

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020723\
 Data File : BG056570.D
 Acq On : 7 Feb 2023 16:40
 Operator : CG/JU
 Sample : 01463-12
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-6

Quant Time: Feb 08 03:06:20 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 08 03:02:11 2023
 Response via : Initial Calibration

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

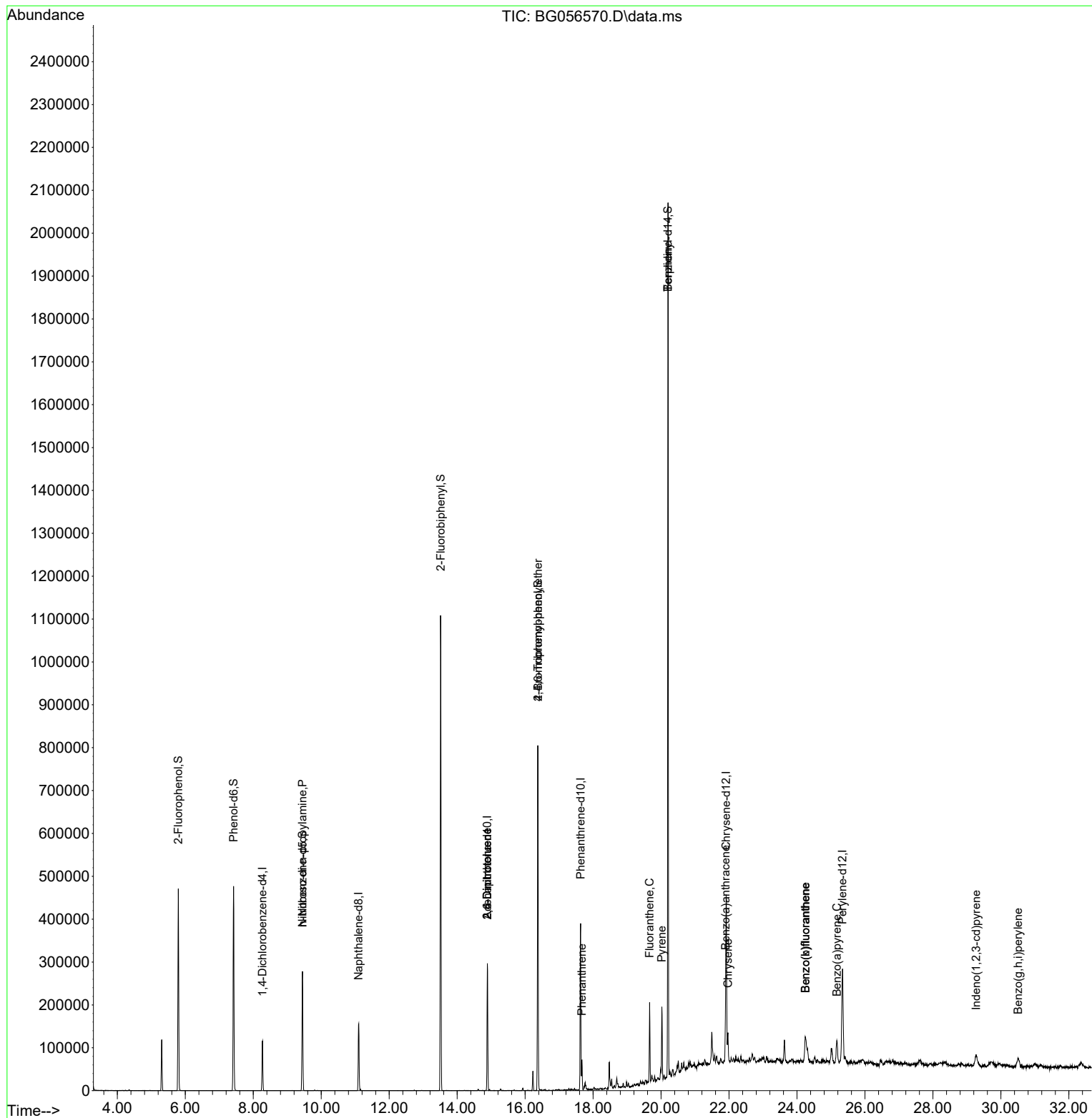
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.271	152	39379	20.000	ng	# 0.00
21) Naphthalene-d8	11.097	136	150903	20.000	ng	0.00
39) Acenaphthene-d10	14.886	164	112881	20.000	ng	0.00
64) Phenanthrene-d10	17.630	188	268440	20.000	ng	0.00
76) Chrysene-d12	21.913	240	239811	20.000	ng	-0.01
86) Perylene-d12	25.339	264	265601	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	268818	125.578	ng	0.00
7) Phenol-d6	7.419	99	371471	117.119	ng	0.00
23) Nitrobenzene-d5	9.446	82	197319	74.251	ng	0.00
42) 2,4,6-Tribromophenol	16.373	330	169465	112.925	ng	0.00
45) 2-Fluorobiphenyl	13.511	172	639701	78.569	ng	0.00
79) Terphenyl-d14	20.204	244	1080338	79.123	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.424	77	566	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.446	70	24196	13.238	ng	# 74
51) 2,6-Dinitrotoluene	14.886	165	15055	7.559	ng	# 37
57) 2,4-Dinitrotoluene	14.886	165	15055	5.367	ng	# 36
67) 4-Bromophenyl-phenylether	16.373	248	13882	4.040	ng	# 1
71) Phenanthrene	17.665	178	49689	3.537	ng	95
75) Fluoranthene	19.663	202	122975	6.935	ng	98
77) Benzidine	20.204	184	14729	2.270	ng	# 92
78) Pyrene	20.021	202	110394	6.472	ng	100
81) Benzo(a)anthracene	21.896	228	65384	3.900	ng	99
83) Chrysene	21.966	228	56211	3.569	ng	97
87) Indeno(1,2,3-cd)pyrene	29.269	276	44522	2.290	ng	# 90
88) Benzo(b)fluoranthene	24.246	252	89506	5.429	ng	99
89) Benzo(k)fluoranthene	24.246	252	89506	5.378	ng	# 98
90) Benzo(a)pyrene	25.174	252	61297	3.775	ng	# 96
92) Benzo(g,h,i)perylene	30.503	276	43792	2.781	ng	# 95

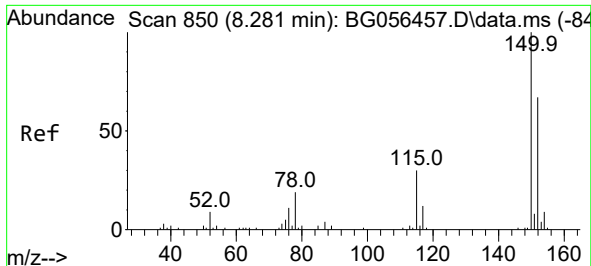
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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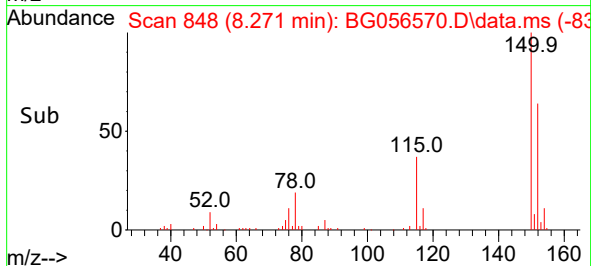
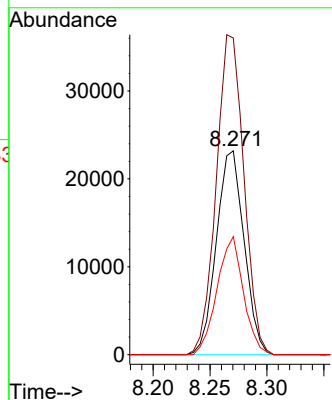
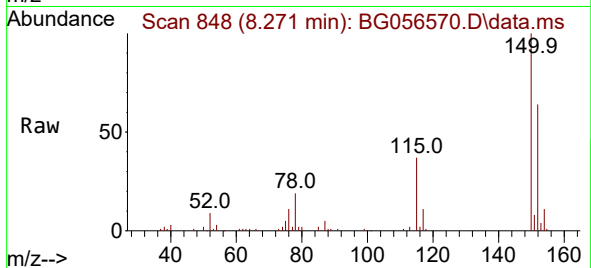




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.271 min Scan# 84
Delta R.T. 0.002 min
Lab File: BG056570.D
Acq: 7 Feb 2023 16:40

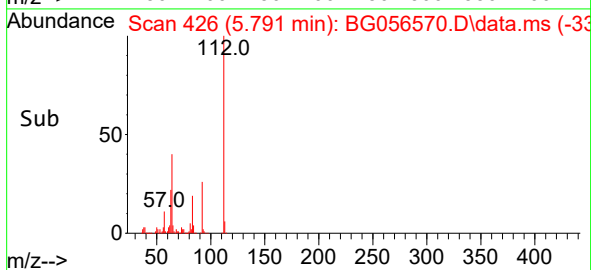
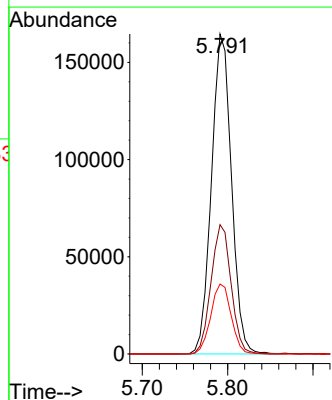
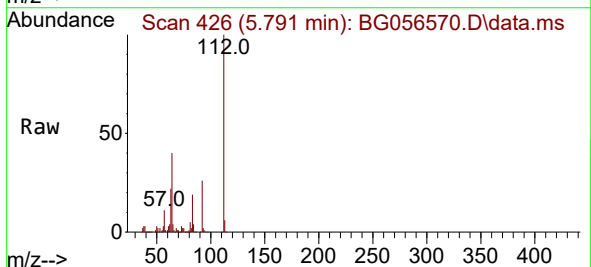
Instrument :
BNA_G
ClientSampleId :
COMP-6

Tgt Ion:152 Resp: 39379
Ion Ratio Lower Upper
152 100
150 155.3 120.2 180.4
115 57.9 36.3 54.5#



#5
2-Fluorophenol
Concen: 125.578 ng
RT: 5.791 min Scan# 426
Delta R.T. 0.001 min
Lab File: BG056570.D
Acq: 7 Feb 2023 16:40

Tgt Ion:112 Resp: 268818
Ion Ratio Lower Upper
112 100
64 40.4 31.9 47.9
63 21.9 17.4 26.0

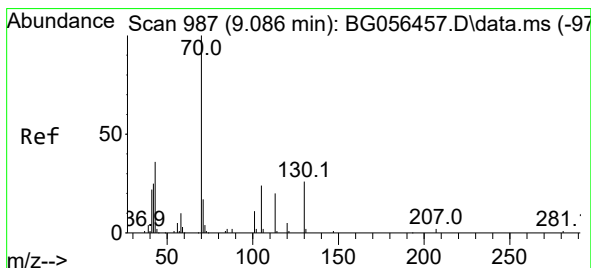
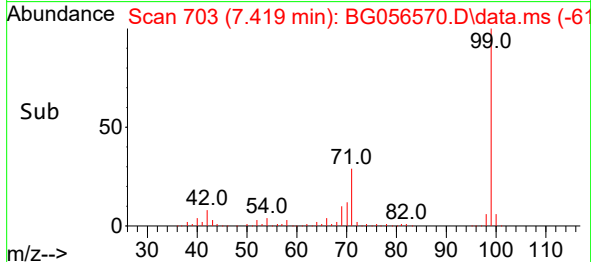
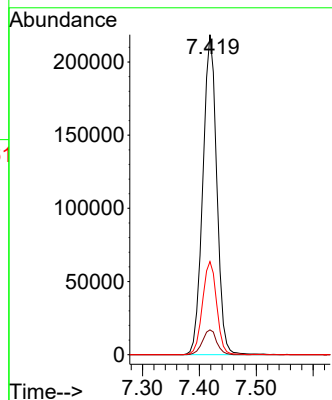
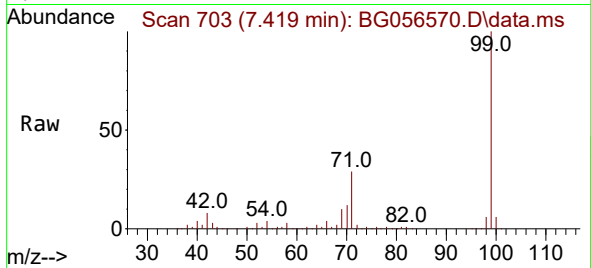




#7
Phenol-d6
Concen: 117.119 ng
RT: 7.419 min Scan# 704
Delta R.T. 0.001 min
Lab File: BG056570.D
Acq: 7 Feb 2023 16:40

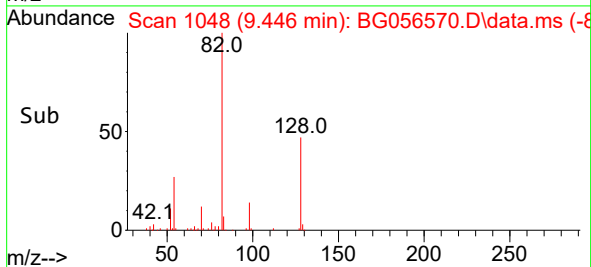
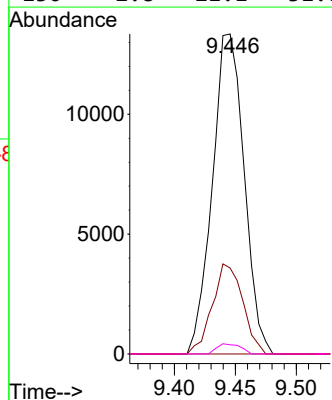
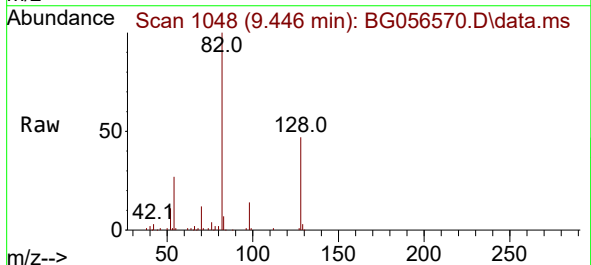
Instrument :
BNA_G
ClientSampleId :
COMP-6

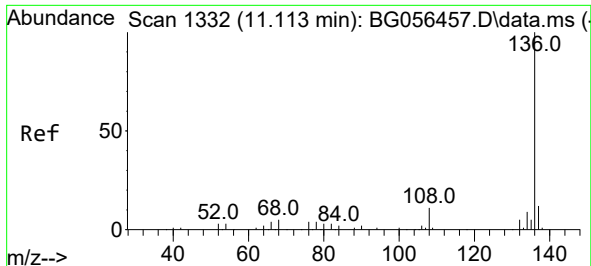
Tgt Ion: 99 Resp: 371471
Ion Ratio Lower Upper
99 100
42 7.8 6.6 10.0
71 29.1 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.238 ng
RT: 9.446 min Scan# 1048
Delta R.T. 0.371 min
Lab File: BG056570.D
Acq: 7 Feb 2023 16:40

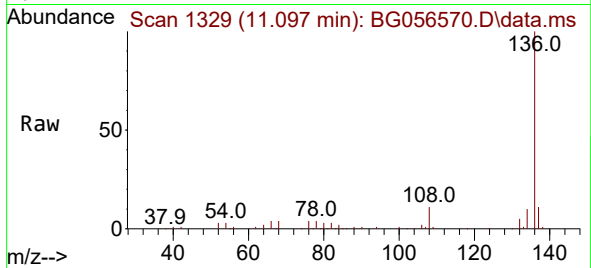
Tgt Ion: 70 Resp: 24196
Ion Ratio Lower Upper
70 100
42 26.8 20.2 30.4
101 0.0 9.1 13.7#
130 2.8 21.1 31.7#



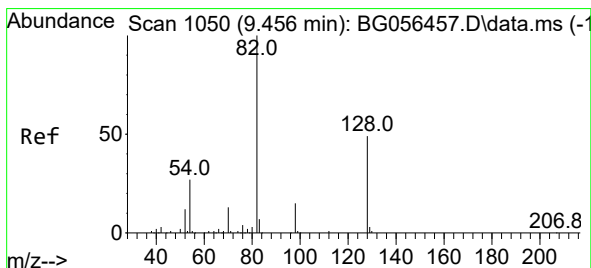
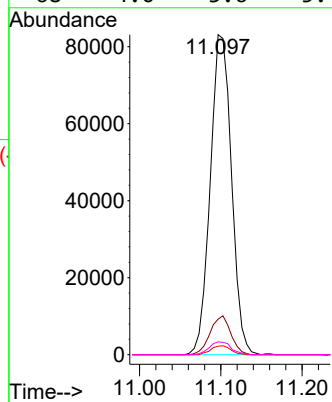
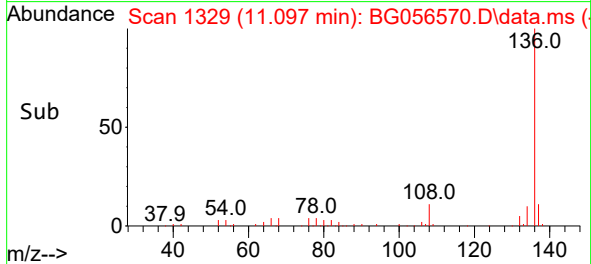


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.097 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG056570.D
Acq: 7 Feb 2023 16:40

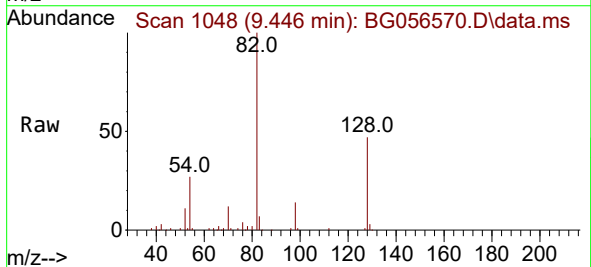
Instrument :
BNA_G
ClientSampleId :
COMP-6



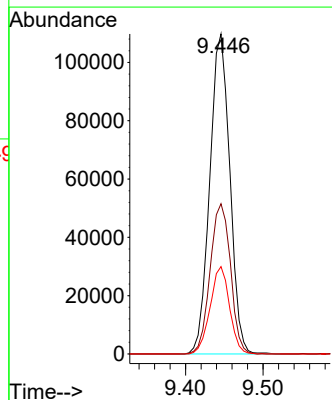
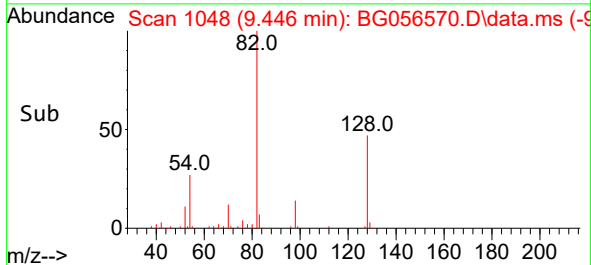
Tgt Ion:136 Resp: 150903
Ion Ratio Lower Upper
136 100
137 11.1 9.4 14.0
54 2.7 2.2 3.4
68 4.0 3.6 5.4

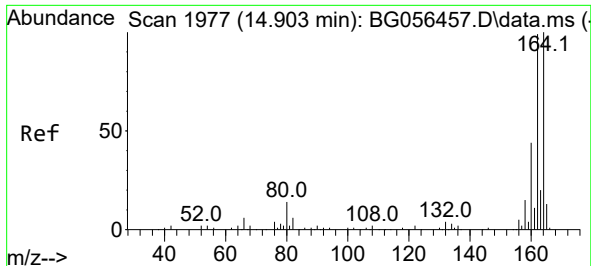


#23
Nitrobenzene-d5
Concen: 74.251 ng
RT: 9.446 min Scan# 1048
Delta R.T. 0.001 min
Lab File: BG056570.D
Acq: 7 Feb 2023 16:40



Tgt Ion: 82 Resp: 197319
Ion Ratio Lower Upper
82 100
128 46.9 39.4 59.2
54 27.3 21.4 32.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.886 min Scan# 1974

Delta R.T. -0.005 min

Lab File: BG056570.D

Acq: 7 Feb 2023 16:40

Instrument :

BNA_G

ClientSampleId :

COMP-6

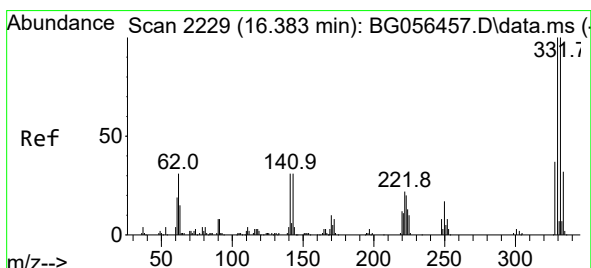
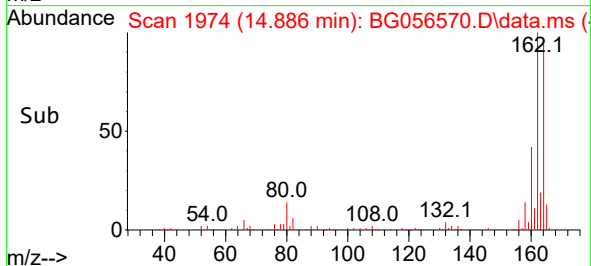
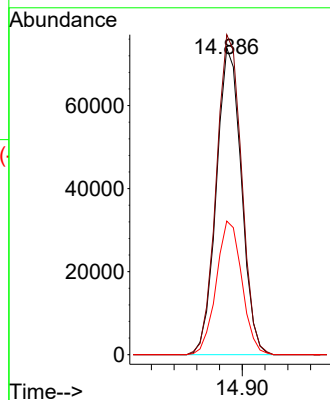
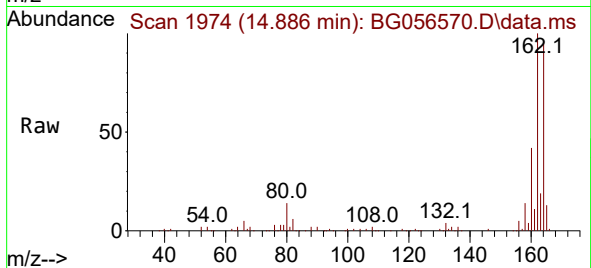
Tgt Ion:164 Resp: 112881

Ion Ratio Lower Upper

164 100

162 104.3 79.6 119.4

160 43.6 34.9 52.3



#42

2,4,6-Tribromophenol

Concen: 112.925 ng

RT: 16.373 min Scan# 2227

Delta R.T. -0.005 min

Lab File: BG056570.D

Acq: 7 Feb 2023 16:40

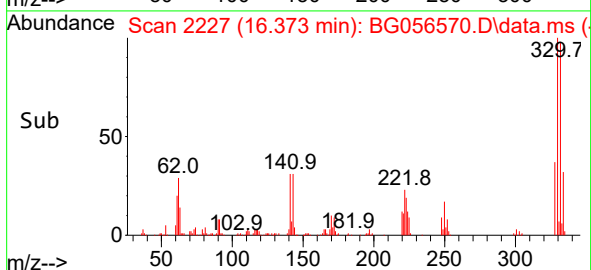
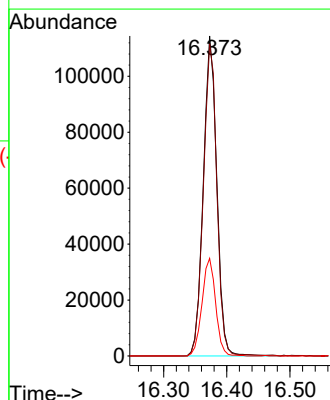
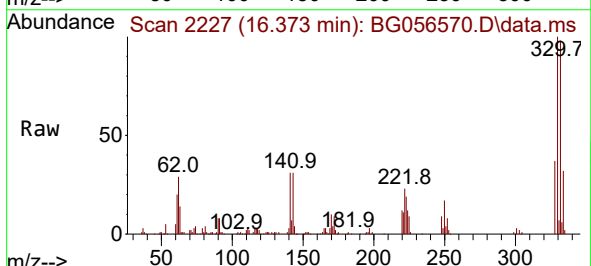
Tgt Ion:330 Resp: 169465

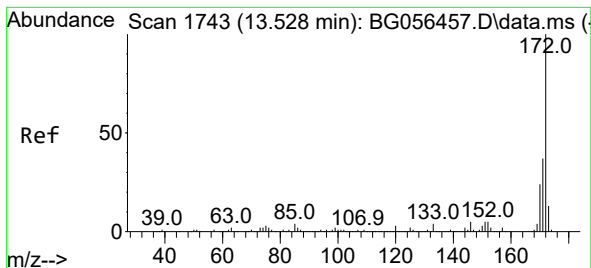
Ion Ratio Lower Upper

330 100

332 97.4 79.0 118.6

141 30.8 24.2 36.4





#45

2-Fluorobiphenyl

Concen: 78.569 ng

RT: 13.511 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG056570.D

Acq: 7 Feb 2023 16:40

Instrument :

BNA_G

ClientSampleId :

COMP-6

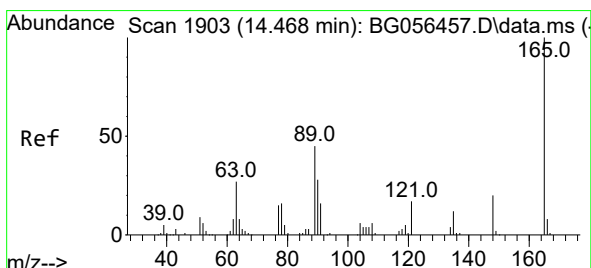
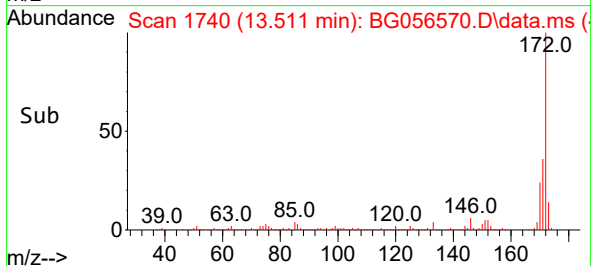
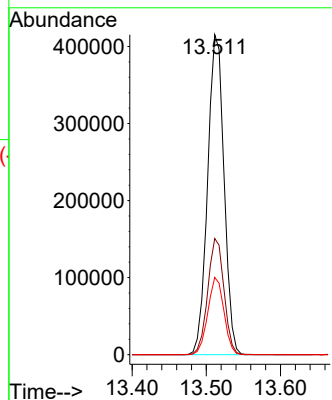
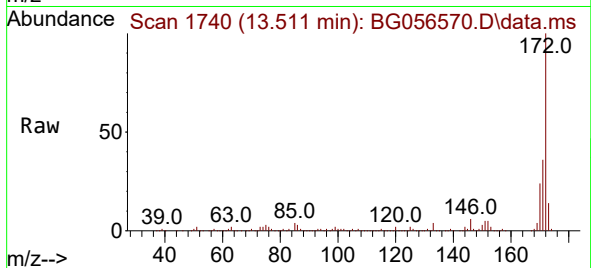
Tgt Ion:172 Resp: 639701

Ion Ratio Lower Upper

172 100

171 36.3 29.5 44.3

170 24.2 19.2 28.8



#51

2,6-Dinitrotoluene

Concen: 7.559 ng

RT: 14.886 min Scan# 1974

Delta R.T. 0.424 min

Lab File: BG056570.D

Acq: 7 Feb 2023 16:40

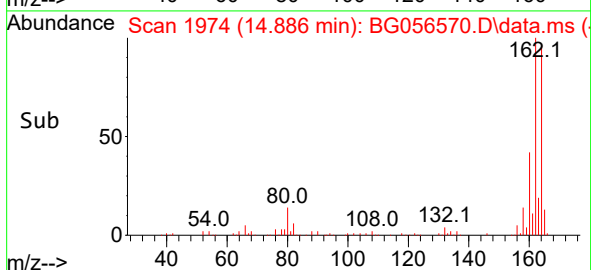
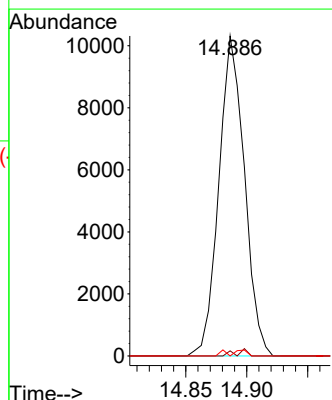
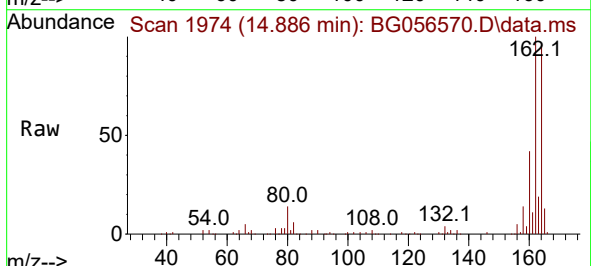
Tgt Ion:165 Resp: 15055

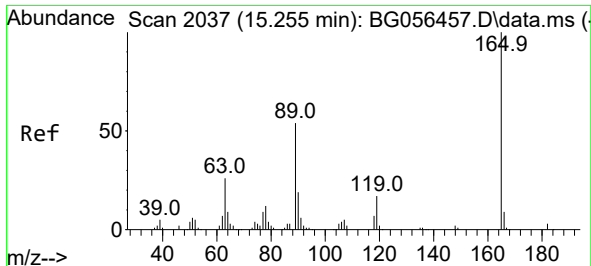
Ion Ratio Lower Upper

165 100

63 1.6 26.9 40.3#

89 0.0 35.6 53.4#





#57

2,4-Dinitrotoluene

Concen: 5.367 ng

RT: 14.886 min Scan# 1974

Delta R.T. -0.363 min

Lab File: BG056570.D

Acq: 7 Feb 2023 16:40

Instrument :

BNA_G

ClientSampleId :

COMP-6

Tgt Ion:165 Resp: 15055

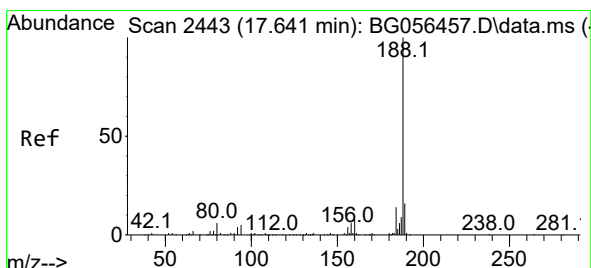
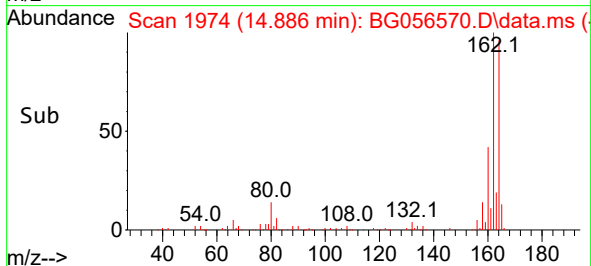
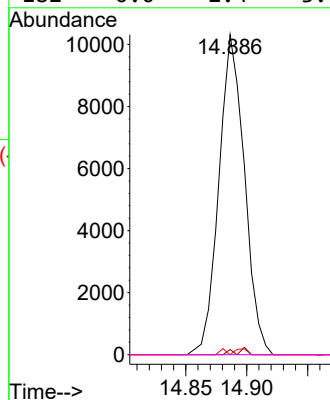
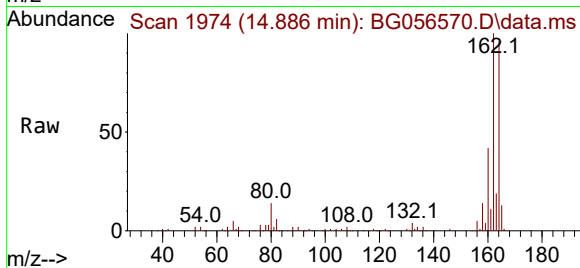
Ion Ratio Lower Upper

165 100

63 1.6 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: 17.630 min Scan# 2441

Delta R.T. 0.001 min

Lab File: BG056570.D

Acq: 7 Feb 2023 16:40

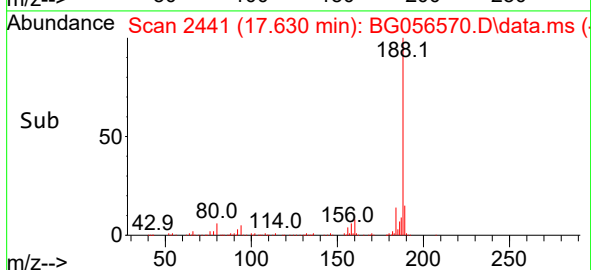
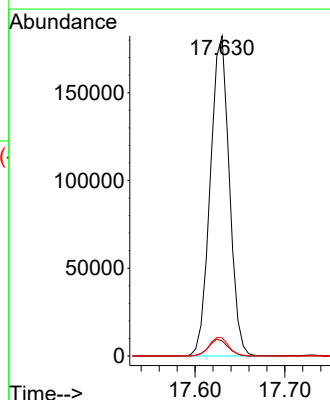
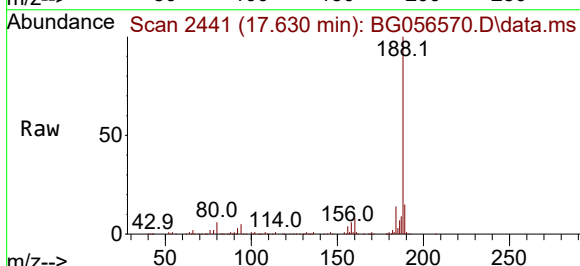
Tgt Ion:188 Resp: 268440

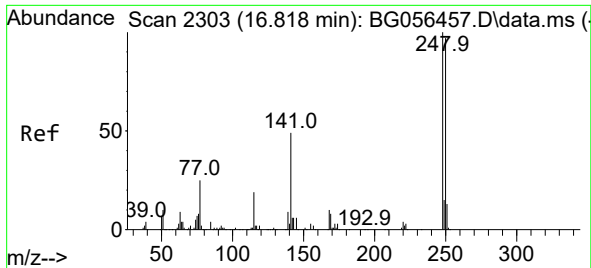
Ion Ratio Lower Upper

188 100

94 4.7 4.1 6.1

80 5.7 5.0 7.4

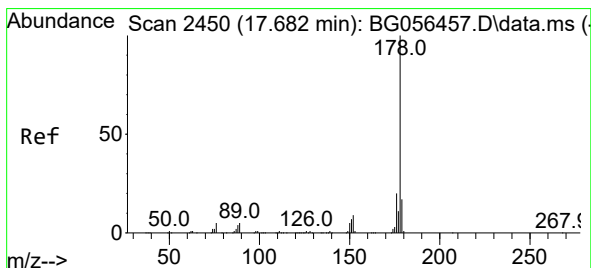
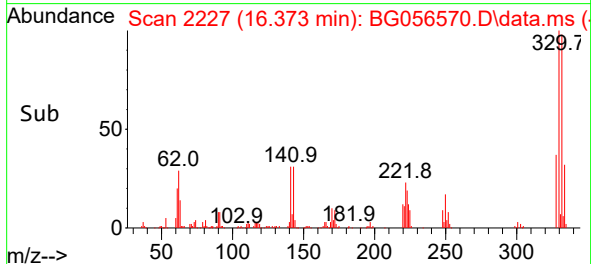
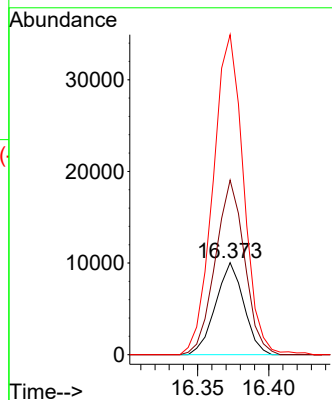
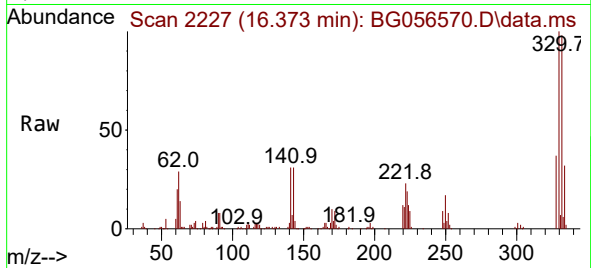




#67
4-Bromophenyl-phenylether
Concen: 4.040 ng
RT: 16.373 min Scan# 21
Delta R.T. -0.434 min
Lab File: BG056570.D
Acq: 7 Feb 2023 16:40

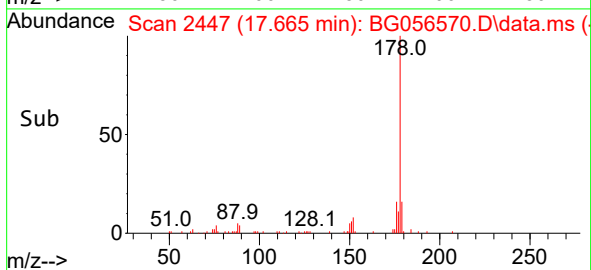
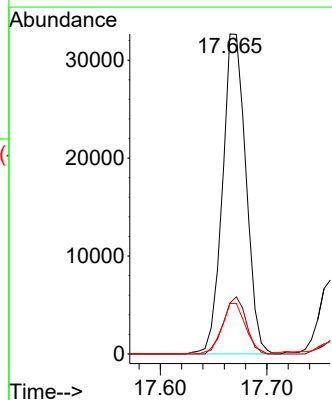
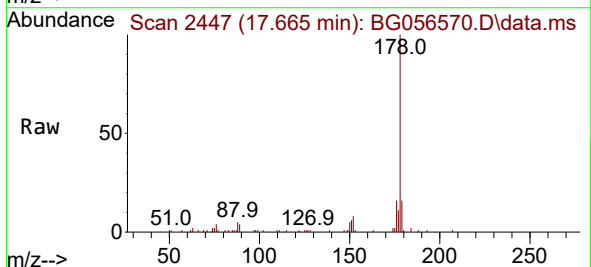
Instrument :
BNA_G
ClientSampleId :
COMP-6

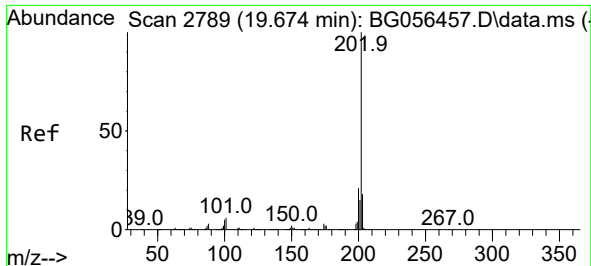
Tgt Ion:248 Resp: 13882
Ion Ratio Lower Upper
248 100
250 189.9 77.6 116.4#
141 348.1 39.0 58.4#



#71
Phenanthrene
Concen: 3.537 ng
RT: 17.665 min Scan# 2447
Delta R.T. -0.005 min
Lab File: BG056570.D
Acq: 7 Feb 2023 16:40

Tgt Ion:178 Resp: 49689
Ion Ratio Lower Upper
178 100
176 15.9 15.6 23.4
179 15.8 13.3 19.9

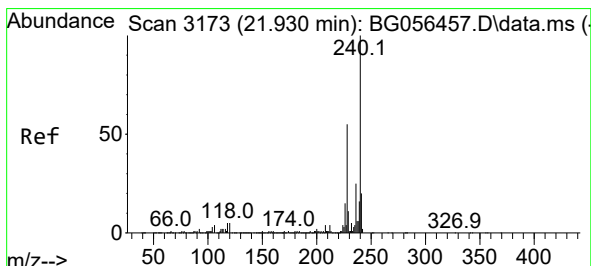
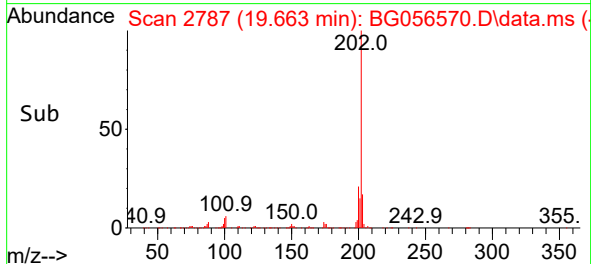
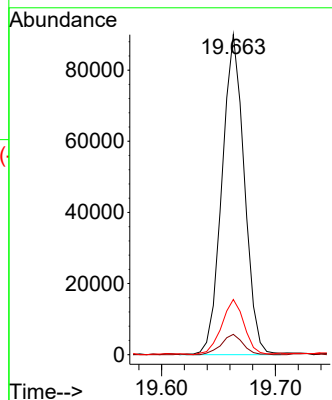
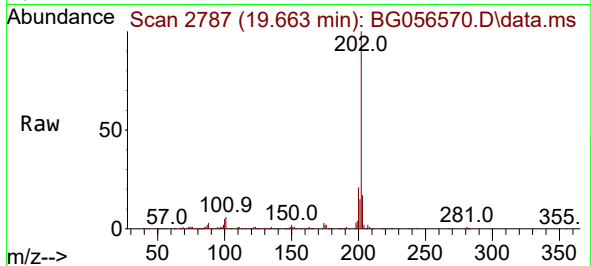




#75
Fluoranthene
Concen: 6.935 ng
RT: 19.663 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG056570.D
Acq: 7 Feb 2023 16:40

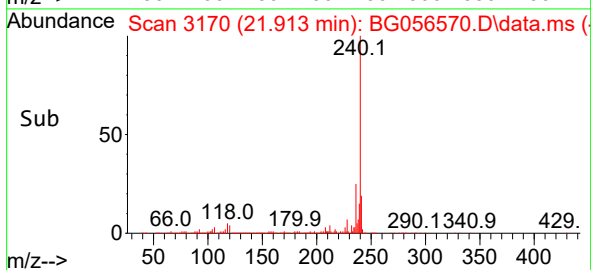
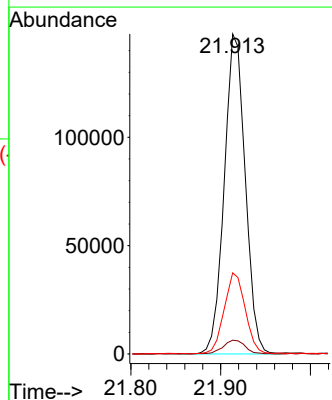
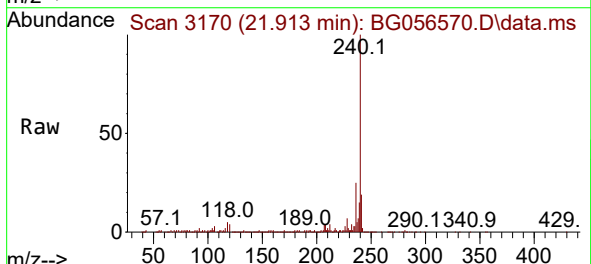
Instrument :
BNA_G
ClientSampleId :
COMP-6

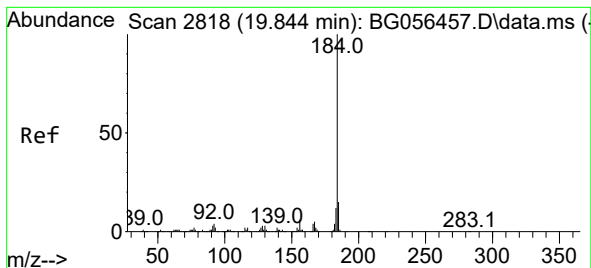
Tgt Ion:202 Resp: 122975
Ion Ratio Lower Upper
202 100
101 6.4 0.0 25.6
203 17.2 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.913 min Scan# 3170
Delta R.T. -0.011 min
Lab File: BG056570.D
Acq: 7 Feb 2023 16:40

Tgt Ion:240 Resp: 239811
Ion Ratio Lower Upper
240 100
120 4.3 3.8 5.8
236 25.3 20.2 30.2





#77

Benzidine

Concen: 2.270 ng

RT: 20.204 min Scan# 21

Delta R.T. 0.371 min

Lab File: BG056570.D

Acq: 7 Feb 2023 16:40

Instrument :

BNA_G

ClientSampleId :

COMP-6

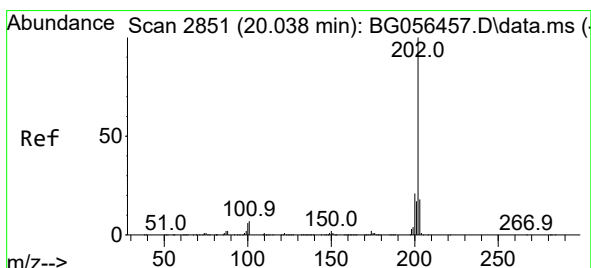
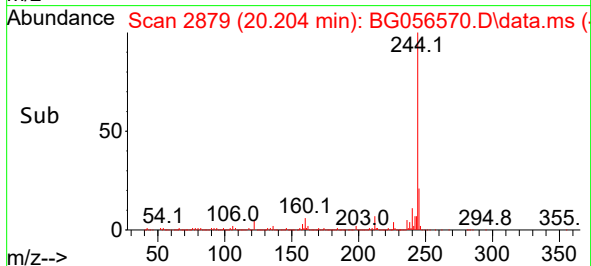
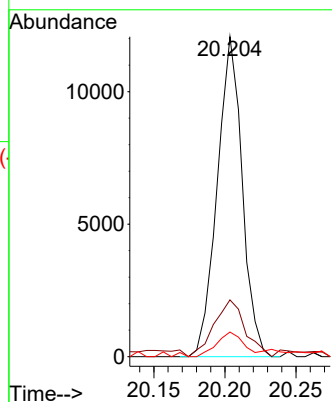
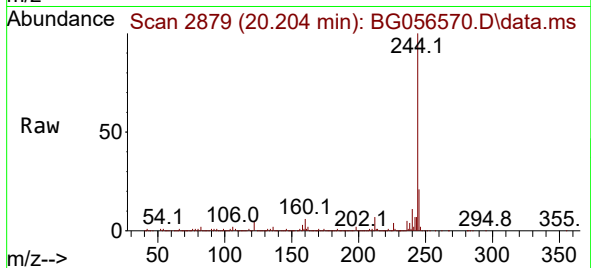
Tgt Ion:184 Resp: 14729

Ion Ratio Lower Upper

184 100

185 17.7 12.3 18.5

183 7.7 9.8 14.8#



#78

Pyrene

Concen: 6.472 ng

RT: 20.021 min Scan# 2848

Delta R.T. -0.005 min

Lab File: BG056570.D

Acq: 7 Feb 2023 16:40

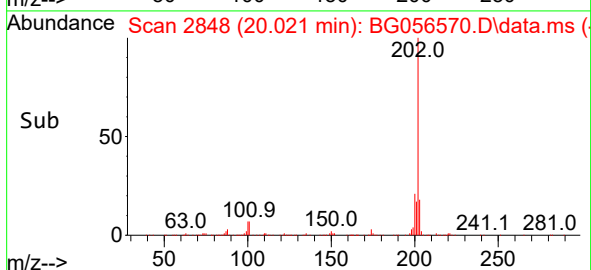
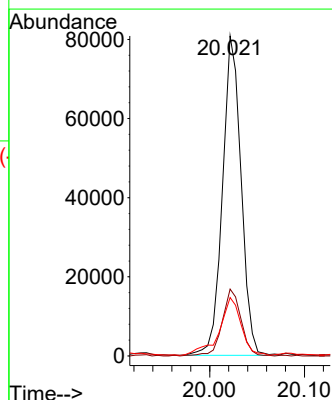
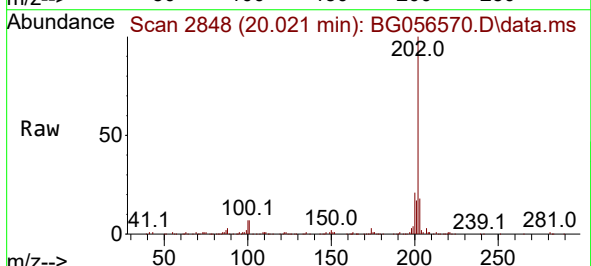
Tgt Ion:202 Resp: 110394

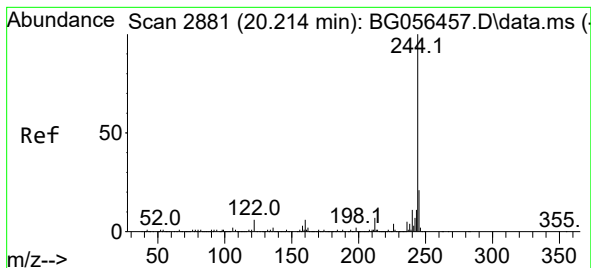
Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

203 18.2 14.4 21.6





#79

Terphenyl-d14

Concen: 79.123 ng

RT: 20.204 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG056570.D

Acq: 7 Feb 2023 16:40

Instrument :

BNA_G

ClientSampleId :

COMP-6

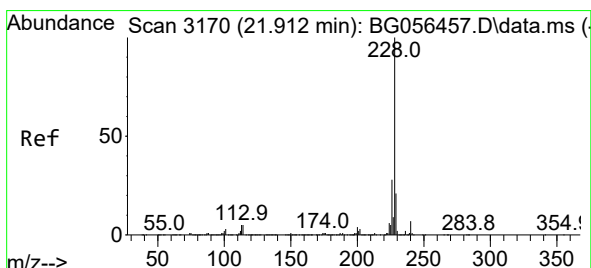
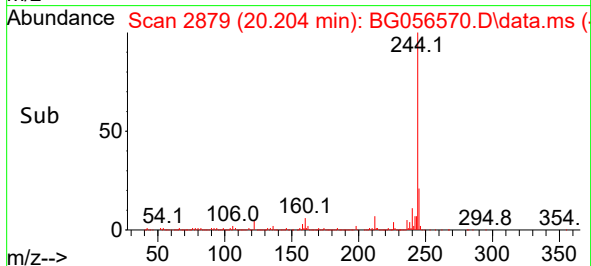
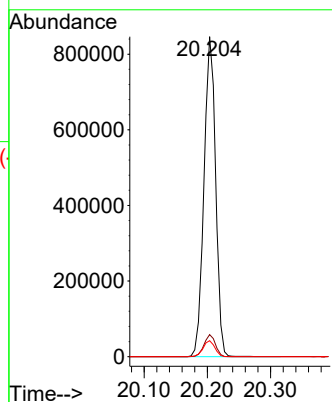
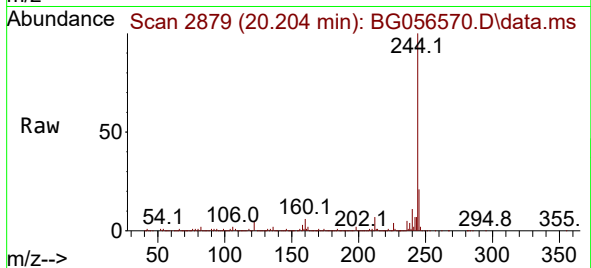
Tgt Ion:244 Resp: 1080338

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: 3.900 ng

RT: 21.896 min Scan# 3167

Delta R.T. -0.005 min

Lab File: BG056570.D

Acq: 7 Feb 2023 16:40

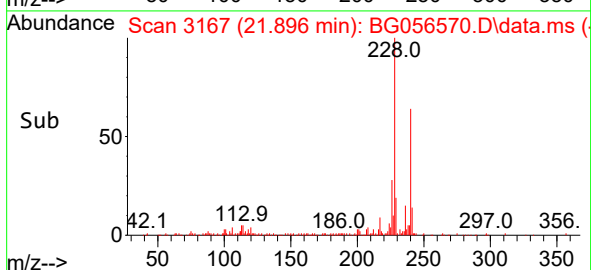
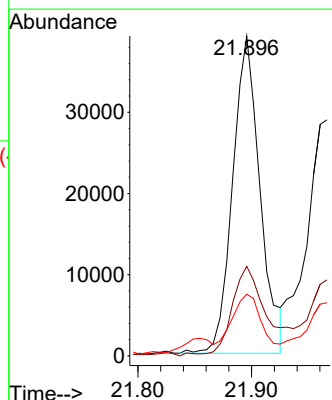
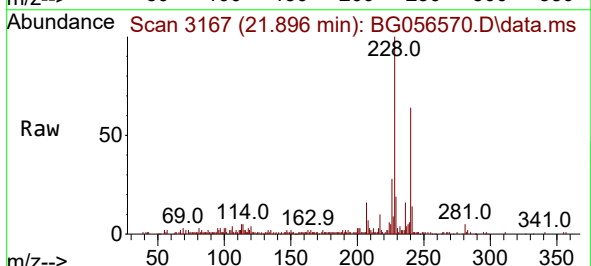
Tgt Ion:228 Resp: 65384

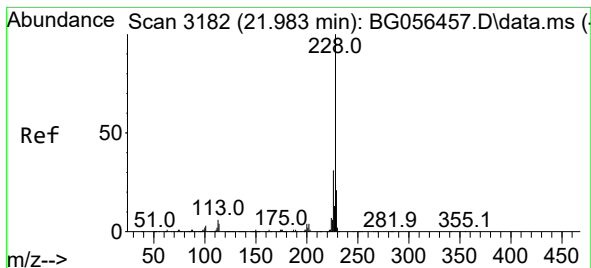
Ion Ratio Lower Upper

228 100

226 28.0 22.4 33.6

229 19.3 16.5 24.7





#83

Chrysene

Concen: 3.569 ng

RT: 21.966 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG056570.D

Acq: 7 Feb 2023 16:40

Instrument :

BNA_G

ClientSampleId :

COMP-6

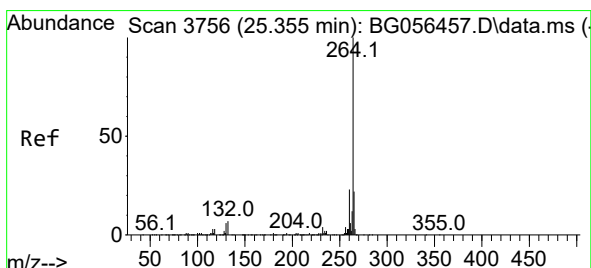
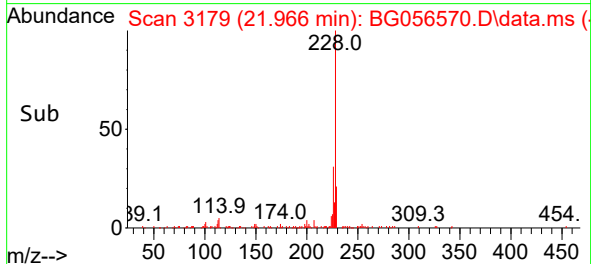
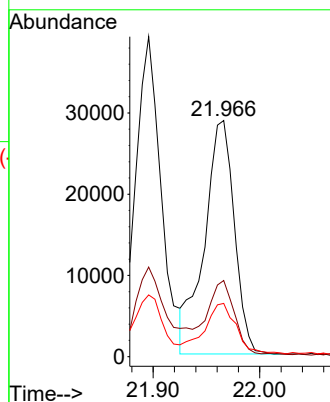
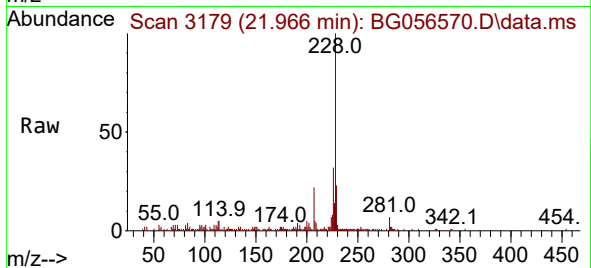
Tgt Ion:228 Resp: 56211

Ion Ratio Lower Upper

228 100

226 32.2 25.0 37.4

229 22.6 16.4 24.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.339 min Scan# 3753

Delta R.T. 0.001 min

Lab File: BG056570.D

Acq: 7 Feb 2023 16:40

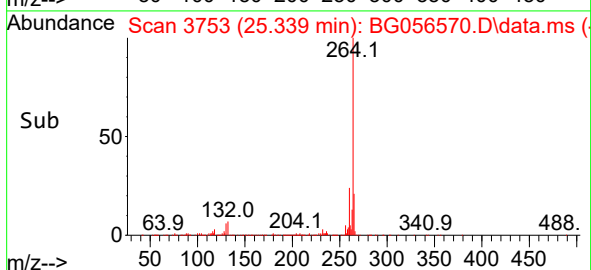
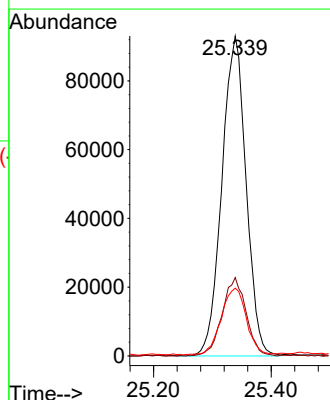
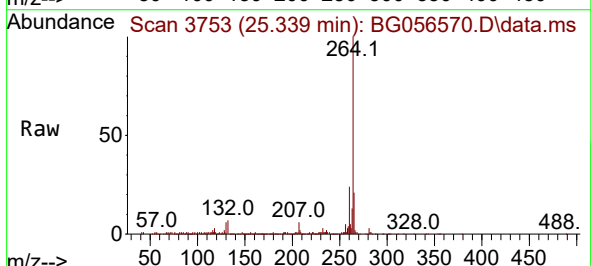
Tgt Ion:264 Resp: 265601

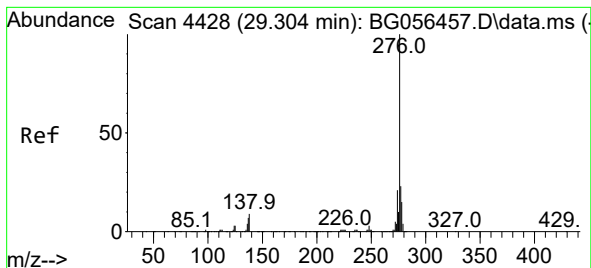
Ion Ratio Lower Upper

264 100

260 24.5 18.2 27.4

265 21.2 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.290 ng

RT: 29.269 min Scan# 4422

Delta R.T. -0.017 min

Lab File: BG056570.D

Acq: 7 Feb 2023 16:40

Instrument :

BNA_G

ClientSampleId :

COMP-6

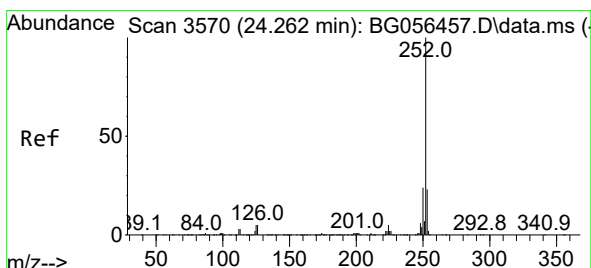
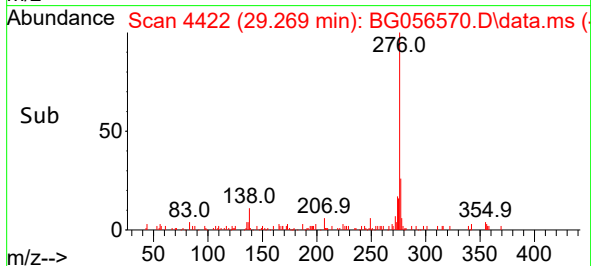
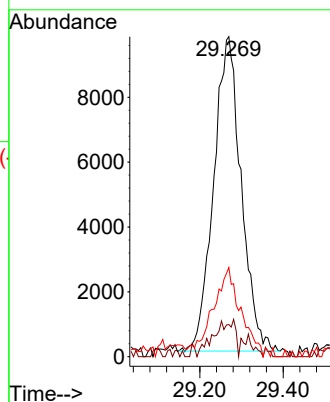
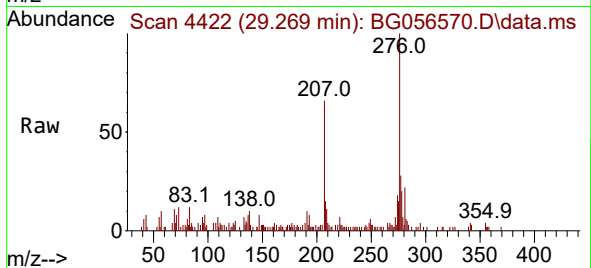
Tgt Ion:276 Resp: 44522

Ion Ratio Lower Upper

276 100

138 5.2 9.4 14.2#

277 28.9 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 5.429 ng

RT: 24.246 min Scan# 3567

Delta R.T. -0.005 min

Lab File: BG056570.D

Acq: 7 Feb 2023 16:40

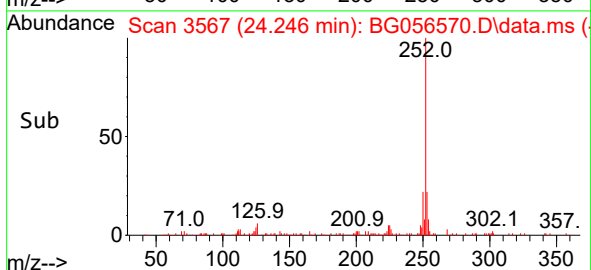
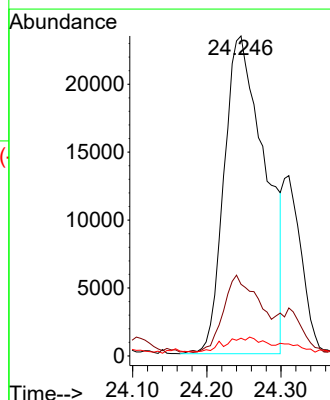
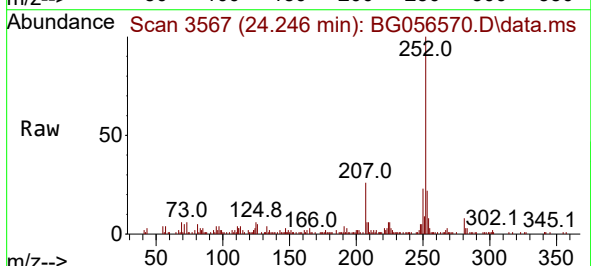
Tgt Ion:252 Resp: 89506

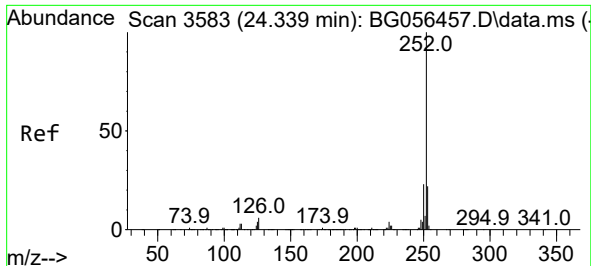
Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

125 5.6 3.9 5.9

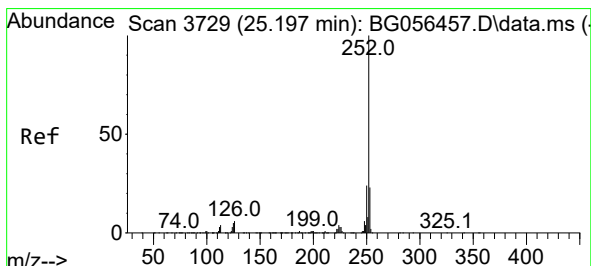
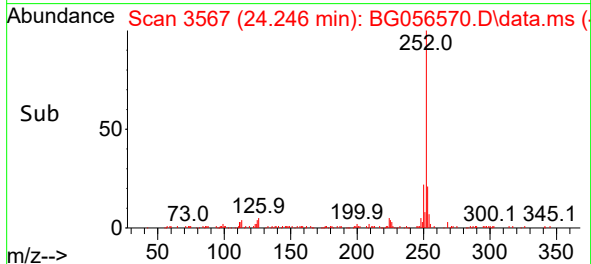
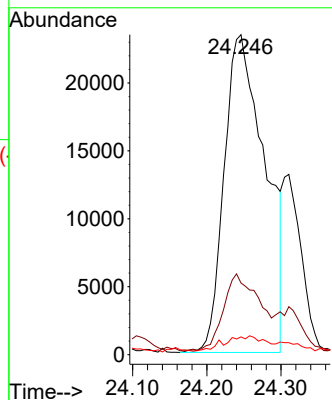
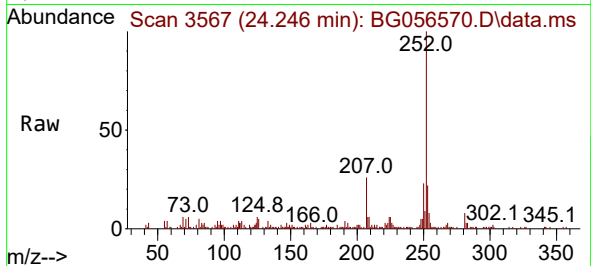




#89
Benzo(k)fluoranthene
Concen: 5.378 ng
RT: 24.246 min Scan# 31
Delta R.T. -0.075 min
Lab File: BG056570.D
Acq: 7 Feb 2023 16:40

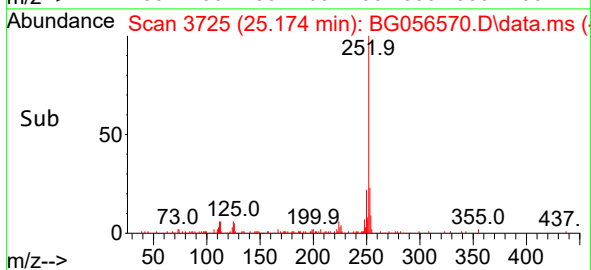
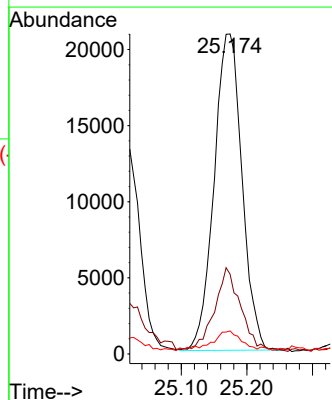
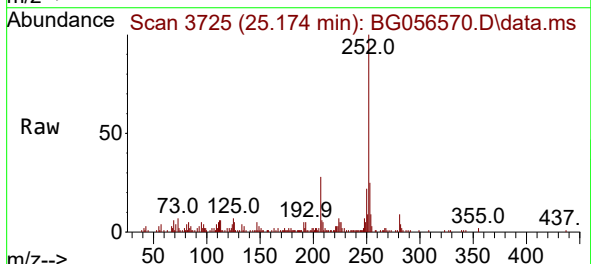
Instrument :
BNA_G
ClientSampleId :
COMP-6

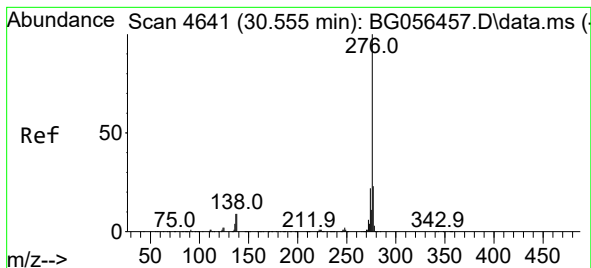
Tgt Ion:252 Resp: 89506
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 5.6 3.4 5.0#



#90
Benzo(a)pyrene
Concen: 3.775 ng
RT: 25.174 min Scan# 3725
Delta R.T. -0.005 min
Lab File: BG056570.D
Acq: 7 Feb 2023 16:40

Tgt Ion:252 Resp: 61297
Ion Ratio Lower Upper
252 100
253 24.9 18.4 27.6
125 7.2 4.1 6.1#





#92

Benzo(g,h,i)perylene

Concen: 2.781 ng

RT: 30.503 min Scan# 4

Delta R.T. -0.022 min

Lab File: BG056570.D

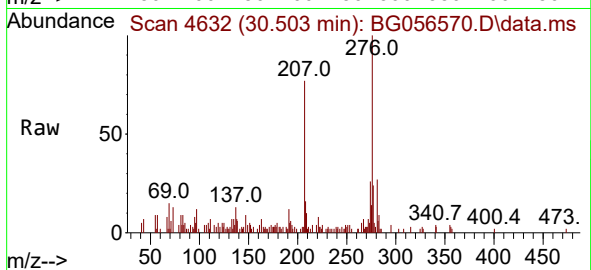
Acq: 7 Feb 2023 16:40

Instrument :

BNA_G

ClientSampleId :

COMP-6



Tgt Ion:276 Resp: 43792

Ion Ratio Lower Upper

276 100

277 24.1 18.5 27.7

138 13.8 7.4 11.0#

