

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
 Data File : BG060499.D
 Acq On : 31 Jan 2024 1:25
 Operator : MA/JU
 Sample : P1188-02 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jan 31 04:41:46 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)

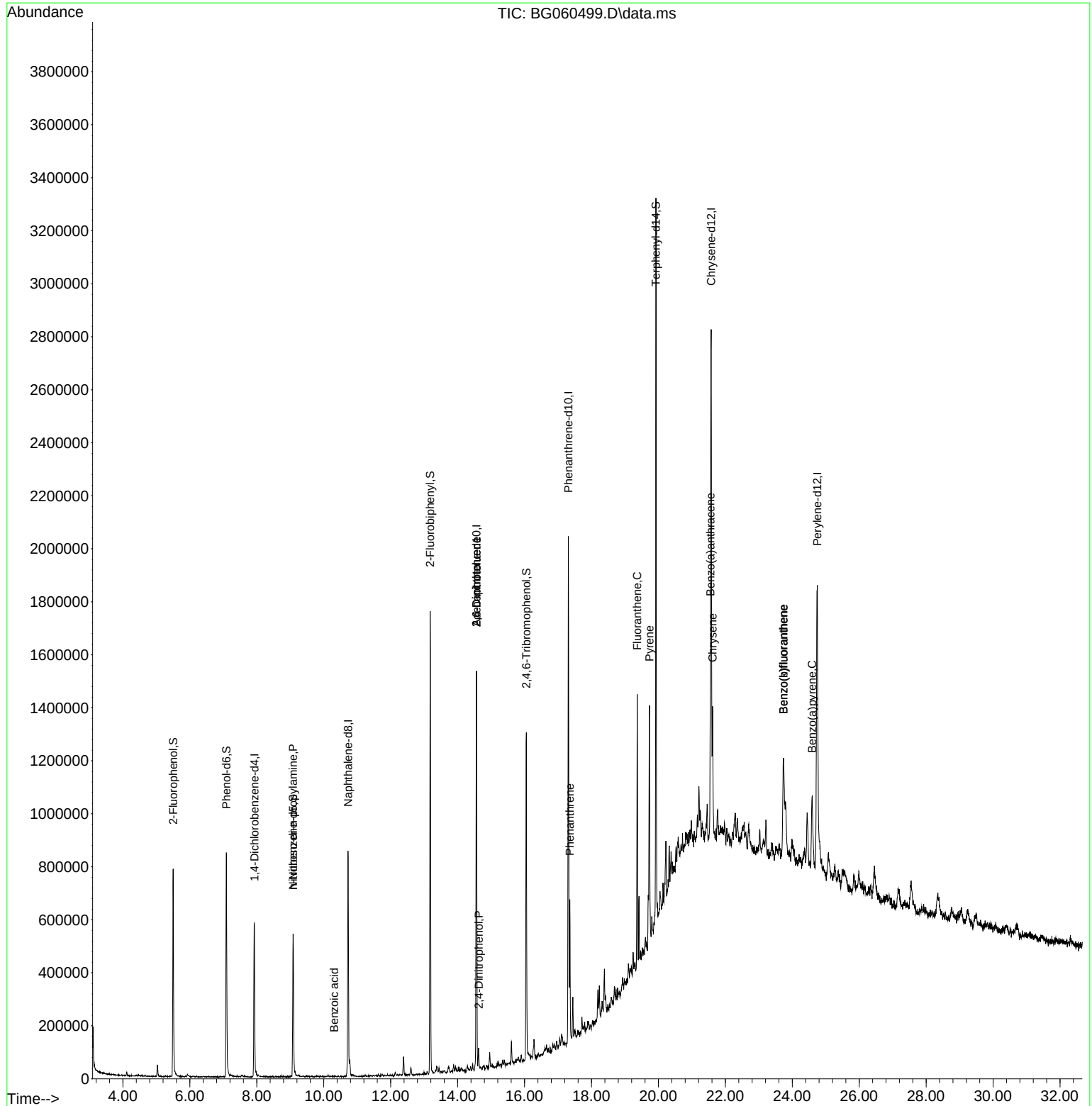
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	192496	20.000	ng	0.00
21) Naphthalene-d8	10.725	136	766882	20.000	ng	0.00
39) Acenaphthene-d10	14.562	164	550275	20.000	ng	0.00
64) Phenanthrene-d10	17.311	188	1293048	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1118225	20.000	ng	0.00
86) Perylene-d12	24.744	264	1264586	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.502	112	403585	34.484	ng	0.00
7) Phenol-d6	7.088	99	615377	35.509	ng	0.00
23) Nitrobenzene-d5	9.086	82	385560	23.740	ng	0.00
42) 2,4,6-Tribromophenol	16.054	330	299127	36.947	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	1013919	25.618	ng	0.00
79) Terphenyl-d14	19.926	244	1428606	23.079	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.086	70	45551	3.798	ng	# 85
32) Benzoic acid	10.314	122	73	10.209	ng	94
51) 2,6-Dinitrotoluene	14.562	165	76582	8.535	ng	# 33
54) 2,4-Dinitrophenol	14.632	184	73	8.599	ng	# 1
57) 2,4-Dinitrotoluene	14.562	165	76582	6.224	ng	# 26
71) Phenanthrene	17.352	178	346378	5.542	ng	93
75) Fluoranthene	19.368	202	674144	8.980	ng	87
78) Pyrene	19.732	202	609532	8.536	ng	# 86
81) Benzo(a)anthracene	21.553	228	362959	5.243	ng	94
83) Chrysene	21.618	228	363595	5.340	ng	# 89
88) Benzo(b)fluoranthene	23.739	252	491115	6.574	ng	99
89) Benzo(k)fluoranthene	23.739	252	491115	6.662	ng	98
90) Benzo(a)pyrene	24.591	252	308815	4.576	ng	# 98

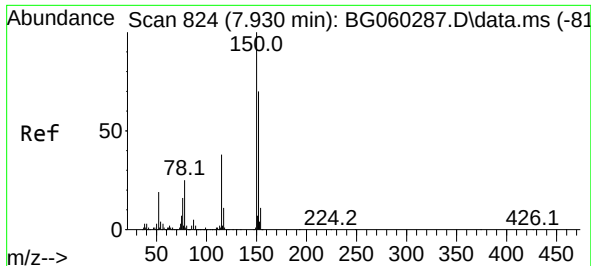
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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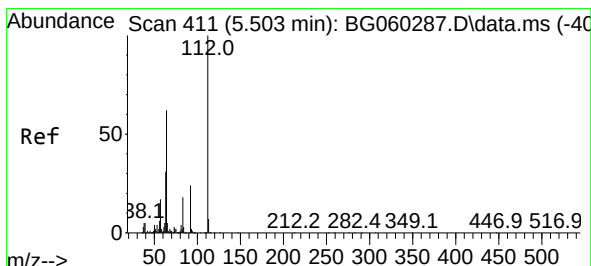
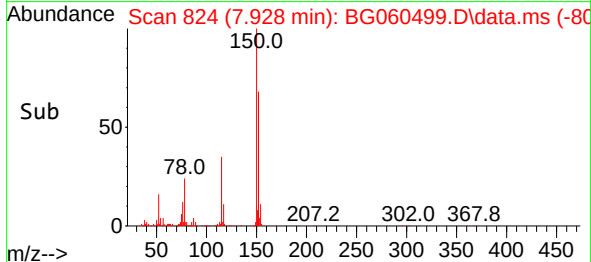
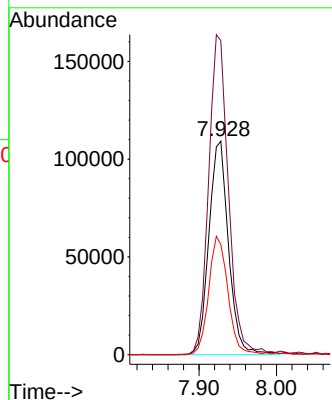
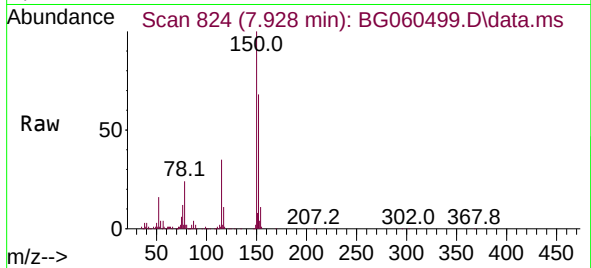




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.928 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

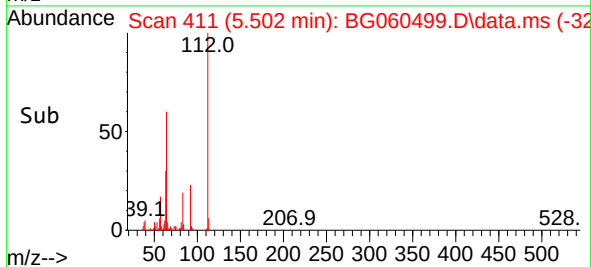
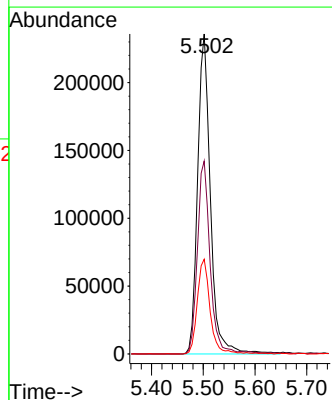
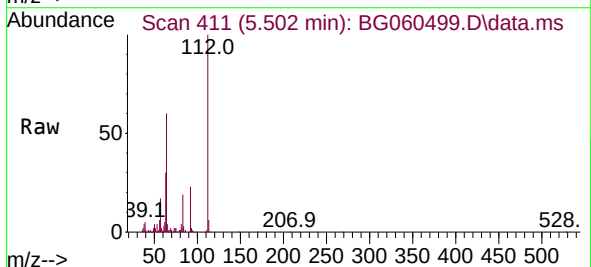
Instrument :
BNA_G
ClientSampleId :
SOUTH-JERSEY-PORT-SAMPLE-SET-2-B

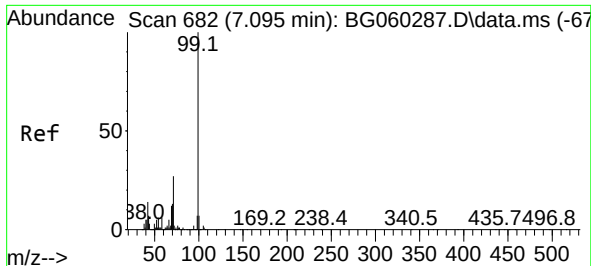
Tgt Ion:152 Resp: 192496
Ion Ratio Lower Upper
152 100
150 147.0 114.5 171.7
115 51.5 43.0 64.6



#5
2-Fluorophenol
Concen: 34.484 ng
RT: 5.502 min Scan# 411
Delta R.T. -0.001 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

Tgt Ion:112 Resp: 403585
Ion Ratio Lower Upper
112 100
64 60.3 49.8 74.6
63 29.6 24.4 36.6

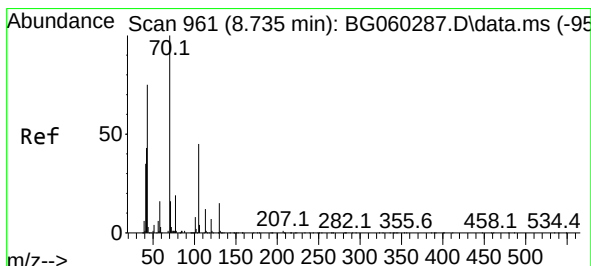
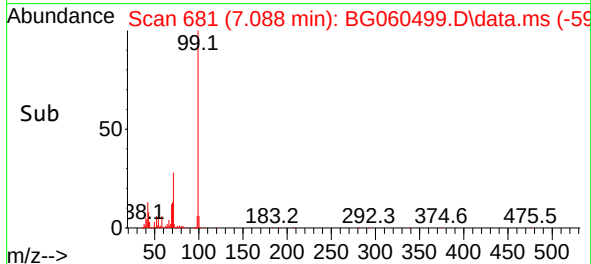
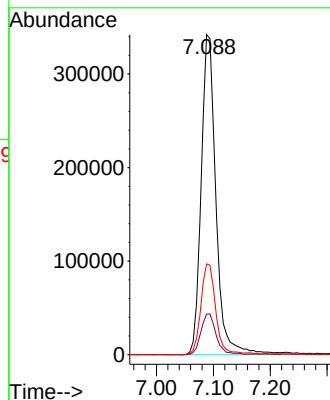
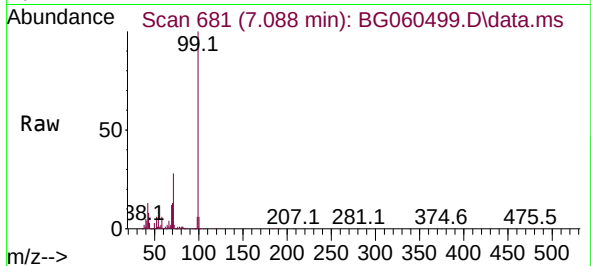




#7
Phenol-d6
Concen: 35.509 ng
RT: 7.088 min Scan# 61
Delta R.T. -0.007 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

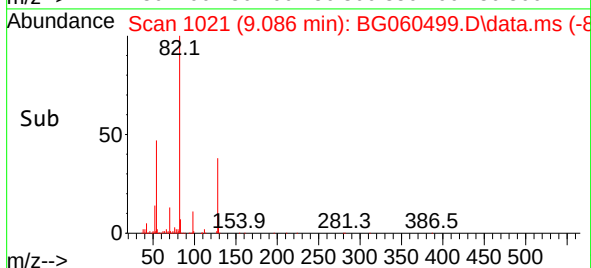
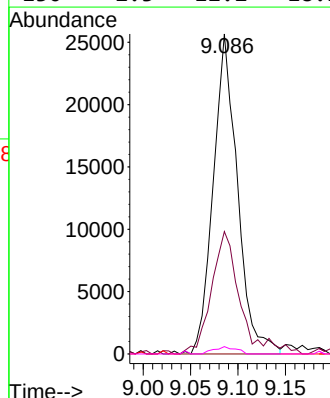
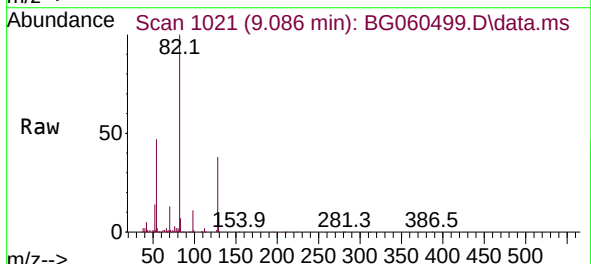
Instrument :
BNA_G
ClientSampleId :
SOUTH-JERSEY-PORT-SAMPLE-SET-2-B

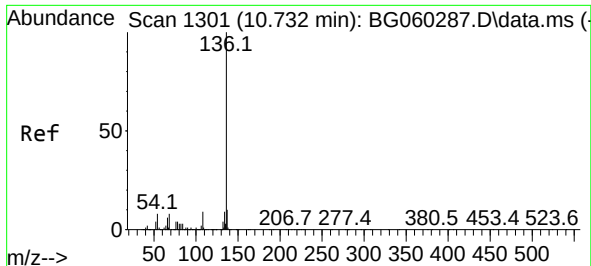
Tgt Ion: 99 Resp: 615377
Ion Ratio Lower Upper
99 100
42 12.6 10.9 16.3
71 28.3 21.5 32.3



#19
n-Nitroso-di-n-propylamine
Concen: 3.798 ng
RT: 9.086 min Scan# 1021
Delta R.T. 0.351 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

Tgt Ion: 70 Resp: 45551
Ion Ratio Lower Upper
70 100
42 38.2 34.3 51.5
101 0.0 6.2 9.2#
130 2.3 12.2 18.2#

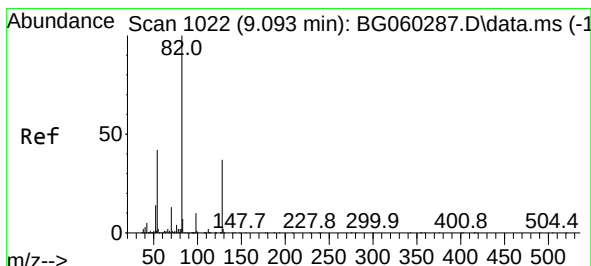
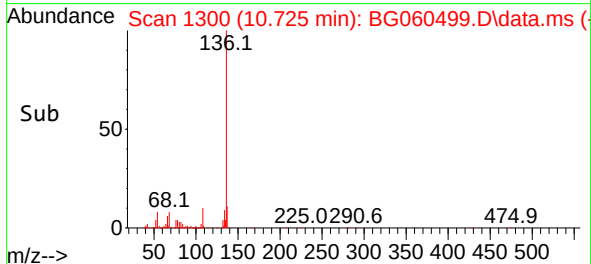
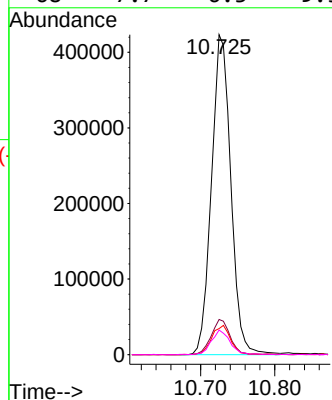
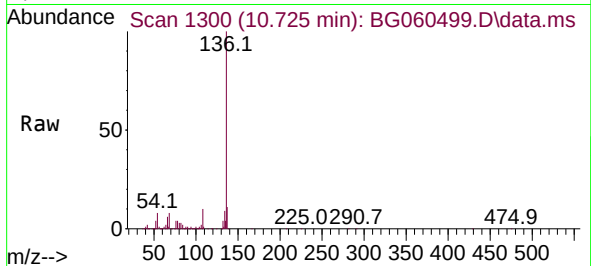




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.725 min Scan# 1301
Delta R.T. -0.007 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

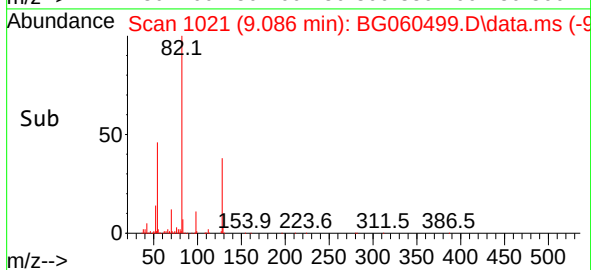
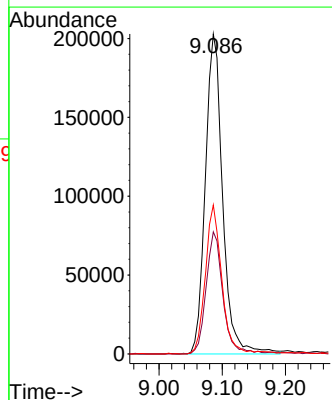
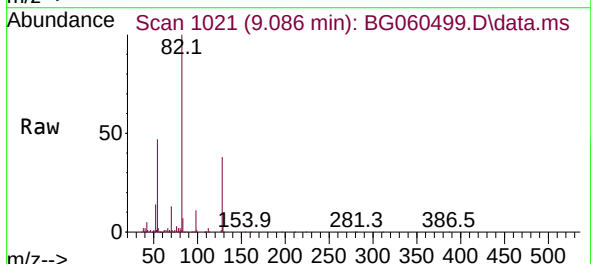
Instrument : BNA_G
ClientSampleId : SOUTH-JERSEY-PORT-SAMPLE-SET-2-B

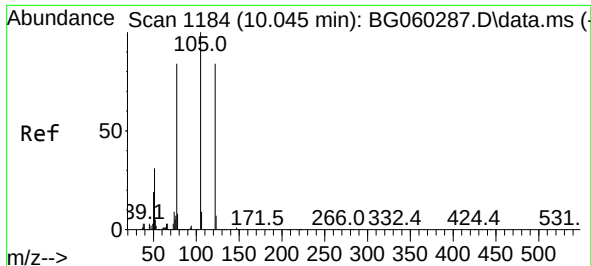
Tgt Ion:	136	Resp:	766882
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.2	12.4
54	8.1	6.2	9.2
68	7.7	6.3	9.5



#23
Nitrobenzene-d5
Concen: 23.740 ng
RT: 9.086 min Scan# 1021
Delta R.T. -0.007 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

Tgt Ion:	82	Resp:	385560
Ion Ratio	Lower	Upper	
82	100		
128	38.1	29.6	44.4
54	46.5	33.6	50.4

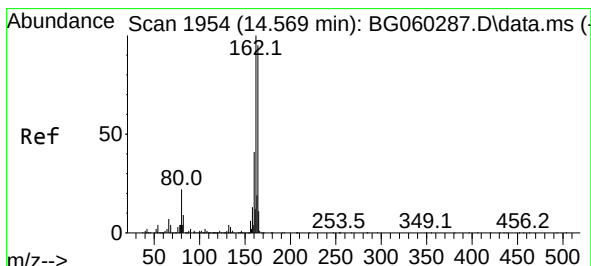
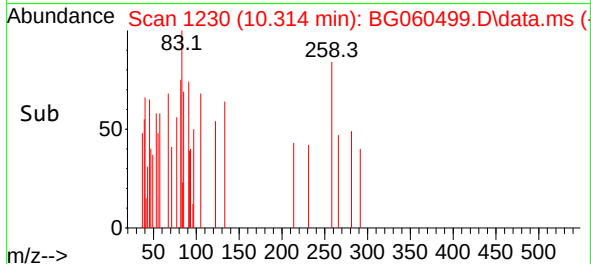
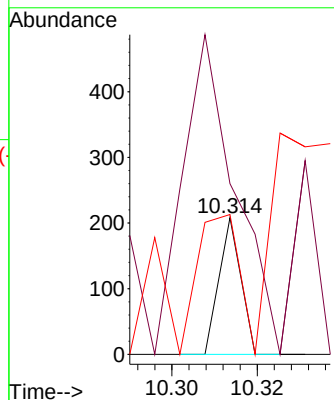
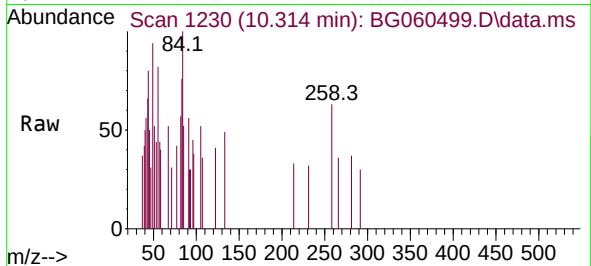




#32
Benzoic acid
Concen: 10.209 ng
RT: 10.314 min Scan# 1184
Delta R.T. 0.269 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

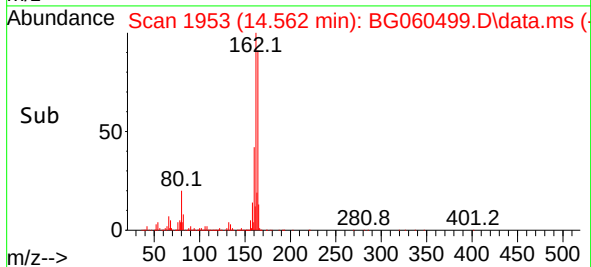
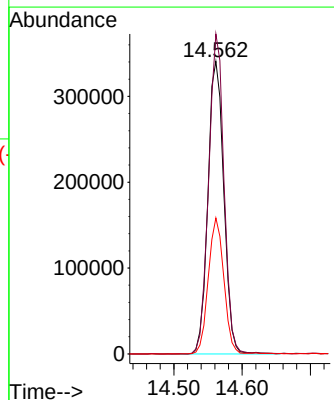
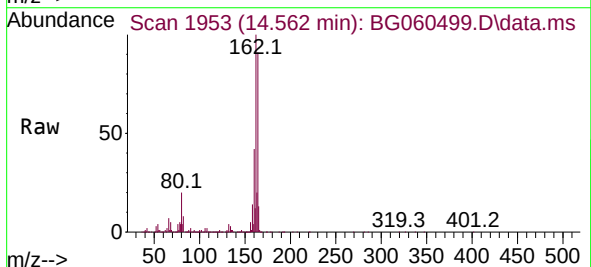
Instrument :
BNA_G
ClientSampleId :
SOUTH-JERSEY-PORT-SAMPLE-SET-2-B

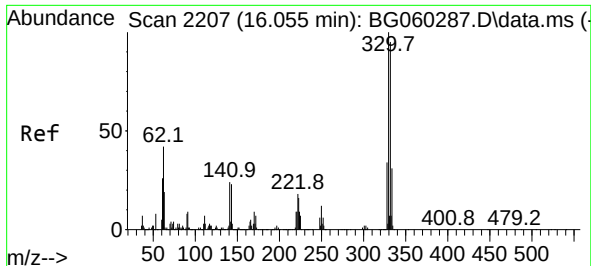
Tgt Ion:122 Resp: 73
Ion Ratio Lower Upper
122 100
105 125.0 96.0 136.0
77 102.4 80.1 120.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.007 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

Tgt Ion:164 Resp: 550275
Ion Ratio Lower Upper
164 100
162 109.4 84.4 126.6
160 46.4 34.6 52.0

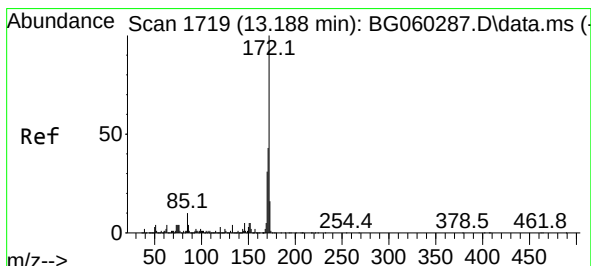
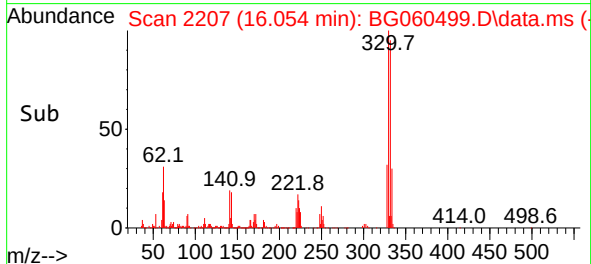
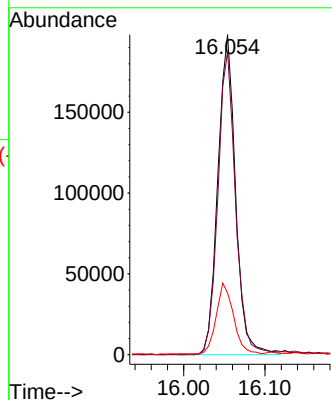
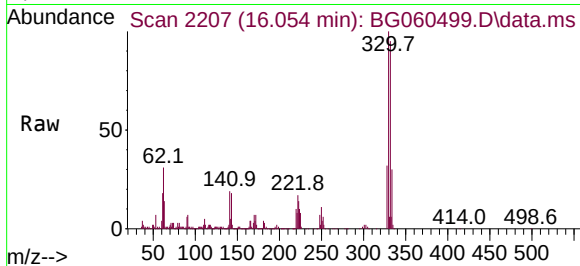




#42
2,4,6-Tribromophenol
Concen: 36.947 ng
RT: 16.054 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

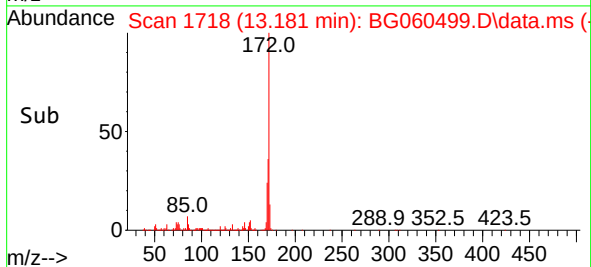
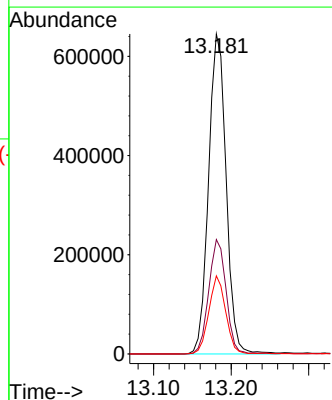
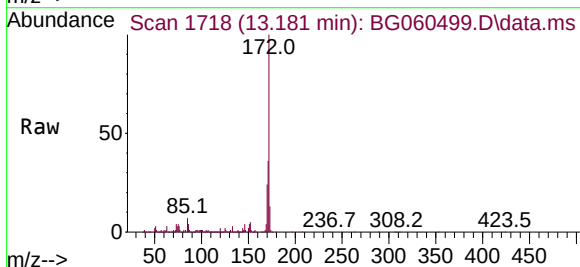
Instrument :
BNA_G
ClientSampleId :
SOUTH-JERSEY-PORT-SAMPLE-SET-2-B

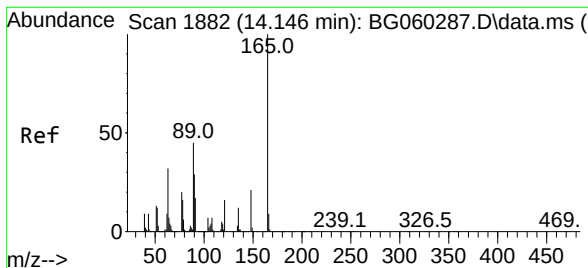
Tgt Ion:330 Resp: 299127
Ion Ratio Lower Upper
330 100
332 93.8 76.7 115.1
141 21.5 18.6 28.0



#45
2-Fluorobiphenyl
Concen: 25.618 ng
RT: 13.181 min Scan# 1718
Delta R.T. -0.007 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

Tgt Ion:172 Resp: 1013919
Ion Ratio Lower Upper
172 100
171 35.7 34.6 51.8
170 24.4 24.4 36.6

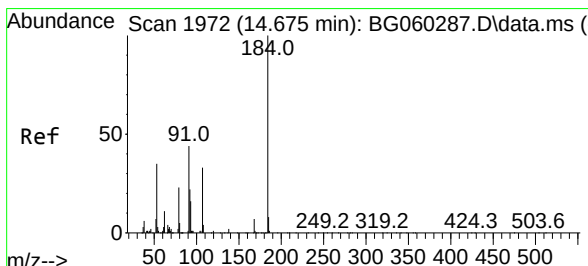
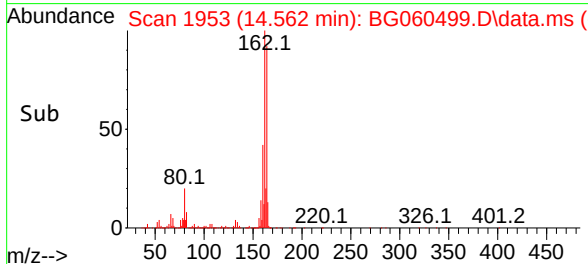
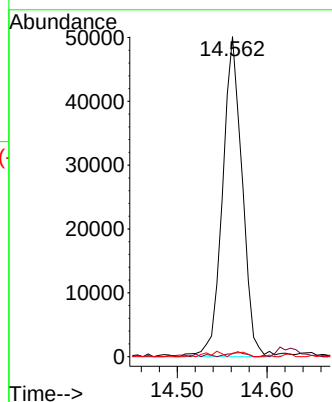
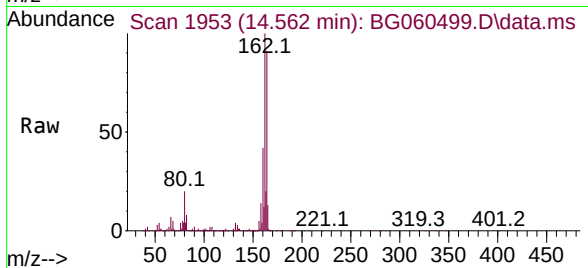




#51
2,6-Dinitrotoluene
Concen: 8.535 ng
RT: 14.562 min Scan# 1953
Delta R.T. 0.416 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

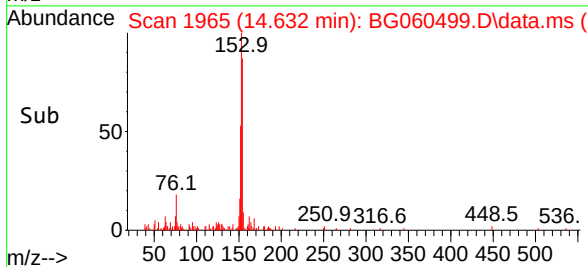
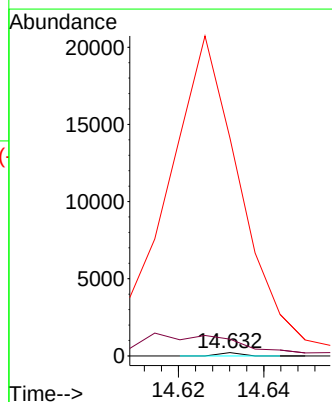
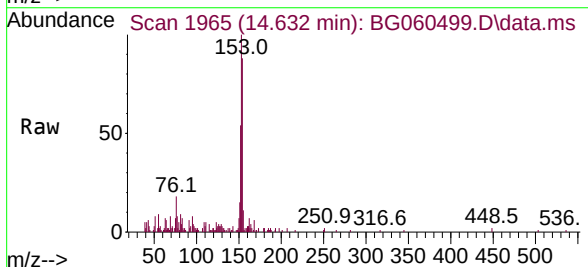
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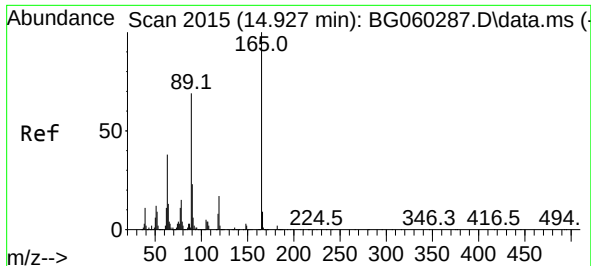
Tgt Ion:165 Resp: 76582
Ion Ratio Lower Upper
165 100
63 0.9 35.0 52.4#
89 1.1 36.2 54.2#



#54
2,4-Dinitrophenol
Concen: 8.599 ng
RT: 14.632 min Scan# 1965
Delta R.T. -0.043 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

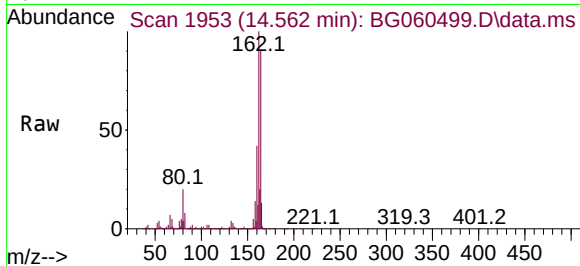
Tgt Ion:184 Resp: 73
Ion Ratio Lower Upper
184 100
63 519.2 41.0 61.4#
154 6784.6 39.2 58.8#



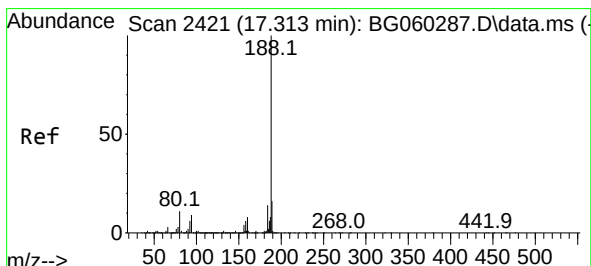
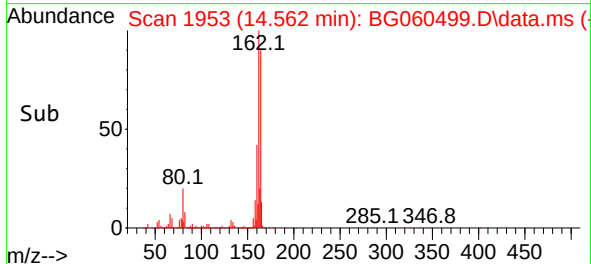
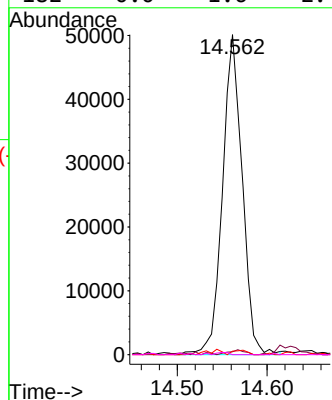


#57
2,4-Dinitrotoluene
Concen: 6.224 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.366 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

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

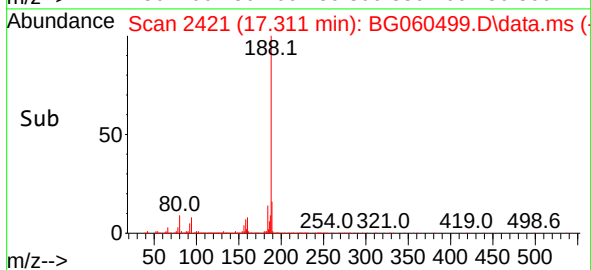
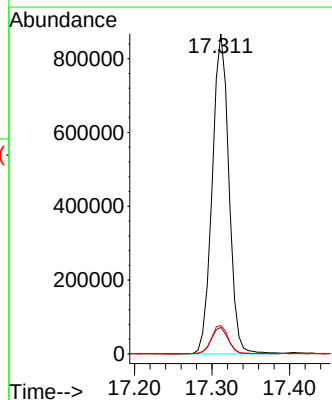
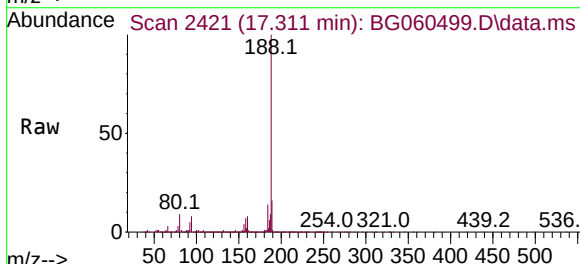


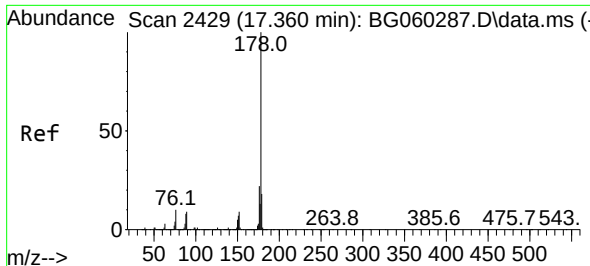
Tgt Ion:165 Resp: 76582
Ion Ratio Lower Upper
165 100
63 0.9 30.4 45.6#
89 1.1 55.4 83.0#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.311 min Scan# 2421
Delta R.T. -0.001 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

Tgt Ion:188 Resp: 1293048
Ion Ratio Lower Upper
188 100
94 8.3 7.1 10.7
80 8.9 8.5 12.7

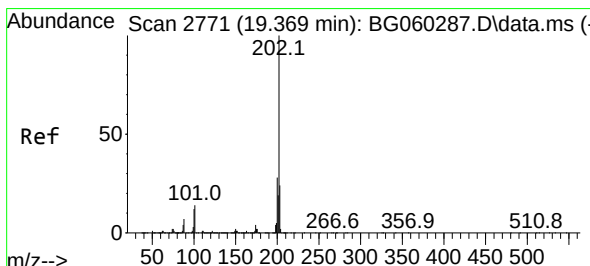
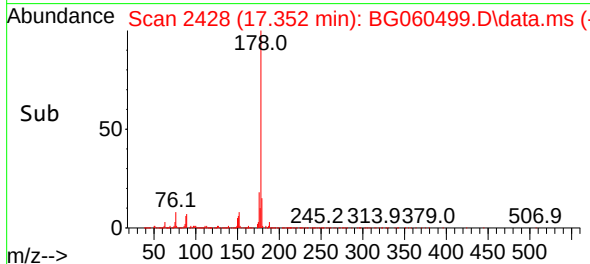
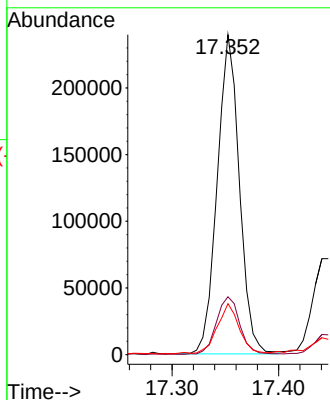
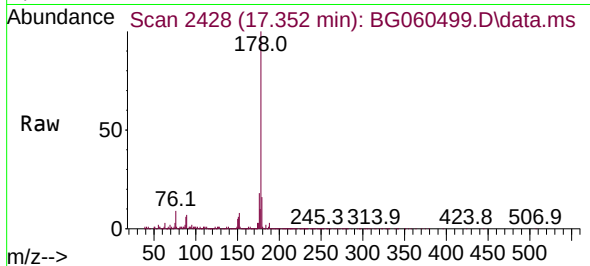




#71
Phenanthrene
Concen: 5.542 ng
RT: 17.352 min Scan# 2429
Delta R.T. -0.007 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

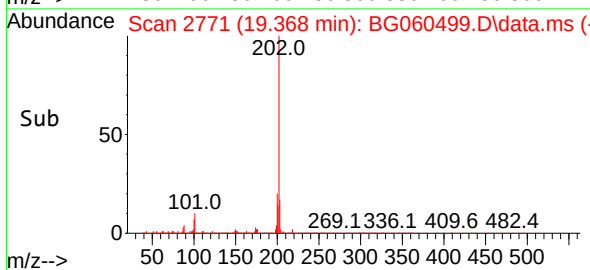
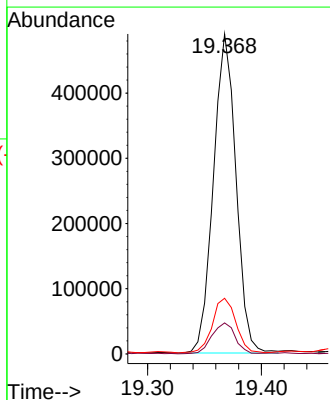
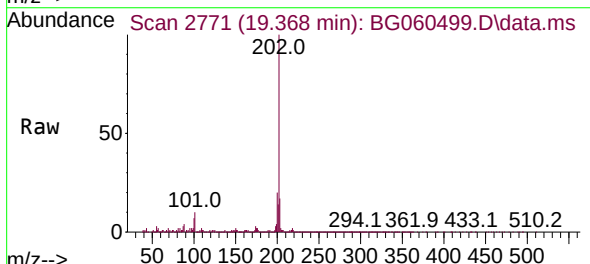
Instrument : BNA_G
ClientSampleId : SOUTH-JERSEY-PORT-SAMPLE-SET-2-B

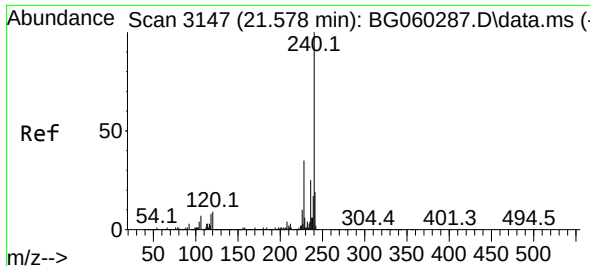
Tgt Ion:178 Resp: 346378
Ion Ratio Lower Upper
178 100
176 18.1 17.4 26.2
179 16.0 14.7 22.1



#75
Fluoranthene
Concen: 8.980 ng
RT: 19.368 min Scan# 2771
Delta R.T. -0.001 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

Tgt Ion:202 Resp: 674144
Ion Ratio Lower Upper
202 100
101 9.7 0.0 34.4
203 17.4 4.0 44.0

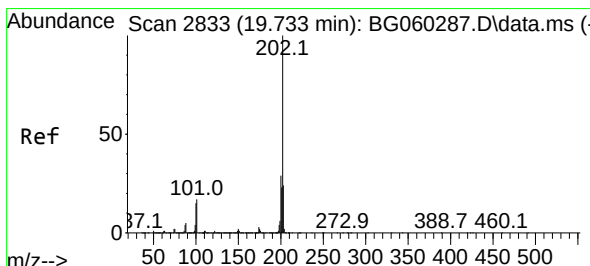
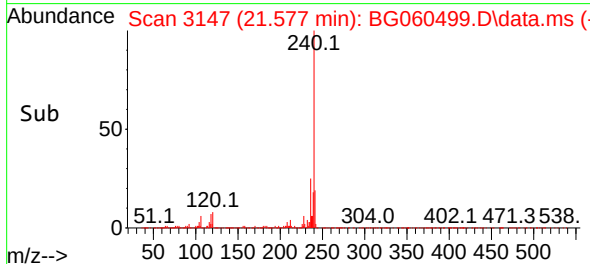
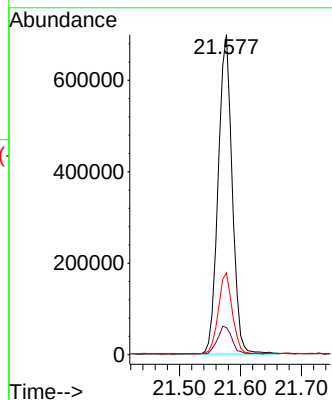
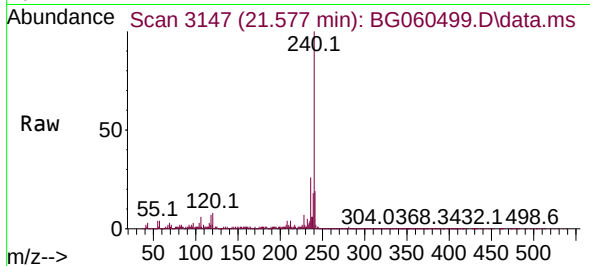




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3147
Delta R.T. -0.001 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

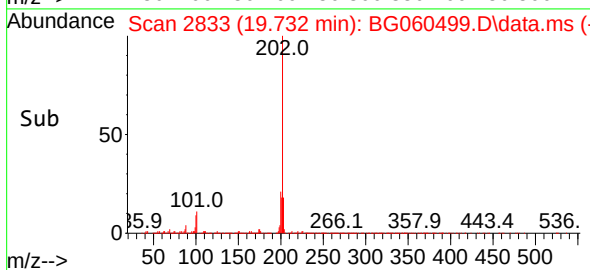
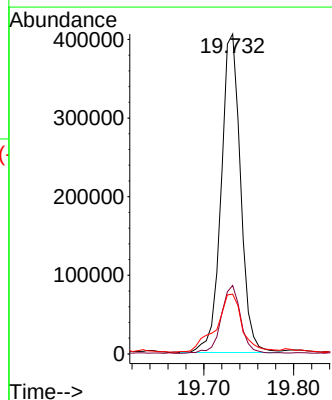
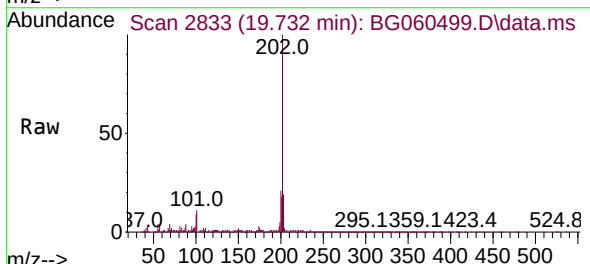
Instrument : BNA_G
ClientSampleId : SOUTH-JERSEY-PORT-SAMPLE-SET-2-B

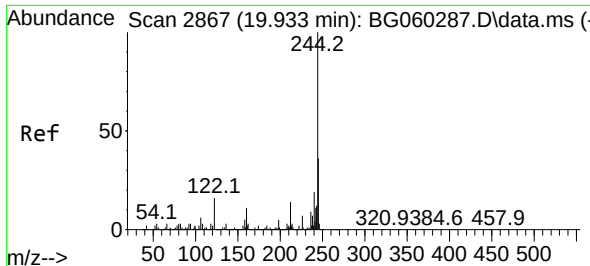
Tgt Ion:240 Resp: 1118225
Ion Ratio Lower Upper
240 100
120 8.5 7.3 10.9
236 25.5 20.3 30.5



#78
Pyrene
Concen: 8.536 ng
RT: 19.732 min Scan# 2833
Delta R.T. -0.001 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

Tgt Ion:202 Resp: 609532
Ion Ratio Lower Upper
202 100
200 21.4 23.5 35.3#
203 18.7 19.6 29.4#

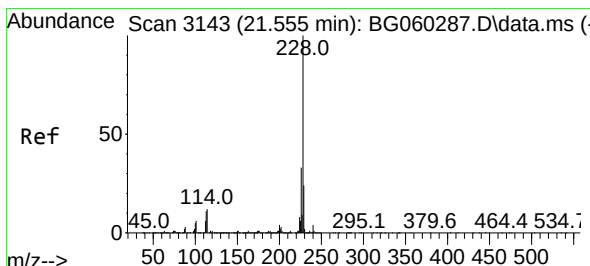
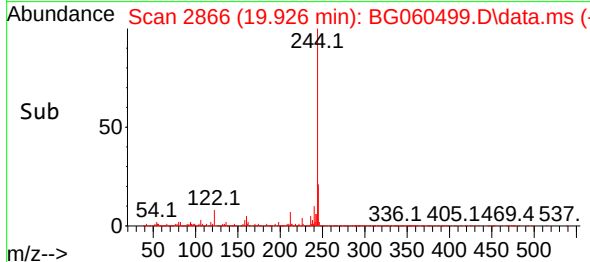
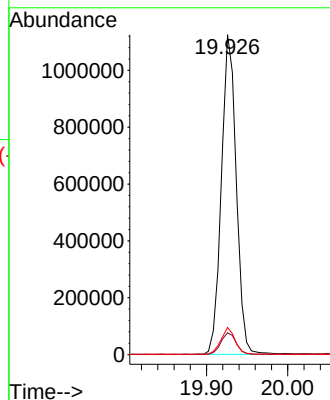
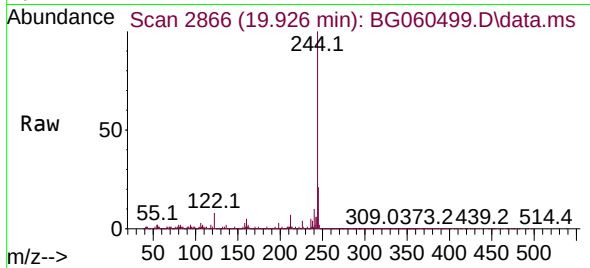




#79
 Terphenyl-d14
 Concen: 23.079 ng
 RT: 19.926 min Scan# 2866
 Delta R.T. -0.007 min
 Lab File: BG060499.D
 Acq: 31 Jan 2024 1:25

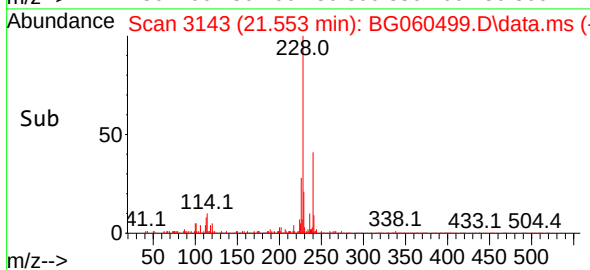
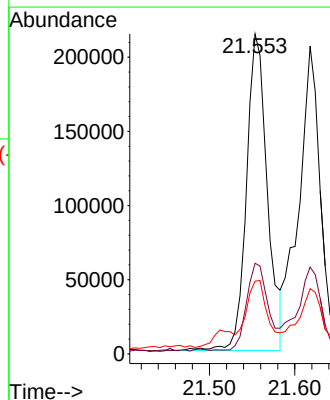
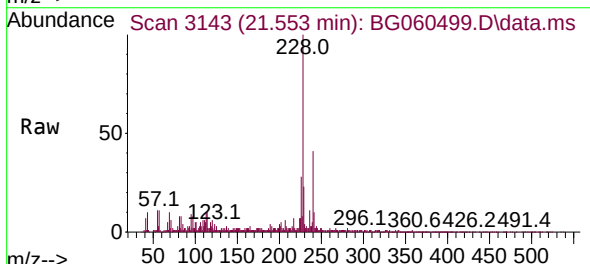
Instrument : BNA_G
 ClientSampleId : SOUTH-JERSEY-PORT-SAMPLE-SET-2-B

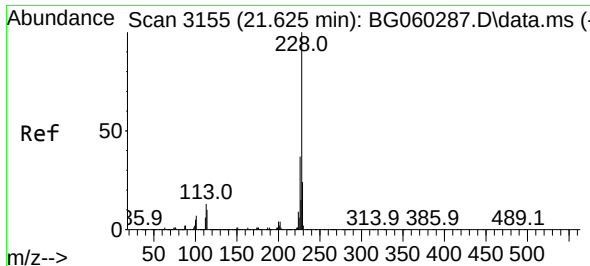
Tgt Ion:244 Resp: 1428606
 Ion Ratio Lower Upper
 244 100
 212 6.8 10.9 16.3#
 122 8.5 12.6 18.8#



#81
 Benzo(a)anthracene
 Concen: 5.243 ng
 RT: 21.553 min Scan# 3143
 Delta R.T. -0.001 min
 Lab File: BG060499.D
 Acq: 31 Jan 2024 1:25

Tgt Ion:228 Resp: 362959
 Ion Ratio Lower Upper
 228 100
 226 28.3 26.2 39.2
 229 22.7 19.4 29.2





#83

Chrysene

Concen: 5.340 ng

RT: 21.618 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG060499.D

Acq: 31 Jan 2024 1:25

Instrument :

BNA_G

ClientSampleId :

SOUTH-JERSEY-PORT-SAMPLE-SET-2-B

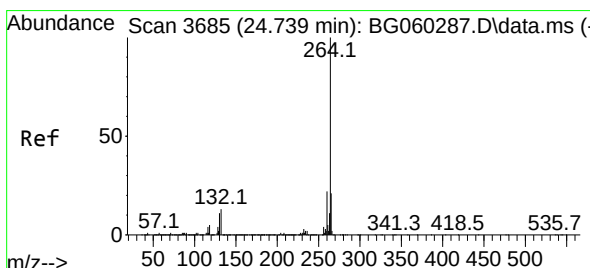
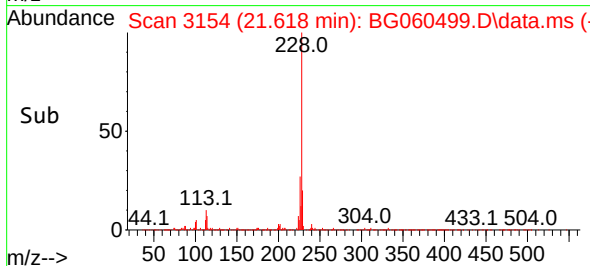
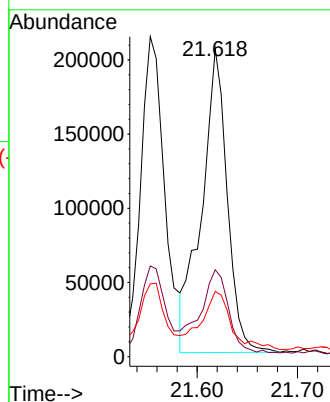
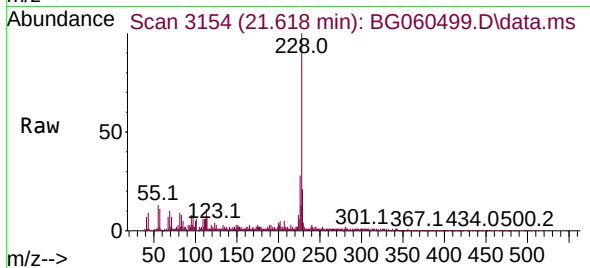
Tgt Ion:228 Resp: 363595

Ion Ratio Lower Upper

228 100

226 28.2 29.4 44.2#

229 21.2 19.2 28.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.744 min Scan# 3686

Delta R.T. 0.004 min

Lab File: BG060499.D

Acq: 31 Jan 2024 1:25

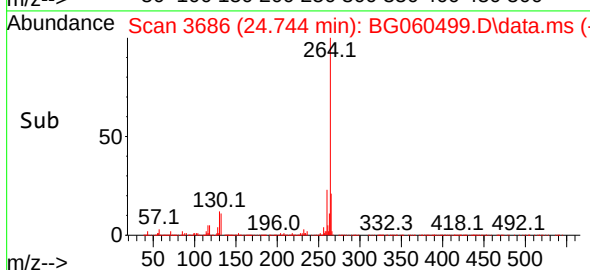
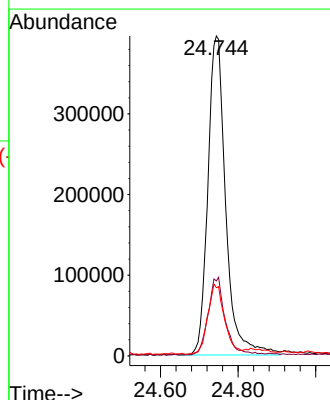
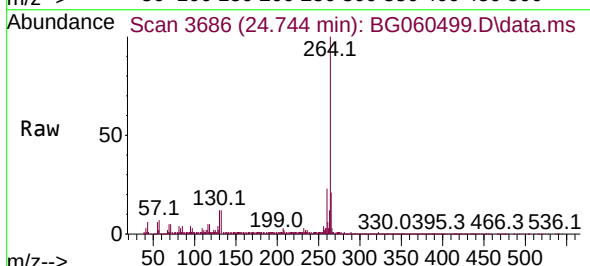
Tgt Ion:264 Resp: 1264586

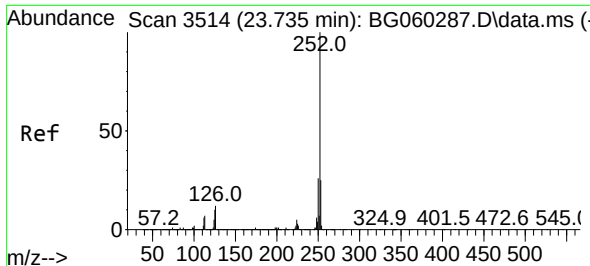
Ion Ratio Lower Upper

264 100

260 23.4 17.8 26.6

265 21.3 16.8 25.2

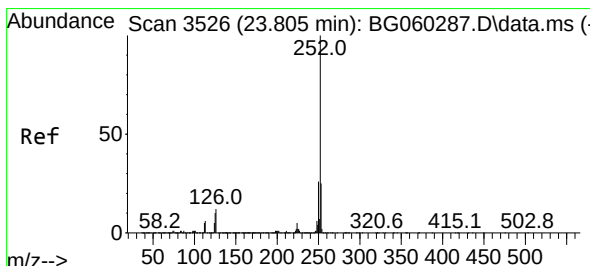
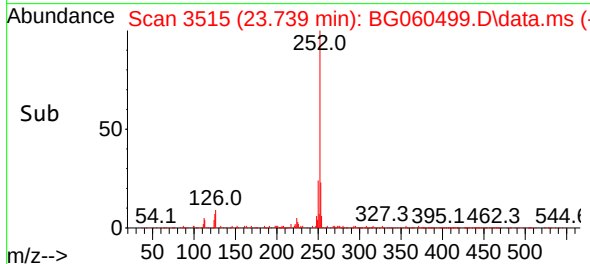
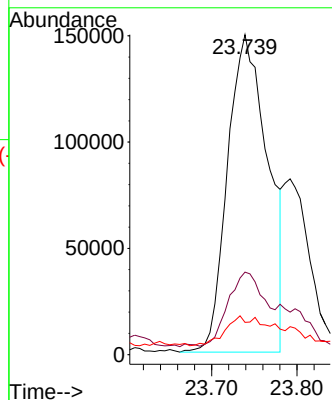
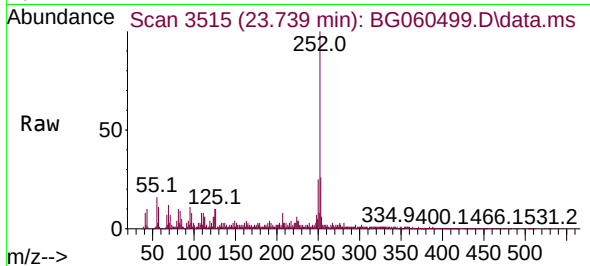




#88
Benzo(b)fluoranthene
Concen: 6.574 ng
RT: 23.739 min Scan# 3514
Delta R.T. 0.004 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

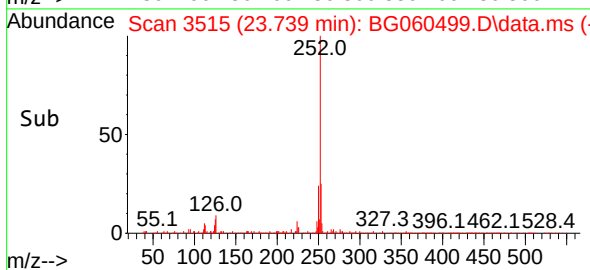
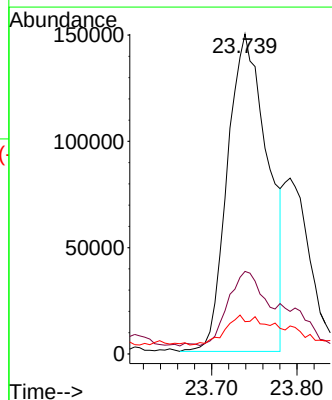
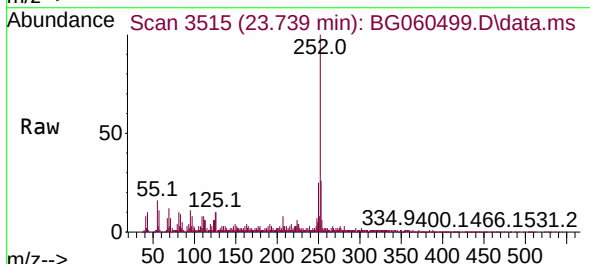
Instrument :
BNA_G
ClientSampleId :
SOUTH-JERSEY-PORT-SAMPLE-SET-2-B

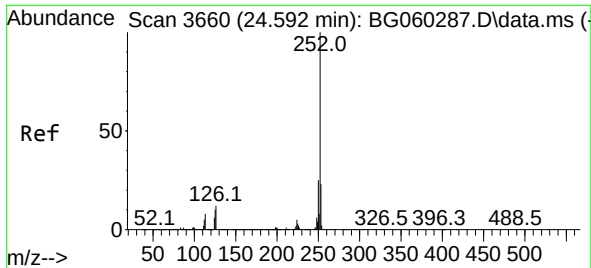
Tgt Ion:252 Resp: 491115
Ion Ratio Lower Upper
252 100
253 25.8 20.0 30.0
125 10.1 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 6.662 ng
RT: 23.739 min Scan# 3515
Delta R.T. -0.066 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

Tgt Ion:252 Resp: 491115
Ion Ratio Lower Upper
252 100
253 25.8 19.6 29.4
125 10.1 8.2 12.2





#90
 Benzo(a)pyrene
 Concen: 4.576 ng
 RT: 24.591 min Scan# 30
 Delta R.T. -0.001 min
 Lab File: BG060499.D
 Acq: 31 Jan 2024 1:25

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

Tgt Ion:252 Resp: 308815
 Ion Ratio Lower Upper
 252 100
 253 22.7 18.1 27.1
 125 12.7 8.1 12.1#

