

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
 Data File : BG056526.D
 Acq On : 2 Feb 2023 22:58
 Operator : CG/JU
 Sample : 01374-01DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JC-3-13123-ADL

Quant Time: Feb 03 06:00:19 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)

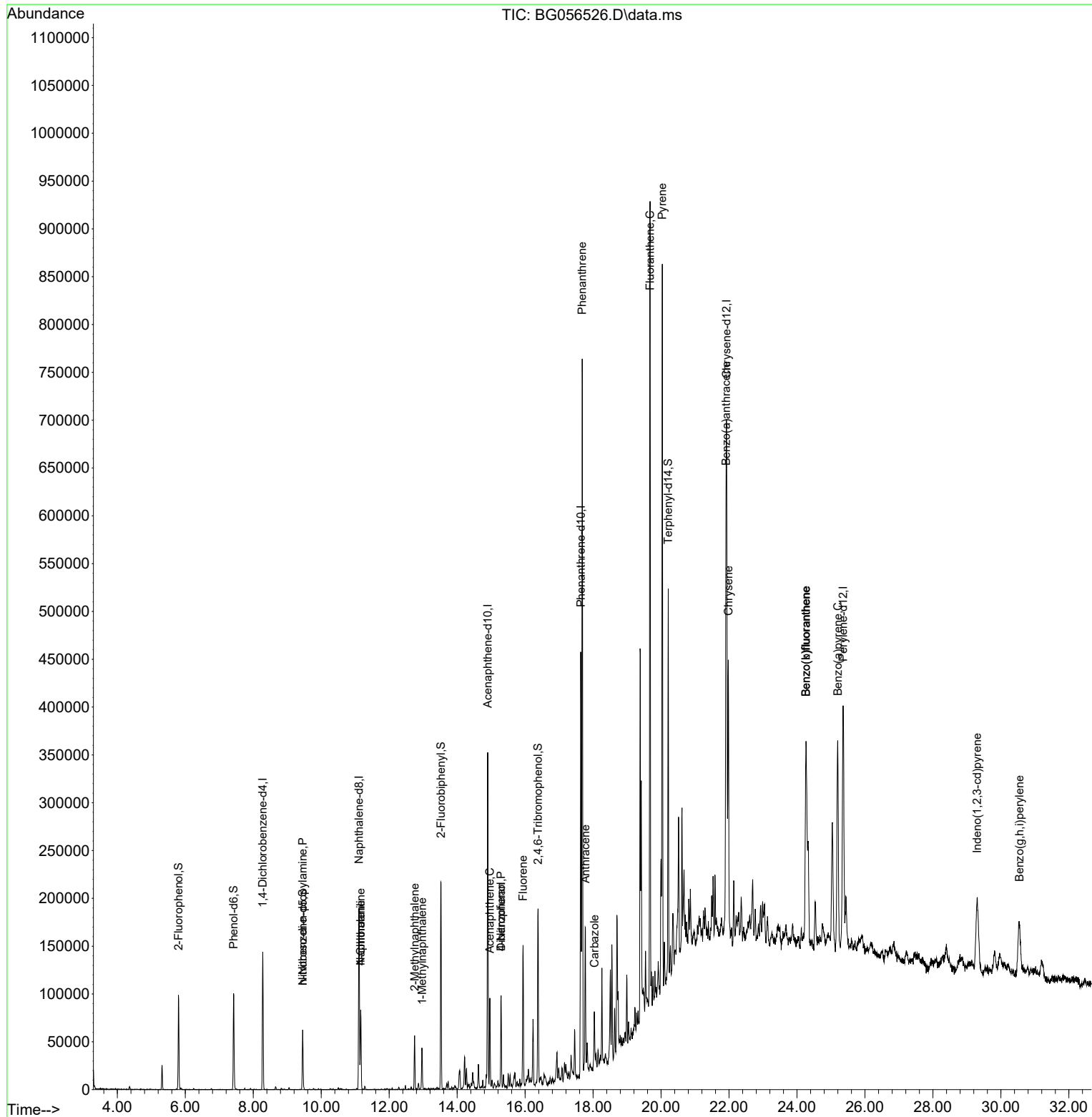
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.277	152	48981	20.000	ng	# 0.00
21) Naphthalene-d8	11.109	136	185193	20.000	ng	0.00
39) Acenaphthene-d10	14.898	164	134119	20.000	ng	0.00
64) Phenanthrene-d10	17.636	188	305030	20.000	ng	0.00
76) Chrysene-d12	21.925	240	292544	20.000	ng	0.00
86) Perylene-d12	25.357	264	330499	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	58884	22.115	ng	0.00
7) Phenol-d6	7.419	99	81764	20.725	ng	0.00
23) Nitrobenzene-d5	9.452	82	44269	13.574	ng	0.00
42) 2,4,6-Tribromophenol	16.379	330	32993	18.504	ng	0.00
45) 2-Fluorobiphenyl	13.524	172	128451	13.278	ng	0.00
79) Terphenyl-d14	20.210	244	199169	11.958	ng	0.00
Target Compounds						
9) Benzaldehyde	7.407	77	65	Below Cal		Qvalue # 34
19) n-Nitroso-di-n-propyla...	9.452	70	5898	2.594	ng	# 71
31) Naphthalene	11.162	128	78160	7.996	ng	96
33) 4-Chloroaniline	11.162	127	10849	2.378	ng	# 29
37) 2-Methylnaphthalene	12.748	142	29079	3.609	ng	98
38) 1-Methylnaphthalene	12.965	142	22618	3.005	ng	97
52) Acenaphthene	14.963	154	35419	4.828	ng	98
55) Dibenzofuran	15.292	168	66068	5.022	ng	97
56) 4-Nitrophenol	15.292	139	21692	13.839	ng	# 11
58) Fluorene	15.938	166	72714	6.946	ng	97
71) Phenanthrene	17.677	178	532357	33.346	ng	98
72) Anthracene	17.772	178	111705	6.816	ng	99
73) Carbazole	18.036	167	41716	2.989	ng	98
75) Fluoranthene	19.675	202	596934	29.625	ng	99
78) Pyrene	20.034	202	524933	25.229	ng	99
81) Benzo(a)anthracene	21.908	228	272123	13.305	ng	99
83) Chrysene	21.978	228	232657	12.108	ng	97
87) Indeno(1,2,3-cd)pyrene	29.299	276	159439	6.590	ng	# 94
88) Benzo(b)fluoranthene	24.264	252	334009	16.282	ng	99
89) Benzo(k)fluoranthene	24.264	252	334009	16.127	ng	# 98
90) Benzo(a)pyrene	25.198	252	274652	13.592	ng	100
92) Benzo(g,h,i)perylene	30.545	276	148636	7.586	ng	# 97

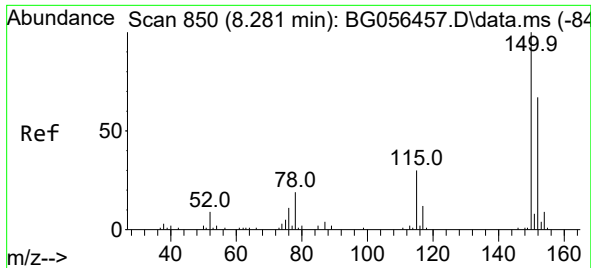
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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JC-3-13123-ADL

Quant Time: Feb 03 06:00:19 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

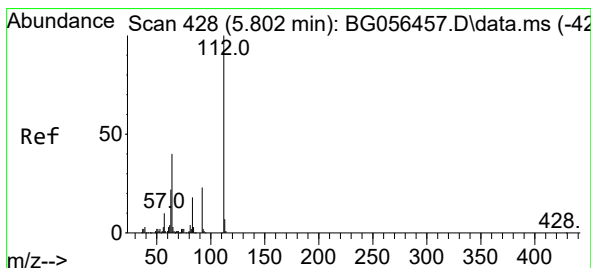
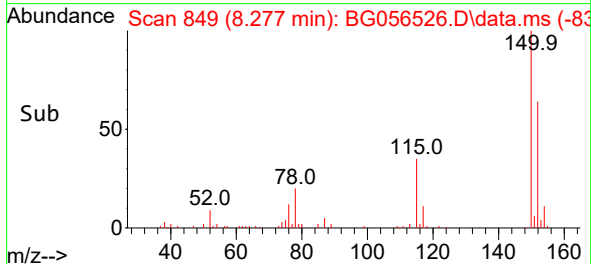
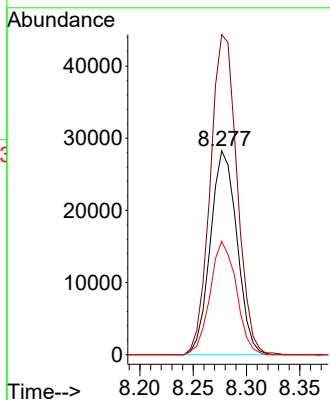
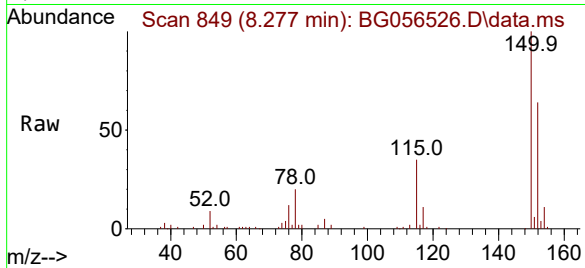




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.277 min Scan# 84
Delta R.T. 0.002 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

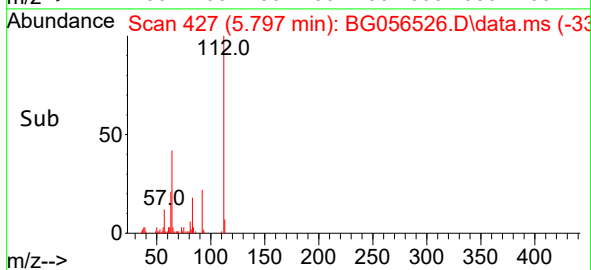
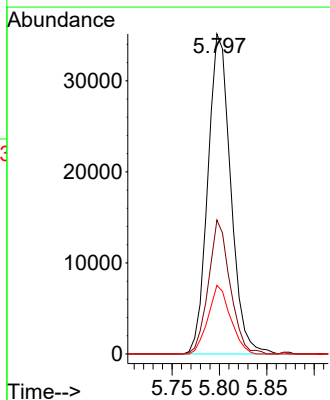
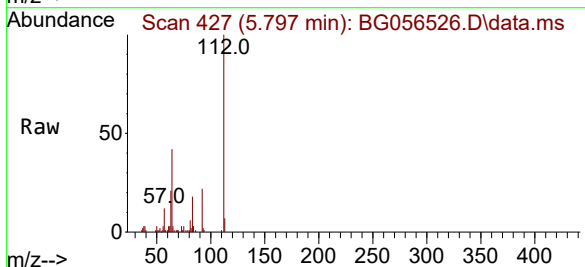
Instrument :
BNA_G
ClientSampleId :
JC-3-13123-ADL

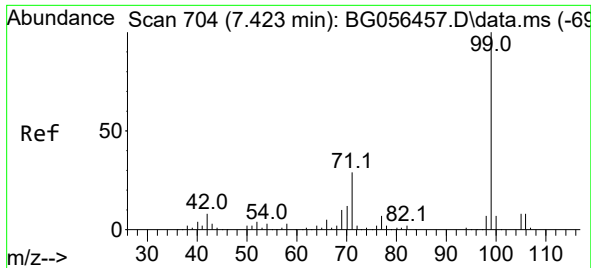
Tgt Ion:152 Resp: 48981
Ion Ratio Lower Upper
152 100
150 156.9 120.2 180.4
115 55.6 36.3 54.5#



#5
2-Fluorophenol
Concen: 22.115 ng
RT: 5.797 min Scan# 427
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

Tgt Ion:112 Resp: 58884
Ion Ratio Lower Upper
112 100
64 41.8 31.9 47.9
63 21.4 17.4 26.0

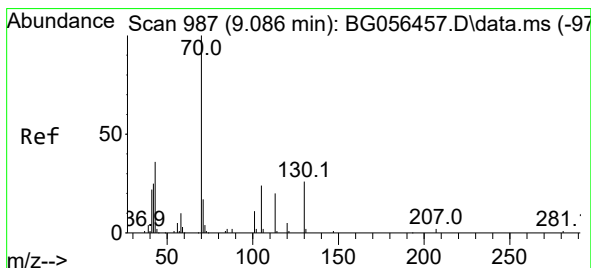
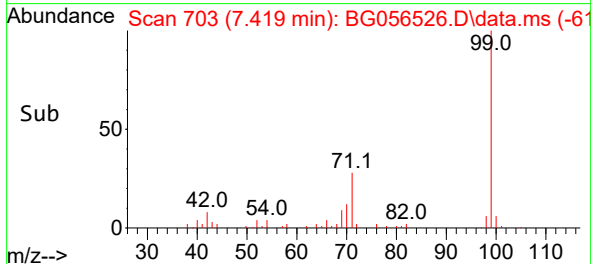
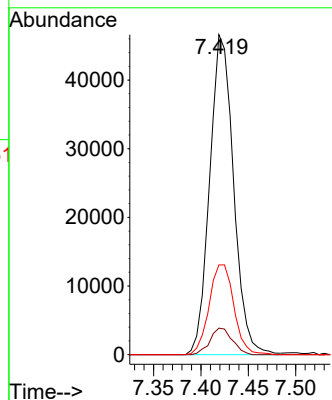
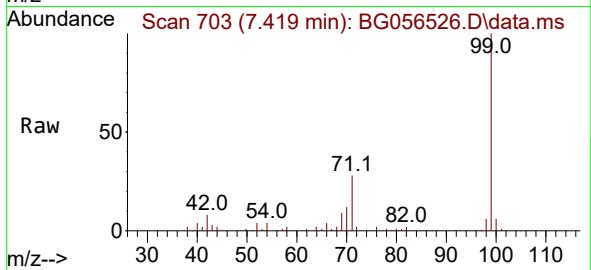




#7
Phenol-d6
Concen: 20.725 ng
RT: 7.419 min Scan# 704
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

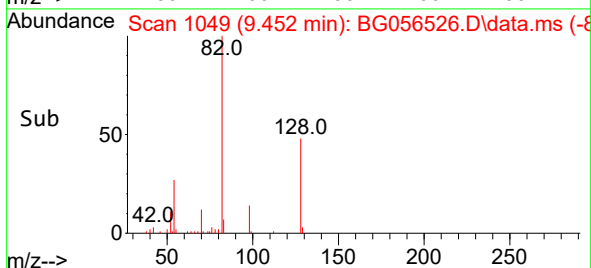
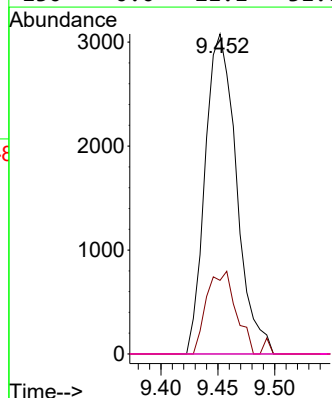
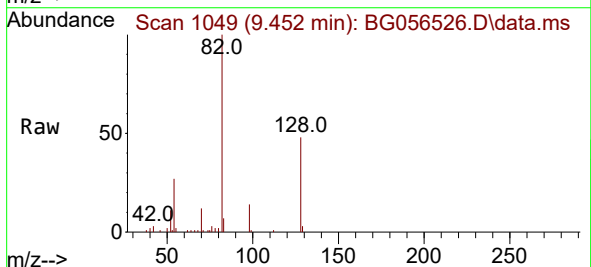
Instrument :
BNA_G
ClientSampleId :
JC-3-13123-ADL

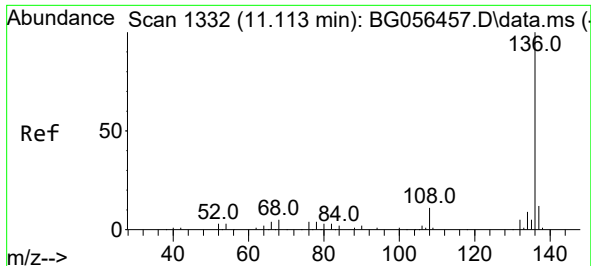
Tgt Ion: 99 Resp: 81764
Ion Ratio Lower Upper
99 100
42 8.3 6.6 10.0
71 28.0 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 2.594 ng
RT: 9.452 min Scan# 1049
Delta R.T. 0.371 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

Tgt Ion: 70 Resp: 5898
Ion Ratio Lower Upper
70 100
42 23.0 20.2 30.4
101 0.0 9.1 13.7#
130 0.0 21.1 31.7#

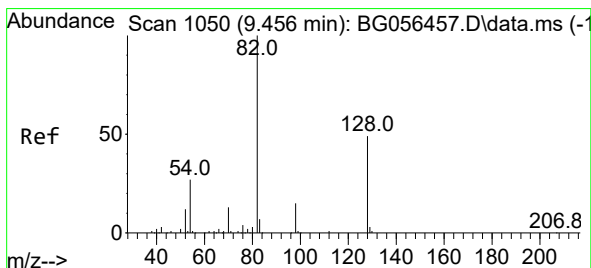
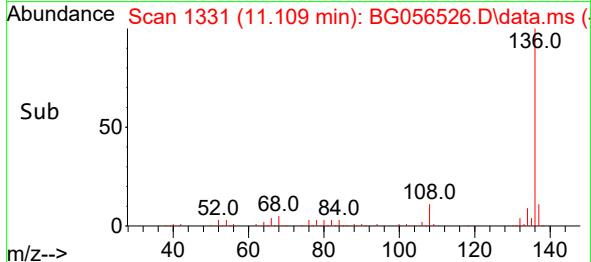
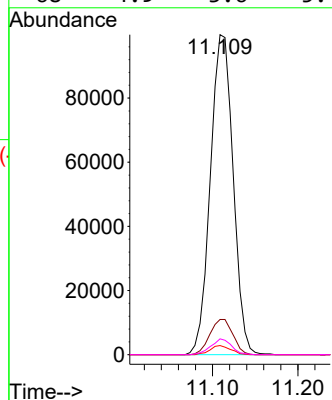
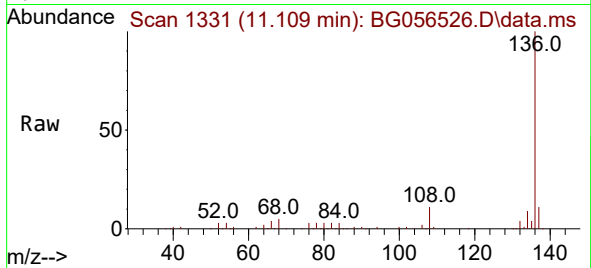




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.109 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

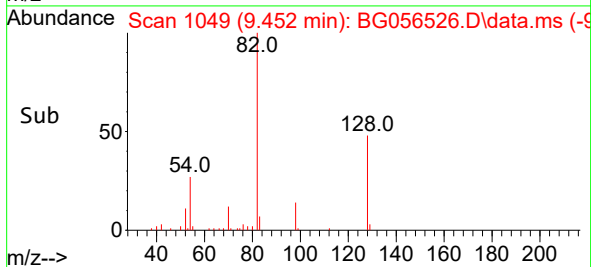
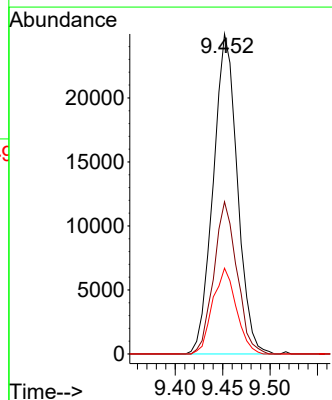
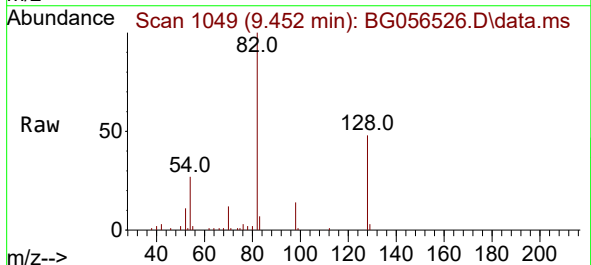
Instrument :
BNA_G
ClientSampleId :
JC-3-13123-ADL

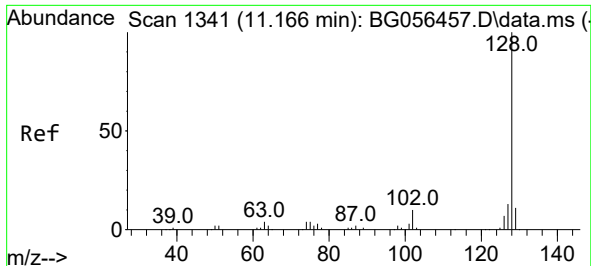
Tgt Ion:136 Resp: 185193
Ion Ratio Lower Upper
136 100
137 11.0 9.4 14.0
54 2.9 2.2 3.4
68 4.9 3.6 5.4



#23
Nitrobenzene-d5
Concen: 13.574 ng
RT: 9.452 min Scan# 1049
Delta R.T. -0.005 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

Tgt Ion: 82 Resp: 44269
Ion Ratio Lower Upper
82 100
128 47.5 39.4 59.2
54 26.8 21.4 32.2

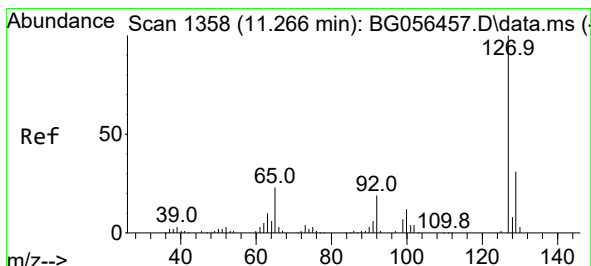
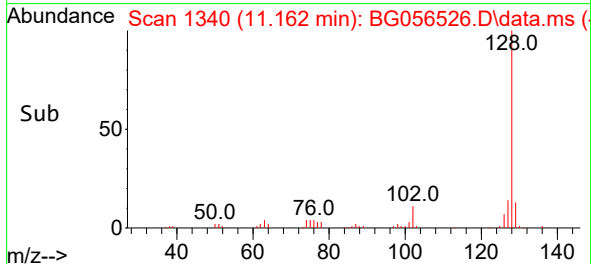
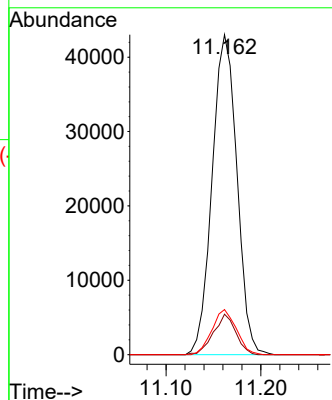
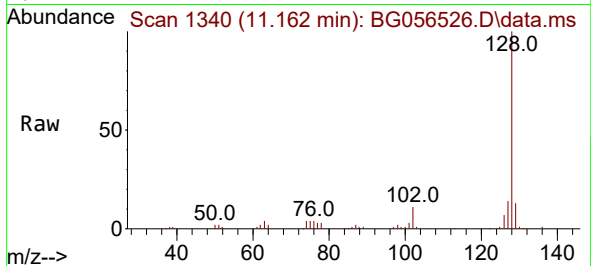




#31
Naphthalene
Concen: 7.996 ng
RT: 11.162 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

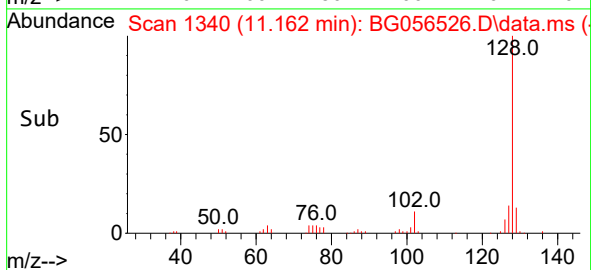
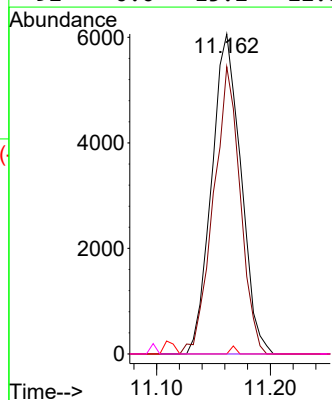
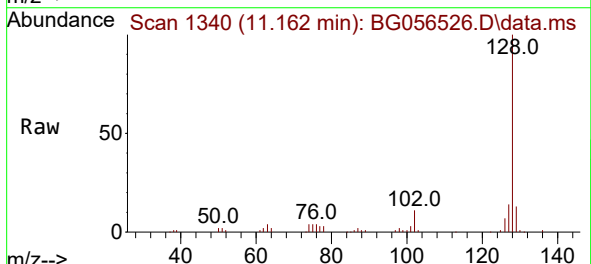
Instrument :
BNA_G
ClientSampleId :
JC-3-13123-ADL

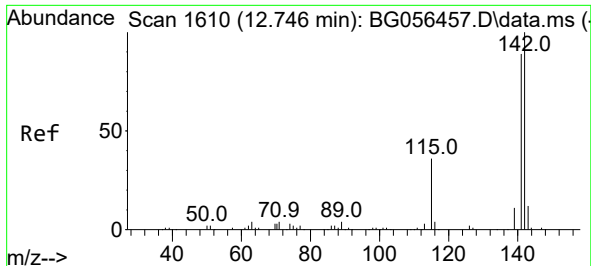
Tgt Ion:128 Resp: 78160
Ion Ratio Lower Upper
128 100
129 12.7 8.7 13.1
127 14.1 10.4 15.6



#33
4-Chloroaniline
Concen: 2.378 ng
RT: 11.162 min Scan# 1340
Delta R.T. -0.104 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

Tgt Ion:127 Resp: 10849
Ion Ratio Lower Upper
127 100
129 89.8 25.0 37.6#
65 0.0 18.5 27.7#
92 0.0 15.2 22.8#





#37

2-Methylnaphthalene

Concen: 3.609 ng

RT: 12.748 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG056526.D

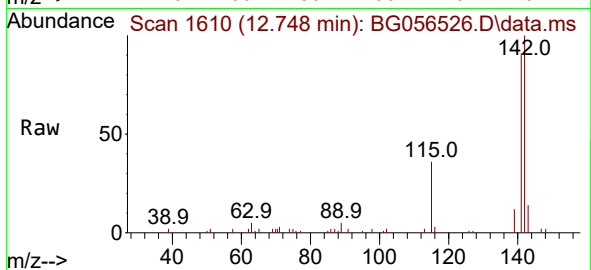
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BNA_G

ClientSampleId :

JC-3-13123-ADL



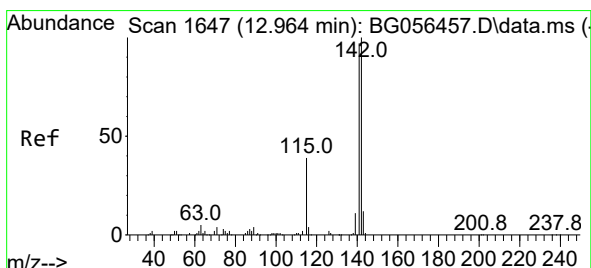
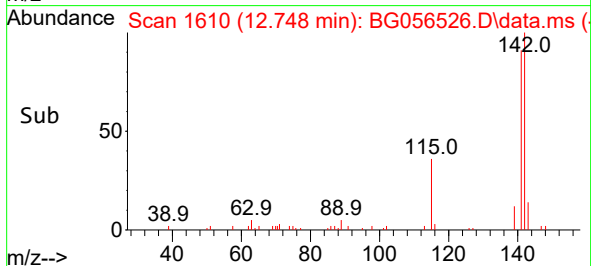
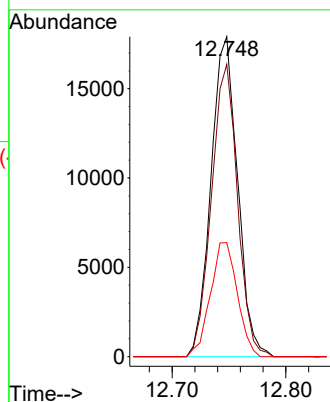
Tgt Ion:142 Resp: 29079

Ion Ratio Lower Upper

142 100

141 91.4 71.4 107.0

115 35.7 28.4 42.6



#38

1-Methylnaphthalene

Concen: 3.005 ng

RT: 12.965 min Scan# 1647

Delta R.T. 0.001 min

Lab File: BG056526.D

Acq: 2 Feb 2023 22:58

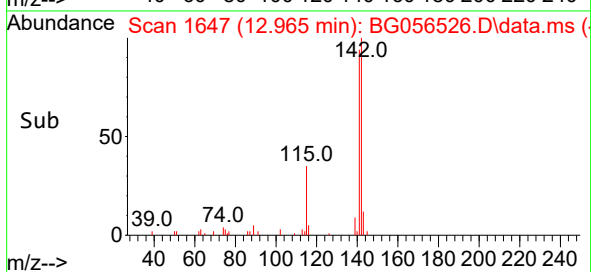
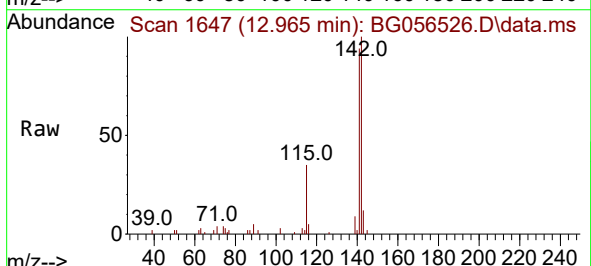
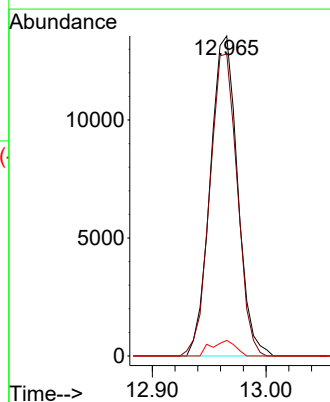
Tgt Ion:142 Resp: 22618

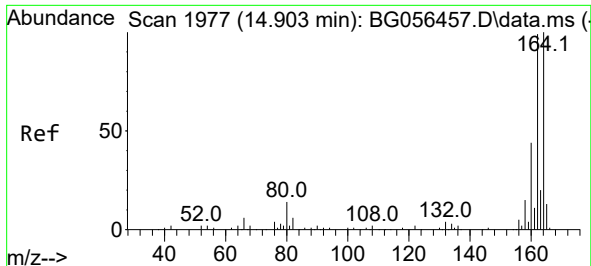
Ion Ratio Lower Upper

142 100

141 94.3 77.7 116.5

116 4.9 3.4 5.2

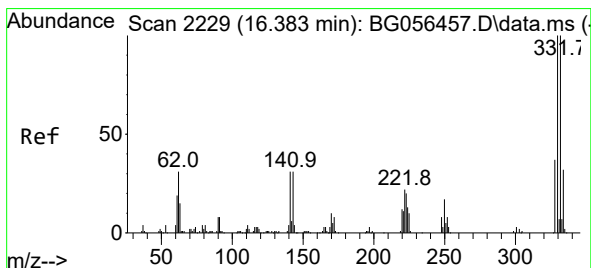
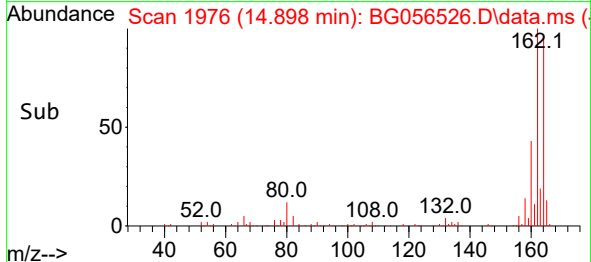
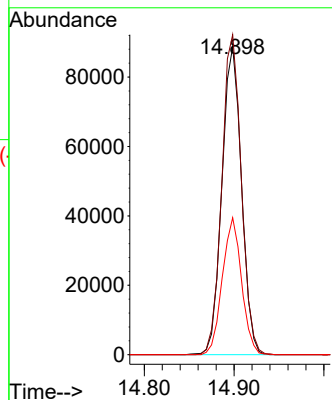
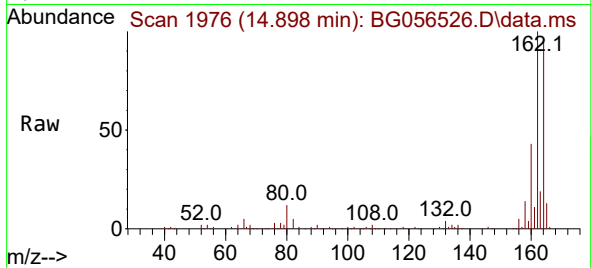




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.898 min Scan# 1976
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

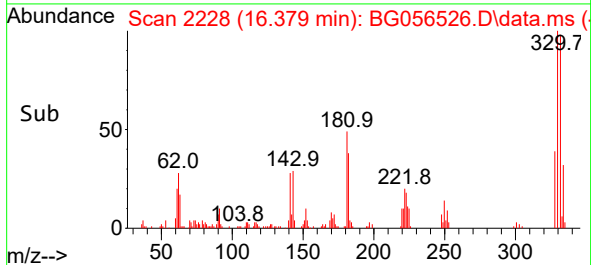
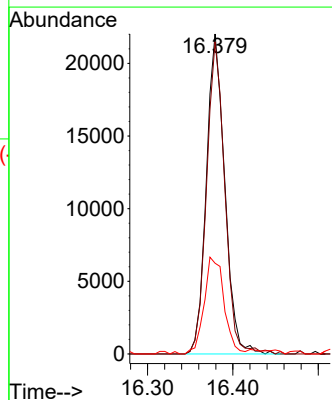
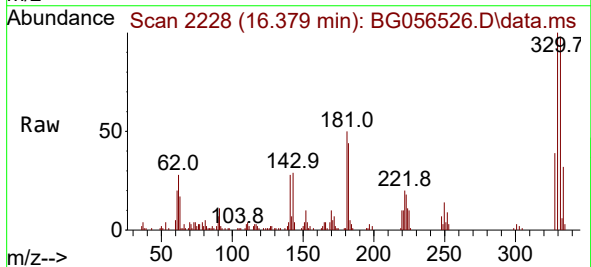
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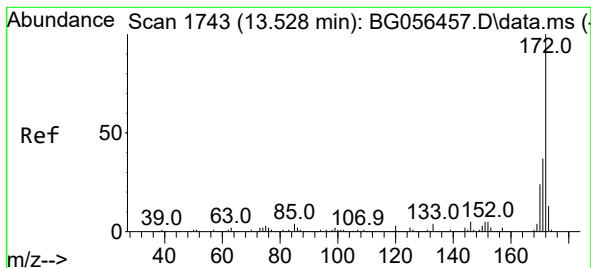
Tgt Ion:164 Resp: 134119
Ion Ratio Lower Upper
164 100
162 103.9 79.6 119.4
160 44.5 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 18.504 ng
RT: 16.379 min Scan# 2228
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

Tgt Ion:330 Resp: 32993
Ion Ratio Lower Upper
330 100
332 96.7 79.0 118.6
141 32.7 24.2 36.4

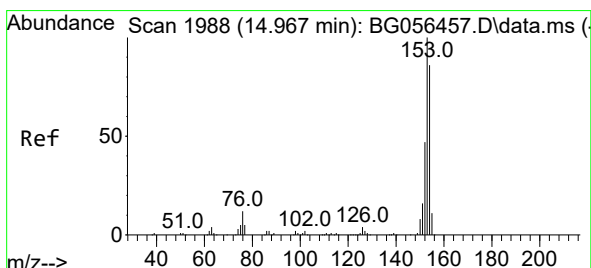
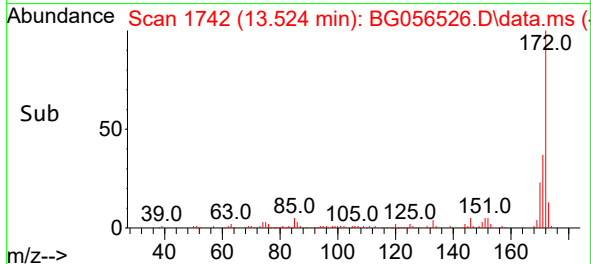
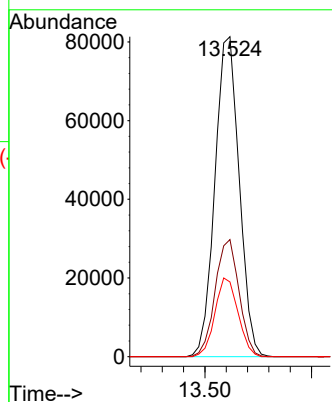
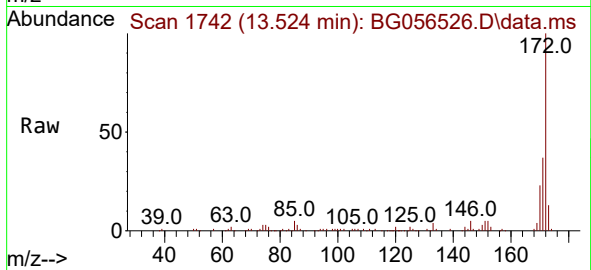




#45
2-Fluorobiphenyl
Concen: 13.278 ng
RT: 13.524 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

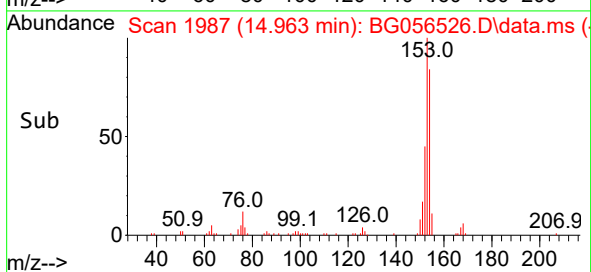
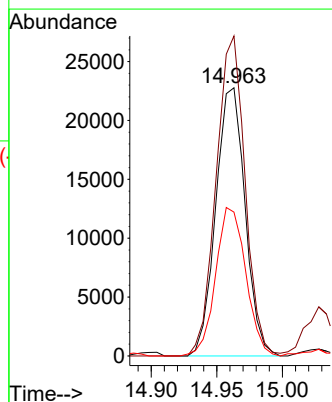
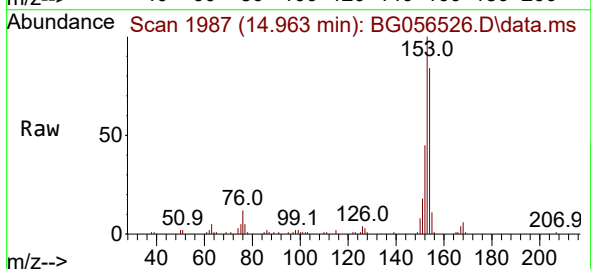
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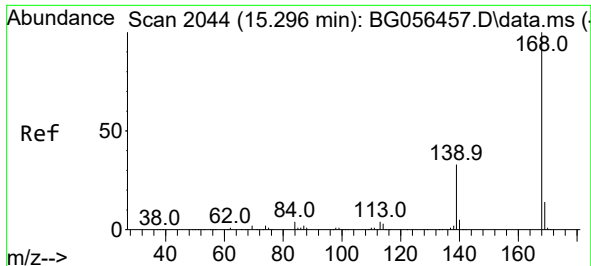
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Ion Ratio Lower Upper
172 100
171 36.6 29.5 44.3
170 23.3 19.2 28.8



#52
Acenaphthene
Concen: 4.828 ng
RT: 14.963 min Scan# 1987
Delta R.T. 0.001 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

Tgt Ion:154 Resp: 35419
Ion Ratio Lower Upper
154 100
153 119.3 93.4 140.0
152 53.6 43.4 65.2

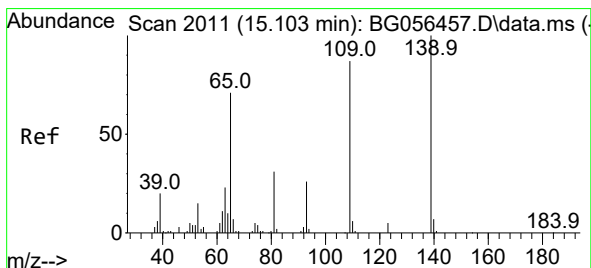
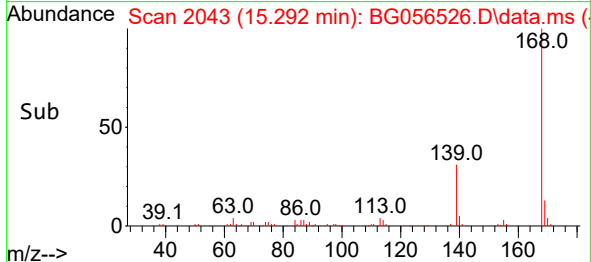
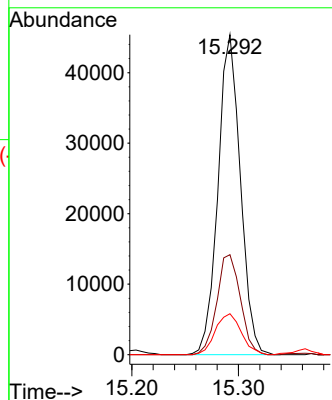
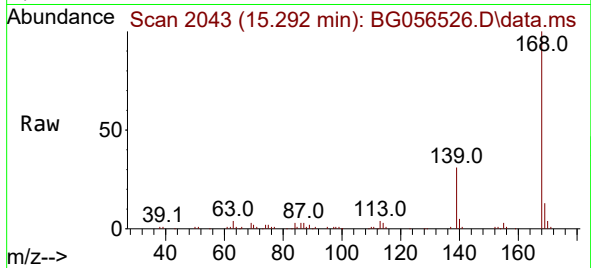




#55
 Dibenzofuran
 Concen: 5.022 ng
 RT: 15.292 min Scan# 2043
 Delta R.T. 0.001 min
 Lab File: BG056526.D
 Acq: 2 Feb 2023 22:58

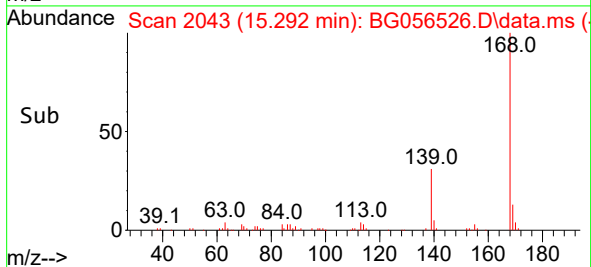
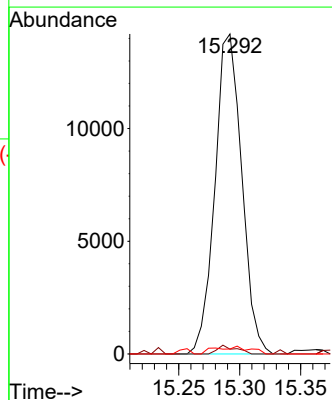
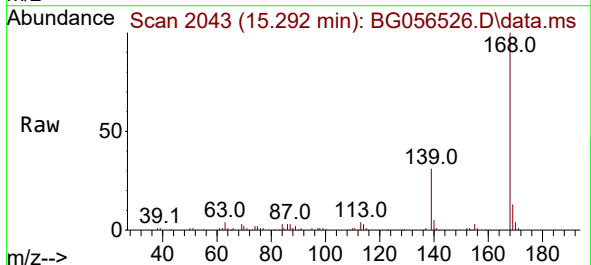
Instrument :
 BNA_G
 ClientSampleId :
 JC-3-13123-ADL

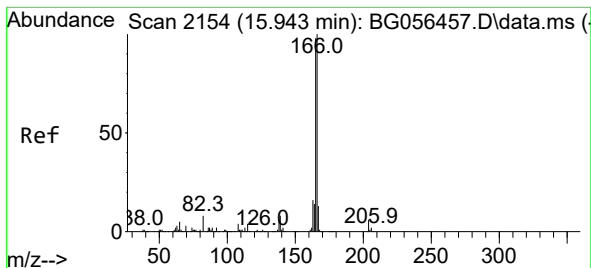
Tgt Ion:168 Resp: 66068
 Ion Ratio Lower Upper
 168 100
 139 31.3 26.2 39.2
 169 12.8 11.0 16.6



#56
 4-Nitrophenol
 Concen: 13.839 ng
 RT: 15.292 min Scan# 2043
 Delta R.T. 0.195 min
 Lab File: BG056526.D
 Acq: 2 Feb 2023 22:58

Tgt Ion:139 Resp: 21692
 Ion Ratio Lower Upper
 139 100
 109 1.5 67.5 107.5#
 65 1.5 50.7 90.7#





#58

Fluorene

Concen: 6.946 ng

RT: 15.938 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG056526.D

Acq: 2 Feb 2023 22:58

Instrument :

BNA_G

ClientSampleId :

JC-3-13123-ADL

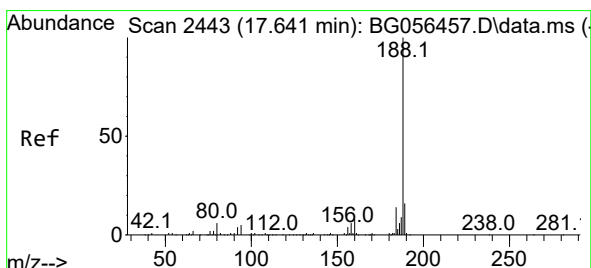
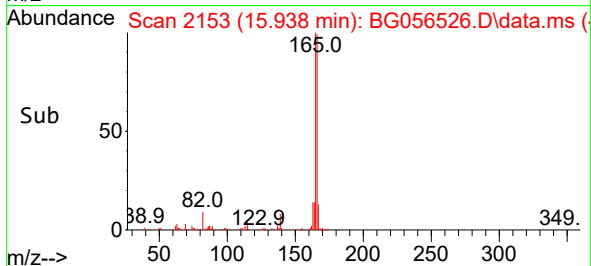
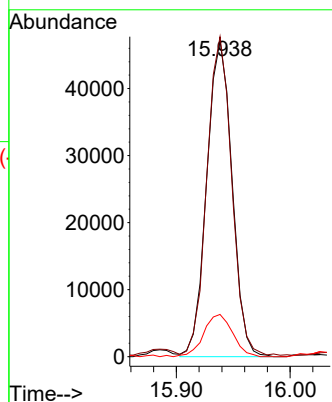
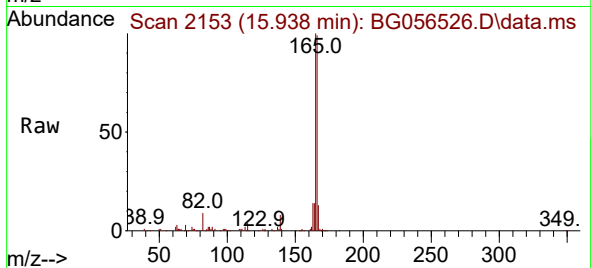
Tgt Ion:166 Resp: 72714

Ion Ratio Lower Upper

166 100

165 101.3 78.8 118.2

167 13.4 10.6 15.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.636 min Scan# 2442

Delta R.T. 0.001 min

Lab File: BG056526.D

Acq: 2 Feb 2023 22:58

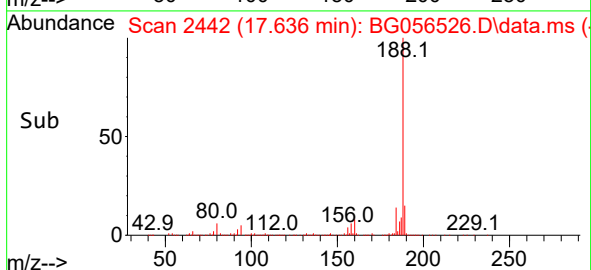
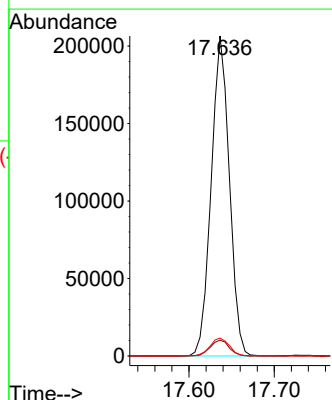
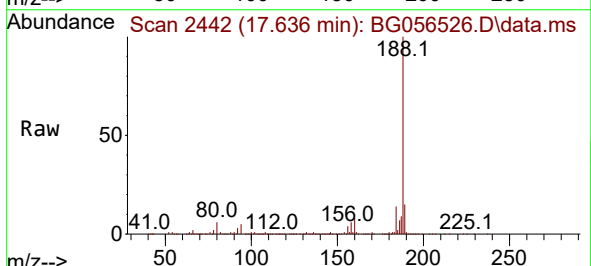
Tgt Ion:188 Resp: 305030

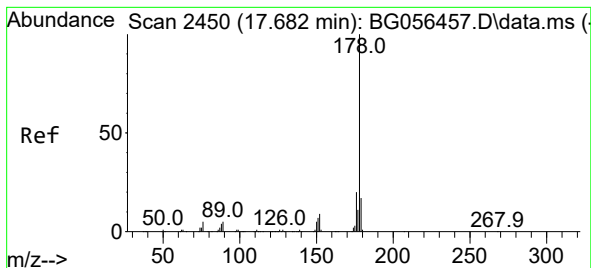
Ion Ratio Lower Upper

188 100

94 4.9 4.1 6.1

80 5.6 5.0 7.4





#71

Phenanthrene

Concen: 33.346 ng

RT: 17.677 min Scan# 2449

Delta R.T. 0.001 min

Lab File: BG056526.D

Acq: 2 Feb 2023 22:58

Instrument :

BNA_G

ClientSampleId :

JC-3-13123-ADL

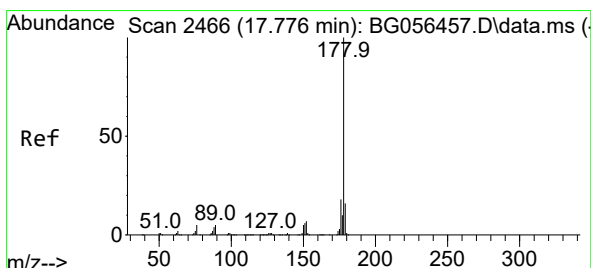
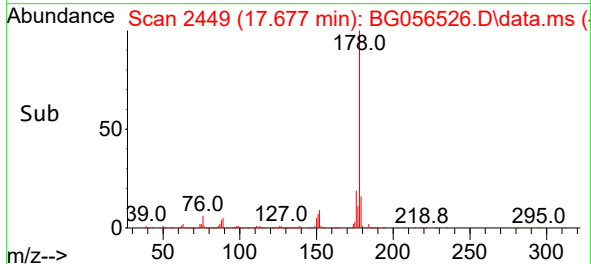
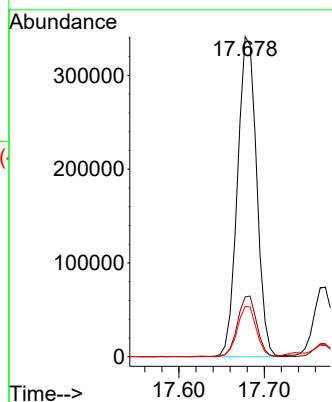
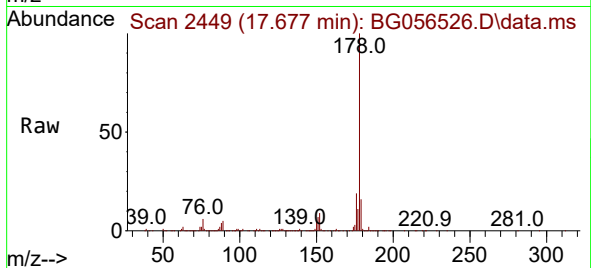
Tgt Ion:178 Resp: 532357

Ion Ratio Lower Upper

178 100

176 18.7 15.6 23.4

179 15.7 13.3 19.9



#72

Anthracene

Concen: 6.816 ng

RT: 17.772 min Scan# 2465

Delta R.T. 0.001 min

Lab File: BG056526.D

Acq: 2 Feb 2023 22:58

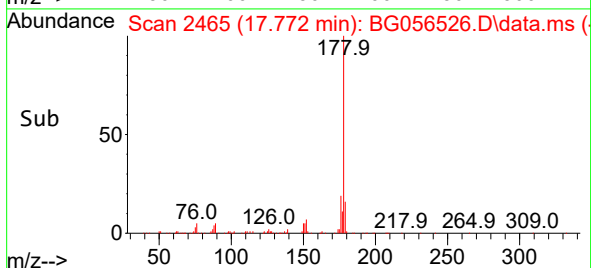
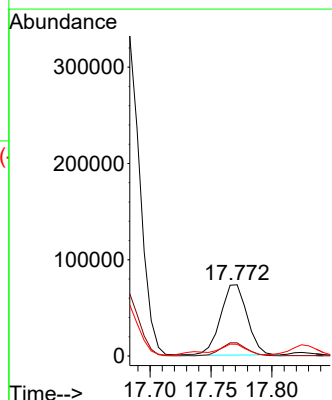
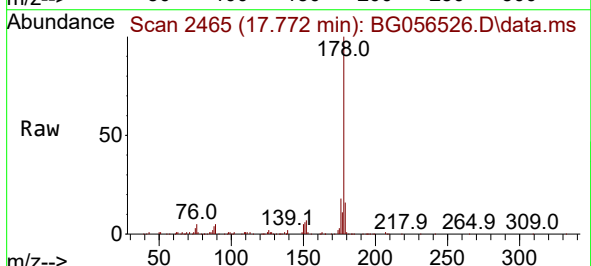
Tgt Ion:178 Resp: 111705

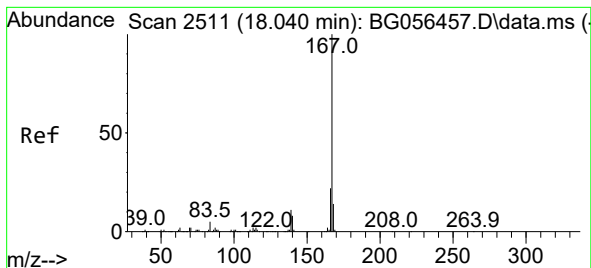
Ion Ratio Lower Upper

178 100

176 18.5 14.5 21.7

179 16.3 12.5 18.7





#73

Carbazole

Concen: 2.989 ng

RT: 18.036 min Scan# 2

Delta R.T. 0.001 min

Lab File: BG056526.D

Acq: 2 Feb 2023 22:58

Instrument :

BNA_G

ClientSampleId :

JC-3-13123-ADL

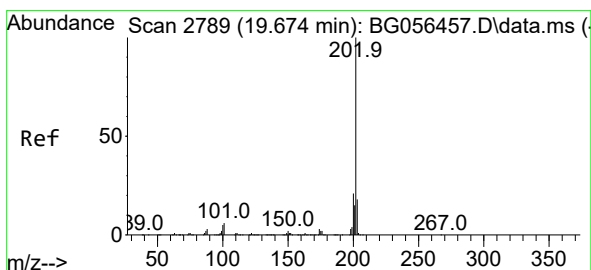
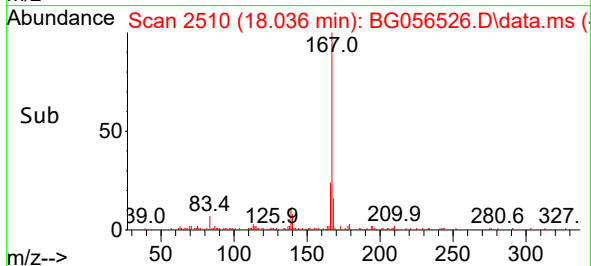
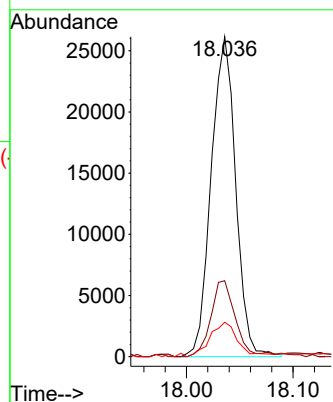
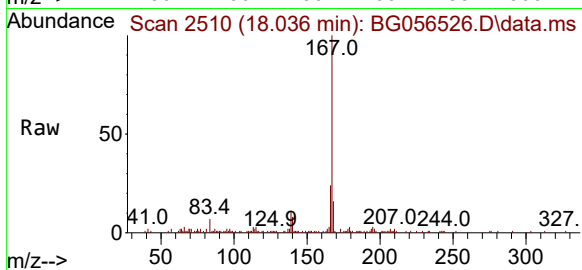
Tgt Ion:167 Resp: 41716

Ion Ratio Lower Upper

167 100

166 23.7 17.8 26.6

139 10.7 8.9 13.3



#75

Fluoranthene

Concen: 29.625 ng

RT: 19.675 min Scan# 2789

Delta R.T. 0.007 min

Lab File: BG056526.D

Acq: 2 Feb 2023 22:58

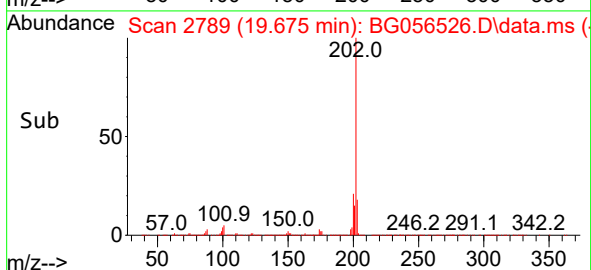
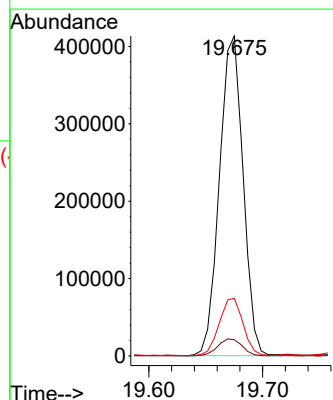
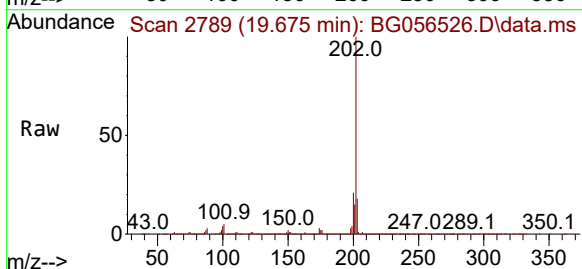
Tgt Ion:202 Resp: 596934

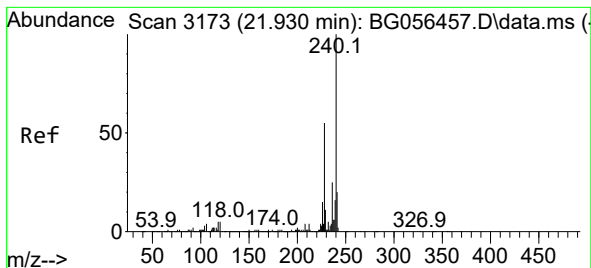
Ion Ratio Lower Upper

202 100

101 5.0 0.0 25.6

203 18.0 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.925 min Scan# 3172

Delta R.T. 0.001 min

Lab File: BG056526.D

Acq: 2 Feb 2023 22:58

Instrument :

BNA_G

ClientSampleId :

JC-3-13123-ADL

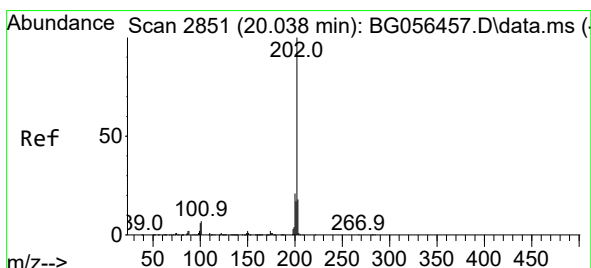
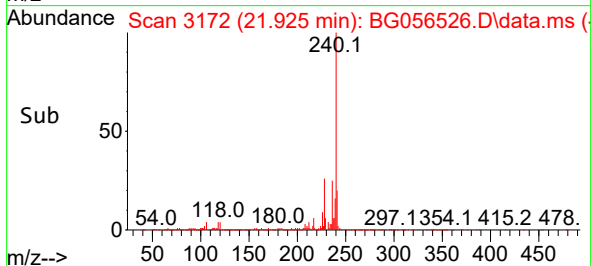
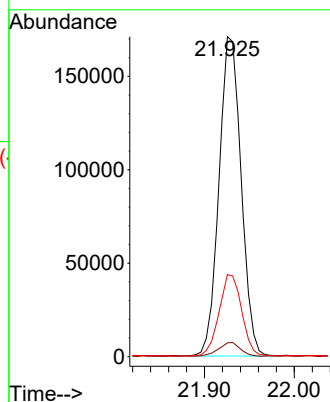
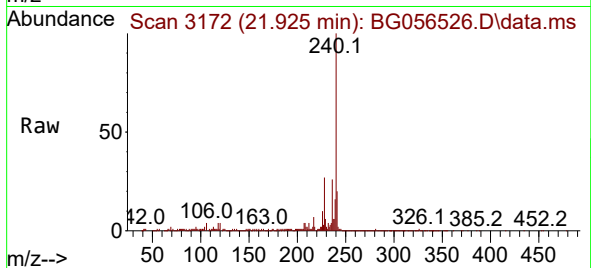
Tgt Ion:240 Resp: 292544

Ion Ratio Lower Upper

240 100

120 4.3 3.8 5.8

236 25.6 20.2 30.2



#78

Pyrene

Concen: 25.229 ng

RT: 20.034 min Scan# 2850

Delta R.T. 0.001 min

Lab File: BG056526.D

Acq: 2 Feb 2023 22:58

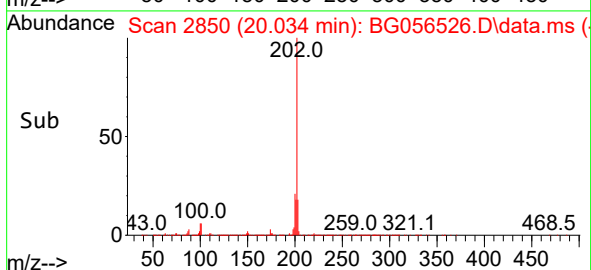
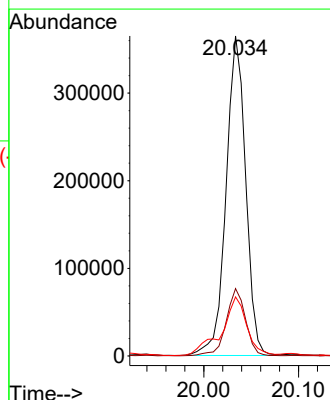
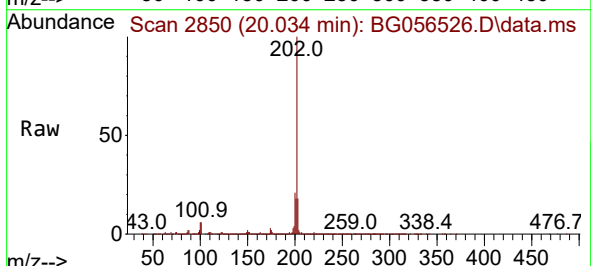
Tgt Ion:202 Resp: 524933

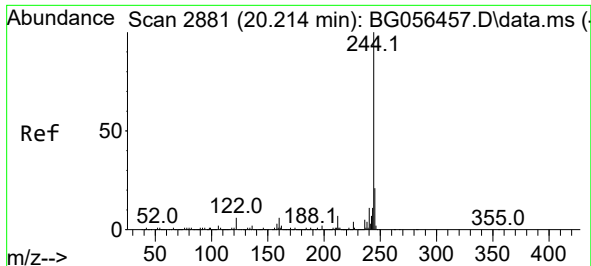
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 18.5 14.4 21.6

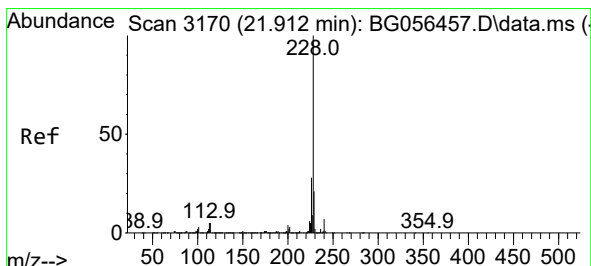
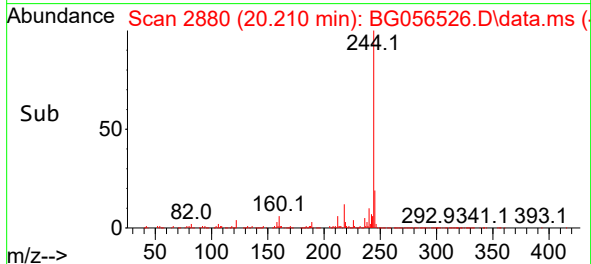
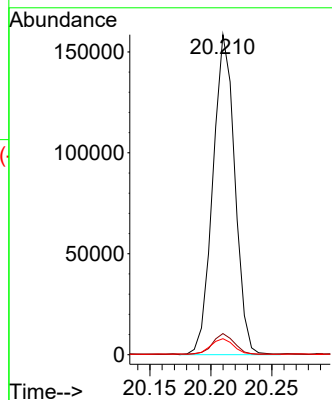
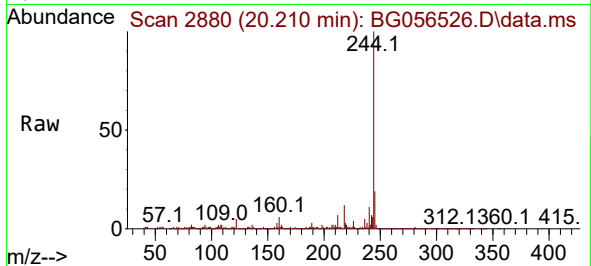




#79
 Terphenyl-d14
 Concen: 11.958 ng
 RT: 20.210 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG056526.D
 Acq: 2 Feb 2023 22:58

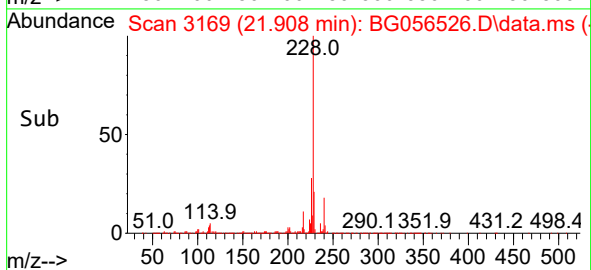
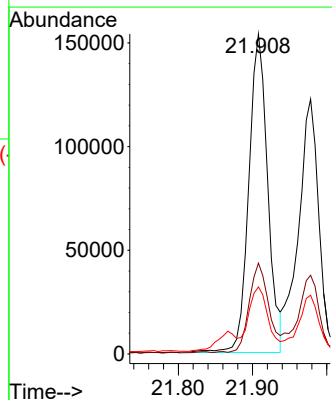
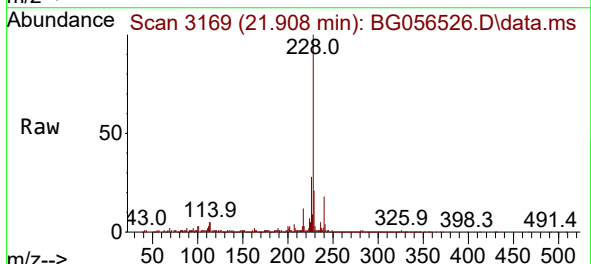
Instrument :
 BNA_G
 ClientSampleId :
 JC-3-13123-ADL

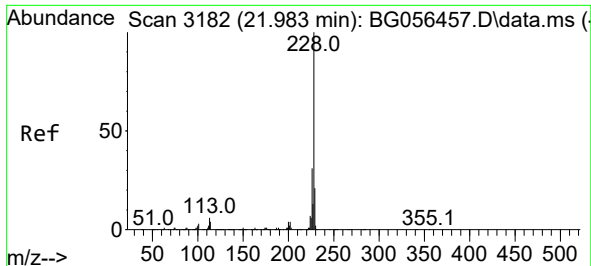
Tgt Ion:244 Resp: 199169
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.5 8.3
 122 5.0 4.4 6.6



#81
 Benzo(a)anthracene
 Concen: 13.305 ng
 RT: 21.908 min Scan# 3169
 Delta R.T. 0.007 min
 Lab File: BG056526.D
 Acq: 2 Feb 2023 22:58

Tgt Ion:228 Resp: 272123
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.4 33.6
 229 20.9 16.5 24.7





#83

Chrysene

Concen: 12.108 ng

RT: 21.978 min Scan# 31

Delta R.T. 0.001 min

Lab File: BG056526.D

Acq: 2 Feb 2023 22:58

Instrument :

BNA_G

ClientSampleId :

JC-3-13123-ADL

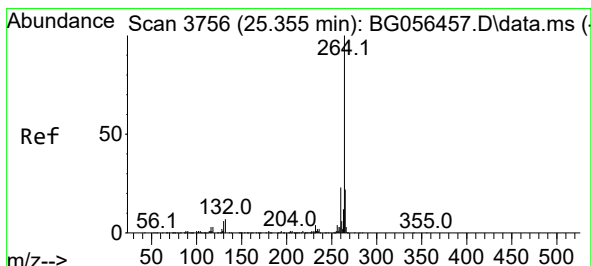
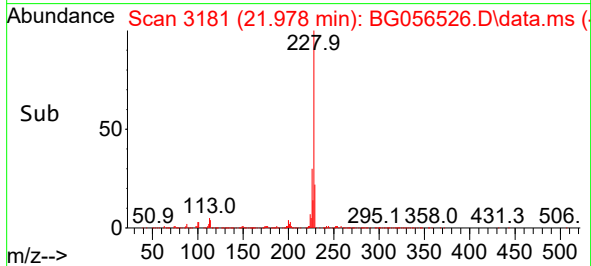
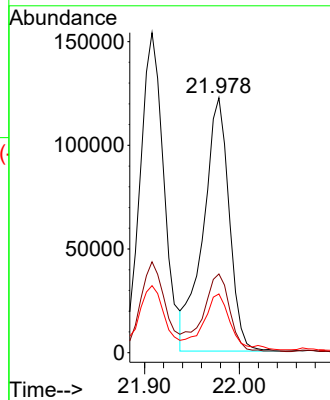
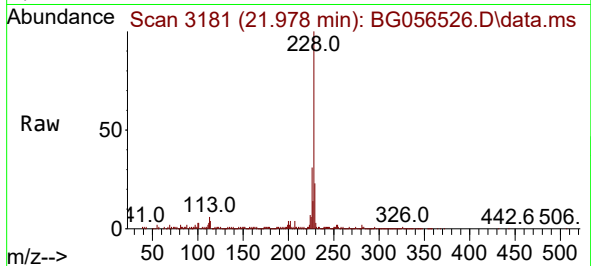
Tgt Ion:228 Resp: 232657

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.4

229 23.0 16.4 24.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.357 min Scan# 3756

Delta R.T. 0.013 min

Lab File: BG056526.D

Acq: 2 Feb 2023 22:58

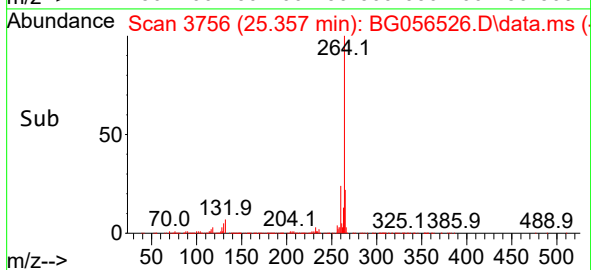
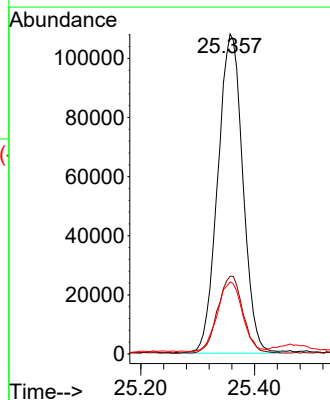
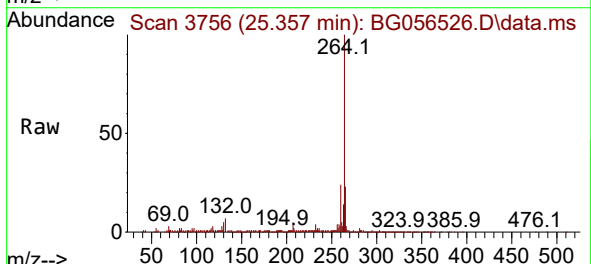
Tgt Ion:264 Resp: 330499

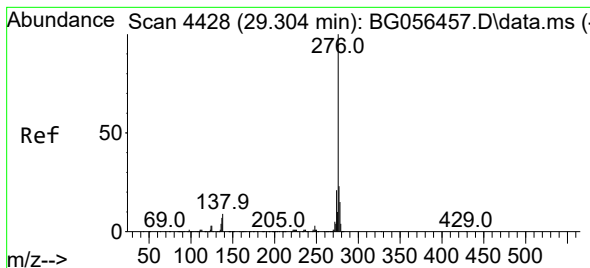
Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.4

265 22.5 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.590 ng

RT: 29.299 min Scan# 4428

Delta R.T. 0.019 min

Lab File: BG056526.D

Acq: 2 Feb 2023 22:58

Instrument :

BNA_G

ClientSampleId :

JC-3-13123-ADL

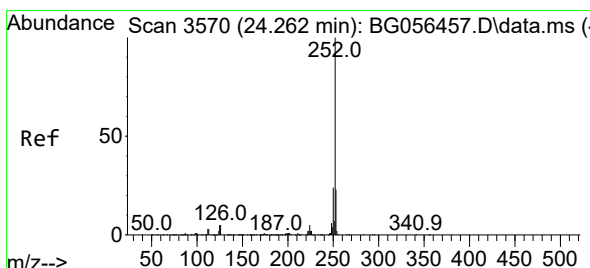
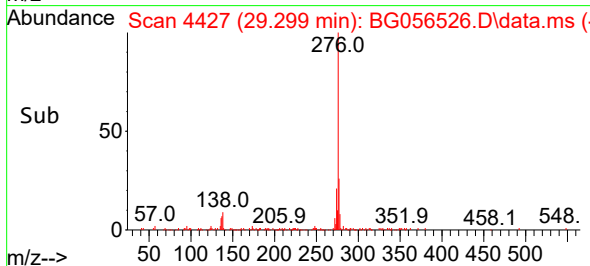
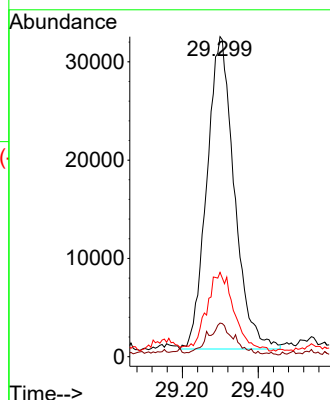
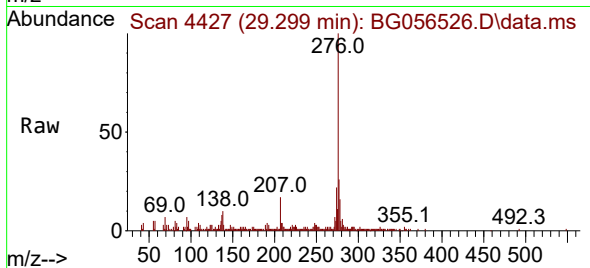
Tgt Ion:276 Resp: 159439

Ion Ratio Lower Upper

276 100

138 8.7 9.4 14.2#

277 23.1 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 16.282 ng

RT: 24.264 min Scan# 3570

Delta R.T. 0.013 min

Lab File: BG056526.D

Acq: 2 Feb 2023 22:58

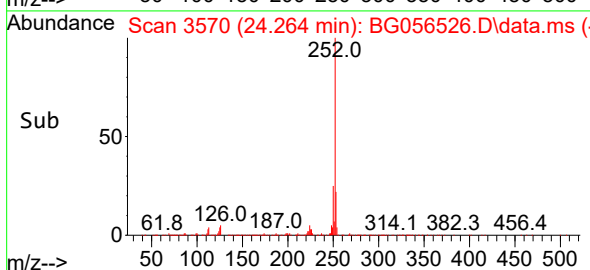
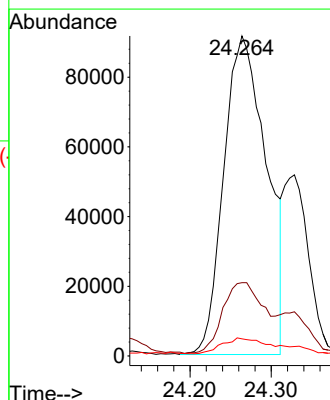
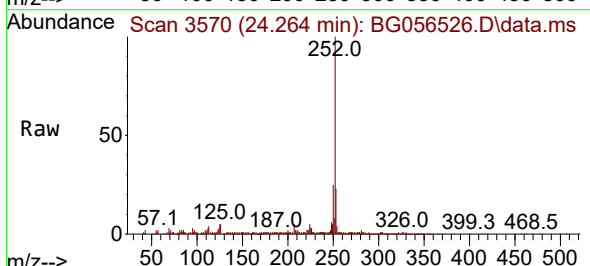
Tgt Ion:252 Resp: 334009

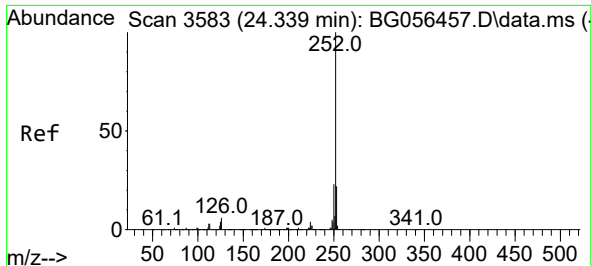
Ion Ratio Lower Upper

252 100

253 22.9 18.1 27.1

125 5.3 3.9 5.9

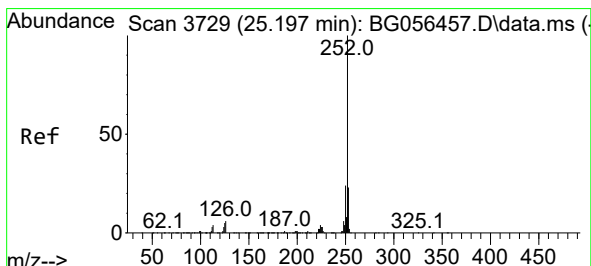
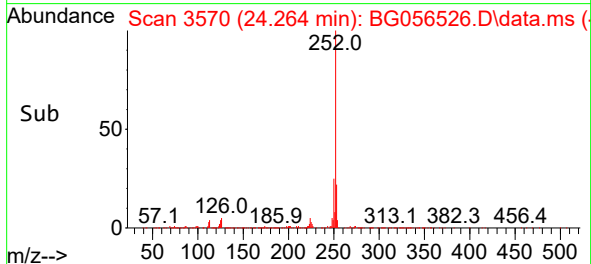
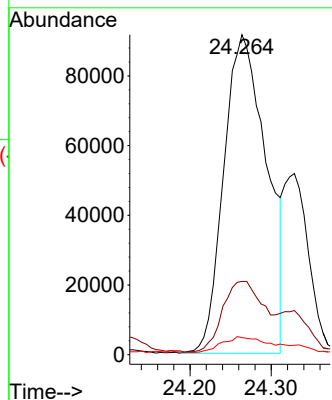
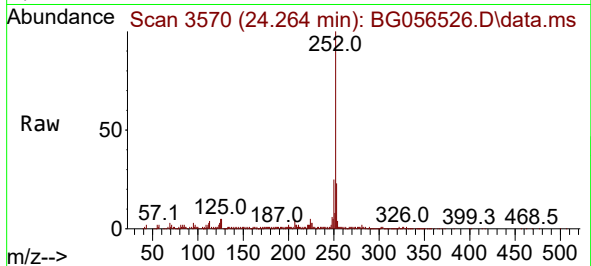




#89
Benzo(k)fluoranthene
Concen: 16.127 ng
RT: 24.264 min Scan# 31
Delta R.T. -0.057 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

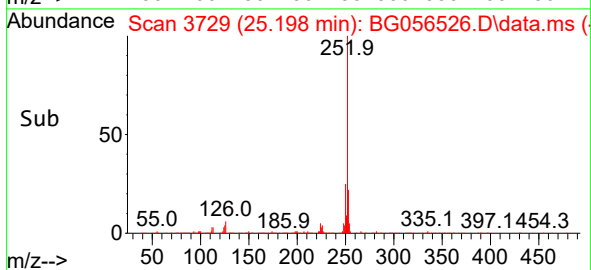
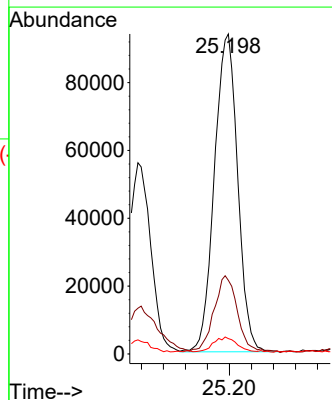
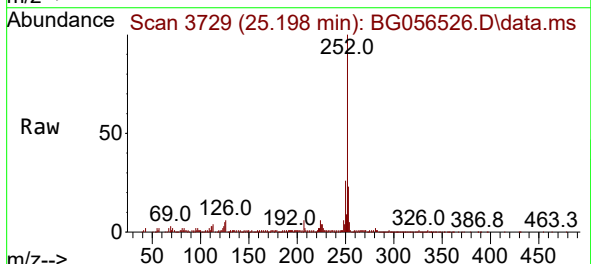
Instrument :
BNA_G
ClientSampleId :
JC-3-13123-ADL

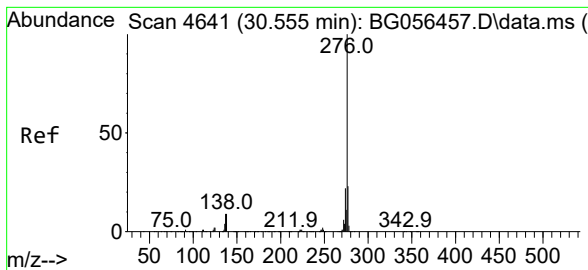
Tgt Ion:252 Resp: 334009
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 5.3 3.4 5.0#



#90
Benzo(a)pyrene
Concen: 13.592 ng
RT: 25.198 min Scan# 3729
Delta R.T. 0.013 min
Lab File: BG056526.D
Acq: 2 Feb 2023 22:58

Tgt Ion:252 Resp: 274652
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 4.8 4.1 6.1





#92
 Benzo(g,h,i)perylene
 Concen: 7.586 ng
 RT: 30.545 min Scan# 4639
 Delta R.T. 0.019 min
 Lab File: BG056526.D
 Acq: 2 Feb 2023 22:58

Instrument :
 BNA_G
 ClientSampleId :
 JC-3-13123-ADL

Tgt Ion:276 Resp: 148636
 Ion Ratio Lower Upper
 276 100
 277 23.6 18.5 27.7
 138 6.9 7.4 11.0#

