

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
 Data File : BG060500.D
 Acq On : 31 Jan 2024 2:05
 Operator : MA/JU
 Sample : P1188-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-JERSEY-PORT-SAMPLE-SET-2-A

Quant Time: Jan 31 04:42:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 04:07:12 2024
 Response via : Initial Calibration

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

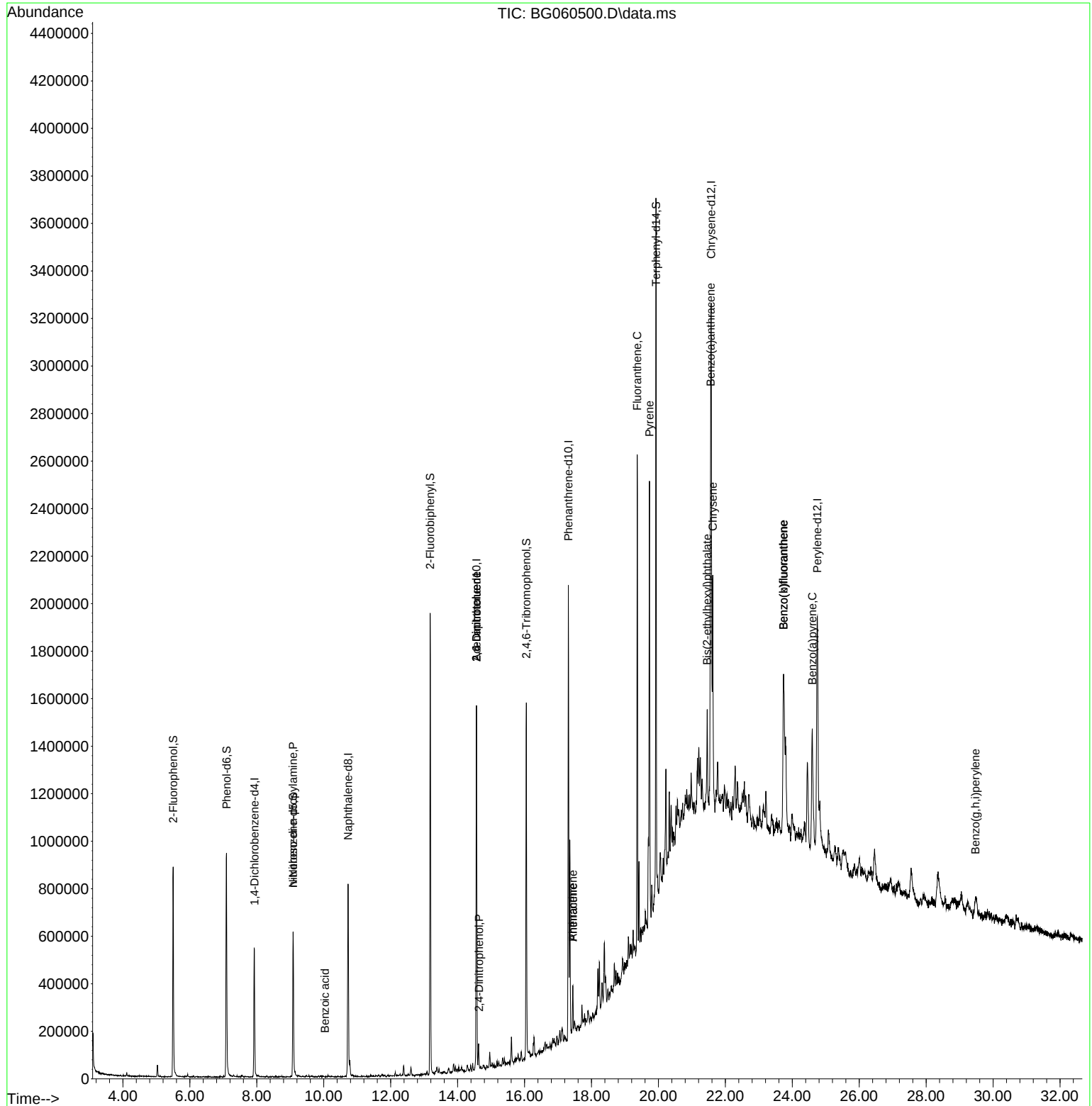
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	177946	20.000	ng	0.00
21) Naphthalene-d8	10.731	136	754597	20.000	ng	0.00
39) Acenaphthene-d10	14.562	164	558381	20.000	ng	0.00
64) Phenanthrene-d10	17.312	188	1252294	20.000	ng	# 0.00
76) Chrysene-d12	21.578	240	1105619	20.000	ng	0.00
86) Perylene-d12	24.750	264	1247256	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.502	112	457438	42.282	ng	0.00
7) Phenol-d6	7.094	99	671049	41.888	ng	0.00
23) Nitrobenzene-d5	9.086	82	424894	26.588	ng	0.00
42) 2,4,6-Tribromophenol	16.055	330	336145	40.916	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	1105548	27.527	ng	0.00
79) Terphenyl-d14	19.932	244	1636078	27.883	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.086	70	56204	5.069	ng	# 89
32) Benzoic acid	10.038	122	113	10.213	ng	# 54
51) 2,6-Dinitrotoluene	14.562	165	73190	8.038	ng	# 33
54) 2,4-Dinitrophenol	14.639	184	212	8.621	ng	# 1
57) 2,4-Dinitrotoluene	14.562	165	73190	5.862	ng	# 25
71) Phenanthrene	17.447	178	144688	2.390	ng	99
72) Anthracene	17.447	178	144688	2.394	ng	98
75) Fluoranthene	19.368	202	1368932	18.829	ng	91
78) Pyrene	19.733	202	1220530	17.287	ng	# 85
81) Benzo(a)anthracene	21.560	228	768894	11.234	ng	92
83) Chrysene	21.625	228	705263	10.477	ng	93
84) Bis(2-ethylhexyl)phtha...	21.460	149	161850	4.409	ng	# 98
88) Benzo(b)fluoranthene	23.740	252	937318	12.721	ng	98
89) Benzo(k)fluoranthene	23.740	252	937318	12.891	ng	98
90) Benzo(a)pyrene	24.597	252	590573	8.873	ng	94
92) Benzo(g,h,i)perylene	29.474	276	257307	3.545	ng	97

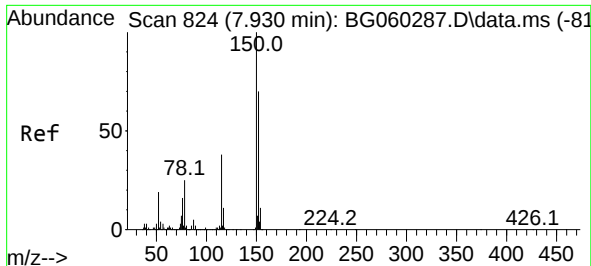
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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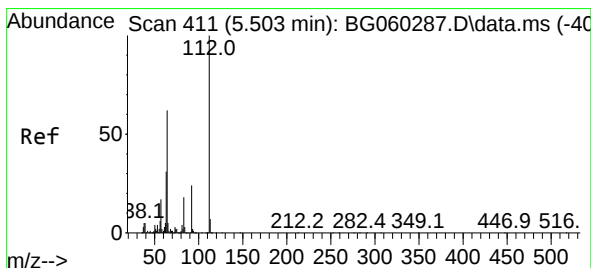
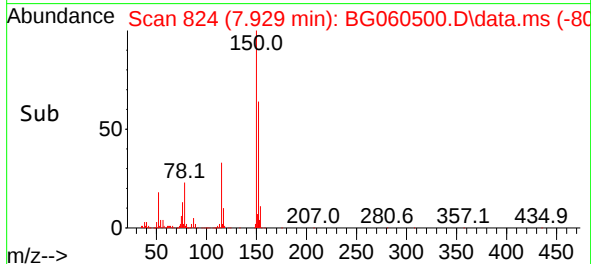
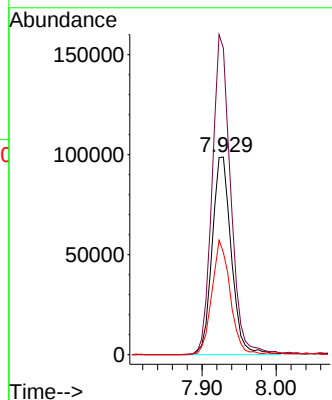
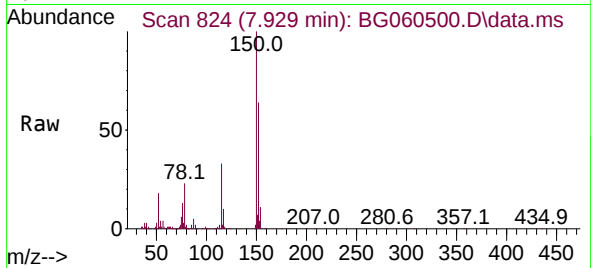




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

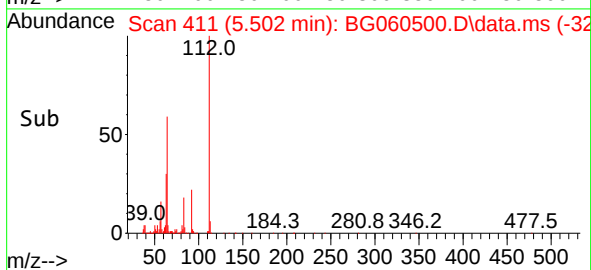
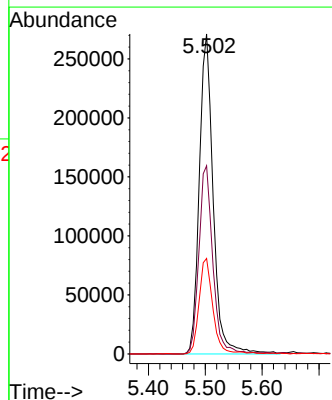
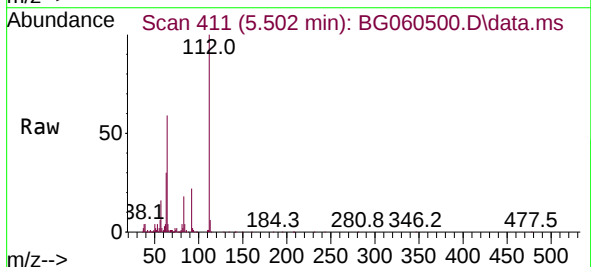
Instrument :
BNA_G
ClientSampleId :
SOUTH-JERSEY-PORT-SAMPLE-SET-2-A

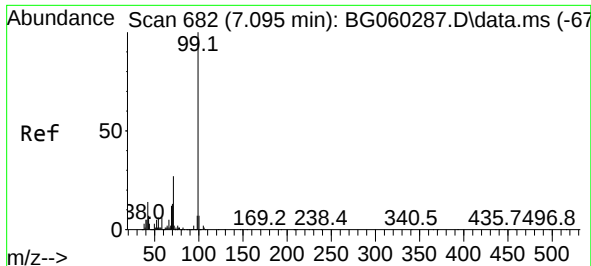
Tgt Ion:152 Resp: 177946
Ion Ratio Lower Upper
152 100
150 155.1 114.5 171.7
115 51.6 43.0 64.6



#5
2-Fluorophenol
Concen: 42.282 ng
RT: 5.502 min Scan# 411
Delta R.T. -0.001 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

Tgt Ion:112 Resp: 457438
Ion Ratio Lower Upper
112 100
64 58.8 49.8 74.6
63 29.8 24.4 36.6

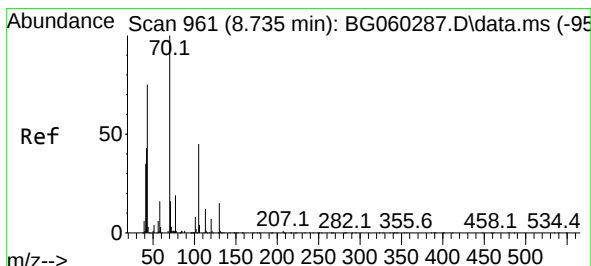
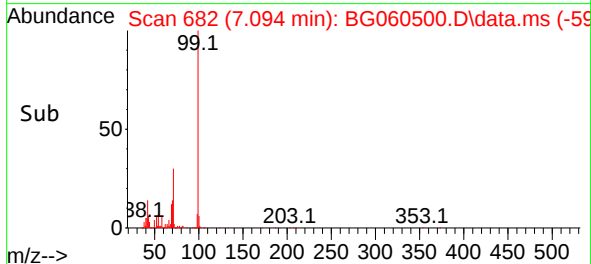
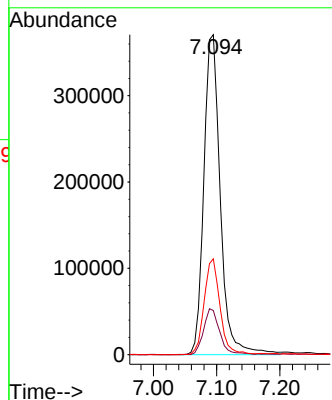
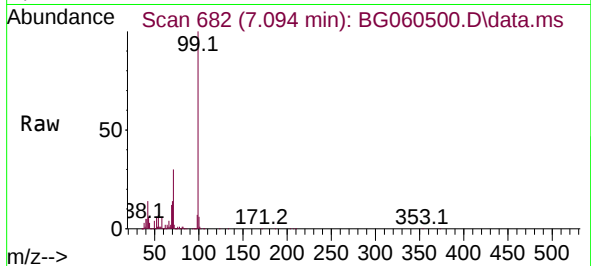




#7
Phenol-d6
Concen: 41.888 ng
RT: 7.094 min Scan# 68
Delta R.T. -0.001 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

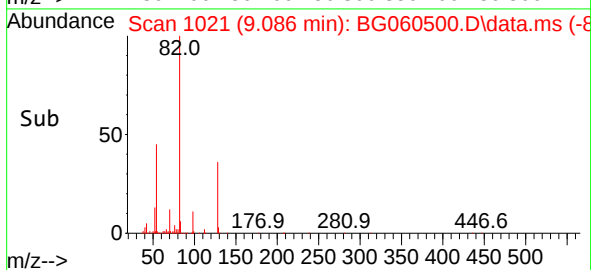
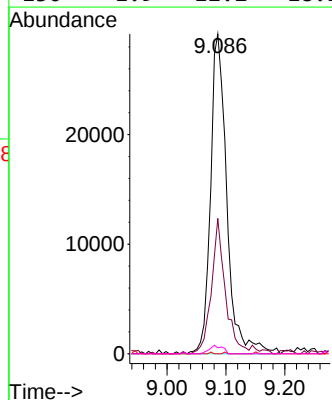
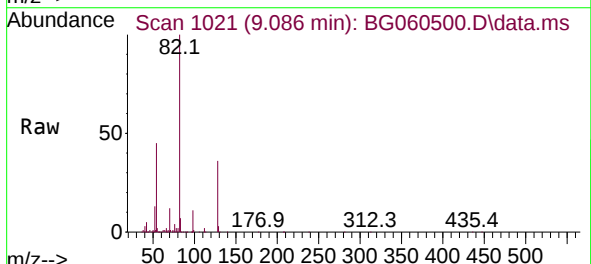
Instrument :
BNA_G
ClientSampleId :
SOUTH-JERSEY-PORT-SAMPLE-SET-2-A

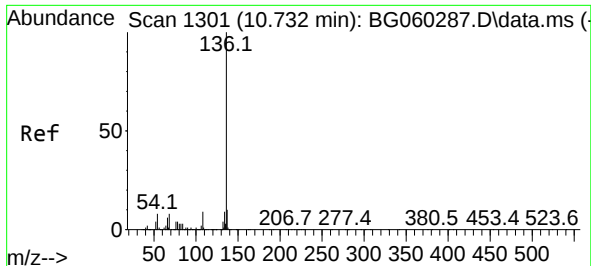
Tgt Ion: 99 Resp: 671049
Ion Ratio Lower Upper
99 100
42 13.8 10.9 16.3
71 29.9 21.5 32.3



#19
n-Nitroso-di-n-propylamine
Concen: 5.069 ng
RT: 9.086 min Scan# 1021
Delta R.T. 0.352 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

Tgt Ion: 70 Resp: 56204
Ion Ratio Lower Upper
70 100
42 42.3 34.3 51.5
101 0.0 6.2 9.2#
130 1.9 12.2 18.2#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 1301
Delta R.T. -0.001 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

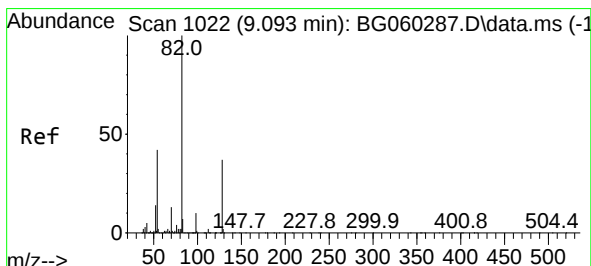
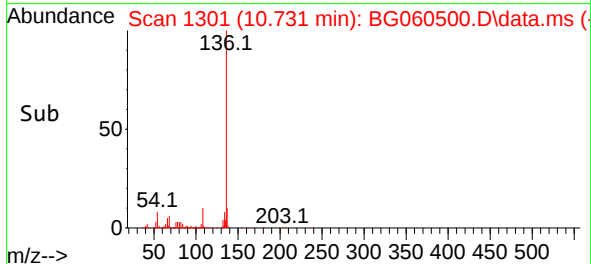
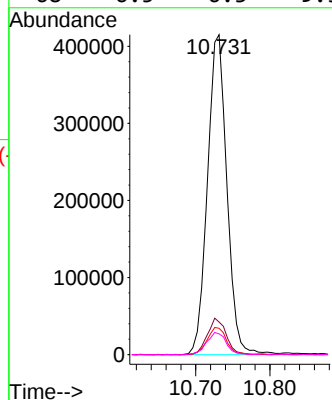
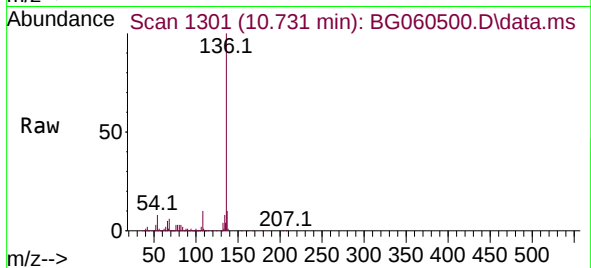
Instrument :

BNA_G

ClientSampleId :

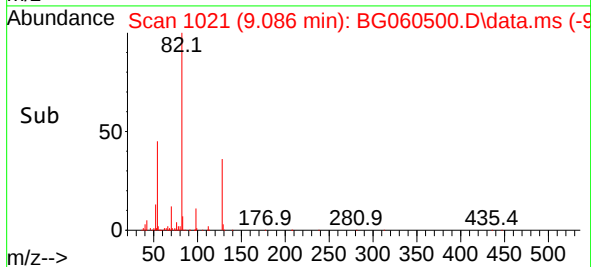
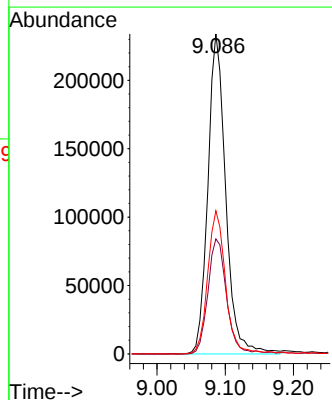
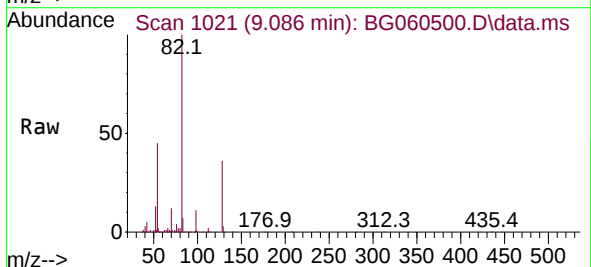
SOUTH-JERSEY-PORT-SAMPLE-SET-2-A

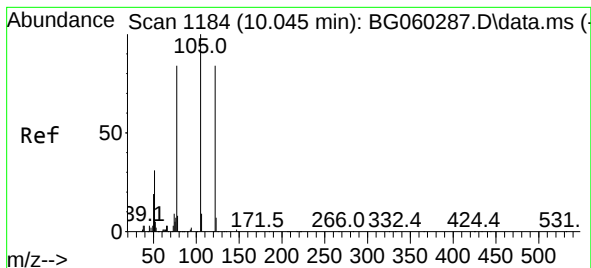
Tgt Ion:136 Resp: 754597
Ion Ratio Lower Upper
136 100
137 10.2 8.2 12.4
54 8.2 6.2 9.2
68 6.5 6.3 9.5



#23
Nitrobenzene-d5
Concen: 26.588 ng
RT: 9.086 min Scan# 1021
Delta R.T. -0.007 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

Tgt Ion: 82 Resp: 424894
Ion Ratio Lower Upper
82 100
128 35.9 29.6 44.4
54 44.8 33.6 50.4





#32

Benzoic acid

Concen: 10.213 ng

RT: 10.038 min Scan# 1184

Delta R.T. -0.007 min

Lab File: BG060500.D

Acq: 31 Jan 2024 2:05

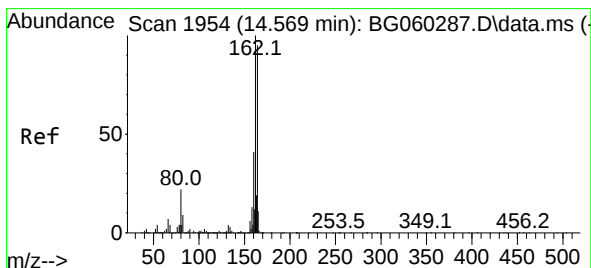
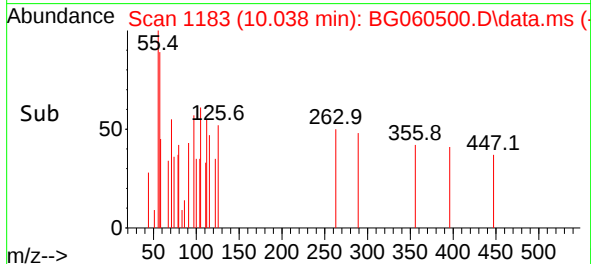
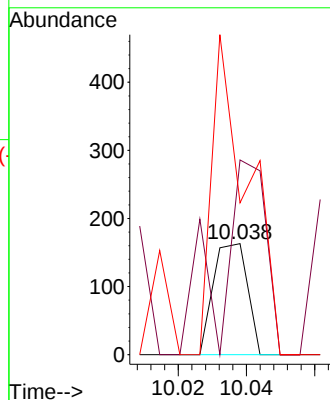
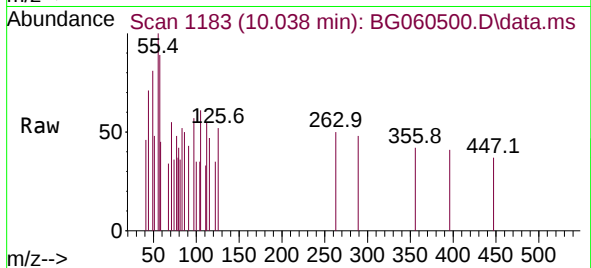
Instrument :

BNA_G

ClientSampleId :

SOUTH-JERSEY-PORT-SAMPLE-SET-2-A

Tgt Ion:122	Resp:	113
Ion Ratio	Lower	Upper
122	100	
105	175.5	96.0 136.0#
77	136.8	80.1 120.1#



#39

Acenaphthene-d10

Concen: 20.000 ng

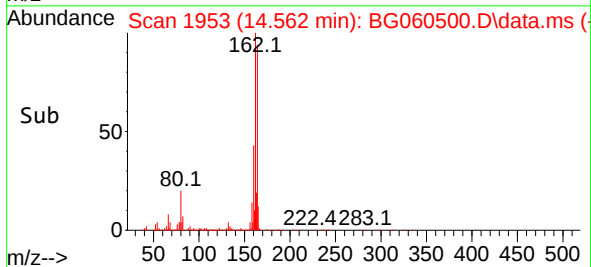
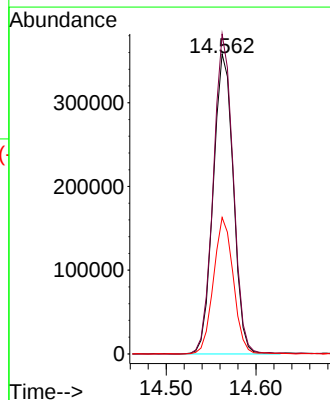
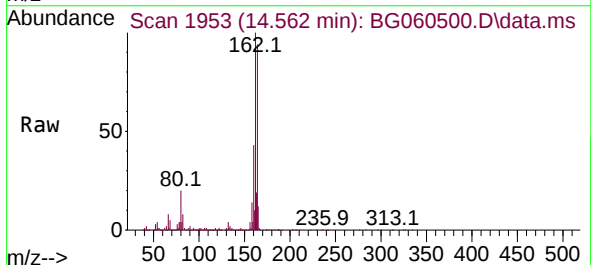
RT: 14.562 min Scan# 1953

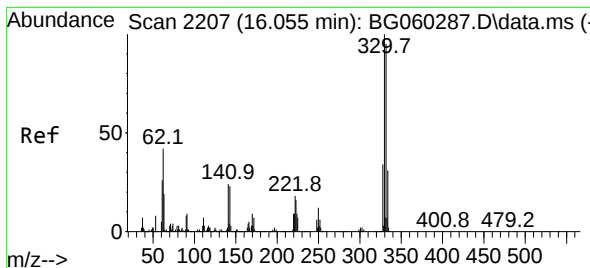
Delta R.T. -0.007 min

Lab File: BG060500.D

Acq: 31 Jan 2024 2:05

Tgt Ion:164	Resp:	558381
Ion Ratio	Lower	Upper
164	100	
162	106.7	84.4 126.6
160	45.5	34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 40.916 ng

RT: 16.055 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG060500.D

Acq: 31 Jan 2024 2:05

Instrument :

BNA_G

ClientSampleId :

SOUTH-JERSEY-PORT-SAMPLE-SET-2-A

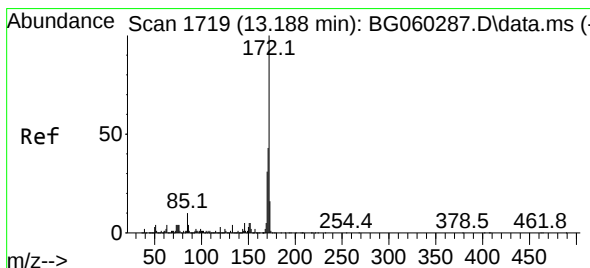
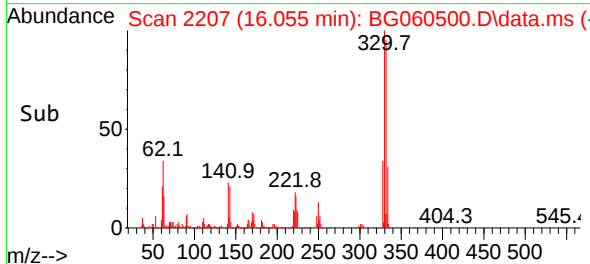
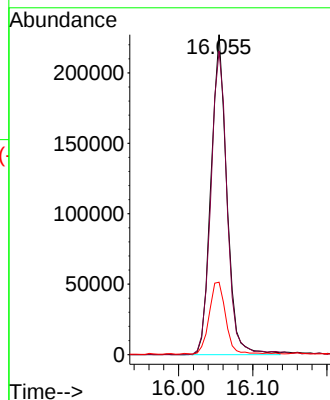
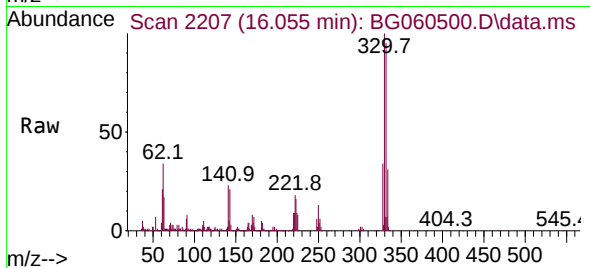
Tgt Ion:330 Resp: 336145

Ion Ratio Lower Upper

330 100

332 96.9 76.7 115.1

141 23.7 18.6 28.0



#45

2-Fluorobiphenyl

Concen: 27.527 ng

RT: 13.181 min Scan# 1718

Delta R.T. -0.007 min

Lab File: BG060500.D

Acq: 31 Jan 2024 2:05

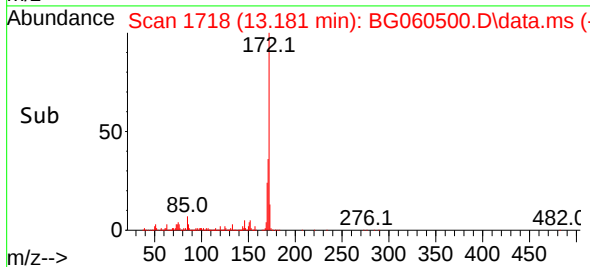
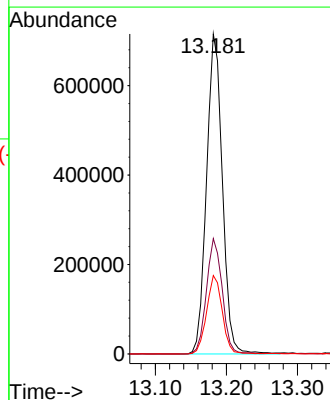
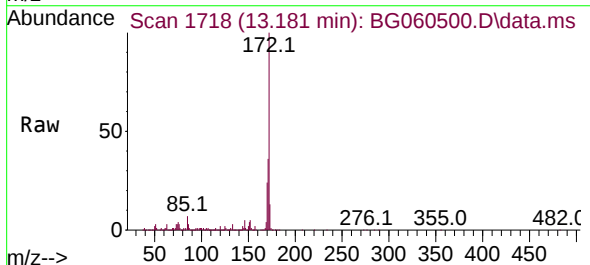
Tgt Ion:172 Resp: 1105548

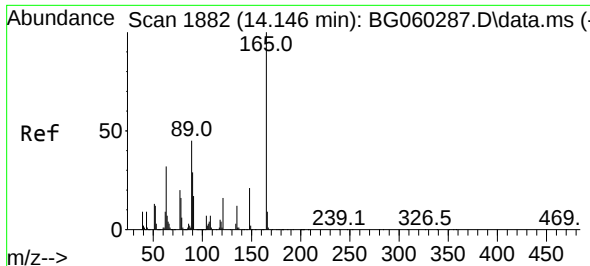
Ion Ratio Lower Upper

172 100

171 36.0 34.6 51.8

170 24.5 24.4 36.6

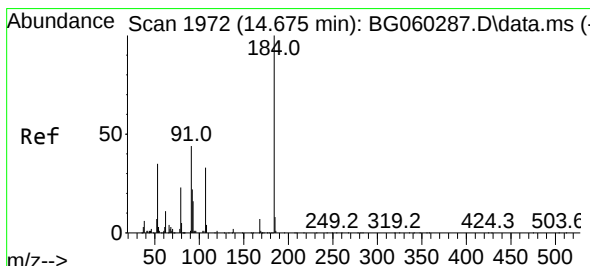
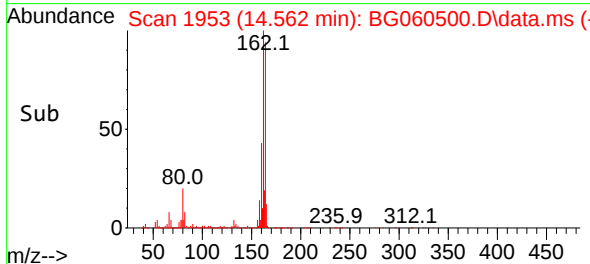
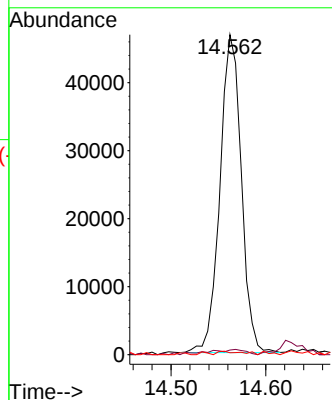
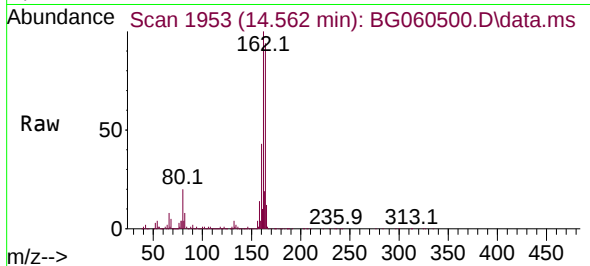




#51
2,6-Dinitrotoluene
Concen: 8.038 ng
RT: 14.562 min Scan# 1953
Delta R.T. 0.416 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

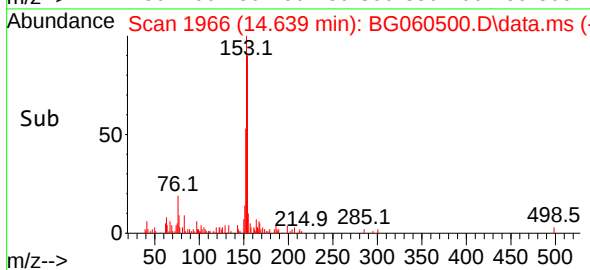
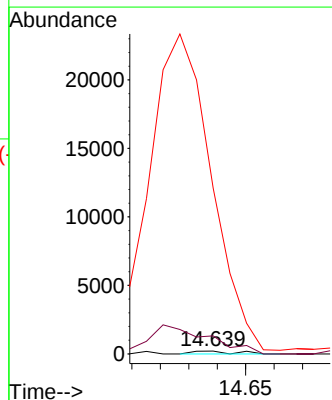
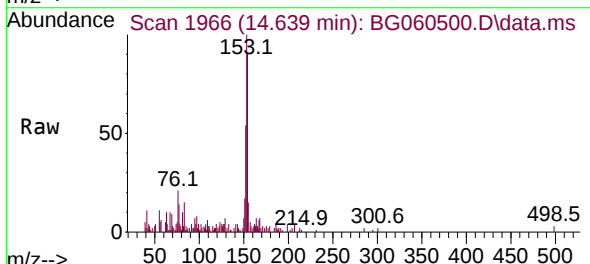
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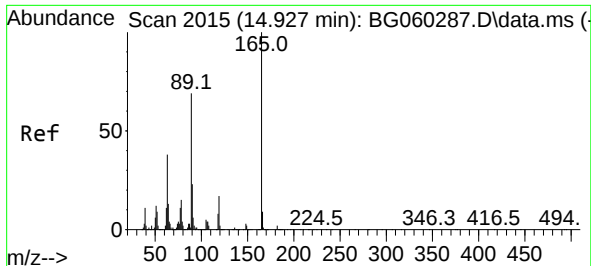
Tgt Ion:165 Resp: 73190
Ion Ratio Lower Upper
165 100
63 1.4 35.0 52.4#
89 0.6 36.2 54.2#



#54
2,4-Dinitrophenol
Concen: 8.621 ng
RT: 14.639 min Scan# 1966
Delta R.T. -0.036 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

Tgt Ion:184 Resp: 212
Ion Ratio Lower Upper
184 100
63 631.6 41.0 61.4#
154 5791.9 39.2 58.8#

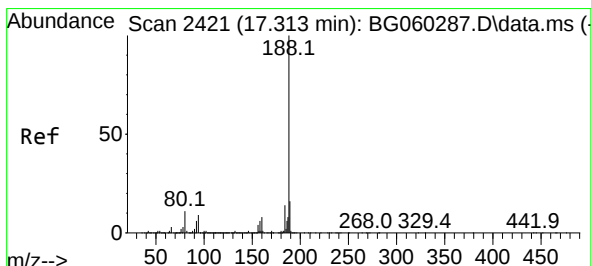
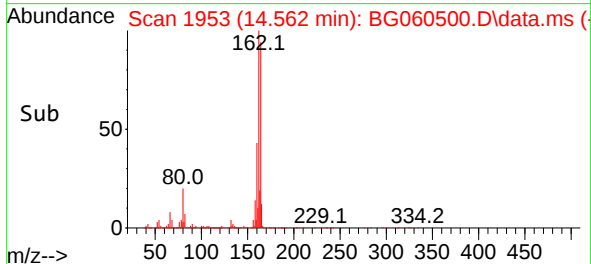
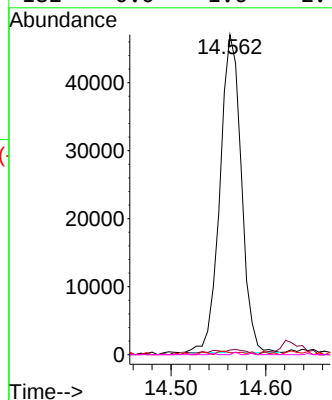
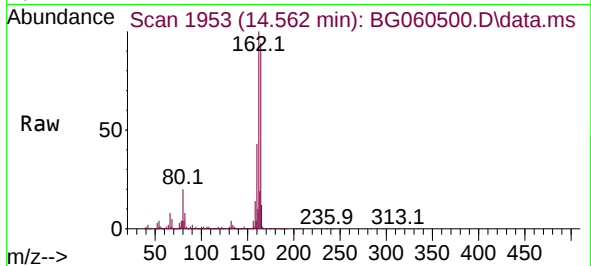




#57
2,4-Dinitrotoluene
Concen: 5.862 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.365 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

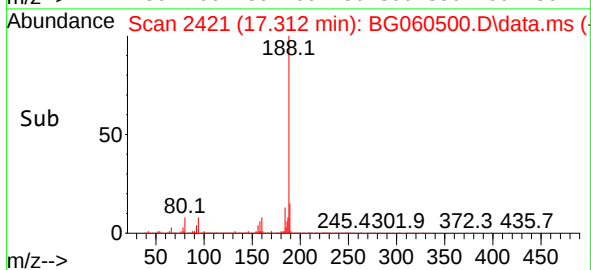
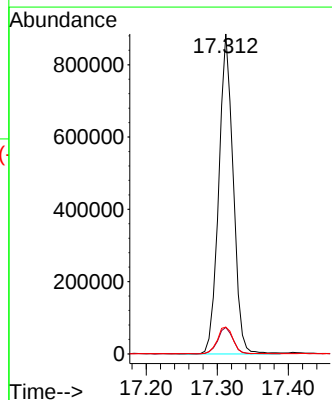
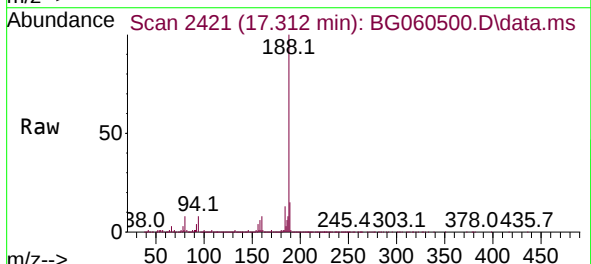
Instrument :
BNA_G
ClientSampleId :
SOUTH-JERSEY-PORT-SAMPLE-SET-2-A

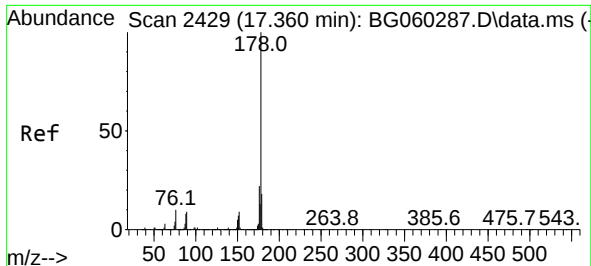
Tgt Ion:165 Resp: 73190
Ion Ratio Lower Upper
165 100
63 1.4 30.4 45.6#
89 0.6 55.4 83.0#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.312 min Scan# 2421
Delta R.T. -0.001 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

Tgt Ion:188 Resp: 1252294
Ion Ratio Lower Upper
188 100
94 8.3 7.1 10.7
80 8.4 8.5 12.7#

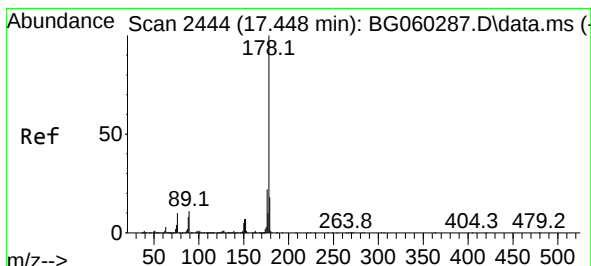
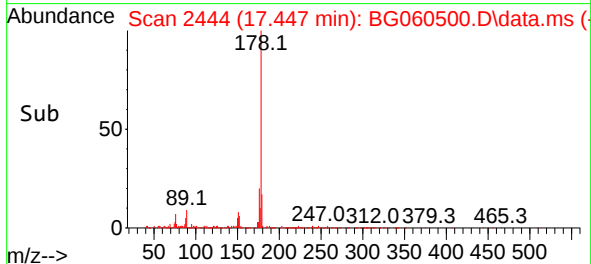
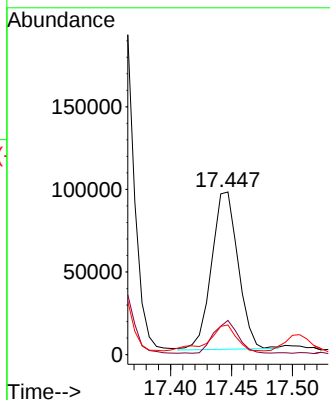
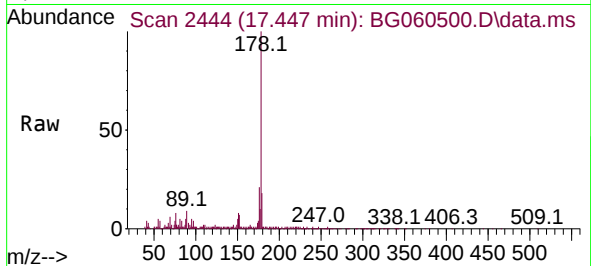




#71
Phenanthrene
Concen: 2.390 ng
RT: 17.447 min Scan# 2444
Delta R.T. 0.087 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

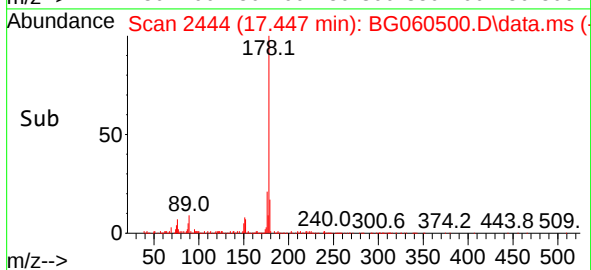
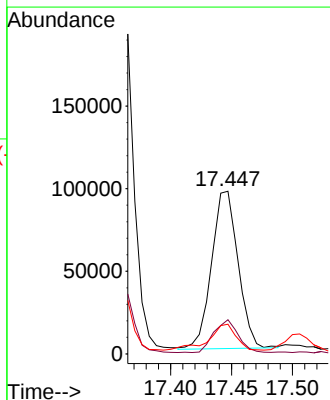
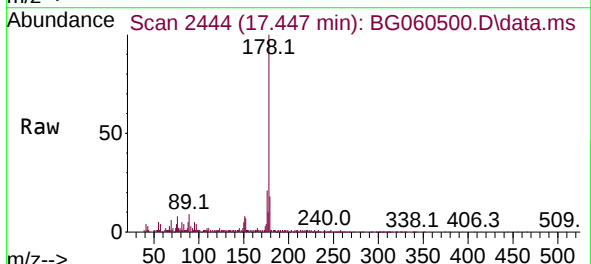
Instrument :
BNA_G
ClientSampleId :
SOUTH-JERSEY-PORT-SAMPLE-SET-2-A

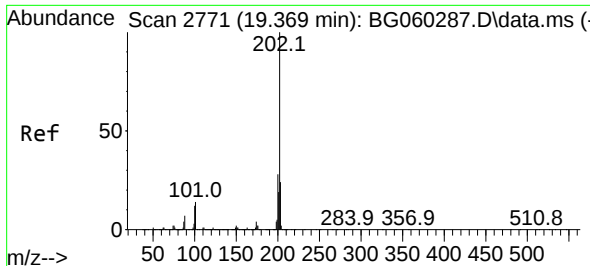
Tgt Ion:178 Resp: 144688
Ion Ratio Lower Upper
178 100
176 21.0 17.4 26.2
179 18.2 14.7 22.1



#72
Anthracene
Concen: 2.394 ng
RT: 17.447 min Scan# 2444
Delta R.T. -0.001 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

Tgt Ion:178 Resp: 144688
Ion Ratio Lower Upper
178 100
176 21.0 17.8 26.6
179 18.2 14.1 21.1

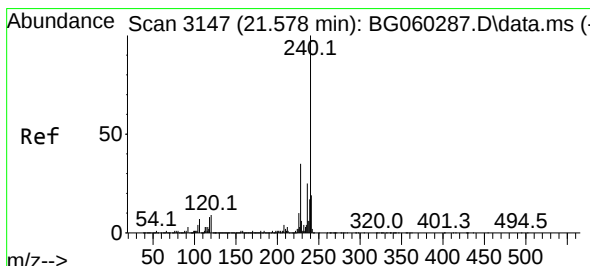
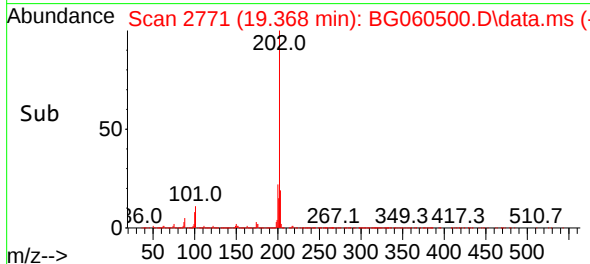
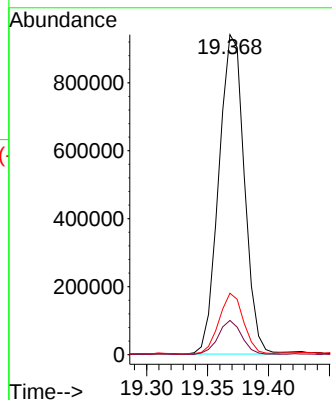
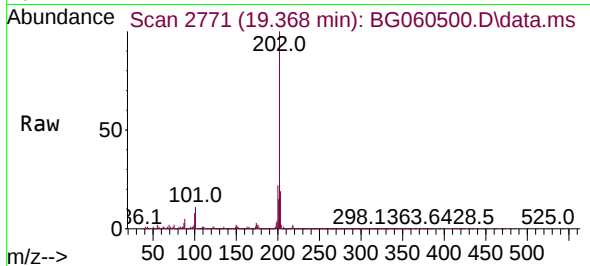




#75
Fluoranthene
Concen: 18.829 ng
RT: 19.368 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

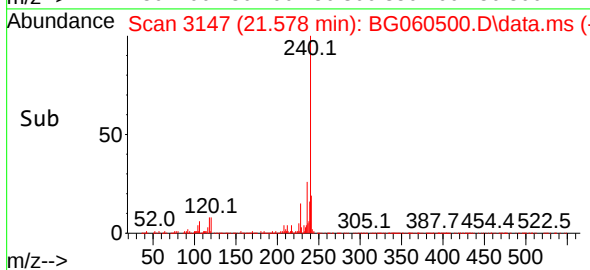
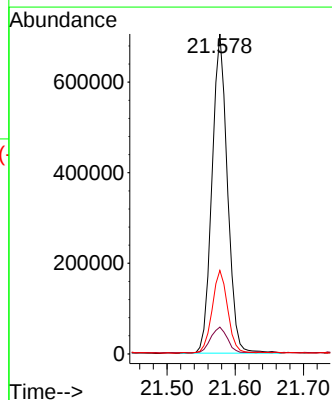
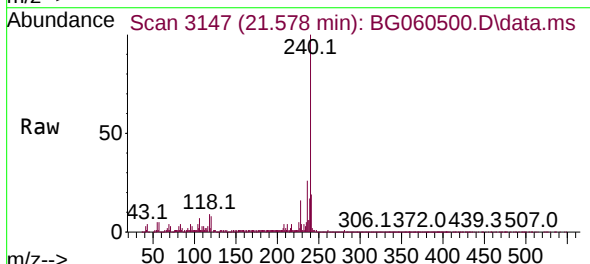
Instrument :
BNA_G
ClientSampleId :
SOUTH-JERSEY-PORT-SAMPLE-SET-2-A

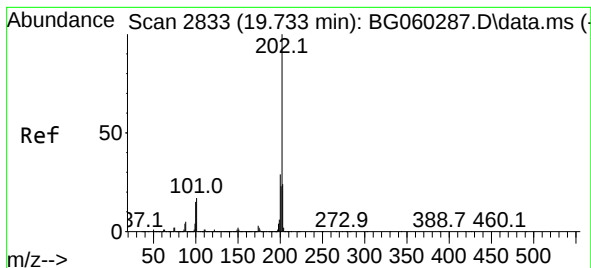
Tgt Ion:202 Resp: 1368932
Ion Ratio Lower Upper
202 100
101 10.7 0.0 34.4
203 19.2 4.0 44.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.578 min Scan# 3147
Delta R.T. -0.001 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

Tgt Ion:240 Resp: 1105619
Ion Ratio Lower Upper
240 100
120 8.4 7.3 10.9
236 26.1 20.3 30.5





#78

Pyrene

Concen: 17.287 ng

RT: 19.733 min Scan# 2833

Delta R.T. -0.001 min

Lab File: BG060500.D

Acq: 31 Jan 2024 2:05

Instrument :

BNA_G

ClientSampleId :

SOUTH-JERSEY-PORT-SAMPLE-SET-2-A

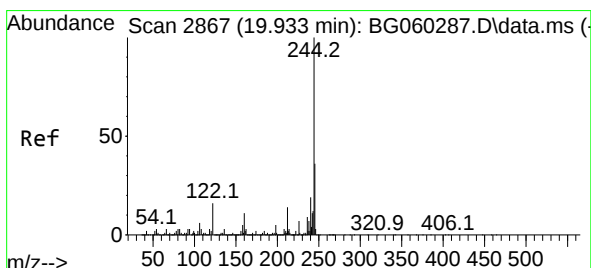
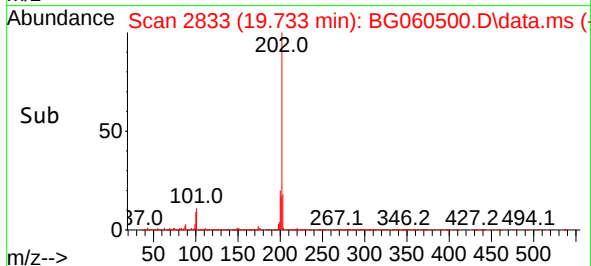
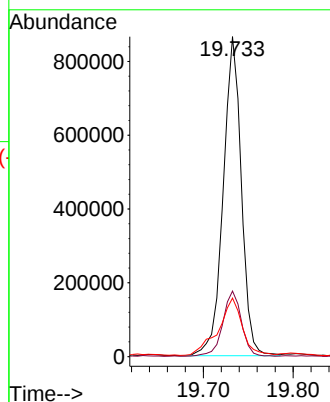
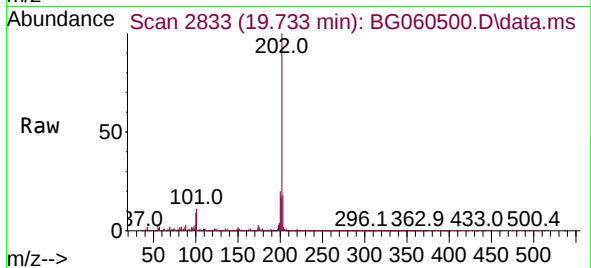
Tgt Ion:202 Resp: 1220530

Ion Ratio Lower Upper

202 100

200 20.5 23.5 35.3#

203 18.3 19.6 29.4#



#79

Terphenyl-d14

Concen: 27.883 ng

RT: 19.932 min Scan# 2867

Delta R.T. -0.001 min

Lab File: BG060500.D

Acq: 31 Jan 2024 2:05

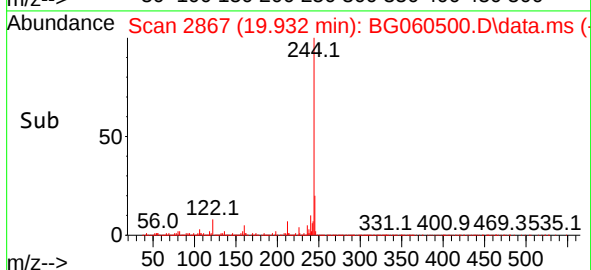
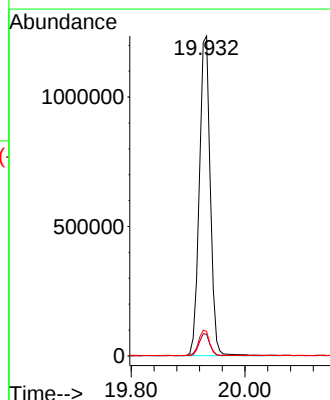
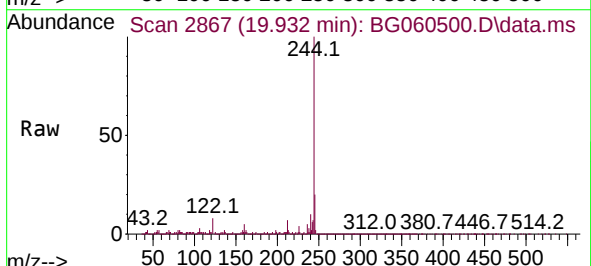
Tgt Ion:244 Resp: 1636078

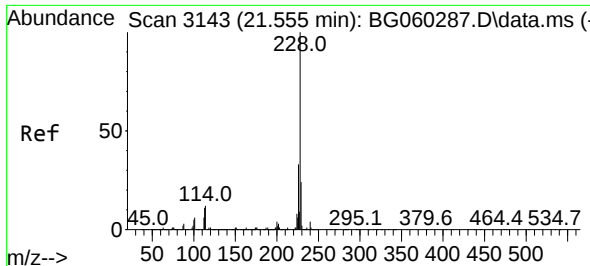
Ion Ratio Lower Upper

244 100

212 6.8 10.9 16.3#

122 7.6 12.6 18.8#

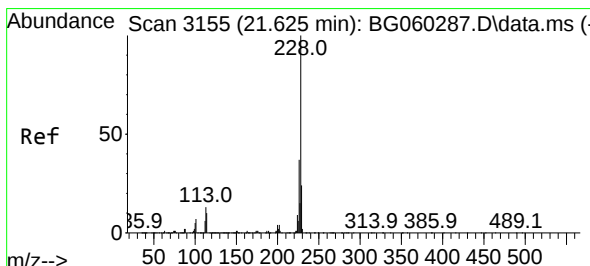
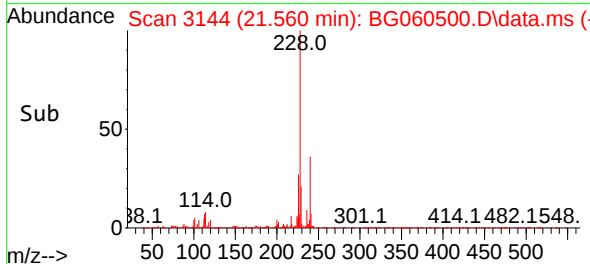
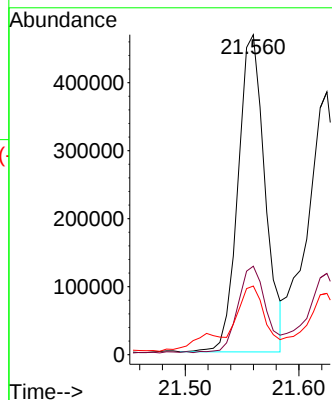
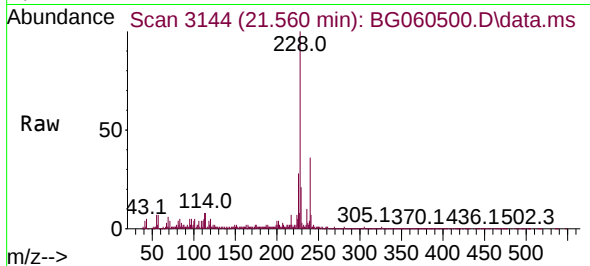




#81
Benzo(a)anthracene
Concen: 11.234 ng
RT: 21.560 min Scan# 3144
Delta R.T. 0.005 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

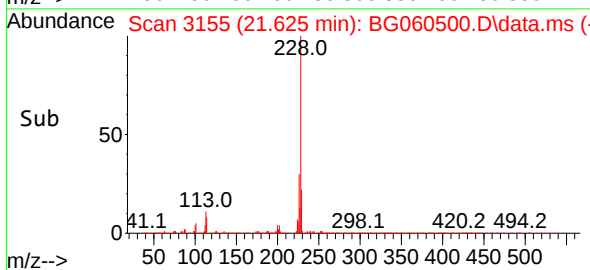
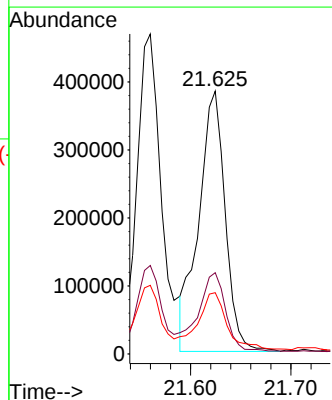
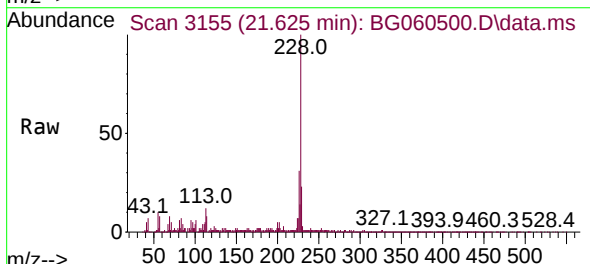
Instrument :
BNA_G
ClientSampleId :
SOUTH-JERSEY-PORT-SAMPLE-SET-2-A

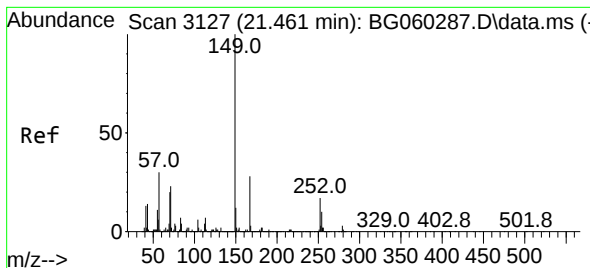
Tgt Ion:228 Resp: 768894
Ion Ratio Lower Upper
228 100
226 27.6 26.2 39.2
229 21.4 19.4 29.2



#83
Chrysene
Concen: 10.477 ng
RT: 21.625 min Scan# 3155
Delta R.T. -0.001 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

Tgt Ion:228 Resp: 705263
Ion Ratio Lower Upper
228 100
226 30.9 29.4 44.2
229 23.3 19.2 28.8

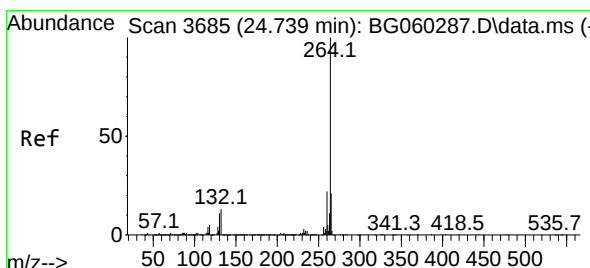
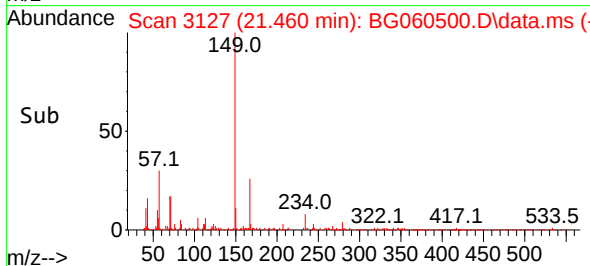
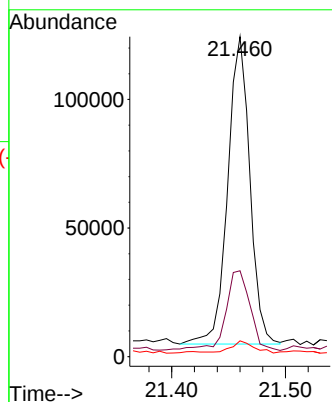
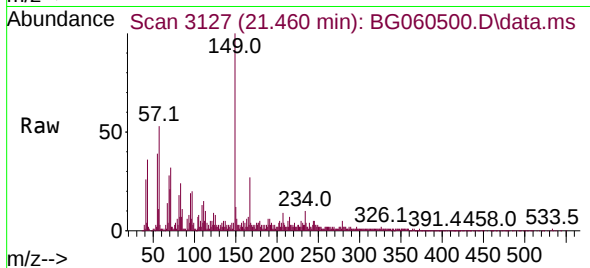




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.409 ng
RT: 21.460 min Scan# 3127
Delta R.T. -0.001 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

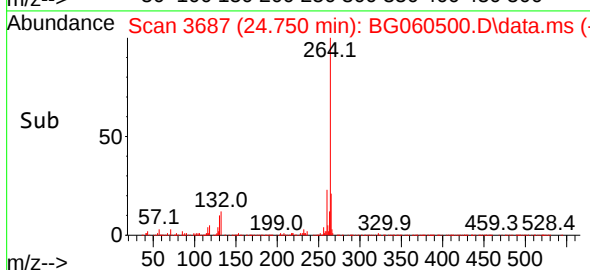
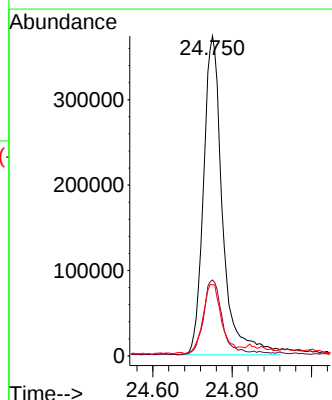
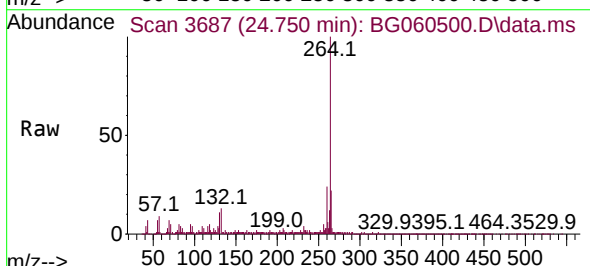
Instrument : BNA_G
ClientSampleId : SOUTH-JERSEY-PORT-SAMPLE-SET-2-A

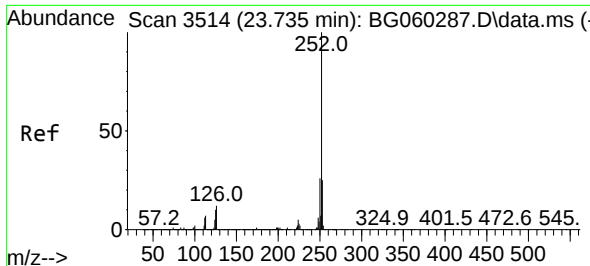
Tgt Ion:149 Resp: 161850
Ion Ratio Lower Upper
149 100
167 26.8 22.2 33.2
279 4.9 2.7 4.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.750 min Scan# 3687
Delta R.T. 0.011 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

Tgt Ion:264 Resp: 1247256
Ion Ratio Lower Upper
264 100
260 23.7 17.8 26.6
265 22.3 16.8 25.2

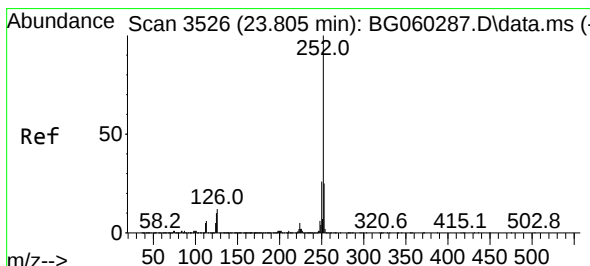
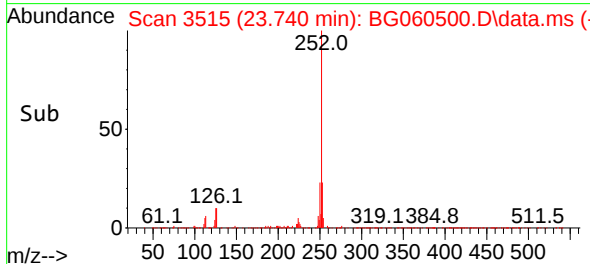
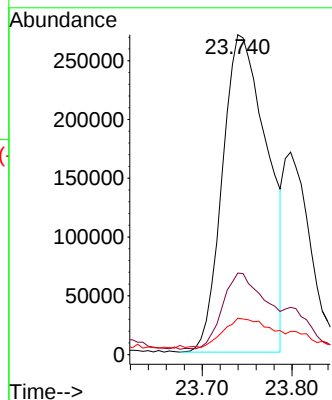
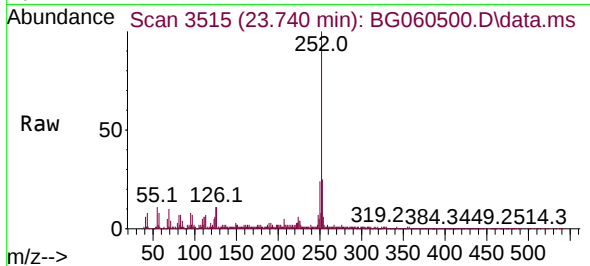




#88
Benzo(b)fluoranthene
Concen: 12.721 ng
RT: 23.740 min Scan# 3515
Delta R.T. 0.005 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

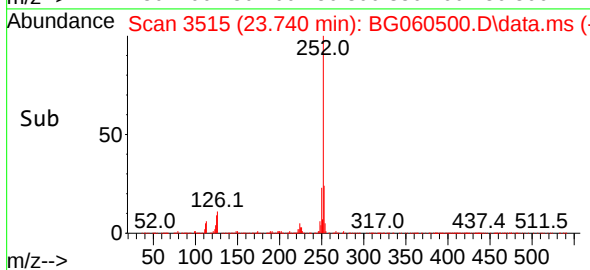
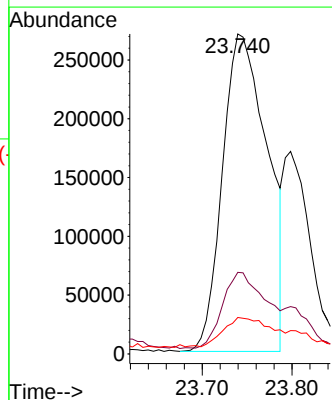
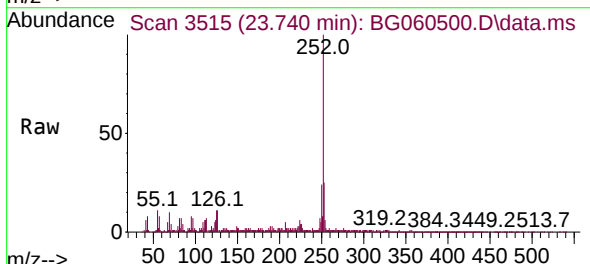
Instrument :
BNA_G
ClientSampleId :
SOUTH-JERSEY-PORT-SAMPLE-SET-2-A

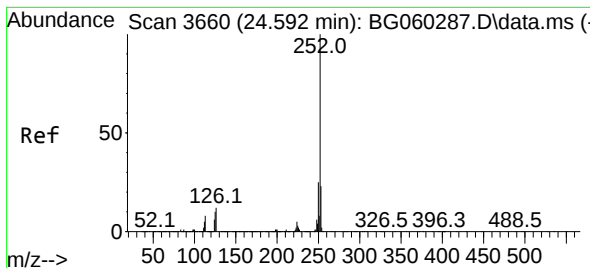
Tgt Ion:252 Resp: 937318
Ion Ratio Lower Upper
252 100
253 25.5 20.0 30.0
125 11.4 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 12.891 ng
RT: 23.740 min Scan# 3515
Delta R.T. -0.065 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

Tgt Ion:252 Resp: 937318
Ion Ratio Lower Upper
252 100
253 25.5 19.6 29.4
125 11.4 8.2 12.2





#90

Benzo(a)pyrene

Concen: 8.873 ng

RT: 24.597 min Scan# 3661

Delta R.T. 0.005 min

Lab File: BG060500.D

Acq: 31 Jan 2024 2:05

Instrument :

BNA_G

ClientSampleId :

SOUTH-JERSEY-PORT-SAMPLE-SET-2-A

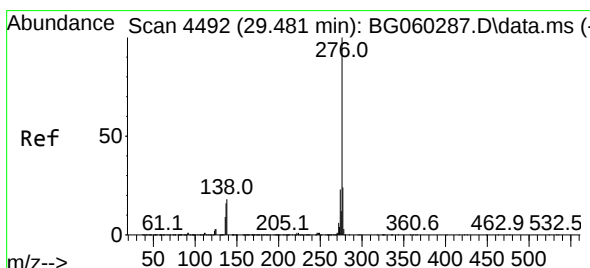
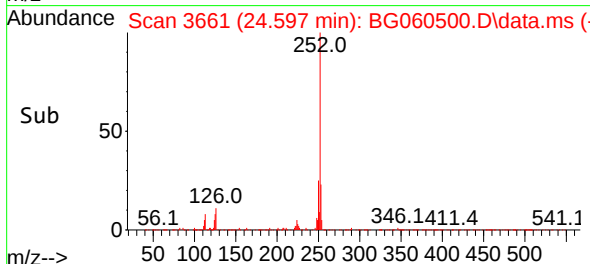
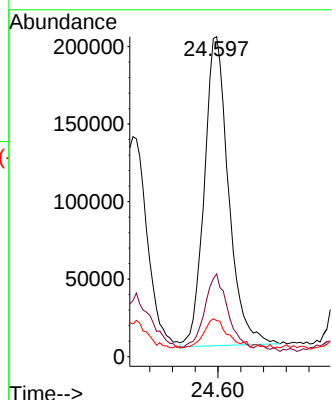
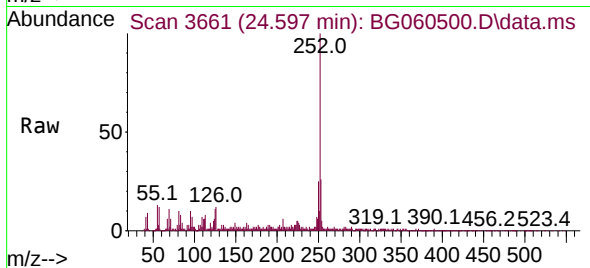
Tgt Ion:252 Resp: 590573

Ion Ratio Lower Upper

252 100

253 25.9 18.1 27.1

125 11.2 8.1 12.1



#92

Benzo(g,h,i)perylene

Concen: 3.545 ng

RT: 29.474 min Scan# 4491

Delta R.T. -0.007 min

Lab File: BG060500.D

Acq: 31 Jan 2024 2:05

Tgt Ion:276 Resp: 257307

Ion Ratio Lower Upper

276 100

277 25.9 19.4 29.0

138 18.6 14.2 21.4

