

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031924\
 Data File : BG060682.D
 Acq On : 19 Mar 2024 15:29
 Operator : MA/JU
 Sample : P1786-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-15

Quant Time: Mar 19 16:02:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 18 14:26:31 2024
 Response via : Initial Calibration

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

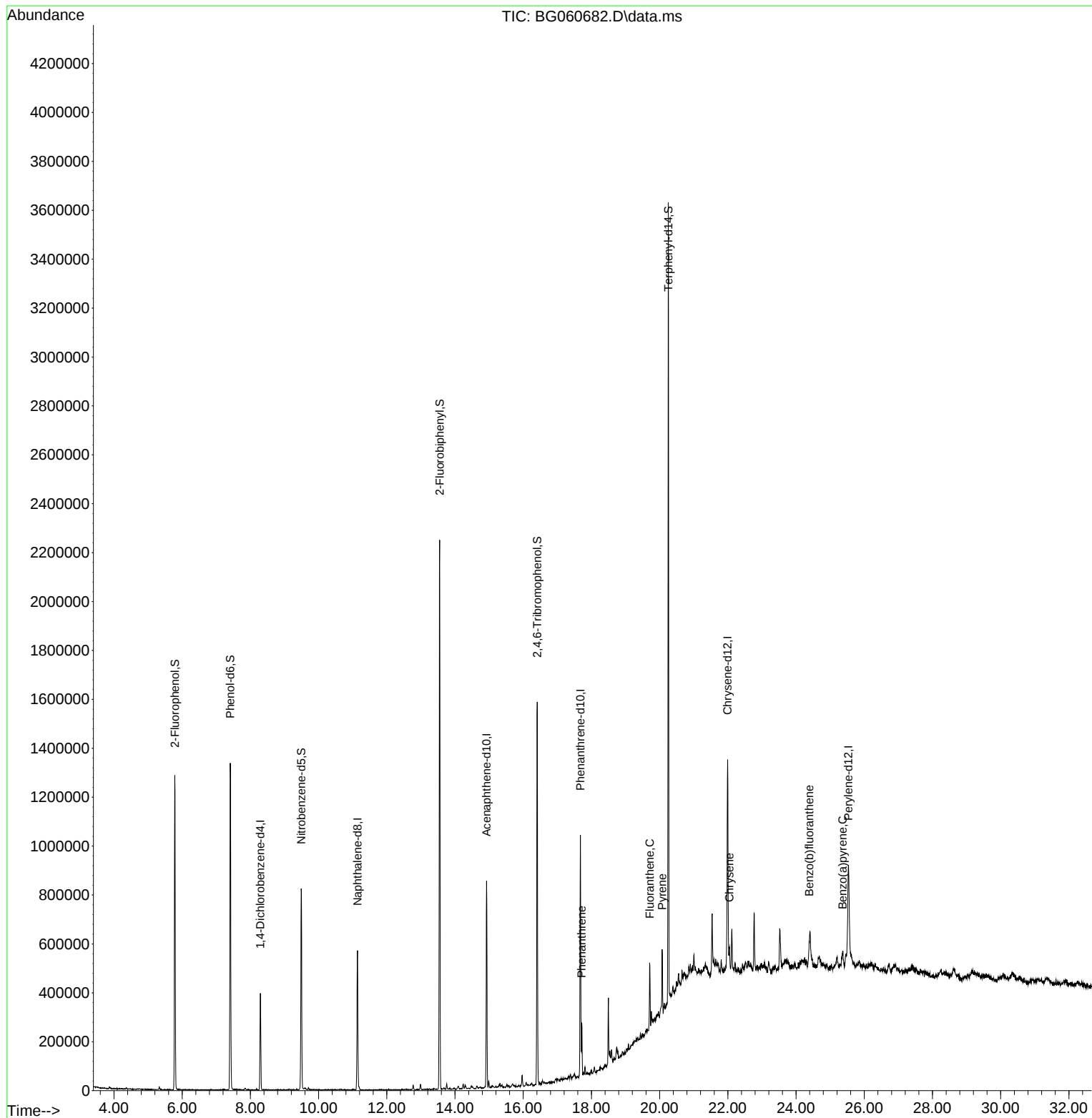
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.291	152	110148	20.000	ng	0.00
21) Naphthalene-d8	11.141	136	471881	20.000	ng	0.00
39) Acenaphthene-d10	14.925	164	303688	20.000	ng	0.00
64) Phenanthrene-d10	17.674	188	605122	20.000	ng	0.00
76) Chrysene-d12	21.993	240	545209	20.000	ng	0.00
86) Perylene-d12	25.536	264	649731	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.788	112	546562	78.003	ng	0.00
7) Phenol-d6	7.410	99	782322	76.968	ng	0.00
23) Nitrobenzene-d5	9.490	82	485279	53.521	ng	0.00
42) 2,4,6-Tribromophenol	16.411	330	299369	85.069	ng	0.00
45) 2-Fluorobiphenyl	13.550	172	1160798	51.680	ng	0.00
79) Terphenyl-d14	20.254	244	1555458	51.568	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.716	178	131384	4.031	ng	98
75) Fluoranthene	19.707	202	167790	4.654	ng	98
78) Pyrene	20.078	202	160533	4.219	ng	97
83) Chrysene	22.046	228	79963	2.194	ng	# 92
88) Benzo(b)fluoranthene	24.384	252	100046	2.799	ng	# 84
90) Benzo(a)pyrene	25.365	252	70608	2.015	ng	# 84

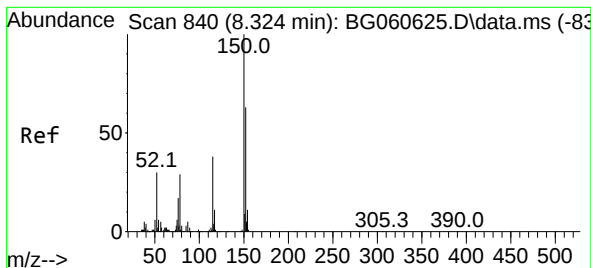
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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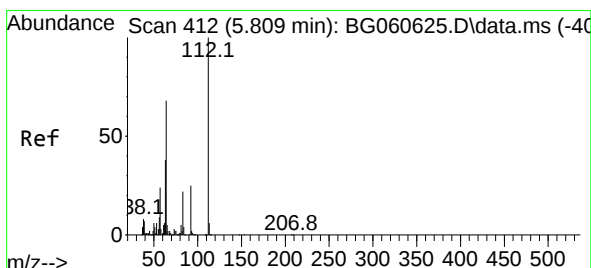
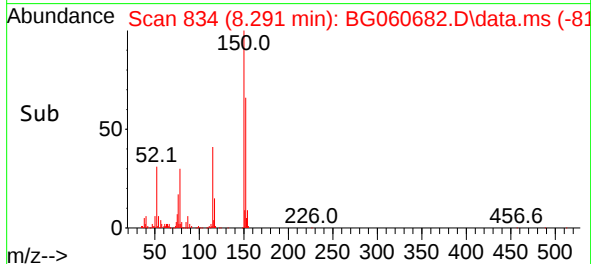
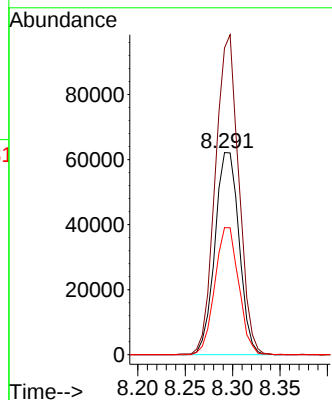
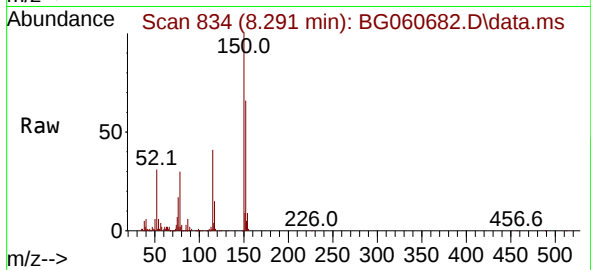




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.291 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG060682.D
Acq: 19 Mar 2024 15:29

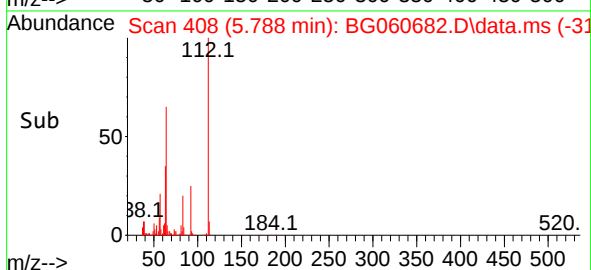
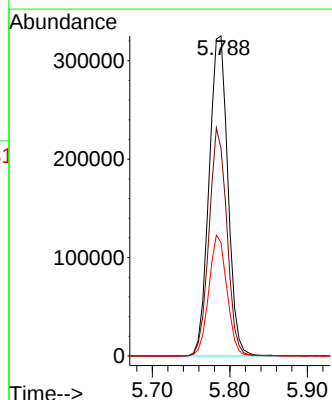
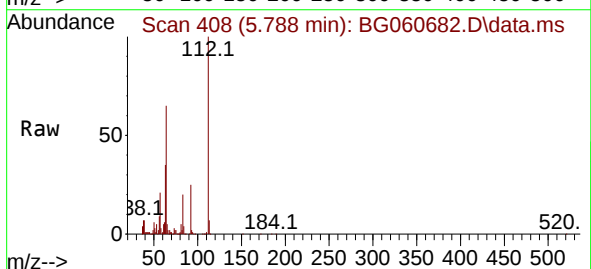
Instrument :
BNA_G
ClientSampleId :
TP-15

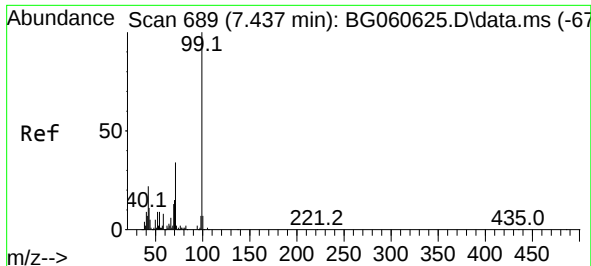
Tgt Ion:152 Resp: 110148
Ion Ratio Lower Upper
152 100
150 151.8 126.6 190.0
115 62.9 47.8 71.8



#5
2-Fluorophenol
Concen: 78.003 ng
RT: 5.788 min Scan# 408
Delta R.T. 0.009 min
Lab File: BG060682.D
Acq: 19 Mar 2024 15:29

Tgt Ion:112 Resp: 546562
Ion Ratio Lower Upper
112 100
64 64.8 54.1 81.1
63 35.4 30.3 45.5

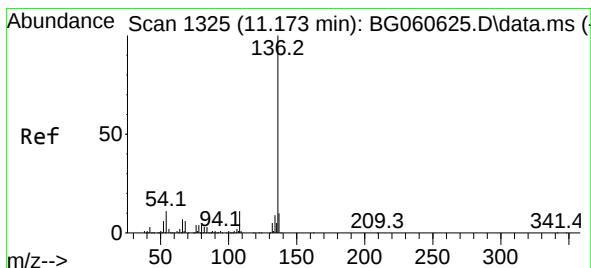
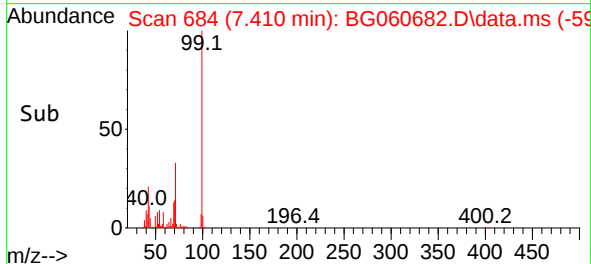
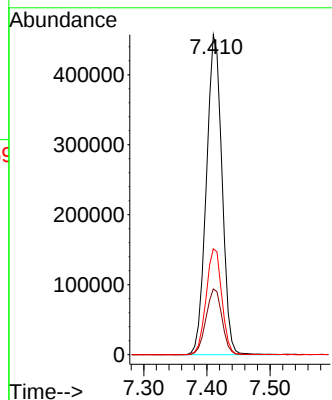
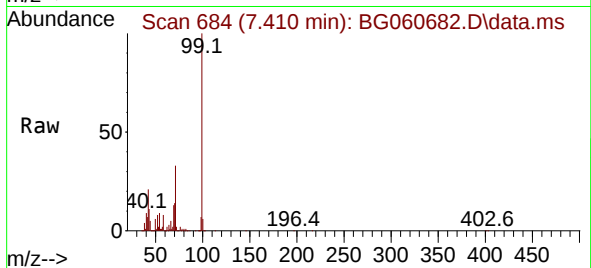




#7
Phenol-d6
Concen: 76.968 ng
RT: 7.410 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG060682.D
Acq: 19 Mar 2024 15:29

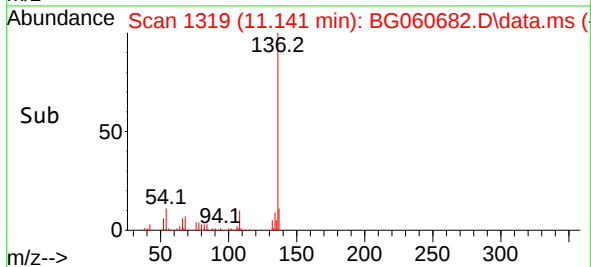
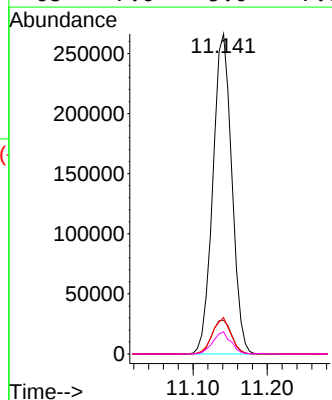
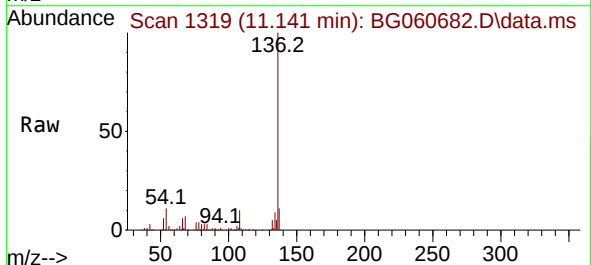
Instrument :
BNA_G
ClientSampleId :
TP-15

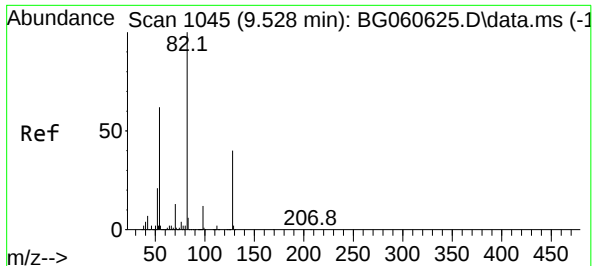
Tgt Ion: 99 Resp: 782322
Ion Ratio Lower Upper
99 100
42 20.6 17.5 26.3
71 33.1 27.4 41.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.141 min Scan# 1319
Delta R.T. 0.003 min
Lab File: BG060682.D
Acq: 19 Mar 2024 15:29

Tgt Ion: 136 Resp: 471881
Ion Ratio Lower Upper
136 100
137 10.5 8.4 12.6
54 11.4 8.5 12.7
68 7.0 5.0 7.6





#23

Nitrobenzene-d5

Concen: 53.521 ng

RT: 9.490 min Scan# 1038

Delta R.T. -0.003 min

Lab File: BG060682.D

Acq: 19 Mar 2024 15:29

Instrument :

BNA_G

ClientSampleId :

TP-15

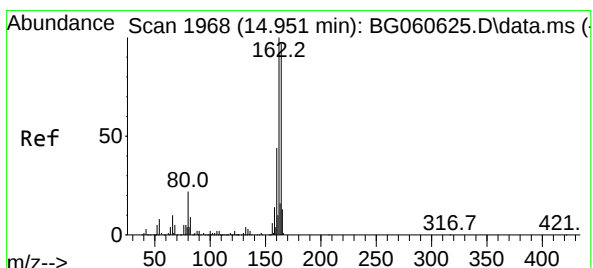
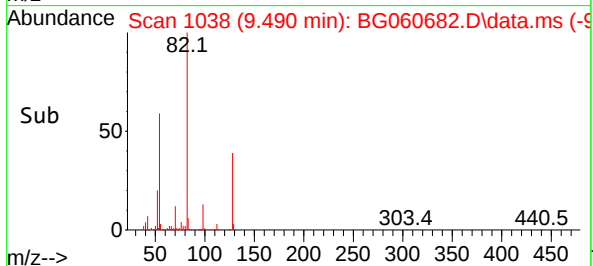
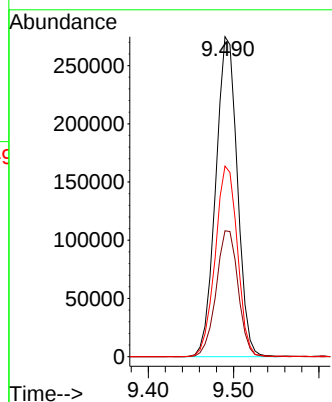
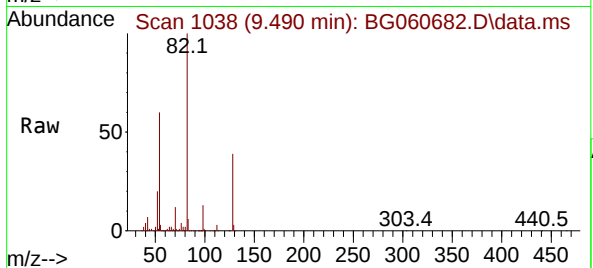
Tgt Ion: 82 Resp: 485279

Ion Ratio Lower Upper

82 100

128 39.4 31.6 47.4

54 59.6 49.3 73.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.925 min Scan# 1963

Delta R.T. -0.003 min

Lab File: BG060682.D

Acq: 19 Mar 2024 15:29

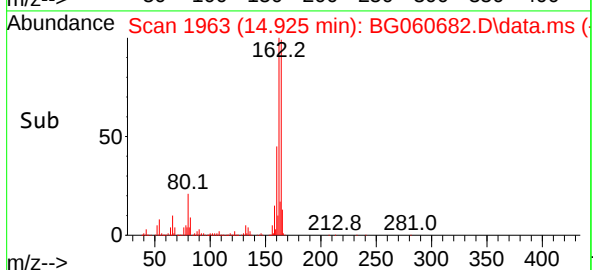
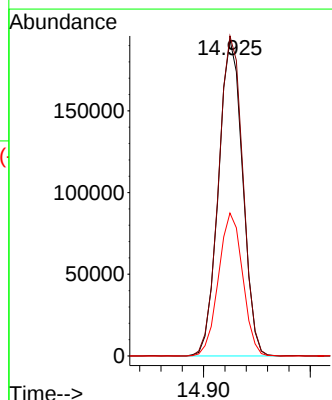
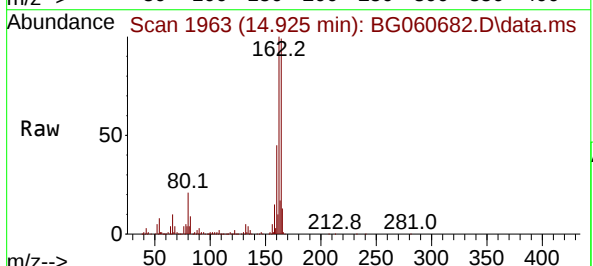
Tgt Ion:164 Resp: 303688

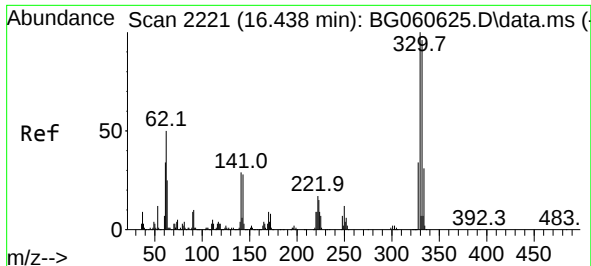
Ion Ratio Lower Upper

164 100

162 101.1 82.5 123.7

160 45.1 36.4 54.6

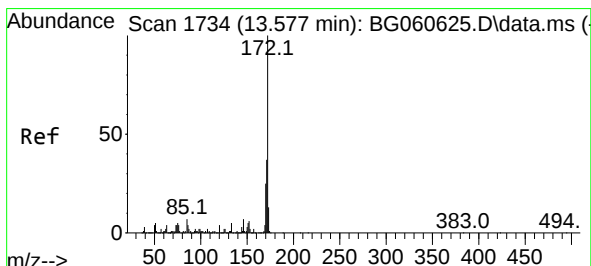
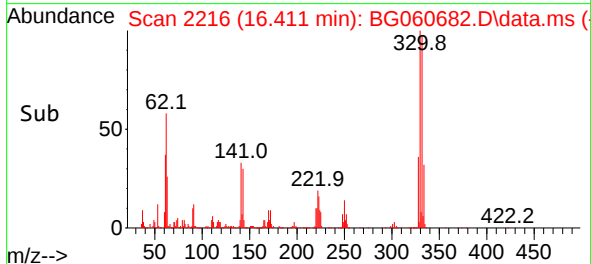
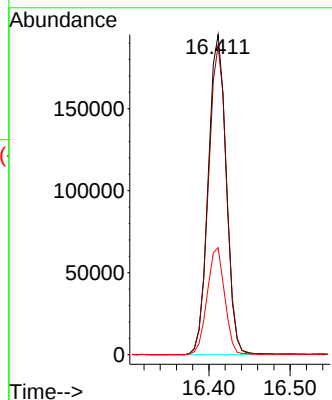
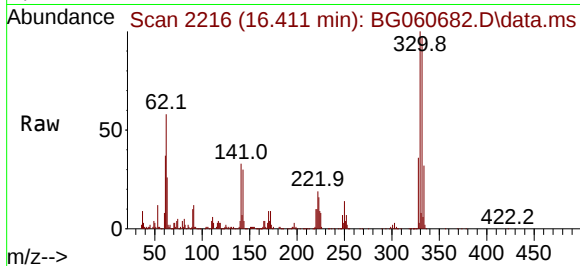




#42
2,4,6-Tribromophenol
Concen: 85.069 ng
RT: 16.411 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG060682.D
Acq: 19 Mar 2024 15:29

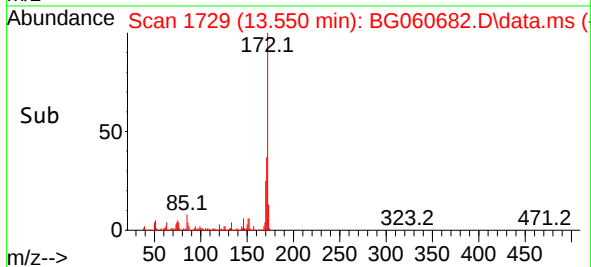
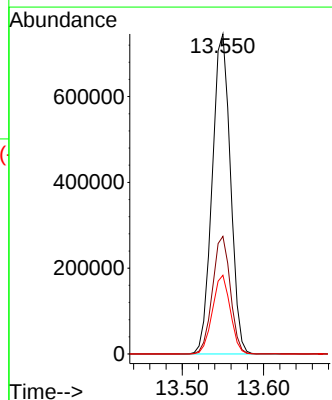
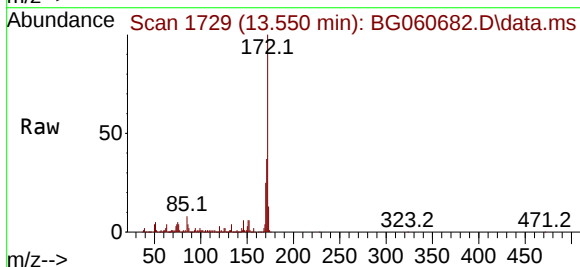
Instrument :
BNA_G
ClientSampleId :
TP-15

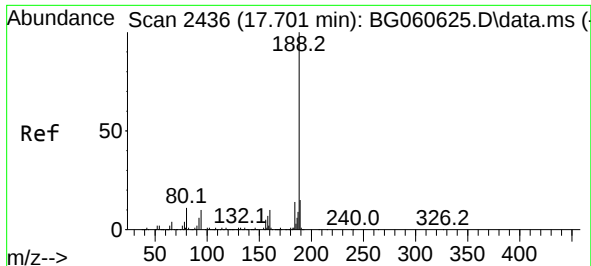
Tgt Ion:330 Resp: 299369
Ion Ratio Lower Upper
330 100
332 97.4 77.8 116.8
141 32.7 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 51.680 ng
RT: 13.550 min Scan# 1729
Delta R.T. 0.003 min
Lab File: BG060682.D
Acq: 19 Mar 2024 15:29

Tgt Ion:172 Resp: 1160798
Ion Ratio Lower Upper
172 100
171 36.7 29.9 44.9
170 24.6 19.8 29.6

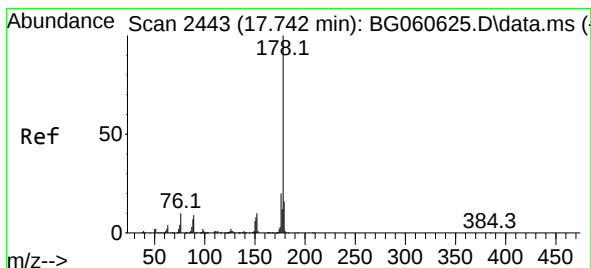
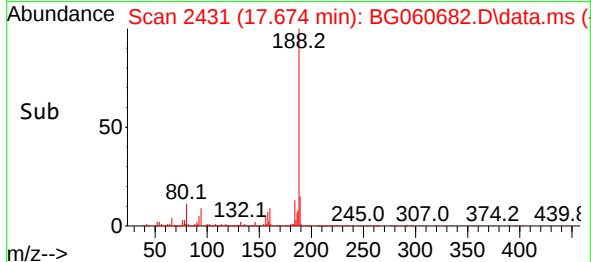
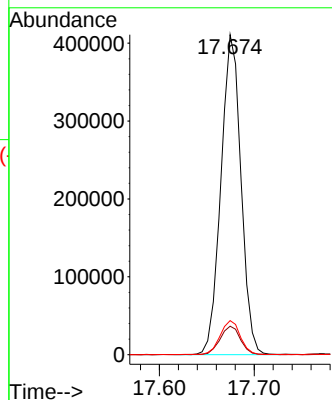
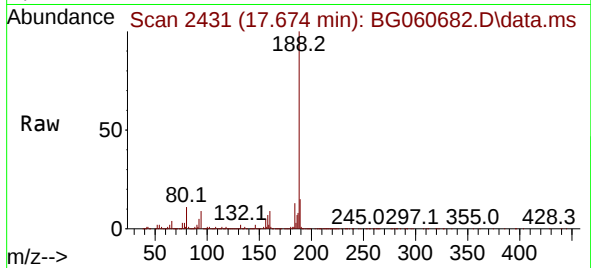




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.674 min Scan# 2436
Delta R.T. 0.003 min
Lab File: BG060682.D
Acq: 19 Mar 2024 15:29

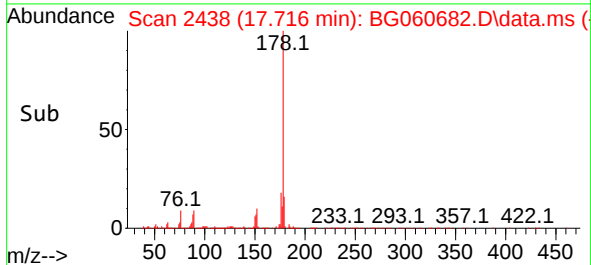
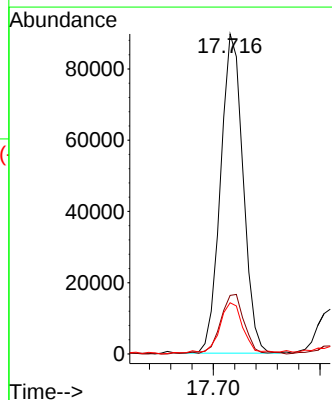
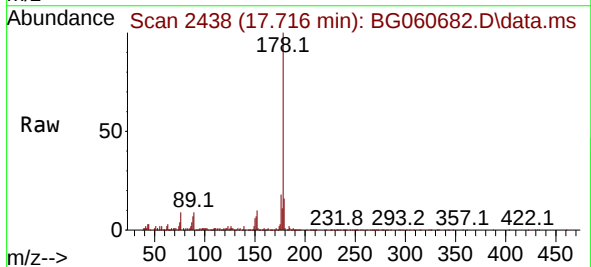
Instrument :
BNA_G
ClientSampleId :
TP-15

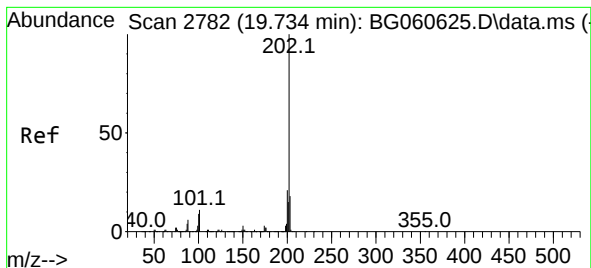
Tgt Ion:188 Resp: 605122
Ion Ratio Lower Upper
188 100
94 8.9 7.9 11.9
80 10.6 8.6 13.0



#71
Phenanthrene
Concen: 4.031 ng
RT: 17.716 min Scan# 2438
Delta R.T. -0.003 min
Lab File: BG060682.D
Acq: 19 Mar 2024 15:29

Tgt Ion:178 Resp: 131384
Ion Ratio Lower Upper
178 100
176 18.3 16.1 24.1
179 16.0 12.9 19.3





#75

Fluoranthene

Concen: 4.654 ng

RT: 19.707 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG060682.D

Acq: 19 Mar 2024 15:29

Instrument :

BNA_G

ClientSampleId :

TP-15

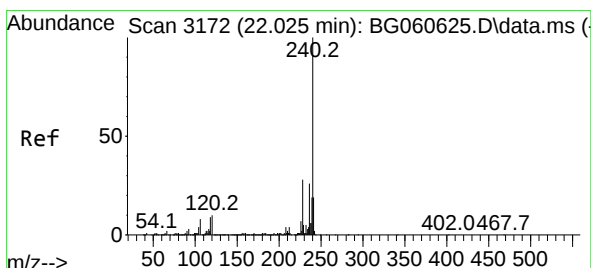
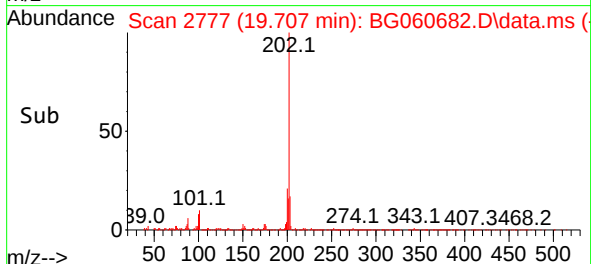
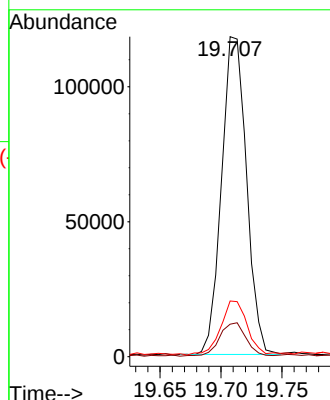
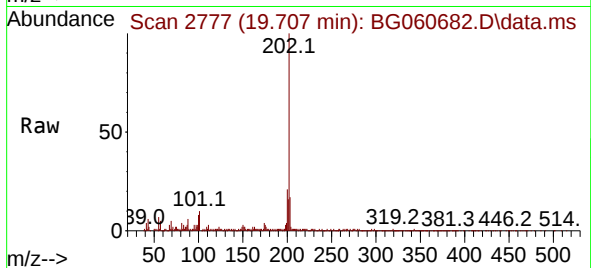
Tgt Ion:202 Resp: 167790

Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.2

203 17.4 0.0 38.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.993 min Scan# 3166

Delta R.T. 0.003 min

Lab File: BG060682.D

Acq: 19 Mar 2024 15:29

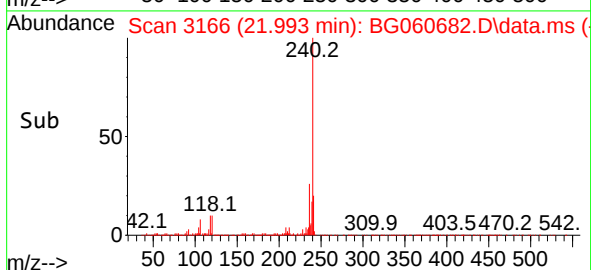
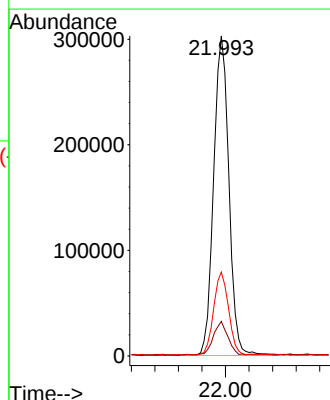
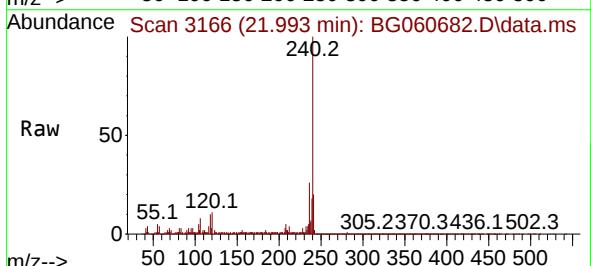
Tgt Ion:240 Resp: 545209

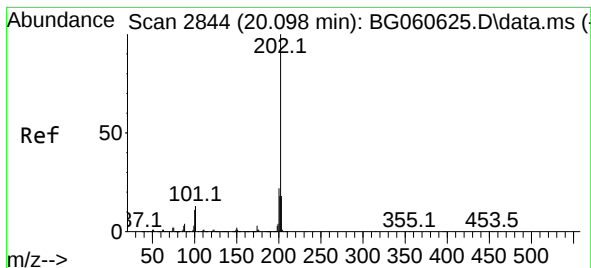
Ion Ratio Lower Upper

240 100

120 10.8 7.8 11.8

236 26.2 20.6 31.0





#78

Pyrene

Concen: 4.219 ng

RT: 20.078 min Scan# 2844

Delta R.T. 0.003 min

Lab File: BG060682.D

Acq: 19 Mar 2024 15:29

Instrument :

BNA_G

ClientSampleId :

TP-15

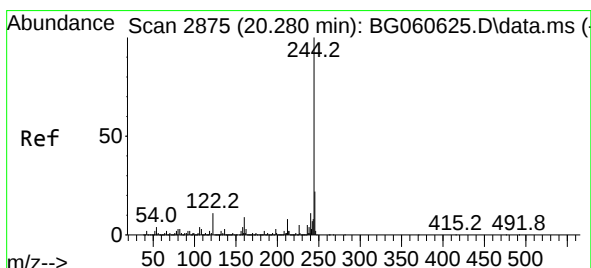
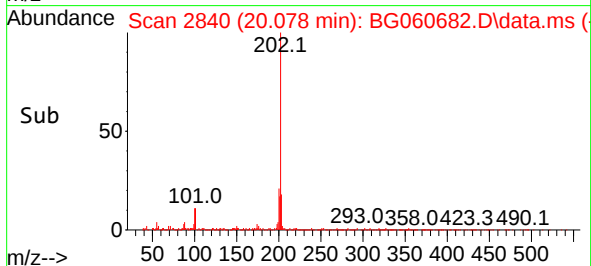
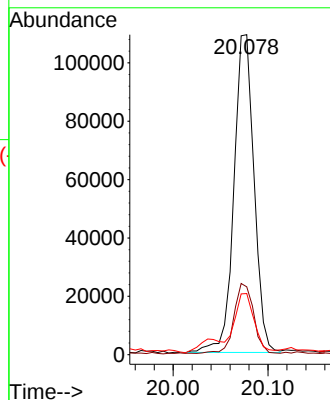
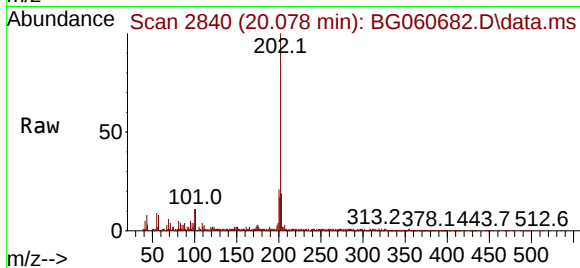
Tgt Ion:202 Resp: 160533

Ion Ratio Lower Upper

202 100

200 21.2 17.9 26.9

203 19.1 14.3 21.5



#79

Terphenyl-d14

Concen: 51.568 ng

RT: 20.254 min Scan# 2870

Delta R.T. -0.003 min

Lab File: BG060682.D

Acq: 19 Mar 2024 15:29

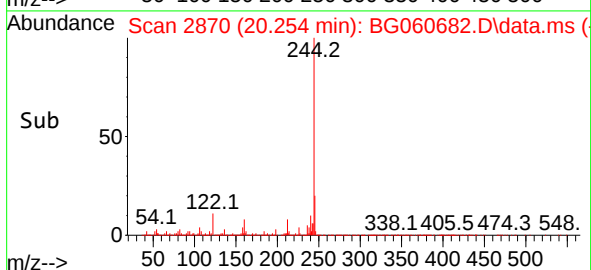
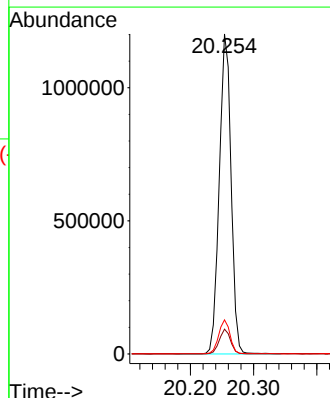
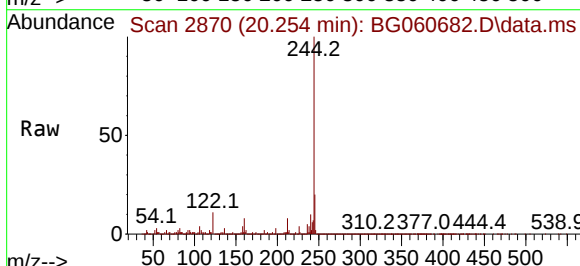
Tgt Ion:244 Resp: 1555458

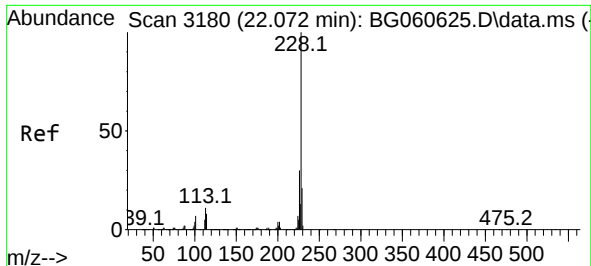
Ion Ratio Lower Upper

244 100

212 7.7 6.6 9.8

122 10.6 8.5 12.7





#83

Chrysene

Concen: 2.194 ng

RT: 22.046 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG060682.D

Acq: 19 Mar 2024 15:29

Instrument :

BNA_G

ClientSampleId :

TP-15

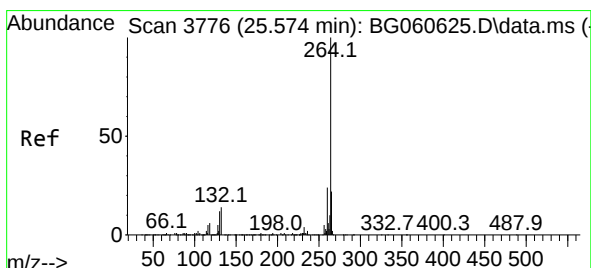
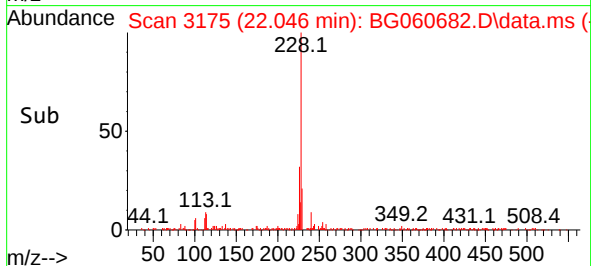
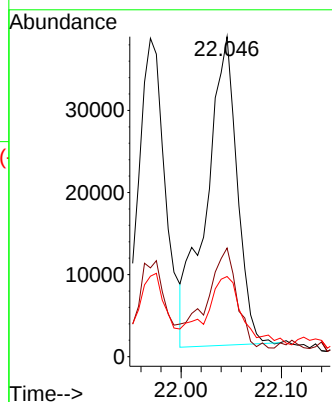
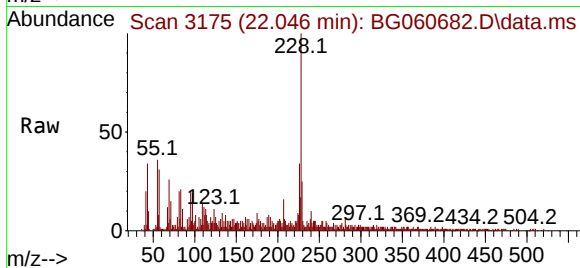
Tgt Ion:228 Resp: 79963

Ion Ratio Lower Upper

228 100

226 34.0 24.2 36.2

229 25.1 16.4 24.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.536 min Scan# 3769

Delta R.T. 0.009 min

Lab File: BG060682.D

Acq: 19 Mar 2024 15:29

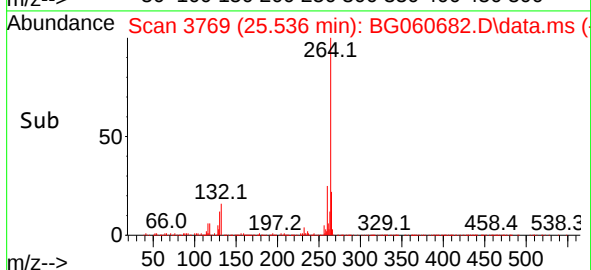
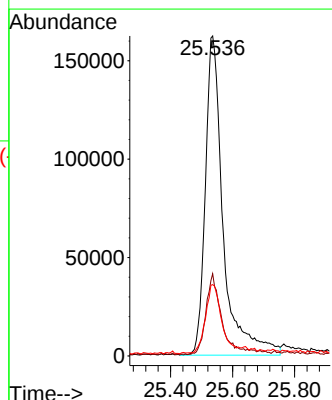
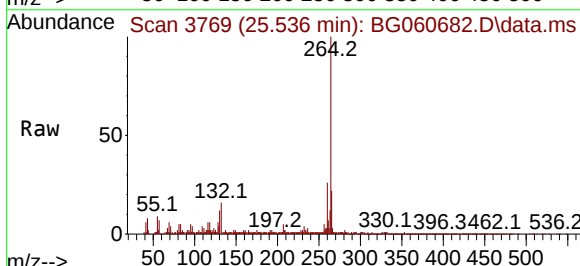
Tgt Ion:264 Resp: 649731

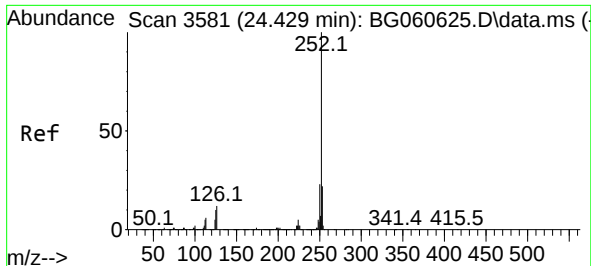
Ion Ratio Lower Upper

264 100

260 25.7 19.4 29.2

265 22.3 18.1 27.1

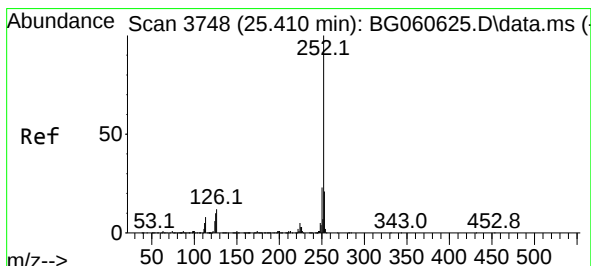
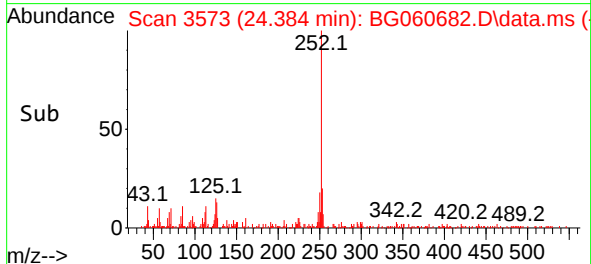
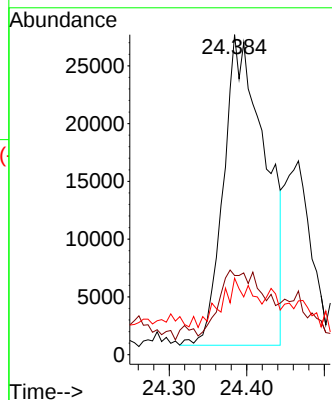
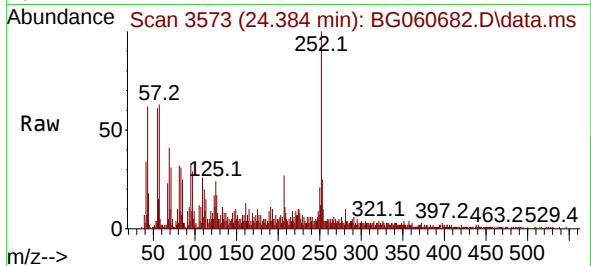




#88
Benzo(b)fluoranthene
Concen: 2.799 ng
RT: 24.384 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG060682.D
Acq: 19 Mar 2024 15:29

Instrument :
BNA_G
ClientSampleId :
TP-15

Tgt Ion:252 Resp: 100046
Ion Ratio Lower Upper
252 100
253 24.7 17.6 26.4
125 23.9 7.8 11.6#



#90
Benzo(a)pyrene
Concen: 2.015 ng
RT: 25.365 min Scan# 3740
Delta R.T. 0.009 min
Lab File: BG060682.D
Acq: 19 Mar 2024 15:29

Tgt Ion:252 Resp: 70608
Ion Ratio Lower Upper
252 100
253 24.3 17.0 25.6
125 24.1 8.2 12.2#

