

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
 Data File : BG056017.D
 Acq On : 19 Dec 2022 17:27
 Operator : CG/JU
 Sample : N6037-16
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB-25-(1-3)

Quant Time: Dec 20 01:07:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 20 01:01:12 2022
 Response via : Initial Calibration

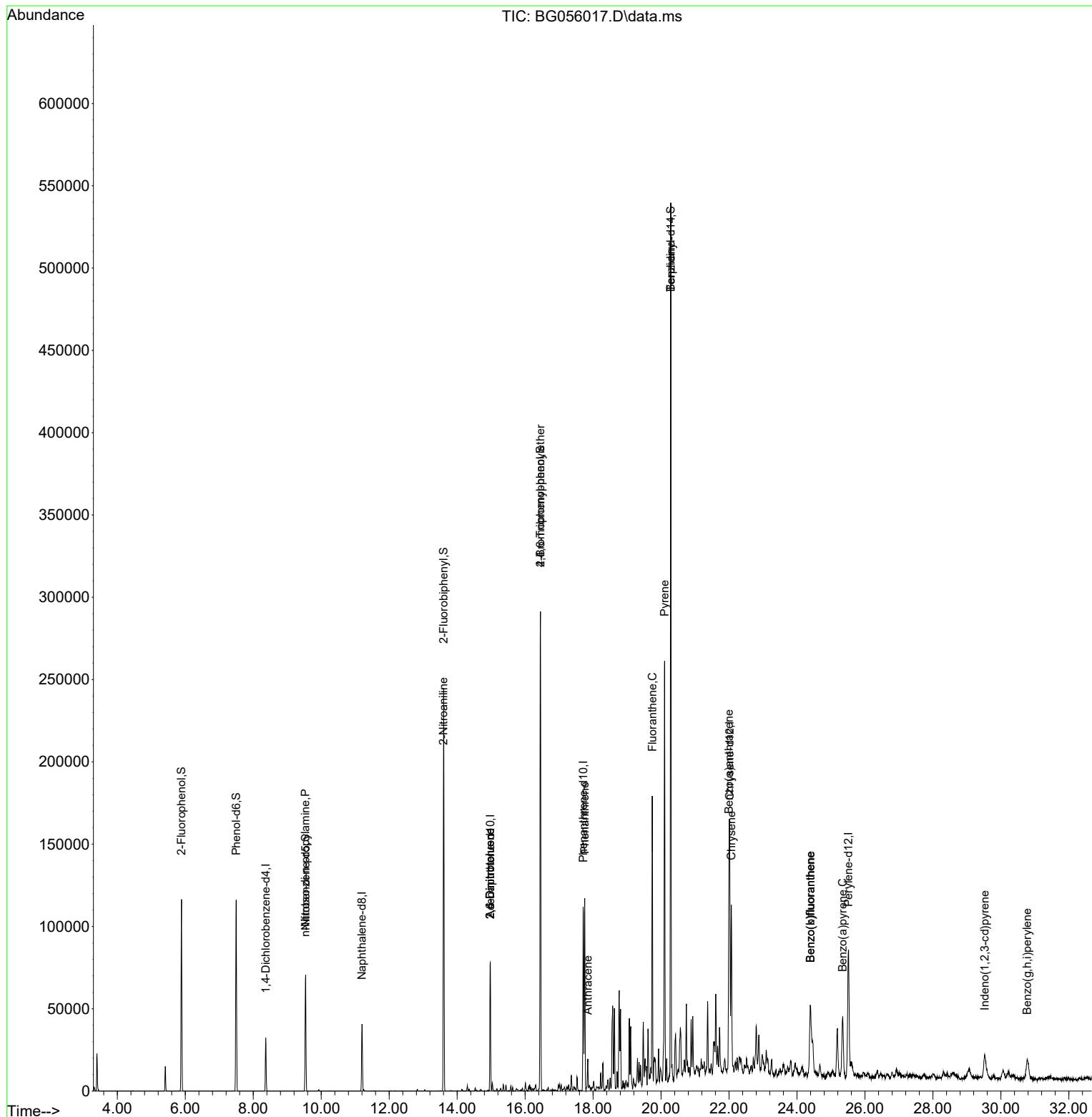
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.366	152	10052	20.000	ng	0.00
21) Naphthalene-d8	11.198	136	37506	20.000	ng	# 0.00
39) Acenaphthene-d10	14.976	164	32374	20.000	ng	0.00
64) Phenanthrene-d10	17.708	188	83536	20.000	ng	0.00
76) Chrysene-d12	22.021	240	85020	20.000	ng	0.00
86) Perylene-d12	25.511	264	105044	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.887	112	46386	108.221	ng	0.00
7) Phenol-d6	7.497	99	54705	99.234	ng	0.00
23) Nitrobenzene-d5	9.541	82	36752	68.477	ng	0.00
42) 2,4,6-Tribromophenol	16.451	330	79427	101.747	ng	0.00
45) 2-Fluorobiphenyl	13.601	172	133565	57.862	ng	0.00
79) Terphenyl-d14	20.288	244	291243	60.543	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.535	70	5864	14.840	ng	# 60
48) 2-Nitroaniline	13.595	65	57	2.967	ng	# 1
51) 2,6-Dinitrotoluene	14.970	165	4081	9.422	ng	# 25
57) 2,4-Dinitrotoluene	14.970	165	4081	6.242	ng	# 35
67) 4-Bromophenyl-phenylether	16.451	248	4486	3.665	ng	# 1
71) Phenanthrene	17.755	178	83965	19.180	ng	99
72) Anthracene	17.843	178	14454	3.337	ng	98
75) Fluoranthene	19.741	202	119563	19.504	ng	100
77) Benzidine	20.288	184	4338	2.905	ng	# 89
78) Pyrene	20.105	202	188203	36.583	ng	99
81) Benzo(a)anthracene	21.997	228	82244	13.747	ng	97
83) Chrysene	22.068	228	78830	14.059	ng	97
87) Indeno(1,2,3-cd)pyrene	29.524	276	34282	4.058	ng	97
88) Benzo(b)fluoranthene	24.400	252	70353	10.349	ng	100
89) Benzo(k)fluoranthene	24.400	252	70353	10.372	ng	98
90) Benzo(a)pyrene	25.346	252	56458	9.825	ng	99
92) Benzo(g,h,i)perylene	30.775	276	34186	5.001	ng	94

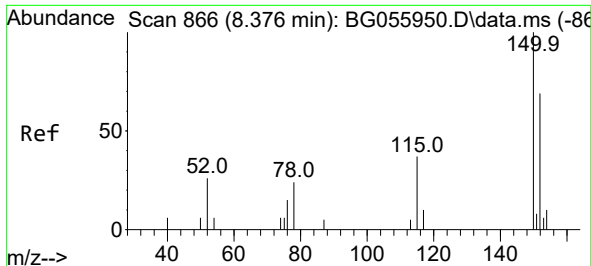
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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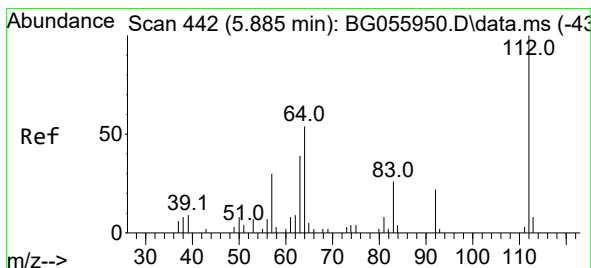
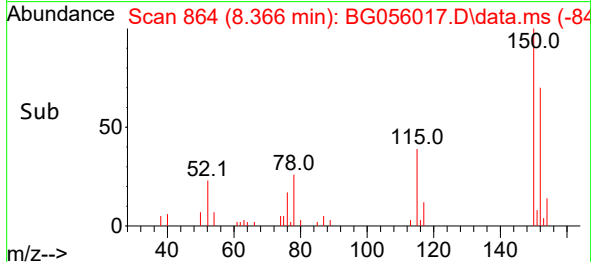
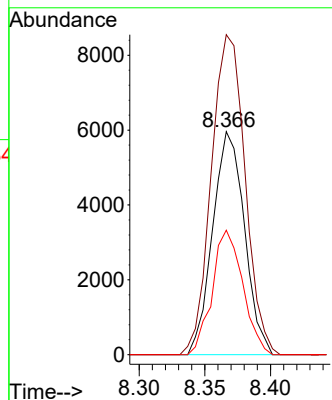
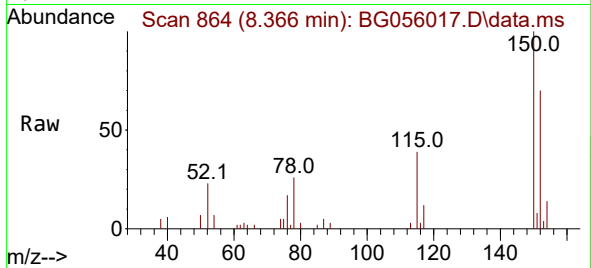




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.366 min Scan# 866
Delta R.T. 0.002 min
Lab File: BG056017.D
Acq: 19 Dec 2022 17:27

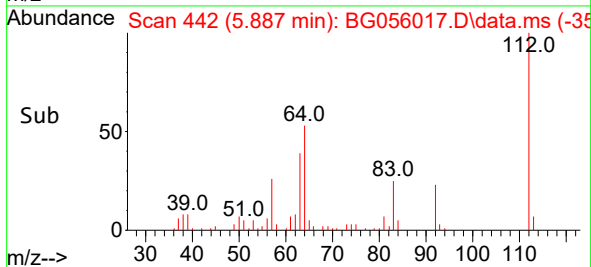
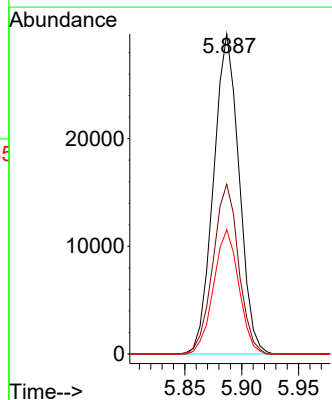
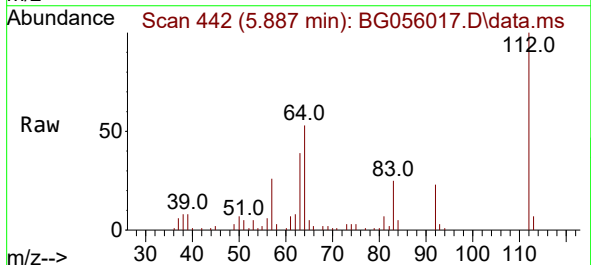
Instrument :
BNA_G
ClientSampleId :
RB-25-(1-3)

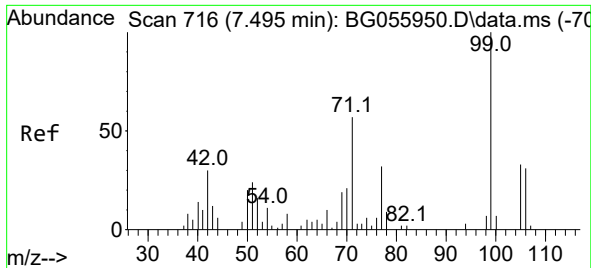
Tgt Ion:152 Resp: 10052
Ion Ratio Lower Upper
152 100
150 143.5 115.7 173.5
115 55.8 43.0 64.4



#5
2-Fluorophenol
Concen: 108.221 ng
RT: 5.887 min Scan# 442
Delta R.T. 0.002 min
Lab File: BG056017.D
Acq: 19 Dec 2022 17:27

Tgt Ion:112 Resp: 46386
Ion Ratio Lower Upper
112 100
64 53.1 43.0 64.4
63 38.9 31.4 47.2

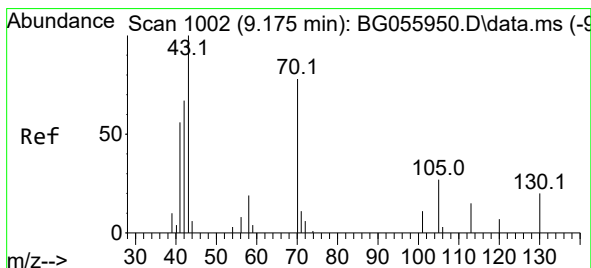
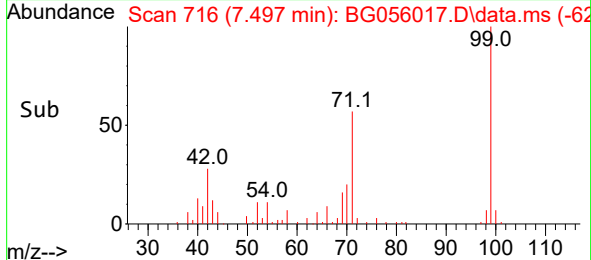
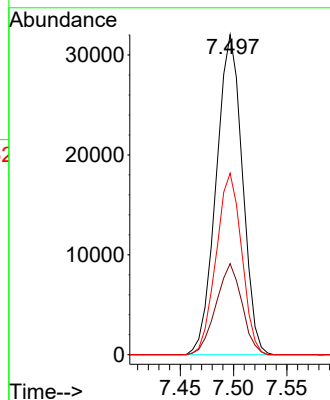
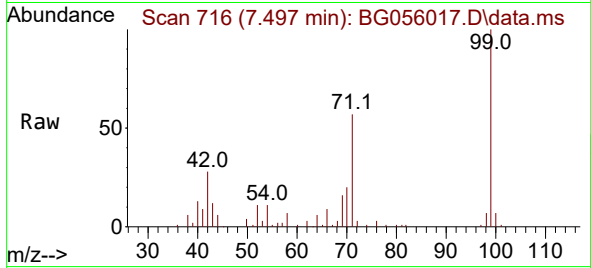




#7
Phenol-d6
Concen: 99.234 ng
RT: 7.497 min Scan# 716
Delta R.T. 0.002 min
Lab File: BG056017.D
Acq: 19 Dec 2022 17:27

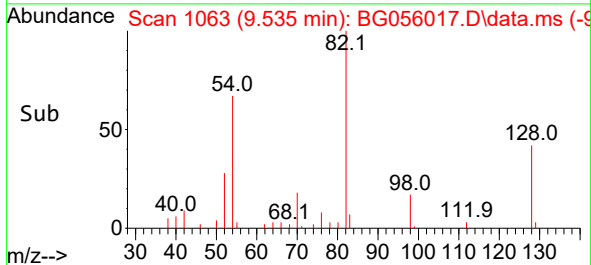
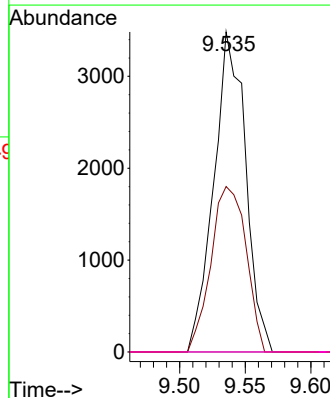
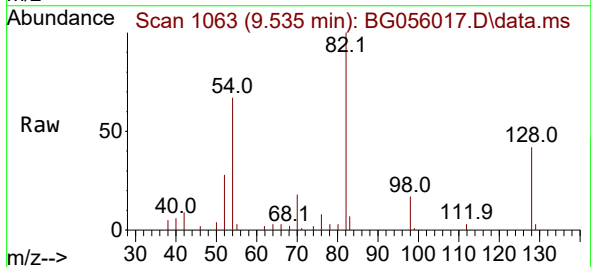
Instrument :
BNA_G
ClientSampleId :
RB-25-(1-3)

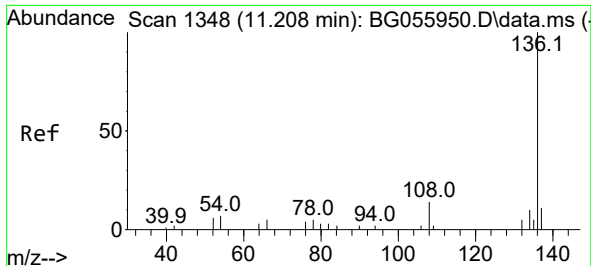
Tgt Ion: 99 Resp: 54705
Ion Ratio Lower Upper
99 100
42 28.5 24.3 36.5
71 56.7 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.840 ng
RT: 9.535 min Scan# 1063
Delta R.T. 0.361 min
Lab File: BG056017.D
Acq: 19 Dec 2022 17:27

Tgt Ion: 70 Resp: 5864
Ion Ratio Lower Upper
70 100
42 51.7 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#

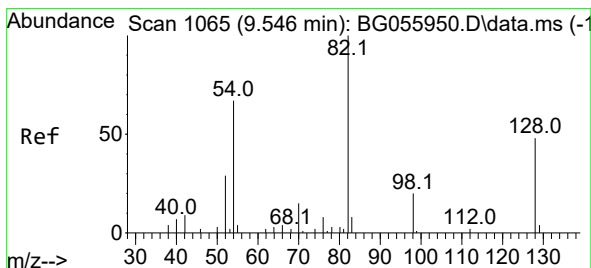
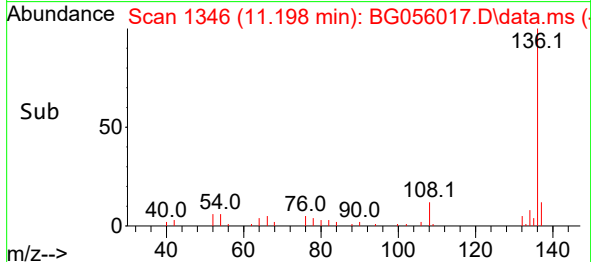
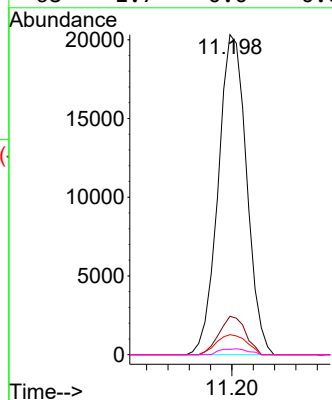
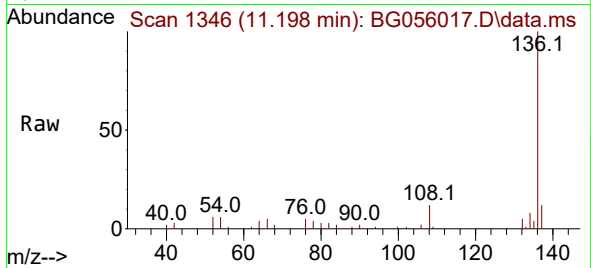




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.198 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG056017.D
Acq: 19 Dec 2022 17:27

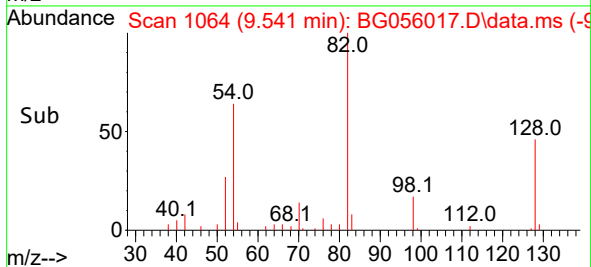
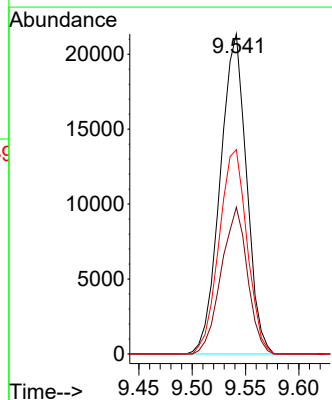
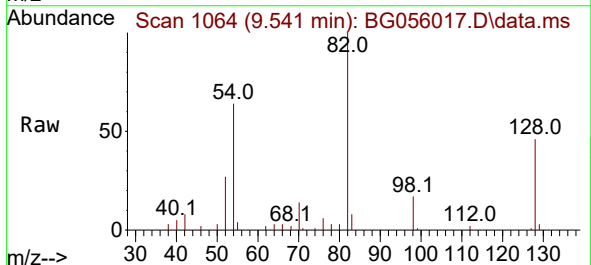
Instrument :
BNA_G
ClientSampleId :
RB-25-(1-3)

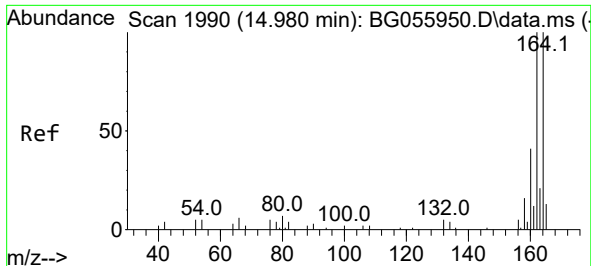
Tgt Ion:	136	Resp:	37506
Ion Ratio	Lower	Upper	
136	100		
137	12.0	9.2	13.8
54	6.3	5.6	8.4
68	1.7	0.0	0.0



#23
Nitrobenzene-d5
Concen: 68.477 ng
RT: 9.541 min Scan# 1064
Delta R.T. -0.004 min
Lab File: BG056017.D
Acq: 19 Dec 2022 17:27

Tgt Ion:	82	Resp:	36752
Ion Ratio	Lower	Upper	
82	100		
128	45.8	38.4	57.6
54	63.9	53.3	79.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.976 min Scan# 1989

Delta R.T. -0.004 min

Lab File: BG056017.D

Acq: 19 Dec 2022 17:27

Instrument :

BNA_G

ClientSampleId :

RB-25-(1-3)

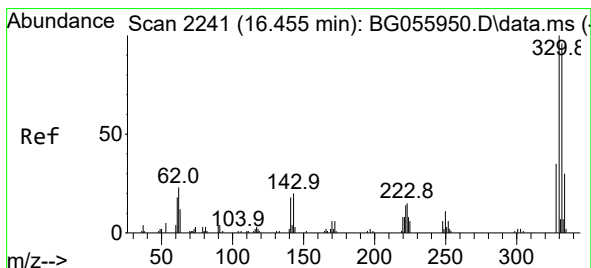
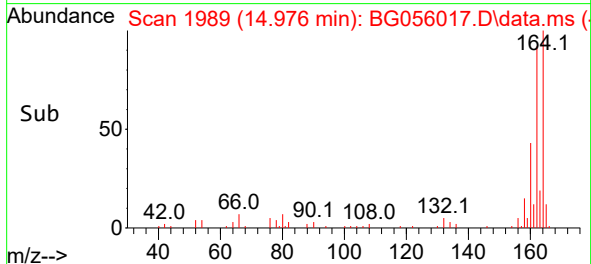
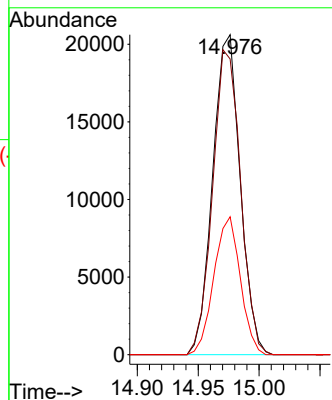
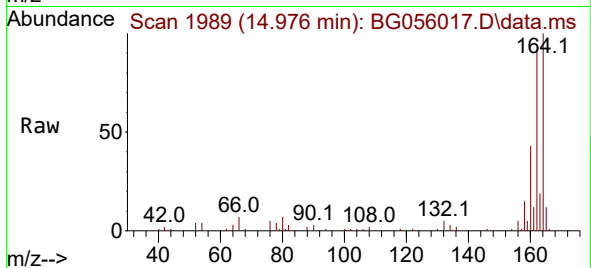
Tgt Ion:164 Resp: 32374

Ion Ratio Lower Upper

164 100

162 92.4 79.8 119.8

160 43.1 33.0 49.4



#42

2,4,6-Tribromophenol

Concen: 101.747 ng

RT: 16.451 min Scan# 2240

Delta R.T. -0.009 min

Lab File: BG056017.D

Acq: 19 Dec 2022 17:27

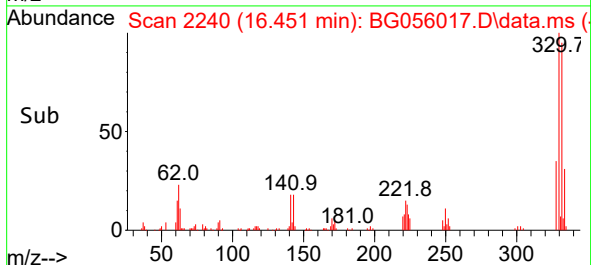
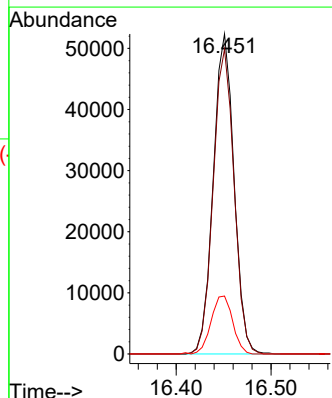
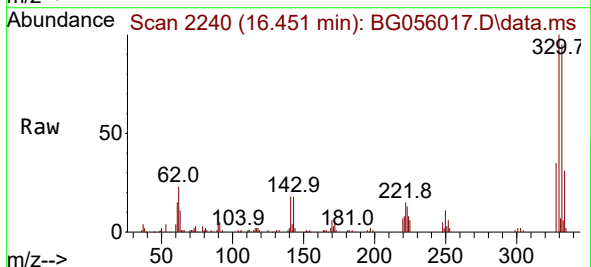
Tgt Ion:330 Resp: 79427

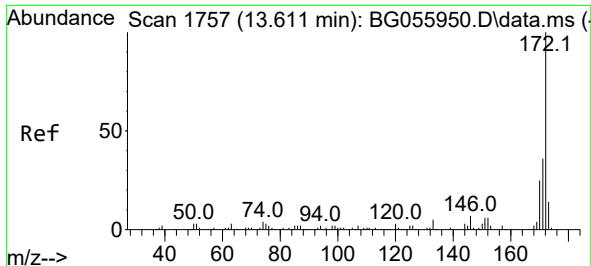
Ion Ratio Lower Upper

330 100

332 95.8 76.6 114.8

141 18.9 15.0 22.4

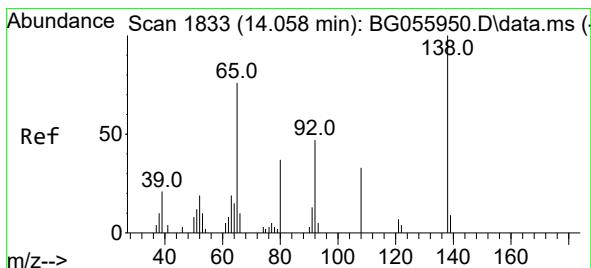
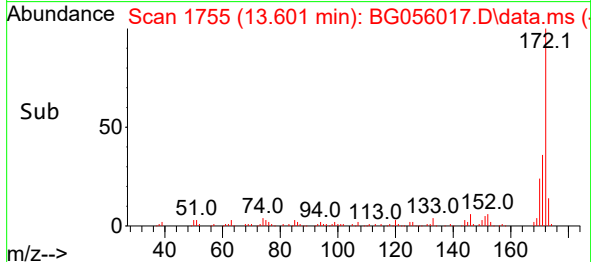
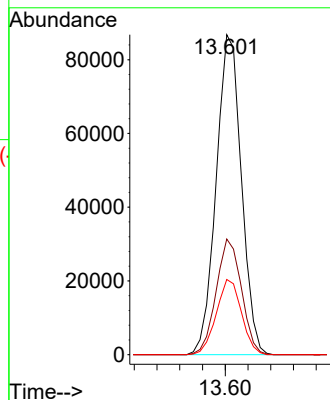
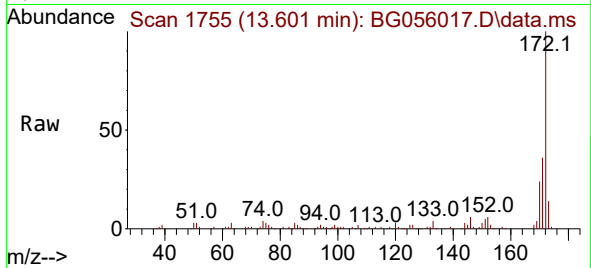




#45
2-Fluorobiphenyl
Concen: 57.862 ng
RT: 13.601 min Scan# 1755
Delta R.T. -0.009 min
Lab File: BG056017.D
Acq: 19 Dec 2022 17:27

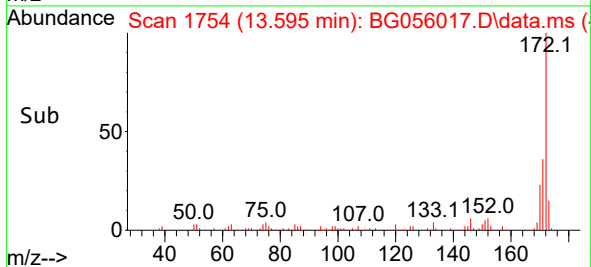
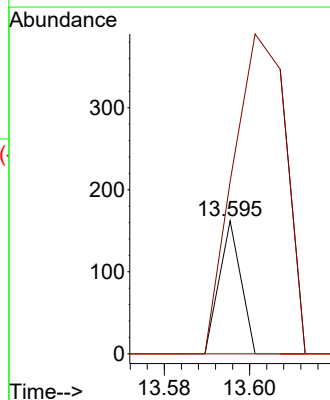
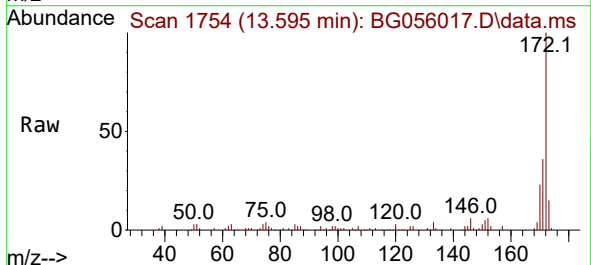
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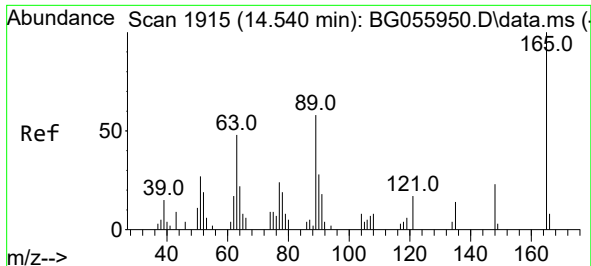
Tgt Ion:172 Resp: 133565
Ion Ratio Lower Upper
172 100
171 36.2 28.6 42.8
170 23.5 19.9 29.9



#48
2-Nitroaniline
Concen: 2.967 ng
RT: 13.595 min Scan# 1754
Delta R.T. -0.462 min
Lab File: BG056017.D
Acq: 19 Dec 2022 17:27

Tgt Ion: 65 Resp: 57
Ion Ratio Lower Upper
65 100
92 129.6 49.7 74.5#
138 0.0 105.0 157.6#

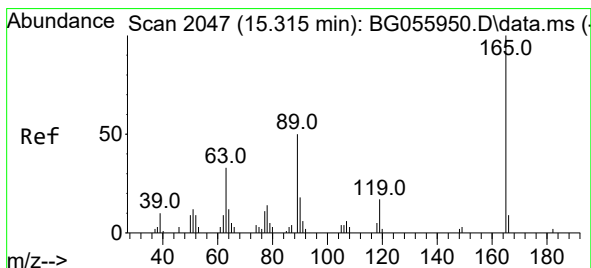
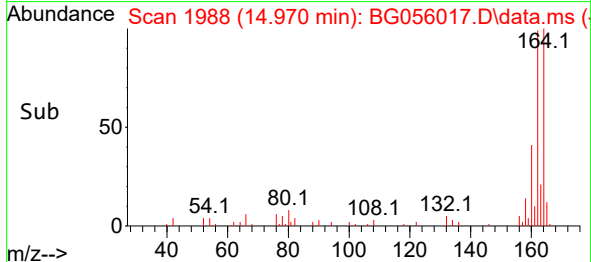
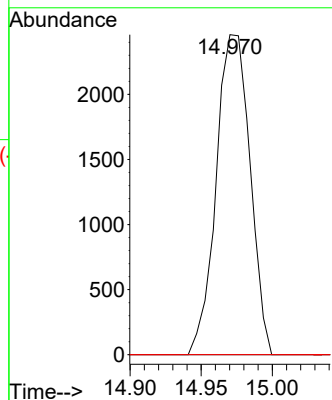
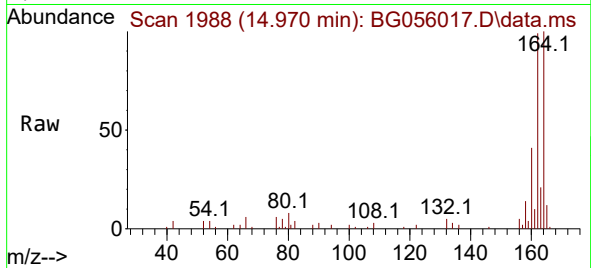




#51
2,6-Dinitrotoluene
Concen: 9.422 ng
RT: 14.970 min Scan# 1915
Delta R.T. 0.431 min
Lab File: BG056017.D
Acq: 19 Dec 2022 17:27

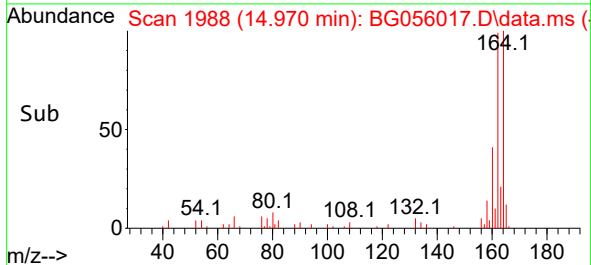
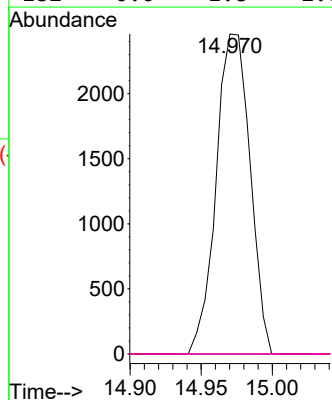
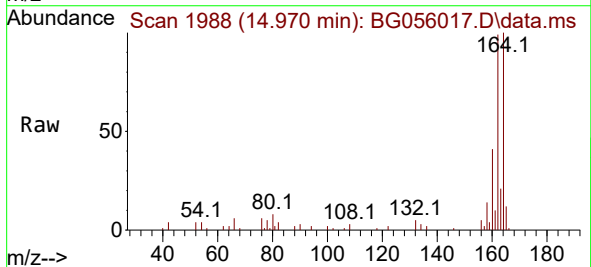
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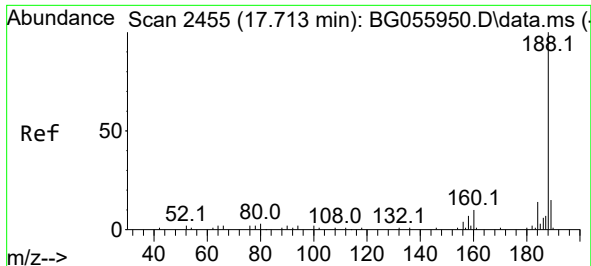
Tgt Ion:165 Resp: 4081
Ion Ratio Lower Upper
165 100
63 0.0 38.3 57.5#
89 0.0 46.3 69.5#



#57
2,4-Dinitrotoluene
Concen: 6.242 ng
RT: 14.970 min Scan# 1988
Delta R.T. -0.350 min
Lab File: BG056017.D
Acq: 19 Dec 2022 17:27

Tgt Ion:165 Resp: 4081
Ion Ratio Lower Upper
165 100
63 0.0 26.6 39.8#
89 0.0 40.1 60.1#
182 0.0 1.8 2.6#

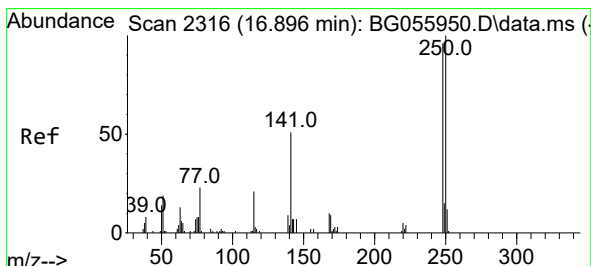
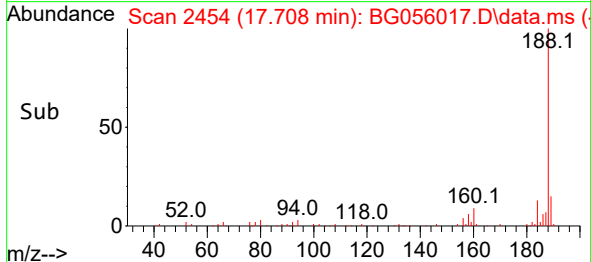
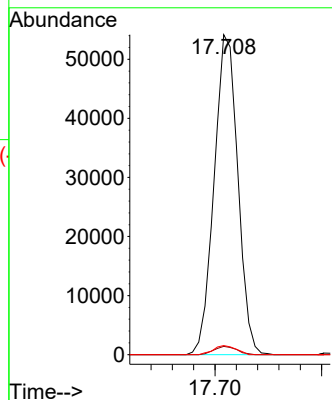
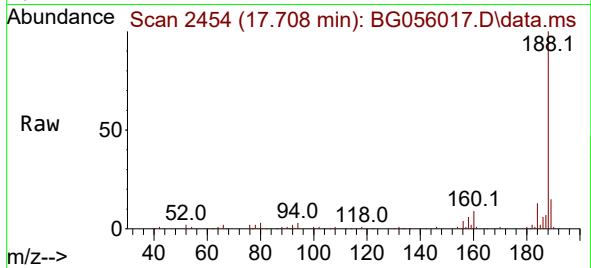




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.708 min Scan# 2455
Delta R.T. -0.009 min
Lab File: BG056017.D
Acq: 19 Dec 2022 17:27

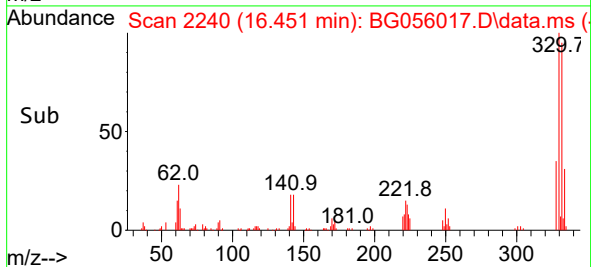
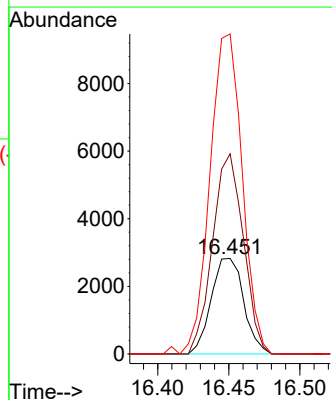
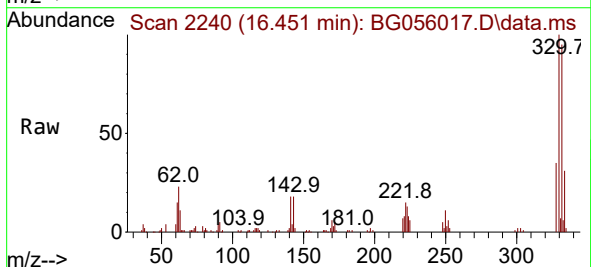
Instrument :
BNA_G
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RB-25-(1-3)

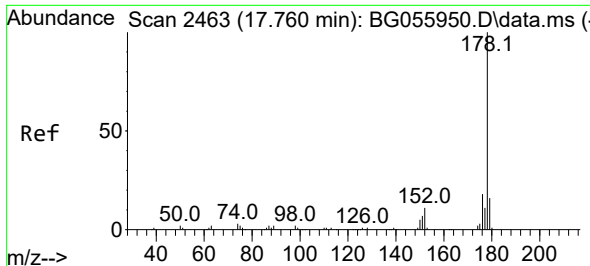
Tgt Ion:188 Resp: 83536
Ion Ratio Lower Upper
188 100
94 2.6 1.8 2.8
80 2.8 2.4 3.6



#67
4-Bromophenyl-phenylether
Concen: 3.665 ng
RT: 16.451 min Scan# 2240
Delta R.T. -0.444 min
Lab File: BG056017.D
Acq: 19 Dec 2022 17:27

Tgt Ion:248 Resp: 4486
Ion Ratio Lower Upper
248 100
250 209.7 83.0 124.6#
141 335.2 42.6 64.0#

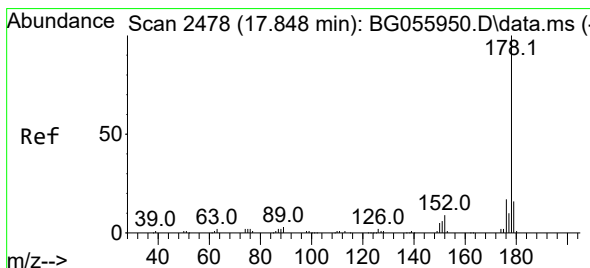
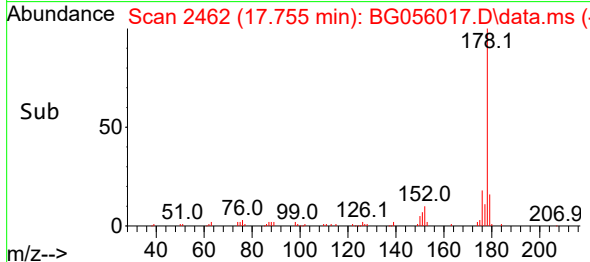
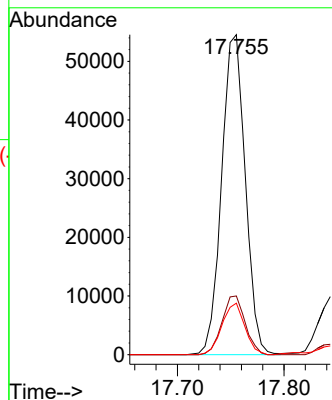
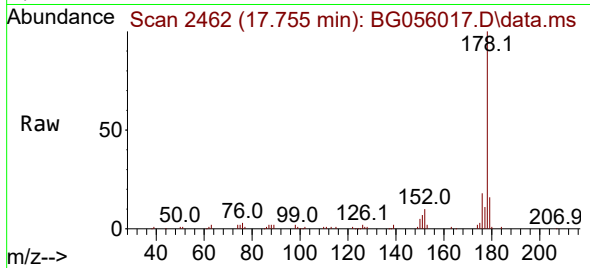




#71
Phenanthrene
Concen: 19.180 ng
RT: 17.755 min Scan# 2462
Delta R.T. -0.004 min
Lab File: BG056017.D
Acq: 19 Dec 2022 17:27

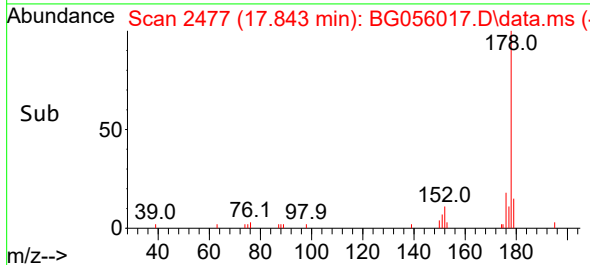
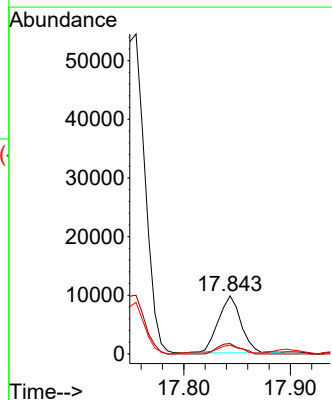
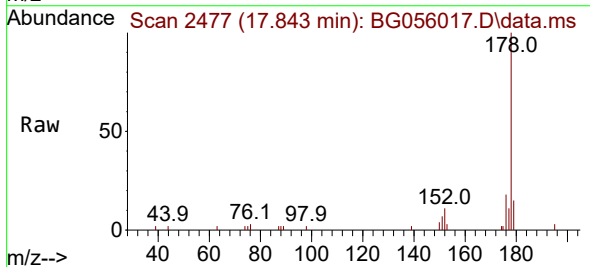
Instrument :
BNA_G
ClientSampleId :
RB-25-(1-3)

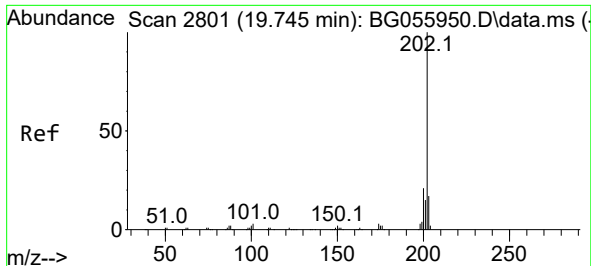
Tgt Ion:178 Resp: 83965
Ion Ratio Lower Upper
178 100
176 18.4 14.4 21.6
179 16.1 12.7 19.1



#72
Anthracene
Concen: 3.337 ng
RT: 17.843 min Scan# 2477
Delta R.T. -0.009 min
Lab File: BG056017.D
Acq: 19 Dec 2022 17:27

Tgt Ion:178 Resp: 14454
Ion Ratio Lower Upper
178 100
176 18.0 13.9 20.9
179 15.2 12.7 19.1

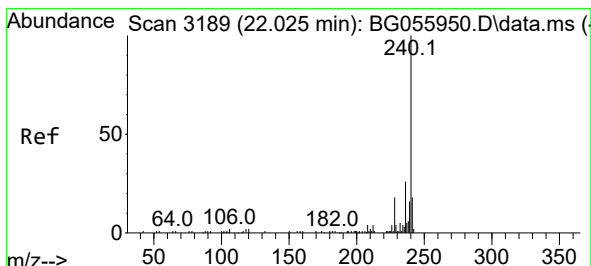
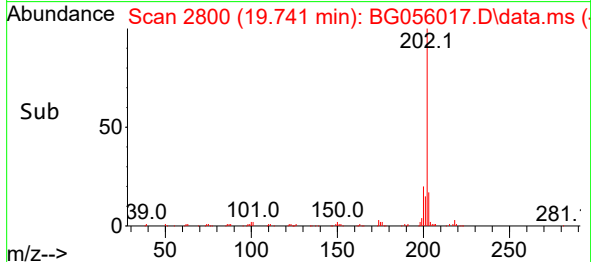
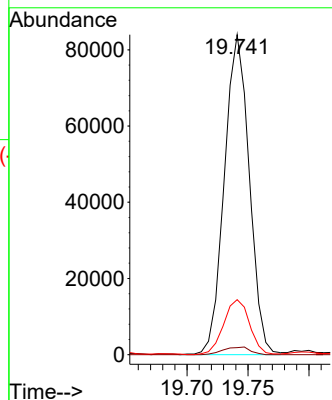
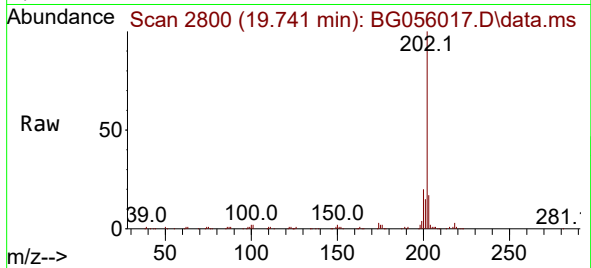




#75
Fluoranthene
Concen: 19.504 ng
RT: 19.741 min Scan# 2801
Delta R.T. -0.009 min
Lab File: BG056017.D
Acq: 19 Dec 2022 17:27

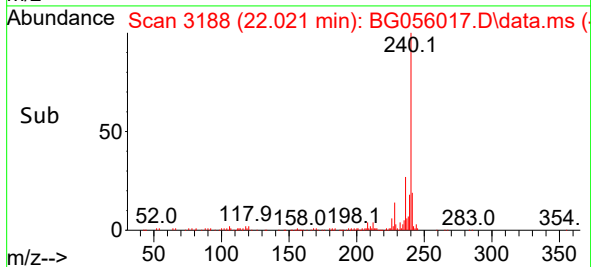
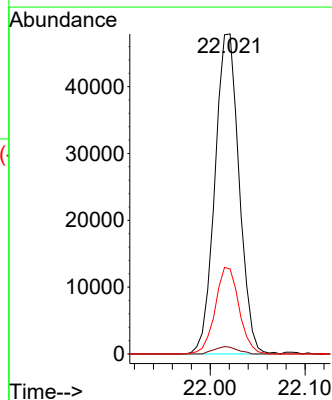
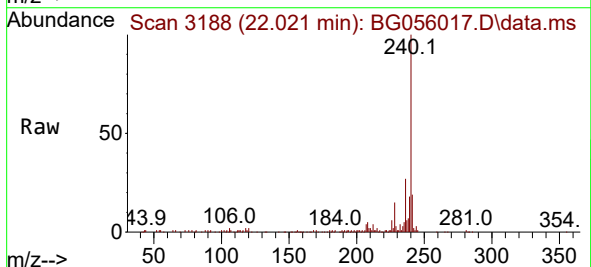
Instrument :
BNA_G
ClientSampleId :
RB-25-(1-3)

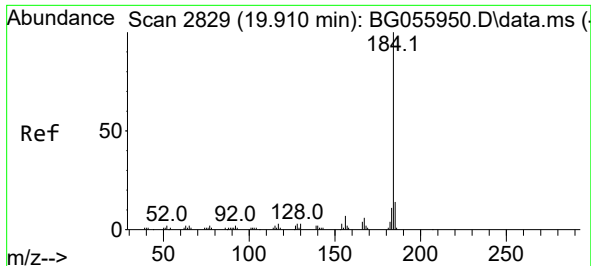
Tgt Ion:202 Resp: 119563
Ion Ratio Lower Upper
202 100
101 2.2 0.0 22.6
203 17.2 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.021 min Scan# 3188
Delta R.T. -0.009 min
Lab File: BG056017.D
Acq: 19 Dec 2022 17:27

Tgt Ion:240 Resp: 85020
Ion Ratio Lower Upper
240 100
120 2.1 1.7 2.5
236 26.5 21.1 31.7

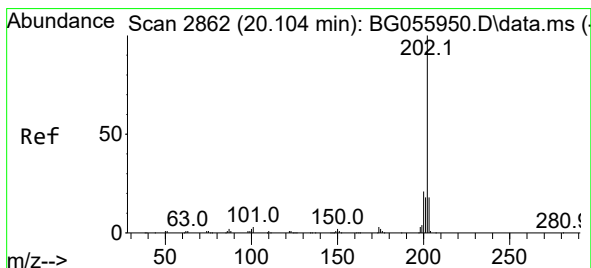
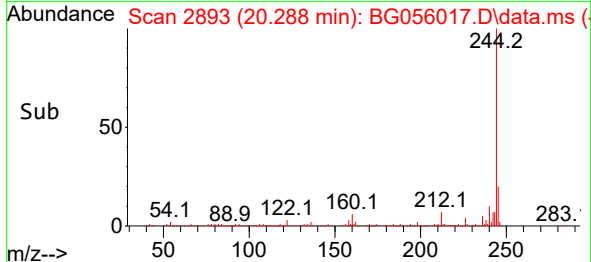
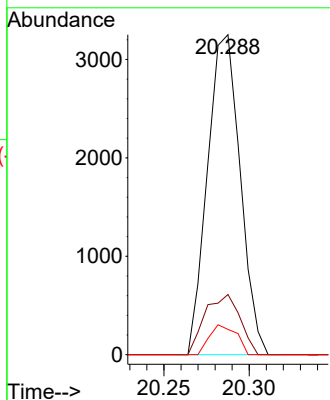
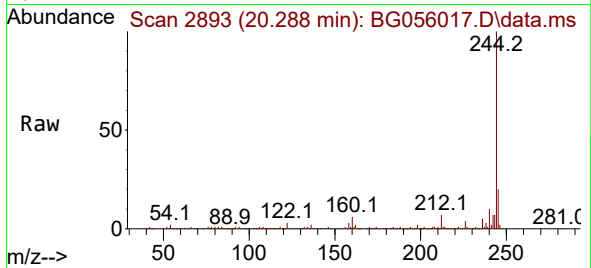




#77
Benzidine
Concen: 2.905 ng
RT: 20.288 min Scan# 2893
Delta R.T. 0.372 min
Lab File: BG056017.D
Acq: 19 Dec 2022 17:27

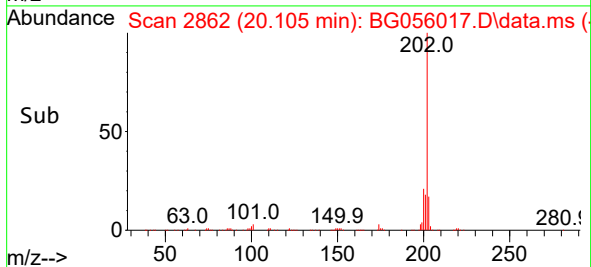
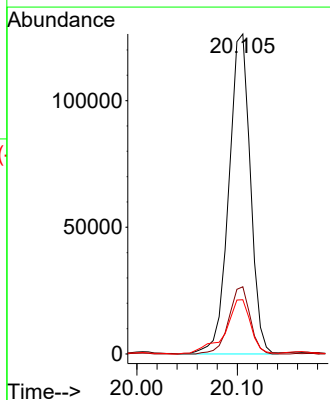
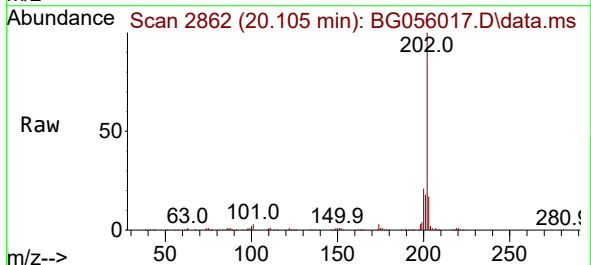
Instrument :
BNA_G
ClientSampleId :
RB-25-(1-3)

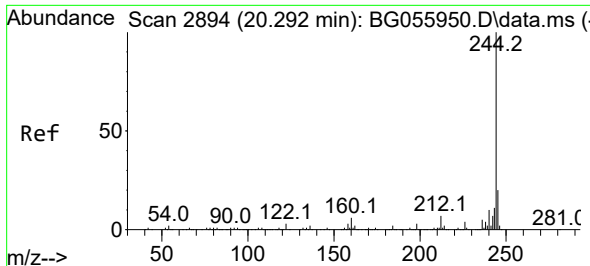
Tgt Ion:184 Resp: 4338
Ion Ratio Lower Upper
184 100
185 18.8 10.9 16.3#
183 7.9 9.2 13.8#



#78
Pyrene
Concen: 36.583 ng
RT: 20.105 min Scan# 2862
Delta R.T. -0.004 min
Lab File: BG056017.D
Acq: 19 Dec 2022 17:27

Tgt Ion:202 Resp: 188203
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 16.9 14.6 21.8

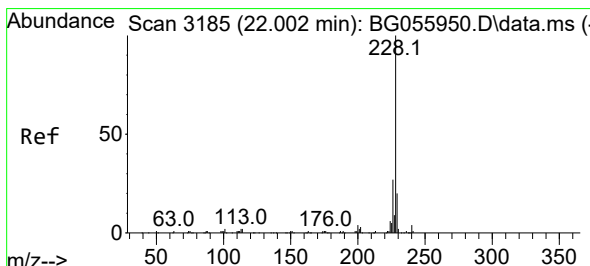
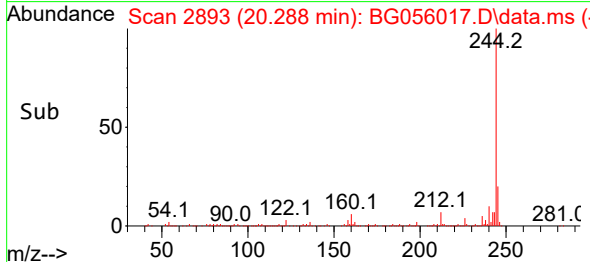
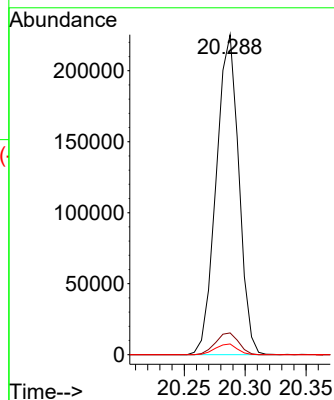
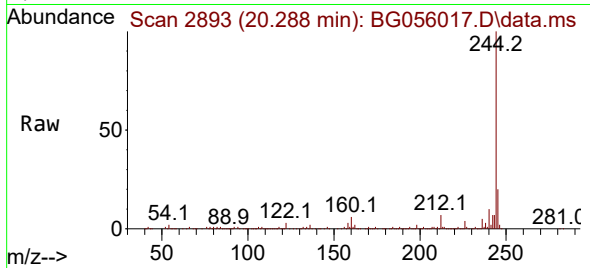




#79
 Terphenyl-d14
 Concen: 60.543 ng
 RT: 20.288 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG056017.D
 Acq: 19 Dec 2022 17:27

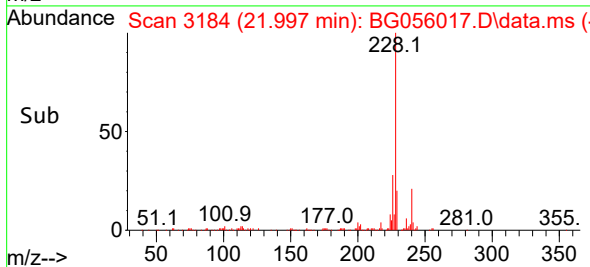
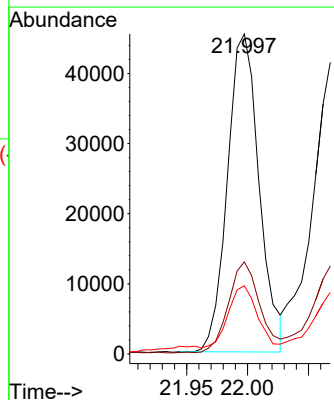
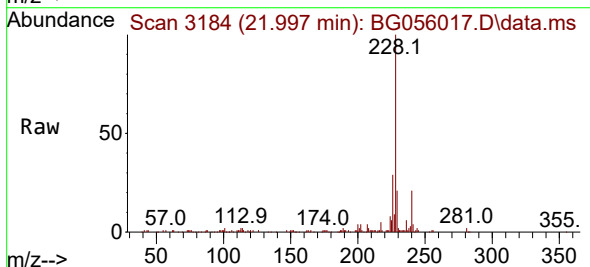
Instrument :
 BNA_G
 ClientSampleId :
 RB-25-(1-3)

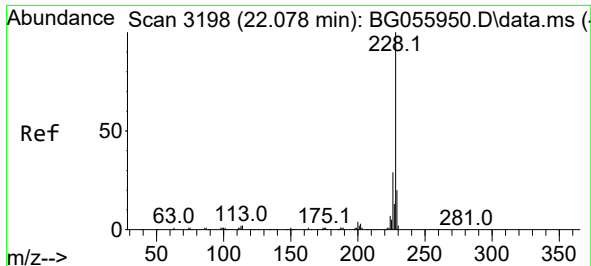
Tgt Ion:244 Resp: 291243
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 3.4 2.5 3.7



#81
 Benzo(a)anthracene
 Concen: 13.747 ng
 RT: 21.997 min Scan# 3184
 Delta R.T. -0.009 min
 Lab File: BG056017.D
 Acq: 19 Dec 2022 17:27

Tgt Ion:228 Resp: 82244
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.8 32.6
 229 21.3 15.9 23.9

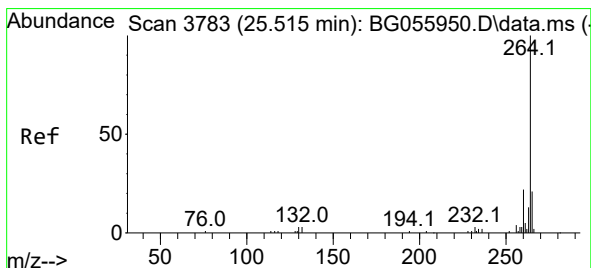
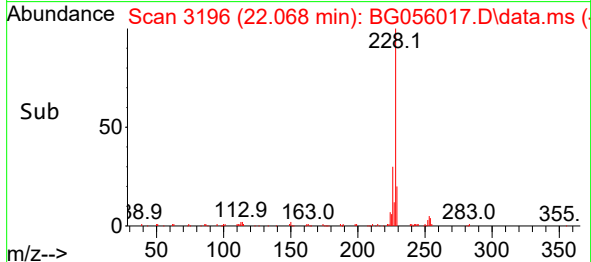
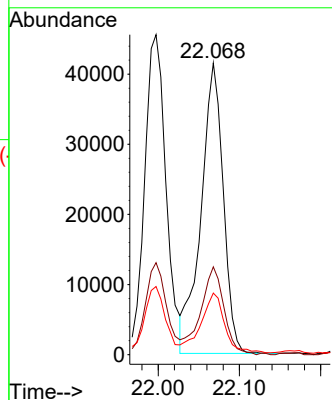
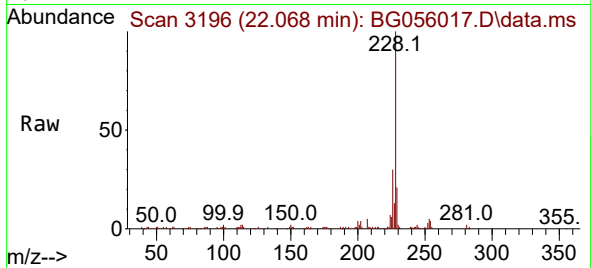




#83
Chrysene
Concen: 14.059 ng
RT: 22.068 min Scan# 3196
Delta R.T. -0.009 min
Lab File: BG056017.D
Acq: 19 Dec 2022 17:27

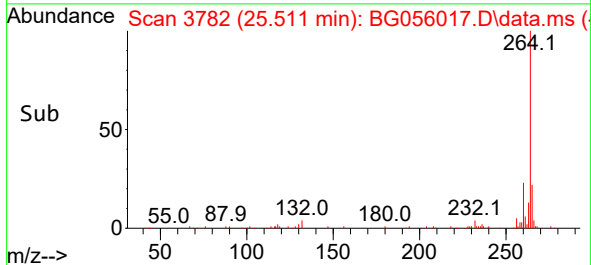
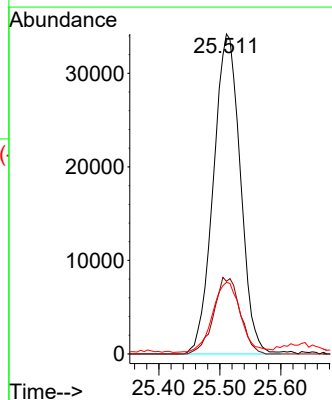
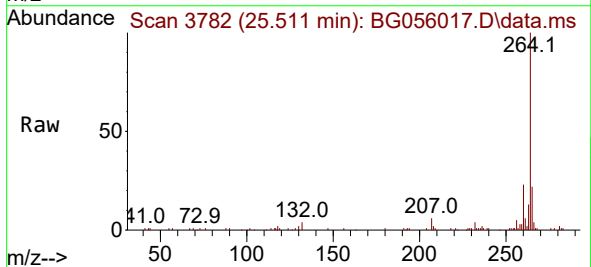
Instrument :
BNA_G
ClientSampleId :
RB-25-(1-3)

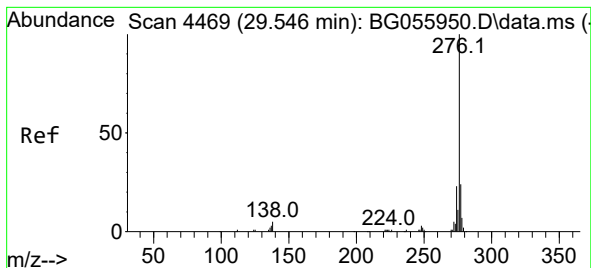
Tgt Ion:228	Resp:	78830
Ion Ratio	Lower	Upper
228	100	
226	30.1	23.1 34.7
229	21.1	15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.511 min Scan# 3782
Delta R.T. -0.015 min
Lab File: BG056017.D
Acq: 19 Dec 2022 17:27

Tgt Ion:264	Resp:	105044
Ion Ratio	Lower	Upper
264	100	
260	22.7	17.8 26.8
265	22.3	16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.058 ng

RT: 29.524 min Scan# 4465

Delta R.T. -0.033 min

Lab File: BG056017.D

Acq: 19 Dec 2022 17:27

Instrument :

BNA_G

ClientSampleId :

RB-25-(1-3)

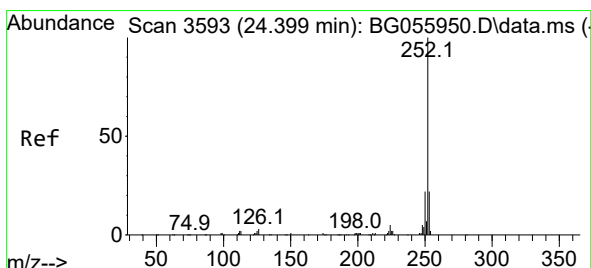
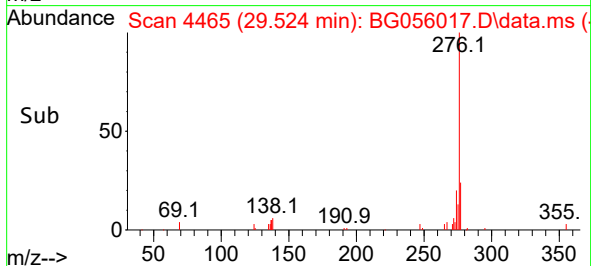
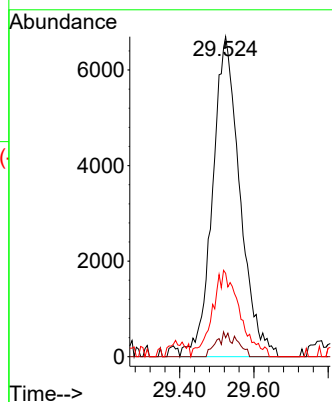
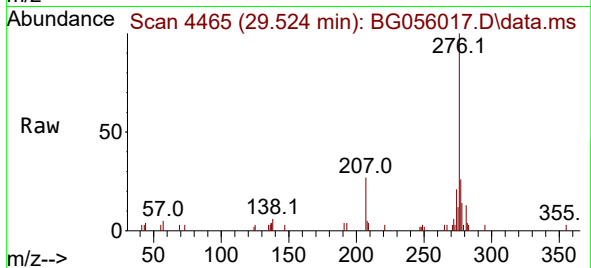
Tgt Ion:276 Resp: 34282

Ion Ratio Lower Upper

276 100

138 3.9 3.0 4.4

277 27.0 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 10.349 ng

RT: 24.400 min Scan# 3593

Delta R.T. -0.004 min

Lab File: BG056017.D

Acq: 19 Dec 2022 17:27

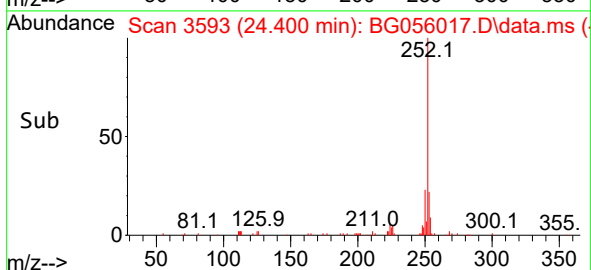
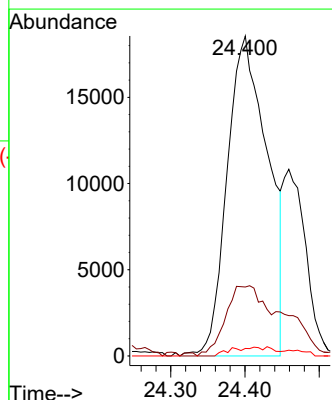
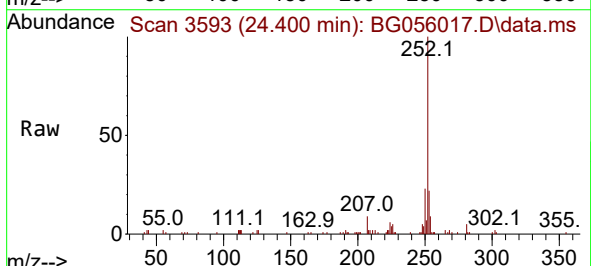
Tgt Ion:252 Resp: 70353

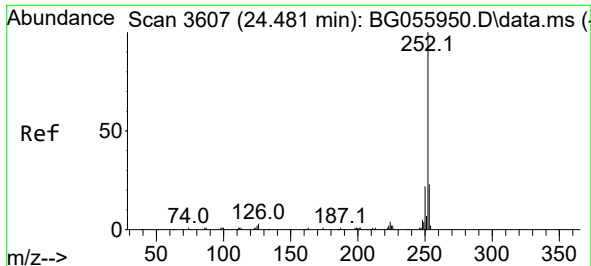
Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.0

125 2.3 1.8 2.8





#89

Benzo(k)fluoranthene

Concen: 10.372 ng

RT: 24.400 min Scan# 3

Delta R.T. -0.086 min

Lab File: BG056017.D

Acq: 19 Dec 2022 17:27

Instrument :

BNA_G

ClientSampleId :

RB-25-(1-3)

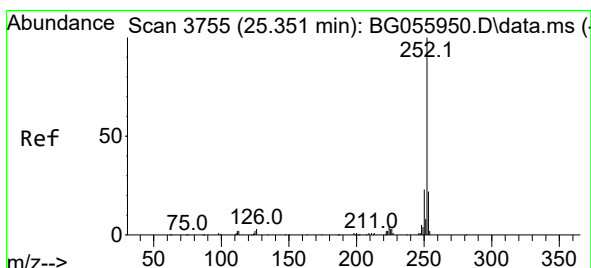
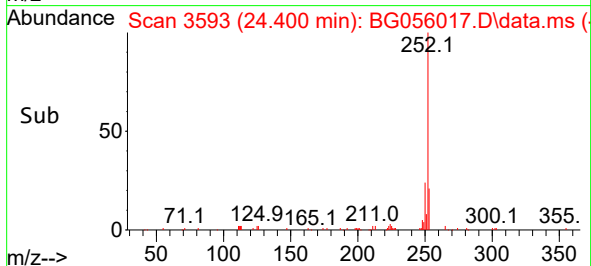
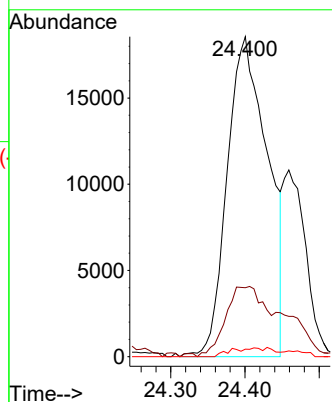
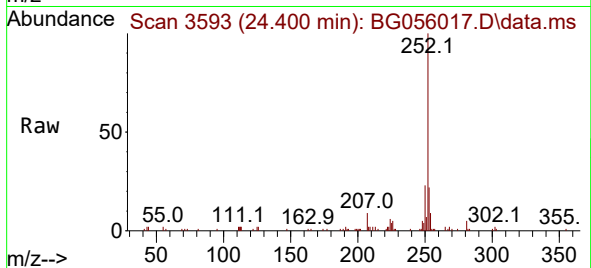
Tgt Ion:252 Resp: 70353

Ion Ratio Lower Upper

252 100

253 21.5 18.2 27.2

125 2.3 2.0 3.0



#90

Benzo(a)pyrene

Concen: 9.825 ng

RT: 25.346 min Scan# 3754

Delta R.T. -0.015 min

Lab File: BG056017.D

Acq: 19 Dec 2022 17:27

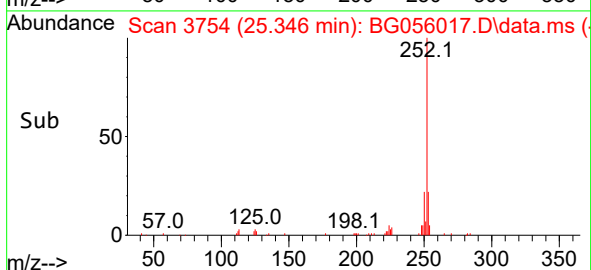
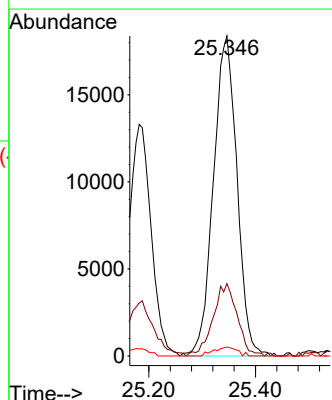
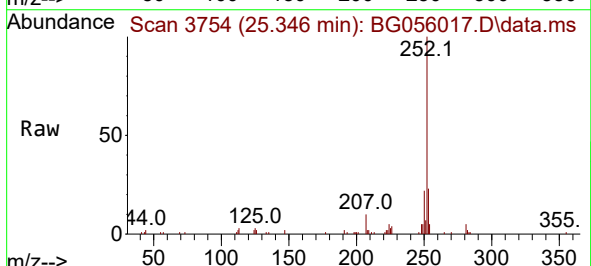
Tgt Ion:252 Resp: 56458

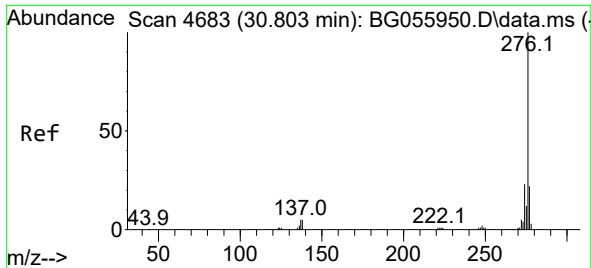
Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

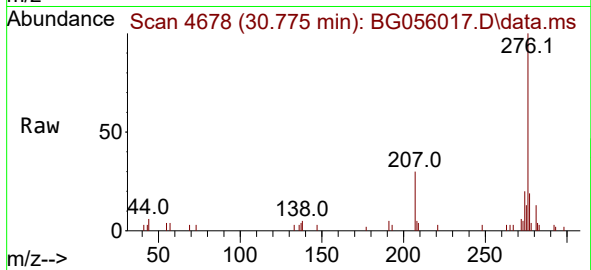
125 2.8 1.9 2.9





#92
 Benzo(g,h,i)perylene
 Concen: 5.001 ng
 RT: 30.775 min Scan# 4
 Delta R.T. -0.056 min
 Lab File: BG056017.D
 Acq: 19 Dec 2022 17:27

Instrument :
 BNA_G
 ClientSampleId :
 RB-25-(1-3)



Tgt Ion:	276	Resp:	34186
Ion	Ratio	Lower	Upper
276	100		
277	19.2	17.8	26.6
138	5.4	3.8	5.6

