

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020723\
 Data File : BG056576.D
 Acq On : 7 Feb 2023 20:47
 Operator : CG/JU
 Sample : 01445-07 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-29-020323

Quant Time: Feb 08 03:07:51 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)

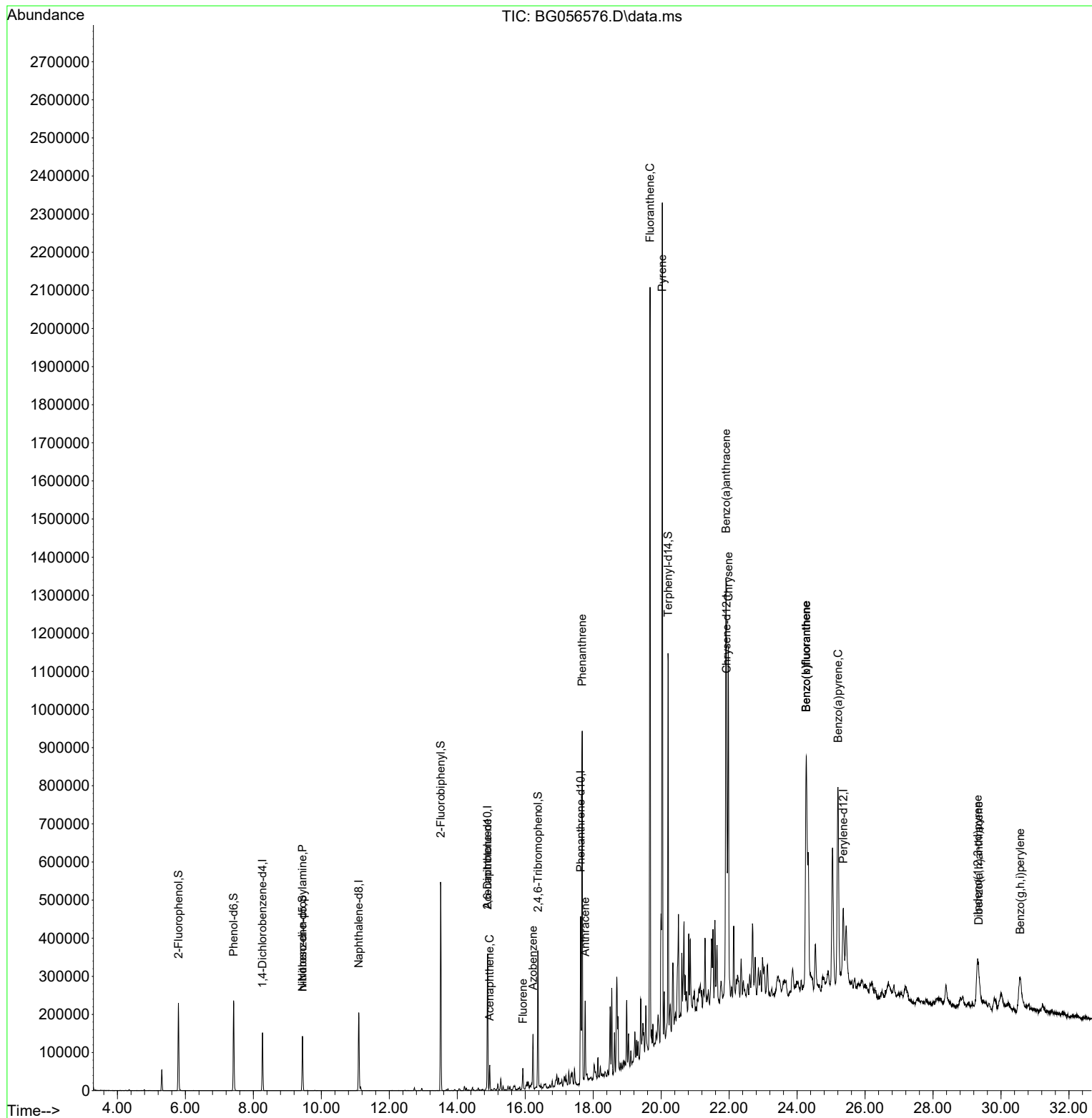
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.269	152	51331	20.000	ng	0.00
21) Naphthalene-d8	11.101	136	191023	20.000	ng	0.00
39) Acenaphthene-d10	14.891	164	134670	20.000	ng	0.00
64) Phenanthrene-d10	17.629	188	297724	20.000	ng	0.00
76) Chrysene-d12	21.924	240	275218	20.000	ng	0.00
86) Perylene-d12	25.361	264	271749	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	138179	49.520	ng	0.00
7) Phenol-d6	7.417	99	189081	45.734	ng	0.00
23) Nitrobenzene-d5	9.444	82	100424	29.853	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	74510	41.617	ng	0.00
45) 2-Fluorobiphenyl	13.510	172	318381	32.777	ng	0.00
79) Terphenyl-d14	20.208	244	504153	32.174	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.406	77	149	Below Cal	#	25
19) n-Nitroso-di-n-propyla...	9.444	70	12713	5.336	ng	# 72
51) 2,6-Dinitrotoluene	14.891	165	18528	7.798	ng	# 37
52) Acenaphthene	14.956	154	25215	3.423	ng	95
58) Fluorene	15.931	166	25539	2.430	ng	96
63) Azobenzene	16.231	77	34583	4.913	ng	# 1
71) Phenanthrene	17.676	178	633585	40.660	ng	99
72) Anthracene	17.764	178	154193	9.640	ng	100
75) Fluoranthene	19.674	202	1408406	71.614	ng	98
78) Pyrene	20.032	202	1514816	77.389	ng	97
81) Benzo(a)anthracene	21.906	228	808062	41.997	ng	99
83) Chrysene	21.977	228	730629	40.419	ng	99
87) Indeno(1,2,3-cd)pyrene	29.315	276	337139	16.948	ng	# 92
88) Benzo(b)fluoranthene	24.268	252	994440	58.957	ng	98
89) Benzo(k)fluoranthene	24.268	252	994440	58.394	ng	96
90) Benzo(a)pyrene	25.202	252	829641	49.933	ng	98
91) Dibenzo(a,h)anthracene	29.345	278	73100	4.378	ng	# 85
92) Benzo(g,h,i)perylene	30.567	276	304901	18.925	ng	99

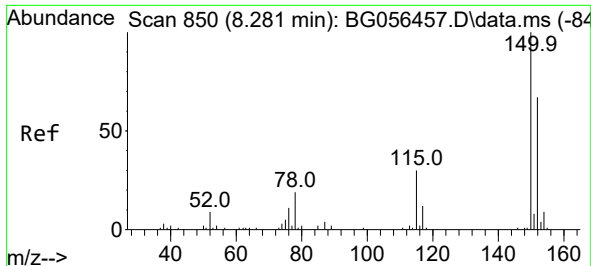
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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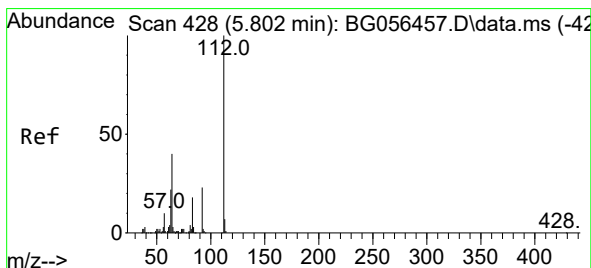
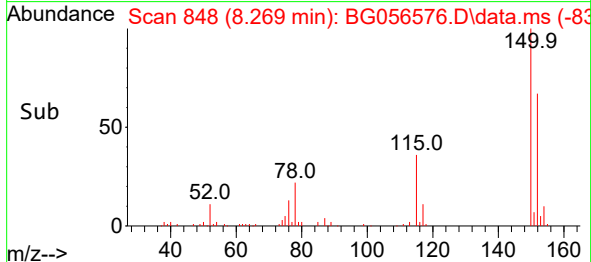
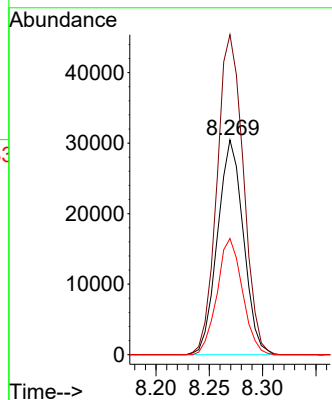
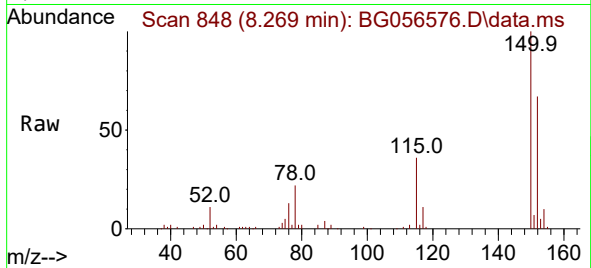




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.269 min Scan# 84
Delta R.T. 0.000 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

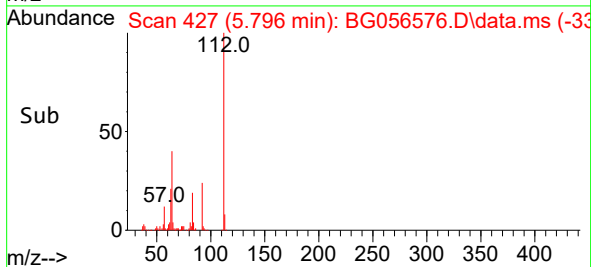
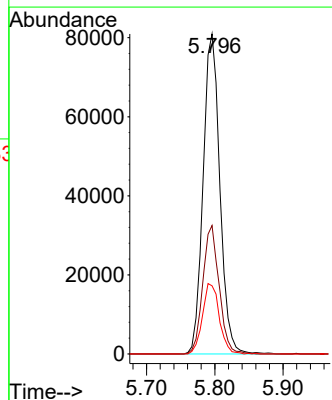
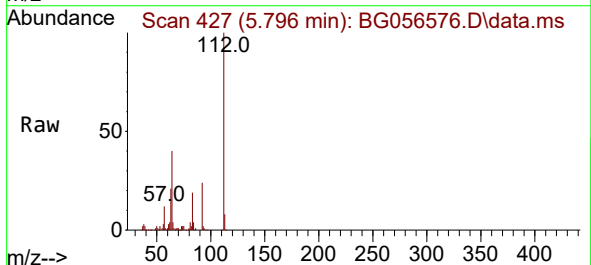
Instrument :
BNA_G
ClientSampleId :
JPP-29-020323

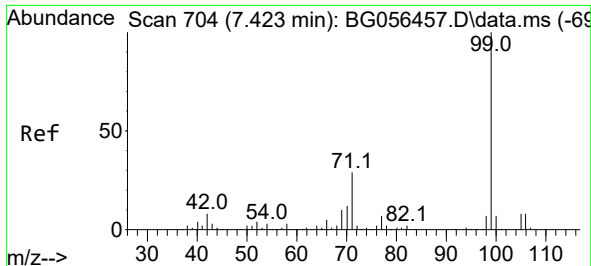
Tgt Ion:152 Resp: 51331
Ion Ratio Lower Upper
152 100
150 149.1 120.2 180.4
115 54.1 36.3 54.5



#5
2-Fluorophenol
Concen: 49.520 ng
RT: 5.796 min Scan# 427
Delta R.T. 0.006 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

Tgt Ion:112 Resp: 138179
Ion Ratio Lower Upper
112 100
64 40.2 31.9 47.9
63 21.3 17.4 26.0

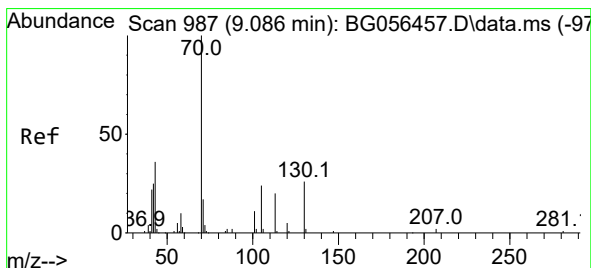
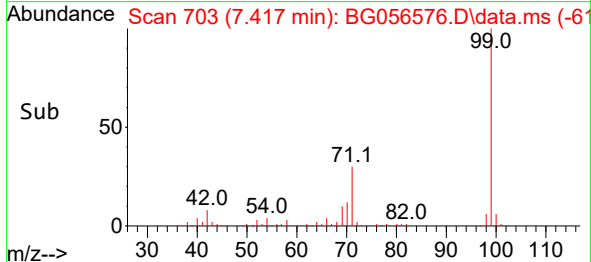
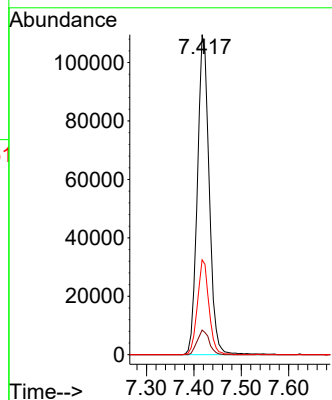
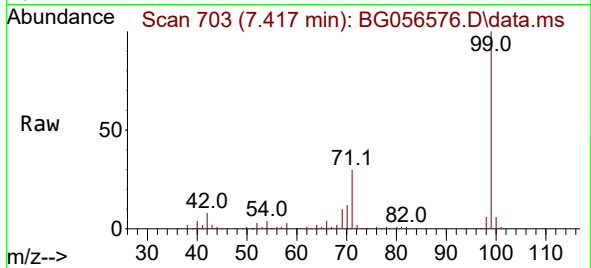




#7
Phenol-d6
Concen: 45.734 ng
RT: 7.417 min Scan# 704
Delta R.T. -0.000 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

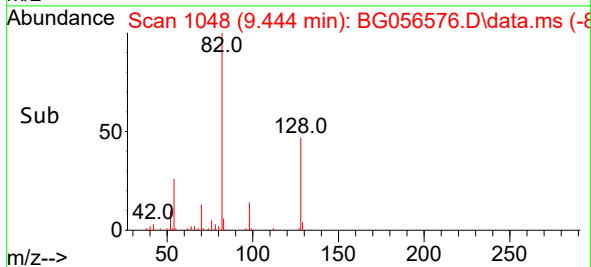
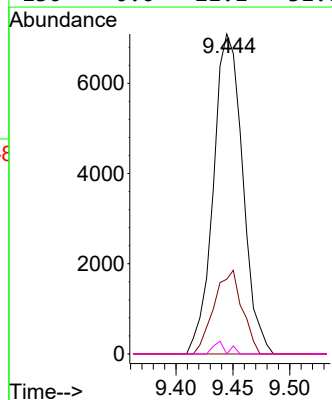
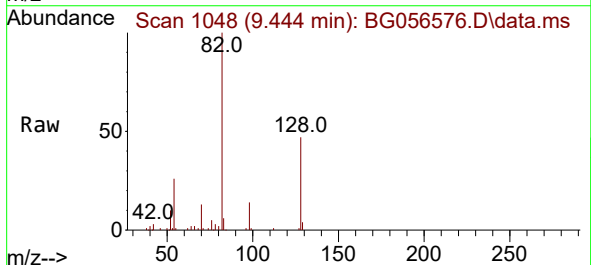
Instrument :
BNA_G
ClientSampleId :
JPP-29-020323

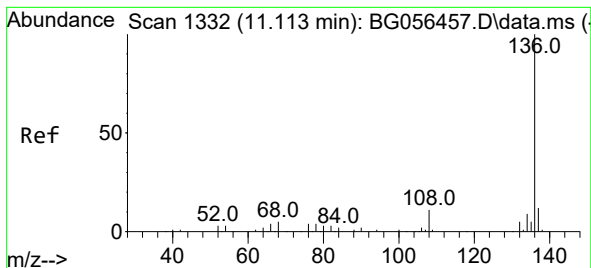
Tgt Ion: 99 Resp: 189081
Ion Ratio Lower Upper
99 100
42 7.7 6.6 10.0
71 29.7 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 5.336 ng
RT: 9.444 min Scan# 1048
Delta R.T. 0.370 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

Tgt Ion: 70 Resp: 12713
Ion Ratio Lower Upper
70 100
42 23.3 20.2 30.4
101 0.0 9.1 13.7#
130 0.0 21.1 31.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.101 min Scan# 11

Delta R.T. -0.000 min

Lab File: BG056576.D

Acq: 7 Feb 2023 20:47

Instrument :

BNA_G

ClientSampleId :

JPP-29-020323

Tgt Ion:136 Resp: 191023

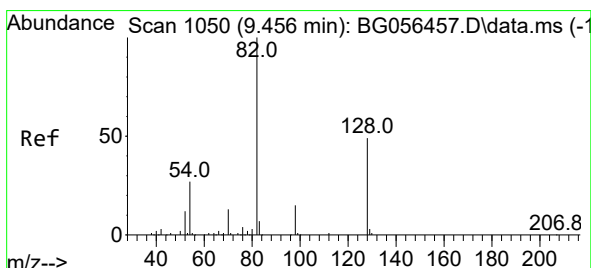
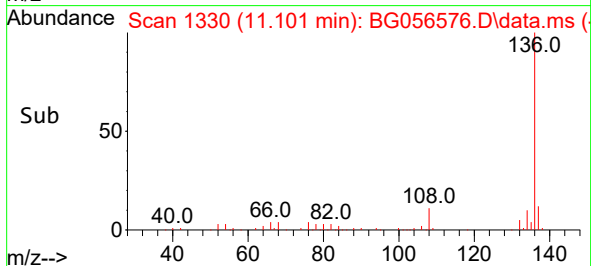
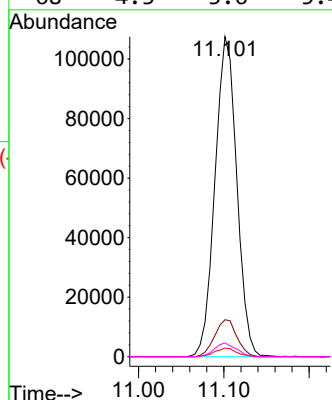
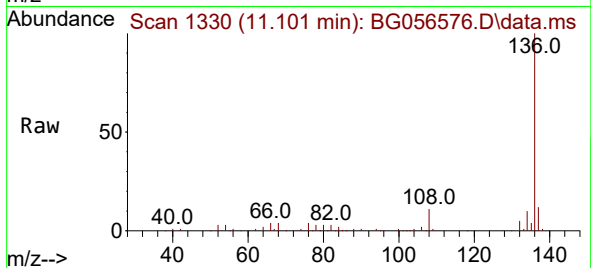
Ion Ratio Lower Upper

136 100

137 11.5 9.4 14.0

54 2.7 2.2 3.4

68 4.3 3.6 5.4



#23

Nitrobenzene-d5

Concen: 29.853 ng

RT: 9.444 min Scan# 1048

Delta R.T. -0.000 min

Lab File: BG056576.D

Acq: 7 Feb 2023 20:47

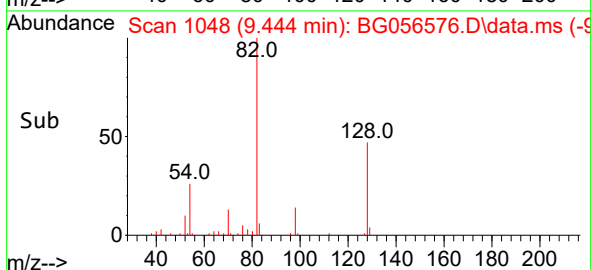
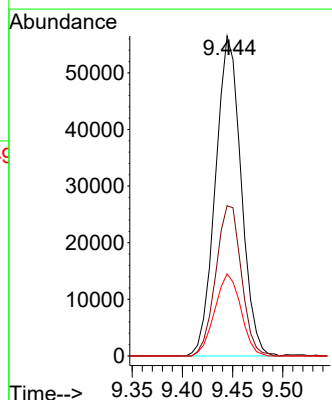
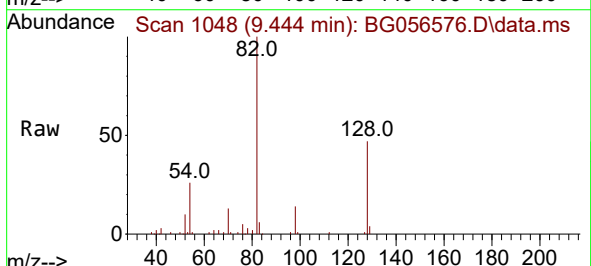
Tgt Ion: 82 Resp: 100424

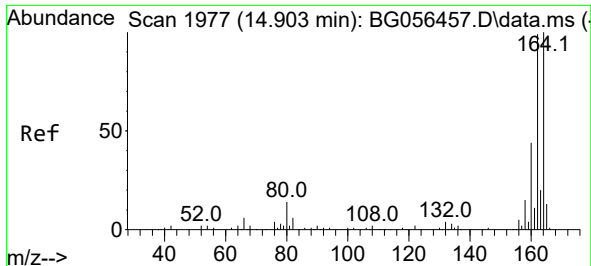
Ion Ratio Lower Upper

82 100

128 46.9 39.4 59.2

54 25.7 21.4 32.2

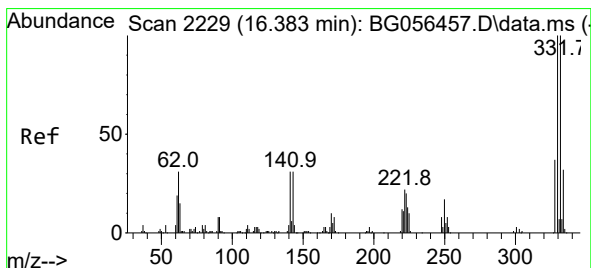
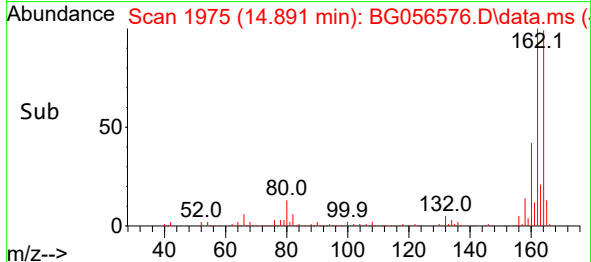
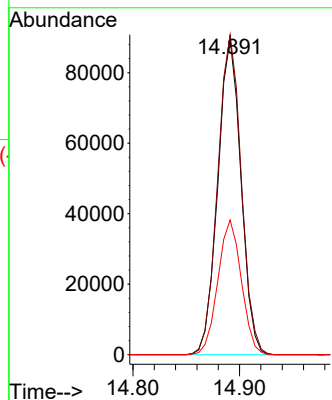
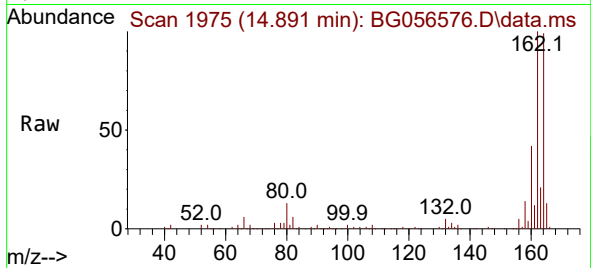




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.891 min Scan# 1975
Delta R.T. -0.000 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

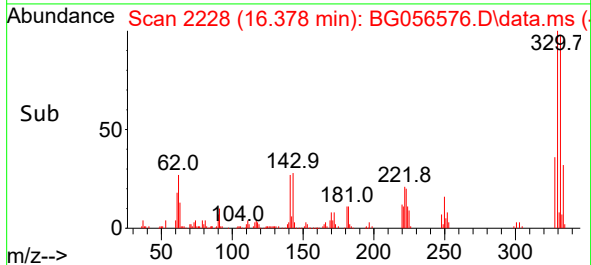
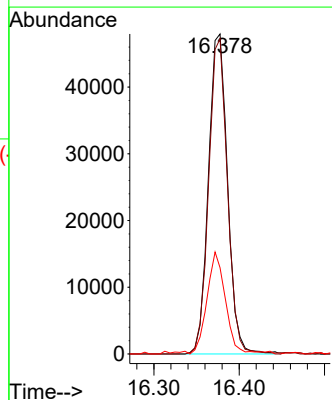
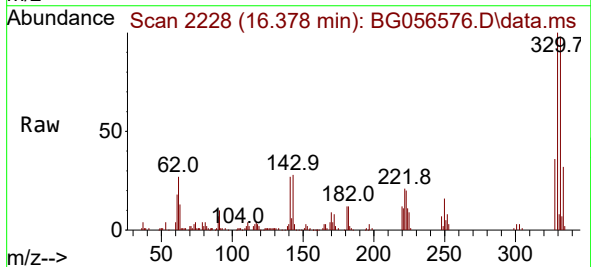
Instrument :
BNA_G
ClientSampleId :
JPP-29-020323

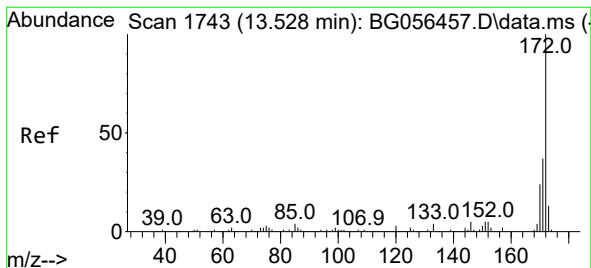
Tgt Ion:164 Resp: 134670
Ion Ratio Lower Upper
164 100
162 101.4 79.6 119.4
160 42.7 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 41.617 ng
RT: 16.378 min Scan# 2228
Delta R.T. -0.000 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

Tgt Ion:330 Resp: 74510
Ion Ratio Lower Upper
330 100
332 96.4 79.0 118.6
141 30.6 24.2 36.4





#45

2-Fluorobiphenyl

Concen: 32.777 ng

RT: 13.510 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG056576.D

Acq: 7 Feb 2023 20:47

Instrument :

BNA_G

ClientSampleId :

JPP-29-020323

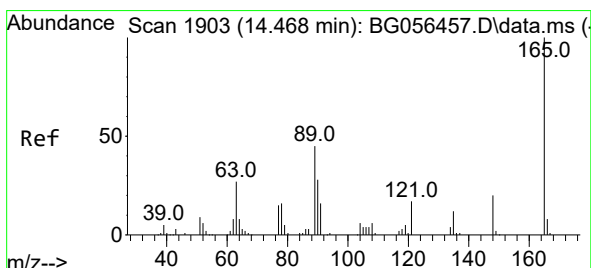
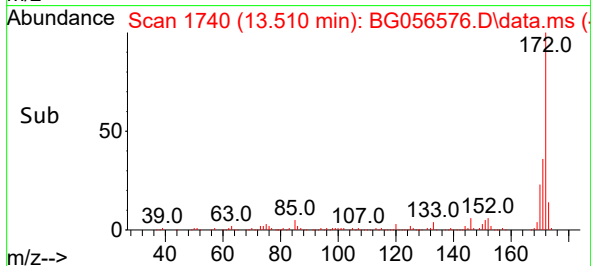
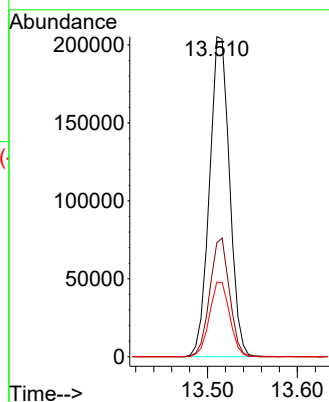
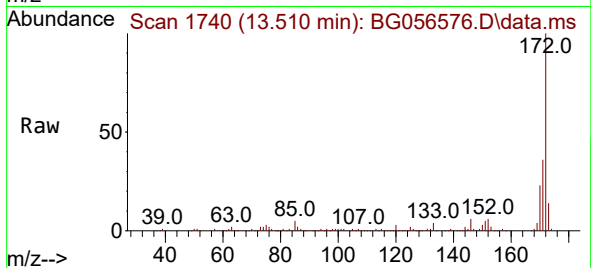
Tgt Ion:172 Resp: 318381

Ion Ratio Lower Upper

172 100

171 35.6 29.5 44.3

170 23.3 19.2 28.8



#51

2,6-Dinitrotoluene

Concen: 7.798 ng

RT: 14.891 min Scan# 1975

Delta R.T. 0.429 min

Lab File: BG056576.D

Acq: 7 Feb 2023 20:47

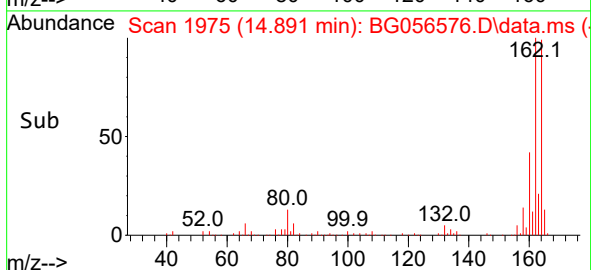
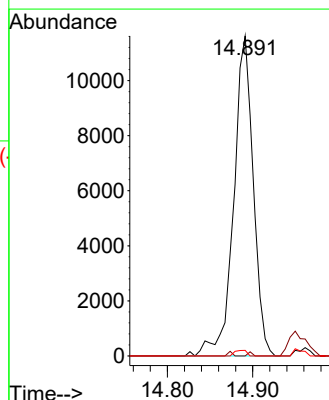
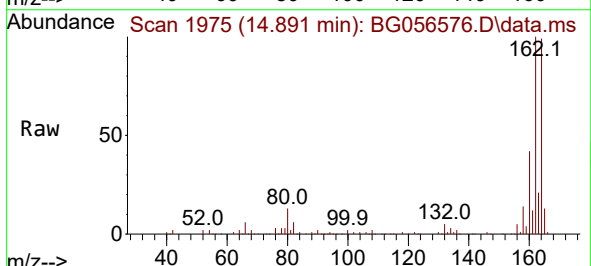
Tgt Ion:165 Resp: 18528

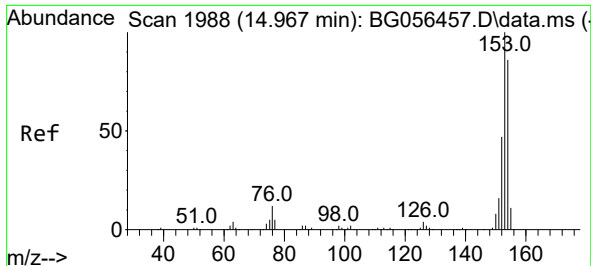
Ion Ratio Lower Upper

165 100

63 0.0 26.9 40.3#

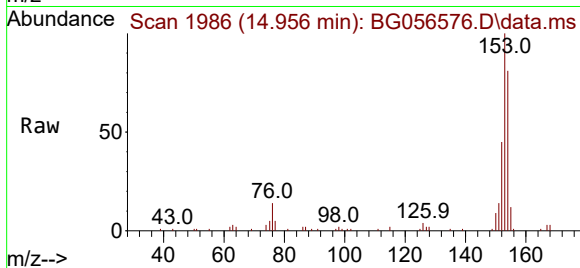
89 1.7 35.6 53.4#



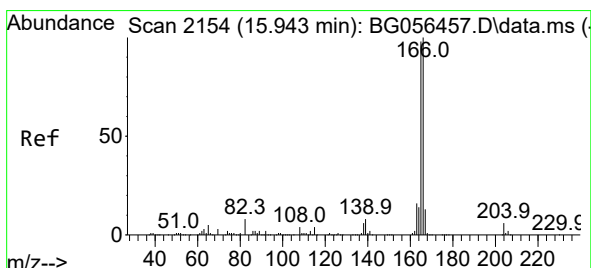
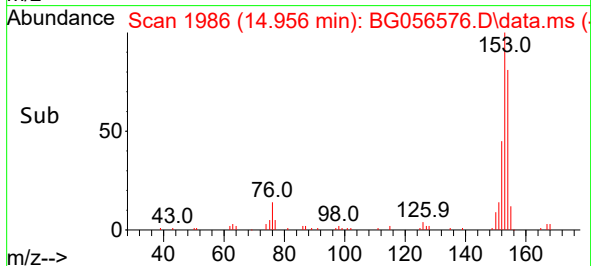
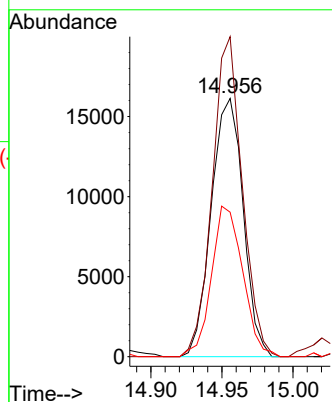


#52
Acenaphthene
Concen: 3.423 ng
RT: 14.956 min Scan# 1986
Delta R.T. -0.000 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

Instrument :
BNA_G
ClientSampleId :
JPP-29-020323

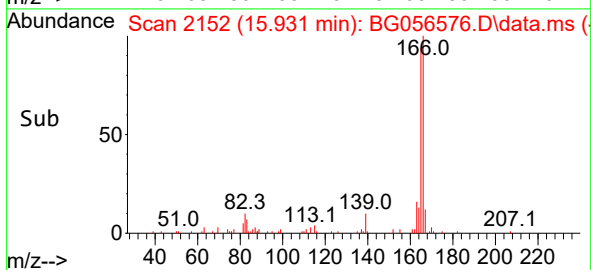
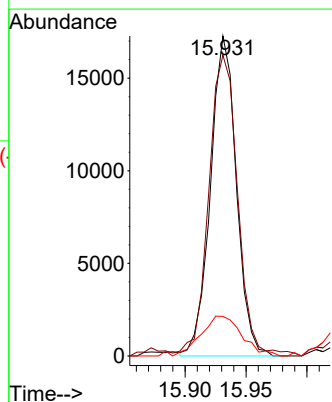
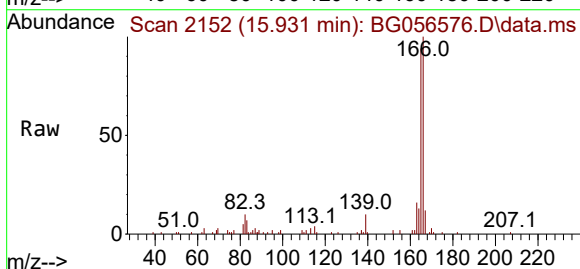


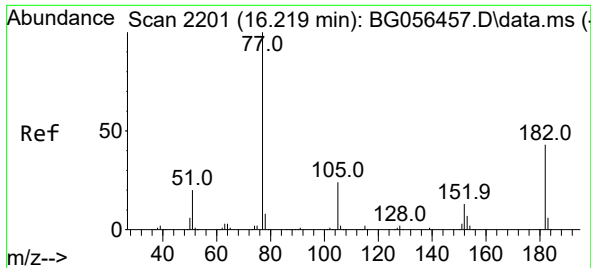
Tgt Ion:154 Resp: 25215
Ion Ratio Lower Upper
154 100
153 123.9 93.4 140.0
152 56.0 43.4 65.2



#58
Fluorene
Concen: 2.430 ng
RT: 15.931 min Scan# 2152
Delta R.T. -0.000 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

Tgt Ion:166 Resp: 25539
Ion Ratio Lower Upper
166 100
165 94.0 78.8 118.2
167 12.4 10.6 15.8

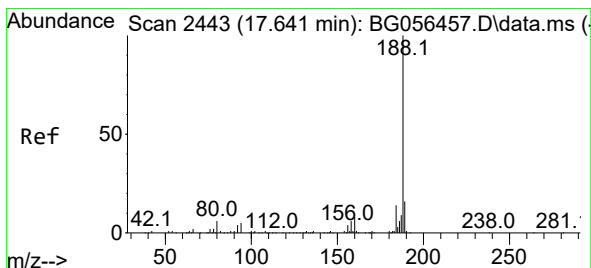
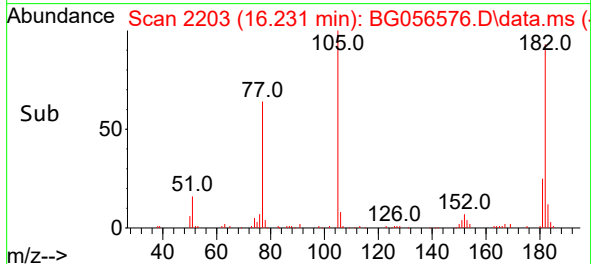
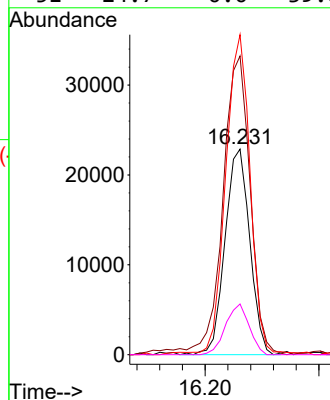
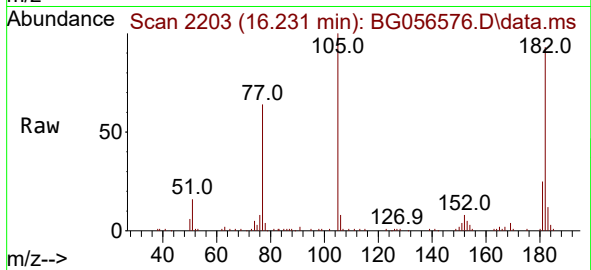




#63
Azobenzene
Concen: 4.913 ng
RT: 16.231 min Scan# 21
Delta R.T. 0.023 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

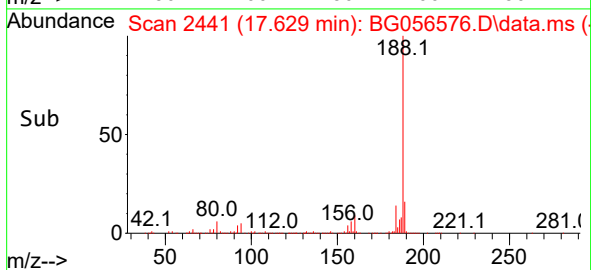
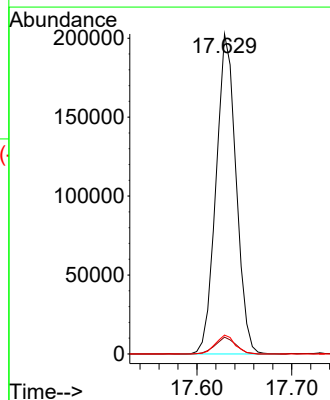
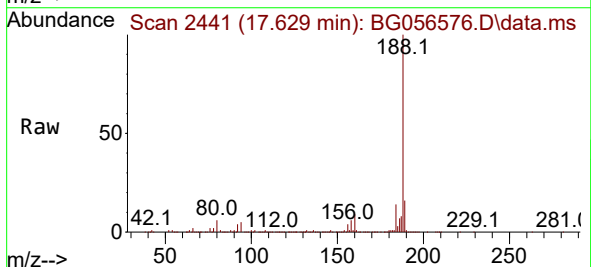
Instrument :
BNA_G
ClientSampleId :
JPP-29-020323

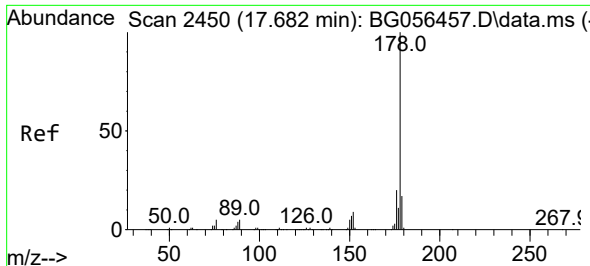
Tgt Ion: 77 Resp: 34583
Ion Ratio Lower Upper
77 100
182 145.3 23.1 63.1#
105 155.6 4.2 44.2#
51 24.7 0.0 39.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.629 min Scan# 2441
Delta R.T. -0.000 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

Tgt Ion:188 Resp: 297724
Ion Ratio Lower Upper
188 100
94 5.2 4.1 6.1
80 5.9 5.0 7.4

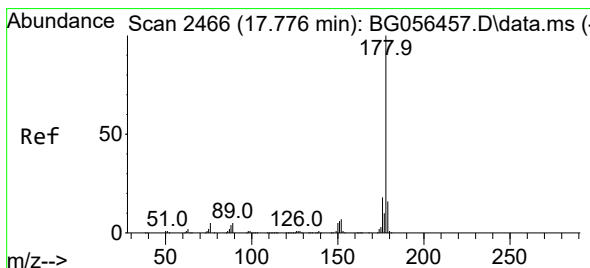
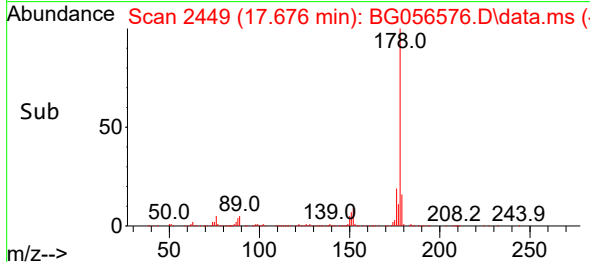
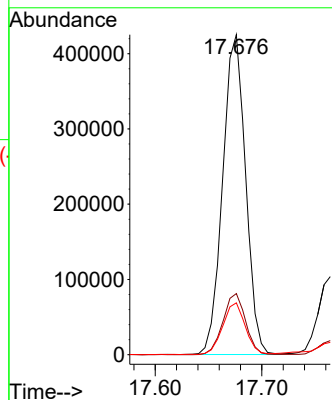
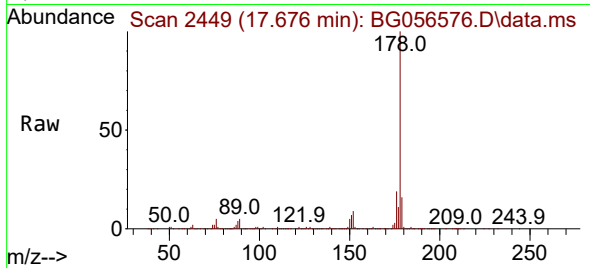




#71
Phenanthrene
Concen: 40.660 ng
RT: 17.676 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

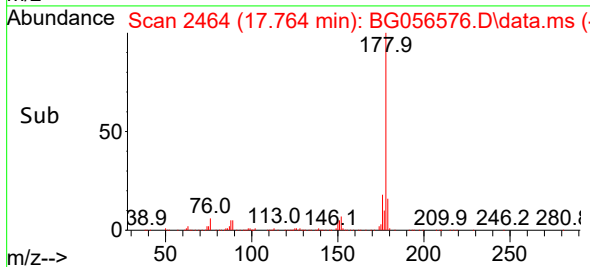
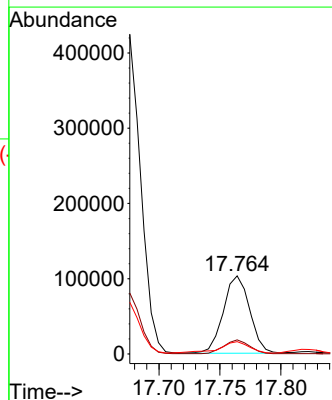
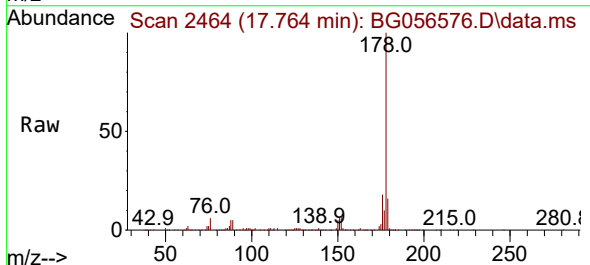
Instrument :
BNA_G
ClientSampleId :
JPP-29-020323

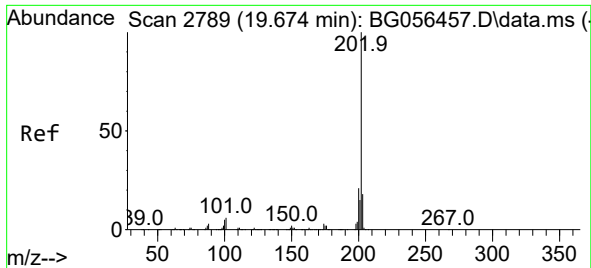
Tgt Ion:178 Resp: 633585
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 16.2 13.3 19.9



#72
Anthracene
Concen: 9.640 ng
RT: 17.764 min Scan# 2464
Delta R.T. -0.000 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

Tgt Ion:178 Resp: 154193
Ion Ratio Lower Upper
178 100
176 18.1 14.5 21.7
179 15.7 12.5 18.7

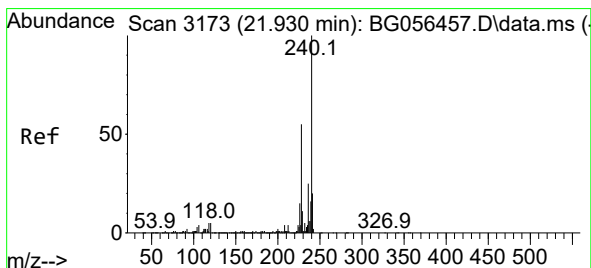
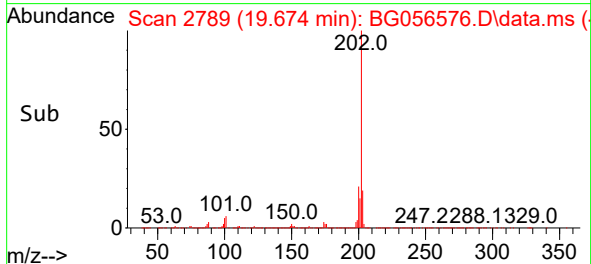
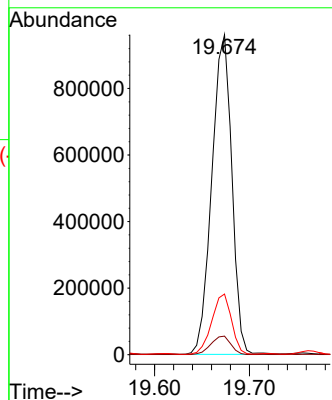
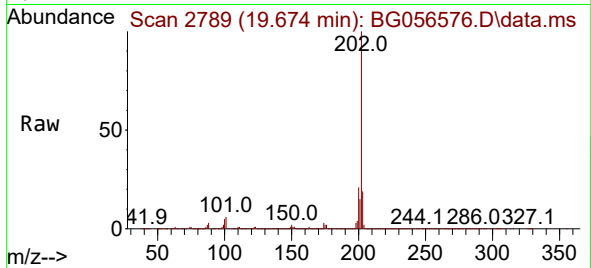




#75
Fluoranthene
Concen: 71.614 ng
RT: 19.674 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

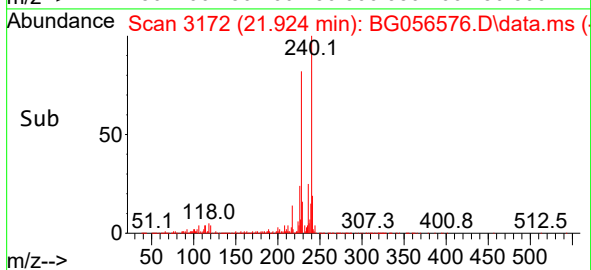
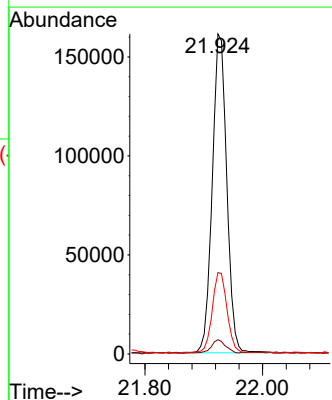
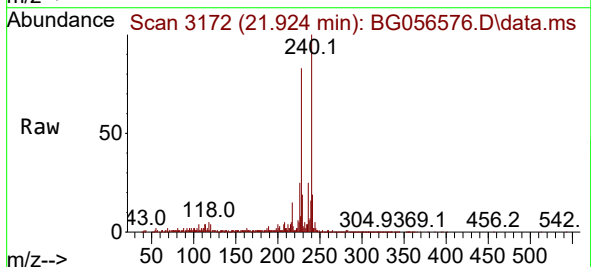
Instrument :
BNA_G
ClientSampleId :
JPP-29-020323

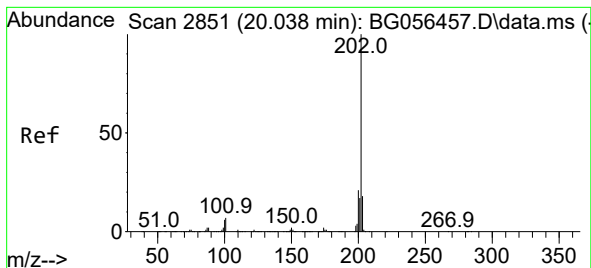
Tgt Ion:202 Resp: 1408406
Ion Ratio Lower Upper
202 100
101 5.8 0.0 25.6
203 18.9 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.924 min Scan# 3172
Delta R.T. -0.000 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

Tgt Ion:240 Resp: 275218
Ion Ratio Lower Upper
240 100
120 4.5 3.8 5.8
236 25.5 20.2 30.2





#78

Pyrene

Concen: 77.389 ng

RT: 20.032 min Scan# 21

Delta R.T. 0.006 min

Lab File: BG056576.D

Acq: 7 Feb 2023 20:47

Instrument :

BNA_G

ClientSampleId :

JPP-29-020323

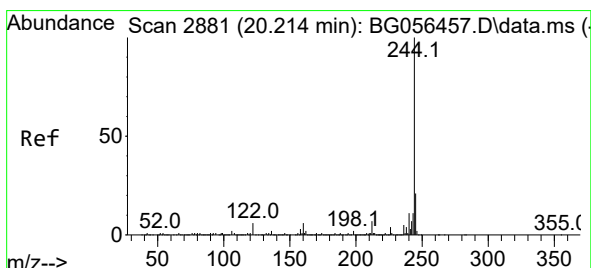
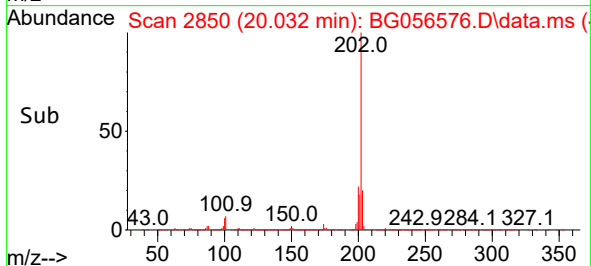
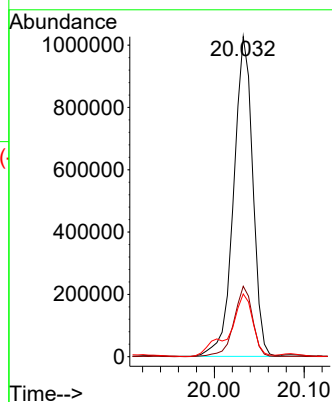
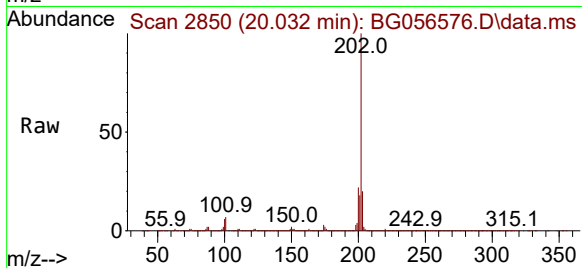
Tgt Ion:202 Resp: 1514816

Ion Ratio Lower Upper

202 100

200 22.0 16.7 25.1

203 19.6 14.4 21.6



#79

Terphenyl-d14

Concen: 32.174 ng

RT: 20.208 min Scan# 2880

Delta R.T. -0.000 min

Lab File: BG056576.D

Acq: 7 Feb 2023 20:47

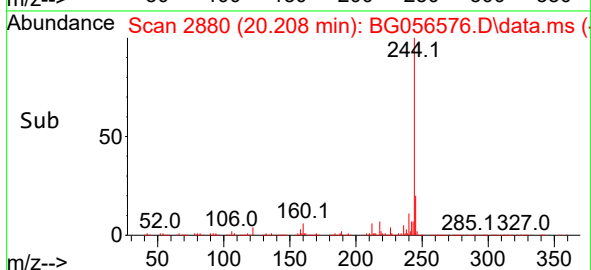
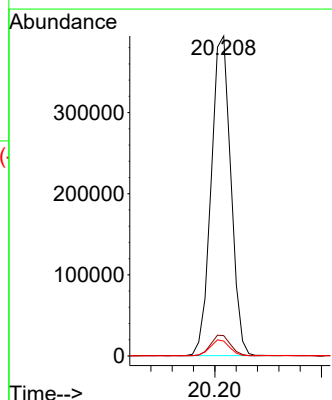
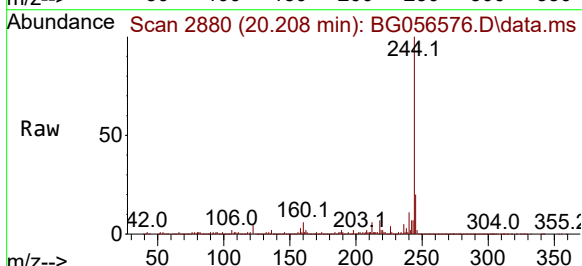
Tgt Ion:244 Resp: 504153

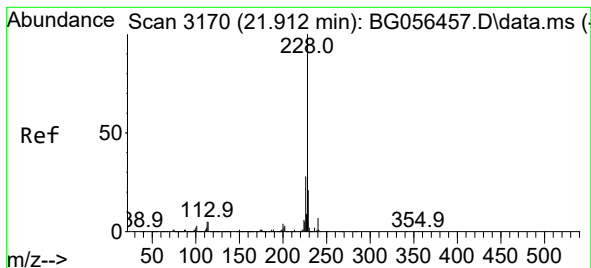
Ion Ratio Lower Upper

244 100

212 6.4 5.5 8.3

122 4.7 4.4 6.6





#81

Benzo(a)anthracene

Concen: 41.997 ng

RT: 21.906 min Scan# 3169

Delta R.T. 0.006 min

Lab File: BG056576.D

Acq: 7 Feb 2023 20:47

Instrument :

BNA_G

ClientSampleId :

JPP-29-020323

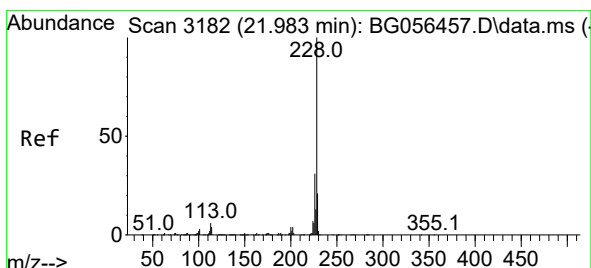
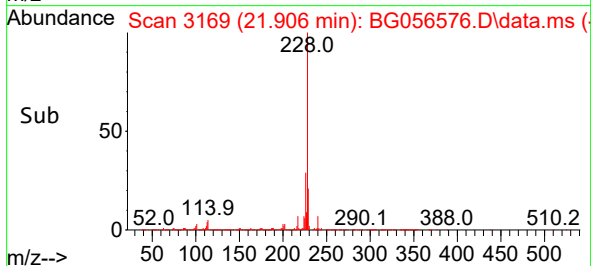
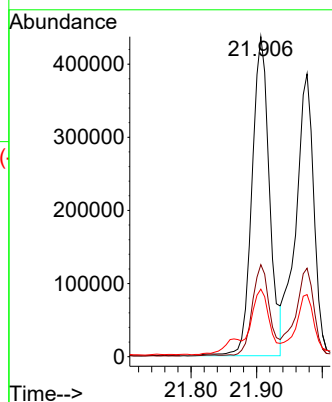
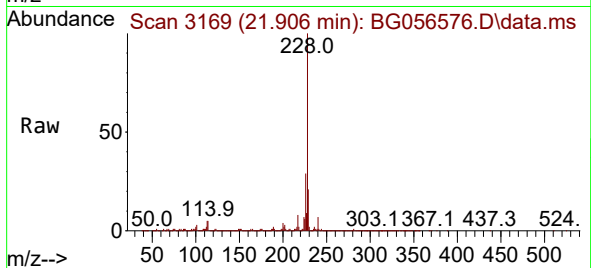
Tgt Ion:228 Resp: 808062

Ion Ratio Lower Upper

228 100

226 28.8 22.4 33.6

229 21.1 16.5 24.7



#83

Chrysene

Concen: 40.419 ng

RT: 21.977 min Scan# 3181

Delta R.T. 0.006 min

Lab File: BG056576.D

Acq: 7 Feb 2023 20:47

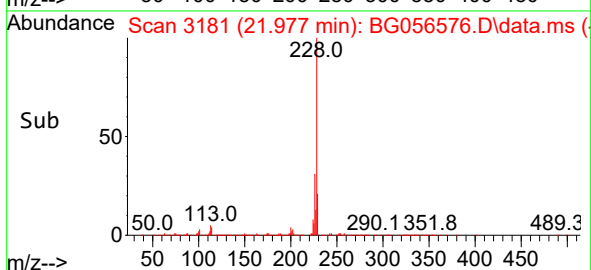
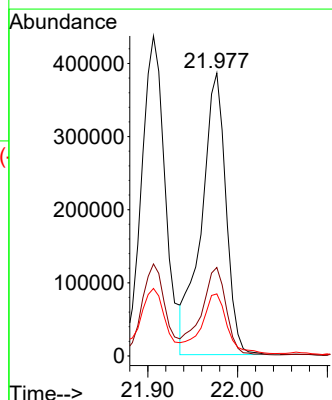
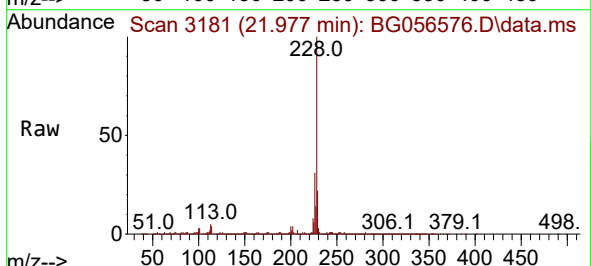
Tgt Ion:228 Resp: 730629

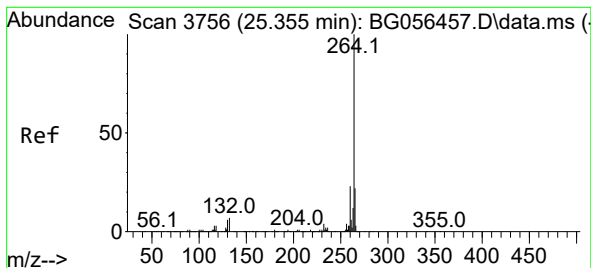
Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.4

229 22.0 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.361 min Scan# 31

Delta R.T. 0.023 min

Lab File: BG056576.D

Acq: 7 Feb 2023 20:47

Instrument :

BNA_G

ClientSampleId :

JPP-29-020323

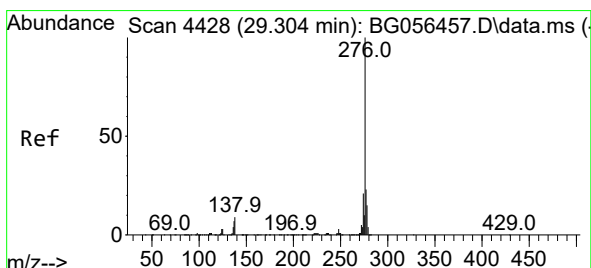
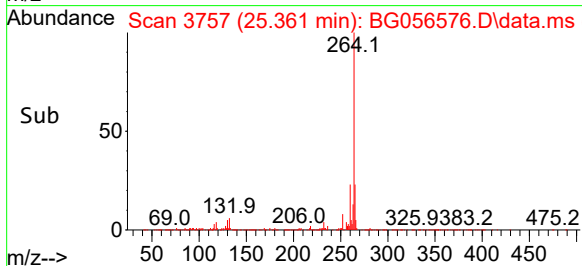
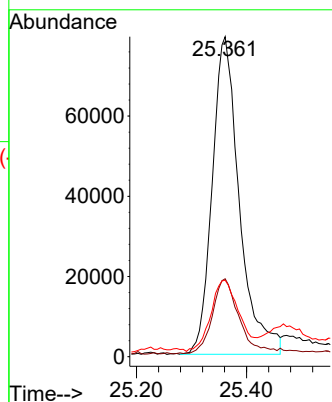
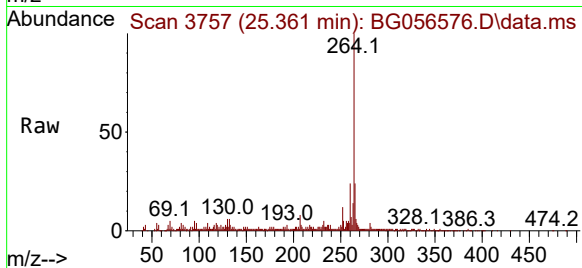
Tgt Ion:264 Resp: 271749

Ion Ratio Lower Upper

264 100

260 24.4 18.2 27.4

265 23.9 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 16.948 ng

RT: 29.315 min Scan# 4430

Delta R.T. 0.029 min

Lab File: BG056576.D

Acq: 7 Feb 2023 20:47

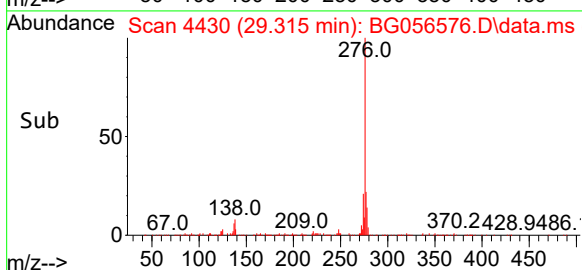
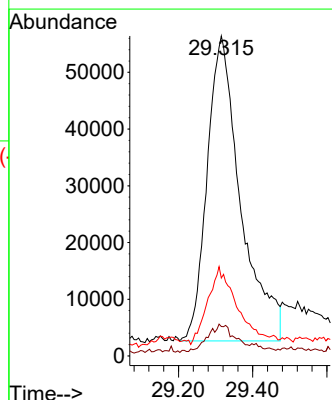
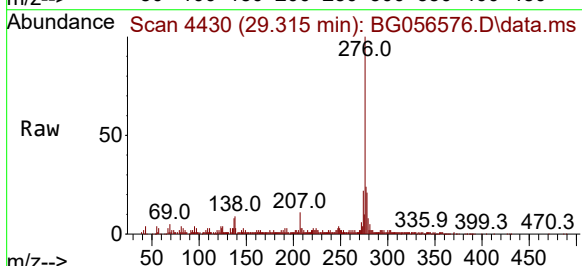
Tgt Ion:276 Resp: 337139

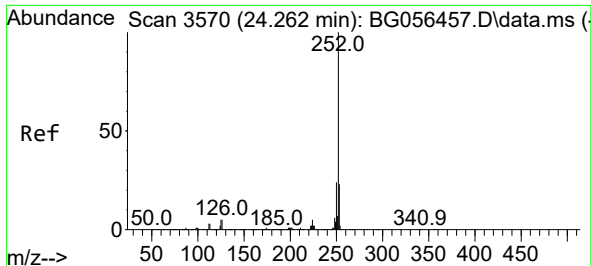
Ion Ratio Lower Upper

276 100

138 7.1 9.4 14.2#

277 22.3 20.3 30.5

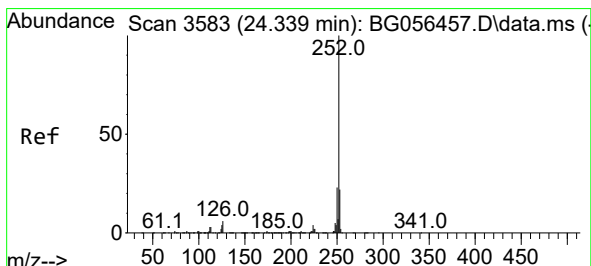
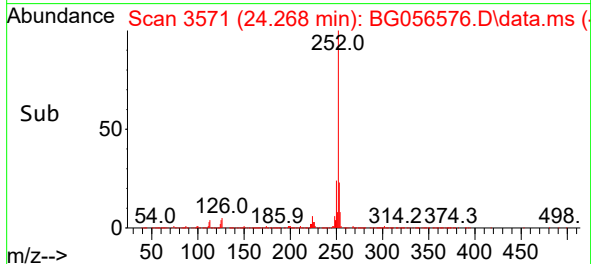
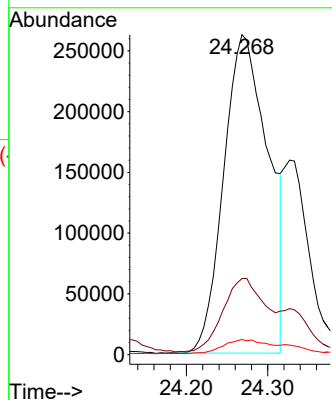
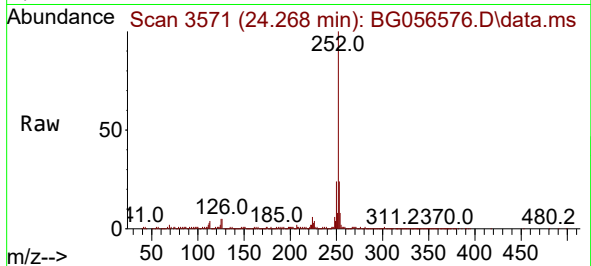




#88
Benzo(b)fluoranthene
Concen: 58.957 ng
RT: 24.268 min Scan# 3570
Delta R.T. 0.018 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

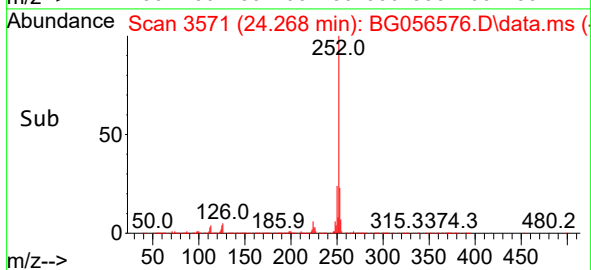
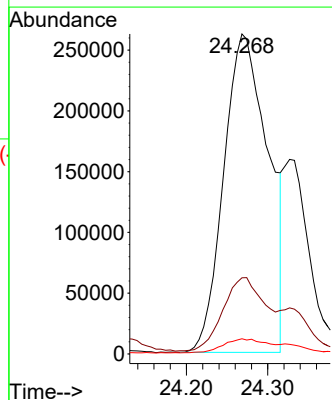
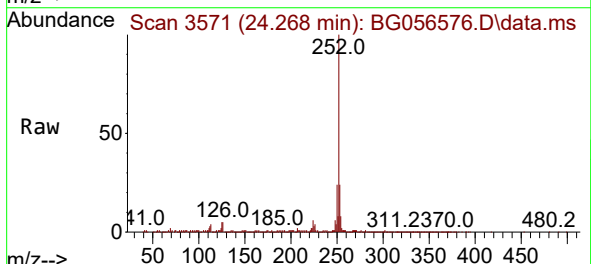
Instrument :
BNA_G
ClientSampleId :
JPP-29-020323

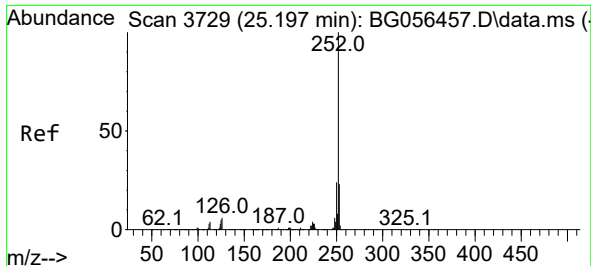
Tgt Ion:252 Resp: 994440
Ion Ratio Lower Upper
252 100
253 23.8 18.1 27.1
125 4.7 3.9 5.9



#89
Benzo(k)fluoranthene
Concen: 58.394 ng
RT: 24.268 min Scan# 3571
Delta R.T. -0.053 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

Tgt Ion:252 Resp: 994440
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 4.7 3.4 5.0

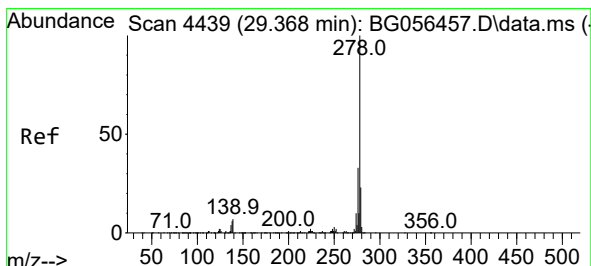
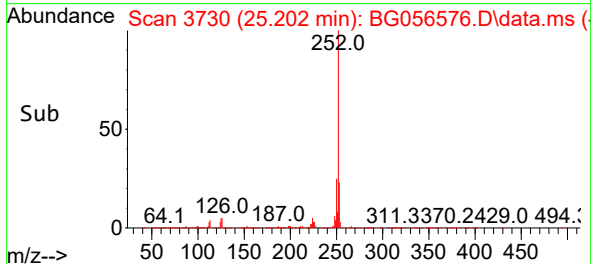
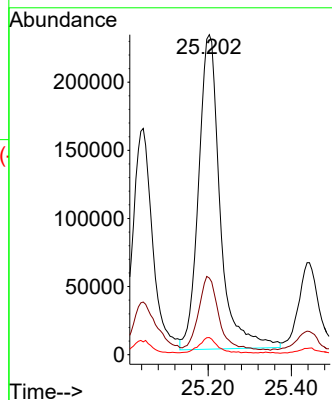
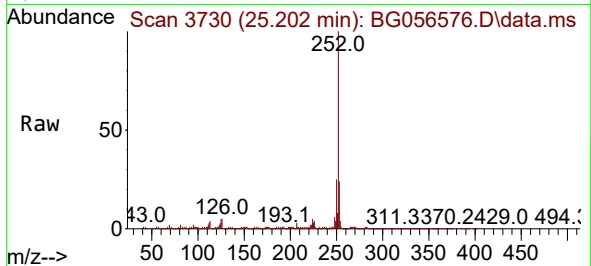




#90
Benzo(a)pyrene
Concen: 49.933 ng
RT: 25.202 min Scan# 31
Delta R.T. 0.023 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

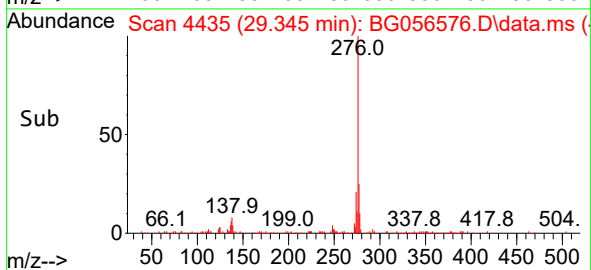
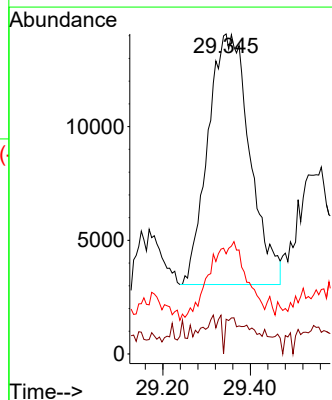
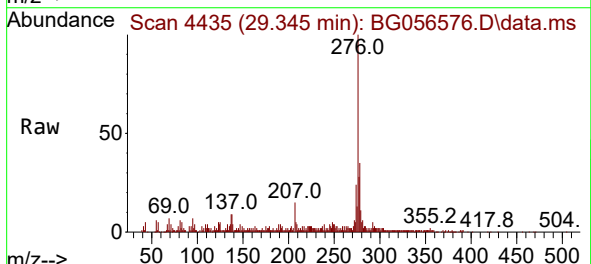
Instrument :
BNA_G
ClientSampleId :
JPP-29-020323

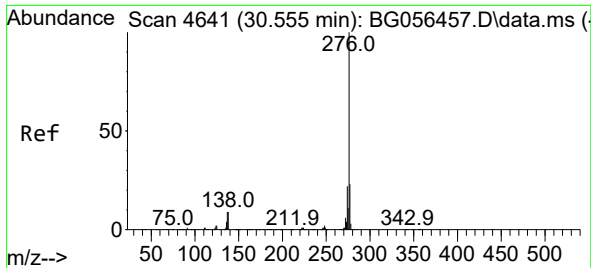
Tgt Ion:252 Resp: 829641
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 5.4 4.1 6.1



#91
Dibenzo(a,h)anthracene
Concen: 4.378 ng
RT: 29.345 min Scan# 4435
Delta R.T. -0.000 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

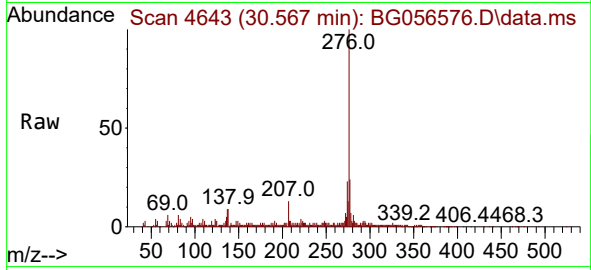
Tgt Ion:278 Resp: 73100
Ion Ratio Lower Upper
278 100
139 10.9 5.5 8.3#
279 31.3 18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 18.925 ng
 RT: 30.567 min Scan# 4
 Delta R.T. 0.041 min
 Lab File: BG056576.D
 Acq: 7 Feb 2023 20:47

Instrument :
 BNA_G
 ClientSampleId :
 JPP-29-020323



Tgt Ion:276 Resp: 304901
 Ion Ratio Lower Upper
 276 100
 277 23.8 18.5 27.7
 138 9.3 7.4 11.0

