

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
 Data File : BG056524.D
 Acq On : 2 Feb 2023 21:37
 Operator : CG/JU
 Sample : 01386-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-14-013123

Quant Time: Feb 03 05:59:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

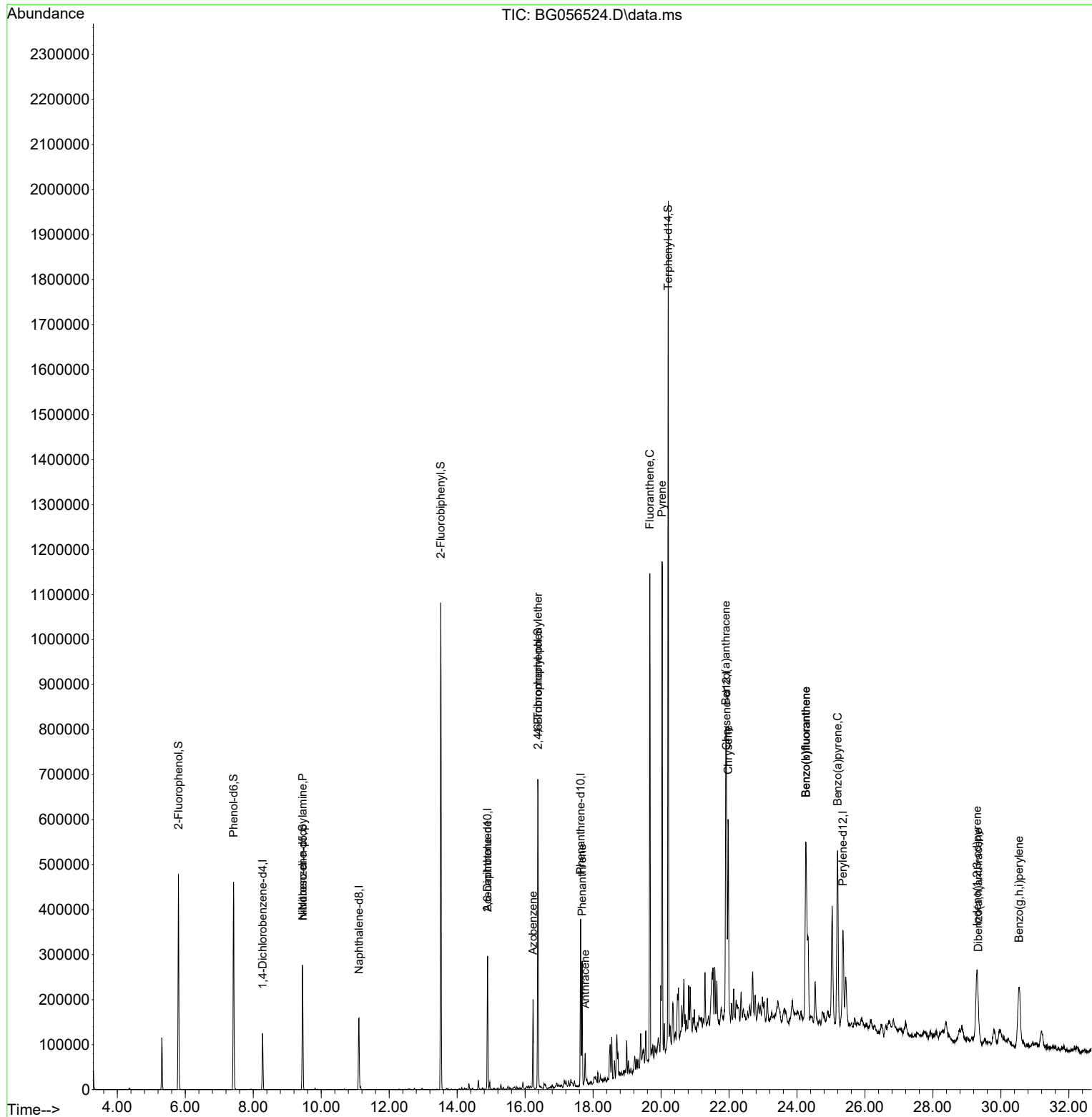
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.279	152	42160	20.000	ng	0.00
21) Naphthalene-d8	11.111	136	155810	20.000	ng	0.00
39) Acenaphthene-d10	14.895	164	111459	20.000	ng	0.00
64) Phenanthrene-d10	17.633	188	252931	20.000	ng	0.00
76) Chrysene-d12	21.928	240	241683	20.000	ng	0.00
86) Perylene-d12	25.353	264	270347	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.799	112	269805	117.725	ng	0.00
7) Phenol-d6	7.421	99	367012	108.080	ng	0.00
23) Nitrobenzene-d5	9.454	82	194882	71.025	ng	0.00
42) 2,4,6-Tribromophenol	16.381	330	148225	100.032	ng	0.00
45) 2-Fluorobiphenyl	13.520	172	612990	76.249	ng	0.00
79) Terphenyl-d14	20.212	244	982921	71.431	ng	0.00
Target Compounds						
9) Benzaldehyde	7.427	77	588	Below Cal		Qvalue
19) n-Nitroso-di-n-propyla...	9.454	70	23880	12.203	ng	# 75
51) 2,6-Dinitrotoluene	14.895	165	15176	7.717	ng	# 38
63) Azobenzene	16.234	77	48481	8.321	ng	# 1
67) 4-Bromophenyl-phenylether	16.375	248	11979	3.700	ng	# 1
71) Phenanthrene	17.680	178	194734	14.710	ng	99
72) Anthracene	17.768	178	53850	3.963	ng	99
75) Fluoranthene	19.671	202	727124	43.520	ng	100
78) Pyrene	20.030	202	789568	45.934	ng	100
81) Benzo(a)anthracene	21.904	228	437108	25.870	ng	99
83) Chrysene	21.975	228	378441	23.841	ng	98
87) Indeno(1,2,3-cd)pyrene	29.301	276	323662	16.355	ng	98
88) Benzo(b)fluoranthene	24.260	252	582234	34.698	ng	97
89) Benzo(k)fluoranthene	24.260	252	582234	34.367	ng	96
90) Benzo(a)pyrene	25.194	252	488189	29.534	ng	99
91) Dibenzo(a,h)anthracene	29.331	278	81029	4.878	ng	# 95
92) Benzo(g,h,i)perylene	30.535	276	345782	21.573	ng	98

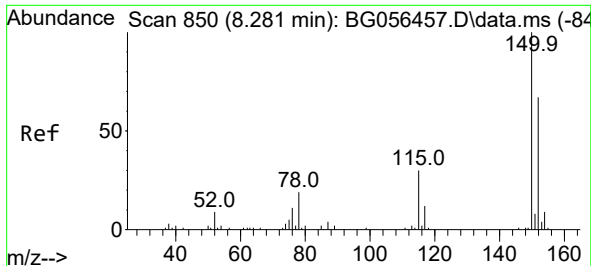
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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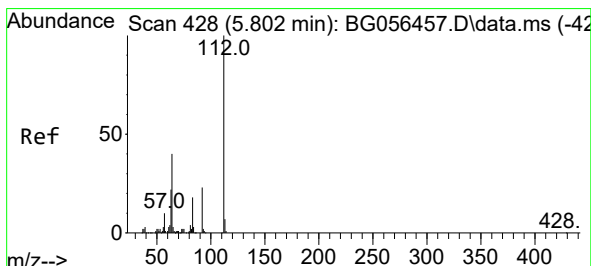
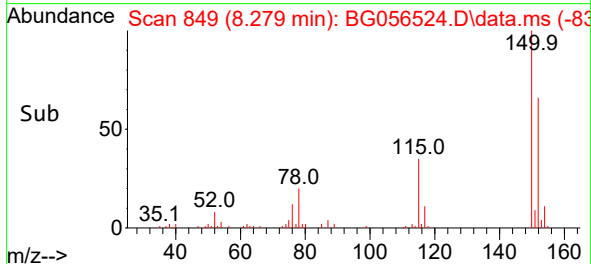
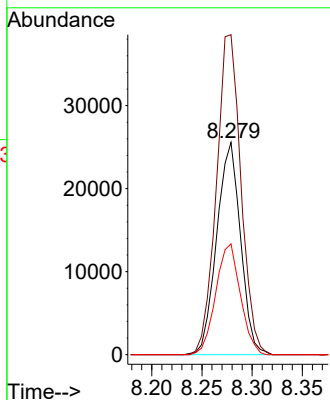
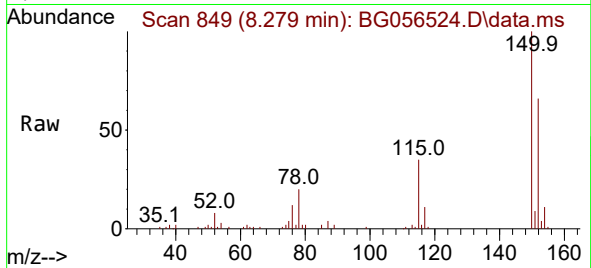




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.279 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37

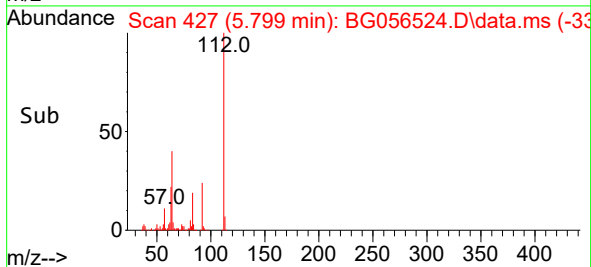
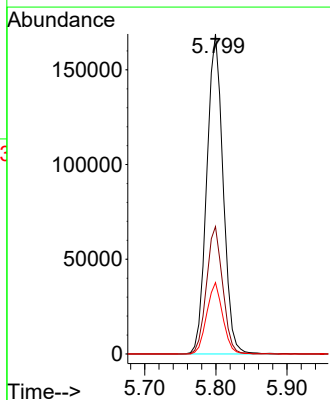
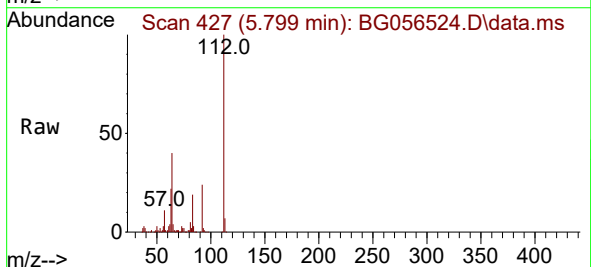
Instrument :
BNA_G
ClientSampleId :
JPP-14-013123

Tgt Ion:152 Resp: 42160
Ion Ratio Lower Upper
152 100
150 150.8 120.2 180.4
115 52.2 36.3 54.5



#5
2-Fluorophenol
Concen: 117.725 ng
RT: 5.799 min Scan# 427
Delta R.T. 0.003 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37

Tgt Ion:112 Resp: 269805
Ion Ratio Lower Upper
112 100
64 39.8 31.9 47.9
63 22.3 17.4 26.0

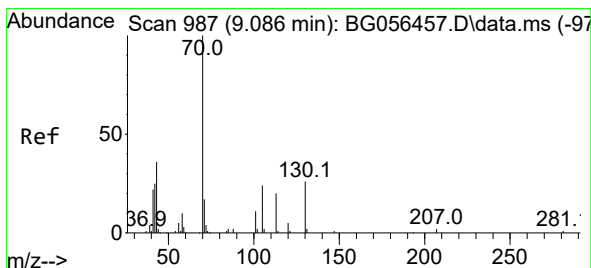
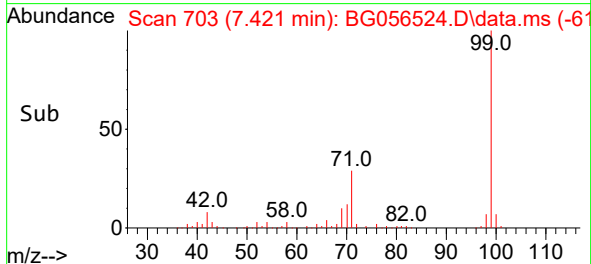
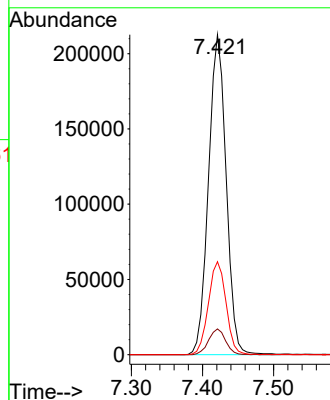
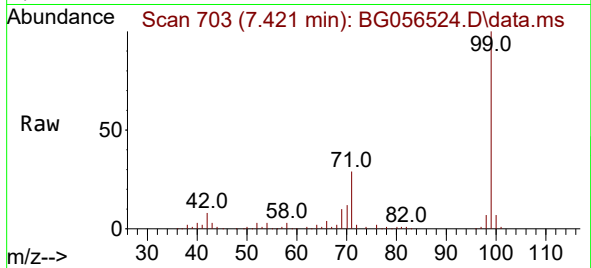




#7
Phenol-d6
Concen: 108.080 ng
RT: 7.421 min Scan# 704
Delta R.T. 0.003 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37

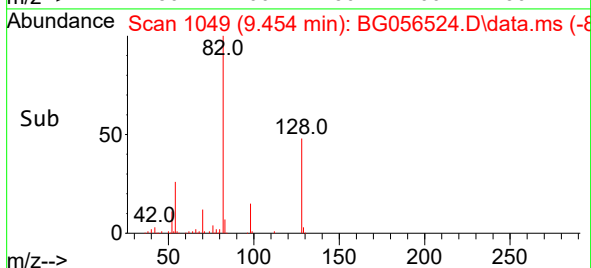
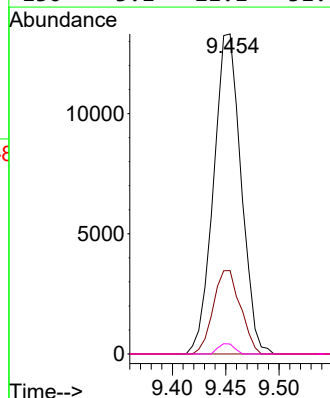
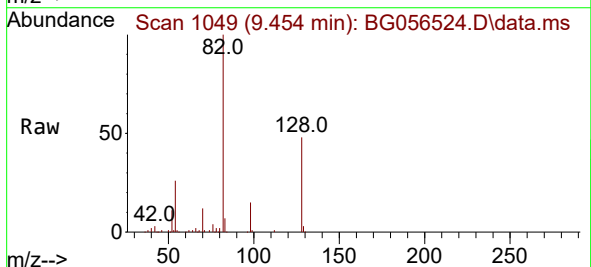
Instrument :
BNA_G
ClientSampleId :
JPP-14-013123

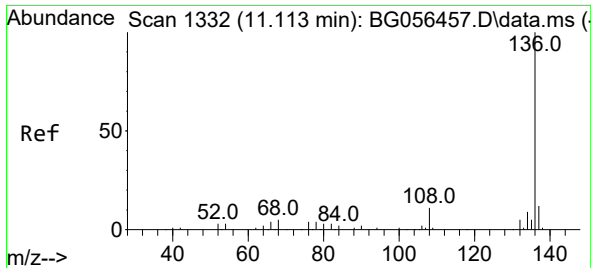
Tgt Ion: 99 Resp: 367012
Ion Ratio Lower Upper
99 100
42 8.1 6.6 10.0
71 29.1 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 12.203 ng
RT: 9.454 min Scan# 1049
Delta R.T. 0.374 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37

Tgt Ion: 70 Resp: 23880
Ion Ratio Lower Upper
70 100
42 26.0 20.2 30.4
101 0.0 9.1 13.7#
130 3.1 21.1 31.7#

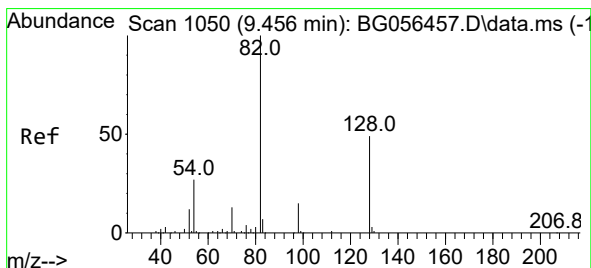
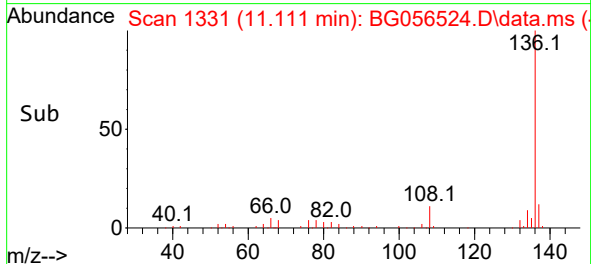
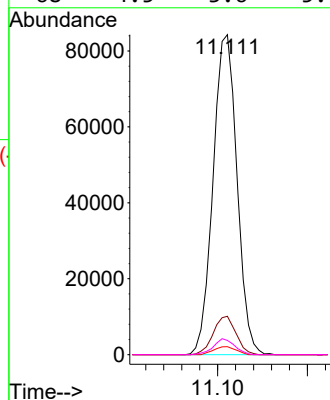
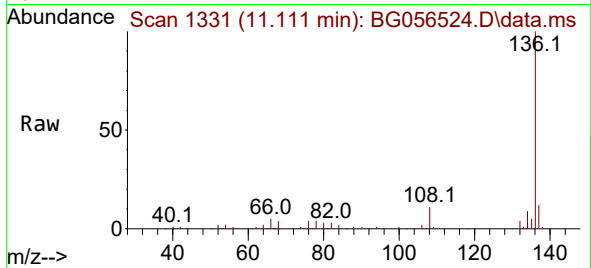




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.111 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37

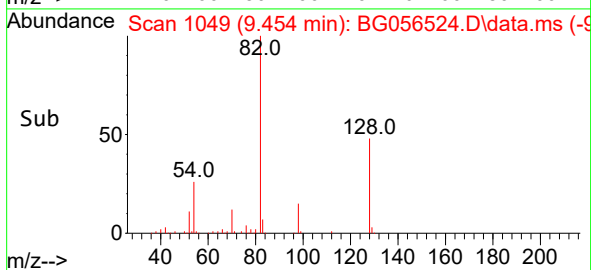
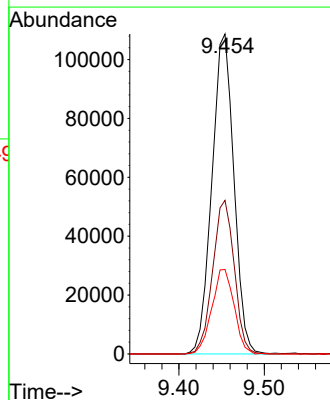
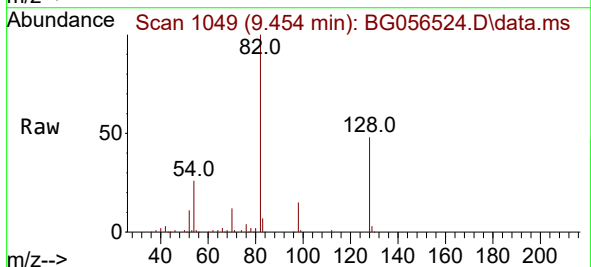
Instrument :
BNA_G
ClientSampleId :
JPP-14-013123

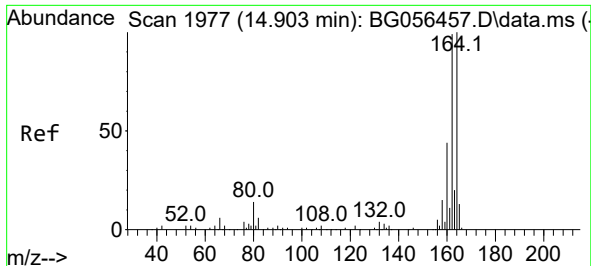
Tgt Ion:136 Resp: 155810
Ion Ratio Lower Upper
136 100
137 12.0 9.4 14.0
54 2.5 2.2 3.4
68 4.5 3.6 5.4



#23
Nitrobenzene-d5
Concen: 71.025 ng
RT: 9.454 min Scan# 1049
Delta R.T. -0.002 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37

Tgt Ion: 82 Resp: 194882
Ion Ratio Lower Upper
82 100
128 48.0 39.4 59.2
54 26.4 21.4 32.2

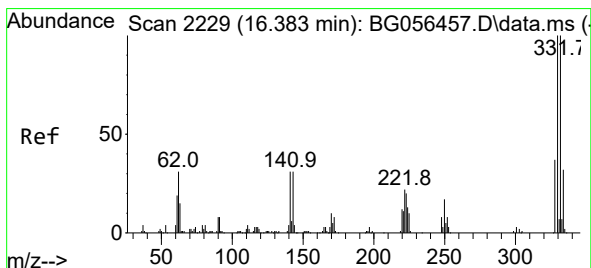
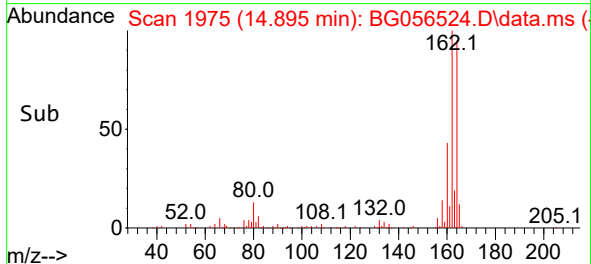
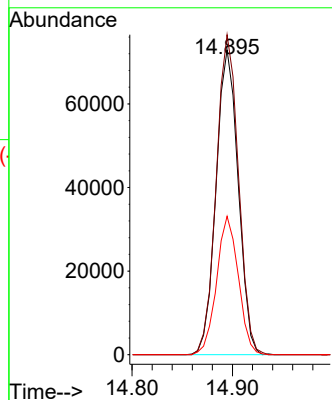
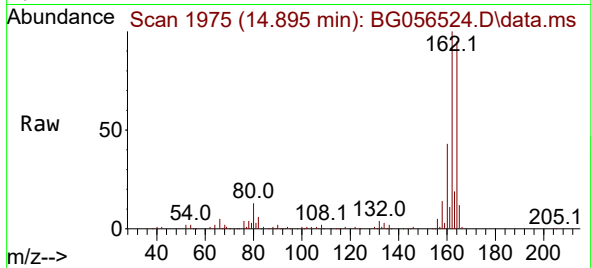




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.895 min Scan# 1975
Delta R.T. -0.002 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37

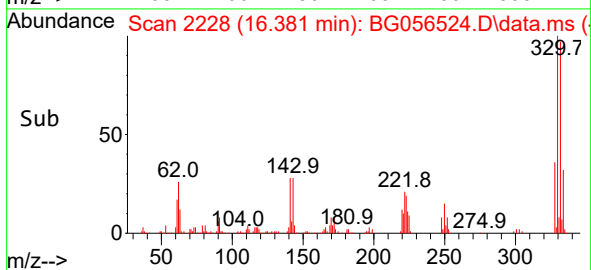
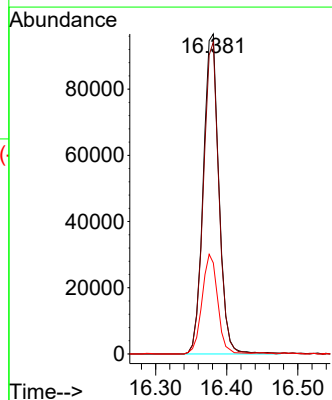
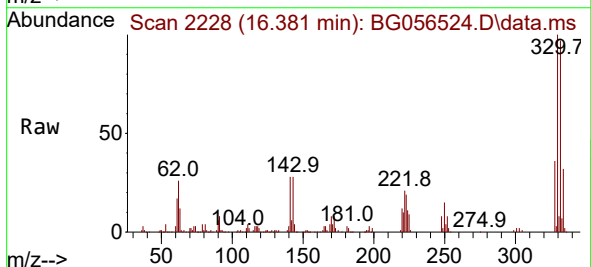
Instrument :
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ClientSampleId :
JPP-14-013123

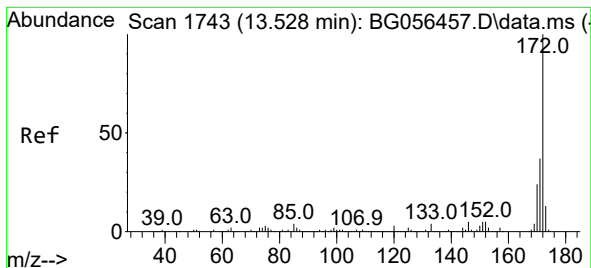
Tgt Ion:164 Resp: 111459
Ion Ratio Lower Upper
164 100
162 105.0 79.6 119.4
160 45.4 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 100.032 ng
RT: 16.381 min Scan# 2228
Delta R.T. 0.003 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37

Tgt Ion:330 Resp: 148225
Ion Ratio Lower Upper
330 100
332 96.4 79.0 118.6
141 31.1 24.2 36.4

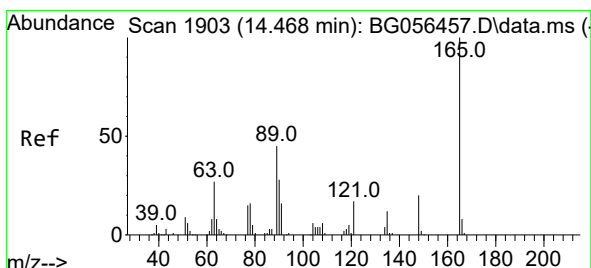
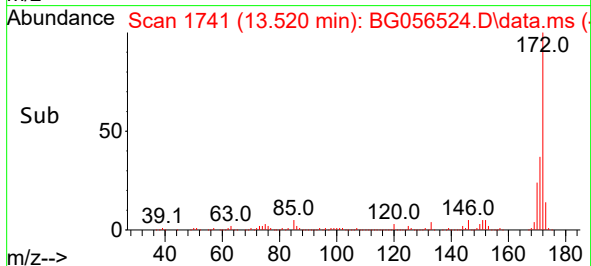
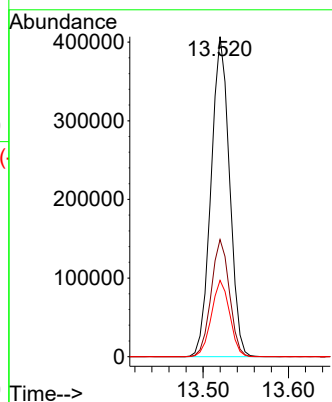
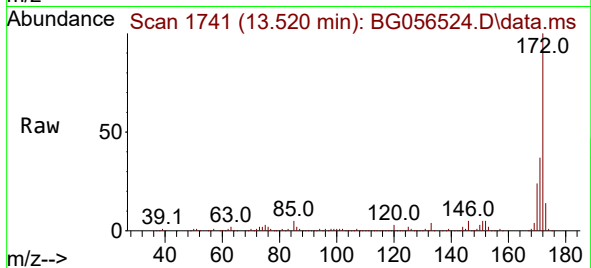




#45
2-Fluorobiphenyl
Concen: 76.249 ng
RT: 13.520 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37

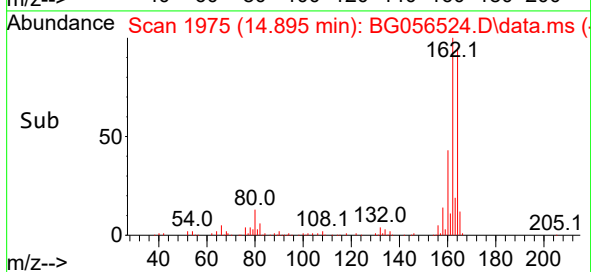
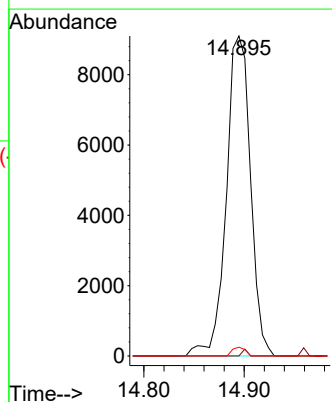
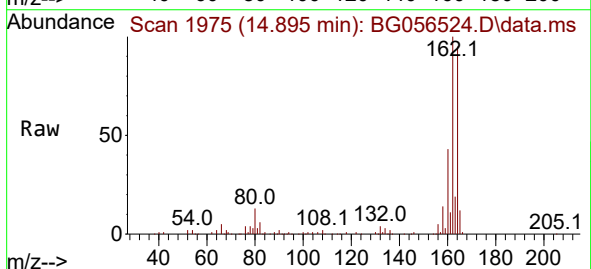
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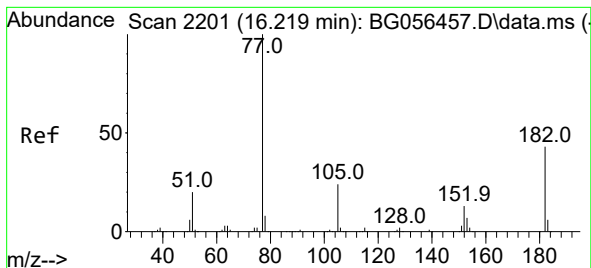
Tgt Ion:172 Resp: 612990
Ion Ratio Lower Upper
172 100
171 36.6 29.5 44.3
170 23.9 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 7.717 ng
RT: 14.895 min Scan# 1975
Delta R.T. 0.426 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37

Tgt Ion:165 Resp: 15176
Ion Ratio Lower Upper
165 100
63 0.0 26.9 40.3#
89 2.7 35.6 53.4#





#63

Azobenzene

Concen: 8.321 ng

RT: 16.234 min Scan# 21

Delta R.T. 0.021 min

Lab File: BG056524.D

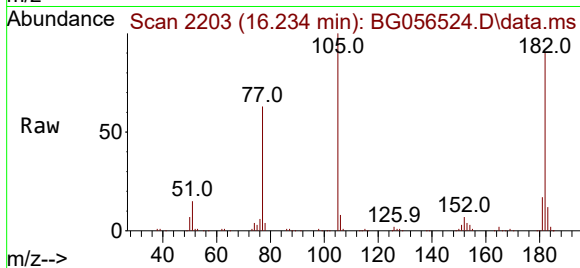
Acq: 2 Feb 2023 21:37

Instrument :

BNA_G

ClientSampleId :

JPP-14-013123



Tgt Ion: 77 Resp: 48481

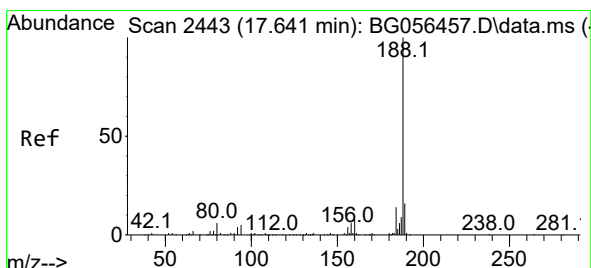
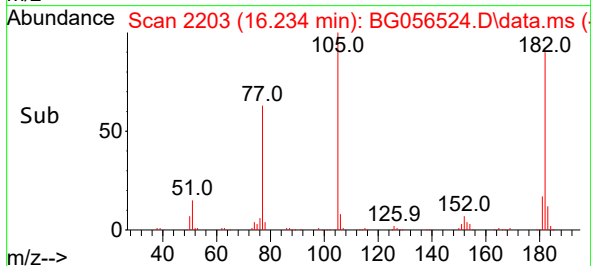
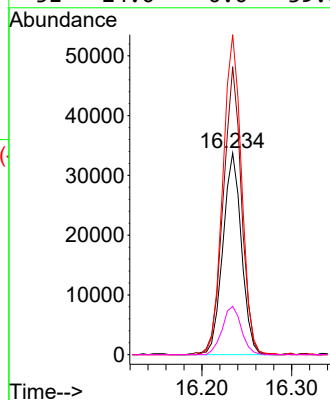
Ion Ratio Lower Upper

77 100

182 142.9 23.1 63.1#

105 158.7 4.2 44.2#

51 24.0 0.0 39.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.633 min Scan# 2441

Delta R.T. -0.002 min

Lab File: BG056524.D

Acq: 2 Feb 2023 21:37

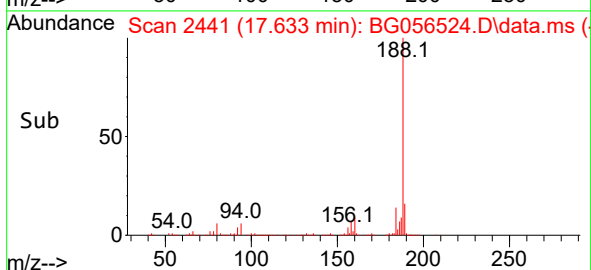
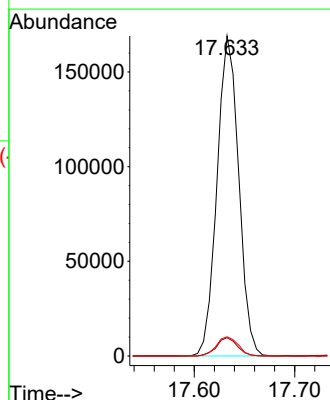
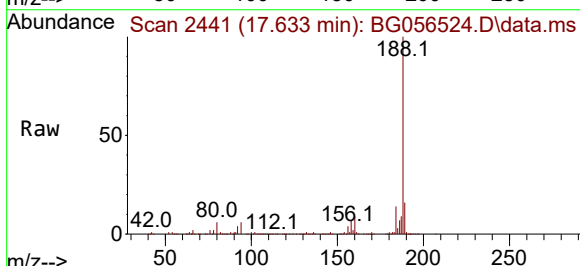
Tgt Ion:188 Resp: 252931

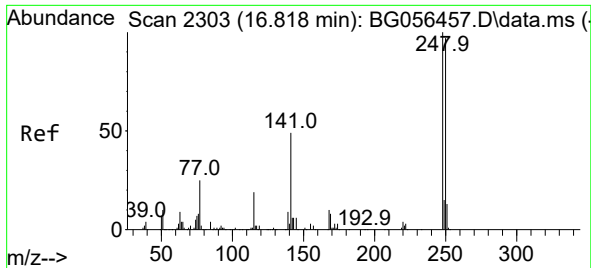
Ion Ratio Lower Upper

188 100

94 5.7 4.1 6.1

80 6.0 5.0 7.4

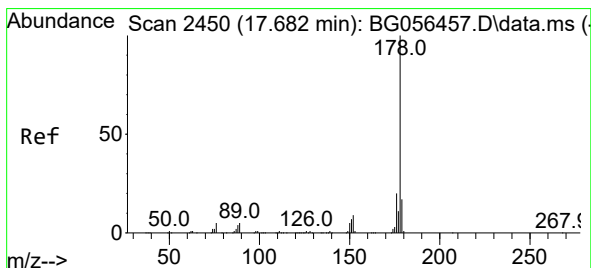
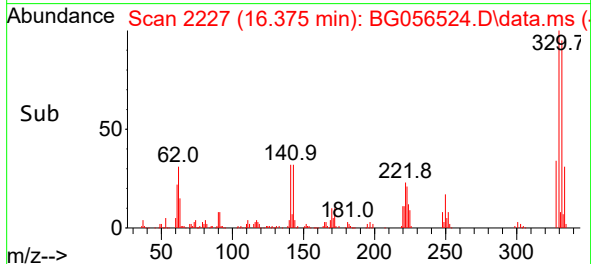
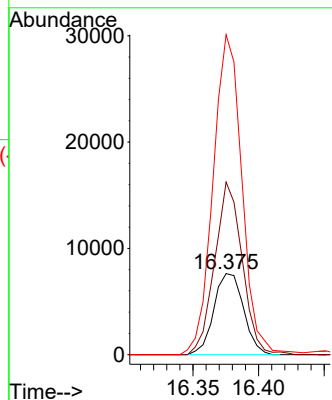
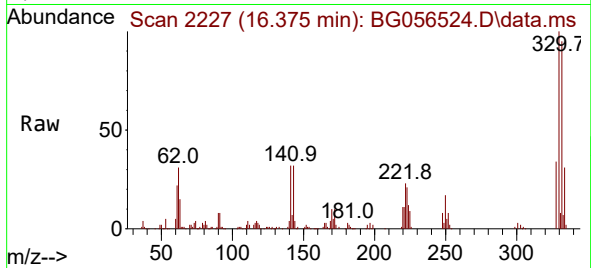




#67
4-Bromophenyl-phenylether
Concen: 3.700 ng
RT: 16.375 min Scan# 21
Delta R.T. -0.437 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37

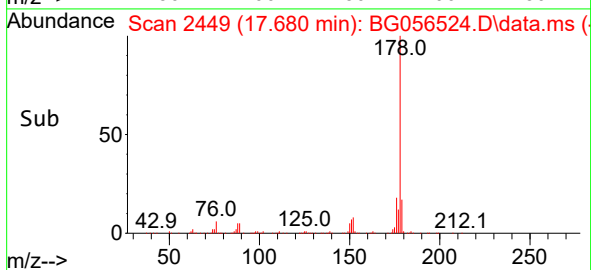
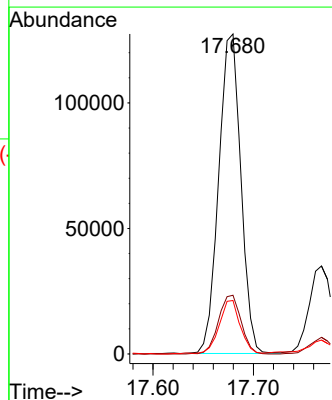
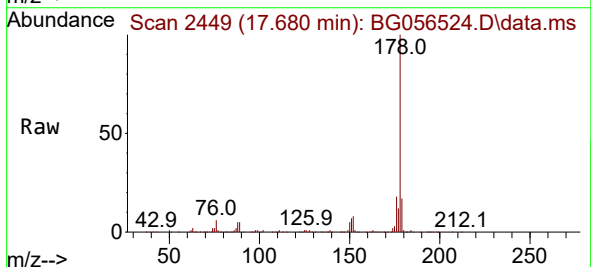
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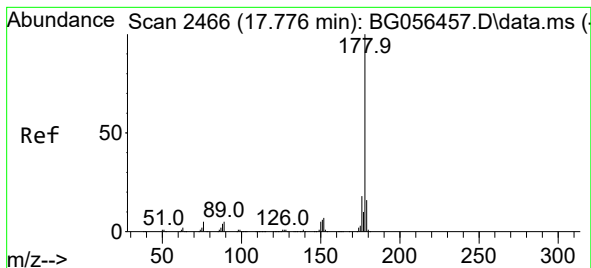
Tgt Ion:248 Resp: 11979
Ion Ratio Lower Upper
248 100
250 213.0 77.6 116.4#
141 394.7 39.0 58.4#



#71
Phenanthrene
Concen: 14.710 ng
RT: 17.680 min Scan# 2449
Delta R.T. 0.003 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37

Tgt Ion:178 Resp: 194734
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 16.7 13.3 19.9





#72

Anthracene

Concen: 3.963 ng

RT: 17.768 min Scan# 2466

Delta R.T. -0.002 min

Lab File: BG056524.D

Acq: 2 Feb 2023 21:37

Instrument :

BNA_G

ClientSampleId :

JPP-14-013123

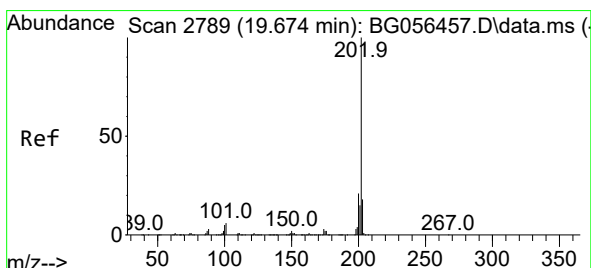
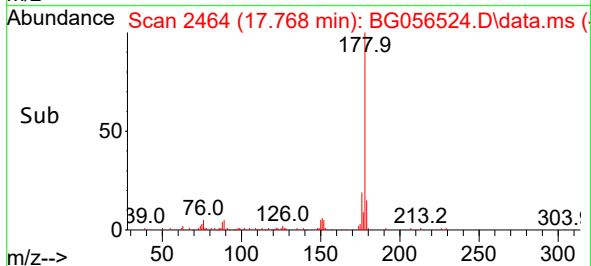
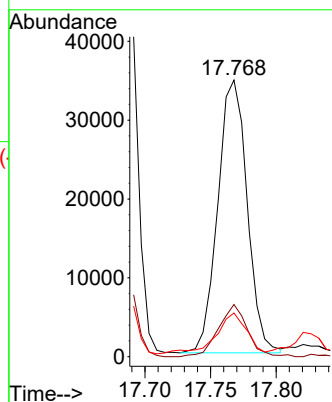
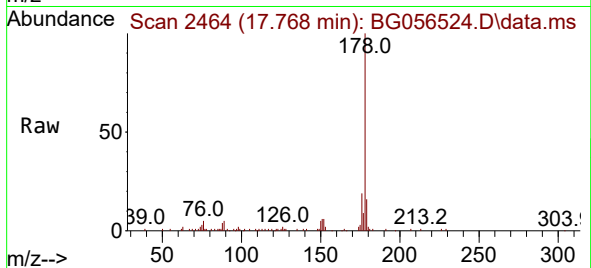
Tgt Ion:178 Resp: 53850

Ion Ratio Lower Upper

178 100

176 18.8 14.5 21.7

179 15.8 12.5 18.7



#75

Fluoranthene

Concen: 43.520 ng

RT: 19.671 min Scan# 2788

Delta R.T. 0.003 min

Lab File: BG056524.D

Acq: 2 Feb 2023 21:37

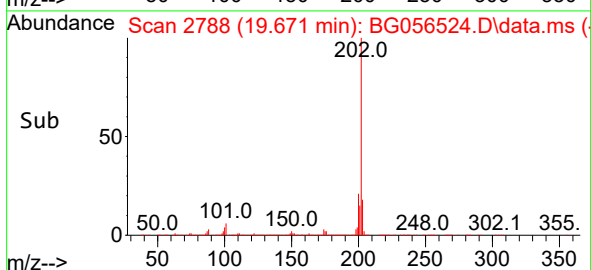
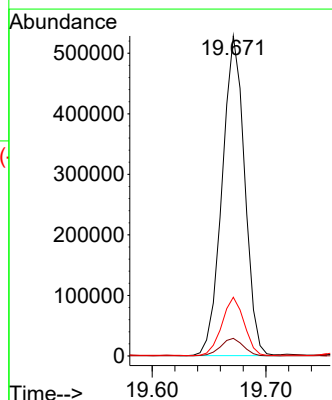
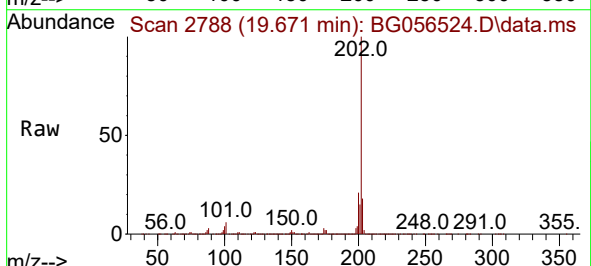
Tgt Ion:202 Resp: 727124

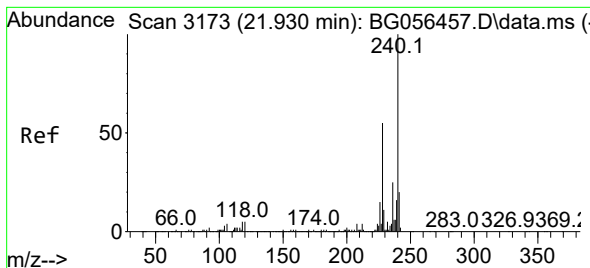
Ion Ratio Lower Upper

202 100

101 5.5 0.0 25.6

203 18.4 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.928 min Scan# 3172

Delta R.T. 0.003 min

Lab File: BG056524.D

Acq: 2 Feb 2023 21:37

Instrument :

BNA_G

ClientSampleId :

JPP-14-013123

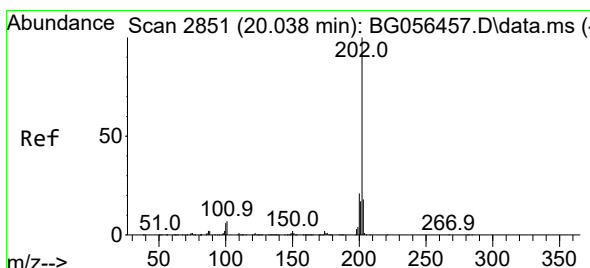
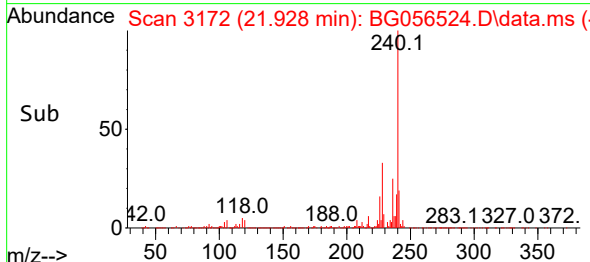
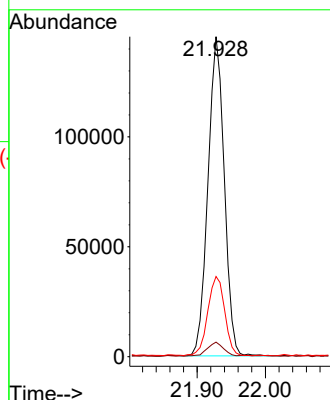
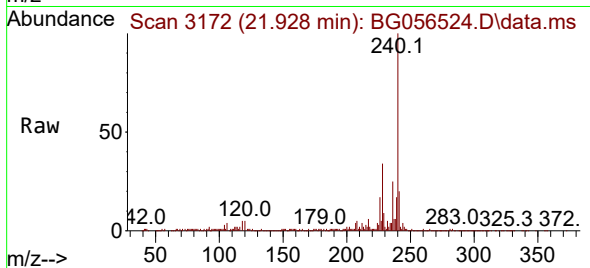
Tgt Ion:240 Resp: 241683

Ion Ratio Lower Upper

240 100

120 4.6 3.8 5.8

236 25.0 20.2 30.2



#78

Pyrene

Concen: 45.934 ng

RT: 20.030 min Scan# 2849

Delta R.T. -0.002 min

Lab File: BG056524.D

Acq: 2 Feb 2023 21:37

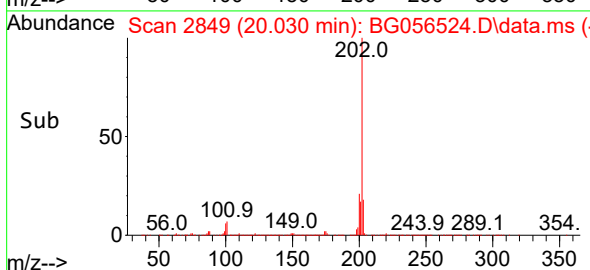
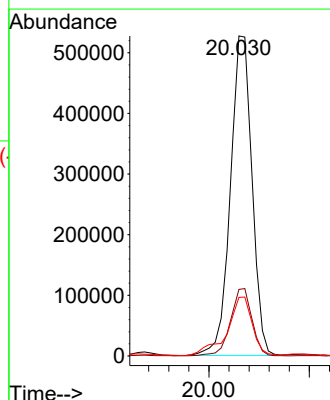
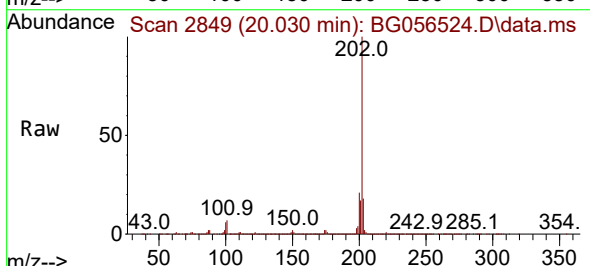
Tgt Ion:202 Resp: 789568

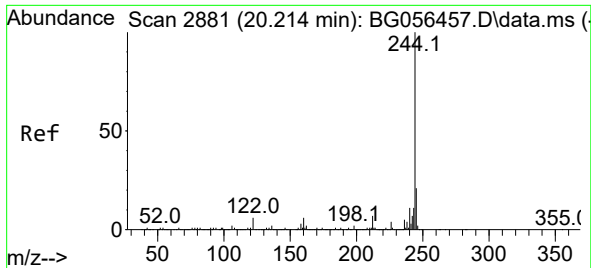
Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 18.3 14.4 21.6

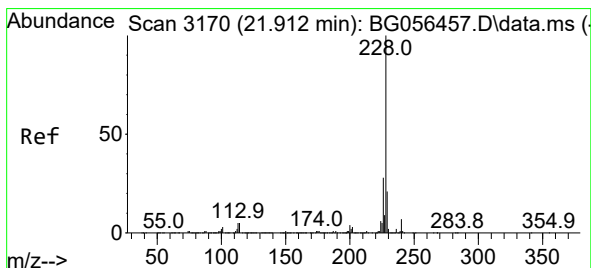
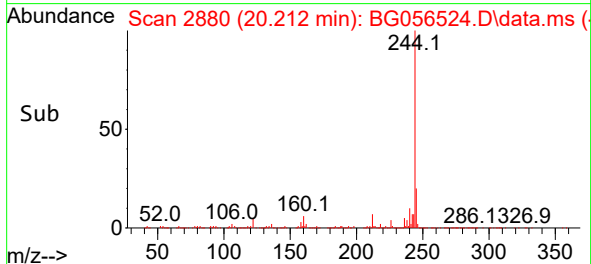
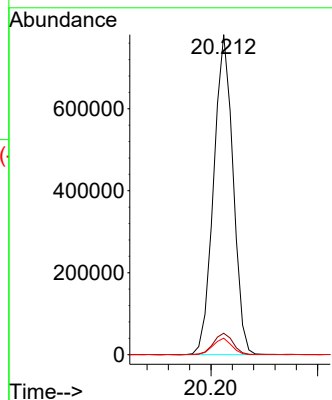
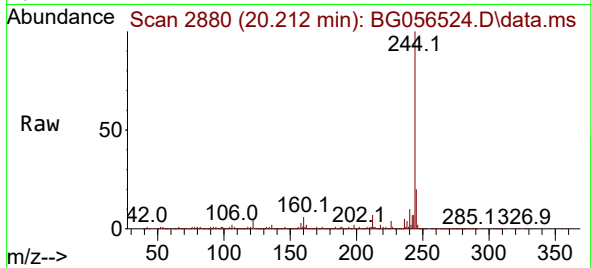




#79
 Terphenyl-d14
 Concen: 71.431 ng
 RT: 20.212 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG056524.D
 Acq: 2 Feb 2023 21:37

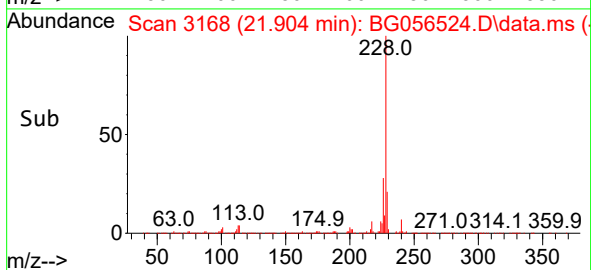
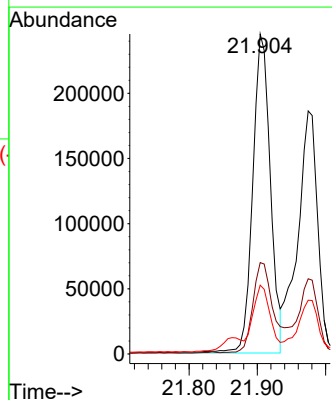
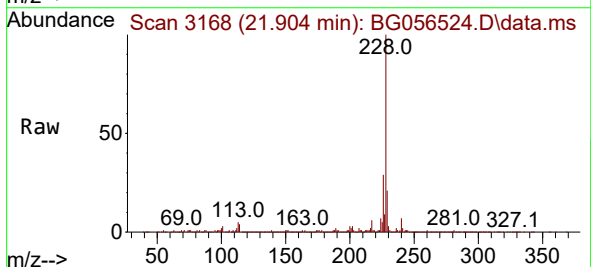
Instrument :
 BNA_G
 ClientSampleId :
 JPP-14-013123

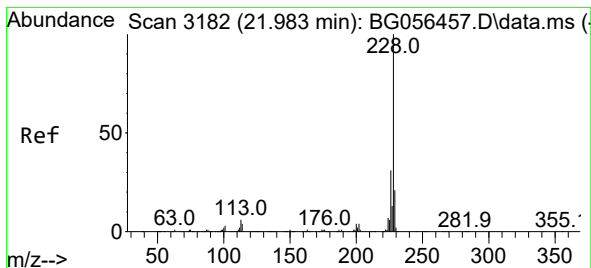
Tgt Ion:244 Resp: 982921
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.5 8.3
 122 5.2 4.4 6.6



#81
 Benzo(a)anthracene
 Concen: 25.870 ng
 RT: 21.904 min Scan# 3168
 Delta R.T. 0.003 min
 Lab File: BG056524.D
 Acq: 2 Feb 2023 21:37

Tgt Ion:228 Resp: 437108
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.4 33.6
 229 21.5 16.5 24.7





#83

Chrysene

Concen: 23.841 ng

RT: 21.975 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG056524.D

Acq: 2 Feb 2023 21:37

Instrument :

BNA_G

ClientSampleId :

JPP-14-013123

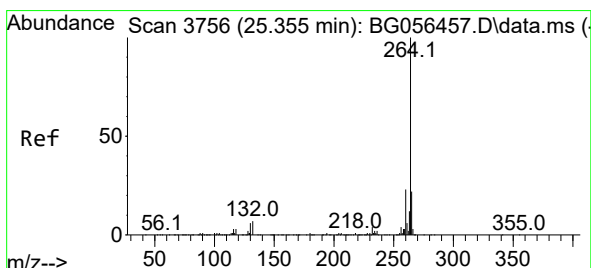
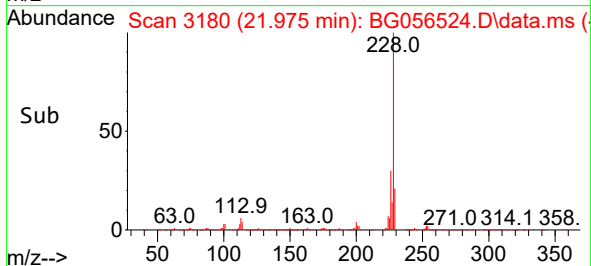
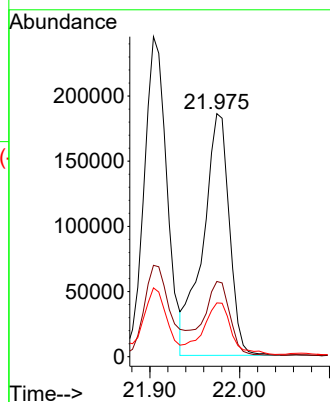
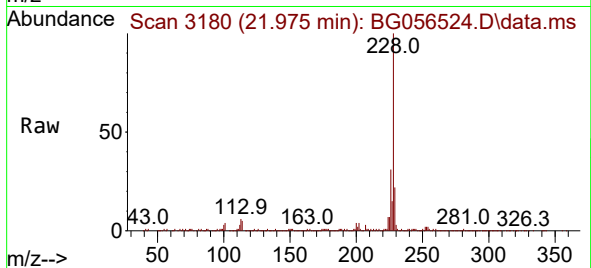
Tgt Ion:228 Resp: 378441

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.4

229 22.1 16.4 24.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.353 min Scan# 3755

Delta R.T. 0.009 min

Lab File: BG056524.D

Acq: 2 Feb 2023 21:37

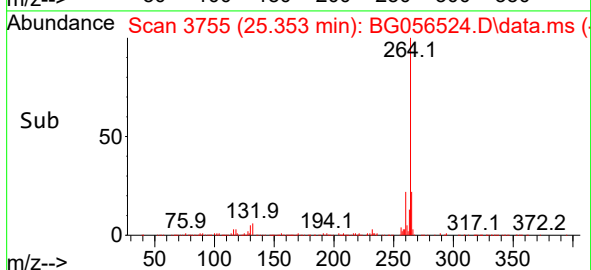
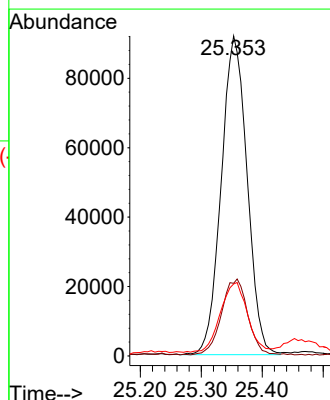
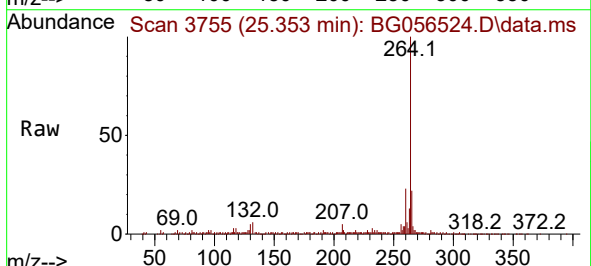
Tgt Ion:264 Resp: 270347

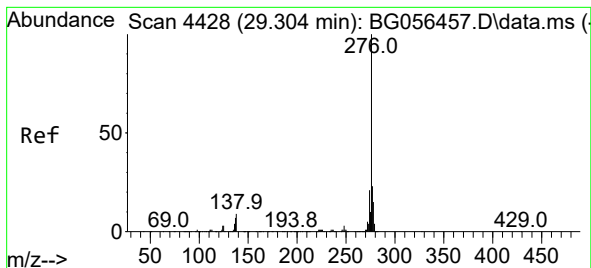
Ion Ratio Lower Upper

264 100

260 22.7 18.2 27.4

265 22.5 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 16.355 ng

RT: 29.301 min Scan# 4428

Delta R.T. 0.021 min

Lab File: BG056524.D

Acq: 2 Feb 2023 21:37

Instrument :

BNA_G

ClientSampleId :

JPP-14-013123

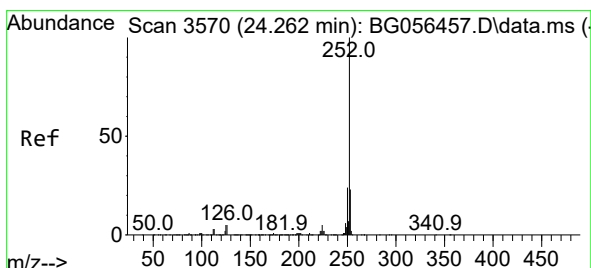
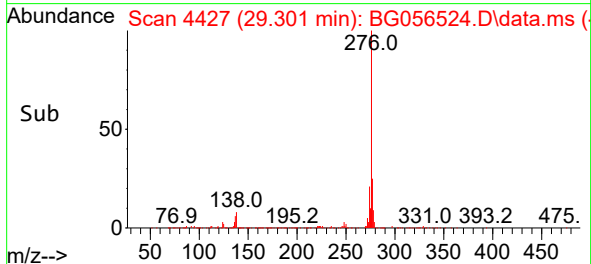
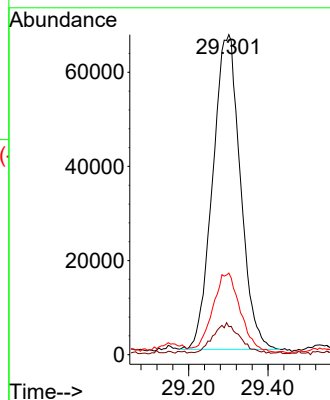
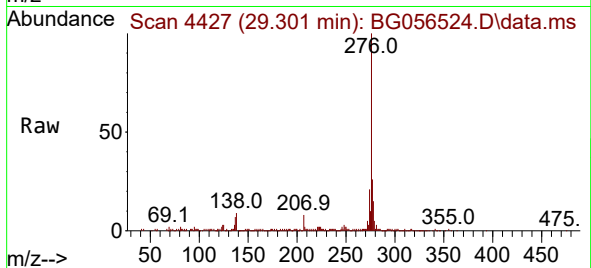
Tgt Ion:276 Resp: 323662

Ion Ratio Lower Upper

276 100

138 9.5 9.4 14.2

277 25.1 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 34.698 ng

RT: 24.260 min Scan# 3569

Delta R.T. 0.009 min

Lab File: BG056524.D

Acq: 2 Feb 2023 21:37

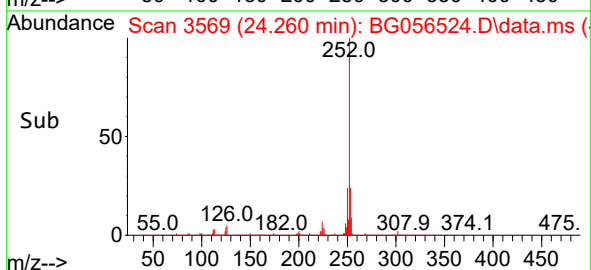
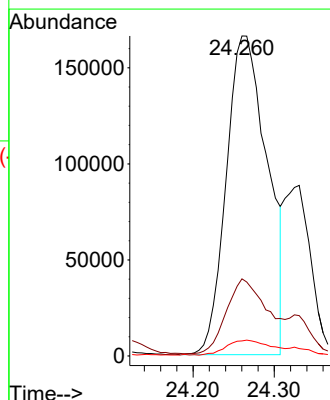
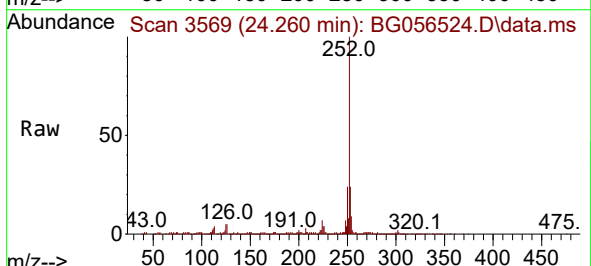
Tgt Ion:252 Resp: 582234

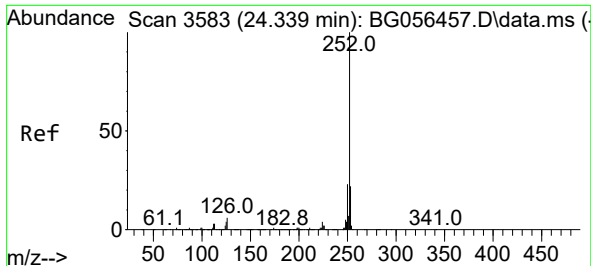
Ion Ratio Lower Upper

252 100

253 24.1 18.1 27.1

125 4.7 3.9 5.9

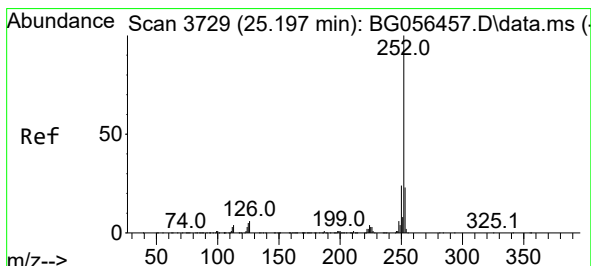
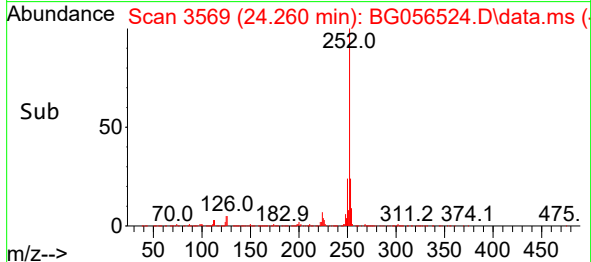
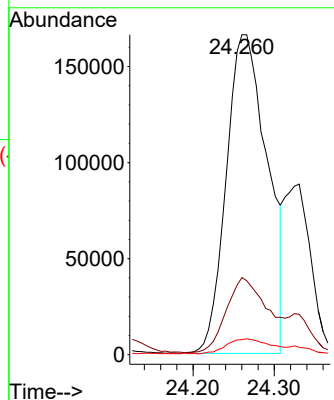
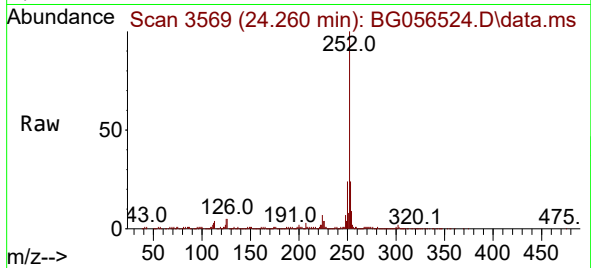




#89
Benzo(k)fluoranthene
Concen: 34.367 ng
RT: 24.260 min Scan# 31
Delta R.T. -0.061 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37

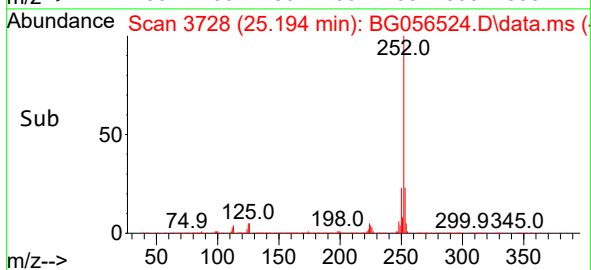
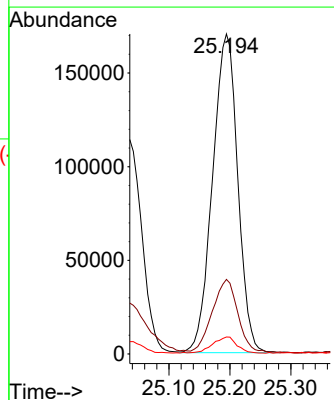
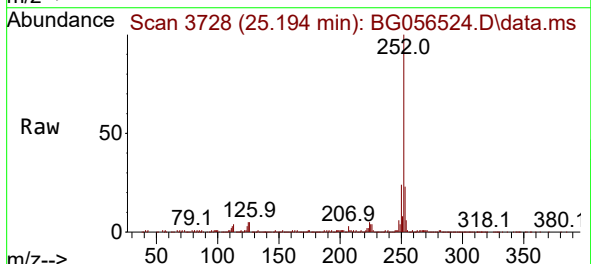
Instrument :
BNA_G
ClientSampleId :
JPP-14-013123

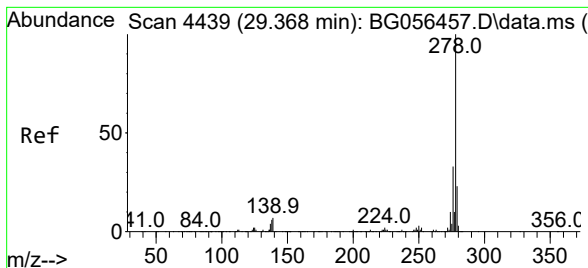
Tgt Ion:252 Resp: 582234
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 4.7 3.4 5.0



#90
Benzo(a)pyrene
Concen: 29.534 ng
RT: 25.194 min Scan# 3728
Delta R.T. 0.009 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37

Tgt Ion:252 Resp: 488189
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 5.3 4.1 6.1





#91

Dibenzo(a,h)anthracene

Concen: 4.878 ng

RT: 29.331 min Scan# 4432

Delta R.T. -0.014 min

Lab File: BG056524.D

Acq: 2 Feb 2023 21:37

Instrument :

BNA_G

ClientSampleId :

JPP-14-013123

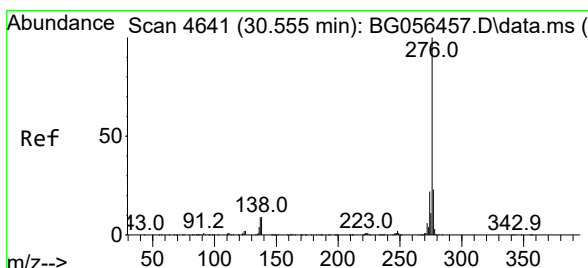
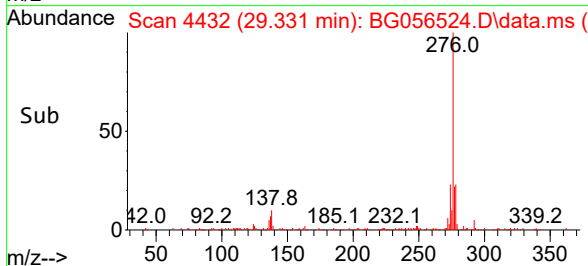
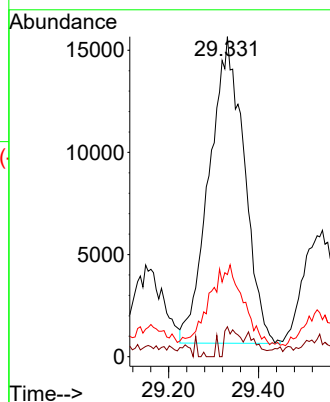
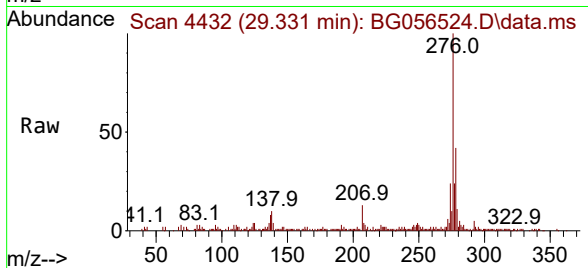
Tgt Ion:278 Resp: 81029

Ion Ratio Lower Upper

278 100

139 9.4 5.5 8.3#

279 25.7 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 21.573 ng

RT: 30.535 min Scan# 4637

Delta R.T. 0.009 min

Lab File: BG056524.D

Acq: 2 Feb 2023 21:37

Tgt Ion:276 Resp: 345782

Ion Ratio Lower Upper

276 100

277 23.9 18.5 27.7

138 8.3 7.4 11.0

