

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
 Data File : BG056547.D
 Acq On : 3 Feb 2023 20:37
 Operator : CG/JU
 Sample : 01413-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-5-020223

Quant Time: Feb 04 05:14:26 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 01 01:15:52 2023
 Response via : Initial Calibration

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

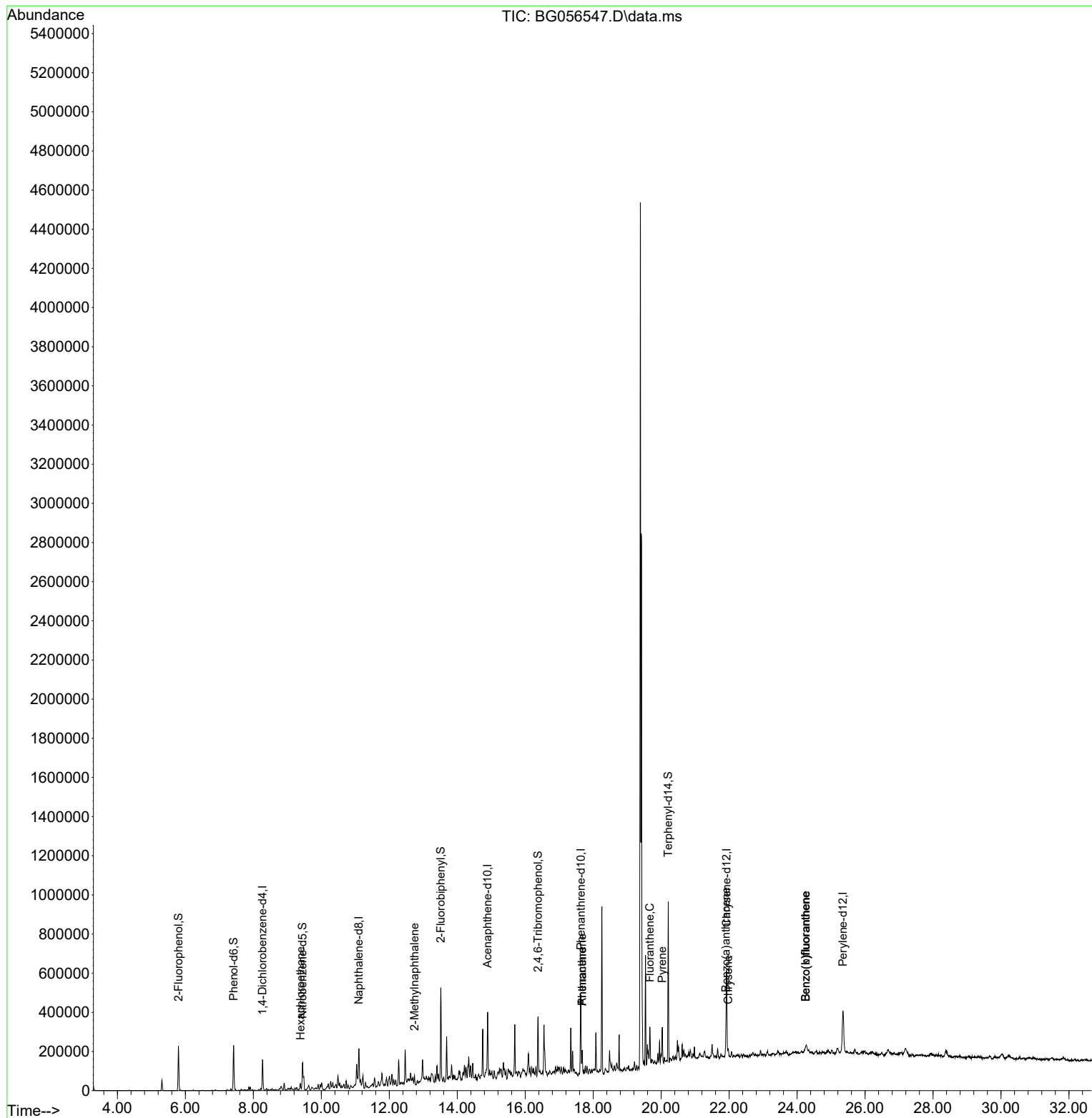
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.270	152	54270	20.000	ng	0.00
21) Naphthalene-d8	11.102	136	185311	20.000	ng	0.00
39) Acenaphthene-d10	14.892	164	126398	20.000	ng	0.00
64) Phenanthrene-d10	17.636	188	281181	20.000	ng	0.00
76) Chrysene-d12	21.925	240	282833	20.000	ng	0.00
86) Perylene-d12	25.350	264	297662	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	137556	46.627	ng	0.00
7) Phenol-d6	7.418	99	184357	42.176	ng	0.00
23) Nitrobenzene-d5	9.445	82	96502	29.571	ng	-0.01
42) 2,4,6-Tribromophenol	16.378	330	65067	38.721	ng	0.00
45) 2-Fluorobiphenyl	13.517	172	265530	29.125	ng	0.00
79) Terphenyl-d14	20.209	244	437072	27.142	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.406	77	755	Below Cal	#	1
18) Hexachloroethane	9.386	117	3398	2.973	ng	# 1
37) 2-Methylnaphthalene	12.741	142	20536	2.547	ng	96
71) Phenanthrene	17.677	178	73690	5.007	ng	98
72) Anthracene	17.677	178	73690	4.878	ng	99
75) Fluoranthene	19.669	202	125874	6.777	ng	99
78) Pyrene	20.033	202	124262	6.177	ng	98
81) Benzo(a)anthracene	21.901	228	42925	2.171	ng	97
83) Chrysene	21.972	228	41685	2.244	ng	97
88) Benzo(b)fluoranthene	24.251	252	40640	2.200	ng	# 74
89) Benzo(k)fluoranthene	24.251	252	40640	2.179	ng	# 72

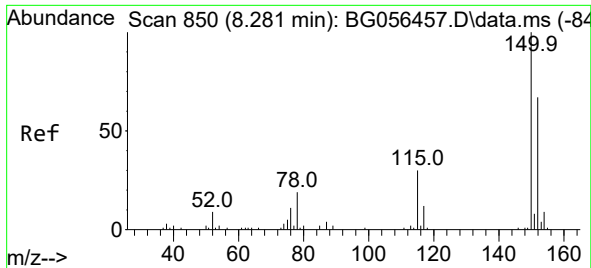
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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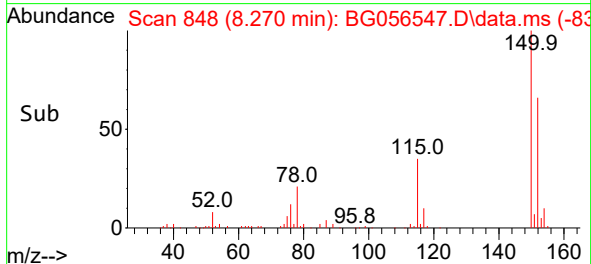
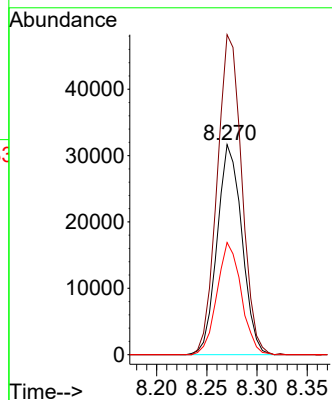
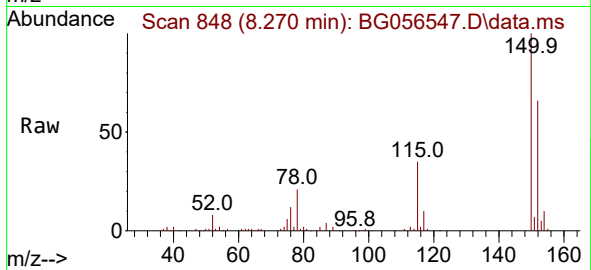




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.270 min Scan# 84
Delta R.T. -0.005 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37

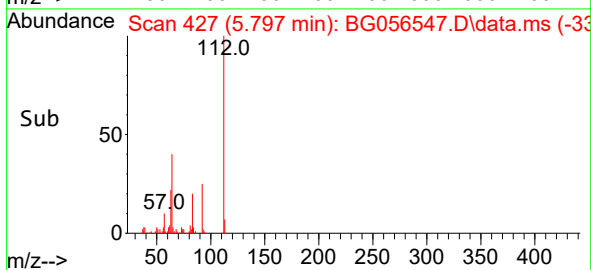
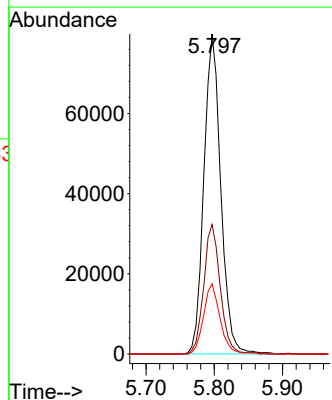
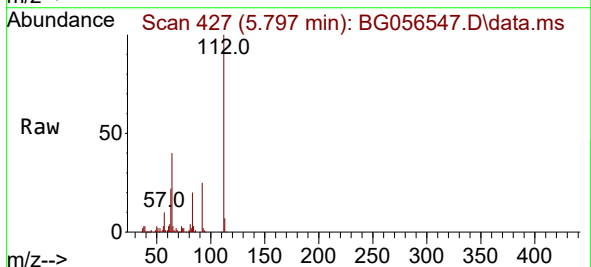
Instrument :
BNA_G
ClientSampleId :
TR-5-020223

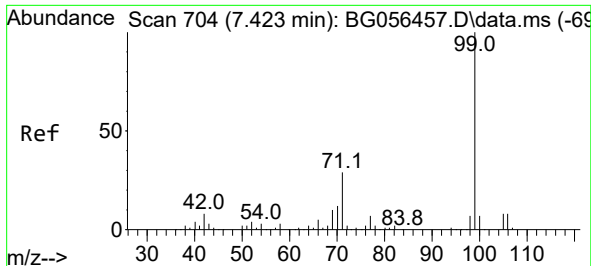
Tgt Ion:152 Resp: 54270
Ion Ratio Lower Upper
152 100
150 152.4 120.2 180.4
115 53.4 36.3 54.5



#5
2-Fluorophenol
Concen: 46.627 ng
RT: 5.797 min Scan# 427
Delta R.T. 0.001 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37

Tgt Ion:112 Resp: 137556
Ion Ratio Lower Upper
112 100
64 40.5 31.9 47.9
63 21.9 17.4 26.0





#7

Phenol-d6

Concen: 42.176 ng

RT: 7.418 min Scan# 704

Delta R.T. 0.001 min

Lab File: BG056547.D

Acq: 3 Feb 2023 20:37

Instrument :

BNA_G

ClientSampleId :

TR-5-020223

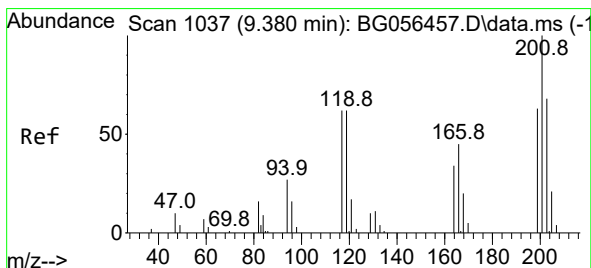
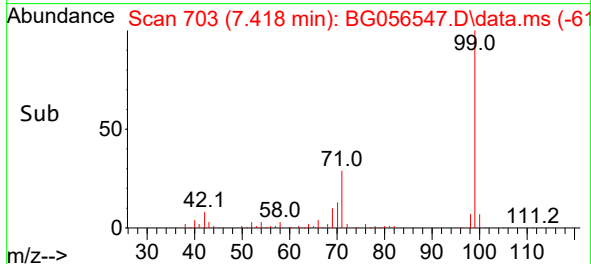
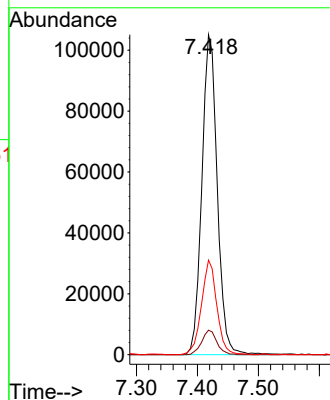
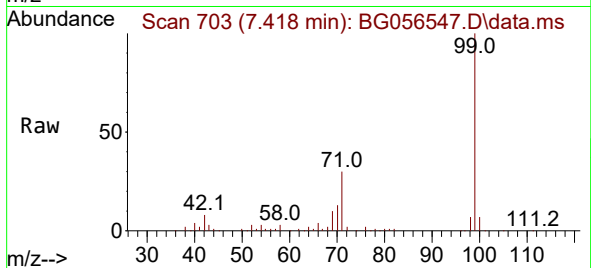
Tgt Ion: 99 Resp: 184357

Ion Ratio Lower Upper

99 100

42 7.7 6.6 10.0

71 29.6 23.4 35.0



#18

Hexachloroethane

Concen: 2.973 ng

RT: 9.386 min Scan# 1038

Delta R.T. 0.012 min

Lab File: BG056547.D

Acq: 3 Feb 2023 20:37

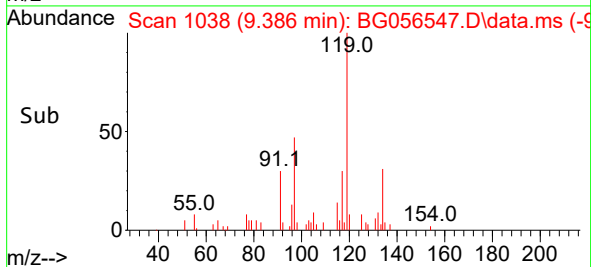
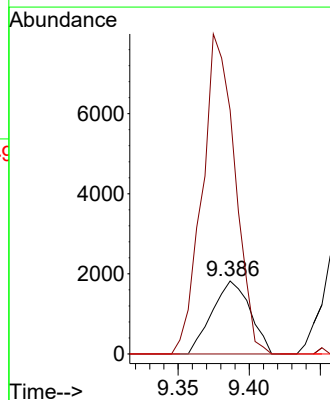
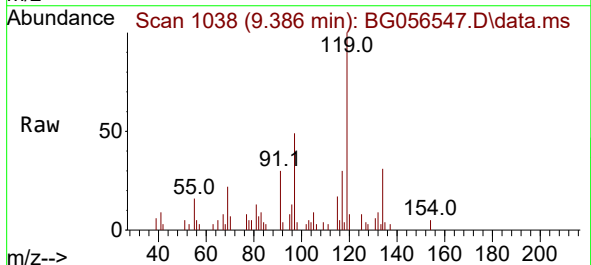
Tgt Ion: 117 Resp: 3398

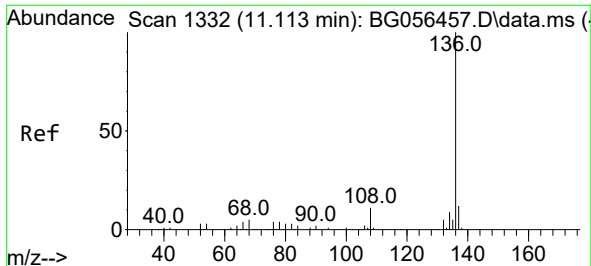
Ion Ratio Lower Upper

117 100

119 333.9 79.4 119.0#

201 0.0 128.5 192.7#



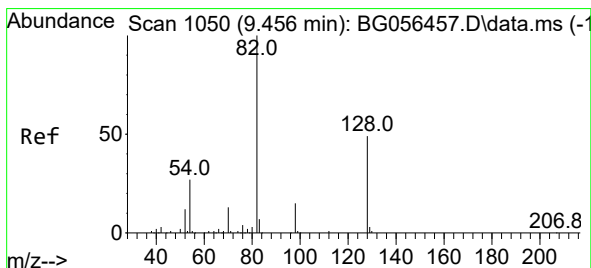
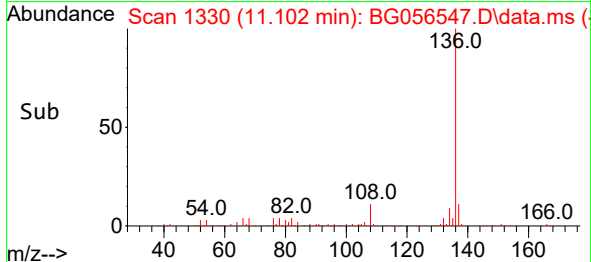
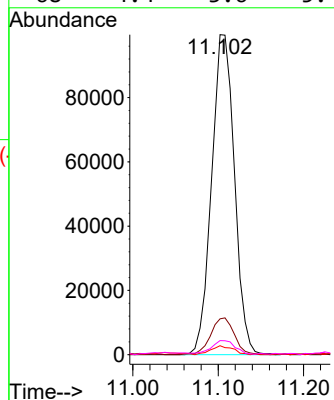
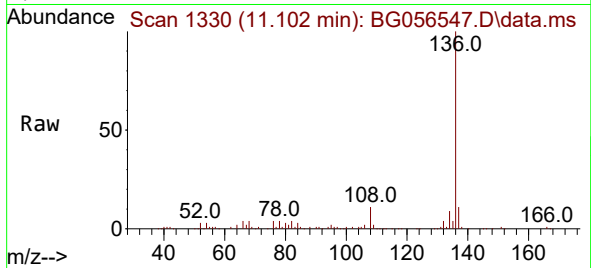


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.102 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37

Instrument :
BNA_G
ClientSampleId :
TR-5-020223

Tgt Ion:136 Resp: 185311

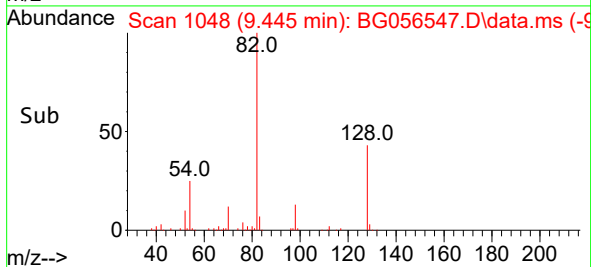
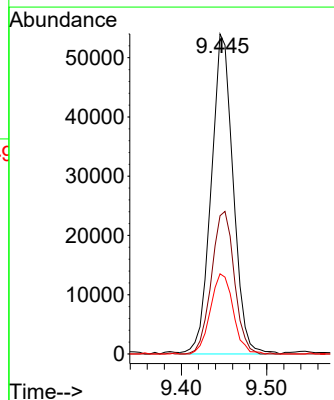
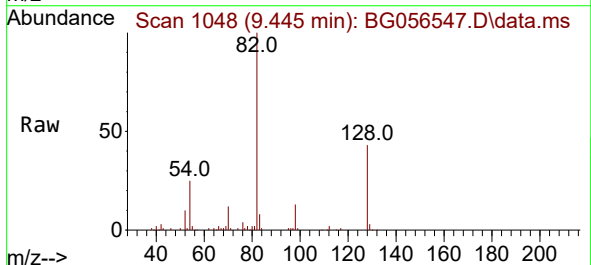
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.4	14.0
54	2.8	2.2	3.4
68	4.4	3.6	5.4

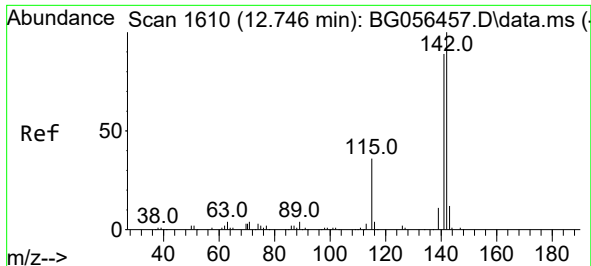


#23
Nitrobenzene-d5
Concen: 29.571 ng
RT: 9.445 min Scan# 1048
Delta R.T. -0.011 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37

Tgt Ion: 82 Resp: 96502

Ion	Ratio	Lower	Upper
82	100		
128	43.2	39.4	59.2
54	25.0	21.4	32.2





#37

2-Methylnaphthalene

Concen: 2.547 ng

RT: 12.741 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG056547.D

Acq: 3 Feb 2023 20:37

Instrument :

BNA_G

ClientSampleId :

TR-5-020223

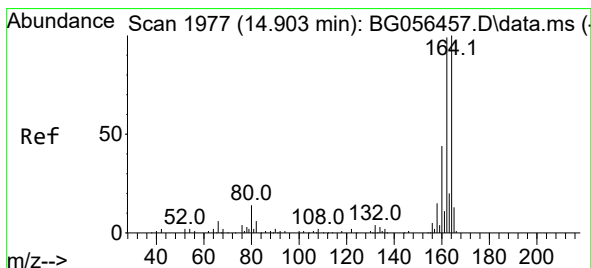
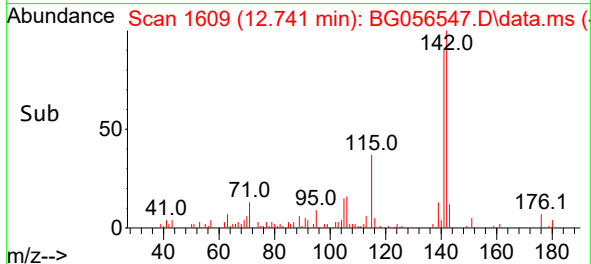
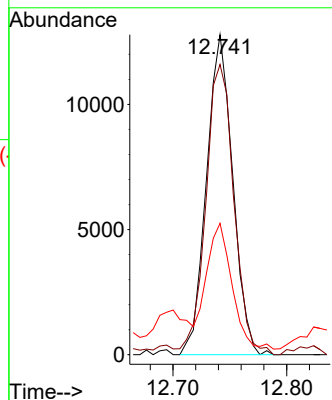
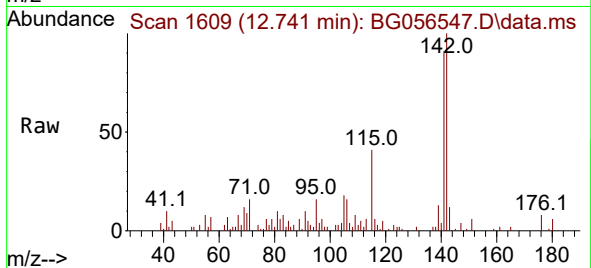
Tgt Ion:142 Resp: 20536

Ion Ratio Lower Upper

142 100

141 90.7 71.4 107.0

115 41.0 28.4 42.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.892 min Scan# 1975

Delta R.T. -0.005 min

Lab File: BG056547.D

Acq: 3 Feb 2023 20:37

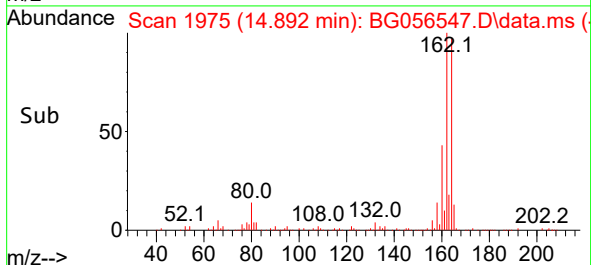
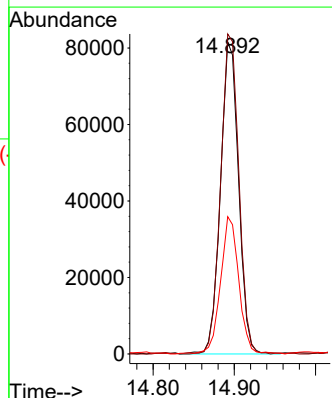
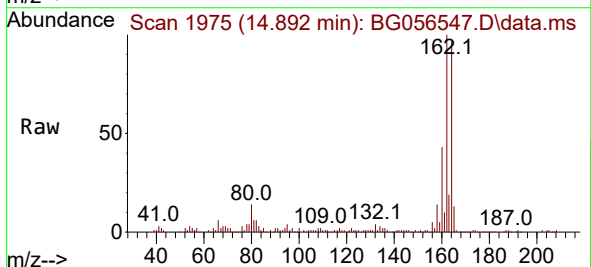
Tgt Ion:164 Resp: 126398

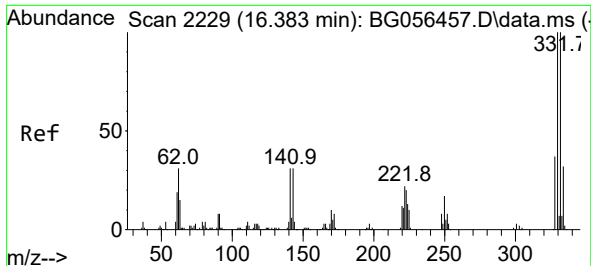
Ion Ratio Lower Upper

164 100

162 102.6 79.6 119.4

160 44.0 34.9 52.3

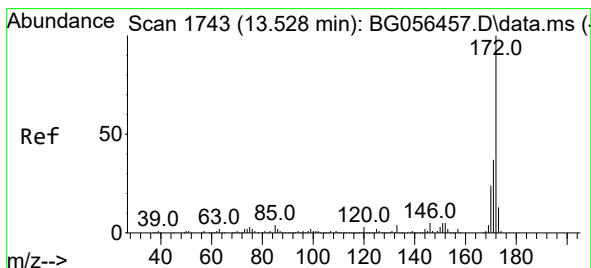
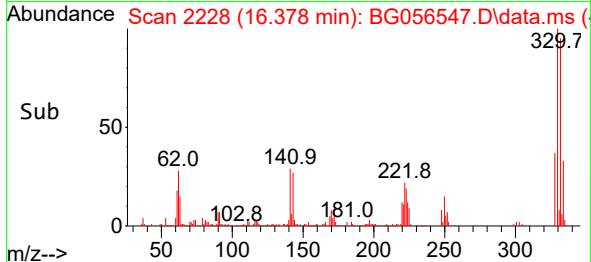
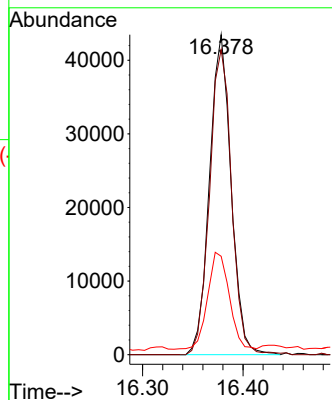
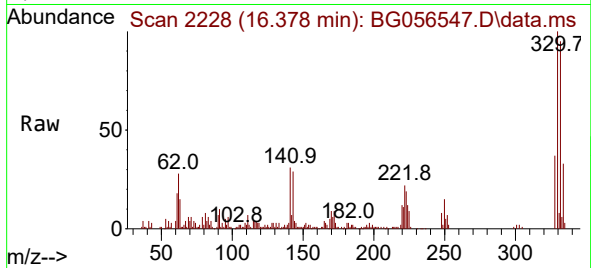




#42
 2,4,6-Tribromophenol
 Concen: 38.721 ng
 RT: 16.378 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG056547.D
 Acq: 3 Feb 2023 20:37

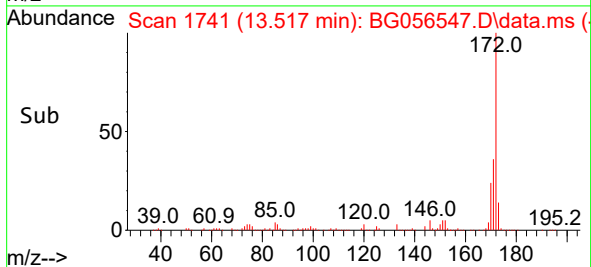
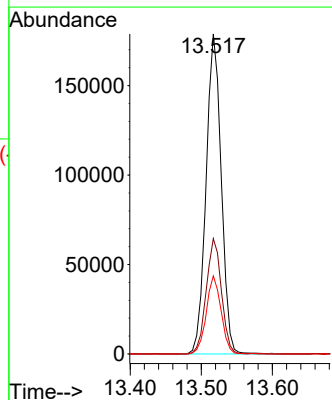
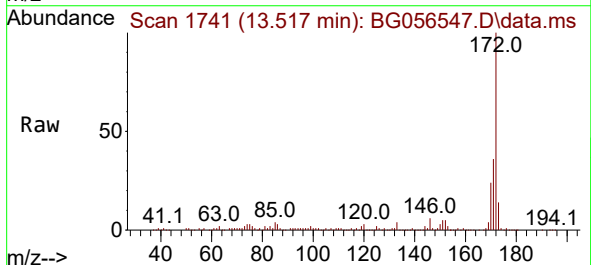
Instrument :
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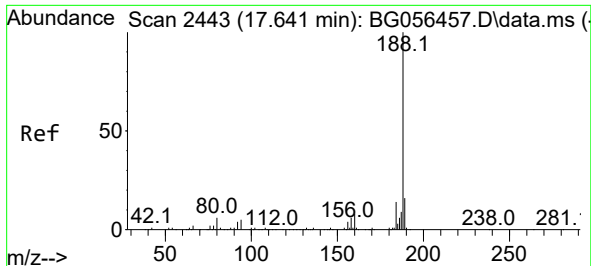
Tgt Ion:330 Resp: 65067
 Ion Ratio Lower Upper
 330 100
 332 97.3 79.0 118.6
 141 30.9 24.2 36.4



#45
 2-Fluorobiphenyl
 Concen: 29.125 ng
 RT: 13.517 min Scan# 1741
 Delta R.T. -0.005 min
 Lab File: BG056547.D
 Acq: 3 Feb 2023 20:37

Tgt Ion:172 Resp: 265530
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.5 44.3
 170 24.4 19.2 28.8

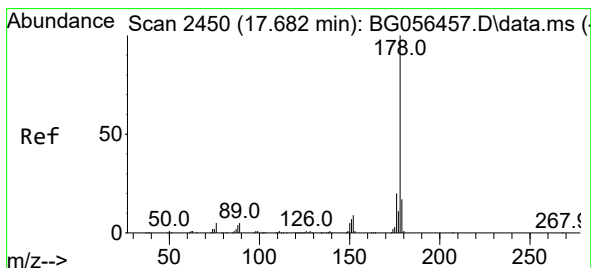
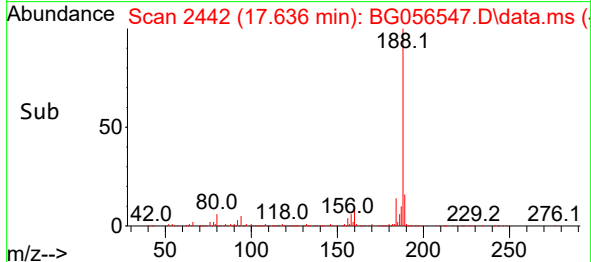
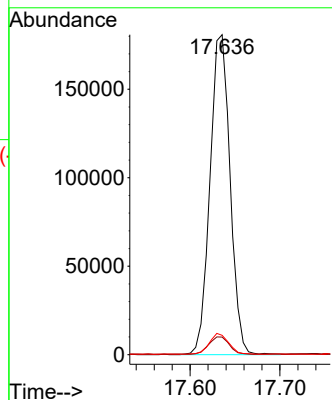
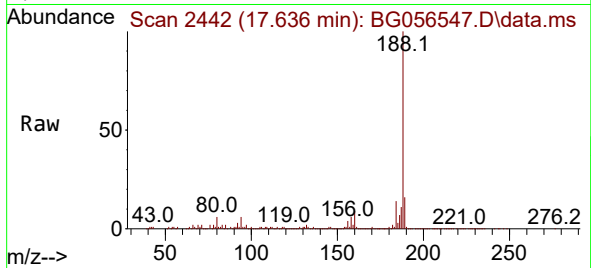




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.636 min Scan# 2442
Delta R.T. 0.001 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37

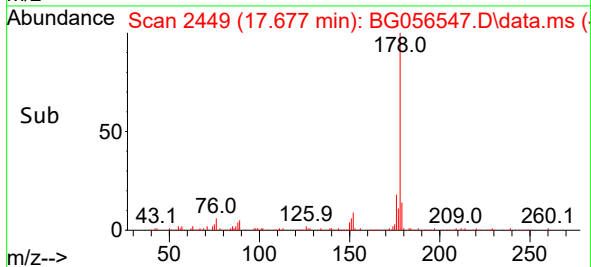
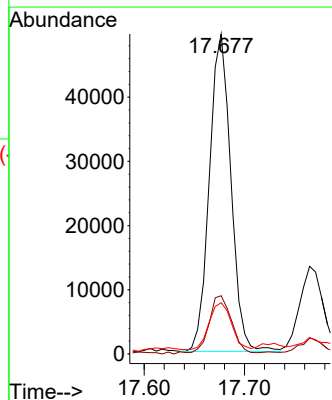
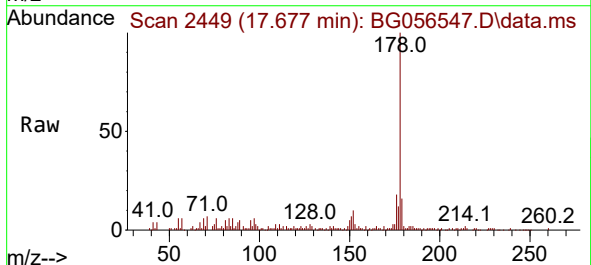
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BNA_G
ClientSampleId :
TR-5-020223

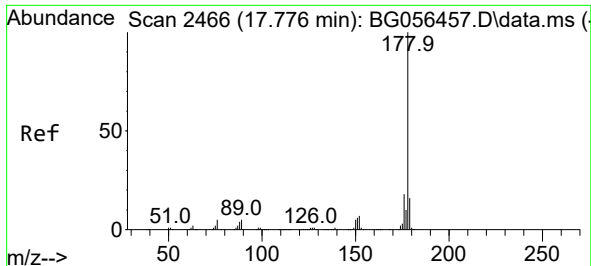
Tgt Ion:188 Resp: 281181
Ion Ratio Lower Upper
188 100
94 5.5 4.1 6.1
80 6.1 5.0 7.4



#71
Phenanthrene
Concen: 5.007 ng
RT: 17.677 min Scan# 2449
Delta R.T. 0.001 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37

Tgt Ion:178 Resp: 73690
Ion Ratio Lower Upper
178 100
176 18.2 15.6 23.4
179 16.0 13.3 19.9

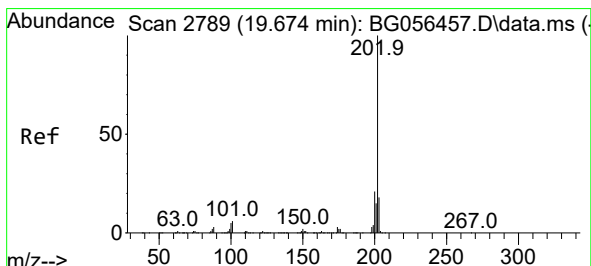
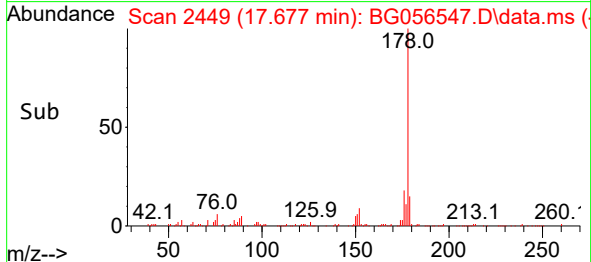
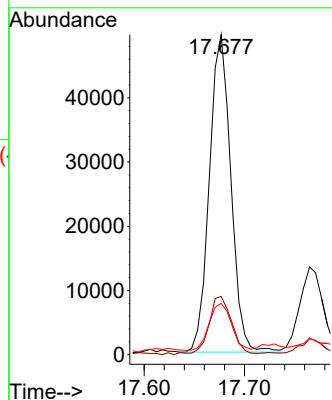
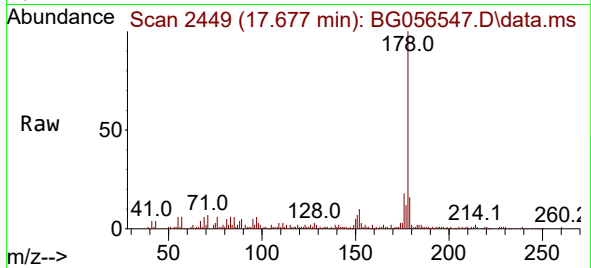




#72
 Anthracene
 Concen: 4.878 ng
 RT: 17.677 min Scan# 2466
 Delta R.T. -0.093 min
 Lab File: BG056547.D
 Acq: 3 Feb 2023 20:37

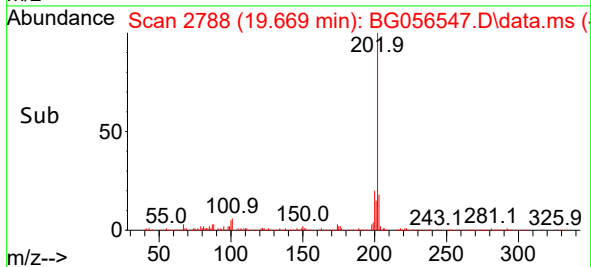
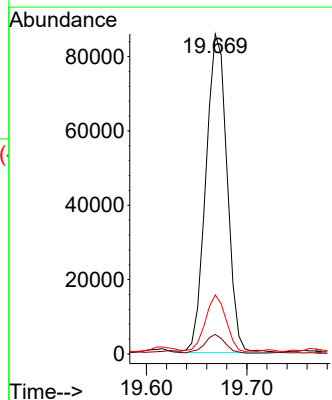
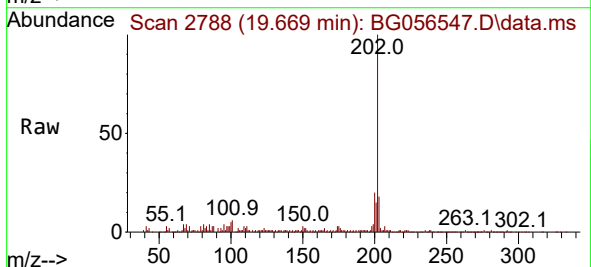
Instrument :
 BNA_G
 ClientSampleId :
 TR-5-020223

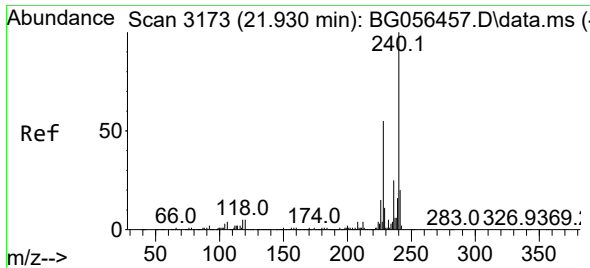
Tgt Ion:178 Resp: 73690
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.5 21.7
 179 16.0 12.5 18.7



#75
 Fluoranthene
 Concen: 6.777 ng
 RT: 19.669 min Scan# 2788
 Delta R.T. 0.001 min
 Lab File: BG056547.D
 Acq: 3 Feb 2023 20:37

Tgt Ion:202 Resp: 125874
 Ion Ratio Lower Upper
 202 100
 101 6.1 0.0 25.6
 203 18.4 0.0 38.1

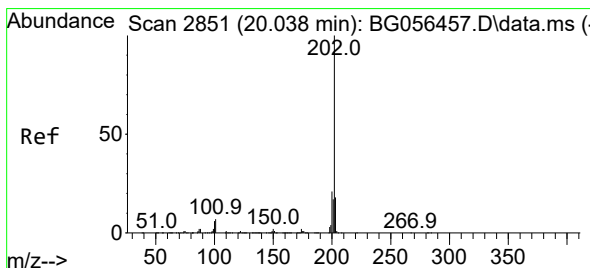
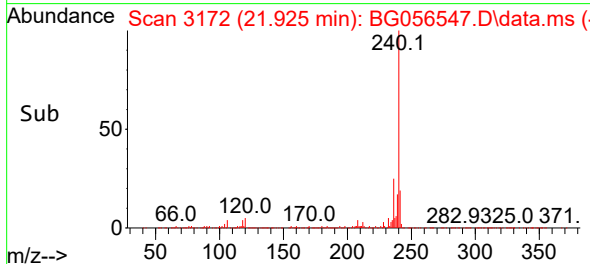
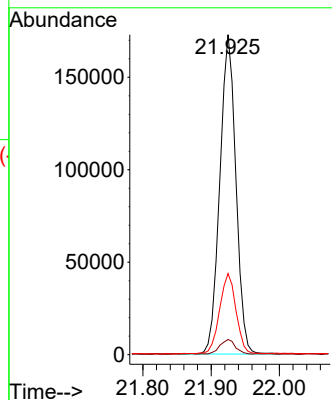
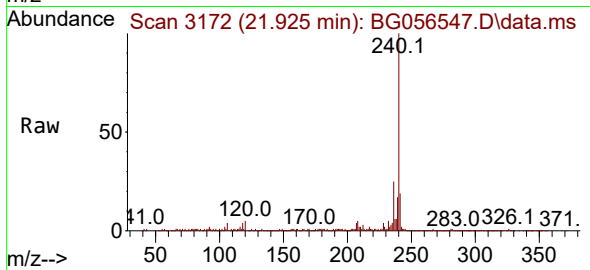




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.925 min Scan# 3173
Delta R.T. 0.001 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37

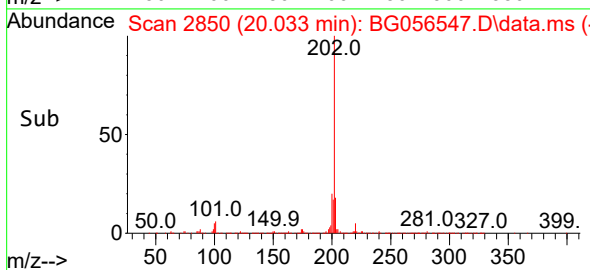
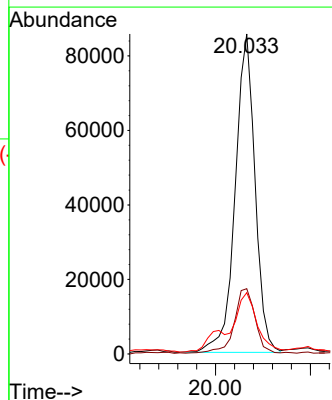
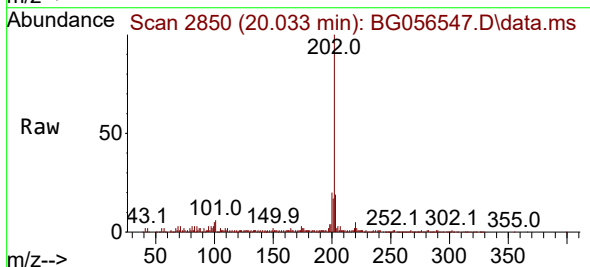
Instrument :
BNA_G
ClientSampleId :
TR-5-020223

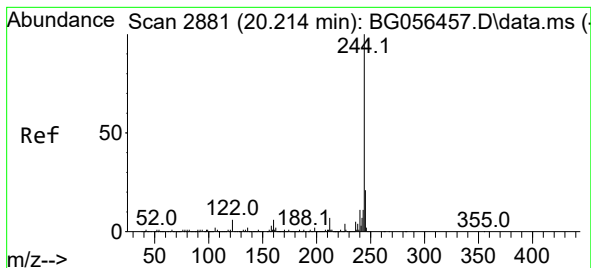
Tgt Ion:240 Resp: 282833
Ion Ratio Lower Upper
240 100
120 4.7 3.8 5.8
236 25.4 20.2 30.2



#78
Pyrene
Concen: 6.177 ng
RT: 20.033 min Scan# 2850
Delta R.T. 0.001 min
Lab File: BG056547.D
Acq: 3 Feb 2023 20:37

Tgt Ion:202 Resp: 124262
Ion Ratio Lower Upper
202 100
200 20.4 16.7 25.1
203 19.2 14.4 21.6





#79

Terphenyl-d14

Concen: 27.142 ng

RT: 20.209 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG056547.D

Acq: 3 Feb 2023 20:37

Instrument :

BNA_G

ClientSampleId :

TR-5-020223

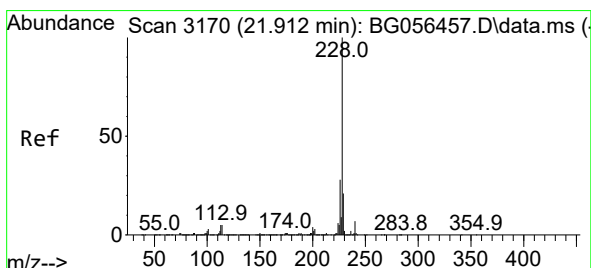
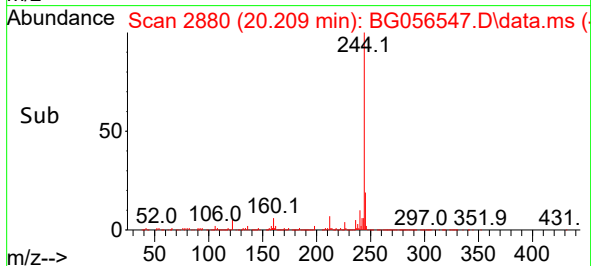
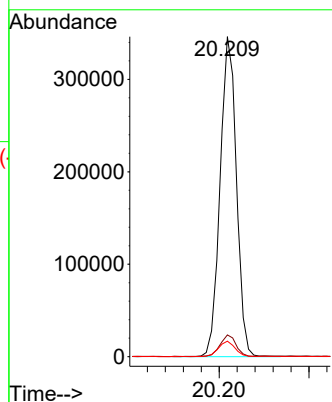
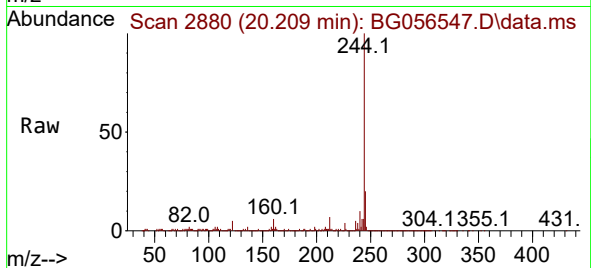
Tgt Ion:244 Resp: 437072

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 4.8 4.4 6.6



#81

Benzo(a)anthracene

Concen: 2.171 ng

RT: 21.901 min Scan# 3168

Delta R.T. 0.001 min

Lab File: BG056547.D

Acq: 3 Feb 2023 20:37

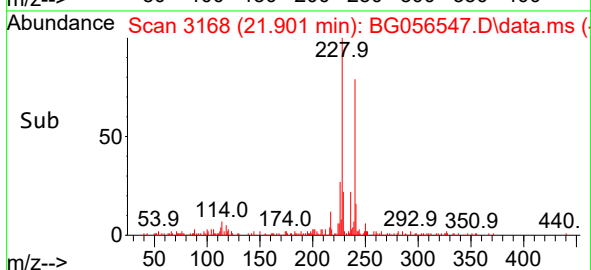
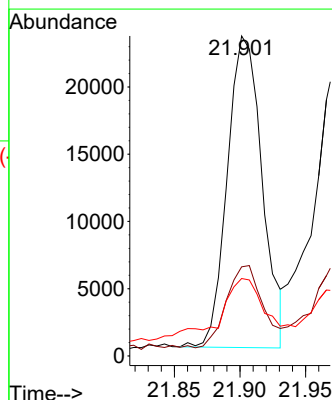
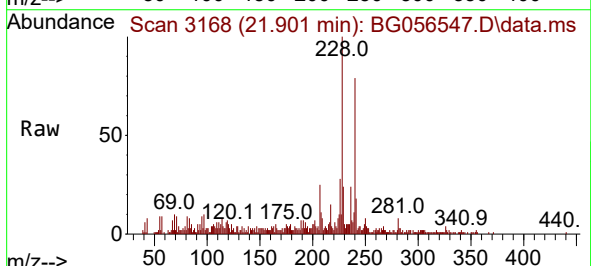
Tgt Ion:228 Resp: 42925

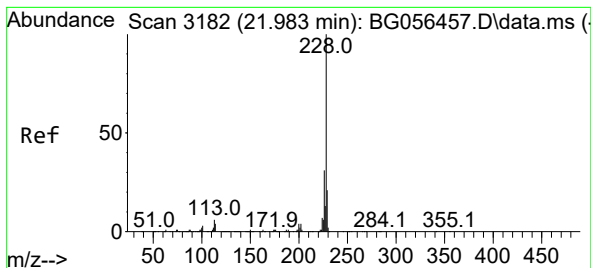
Ion Ratio Lower Upper

228 100

226 27.9 22.4 33.6

229 24.2 16.5 24.7





#83

Chrysene

Concen: 2.244 ng

RT: 21.972 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG056547.D

Acq: 3 Feb 2023 20:37

Instrument :

BNA_G

ClientSampleId :

TR-5-020223

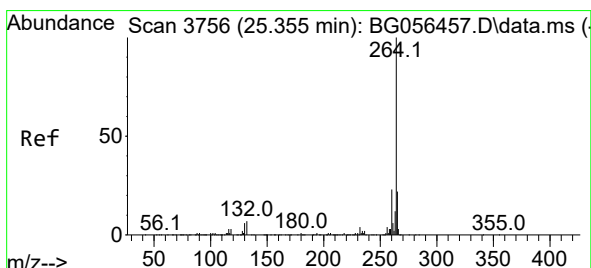
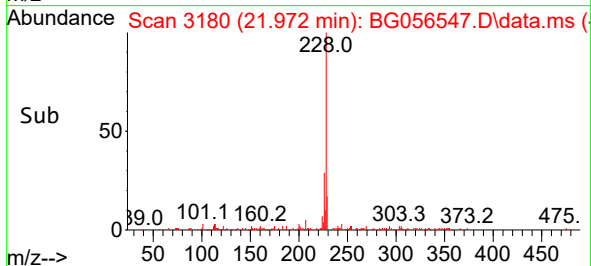
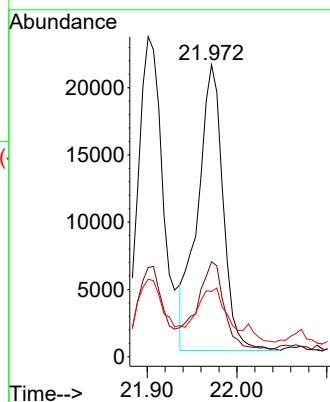
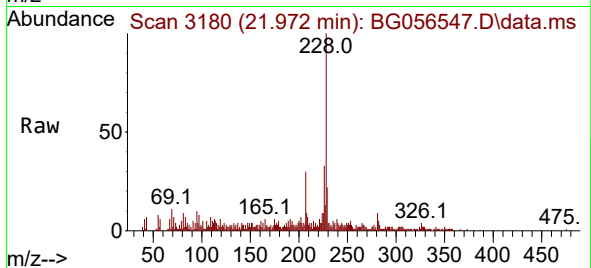
Tgt Ion:228 Resp: 41685

Ion Ratio Lower Upper

228 100

226 32.5 25.0 37.4

229 22.4 16.4 24.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.350 min Scan# 3755

Delta R.T. 0.006 min

Lab File: BG056547.D

Acq: 3 Feb 2023 20:37

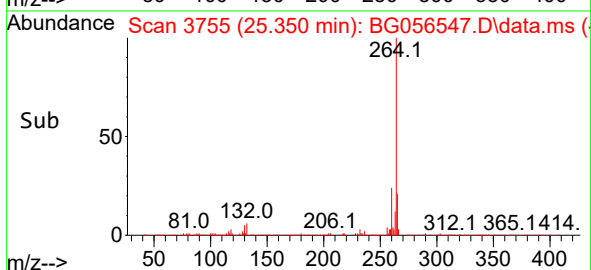
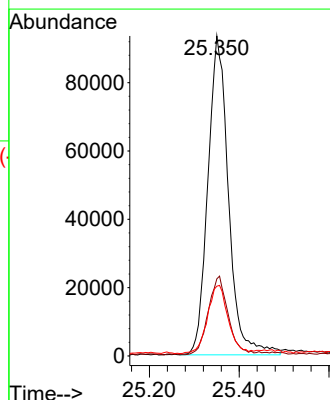
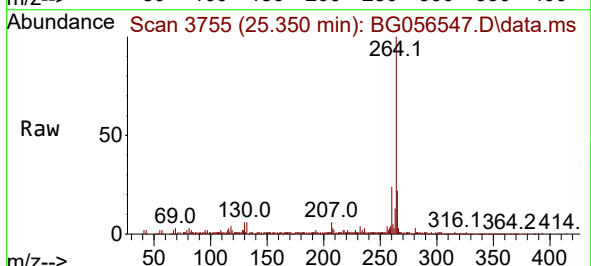
Tgt Ion:264 Resp: 297662

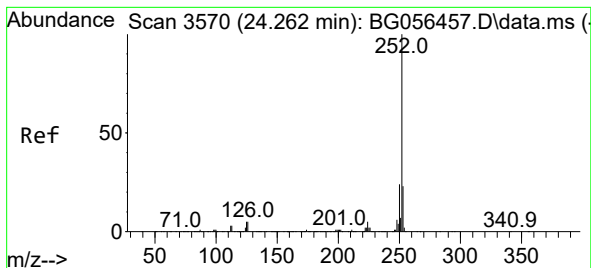
Ion Ratio Lower Upper

264 100

260 24.1 18.2 27.4

265 21.8 18.1 27.1





#88

Benzo(b)fluoranthene

Concen: 2.200 ng

RT: 24.251 min Scan# 3568

Delta R.T. 0.001 min

Lab File: BG056547.D

Acq: 3 Feb 2023 20:37

Instrument :

BNA_G

ClientSampleId :

TR-5-020223

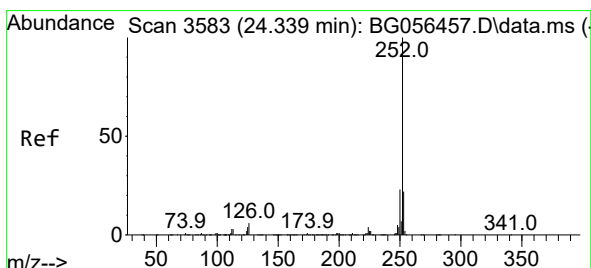
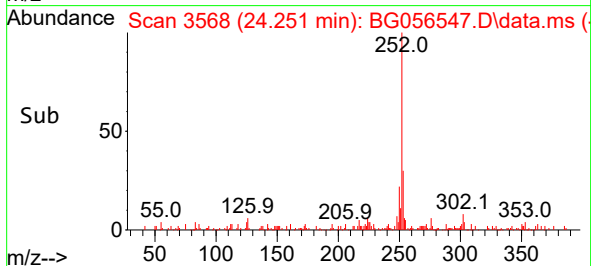
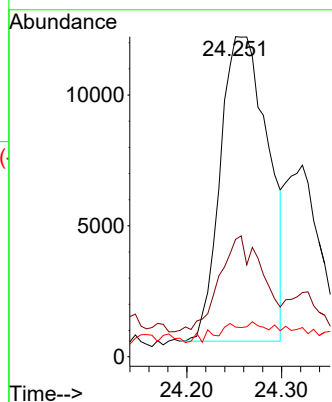
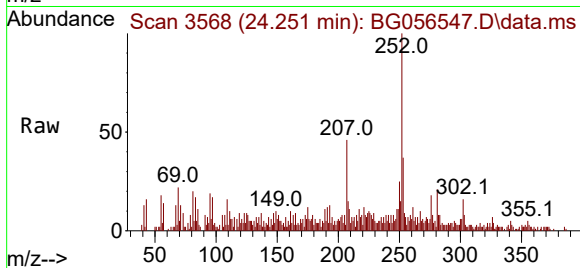
Tgt Ion:252 Resp: 40640

Ion Ratio Lower Upper

252 100

253 36.6 18.1 27.1#

125 9.2 3.9 5.9#



#89

Benzo(k)fluoranthene

Concen: 2.179 ng

RT: 24.251 min Scan# 3568

Delta R.T. -0.070 min

Lab File: BG056547.D

Acq: 3 Feb 2023 20:37

Tgt Ion:252 Resp: 40640

Ion Ratio Lower Upper

252 100

253 36.6 17.5 26.3#

125 9.2 3.4 5.0#

