

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020623\
 Data File : BG056558.D
 Acq On : 6 Feb 2023 17:05
 Operator : CG/JU
 Sample : 01414-01RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SASP2-123-2(0-5)

Quant Time: Feb 07 04:34:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 07 04:30:04 2023
 Response via : Initial Calibration

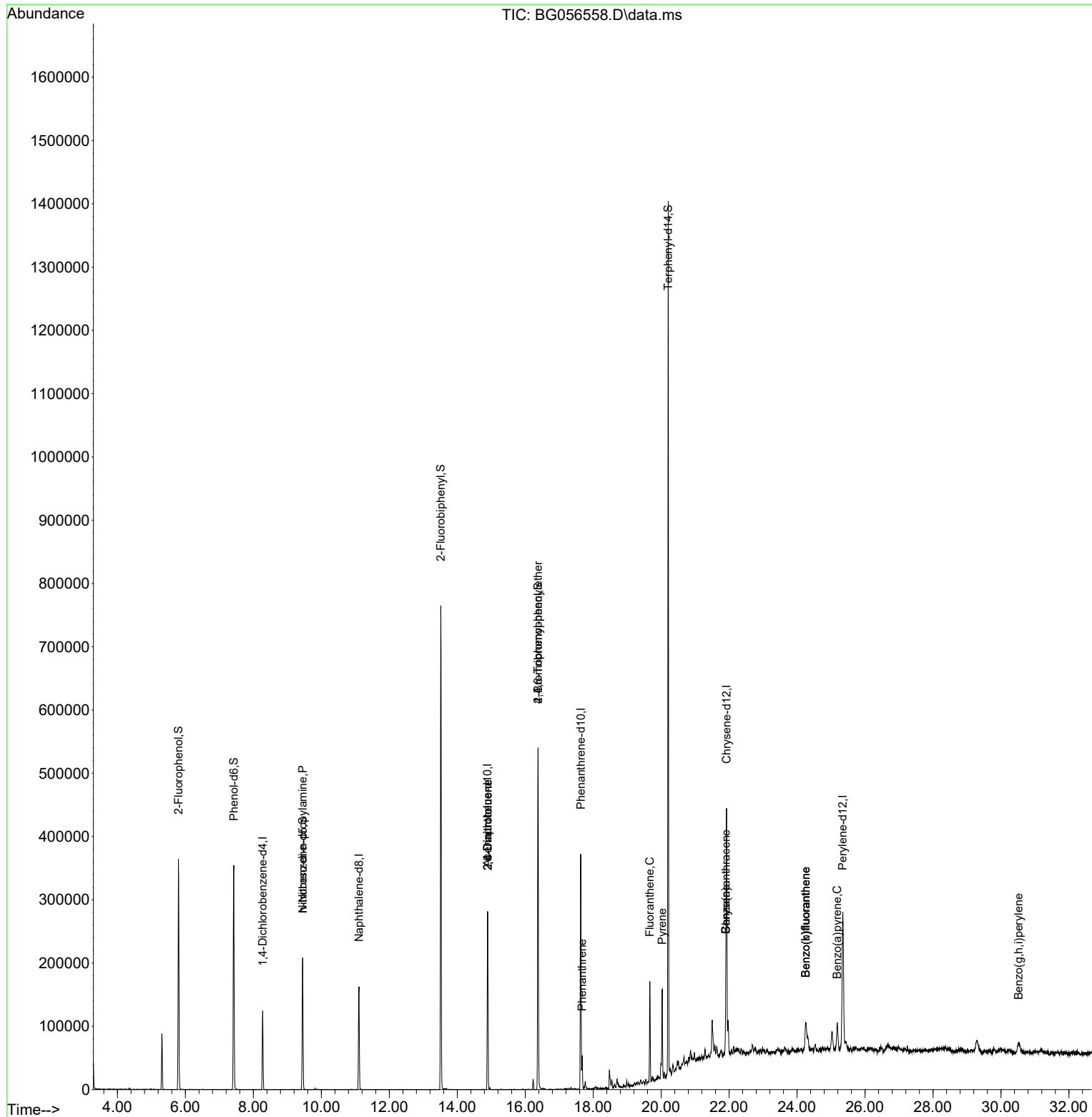
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.276	152	42135	20.000	ng	# 0.00
21) Naphthalene-d8	11.108	136	156680	20.000	ng	0.00
39) Acenaphthene-d10	14.891	164	112966	20.000	ng	0.00
64) Phenanthrene-d10	17.635	188	270563	20.000	ng	0.00
76) Chrysene-d12	21.924	240	249791	20.000	ng	0.00
86) Perylene-d12	25.344	264	268176	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	210805	92.036	ng	0.00
7) Phenol-d6	7.424	99	288603	85.040	ng	0.00
23) Nitrobenzene-d5	9.451	82	148600	53.857	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	120376	80.154	ng	0.00
45) 2-Fluorobiphenyl	13.516	172	439684	53.962	ng	0.00
79) Terphenyl-d14	20.209	244	734316	51.632	ng	0.00
Target Compounds						
9) Benzaldehyde	7.424	77	326	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propyla...	9.451	70	18247	9.330	ng	# 75
51) 2,6-Dinitrotoluene	14.897	165	14315	7.182	ng	# 36
57) 2,4-Dinitrotoluene	14.897	165	14315	5.099	ng	# 35
67) 4-Bromophenyl-phenylether	16.378	248	9614	2.776	ng	# 1
71) Phenanthrene	17.676	178	36767	2.596	ng	97
75) Fluoranthene	19.668	202	106414	5.954	ng	99
78) Pyrene	20.032	202	101276	5.701	ng	99
81) Benzo(a)anthracene	21.901	228	50476	2.890	ng	98
83) Chrysene	21.901	228	50476	3.077	ng	95
88) Benzo(b)fluoranthene	24.251	252	64127	3.853	ng	97
89) Benzo(k)fluoranthene	24.251	252	64127	3.816	ng	95
90) Benzo(a)pyrene	25.179	252	50062	3.053	ng	99
92) Benzo(g,h,i)perylene	30.514	276	38160	2.400	ng	# 92

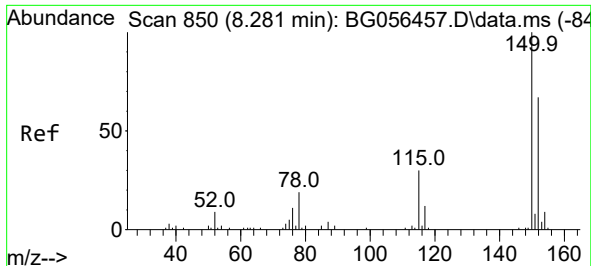
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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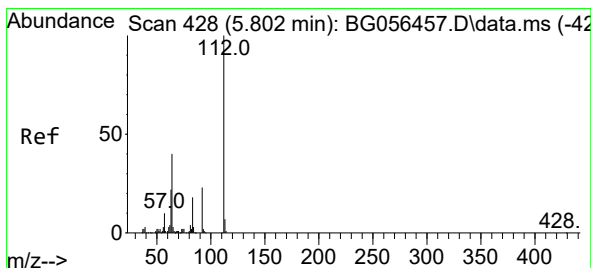
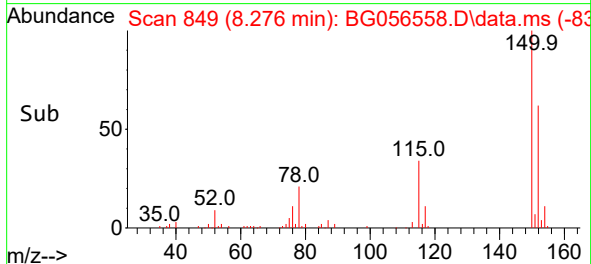
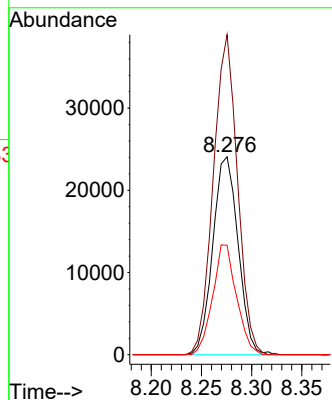
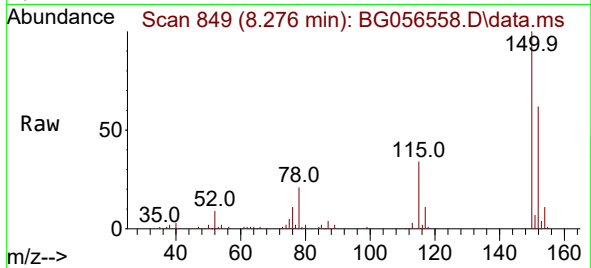




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.276 min Scan# 84
Delta R.T. 0.001 min
Lab File: BG056558.D
Acq: 6 Feb 2023 17:05

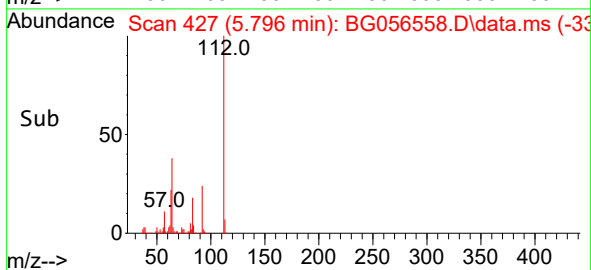
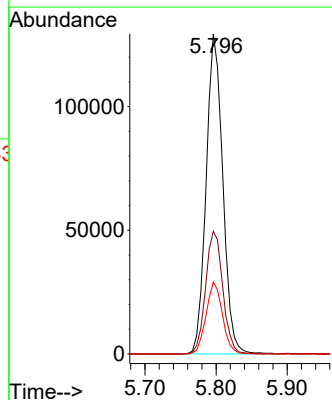
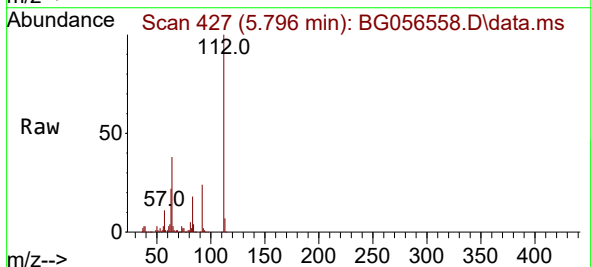
Instrument :
BNA_G
ClientSampleId :
SASP2-123-2(0-5)

Tgt Ion:152 Resp: 42135
Ion Ratio Lower Upper
152 100
150 161.7 120.2 180.4
115 55.3 36.3 54.5#



#5
2-Fluorophenol
Concen: 92.036 ng
RT: 5.796 min Scan# 427
Delta R.T. 0.006 min
Lab File: BG056558.D
Acq: 6 Feb 2023 17:05

Tgt Ion:112 Resp: 210805
Ion Ratio Lower Upper
112 100
64 38.4 31.9 47.9
63 22.4 17.4 26.0

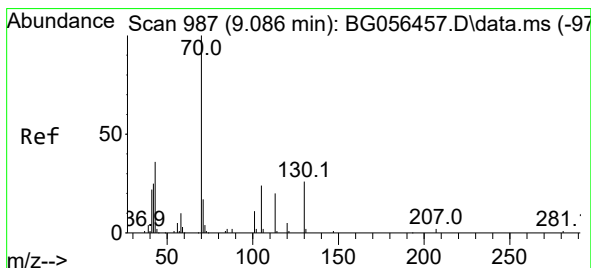
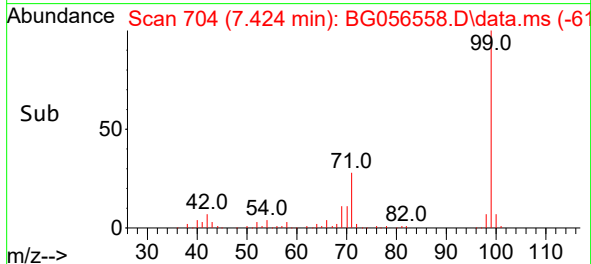
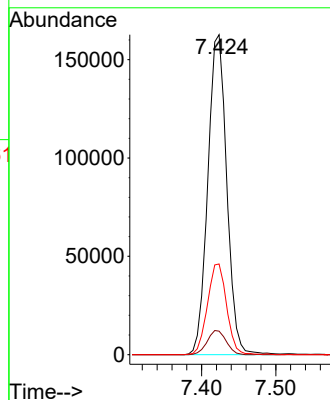
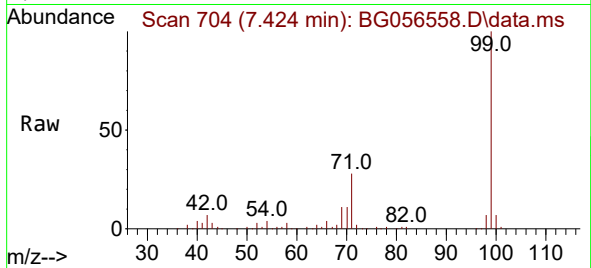




#7
Phenol-d6
Concen: 85.040 ng
RT: 7.424 min Scan# 704
Delta R.T. 0.006 min
Lab File: BG056558.D
Acq: 6 Feb 2023 17:05

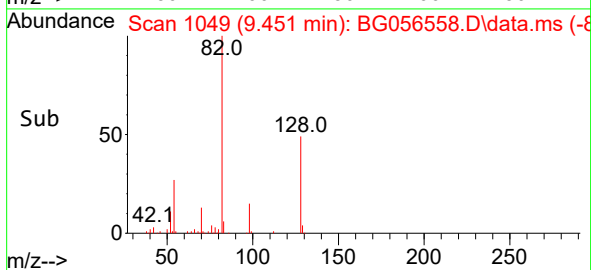
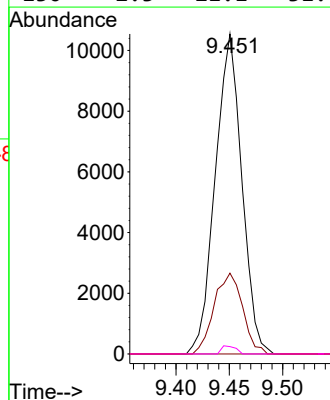
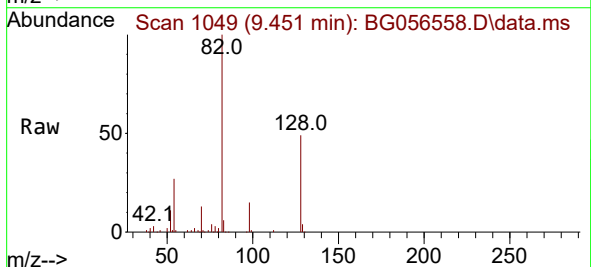
Instrument :
BNA_G
ClientSampleId :
SASP2-123-2(0-5)

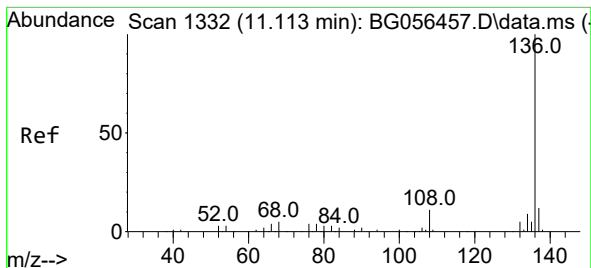
Tgt Ion: 99 Resp: 288603
Ion Ratio Lower Upper
99 100
42 7.4 6.6 10.0
71 28.3 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 9.330 ng
RT: 9.451 min Scan# 1049
Delta R.T. 0.376 min
Lab File: BG056558.D
Acq: 6 Feb 2023 17:05

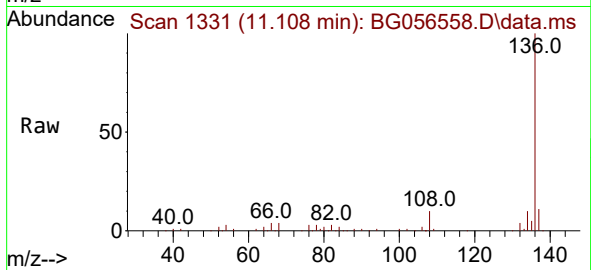
Tgt Ion: 70 Resp: 18247
Ion Ratio Lower Upper
70 100
42 25.3 20.2 30.4
101 0.0 9.1 13.7#
130 2.3 21.1 31.7#



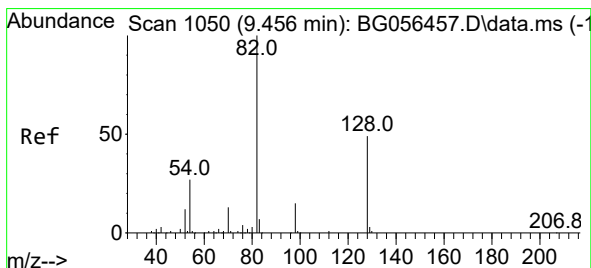
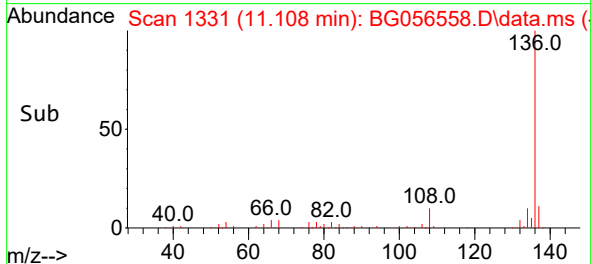
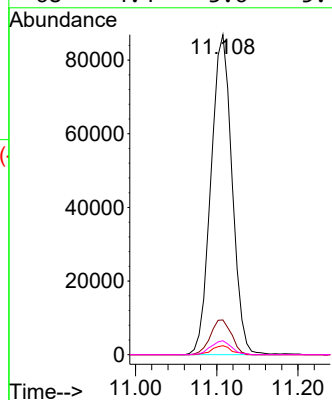


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.108 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG056558.D
Acq: 6 Feb 2023 17:05

Instrument :
BNA_G
ClientSampleId :
SASP2-123-2(0-5)

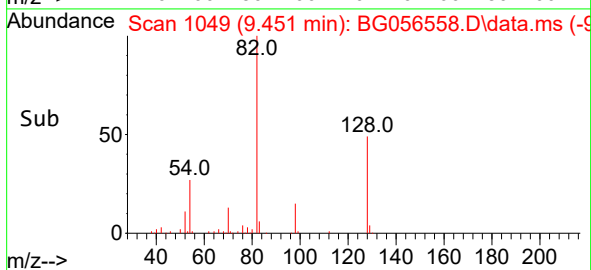
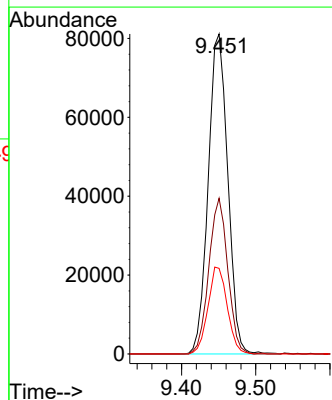
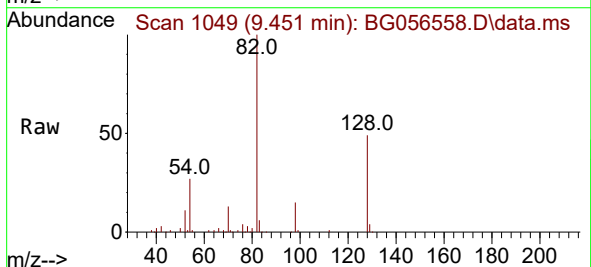


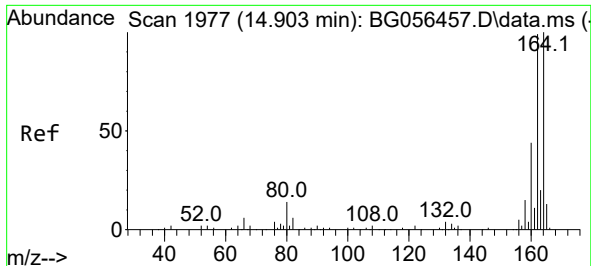
Tgt Ion:136 Resp: 156680
Ion Ratio Lower Upper
136 100
137 10.9 9.4 14.0
54 2.8 2.2 3.4
68 4.4 3.6 5.4



#23
Nitrobenzene-d5
Concen: 53.857 ng
RT: 9.451 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BG056558.D
Acq: 6 Feb 2023 17:05

Tgt Ion: 82 Resp: 148600
Ion Ratio Lower Upper
82 100
128 48.7 39.4 59.2
54 26.7 21.4 32.2

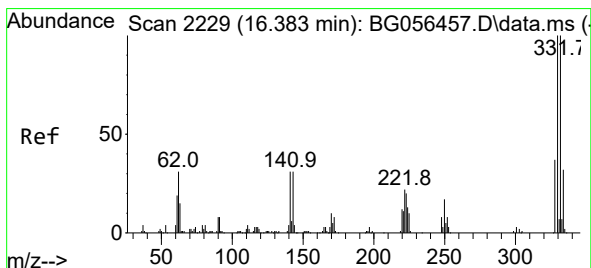
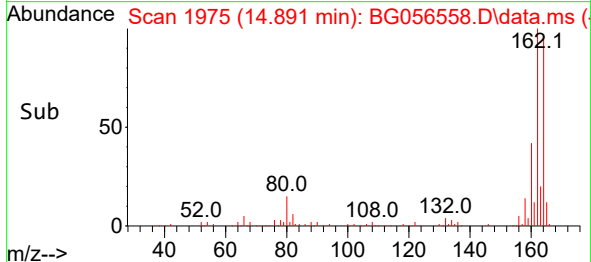
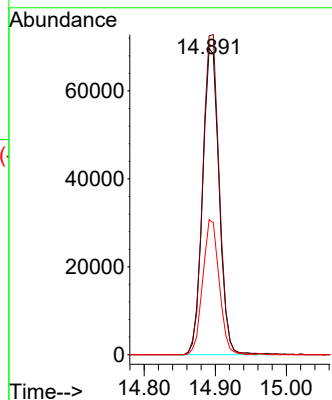
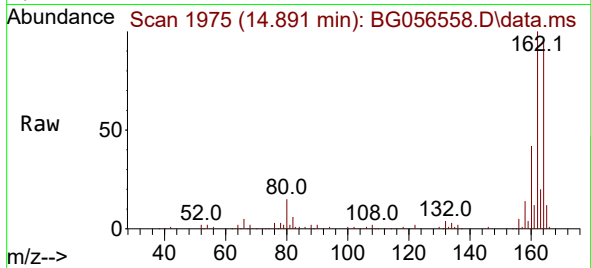




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.891 min Scan# 1975
Delta R.T. -0.005 min
Lab File: BG056558.D
Acq: 6 Feb 2023 17:05

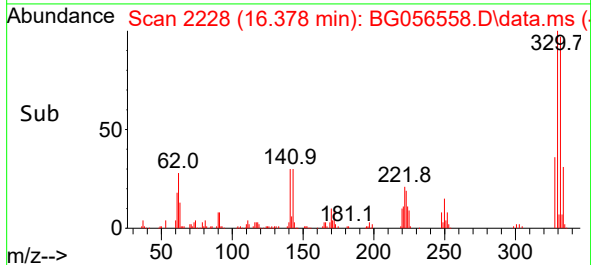
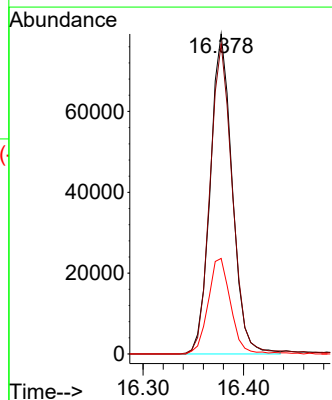
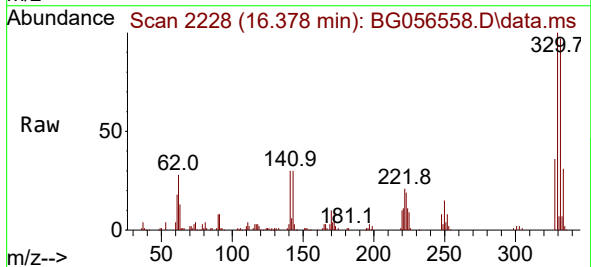
Instrument :
BNA_G
ClientSampleId :
SASP2-123-2(0-5)

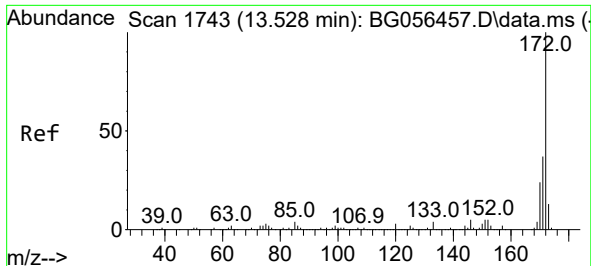
Tgt Ion:164 Resp: 112966
Ion Ratio Lower Upper
164 100
162 104.0 79.6 119.4
160 44.1 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 80.154 ng
RT: 16.378 min Scan# 2228
Delta R.T. -0.005 min
Lab File: BG056558.D
Acq: 6 Feb 2023 17:05

Tgt Ion:330 Resp: 120376
Ion Ratio Lower Upper
330 100
332 99.8 79.0 118.6
141 30.8 24.2 36.4

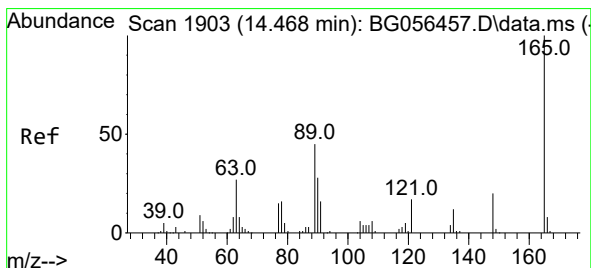
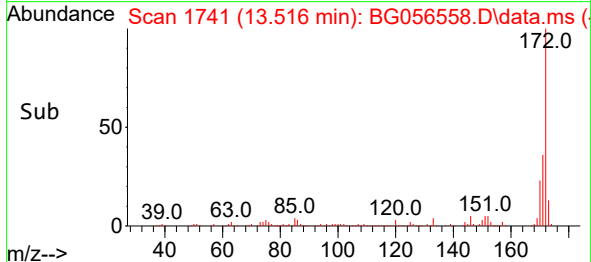
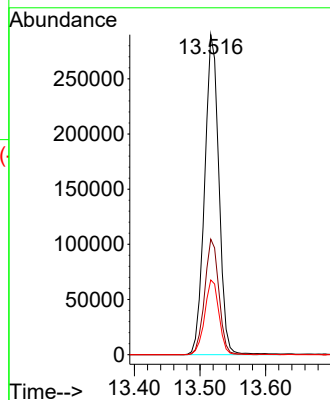
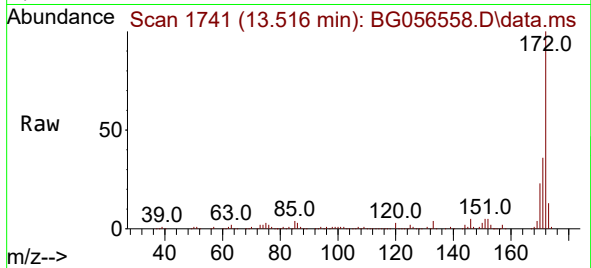




#45
2-Fluorobiphenyl
Concen: 53.962 ng
RT: 13.516 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG056558.D
Acq: 6 Feb 2023 17:05

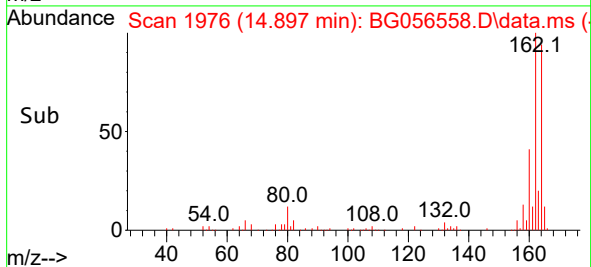
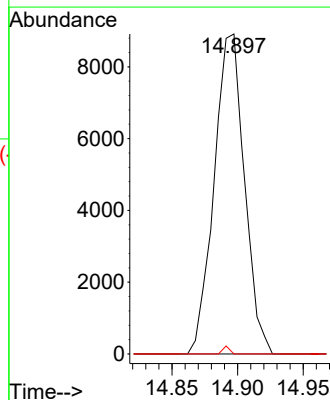
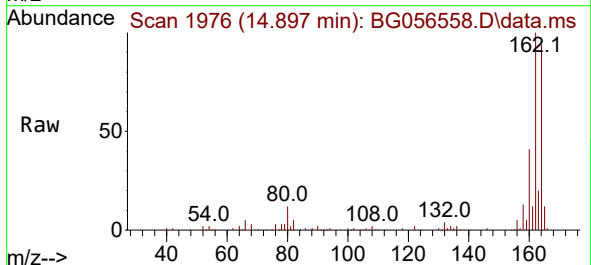
Instrument :
BNA_G
ClientSampleId :
SASP2-123-2(0-5)

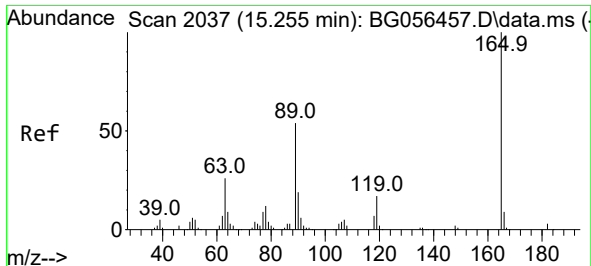
Tgt Ion:172 Resp: 439684
Ion Ratio Lower Upper
172 100
171 36.1 29.5 44.3
170 23.4 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 7.182 ng
RT: 14.897 min Scan# 1976
Delta R.T. 0.429 min
Lab File: BG056558.D
Acq: 6 Feb 2023 17:05

Tgt Ion:165 Resp: 14315
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: 5.099 ng

RT: 14.897 min Scan# 1976

Delta R.T. -0.358 min

Lab File: BG056558.D

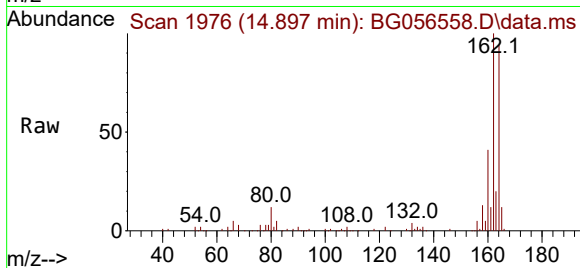
Acq: 6 Feb 2023 17:05

Instrument :

BNA_G

ClientSampleId :

SASP2-123-2(0-5)



Tgt Ion:165 Resp: 14315

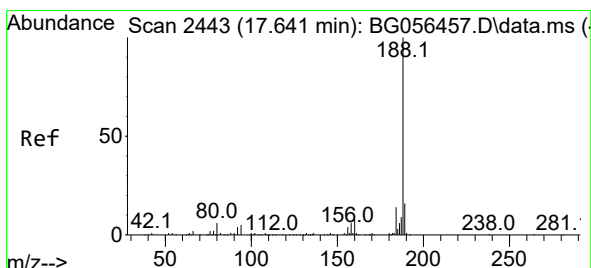
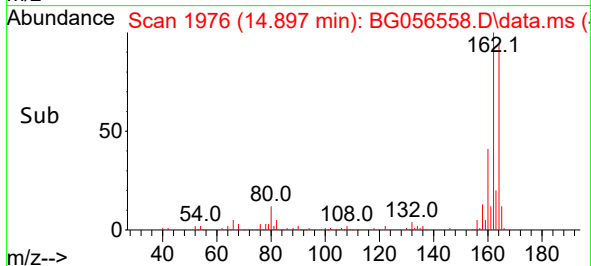
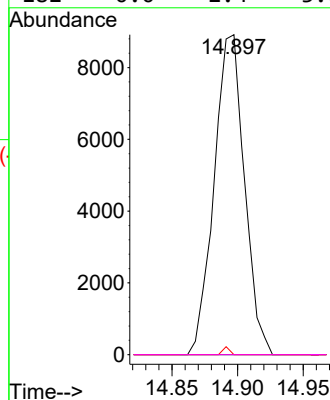
Ion Ratio Lower Upper

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: 17.635 min Scan# 2442

Delta R.T. -0.005 min

Lab File: BG056558.D

Acq: 6 Feb 2023 17:05

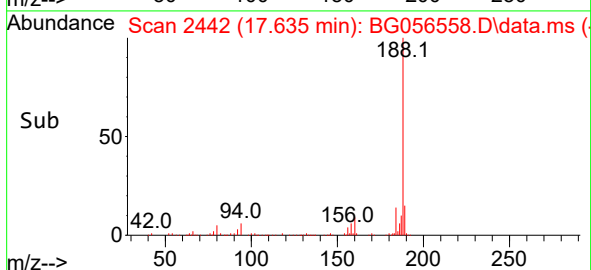
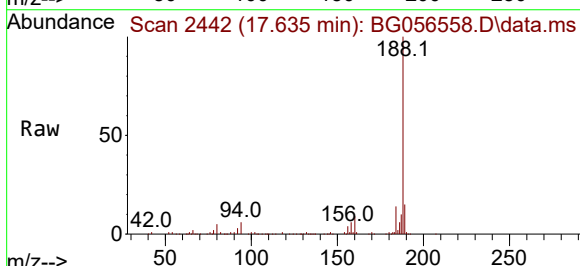
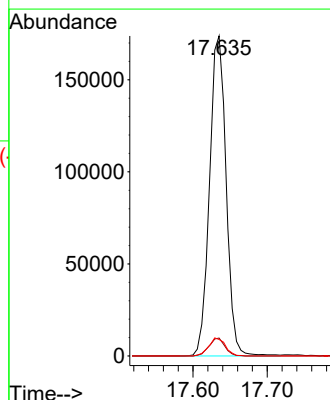
Tgt Ion:188 Resp: 270563

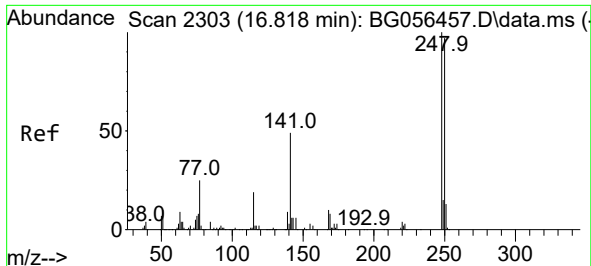
Ion Ratio Lower Upper

188 100

94 5.6 4.1 6.1

80 5.2 5.0 7.4

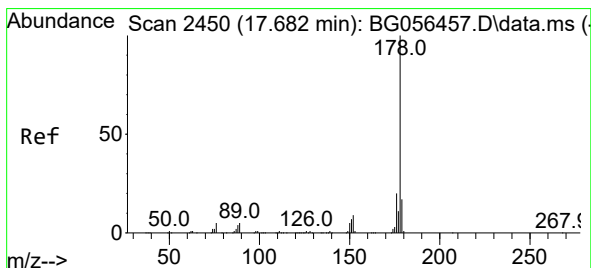
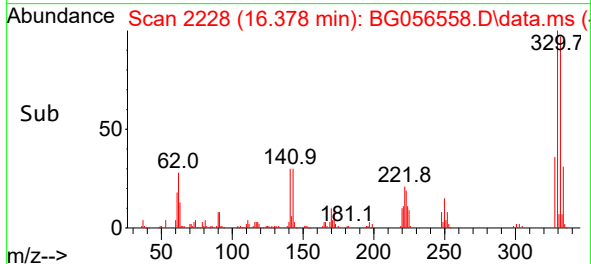
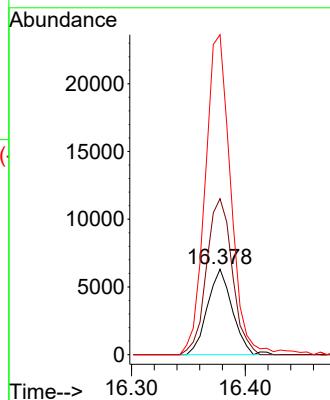
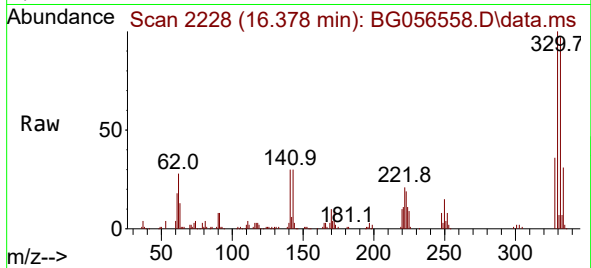




#67
4-Bromophenyl-phenylether
Concen: 2.776 ng
RT: 16.378 min Scan# 21
Delta R.T. -0.434 min
Lab File: BG056558.D
Acq: 6 Feb 2023 17:05

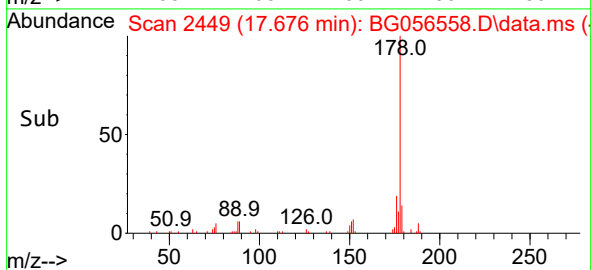
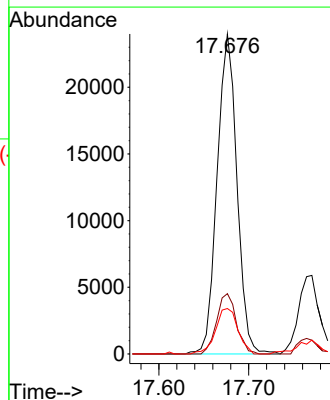
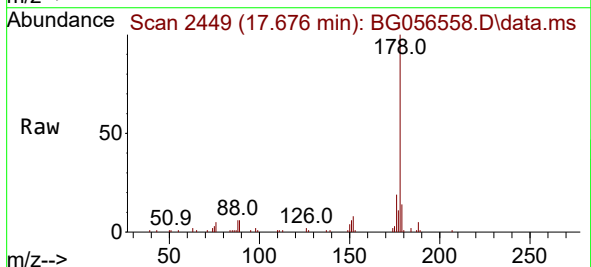
Instrument :
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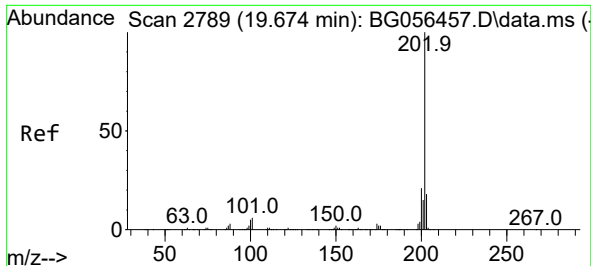
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Ion Ratio Lower Upper
248 100
250 182.7 77.6 116.4#
141 374.7 39.0 58.4#



#71
Phenanthrene
Concen: 2.596 ng
RT: 17.676 min Scan# 2449
Delta R.T. -0.005 min
Lab File: BG056558.D
Acq: 6 Feb 2023 17:05

Tgt Ion:178 Resp: 36767
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 14.2 13.3 19.9

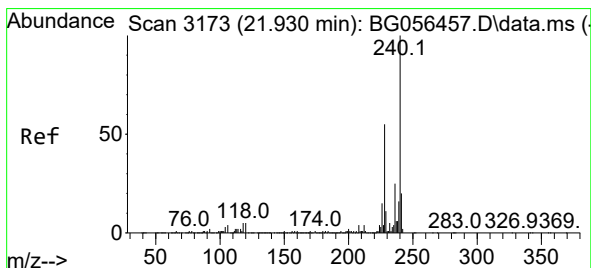
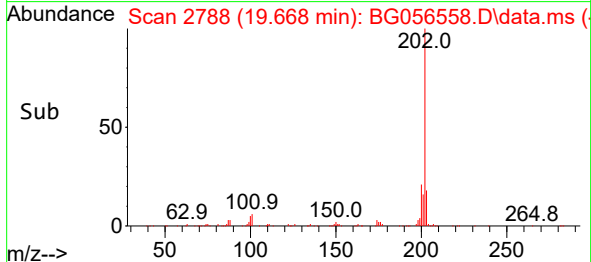
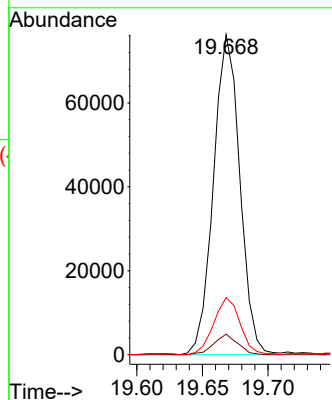
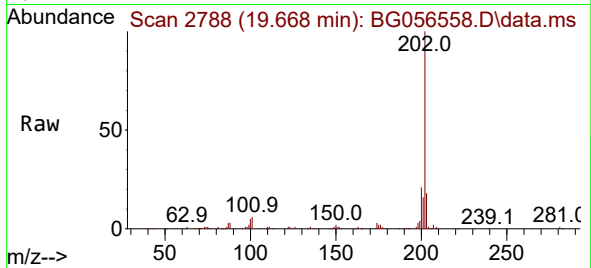




#75
Fluoranthene
Concen: 5.954 ng
RT: 19.668 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG056558.D
Acq: 6 Feb 2023 17:05

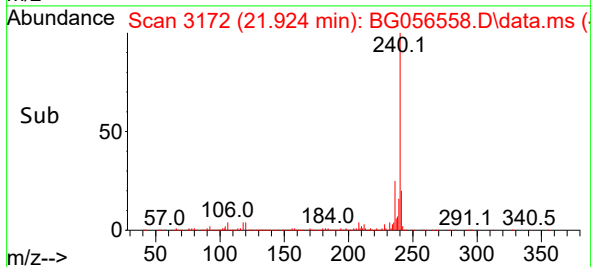
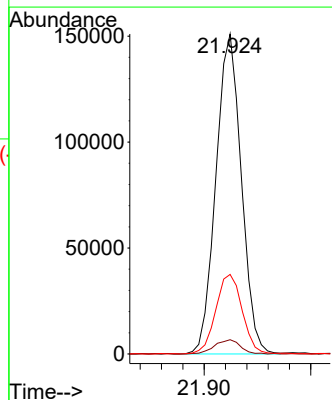
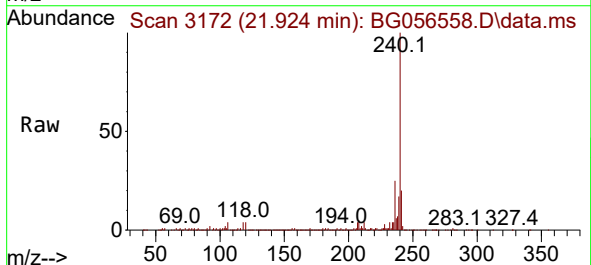
Instrument :
BNA_G
ClientSampleId :
SASP2-123-2(0-5)

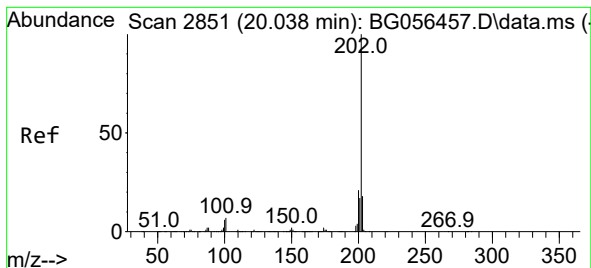
Tgt Ion:202 Resp: 106414
Ion Ratio Lower Upper
202 100
101 6.4 0.0 25.6
203 17.8 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.924 min Scan# 3172
Delta R.T. -0.005 min
Lab File: BG056558.D
Acq: 6 Feb 2023 17:05

Tgt Ion:240 Resp: 249791
Ion Ratio Lower Upper
240 100
120 4.5 3.8 5.8
236 24.9 20.2 30.2





#78

Pyrene

Concen: 5.701 ng

RT: 20.032 min Scan# 2

Delta R.T. 0.000 min

Lab File: BG056558.D

Acq: 6 Feb 2023 17:05

Instrument :

BNA_G

ClientSampleId :

SASP2-123-2(0-5)

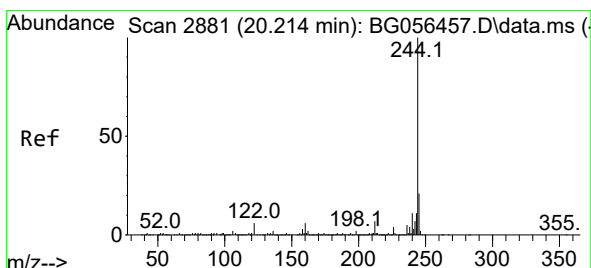
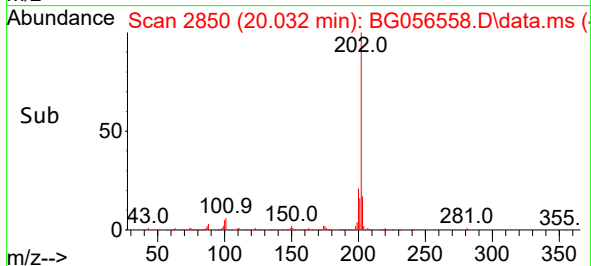
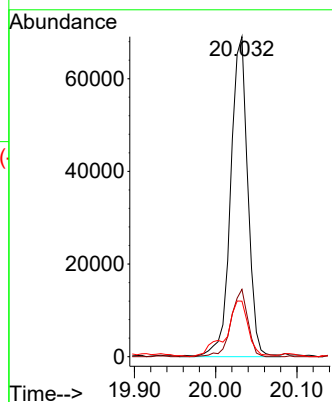
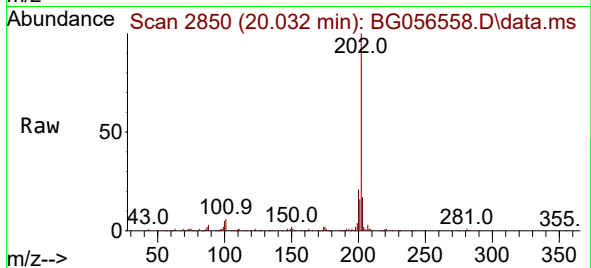
Tgt Ion:202 Resp: 101276

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.3 14.4 21.6



#79

Terphenyl-d14

Concen: 51.632 ng

RT: 20.209 min Scan# 2880

Delta R.T. -0.005 min

Lab File: BG056558.D

Acq: 6 Feb 2023 17:05

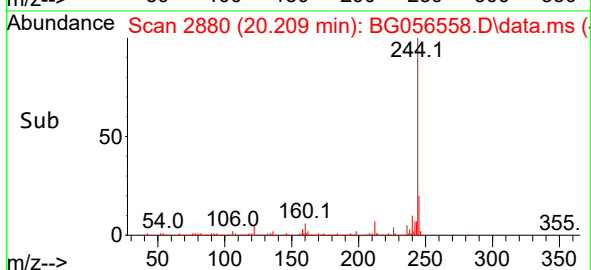
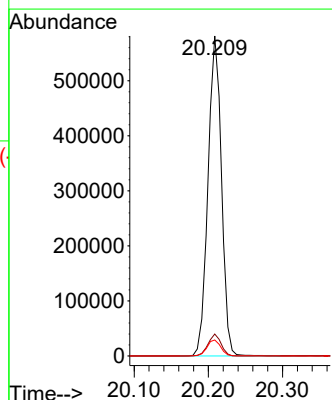
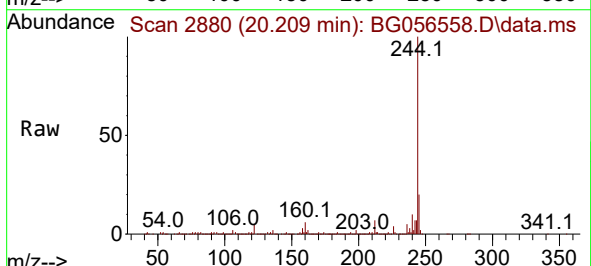
Tgt Ion:244 Resp: 734316

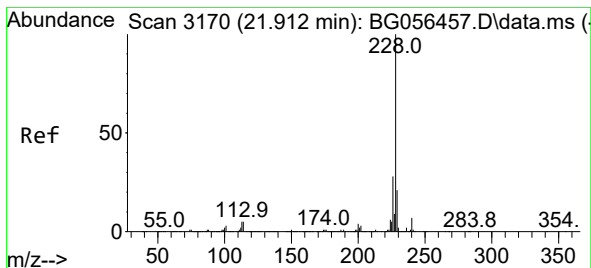
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 5.0 4.4 6.6





#81

Benzo(a)anthracene

Concen: 2.890 ng

RT: 21.901 min Scan# 3168

Delta R.T. -0.011 min

Lab File: BG056558.D

Acq: 6 Feb 2023 17:05

Instrument :

BNA_G

ClientSampleId :

SASP2-123-2(0-5)

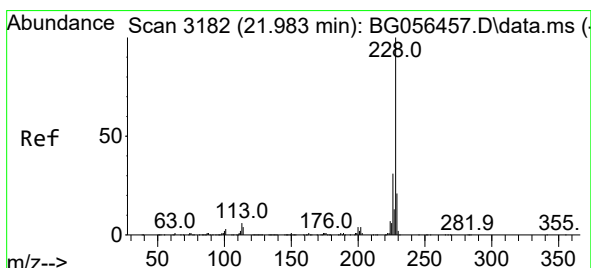
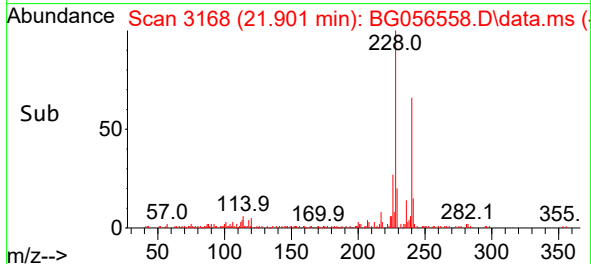
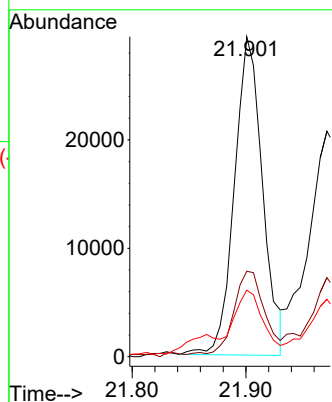
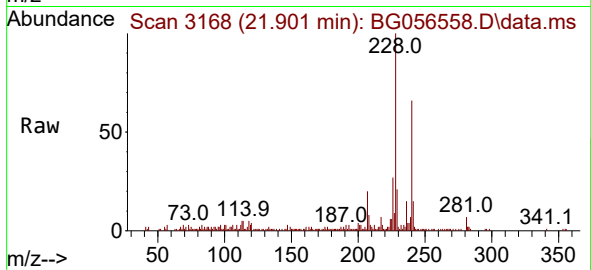
Tgt Ion:228 Resp: 50476

Ion Ratio Lower Upper

228 100

226 26.7 22.4 33.6

229 20.8 16.5 24.7



#83

Chrysene

Concen: 3.077 ng

RT: 21.901 min Scan# 3168

Delta R.T. -0.082 min

Lab File: BG056558.D

Acq: 6 Feb 2023 17:05

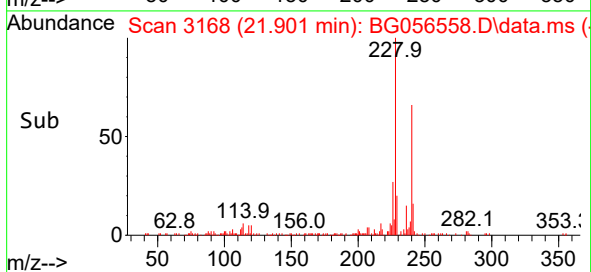
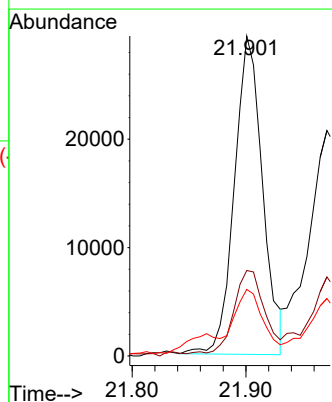
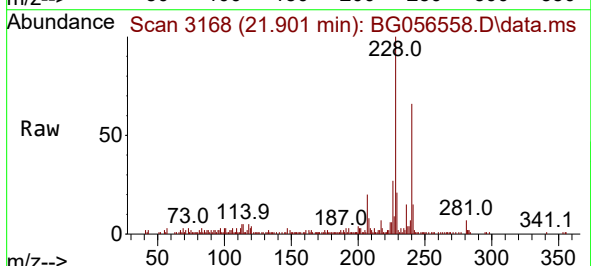
Tgt Ion:228 Resp: 50476

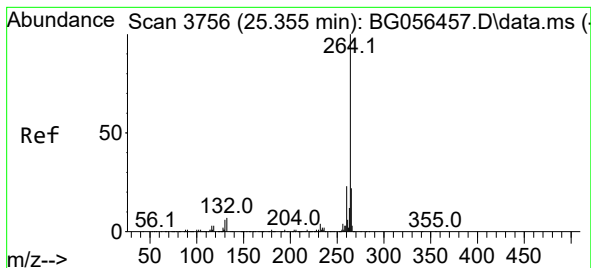
Ion Ratio Lower Upper

228 100

226 26.7 25.0 37.4

229 20.8 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.344 min Scan# 31

Delta R.T. -0.017 min

Lab File: BG056558.D

Acq: 6 Feb 2023 17:05

Instrument :

BNA_G

ClientSampleId :

SASP2-123-2(0-5)

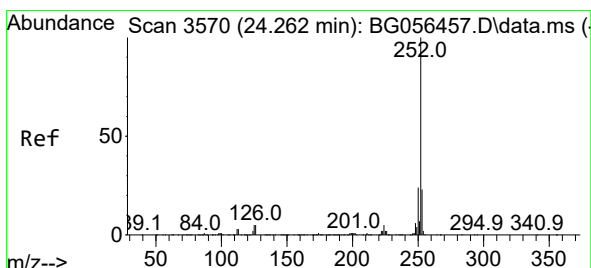
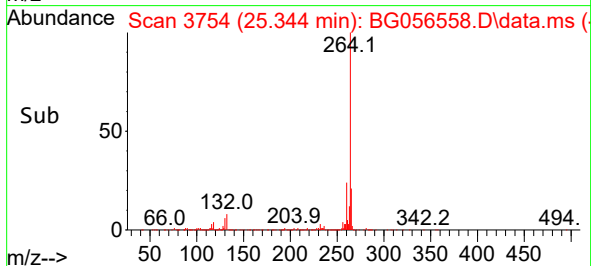
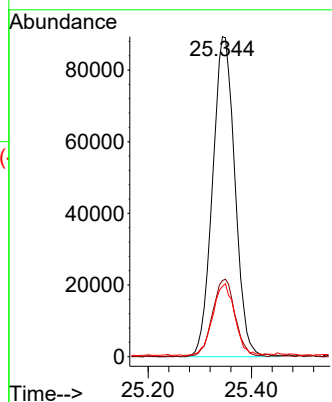
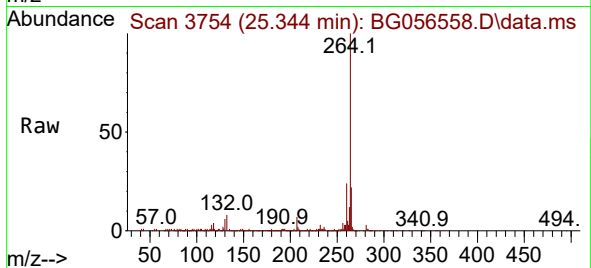
Tgt Ion:264 Resp: 268176

Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.4

265 22.0 18.1 27.1



#88

Benzo(b)fluoranthene

Concen: 3.853 ng

RT: 24.251 min Scan# 3568

Delta R.T. -0.011 min

Lab File: BG056558.D

Acq: 6 Feb 2023 17:05

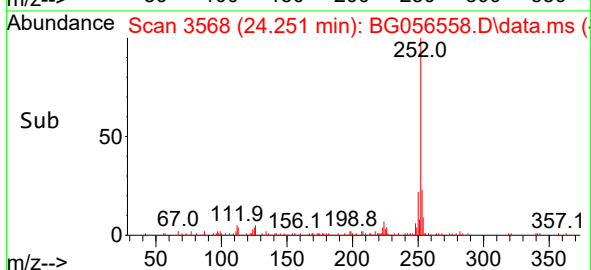
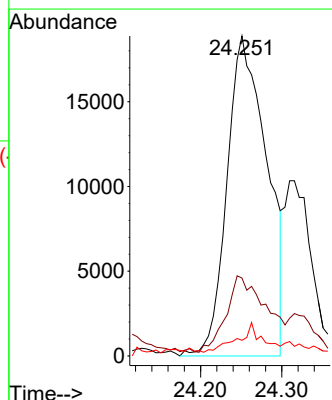
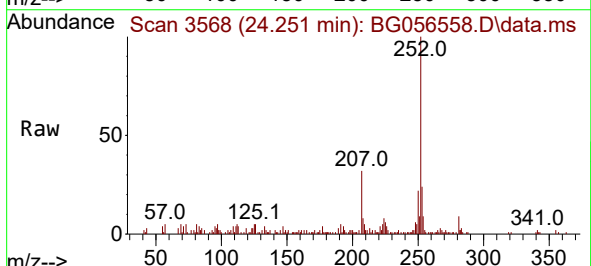
Tgt Ion:252 Resp: 64127

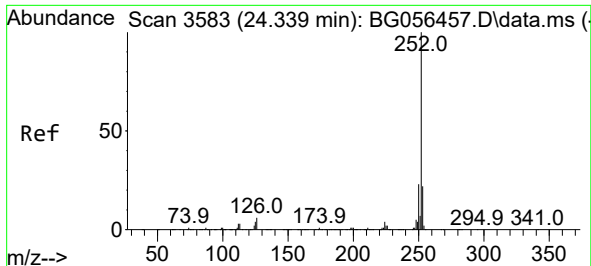
Ion Ratio Lower Upper

252 100

253 24.4 18.1 27.1

125 4.9 3.9 5.9

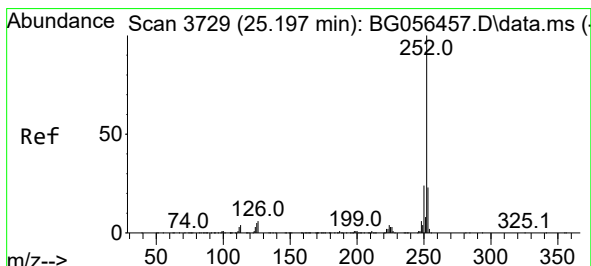
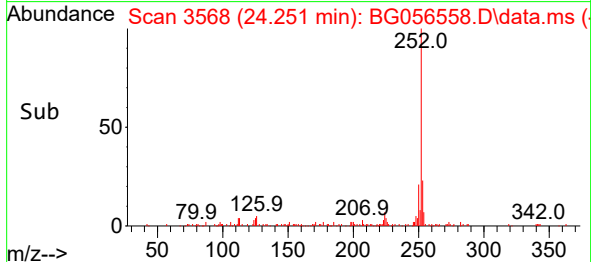
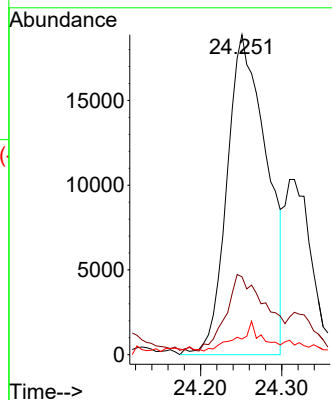
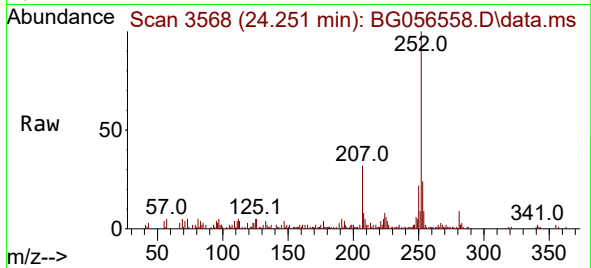




#89
Benzo(k)fluoranthene
Concen: 3.816 ng
RT: 24.251 min Scan# 31
Delta R.T. -0.088 min
Lab File: BG056558.D
Acq: 6 Feb 2023 17:05

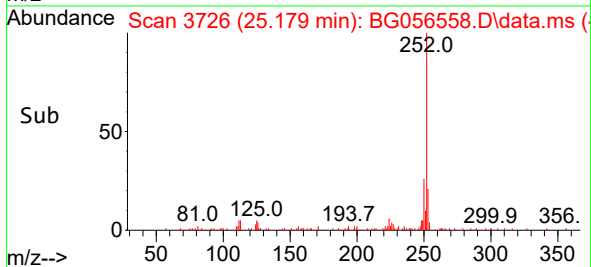
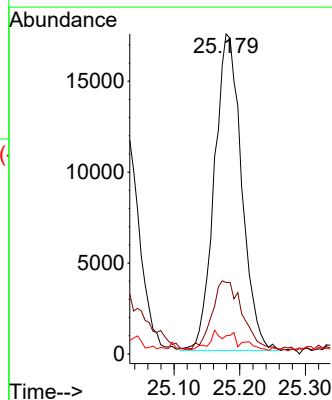
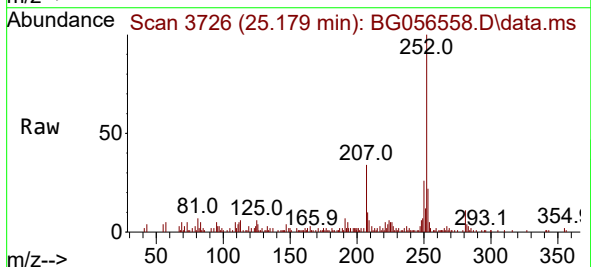
Instrument :
BNA_G
ClientSampleId :
SASP2-123-2(0-5)

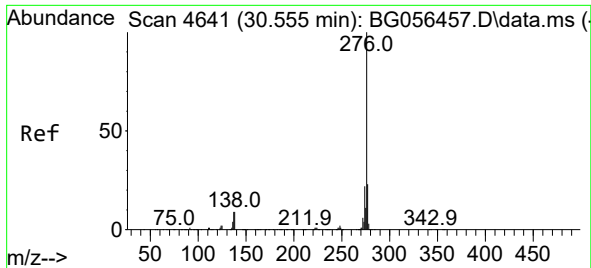
Tgt Ion:252 Resp: 64127
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 4.9 3.4 5.0



#90
Benzo(a)pyrene
Concen: 3.053 ng
RT: 25.179 min Scan# 3726
Delta R.T. -0.017 min
Lab File: BG056558.D
Acq: 6 Feb 2023 17:05

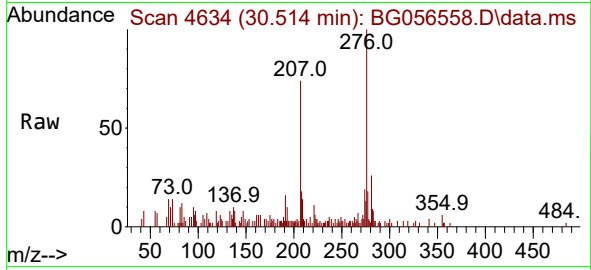
Tgt Ion:252 Resp: 50062
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 5.7 4.1 6.1





#92
Benzo(g,h,i)perylene
Concen: 2.400 ng
RT: 30.514 min Scan# 4
Delta R.T. -0.052 min
Lab File: BG056558.D
Acq: 6 Feb 2023 17:05

Instrument :
BNA_G
ClientSampleId :
SASP2-123-2(0-5)



Tgt Ion:276 Resp: 38160
Ion Ratio Lower Upper
276 100
277 17.8 18.5 27.7#
138 8.4 7.4 11.0

