

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041723\
 Data File : BG057124.D
 Acq On : 17 Apr 2023 23:57
 Operator : CG/JU
 Sample : 02370-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-04-041423

Quant Time: Apr 18 01:23:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 19:00:08 2023
 Response via : Initial Calibration

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

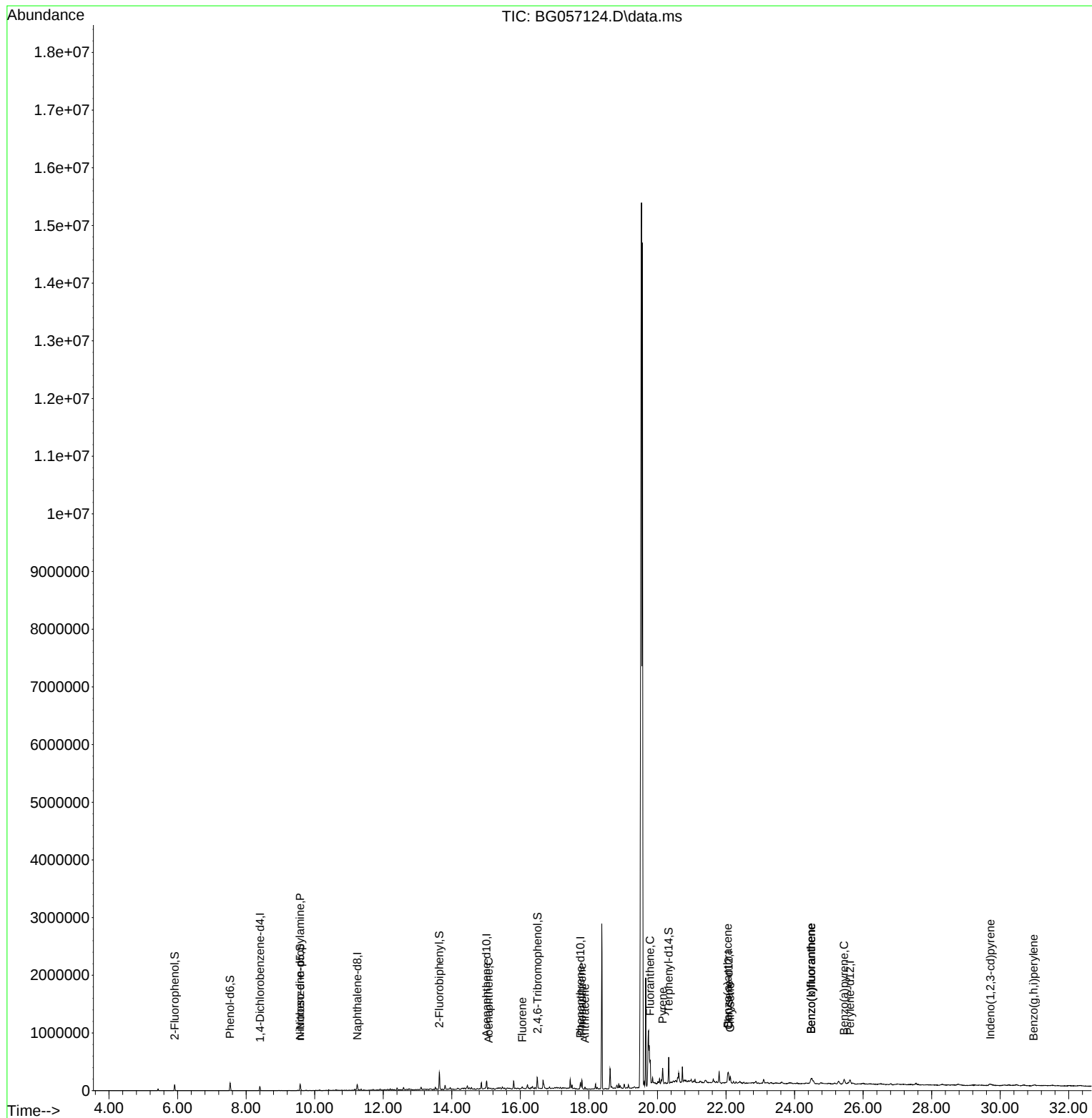
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.402	152	20571	20.000	ng	0.00
21) Naphthalene-d8	11.239	136	78971	20.000	ng	# 0.00
39) Acenaphthene-d10	15.011	164	50142	20.000	ng	0.00
64) Phenanthrene-d10	17.754	188	70305	20.000	ng	0.00
76) Chrysene-d12	22.078	240	83038	20.000	ng	# 0.00
86) Perylene-d12	25.620	264	93526	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.911	112	42102	32.756	ng	0.00
7) Phenol-d6	7.533	99	76573	39.833	ng	0.00
23) Nitrobenzene-d5	9.577	82	68717	35.605	ng	0.00
42) 2,4,6-Tribromophenol	16.497	330	39645	49.492	ng	0.00
45) 2-Fluorobiphenyl	13.636	172	141624	38.300	ng	0.00
79) Terphenyl-d14	20.327	244	204161	41.604	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.571	70	10241	7.448	ng	# 68
52) Acenaphthene	15.075	154	6429	2.090	ng	94
58) Fluorene	16.056	166	11326	2.965	ng	# 97
71) Phenanthrene	17.795	178	89668	25.016	ng	99
72) Anthracene	17.883	178	22342	6.080	ng	99
75) Fluoranthene	19.787	202	175869	38.705	ng	97
78) Pyrene	20.151	202	180937	31.504	ng	97
81) Benzo(a)anthracene	22.054	228	102360	17.813	ng	97
83) Chrysene	22.125	228	87732	16.306	ng	95
87) Indeno(1,2,3-cd)pyrene	29.714	276	42734	6.183	ng	# 55
88) Benzo(b)fluoranthene	24.486	252	113698	19.441	ng	# 92
89) Benzo(k)fluoranthene	24.486	252	113698	19.473	ng	# 89
90) Benzo(a)pyrene	25.450	252	89826	15.630	ng	# 98
92) Benzo(g,h,i)perylene	30.977	276	19538	3.512	ng	# 91

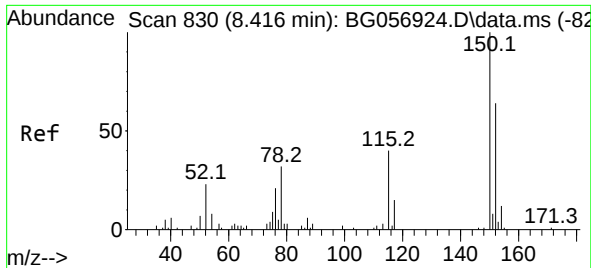
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041723\
Data File : BG057124.D
Acq On : 17 Apr 2023 23:57
Operator : CG/JU
Sample : 02370-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
HR-04-041423

Quant Time: Apr 18 01:23:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 17 19:00:08 2023
Response via : Initial Calibration

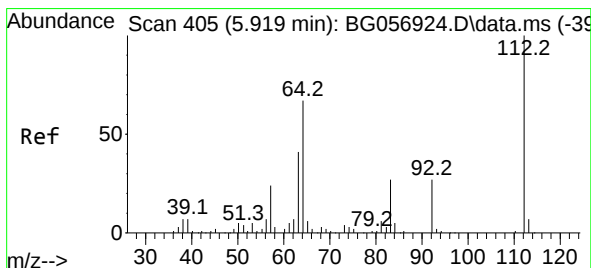
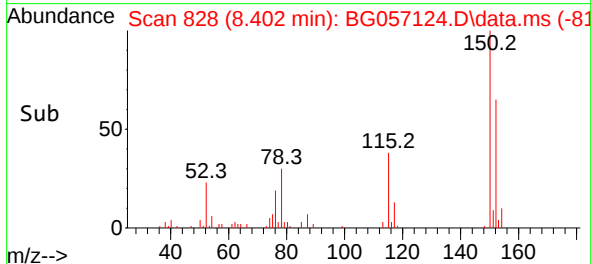
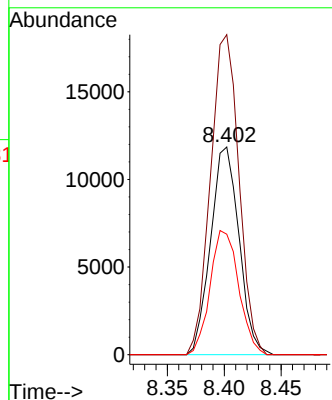
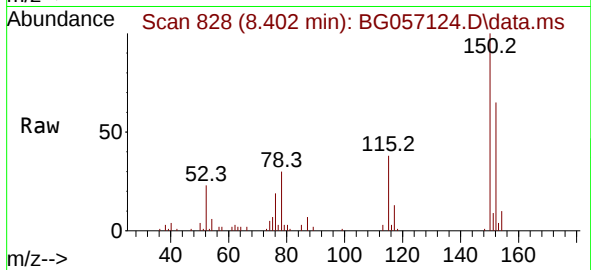




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.402 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

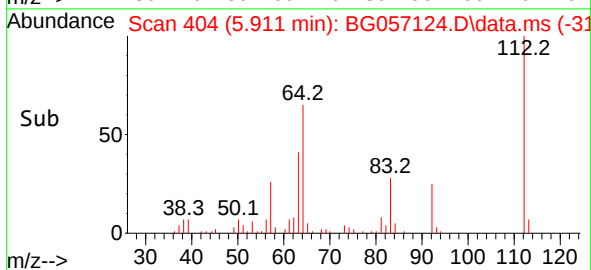
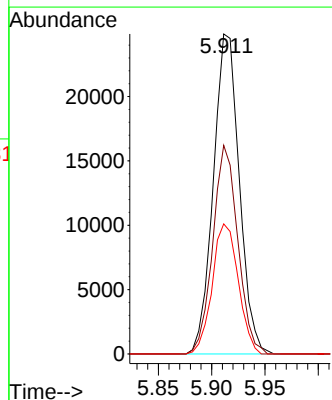
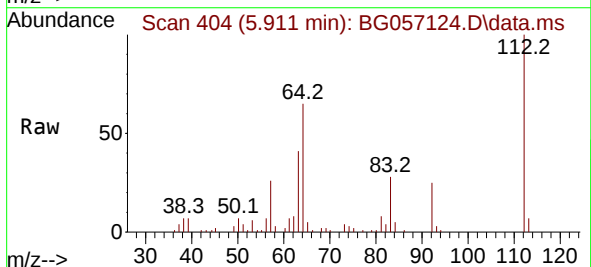
Instrument :
BNA_G
ClientSampleId :
HR-04-041423

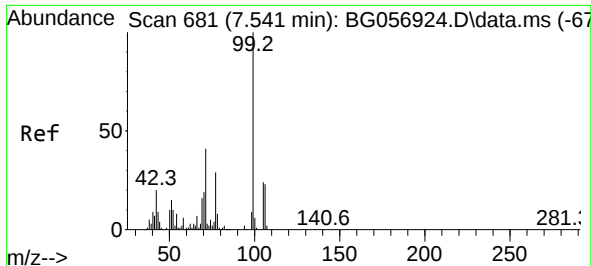
Tgt Ion:152 Resp: 20571
Ion Ratio Lower Upper
152 100
150 154.1 124.1 186.1
115 58.0 49.1 73.7



#5
2-Fluorophenol
Concen: 32.756 ng
RT: 5.911 min Scan# 404
Delta R.T. -0.003 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

Tgt Ion:112 Resp: 42102
Ion Ratio Lower Upper
112 100
64 65.2 53.2 79.8
63 40.7 32.6 48.8

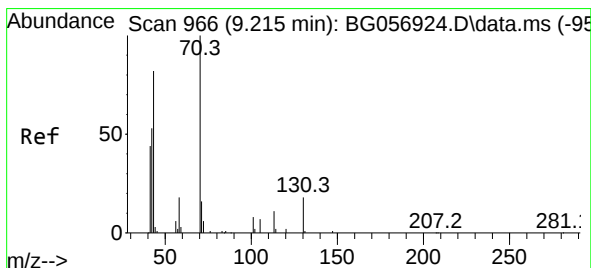
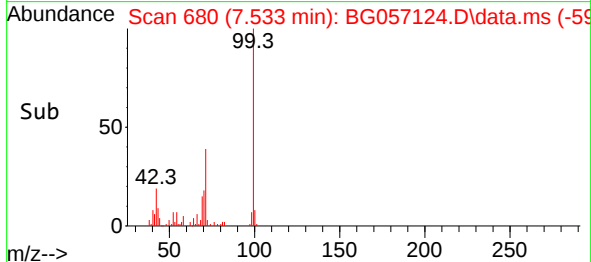
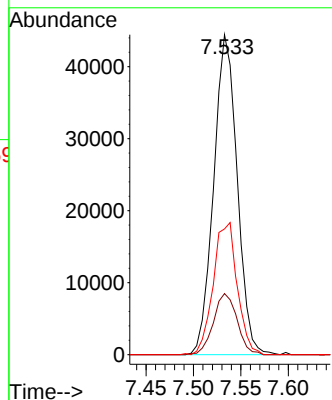
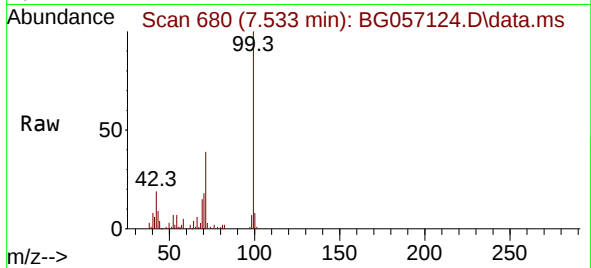




#7
Phenol-d6
Concen: 39.833 ng
RT: 7.533 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

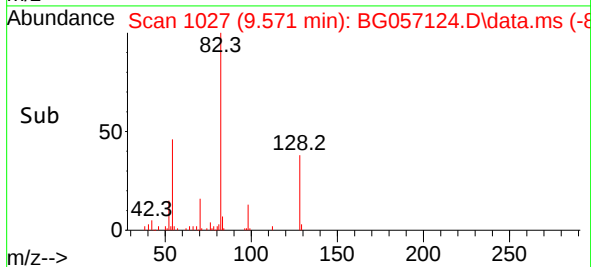
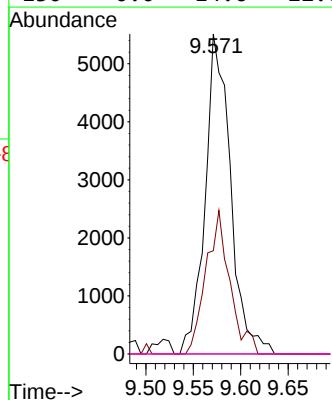
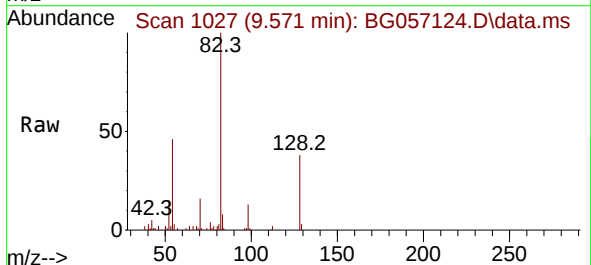
Instrument :
BNA_G
ClientSampleId :
HR-04-041423

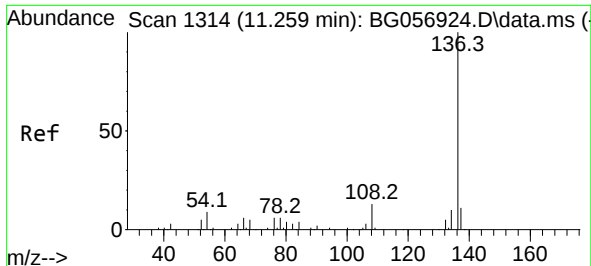
Tgt Ion: 99 Resp: 76573
Ion Ratio Lower Upper
99 100
42 19.1 15.7 23.5
71 39.3 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 7.448 ng
RT: 9.571 min Scan# 1027
Delta R.T. 0.361 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

Tgt Ion: 70 Resp: 10241
Ion Ratio Lower Upper
70 100
42 32.2 43.4 65.0#
101 0.0 6.2 9.2#
130 0.0 14.6 22.0#

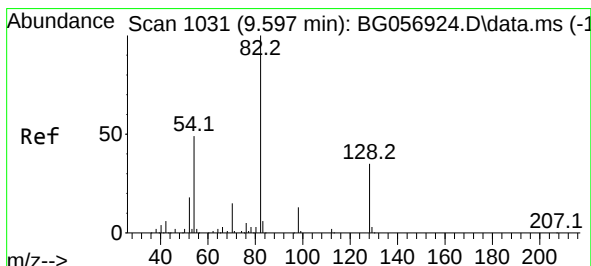
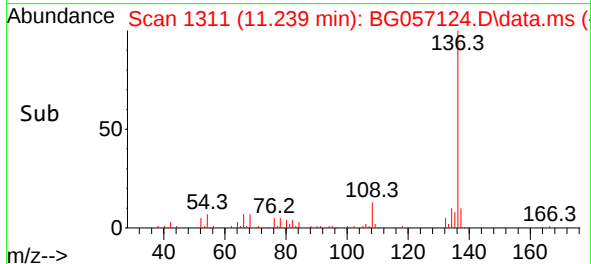
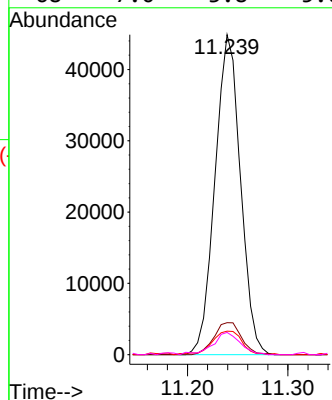
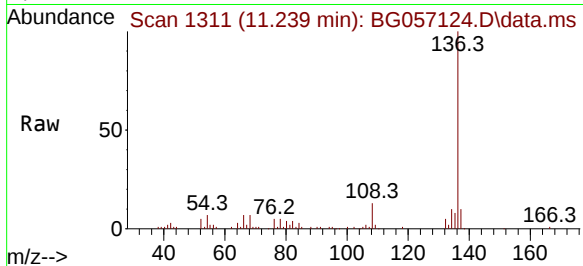




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.239 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

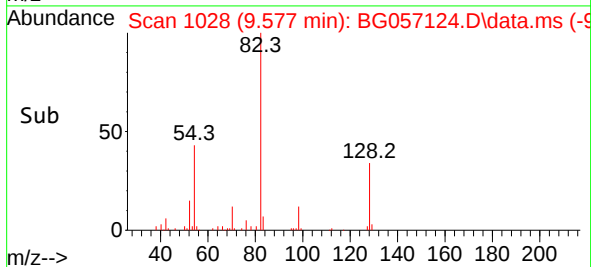
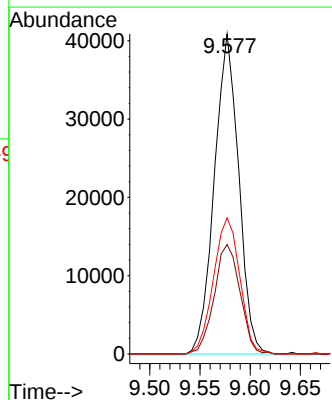
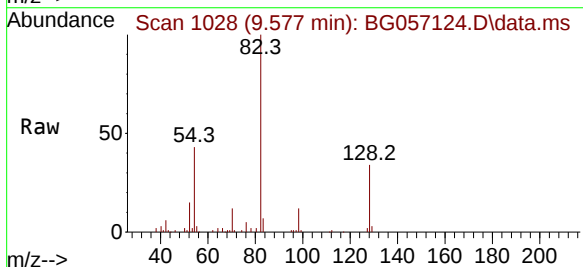
Instrument :
BNA_G
ClientSampleId :
HR-04-041423

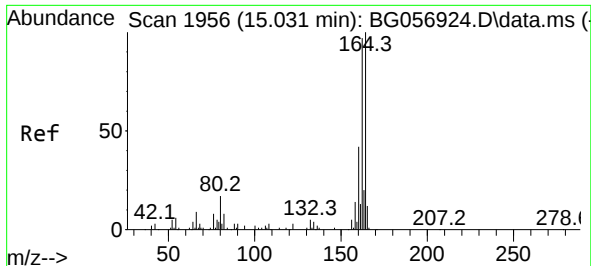
Tgt Ion:	136	Resp:	78971
Ion	Ratio	Lower	Upper
136	100		
137	10.0	8.6	13.0
54	7.3	6.9	10.3
68	7.0	3.8	5.6



#23
Nitrobenzene-d5
Concen: 35.605 ng
RT: 9.577 min Scan# 1028
Delta R.T. -0.009 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

Tgt Ion:	82	Resp:	68717
Ion	Ratio	Lower	Upper
82	100		
128	34.2	27.9	41.9
54	42.6	39.4	59.2

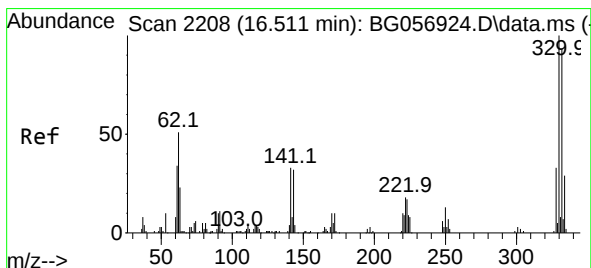
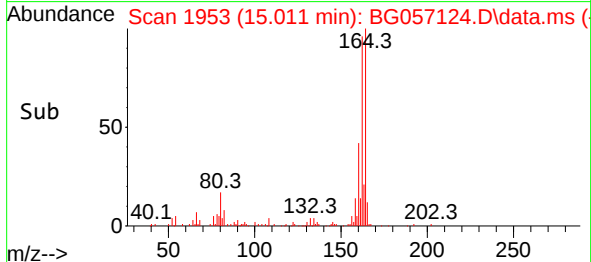
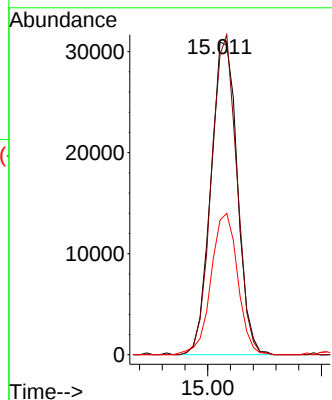
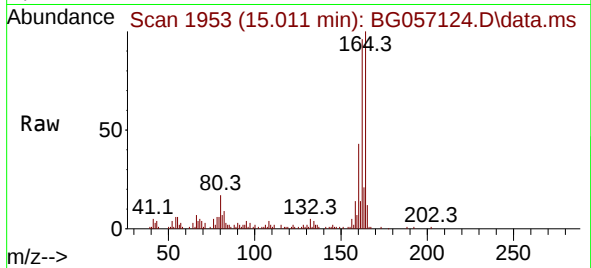




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.011 min Scan# 1953
Delta R.T. -0.009 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

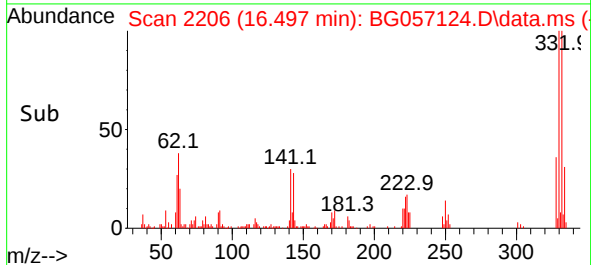
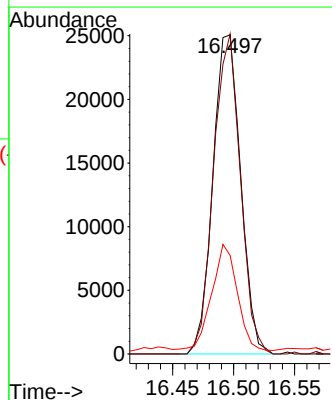
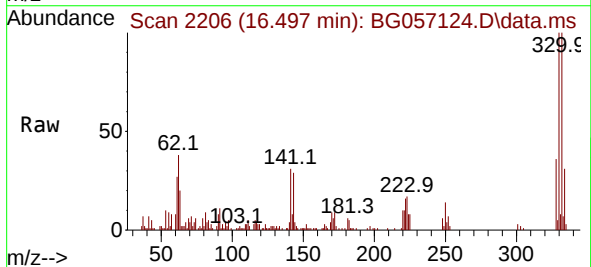
Instrument :
BNA_G
ClientSampleId :
HR-04-041423

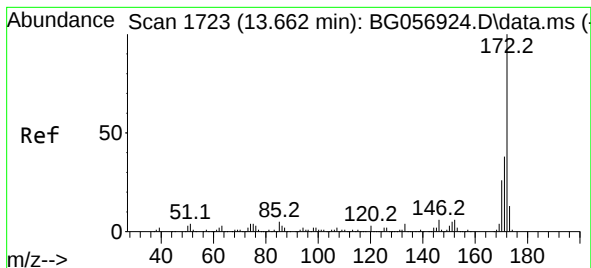
Tgt Ion:164 Resp: 50142
Ion Ratio Lower Upper
164 100
162 95.9 77.8 116.8
160 43.0 33.5 50.3



#42
2,4,6-Tribromophenol
Concen: 49.492 ng
RT: 16.497 min Scan# 2206
Delta R.T. -0.003 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

Tgt Ion:330 Resp: 39645
Ion Ratio Lower Upper
330 100
332 96.7 76.1 114.1
141 30.9 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 38.300 ng

RT: 13.636 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG057124.D

Acq: 17 Apr 2023 23:57

Instrument :

BNA_G

ClientSampleId :

HR-04-041423

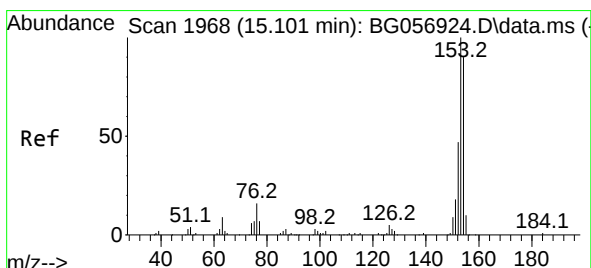
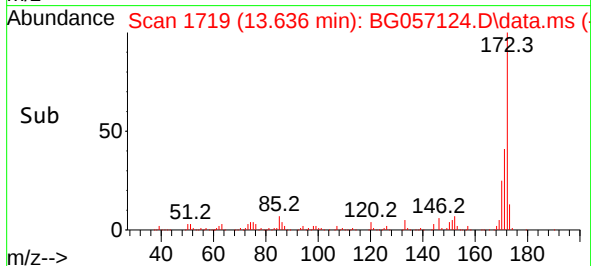
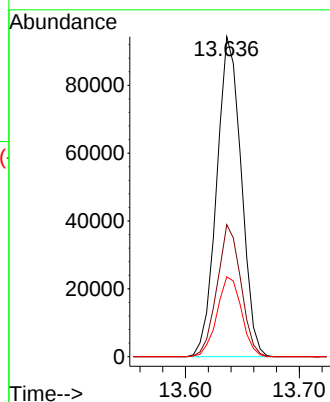
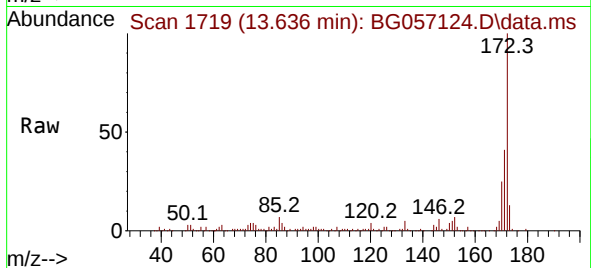
Tgt Ion:172 Resp: 141624

Ion Ratio Lower Upper

172 100

171 41.3 30.6 46.0

170 25.0 20.6 30.8



#52

Acenaphthene

Concen: 2.090 ng

RT: 15.075 min Scan# 1964

Delta R.T. -0.009 min

Lab File: BG057124.D

Acq: 17 Apr 2023 23:57

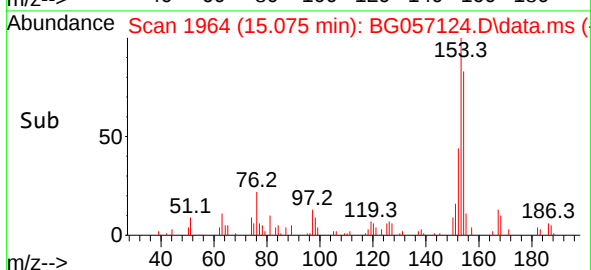
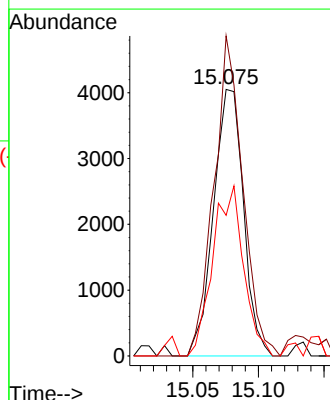
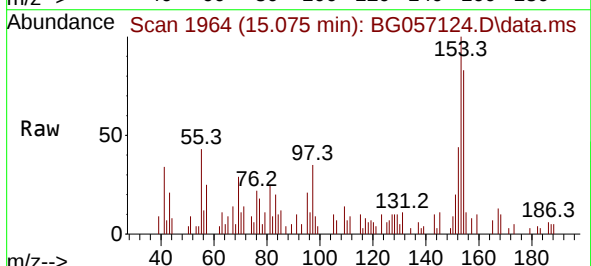
Tgt Ion:154 Resp: 6429

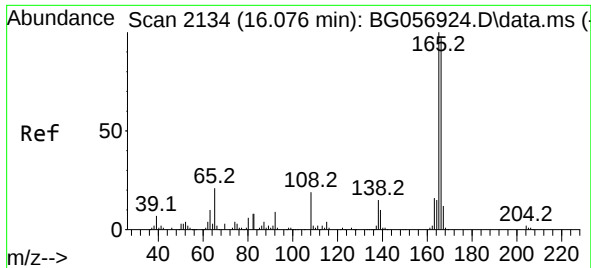
Ion Ratio Lower Upper

154 100

153 120.0 88.9 133.3

152 52.8 41.8 62.8

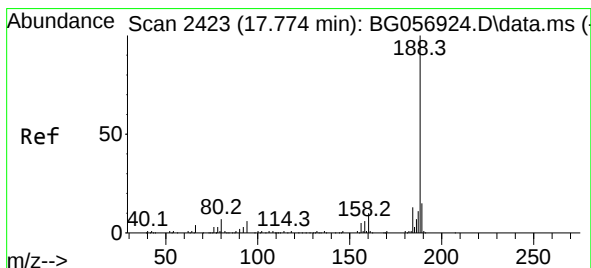
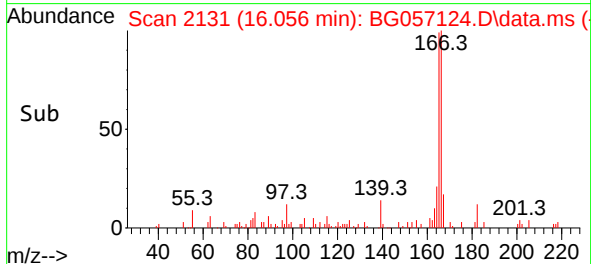
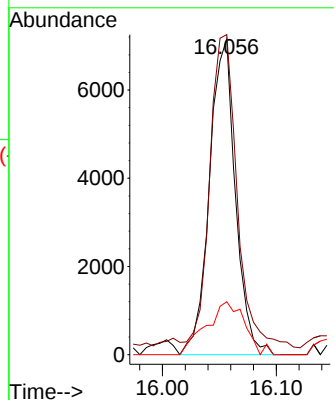
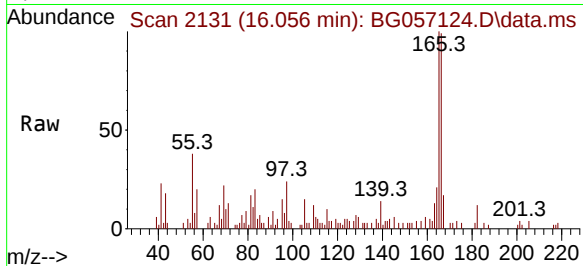




#58
 Fluorene
 Concen: 2.965 ng
 RT: 16.056 min Scan# 2134
 Delta R.T. -0.003 min
 Lab File: BG057124.D
 Acq: 17 Apr 2023 23:57

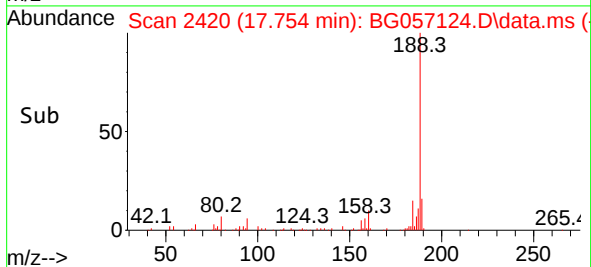
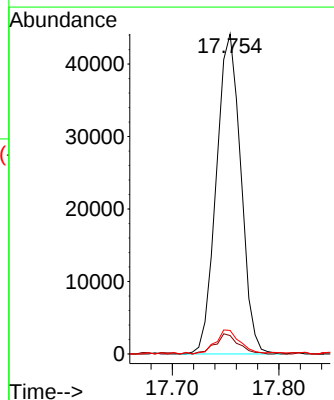
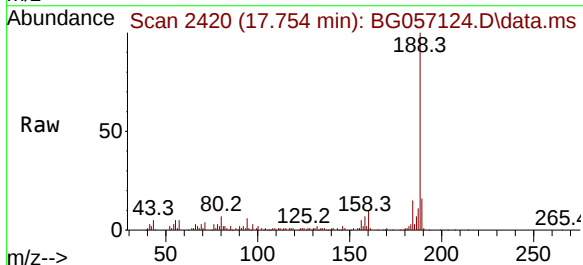
Instrument :
 BNA_G
 ClientSampleId :
 HR-04-041423

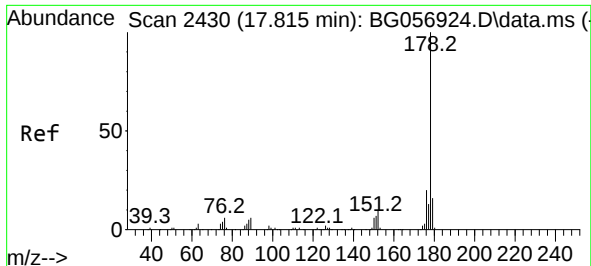
Tgt Ion:166 Resp: 11326
 Ion Ratio Lower Upper
 166 100
 165 101.3 82.6 123.8
 167 16.8 10.2 15.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.754 min Scan# 2420
 Delta R.T. -0.009 min
 Lab File: BG057124.D
 Acq: 17 Apr 2023 23:57

Tgt Ion:188 Resp: 70305
 Ion Ratio Lower Upper
 188 100
 94 5.8 4.6 6.8
 80 7.4 5.5 8.3

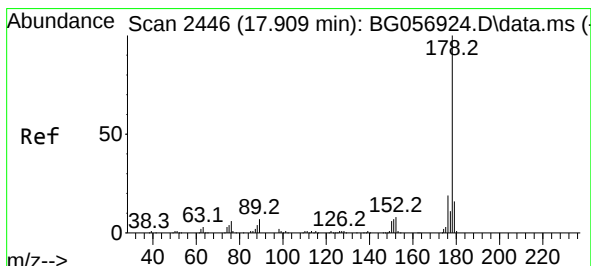
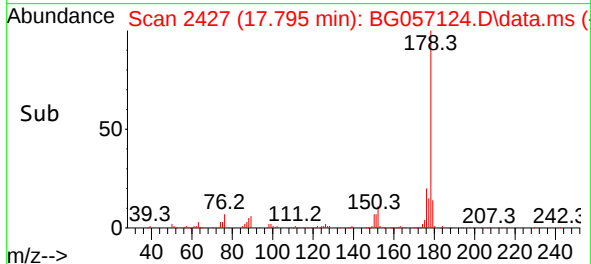
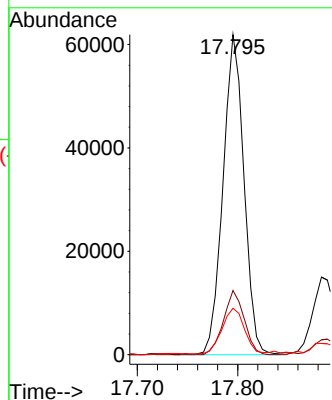
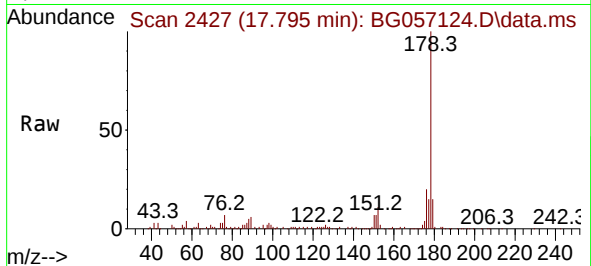




#71
Phenanthrene
Concen: 25.016 ng
RT: 17.795 min Scan# 2430
Delta R.T. -0.009 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

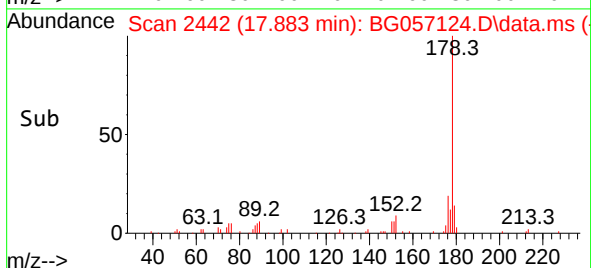
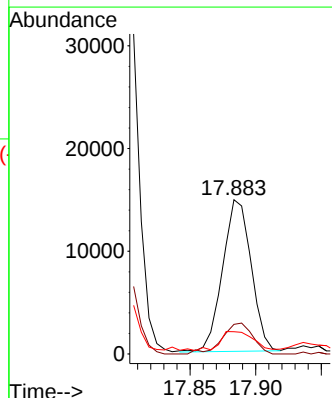
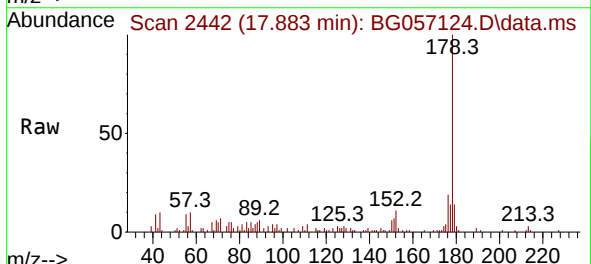
Instrument :
BNA_G
ClientSampleId :
HR-04-041423

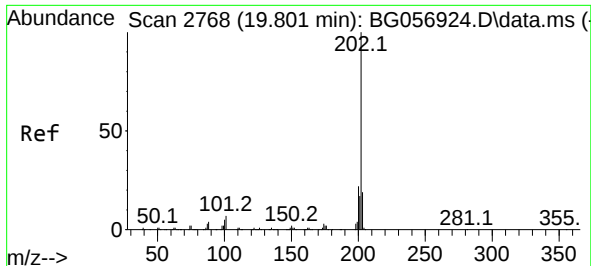
Tgt Ion:178 Resp: 89668
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.2
179 14.5 12.5 18.7



#72
Anthracene
Concen: 6.080 ng
RT: 17.883 min Scan# 2442
Delta R.T. -0.009 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

Tgt Ion:178 Resp: 22342
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 14.5 12.4 18.6

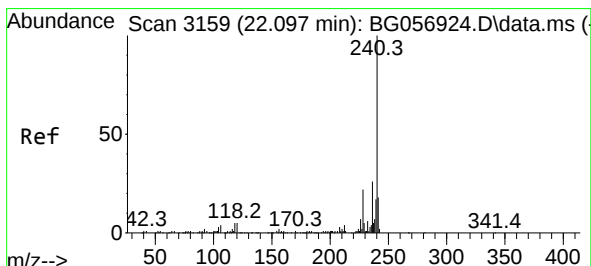
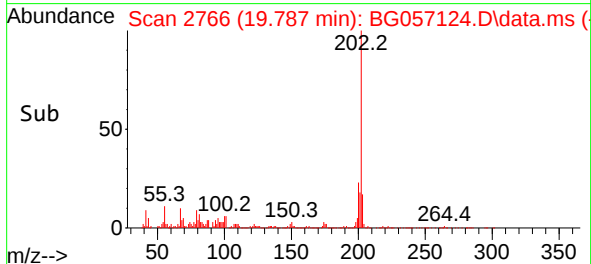
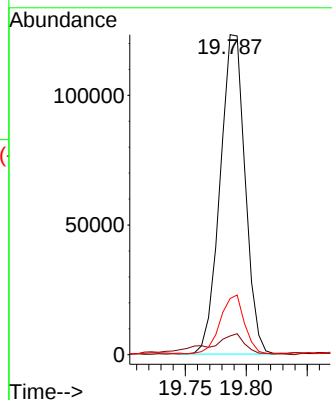
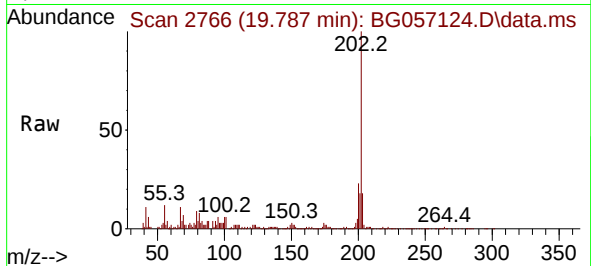




#75
Fluoranthene
Concen: 38.705 ng
RT: 19.787 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

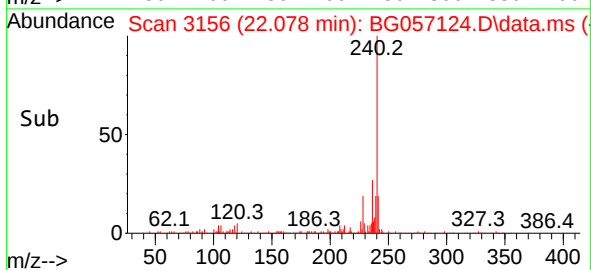
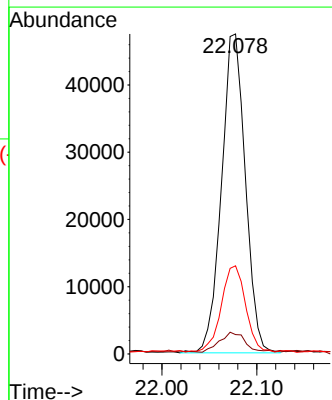
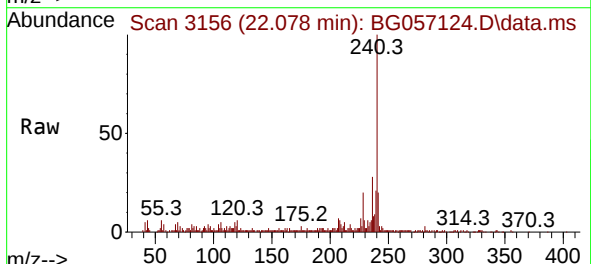
Instrument :
BNA_G
ClientSampleId :
HR-04-041423

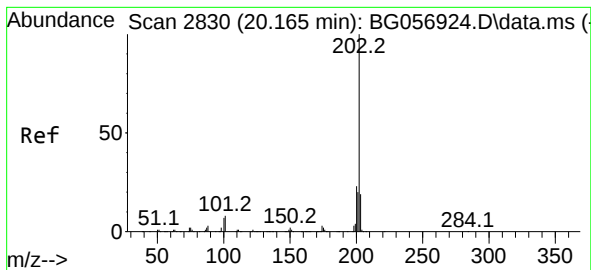
Tgt Ion:202 Resp: 175869
Ion Ratio Lower Upper
202 100
101 5.8 0.0 26.7
203 17.6 0.0 39.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.078 min Scan# 3156
Delta R.T. -0.003 min
Lab File: BG057124.D
Acq: 17 Apr 2023 23:57

Tgt Ion:240 Resp: 83038
Ion Ratio Lower Upper
240 100
120 6.1 3.8 5.6#
236 27.6 21.0 31.6





#78

Pyrene

Concen: 31.504 ng

RT: 20.151 min Scan# 2828

Delta R.T. 0.003 min

Lab File: BG057124.D

Acq: 17 Apr 2023 23:57

Instrument :

BNA_G

ClientSampleId :

HR-04-041423

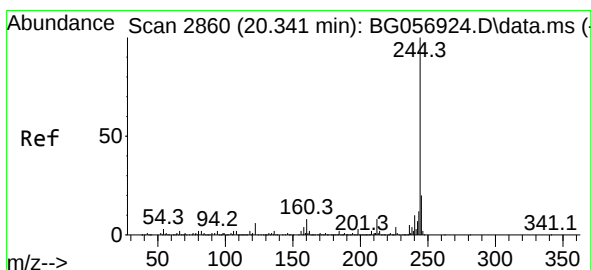
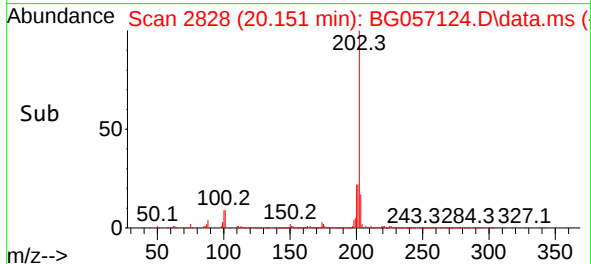
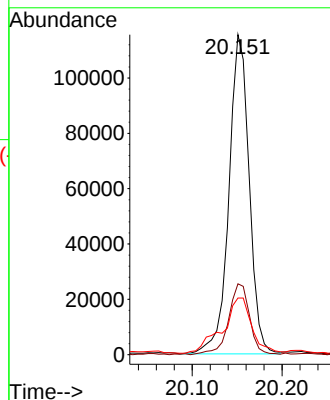
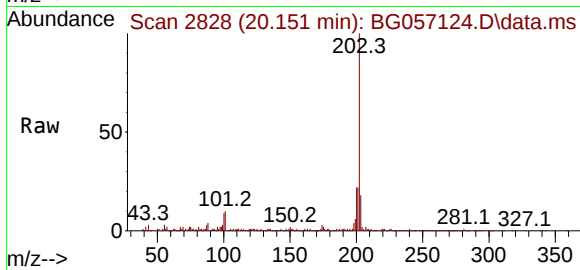
Tgt Ion:202 Resp: 180937

Ion Ratio Lower Upper

202 100

200 22.2 18.7 28.1

203 17.7 15.4 23.2



#79

Terphenyl-d14

Concen: 41.604 ng

RT: 20.327 min Scan# 2858

Delta R.T. 0.003 min

Lab File: BG057124.D

Acq: 17 Apr 2023 23:57

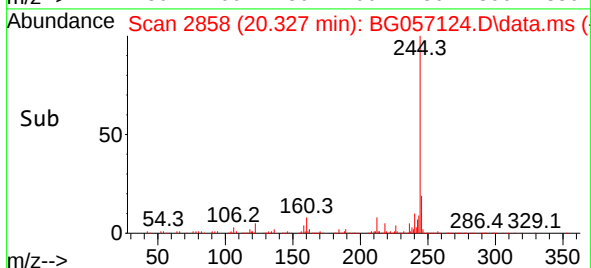
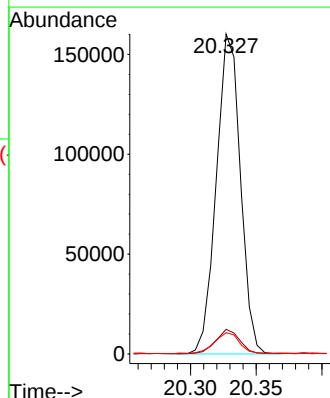
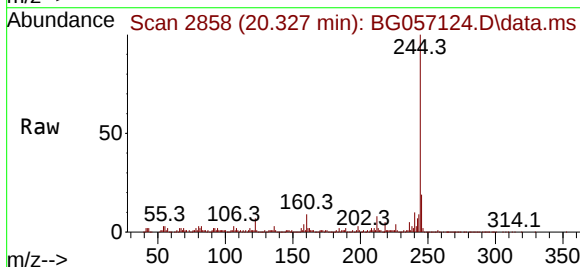
Tgt Ion:244 Resp: 204161

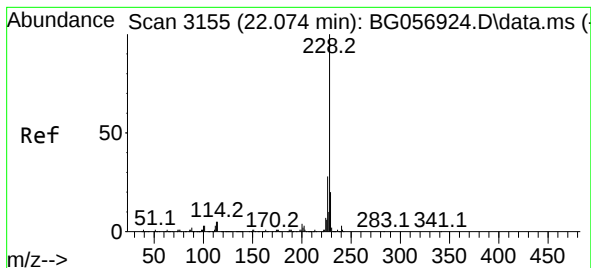
Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

122 6.7 5.0 7.4





#81

Benzo(a)anthracene

Concen: 17.813 ng

RT: 22.054 min Scan# 3152

Delta R.T. -0.003 min

Lab File: BG057124.D

Acq: 17 Apr 2023 23:57

Instrument :

BNA_G

ClientSampleId :

HR-04-041423

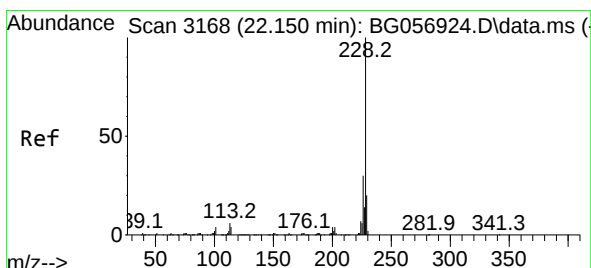
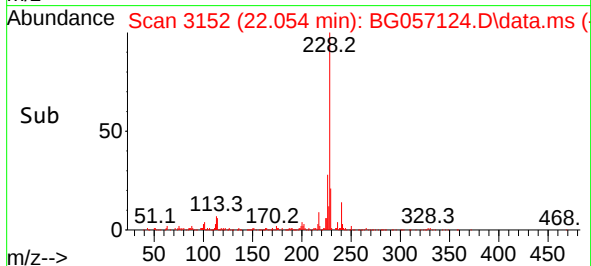
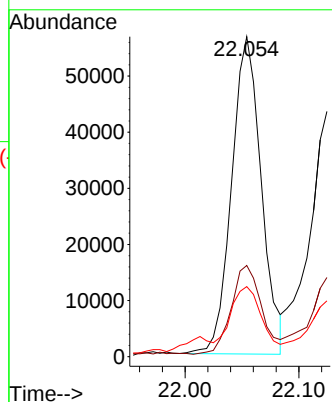
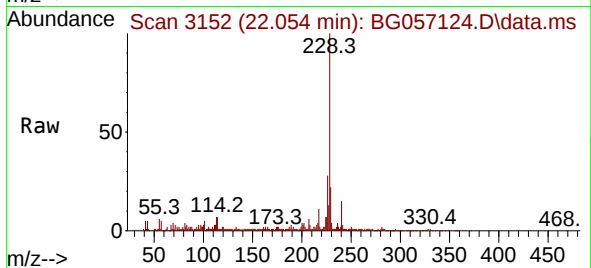
Tgt Ion:228 Resp: 102360

Ion Ratio Lower Upper

228 100

226 28.5 22.1 33.1

229 21.9 16.1 24.1



#83

Chrysene

Concen: 16.306 ng

RT: 22.125 min Scan# 3164

Delta R.T. -0.003 min

Lab File: BG057124.D

Acq: 17 Apr 2023 23:57

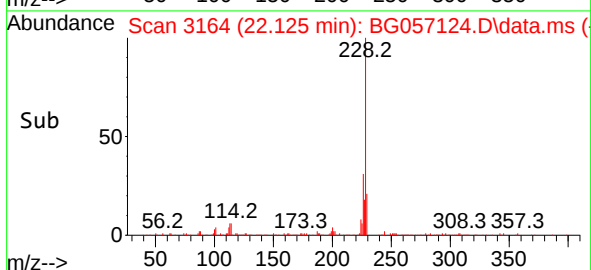
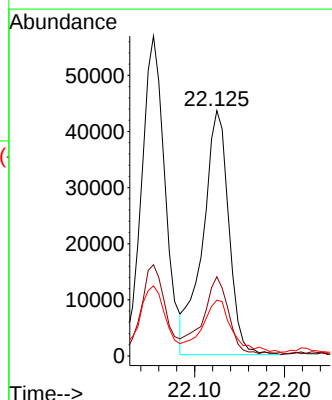
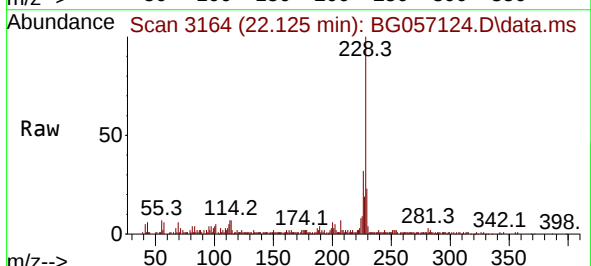
Tgt Ion:228 Resp: 87732

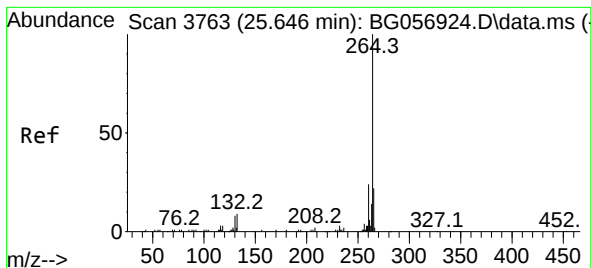
Ion Ratio Lower Upper

228 100

226 32.3 24.1 36.1

229 22.8 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.620 min Scan# 31

Delta R.T. 0.009 min

Lab File: BG057124.D

Acq: 17 Apr 2023 23:57

Instrument :

BNA_G

ClientSampleId :

HR-04-041423

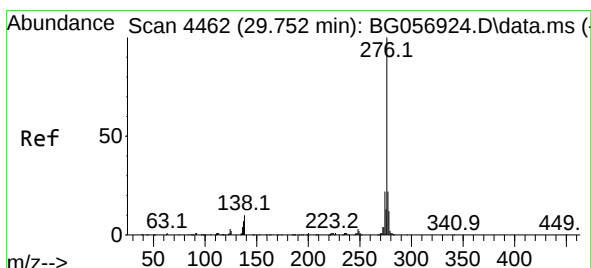
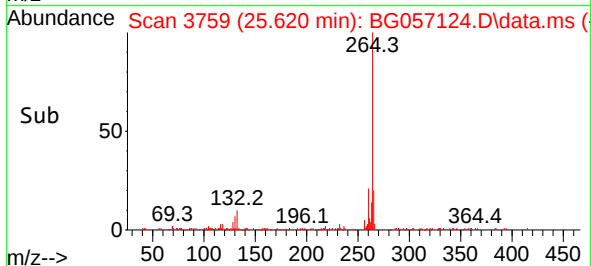
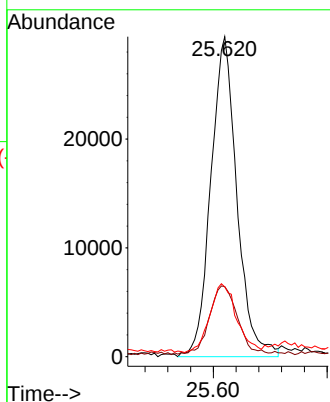
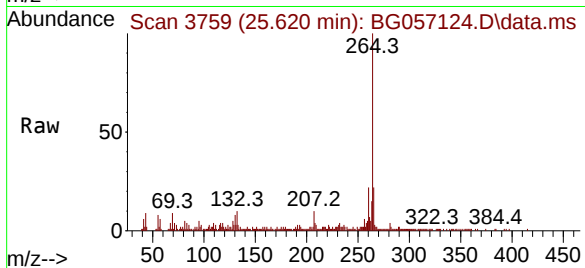
Tgt Ion:264 Resp: 93526

Ion Ratio Lower Upper

264 100

260 21.9 19.0 28.4

265 21.8 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.183 ng

RT: 29.714 min Scan# 4456

Delta R.T. 0.003 min

Lab File: BG057124.D

Acq: 17 Apr 2023 23:57

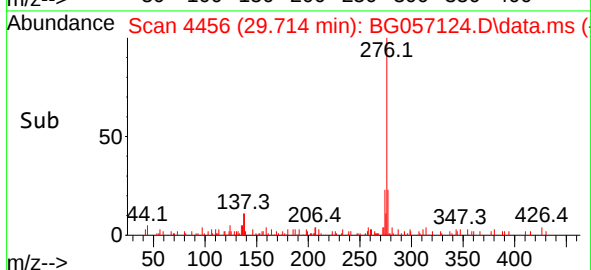
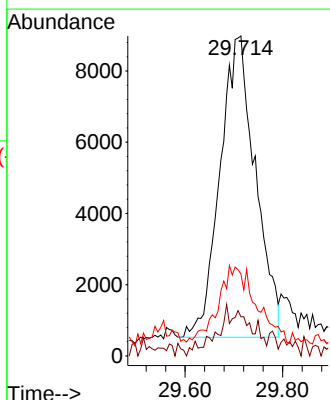
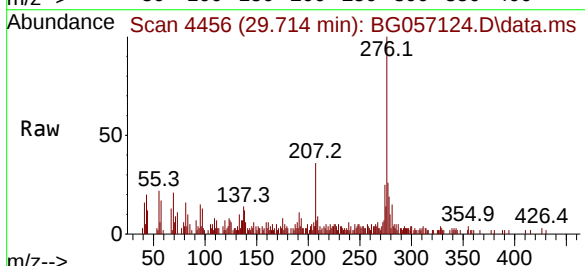
Tgt Ion:276 Resp: 42734

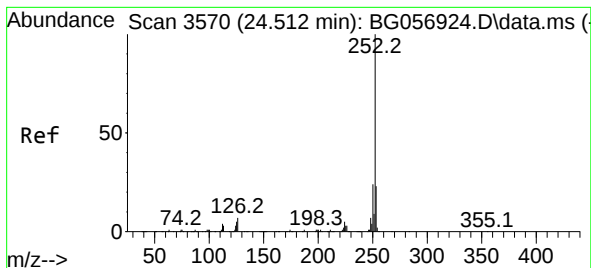
Ion Ratio Lower Upper

276 100

138 0.0 7.7 11.5#

277 0.0 21.0 31.4#





#88

Benzo(b)fluoranthene

Concen: 19.441 ng

RT: 24.486 min Scan# 3566

Delta R.T. 0.003 min

Lab File: BG057124.D

Acq: 17 Apr 2023 23:57

Instrument :

BNA_G

ClientSampleId :

HR-04-041423

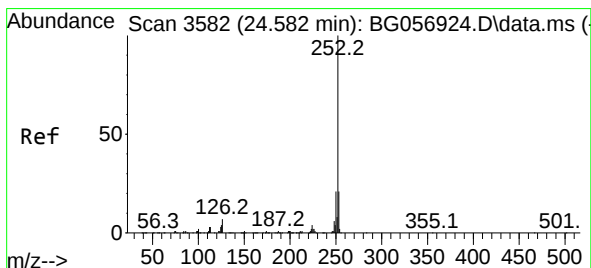
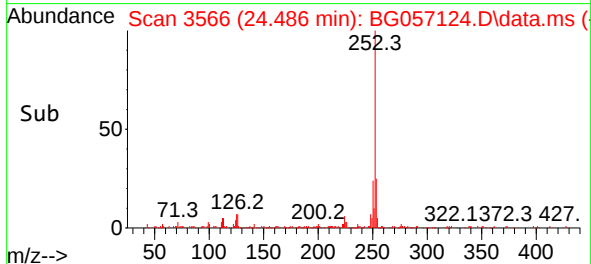
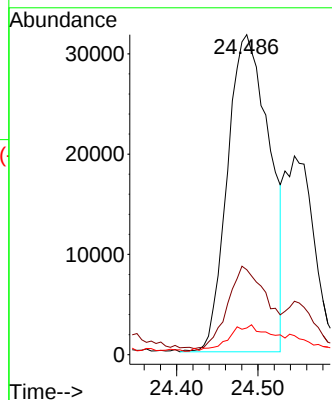
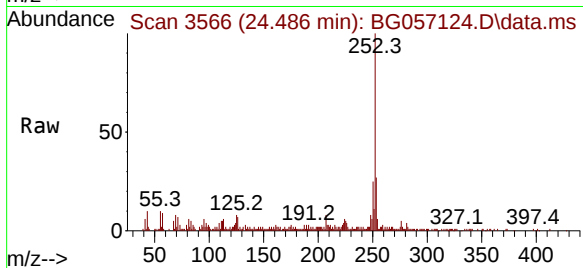
Tgt Ion:252 Resp: 113698

Ion Ratio Lower Upper

252 100

253 26.6 18.1 27.1

125 8.3 4.2 6.4#



#89

Benzo(k)fluoranthene

Concen: 19.473 ng

RT: 24.486 min Scan# 3566

Delta R.T. -0.074 min

Lab File: BG057124.D

Acq: 17 Apr 2023 23:57

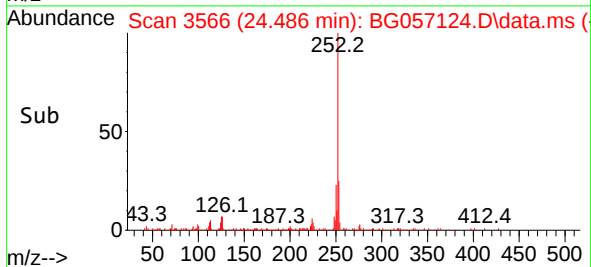
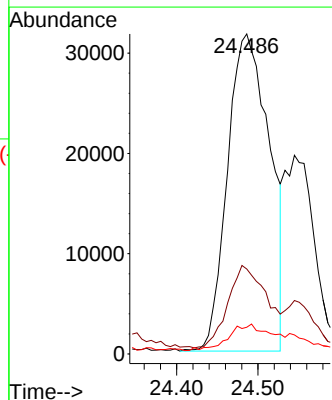
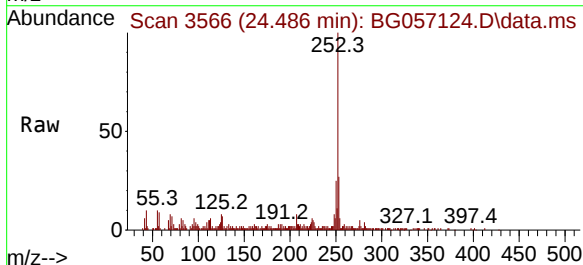
Tgt Ion:252 Resp: 113698

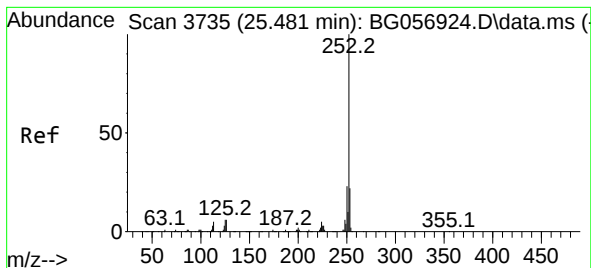
Ion Ratio Lower Upper

252 100

253 26.6 17.1 25.7#

125 8.3 3.8 5.6#





#90

Benzo(a)pyrene

Concen: 15.630 ng

RT: 25.450 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG057124.D

Acq: 17 Apr 2023 23:57

Instrument :

BNA_G

ClientSampleId :

HR-04-041423

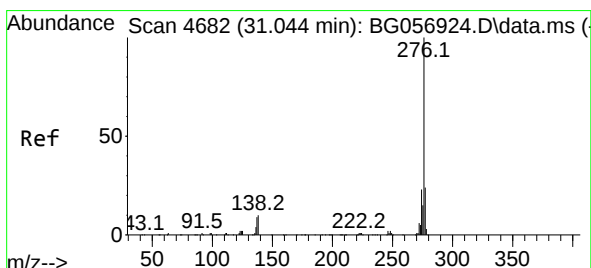
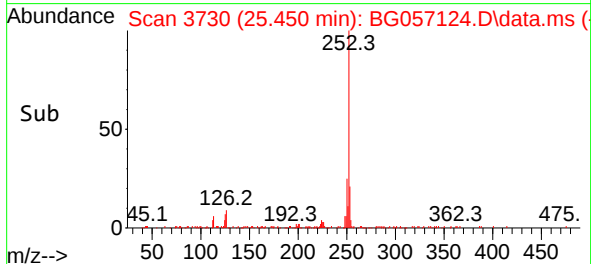
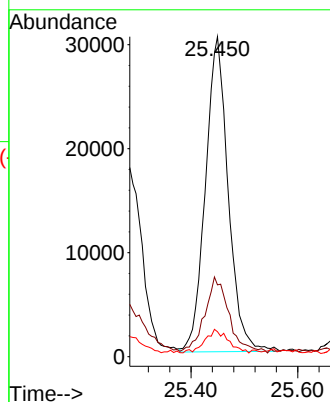
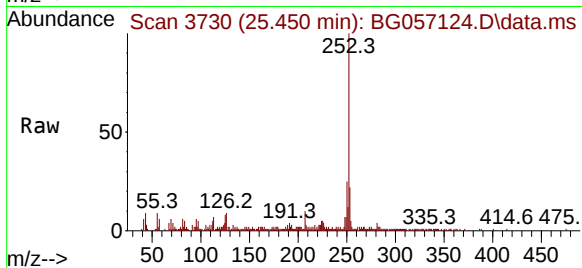
Tgt Ion:252 Resp: 89826

Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

125 7.8 4.5 6.7#



#92

Benzo(g,h,i)perylene

Concen: 3.512 ng

RT: 30.977 min Scan# 4671

Delta R.T. -0.015 min

Lab File: BG057124.D

Acq: 17 Apr 2023 23:57

Tgt Ion:276 Resp: 19538

Ion Ratio Lower Upper

276 100

277 29.5 19.1 28.7#

138 11.8 8.2 12.2

