

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)

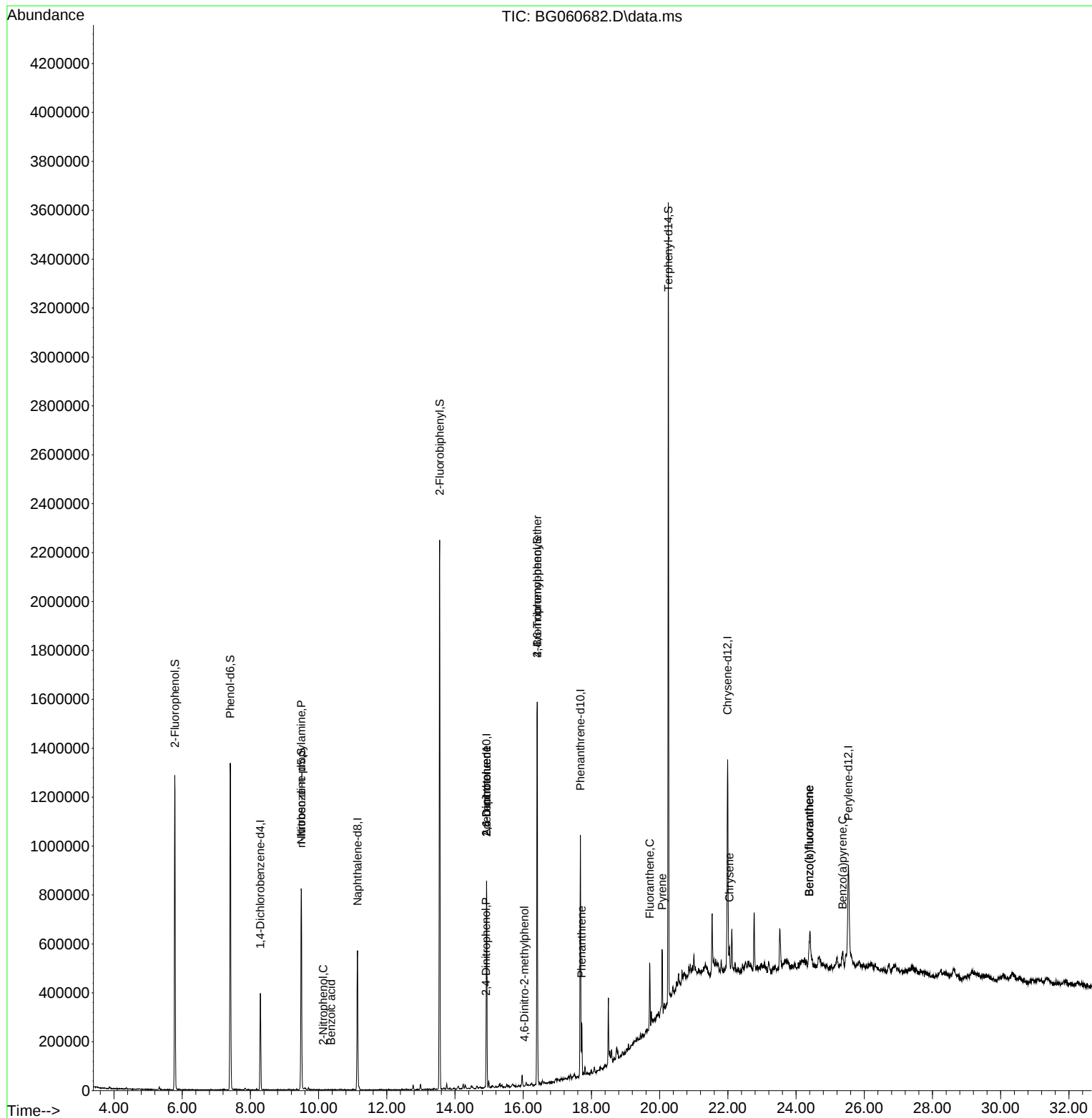
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.291	152	110148	20.000	ng	0.00
21) Naphthalene-d8	11.141	136	471881	20.000	ng	0.00
39) Acenaphthene-d10	14.925	164	303688	20.000	ng	0.00
64) Phenanthrene-d10	17.674	188	605122	20.000	ng	0.00
76) Chrysene-d12	21.993	240	545209	20.000	ng	0.00
86) Perylene-d12	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
19) n-Nitroso-di-n-propyla...	9.496	70	62680	8.896	ng	# 76
26) 2-Nitrophenol	10.136	139	62	2.252	ng	# 23
32) Benzoic acid	10.365	122	87	6.035	ng	# 1
51) 2,6-Dinitrotoluene	14.925	165	39111	9.319	ng	# 17
54) 2,4-Dinitrophenol	14.907	184	56	6.868	ng	# 1
57) 2,4-Dinitrotoluene	14.925	165	39111	7.408	ng	# 16
65) 4,6-Dinitro-2-methylph...	16.035	198	63	4.835	ng	# 10
67) 4-Bromophenyl-phenylether	16.411	248	20089	3.079	ng	# 1
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
89) Benzo(k)fluoranthene	24.384	252	100046	2.664	ng	# 83
90) Benzo(a)pyrene	25.365	252	70608	2.015	ng	# 84

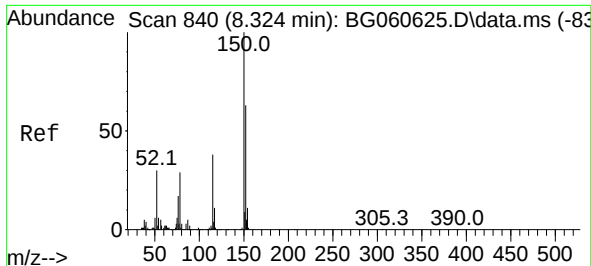
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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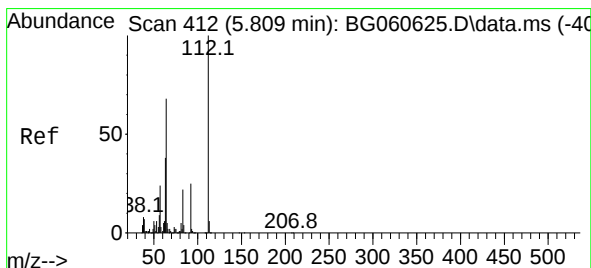
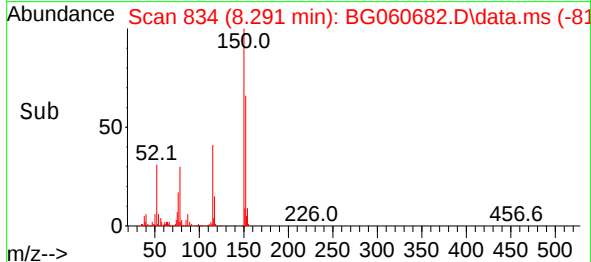
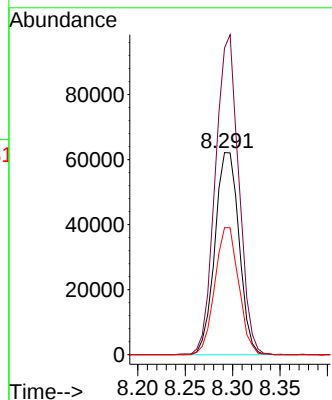
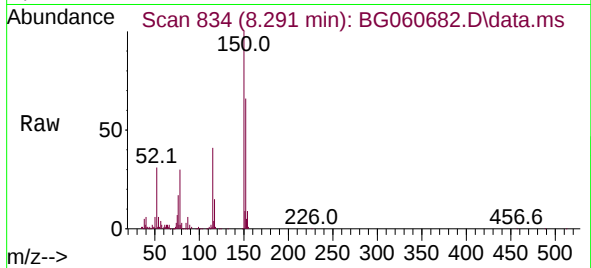




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.291 min Scan# 840
Delta R.T. 0.003 min
Lab File: BG060682.D
Acq: 19 Mar 2024 15:29

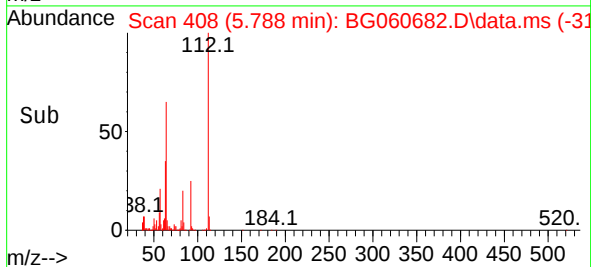
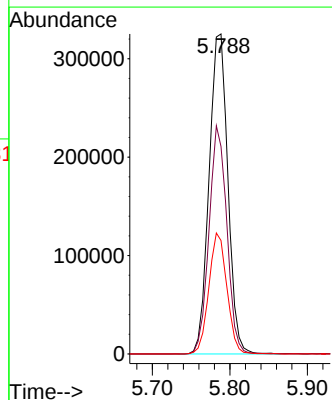
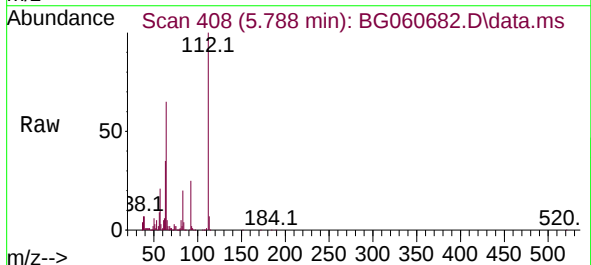
Instrument :
BNA_G
ClientSampleId :
TP-15

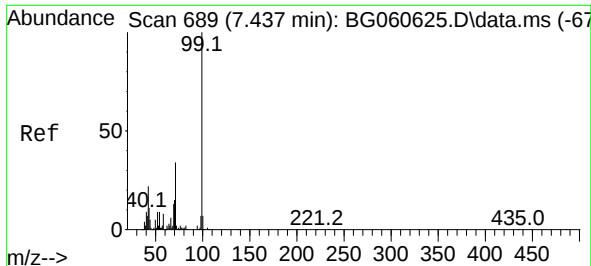
Tgt Ion:152 Resp: 110148
Ion Ratio Lower Upper
152 100
150 151.8 126.6 190.0
115 62.9 47.8 71.8



#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

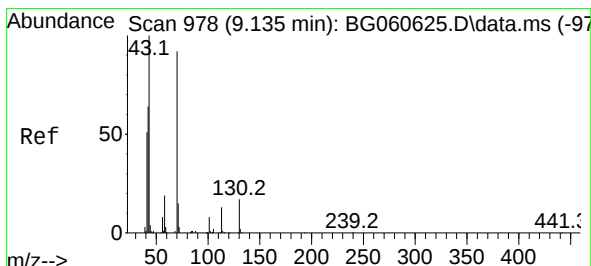
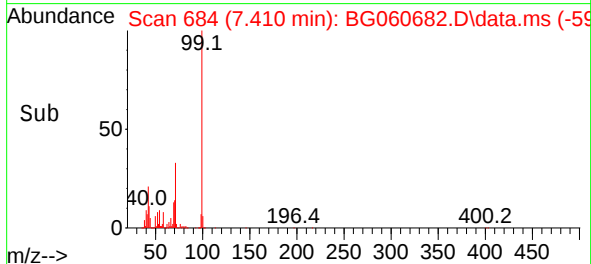
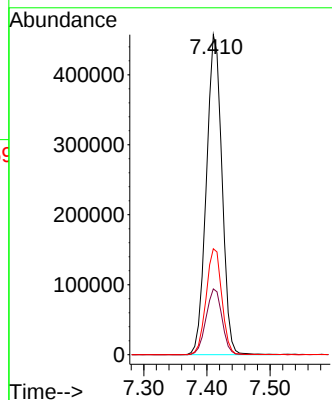
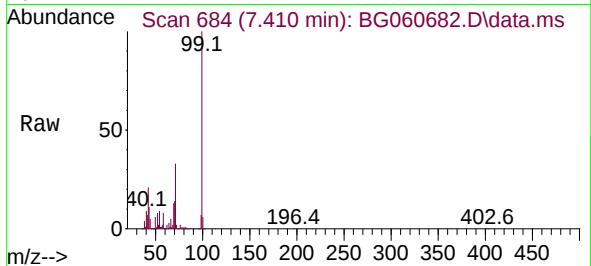




#7
Phenol-d6
Concen: 76.968 ng
RT: 7.410 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG060682.D
Acq: 19 Mar 2024 15:29

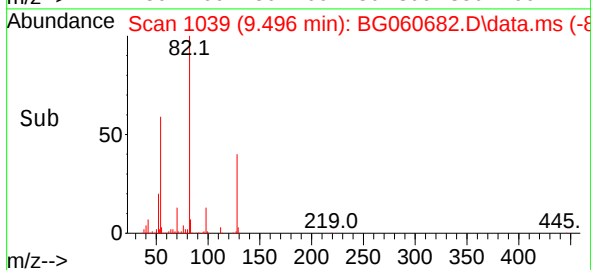
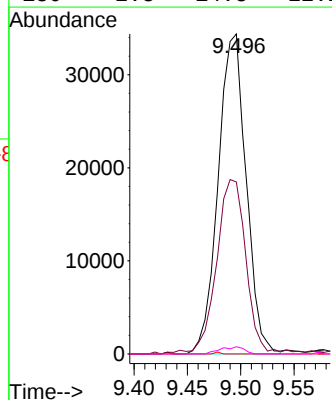
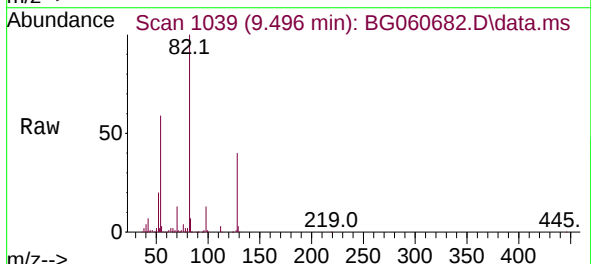
Instrument :
BNA_G
ClientSampleId :
TP-15

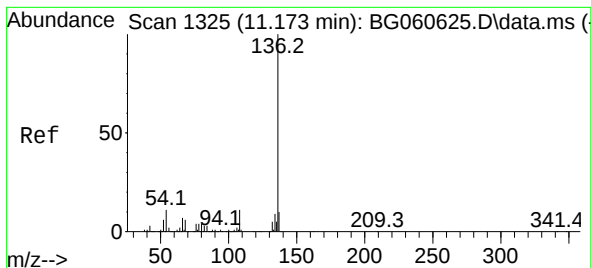
Tgt Ion: 99 Resp: 782322
Ion Ratio Lower Upper
99 100
42 20.6 17.5 26.3
71 33.1 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 8.896 ng
RT: 9.496 min Scan# 1039
Delta R.T. 0.397 min
Lab File: BG060682.D
Acq: 19 Mar 2024 15:29

Tgt Ion: 70 Resp: 62680
Ion Ratio Lower Upper
70 100
42 53.7 56.2 84.2#
101 0.0 7.4 11.0#
130 2.3 14.8 22.2#

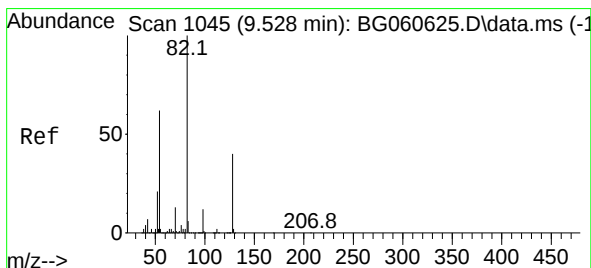
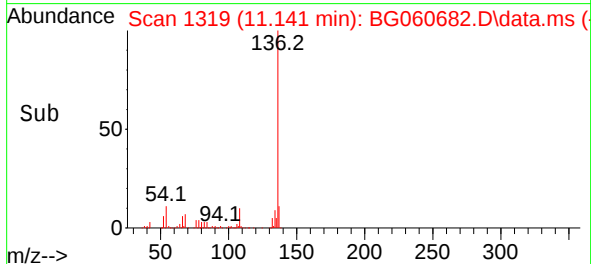
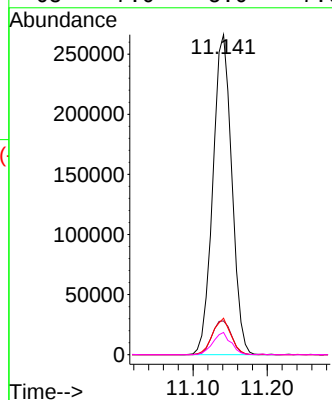
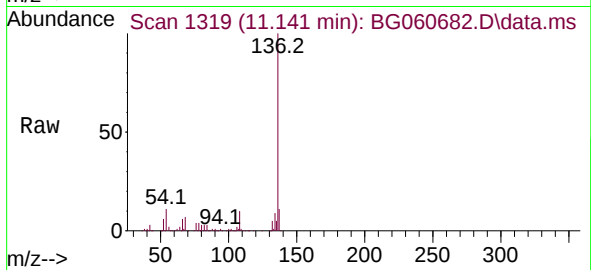




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.141 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG060682.D
Acq: 19 Mar 2024 15:29

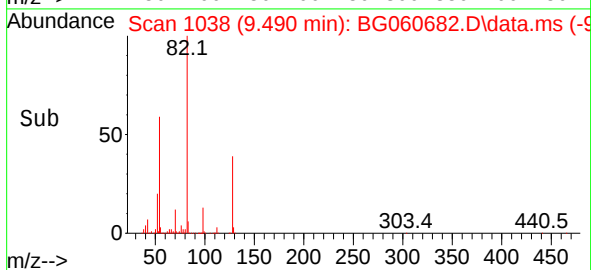
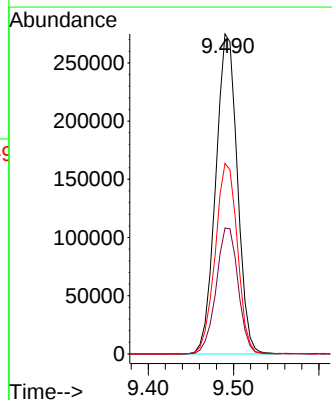
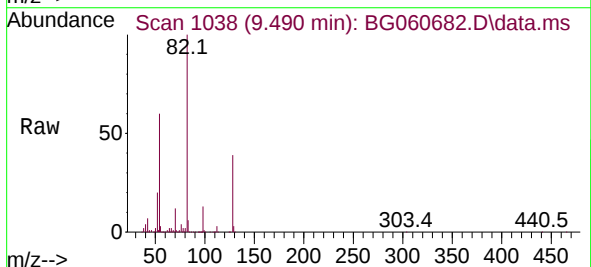
Instrument :
BNA_G
ClientSampleId :
TP-15

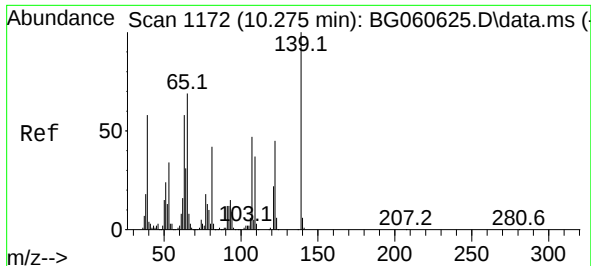
Tgt Ion:	136	Resp:	471881
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.4	12.6
54	11.4	8.5	12.7
68	7.0	5.0	7.6



#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

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





#26

2-Nitrophenol

Concen: 2.252 ng

RT: 10.136 min Scan# 11

Delta R.T. -0.103 min

Lab File: BG060682.D

Acq: 19 Mar 2024 15:29

Instrument :

BNA_G

ClientSampleId :

TP-15

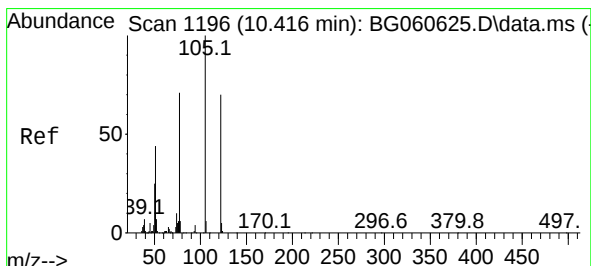
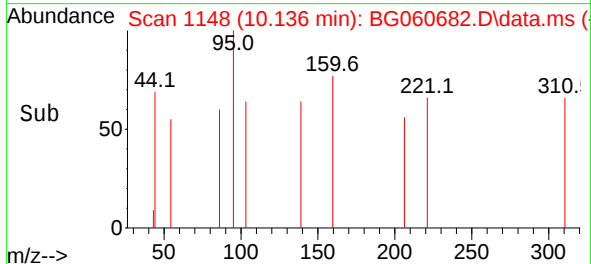
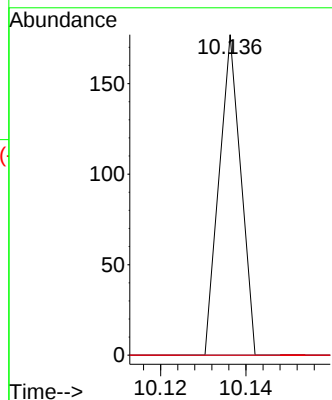
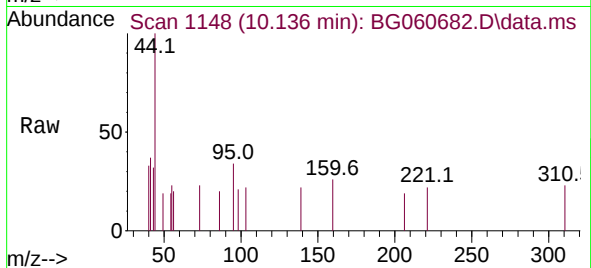
Tgt Ion:139 Resp: 62

Ion Ratio Lower Upper

139 100

109 0.0 29.5 44.3#

65 0.0 55.0 82.4#



#32

Benzoic acid

Concen: 6.035 ng

RT: 10.365 min Scan# 1187

Delta R.T. -0.003 min

Lab File: BG060682.D

Acq: 19 Mar 2024 15:29

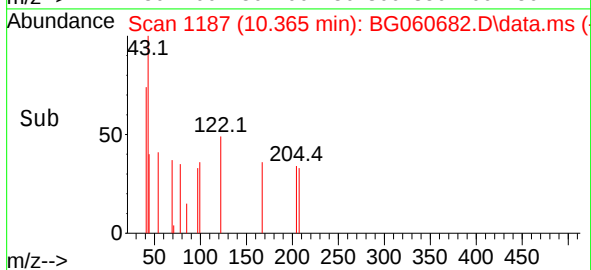
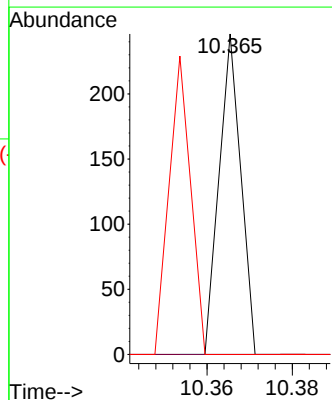
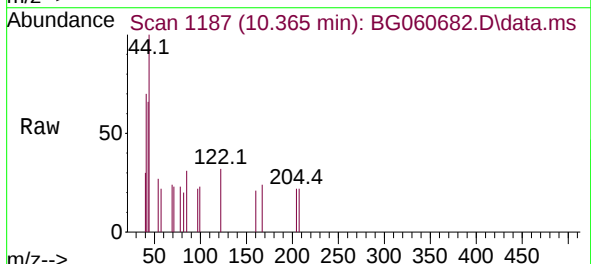
Tgt Ion:122 Resp: 87

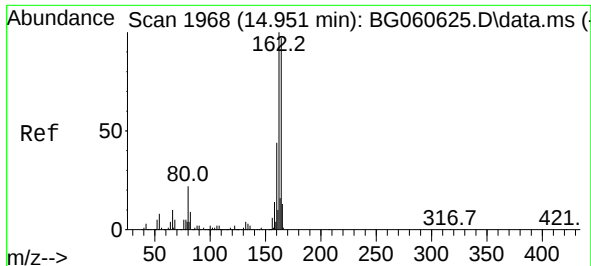
Ion Ratio Lower Upper

122 100

105 0.0 115.0 155.0#

77 0.0 79.0 119.0#





#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

Instrument :

BNA_G

ClientSampleId :

TP-15

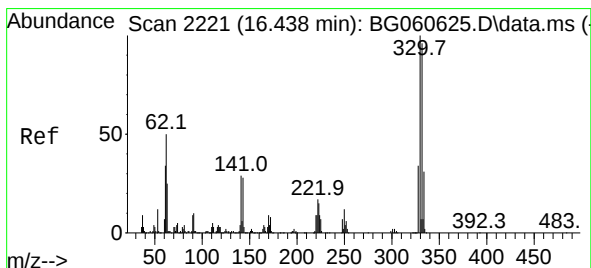
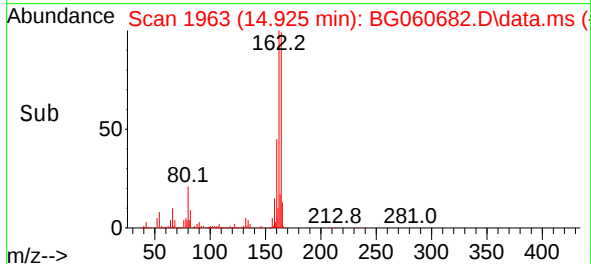
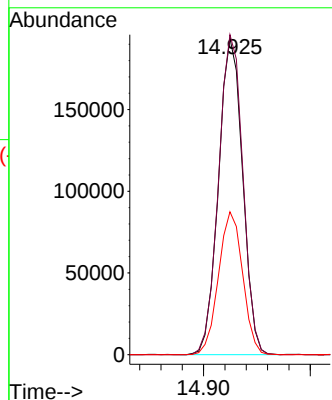
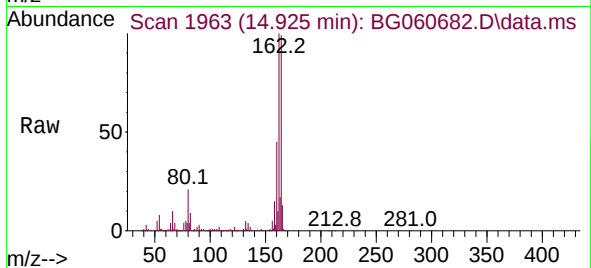
Tgt Ion:164 Resp: 303688

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# 2216

Delta R.T. 0.003 min

Lab File: BG060682.D

Acq: 19 Mar 2024 15:29

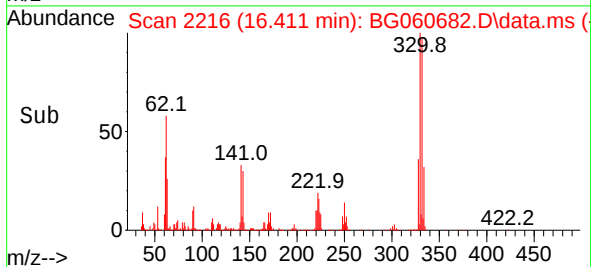
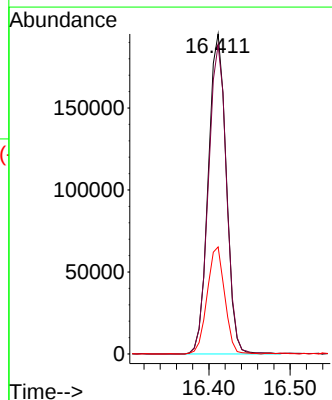
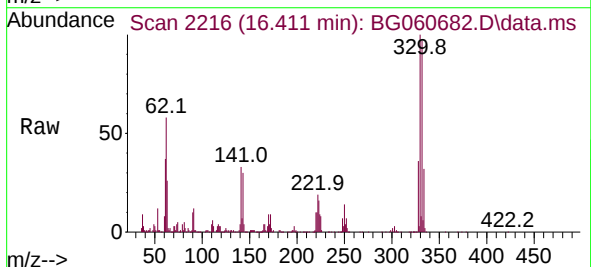
Tgt Ion:330 Resp: 299369

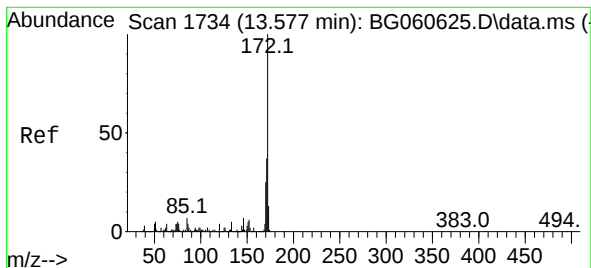
Ion Ratio Lower Upper

330 100

332 97.4 77.8 116.8

141 32.7 25.4 38.2

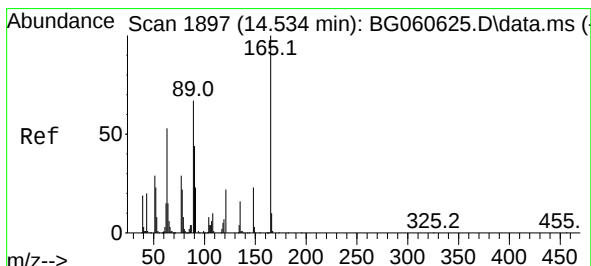
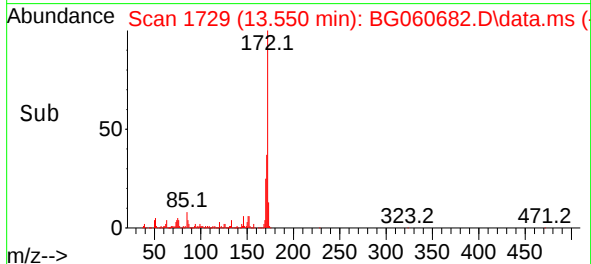
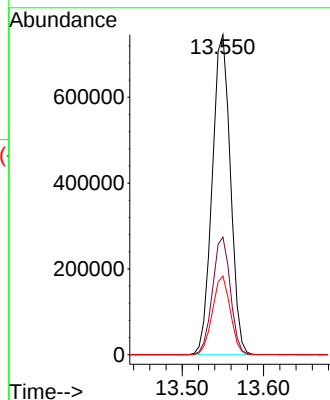
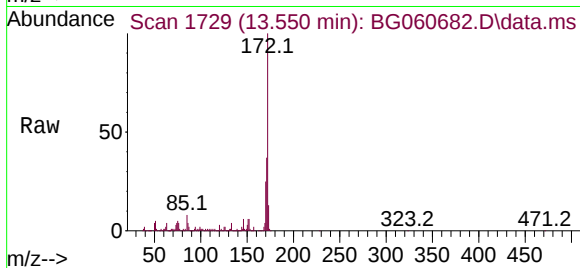




#45
2-Fluorobiphenyl
Concen: 51.680 ng
RT: 13.550 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG060682.D
Acq: 19 Mar 2024 15:29

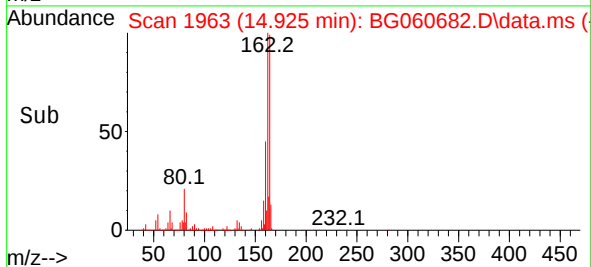
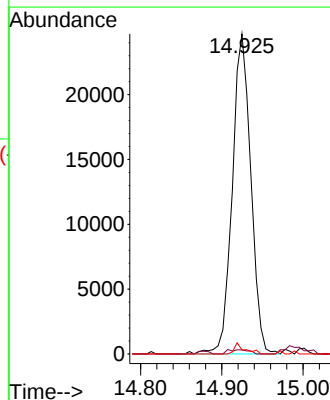
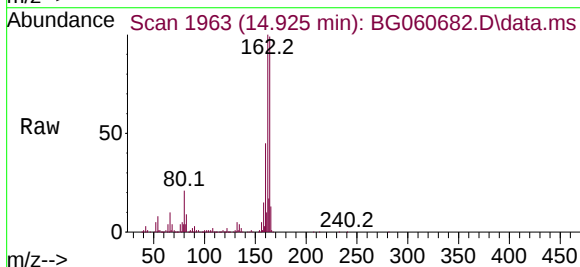
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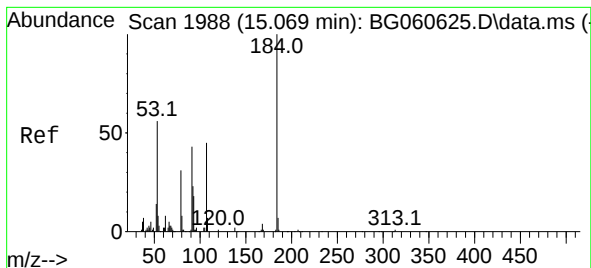
Tgt Ion:172 Resp: 1160798
Ion Ratio Lower Upper
172 100
171 36.7 29.9 44.9
170 24.6 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 9.319 ng
RT: 14.925 min Scan# 1963
Delta R.T. 0.414 min
Lab File: BG060682.D
Acq: 19 Mar 2024 15:29

Tgt Ion:165 Resp: 39111
Ion Ratio Lower Upper
165 100
63 1.3 55.8 83.6#
89 1.2 54.1 81.1#





#54

2,4-Dinitrophenol

Concen: 6.868 ng

RT: 14.907 min Scan# 1

Delta R.T. -0.138 min

Lab File: BG060682.D

Acq: 19 Mar 2024 15:29

Instrument :

BNA_G

ClientSampleId :

TP-15

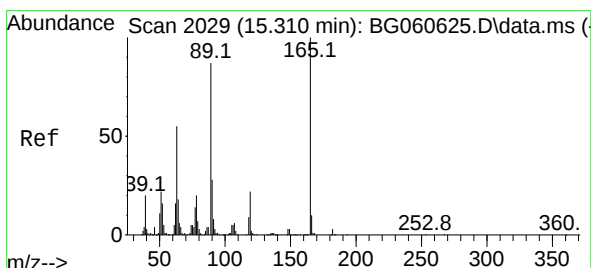
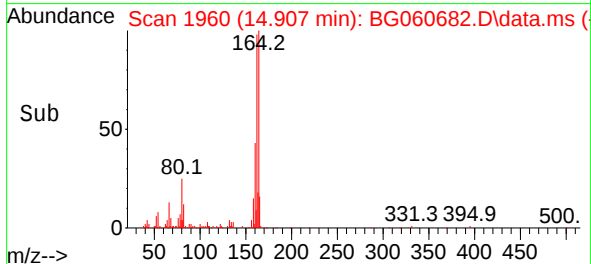
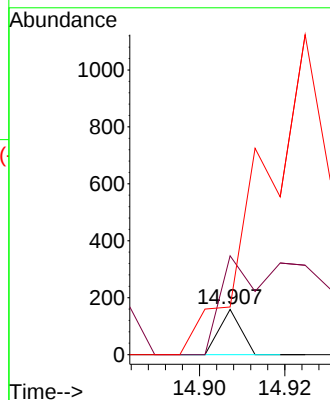
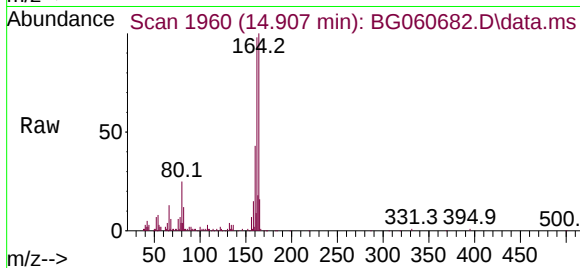
Tgt Ion:184 Resp: 56

Ion Ratio Lower Upper

184 100

63 218.2 54.4 81.6#

154 105.0 50.4 75.6#



#57

2,4-Dinitrotoluene

Concen: 7.408 ng

RT: 14.925 min Scan# 1963

Delta R.T. -0.361 min

Lab File: BG060682.D

Acq: 19 Mar 2024 15:29

Tgt Ion:165 Resp: 39111

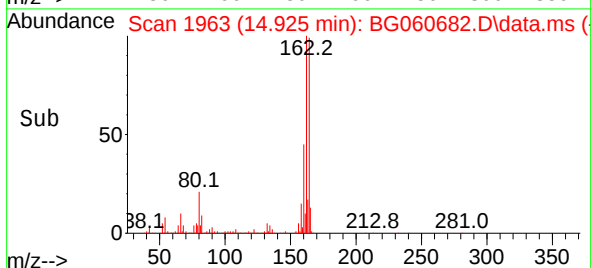
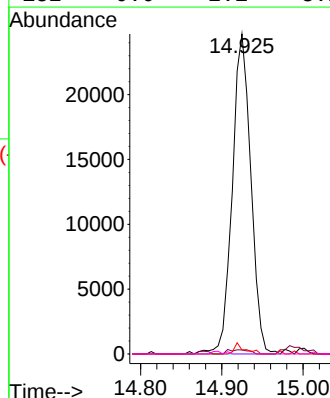
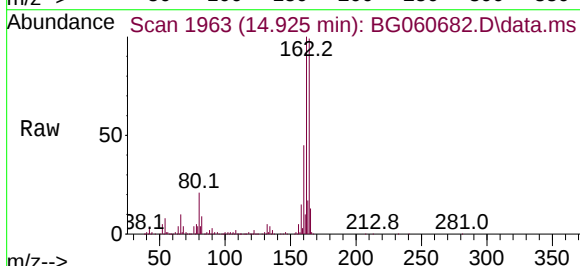
Ion Ratio Lower Upper

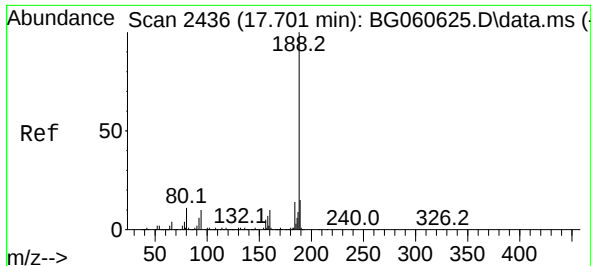
165 100

63 1.3 44.1 66.1#

89 1.2 69.7 104.5#

182 0.0 2.1 3.1#

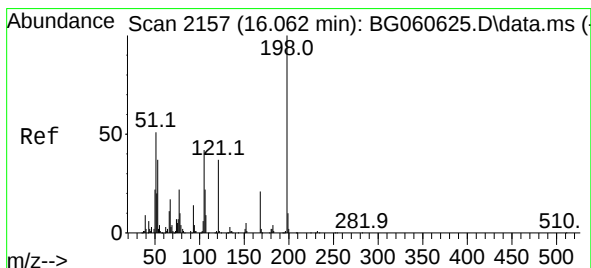
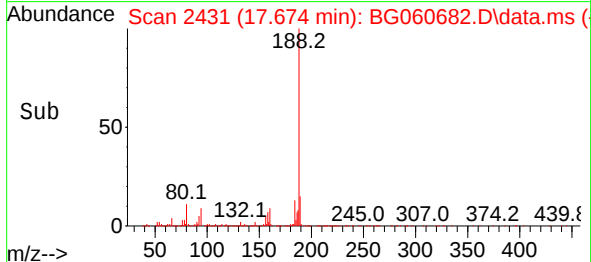
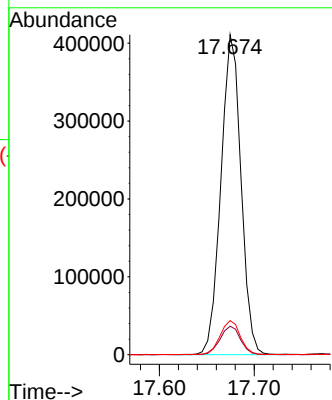
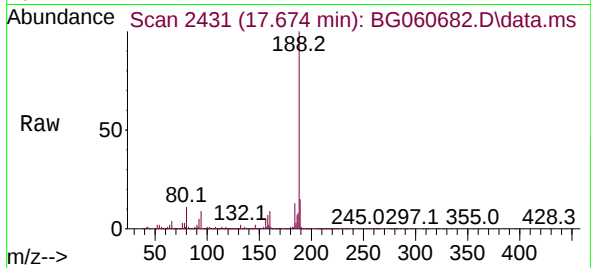




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.674 min Scan# 2436
Delta R.T. 0.003 min
Lab File: BG060682.D
Acq: 19 Mar 2024 15:29

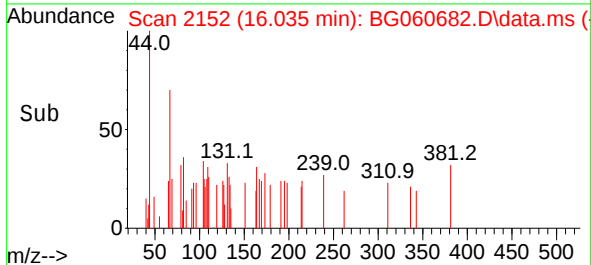
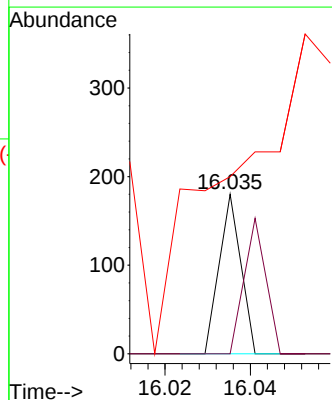
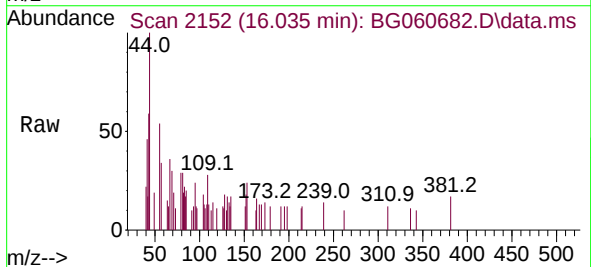
Instrument :
BNA_G
ClientSampleId :
TP-15

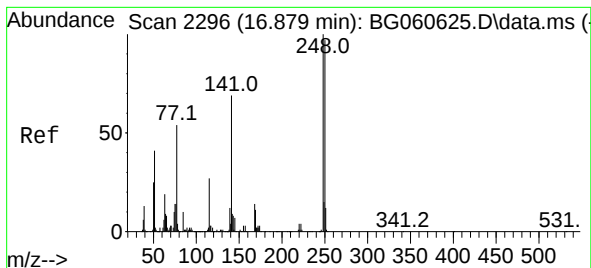
Tgt Ion:188 Resp: 605122
Ion Ratio Lower Upper
188 100
94 8.9 7.9 11.9
80 10.6 8.6 13.0



#65
4,6-Dinitro-2-methylphenol
Concen: 4.835 ng
RT: 16.035 min Scan# 2152
Delta R.T. -0.003 min
Lab File: BG060682.D
Acq: 19 Mar 2024 15:29

Tgt Ion:198 Resp: 63
Ion Ratio Lower Upper
198 100
51 0.0 36.9 76.9#
105 111.1 22.4 62.4#

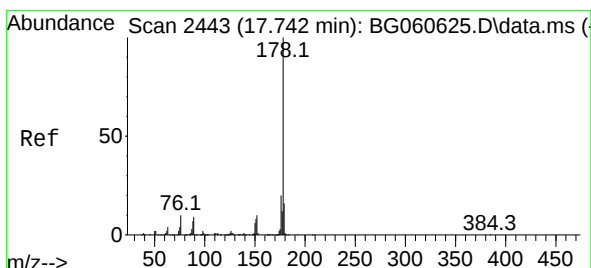
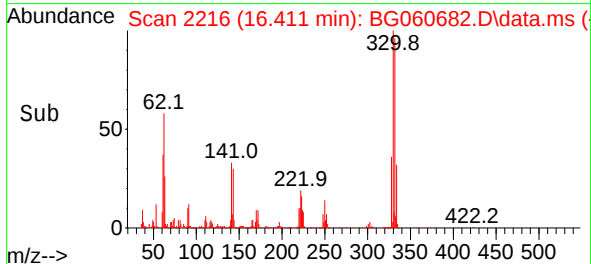
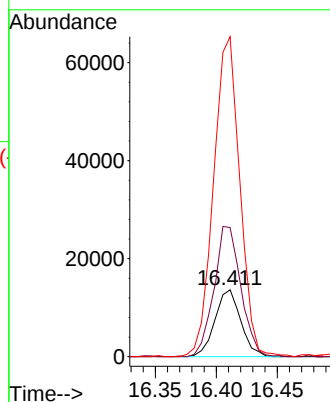
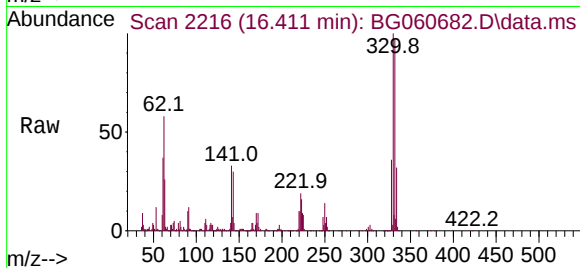




#67
4-Bromophenyl-phenylether
Concen: 3.079 ng
RT: 16.411 min Scan# 21
Delta R.T. -0.437 min
Lab File: BG060682.D
Acq: 19 Mar 2024 15:29

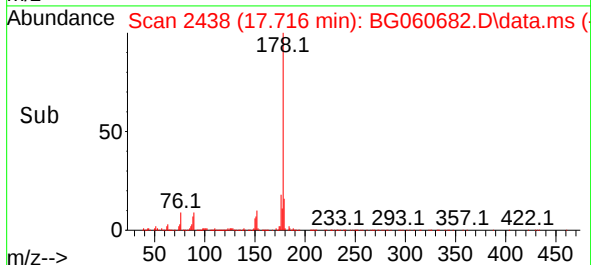
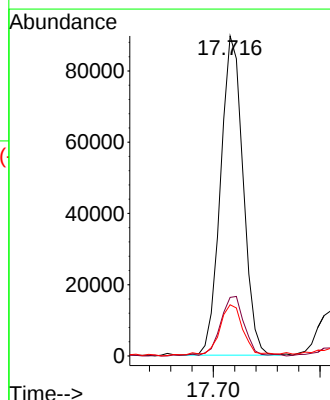
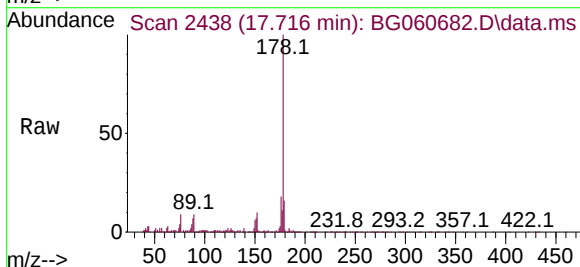
Instrument :
BNA_G
ClientSampleId :
TP-15

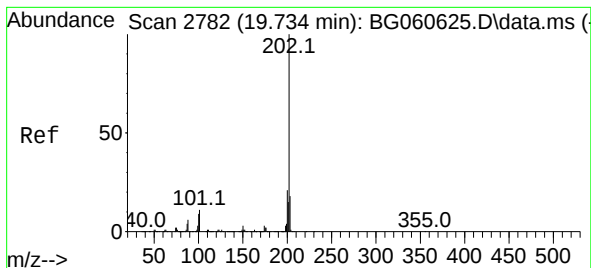
Tgt Ion:248 Resp: 20089
Ion Ratio Lower Upper
248 100
250 193.1 77.8 116.6#
141 478.5 55.1 82.7#



#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

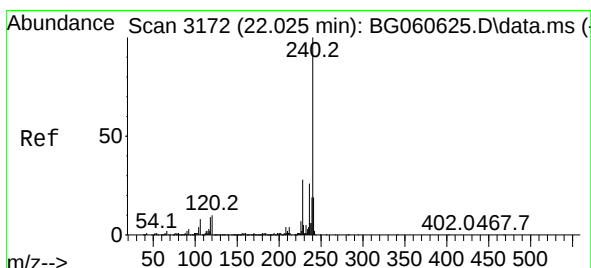
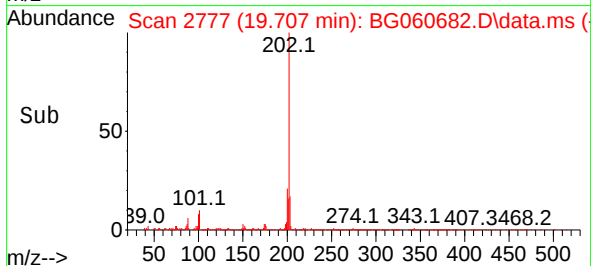
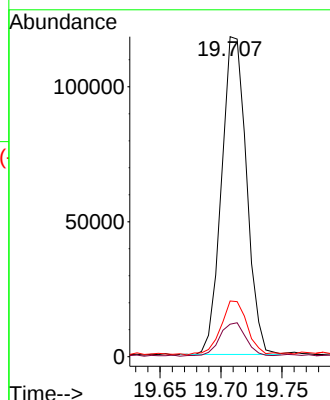
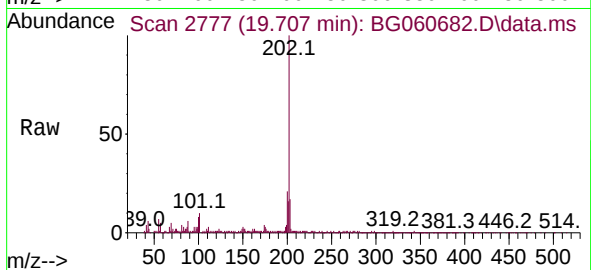
Tgt Ion:202 Resp: 167790

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

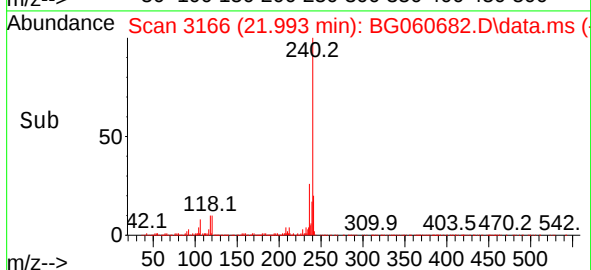
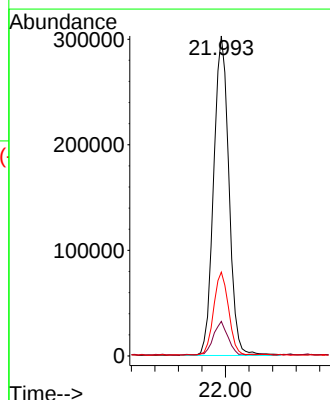
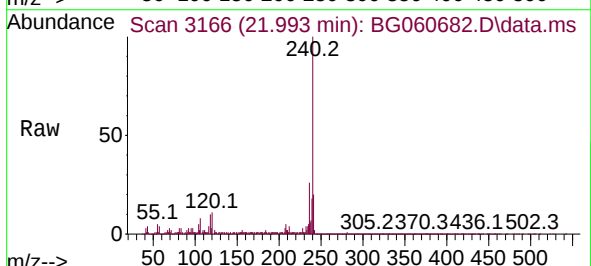
Tgt Ion:240 Resp: 545209

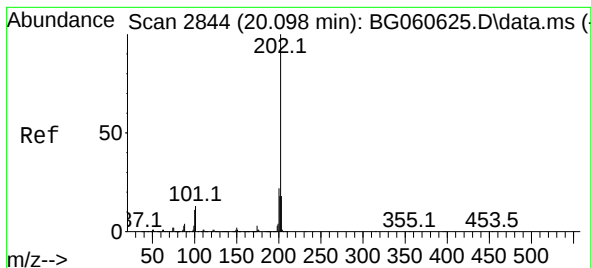
Ion Ratio Lower Upper

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# 21

Delta R.T. 0.003 min

Lab File: BG060682.D

Acq: 19 Mar 2024 15:29

Instrument :

BNA_G

ClientSampleId :

TP-15

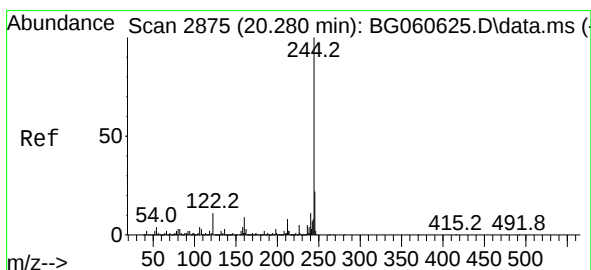
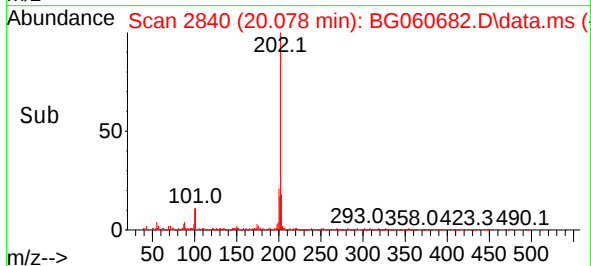
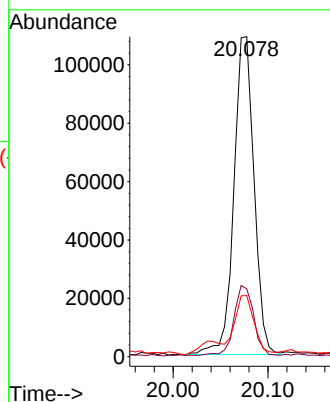
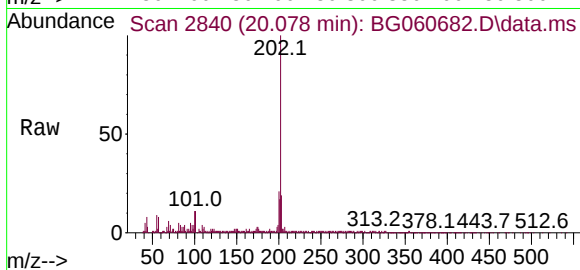
Tgt Ion:202 Resp: 160533

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

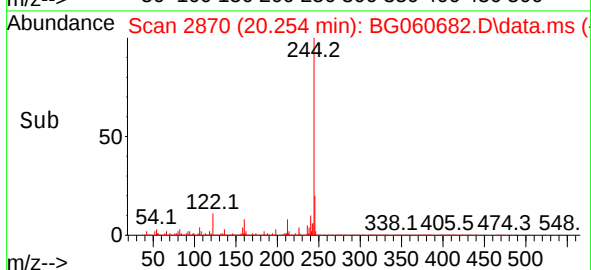
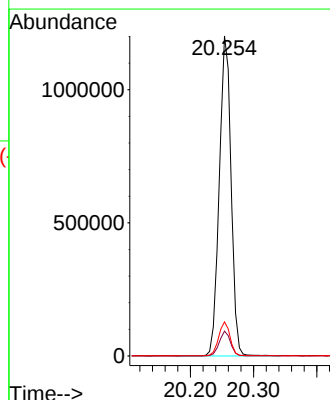
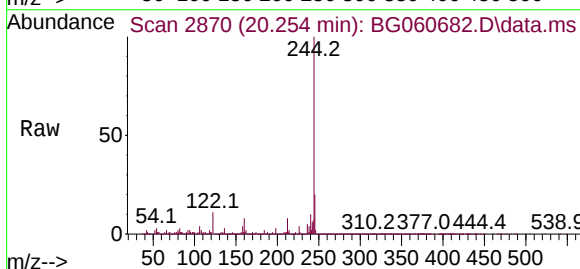
Tgt Ion:244 Resp: 1555458

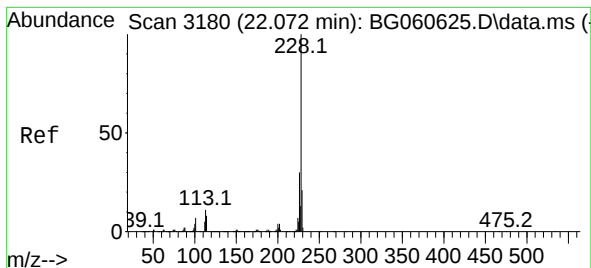
Ion Ratio Lower Upper

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

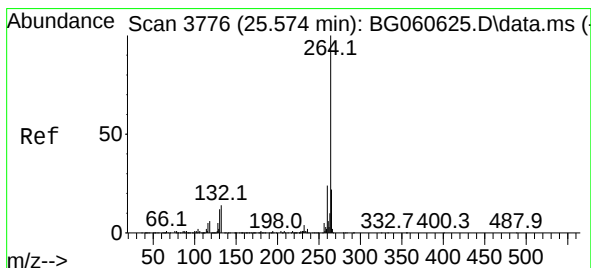
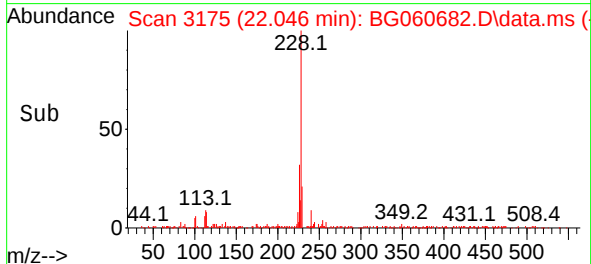
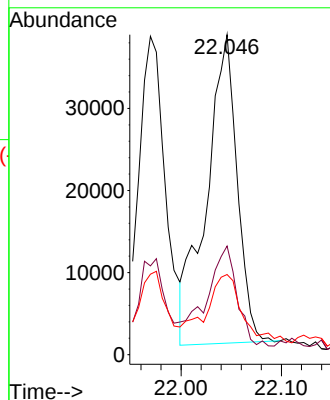
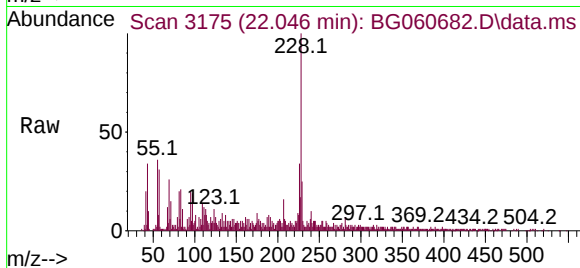
Tgt Ion:228 Resp: 79963

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

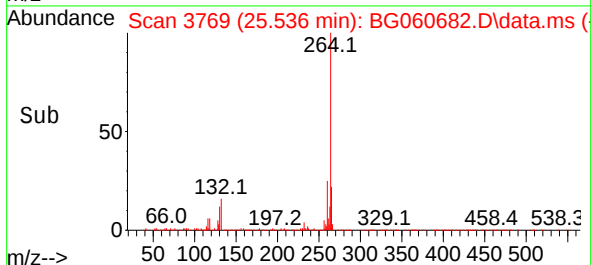
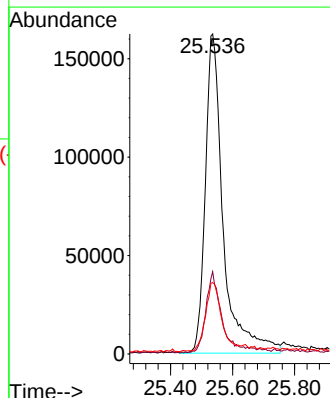
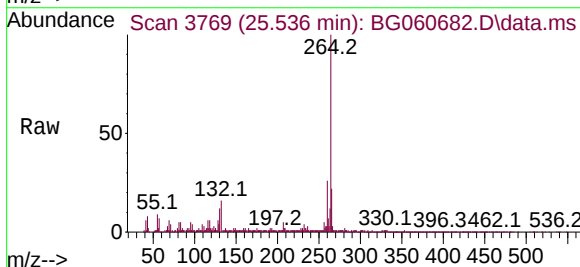
Tgt Ion:264 Resp: 649731

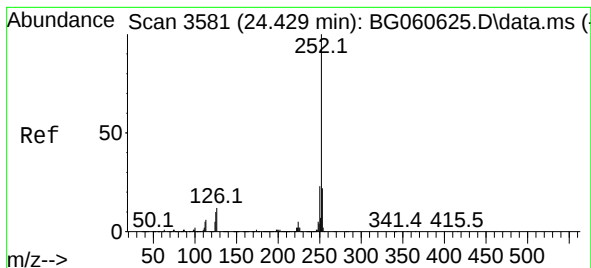
Ion Ratio Lower Upper

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# 3573

Delta R.T. -0.003 min

Lab File: BG060682.D

Acq: 19 Mar 2024 15:29

Instrument :

BNA_G

ClientSampleId :

TP-15

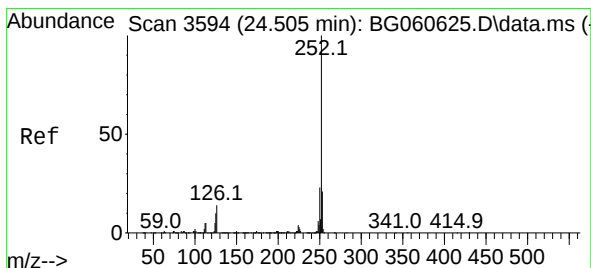
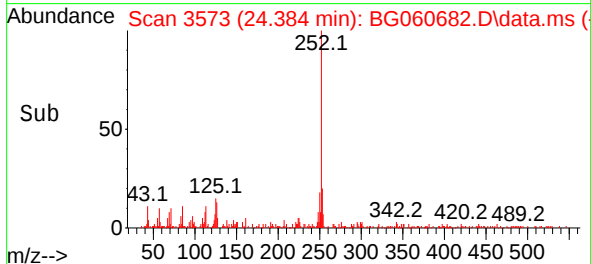
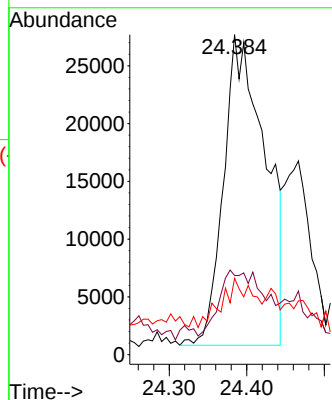
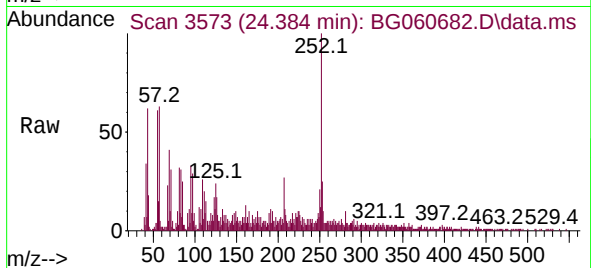
Tgt Ion:252 Resp: 100046

Ion Ratio Lower Upper

252 100

253 24.7 17.6 26.4

125 23.9 7.8 11.6#



#89

Benzo(k)fluoranthene

Concen: 2.664 ng

RT: 24.384 min Scan# 3573

Delta R.T. -0.073 min

Lab File: BG060682.D

Acq: 19 Mar 2024 15:29

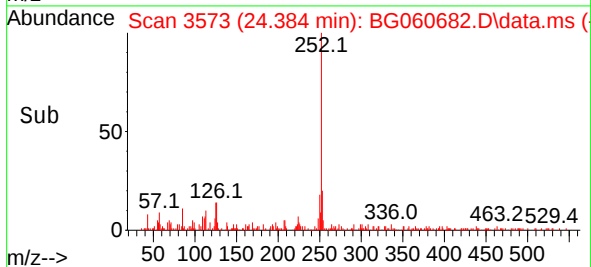
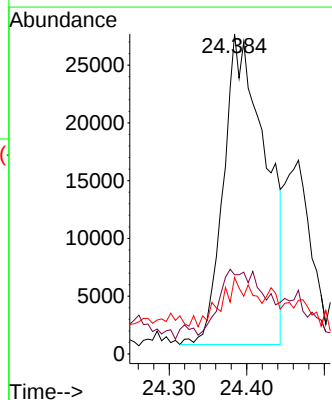
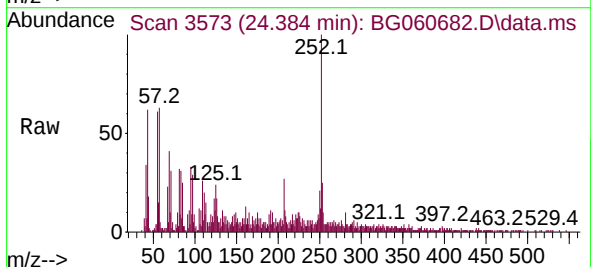
Tgt Ion:252 Resp: 100046

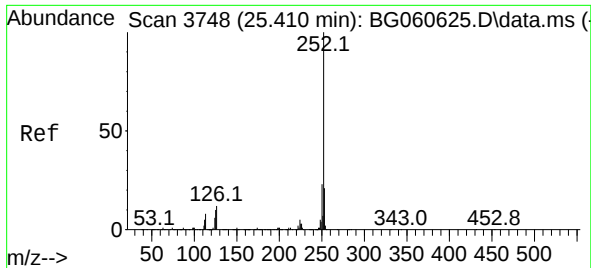
Ion Ratio Lower Upper

252 100

253 24.7 17.1 25.7

125 23.9 8.0 12.0#





#90
 Benzo(a)pyrene
 Concen: 2.015 ng
 RT: 25.365 min Scan# 31
 Delta R.T. 0.009 min
 Lab File: BG060682.D
 Acq: 19 Mar 2024 15:29

Instrument :
 BNA_G
 ClientSampleId :
 TP-15

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#

