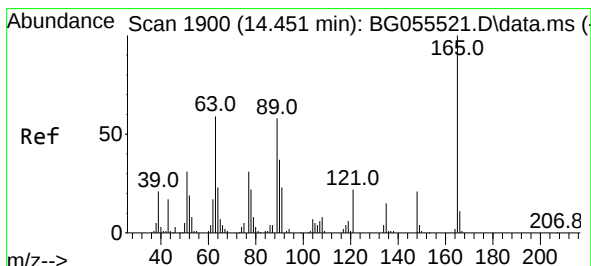
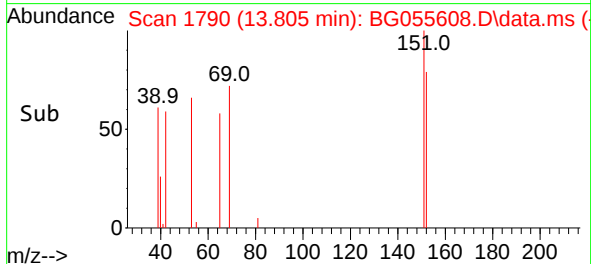
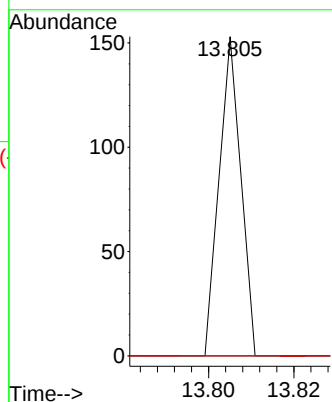
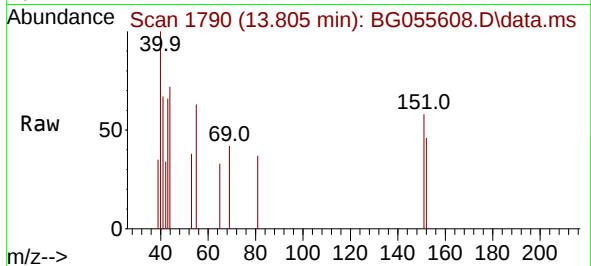




#48
2-Nitroaniline
Concen: 3.806 ng
RT: 13.805 min Scan# 11
Delta R.T. -0.159 min
Lab File: BG055608.D
Acq: 14 Nov 2022 17:23

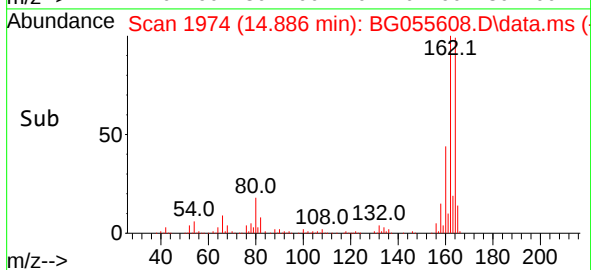
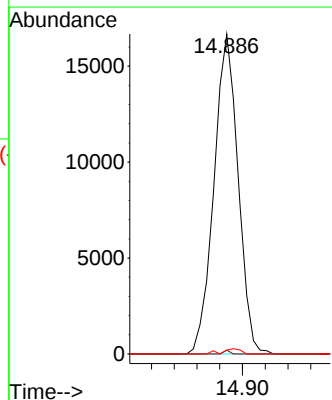
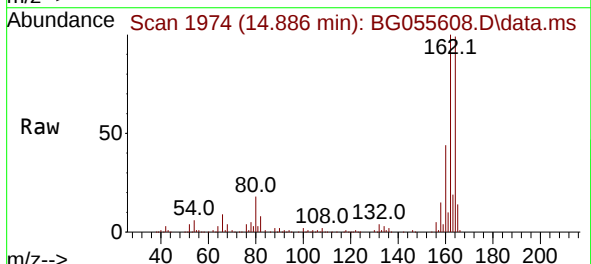
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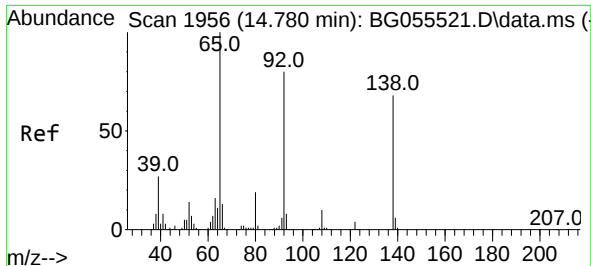
Tgt Ion: 65 Resp: 54
Ion Ratio Lower Upper
65 100
92 0.0 51.6 77.4#
138 0.0 77.0 115.4#



#51
2,6-Dinitrotoluene
Concen: 12.543 ng
RT: 14.886 min Scan# 1974
Delta R.T. 0.435 min
Lab File: BG055608.D
Acq: 14 Nov 2022 17:23

Tgt Ion:165 Resp: 24585
Ion Ratio Lower Upper
165 100
63 1.2 50.1 75.1#
89 1.2 46.5 69.7#

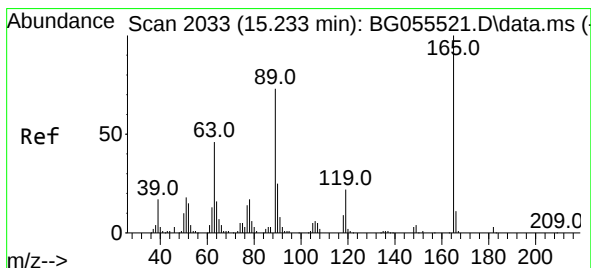
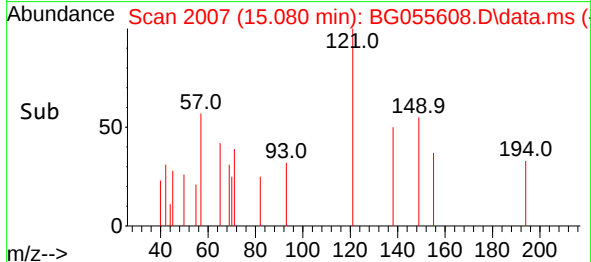
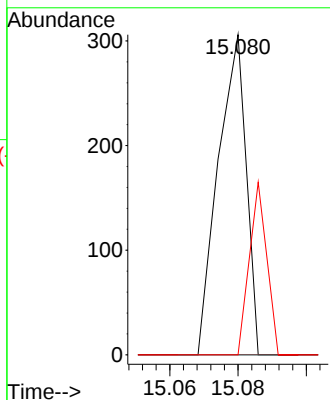
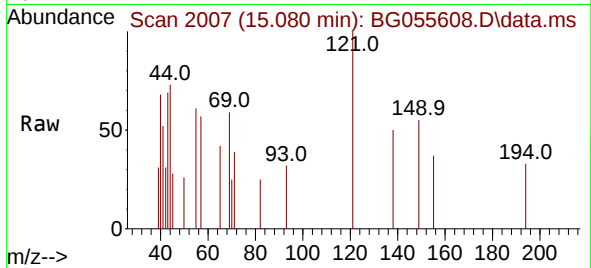




#53
3-Nitroaniline
Concen: 3.833 ng
RT: 15.080 min Scan# 20
Delta R.T. 0.300 min
Lab File: BG055608.D
Acq: 14 Nov 2022 17:23

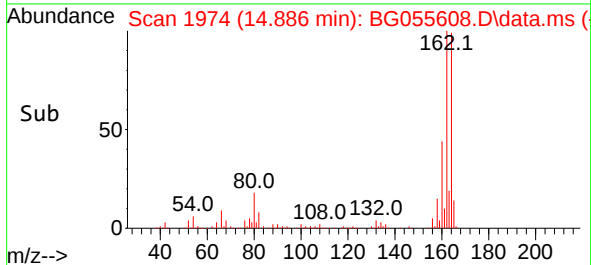
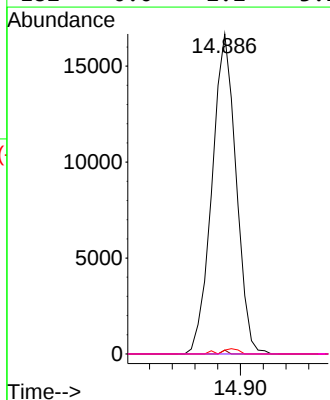
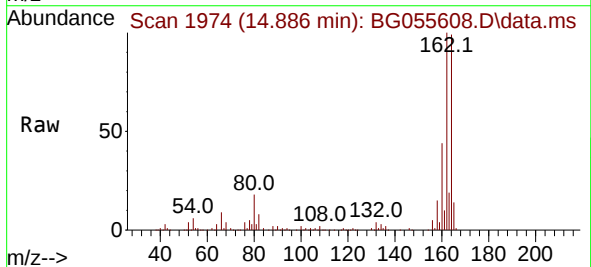
Instrument :
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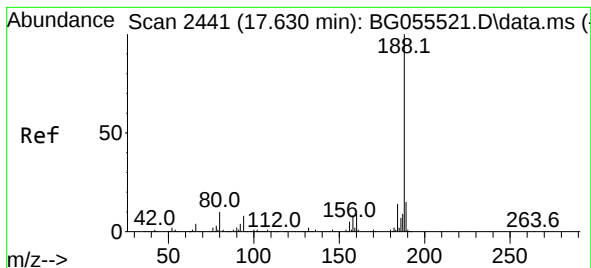
Tgt Ion:138 Resp: 174
Ion Ratio Lower Upper
138 100
108 0.0 11.7 17.5#
92 0.0 94.3 141.5#



#57
2,4-Dinitrotoluene
Concen: 10.658 ng
RT: 14.886 min Scan# 1974
Delta R.T. -0.347 min
Lab File: BG055608.D
Acq: 14 Nov 2022 17:23

Tgt Ion:165 Resp: 24585
Ion Ratio Lower Upper
165 100
63 1.2 37.0 55.4#
89 1.2 58.6 87.8#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.630 min Scan# 2441

Delta R.T. -0.000 min

Lab File: BG055608.D

Acq: 14 Nov 2022 17:23

Instrument :

BNA_G

ClientSampleId :

SB-06

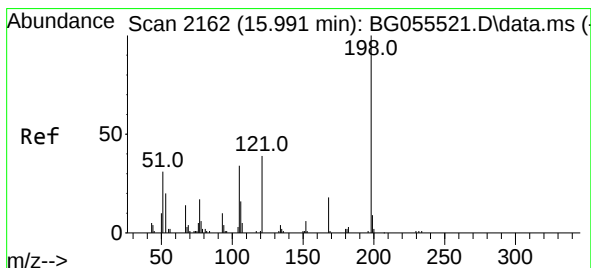
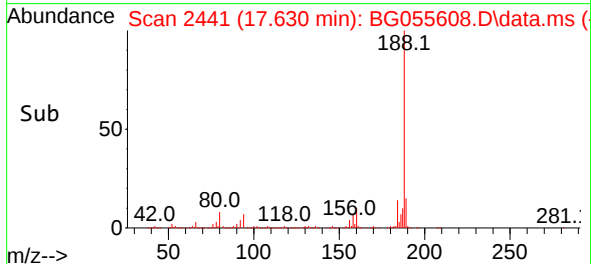
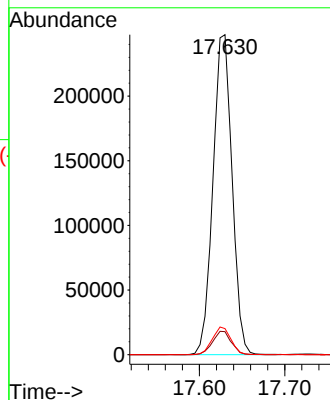
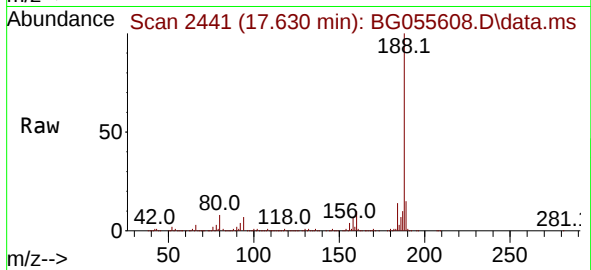
Tgt Ion:188 Resp: 384580

Ion Ratio Lower Upper

188 100

94 7.2 6.4 9.6

80 8.2 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 2.524 ng

RT: 16.373 min Scan# 2227

Delta R.T. 0.382 min

Lab File: BG055608.D

Acq: 14 Nov 2022 17:23

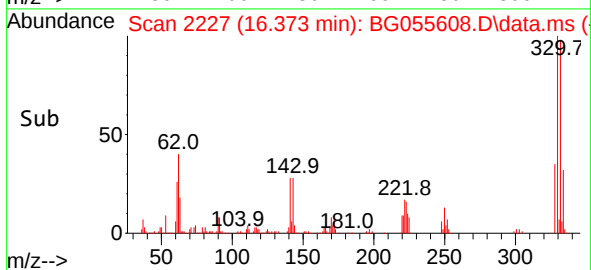
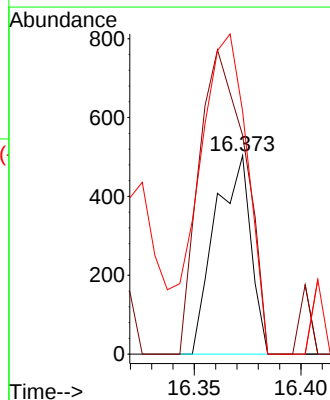
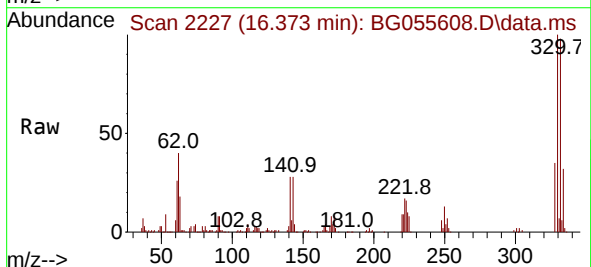
Tgt Ion:198 Resp: 586

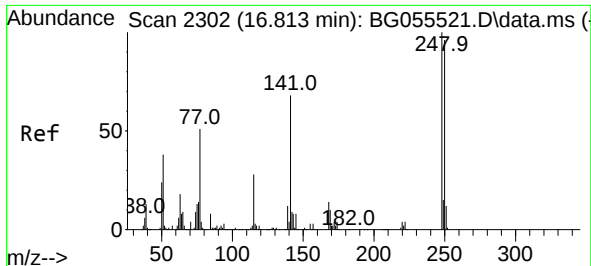
Ion Ratio Lower Upper

198 100

51 110.3 24.7 64.7#

105 122.5 17.6 57.6#

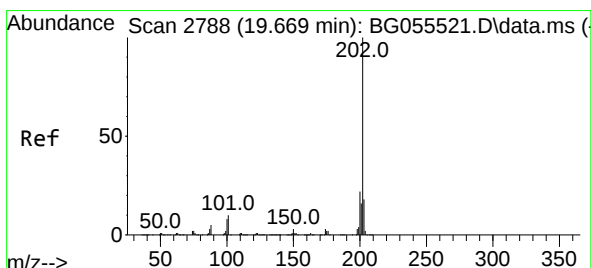
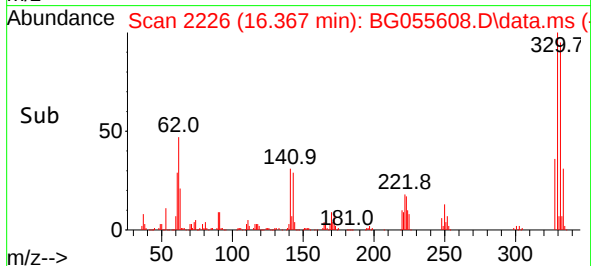
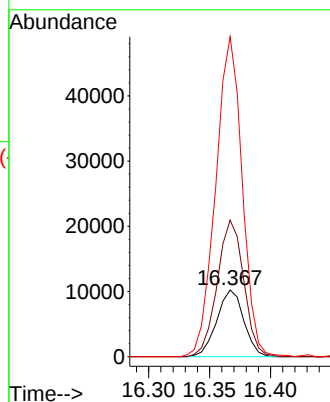
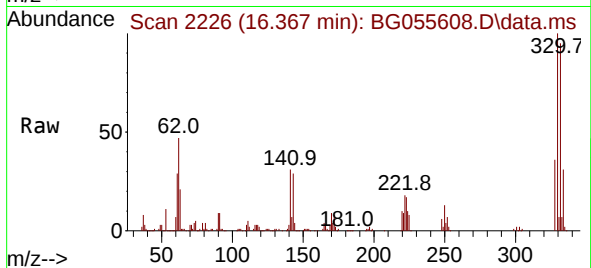




#67
4-Bromophenyl-phenylether
Concen: 4.014 ng
RT: 16.367 min Scan# 21
Delta R.T. -0.446 min
Lab File: BG055608.D
Acq: 14 Nov 2022 17:23

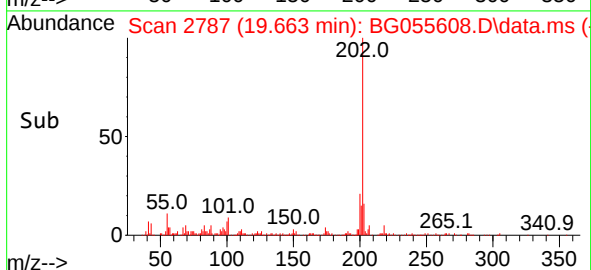
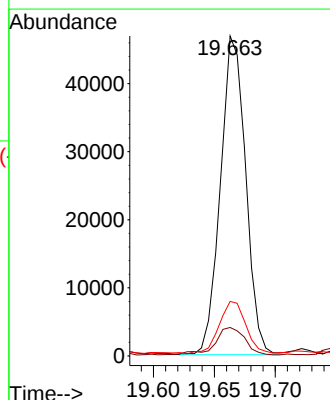
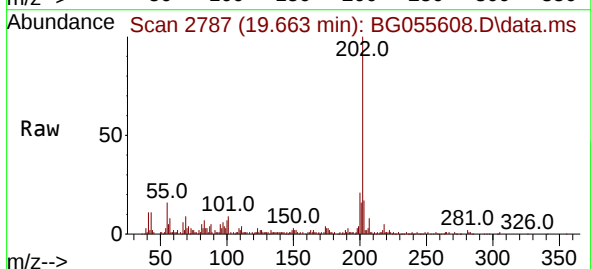
Instrument :
BNA_G
ClientSampleId :
SB-06

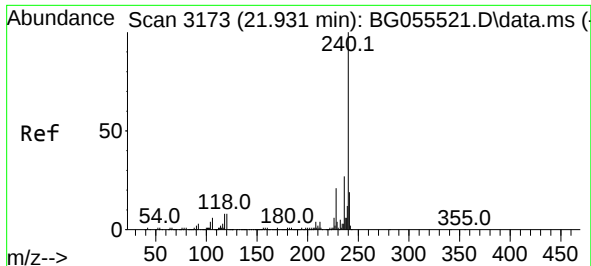
Tgt Ion:248 Resp: 15750
Ion Ratio Lower Upper
248 100
250 204.4 76.9 115.3#
141 479.2 54.3 81.5#



#75
Fluoranthene
Concen: 2.742 ng
RT: 19.663 min Scan# 2787
Delta R.T. -0.006 min
Lab File: BG055608.D
Acq: 14 Nov 2022 17:23

Tgt Ion:202 Resp: 67583
Ion Ratio Lower Upper
202 100
101 8.9 0.0 29.8
203 17.1 0.0 38.2

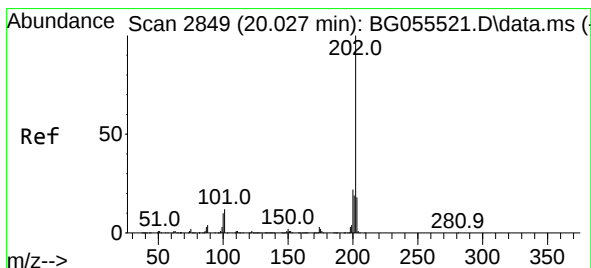
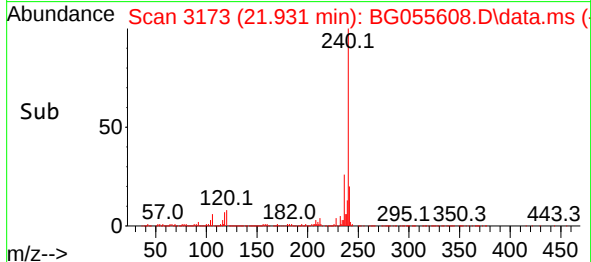
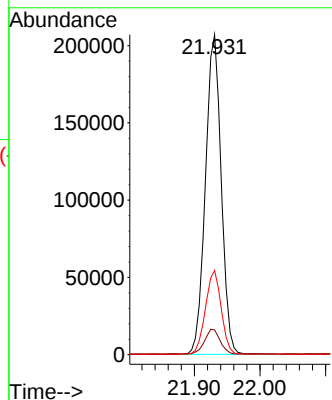
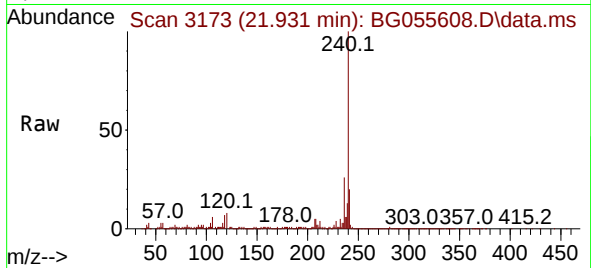




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.931 min Scan# 3173
Delta R.T. -0.000 min
Lab File: BG055608.D
Acq: 14 Nov 2022 17:23

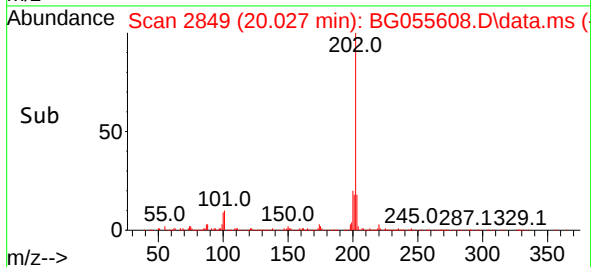
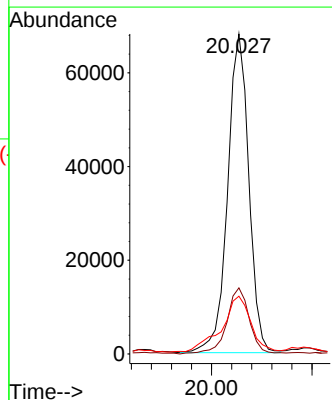
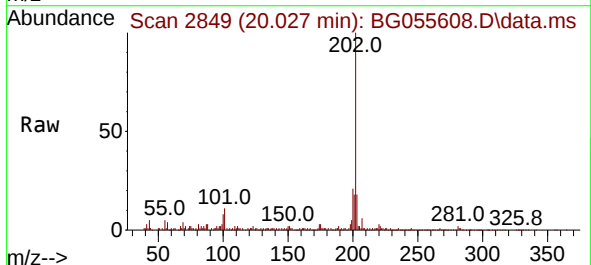
Instrument :
BNA_G
ClientSampleId :
SB-06

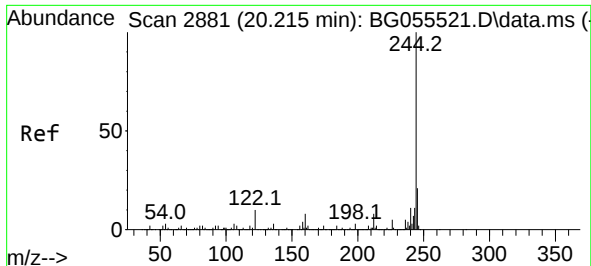
Tgt Ion:240 Resp: 346283
Ion Ratio Lower Upper
240 100
120 7.7 6.1 9.1
236 26.3 21.4 32.0



#78
Pyrene
Concen: 4.262 ng
RT: 20.027 min Scan# 2849
Delta R.T. 0.000 min
Lab File: BG055608.D
Acq: 14 Nov 2022 17:23

Tgt Ion:202 Resp: 99875
Ion Ratio Lower Upper
202 100
200 20.7 18.0 27.0
203 18.0 14.2 21.2

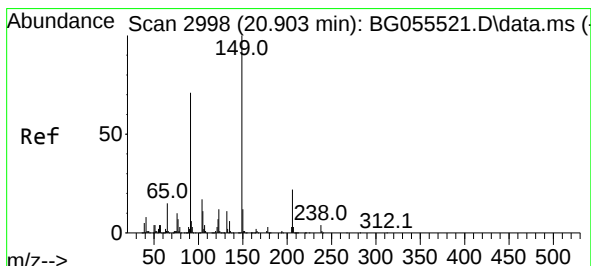
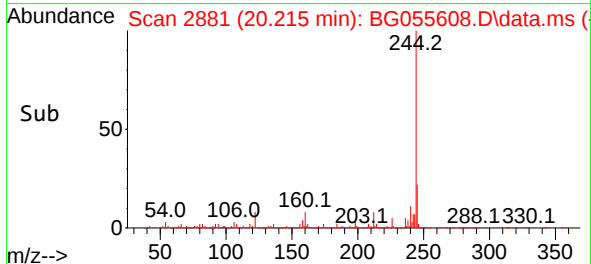
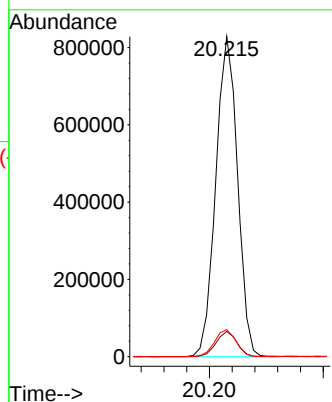
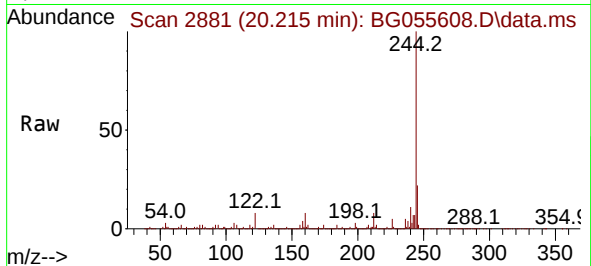




#79
 Terphenyl-d14
 Concen: 63.858 ng
 RT: 20.215 min Scan# 2881
 Delta R.T. 0.000 min
 Lab File: BG055608.D
 Acq: 14 Nov 2022 17:23

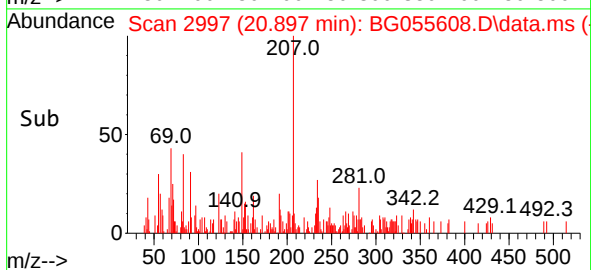
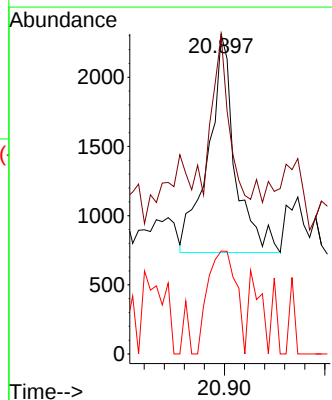
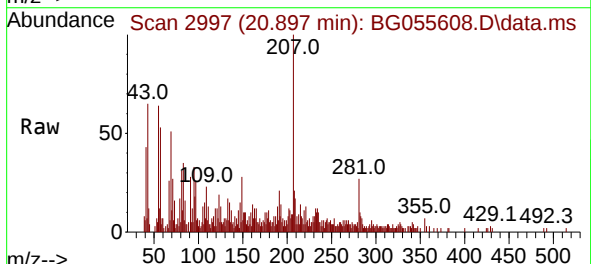
Instrument :
 BNA_G
 ClientSampleId :
 SB-06

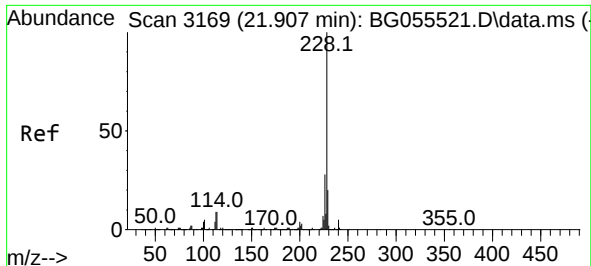
Tgt Ion:244 Resp: 1100934
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.5 9.7
 122 8.5 7.7 11.5



#80
 Butylbenzylphthalate
 Concen: 3.669 ng
 RT: 20.897 min Scan# 2997
 Delta R.T. -0.006 min
 Lab File: BG055608.D
 Acq: 14 Nov 2022 17:23

Tgt Ion:149 Resp: 2923
 Ion Ratio Lower Upper
 149 100
 91 99.6 56.8 85.2#
 206 32.2 17.3 25.9#

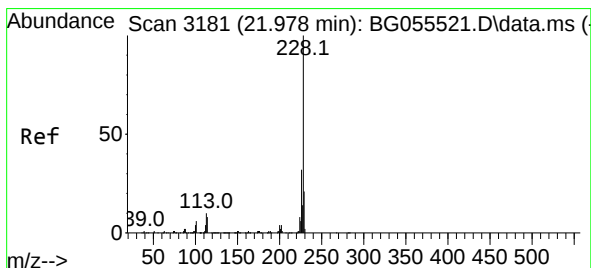
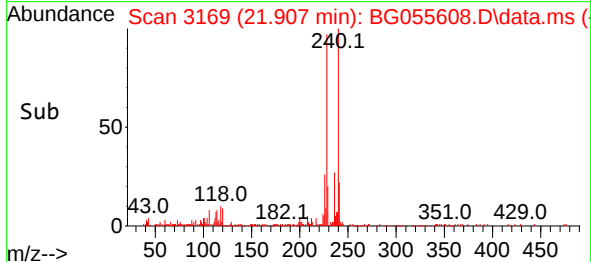
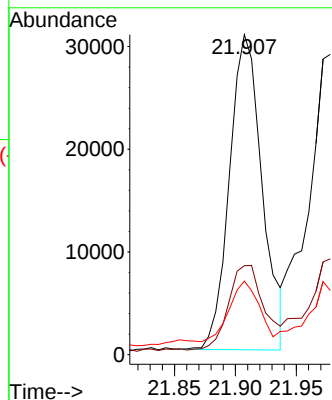
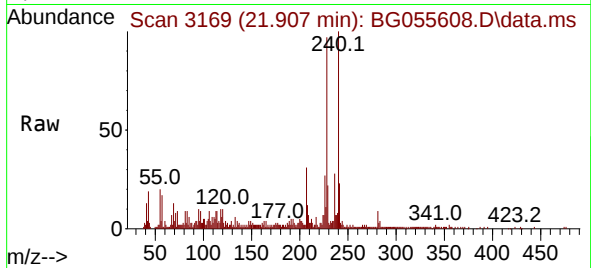




#81
Benzo(a)anthracene
Concen: 2.416 ng
RT: 21.907 min Scan# 3169
Delta R.T. 0.000 min
Lab File: BG055608.D
Acq: 14 Nov 2022 17:23

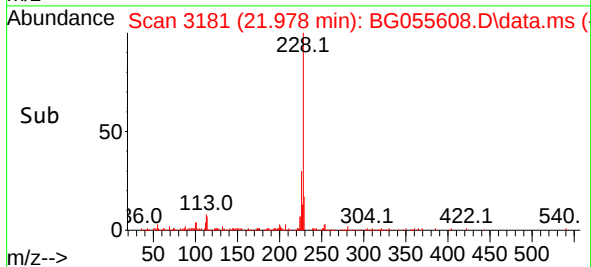
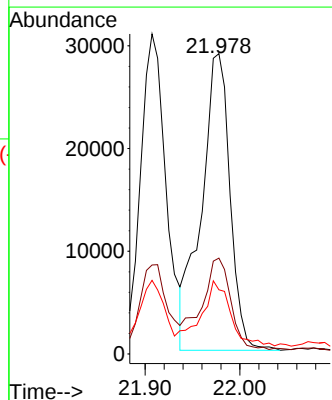
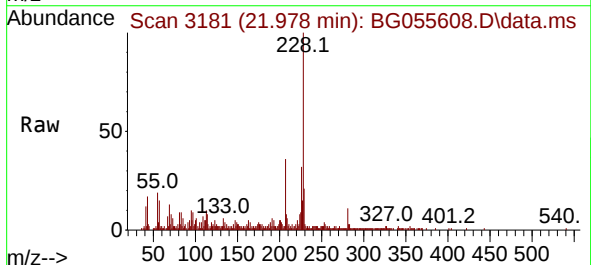
Instrument :
BNA_G
ClientSampleId :
SB-06

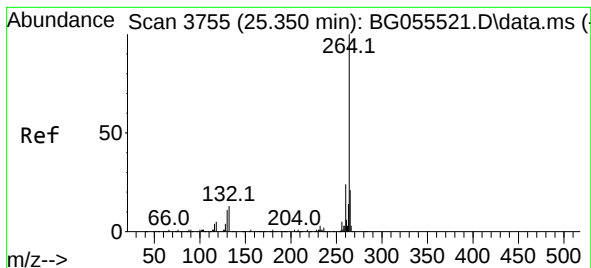
Tgt Ion:228 Resp: 57294
Ion Ratio Lower Upper
228 100
226 27.8 22.6 34.0
229 23.0 16.1 24.1



#83
Chrysene
Concen: 2.702 ng
RT: 21.978 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BG055608.D
Acq: 14 Nov 2022 17:23

Tgt Ion:228 Resp: 60951
Ion Ratio Lower Upper
228 100
226 31.9 25.7 38.5
229 21.4 16.6 25.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.356 min Scan# 3

Delta R.T. 0.006 min

Lab File: BG055608.D

Acq: 14 Nov 2022 17:23

Instrument :

BNA_G

ClientSampleId :

SB-06

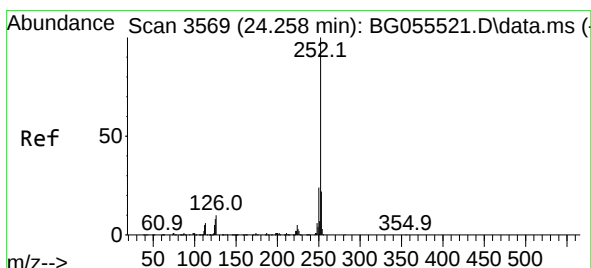
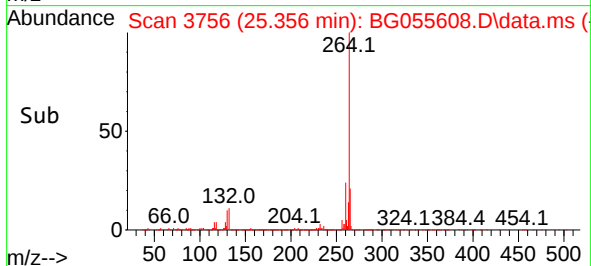
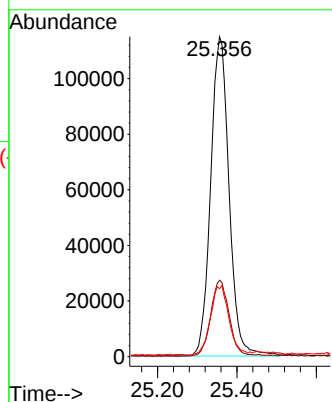
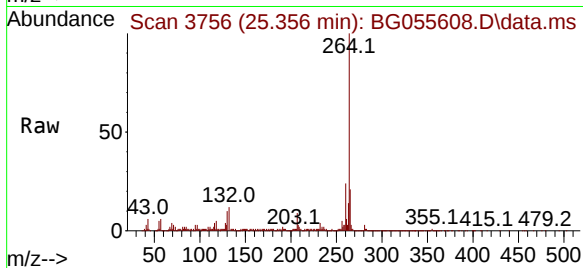
Tgt Ion:264 Resp: 370181

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 21.2 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 3.018 ng

RT: 24.257 min Scan# 3569

Delta R.T. -0.001 min

Lab File: BG055608.D

Acq: 14 Nov 2022 17:23

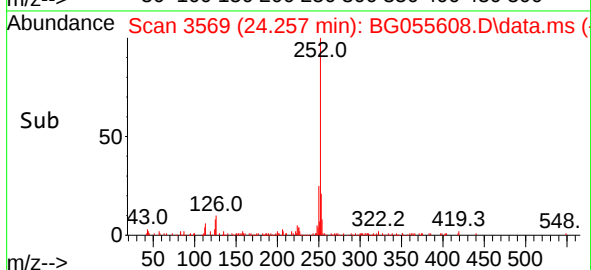
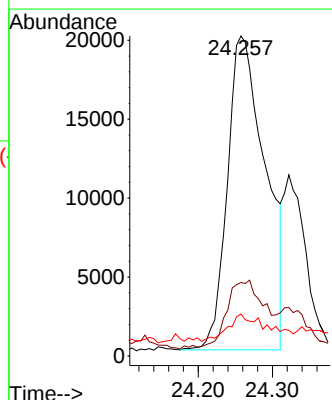
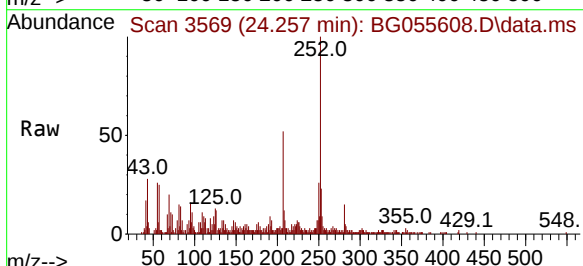
Tgt Ion:252 Resp: 70797

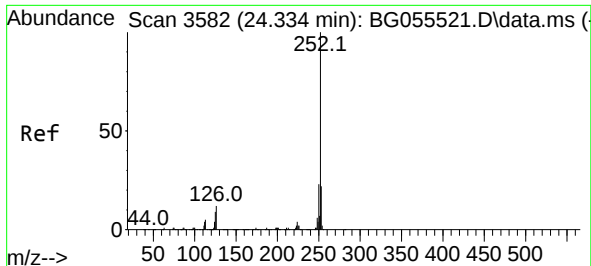
Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

125 13.1 6.7 10.1#

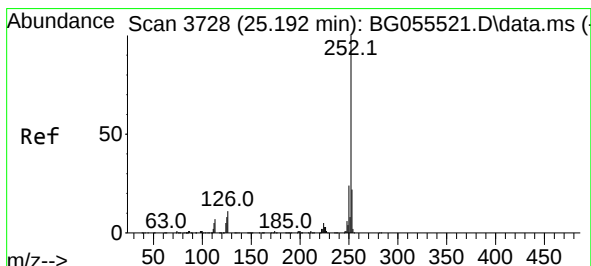
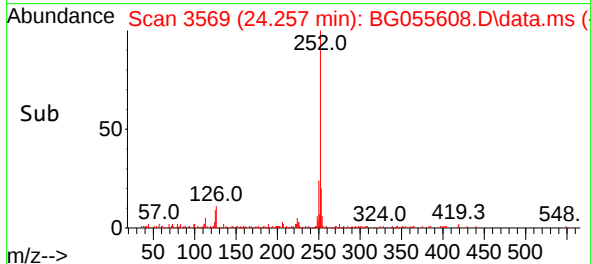
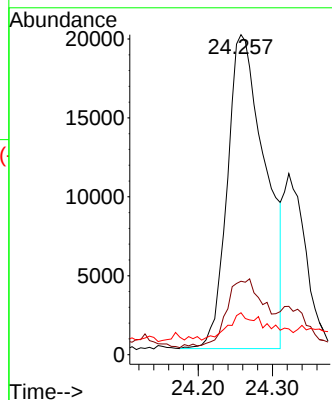
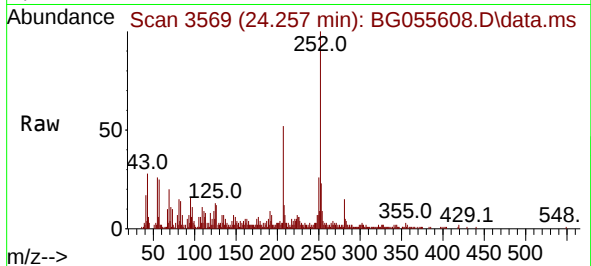




#89
Benzo(k)fluoranthene
Concen: 2.952 ng
RT: 24.257 min Scan# 31
Delta R.T. -0.077 min
Lab File: BG055608.D
Acq: 14 Nov 2022 17:23

Instrument :
BNA_G
ClientSampleId :
SB-06

Tgt Ion:252 Resp: 70797
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 13.1 6.9 10.3#



#90
Benzo(a)pyrene
Concen: 2.890 ng
RT: 25.192 min Scan# 3728
Delta R.T. -0.000 min
Lab File: BG055608.D
Acq: 14 Nov 2022 17:23

Tgt Ion:252 Resp: 58391
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 11.6 6.7 10.1#

