

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

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2024
 Supervised By :Sohil Jodhani 01/31/2024

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
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	23.792	252	184140m	2.498	ng	
90) Benzo(a)pyrene	24.591	252	308815	4.576	ng	# 98

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

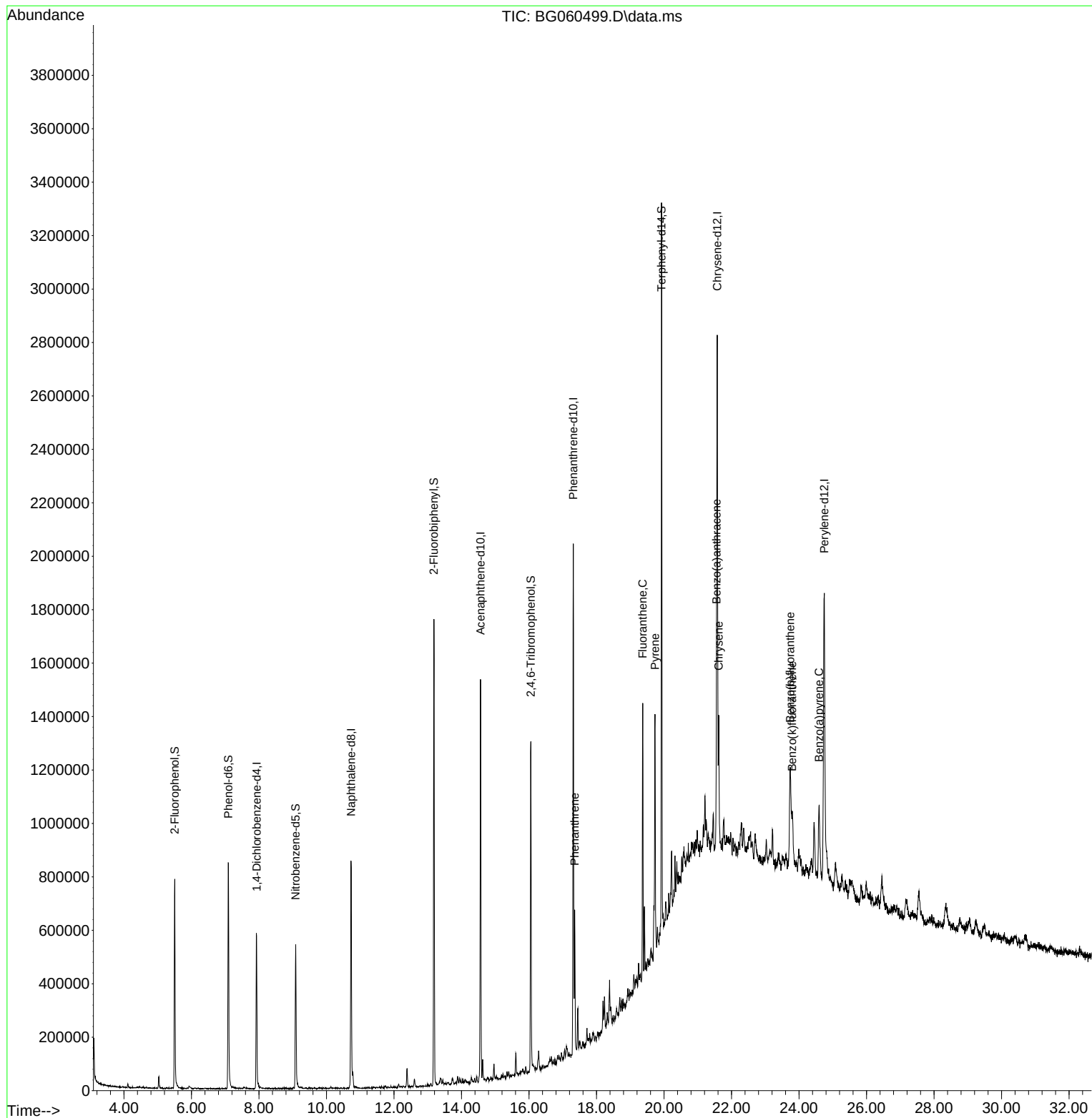
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
Data File : BG060499.D
Acq On : 31 Jan 2024 1:25
Operator : MA/JU
Sample : P1188-02 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

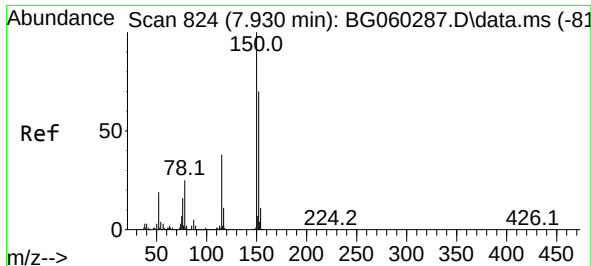
Instrument :
BNA_G
ClientSampleId :
SOUTH-JERSEY-PORT-SAMPLE-SET-2-B

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
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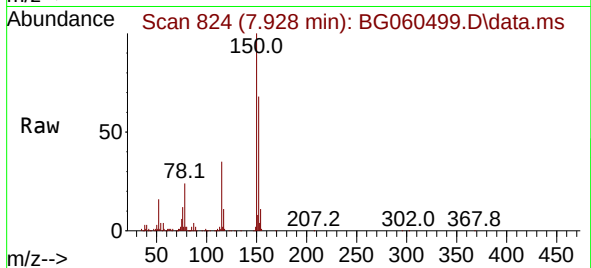
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024





#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

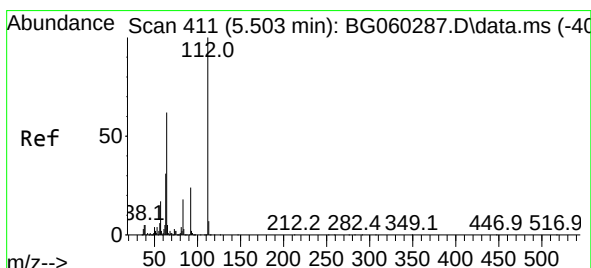
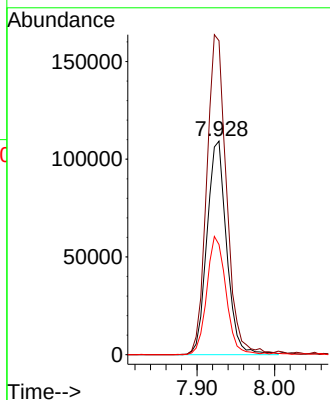
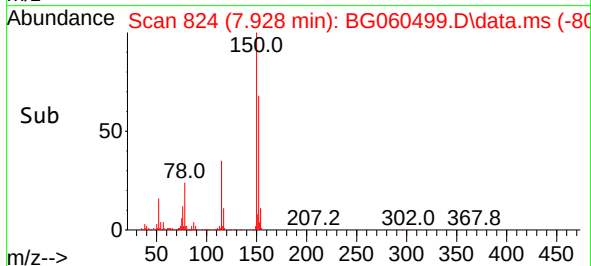
Instrument :
BNA_G
ClientSampleId :
SOUTH-JERSEY-PORT-SAMPLE-SET-2-B



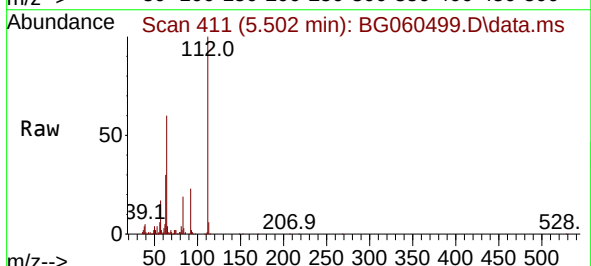
Tgt Ion:152 Resp: 192490
Ion Ratio Lower Upper
152 100
150 147.0 114.5 171.7
115 51.5 43.0 64.6

Manual Integrations
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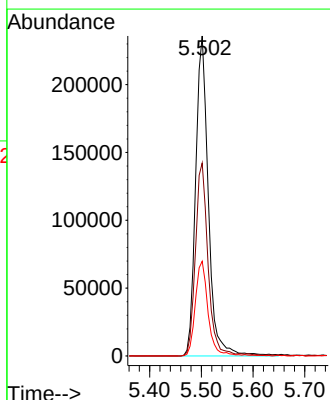
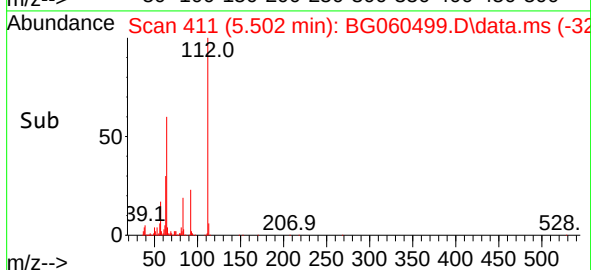
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024

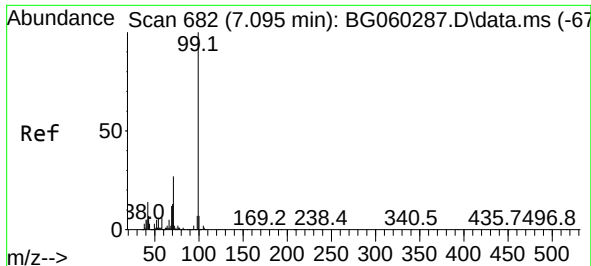


#5
2-Fluorophenol
Concen: 34.484 ng
RT: 5.502 min Scan# 411
Delta R.T. -0.001 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25



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





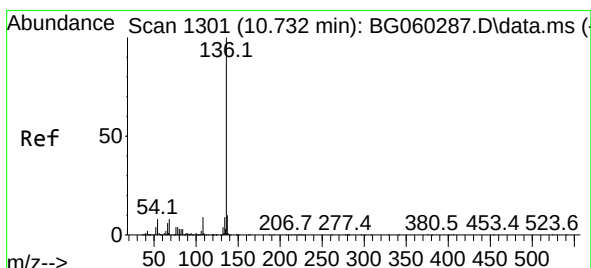
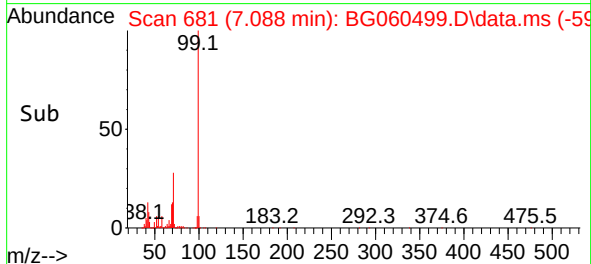
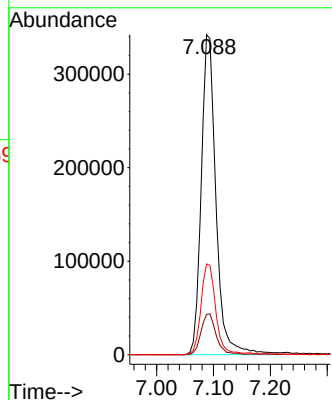
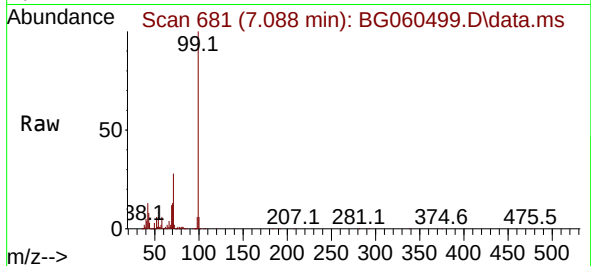
#7
Phenol-d6
Concen: 35.509 ng
RT: 7.088 min Scan# 61
Delta R.T. -0.007 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

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

Tgt Ion: 99 Resp: 61537
Ion Ratio Lower Upper
99 100
42 12.6 10.9 16.3
71 28.3 21.5 32.3

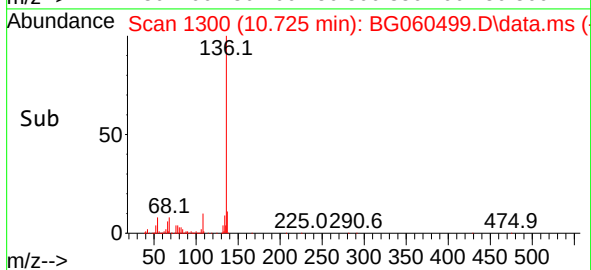
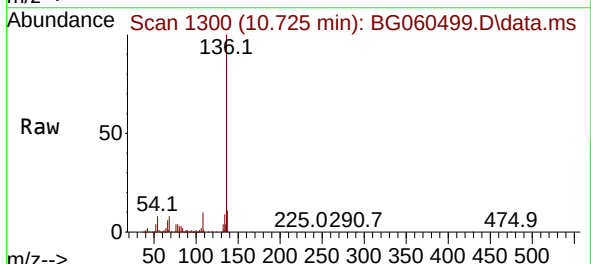
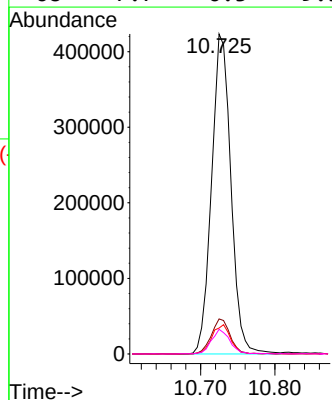
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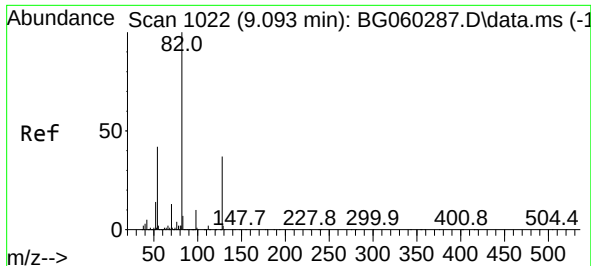
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.725 min Scan# 1300
Delta R.T. -0.007 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

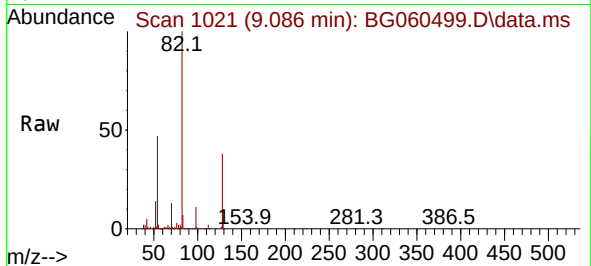
Tgt Ion:136 Resp: 766882
Ion Ratio Lower Upper
136 100
137 11.0 8.2 12.4
54 8.1 6.2 9.2
68 7.7 6.3 9.5





#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

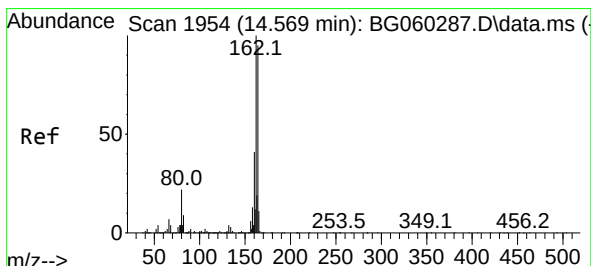
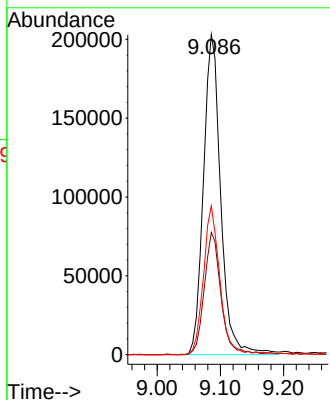
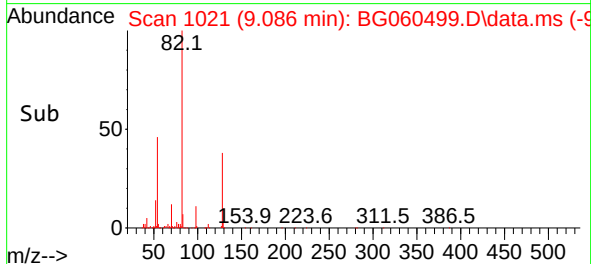
Instrument : BNA_G
ClientSampleId : SOUTH-JERSEY-PORT-SAMPLE-SET-2-B



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

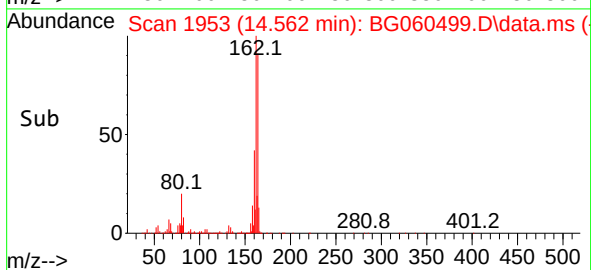
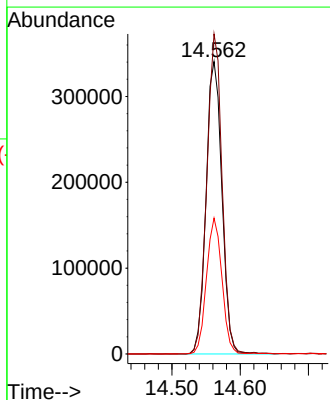
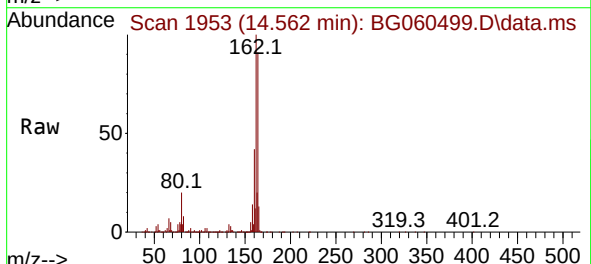
Manual Integrations
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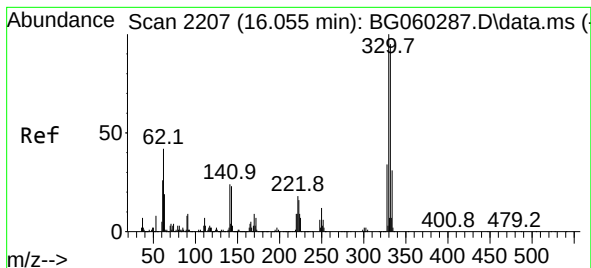
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#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

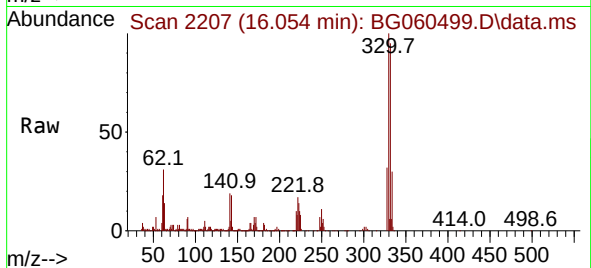
Tgt Ion:164 Resp: 550275
Ion Ratio Lower Upper
164 100
162 109.4 84.4 126.6
160 46.4 34.6 52.0





#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

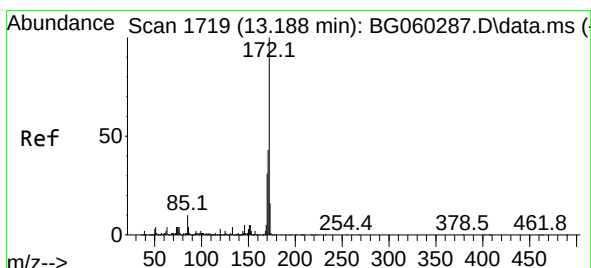
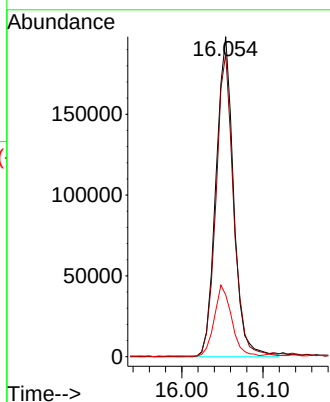
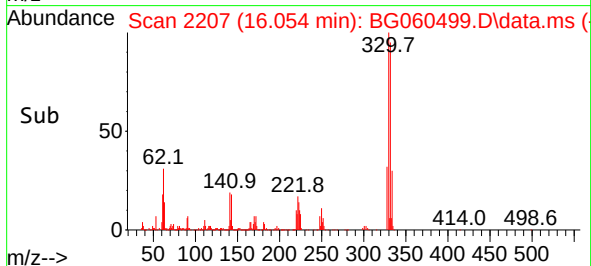
Instrument :
BNA_G
ClientSampleId :
SOUTH-JERSEY-PORT-SAMPLE-SET-2-B



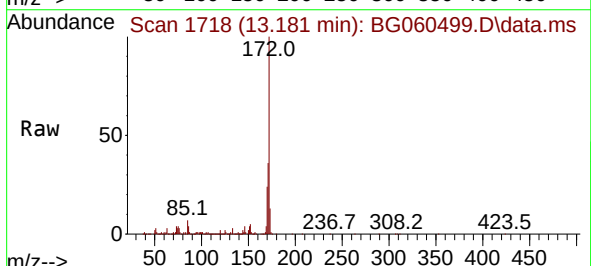
Tgt Ion:330 Resp: 29912
Ion Ratio Lower Upper
330 100
332 93.8 76.7 115.1
141 21.5 18.6 28.0

Manual Integrations
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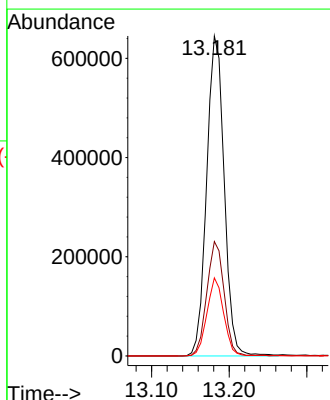
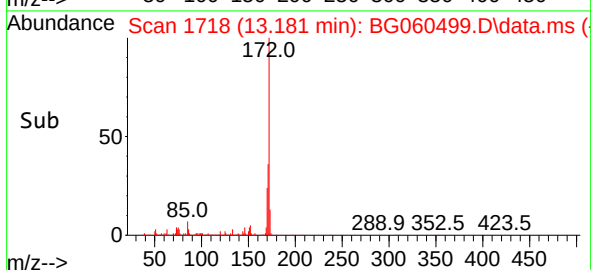
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024

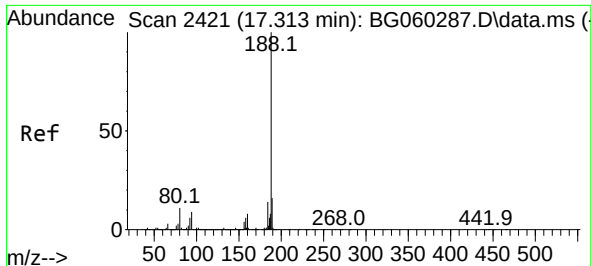


#45
2-Fluorobiphenyl
Concen: 25.618 ng
RT: 13.181 min Scan# 1718
Delta R.T. -0.007 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25



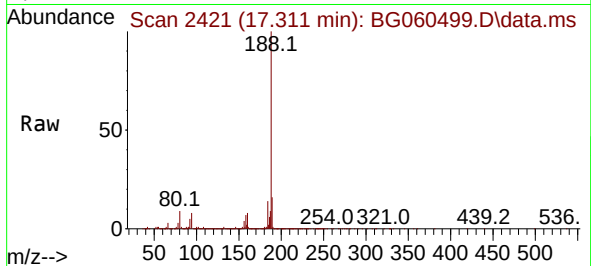
Tgt Ion:172 Resp: 1013919
Ion Ratio Lower Upper
172 100
171 35.7 34.6 51.8
170 24.4 24.4 36.6





#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

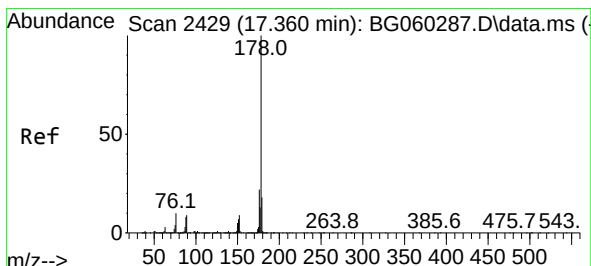
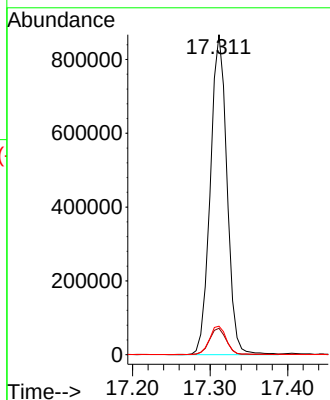
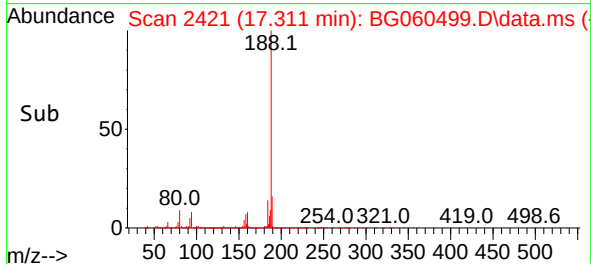
Instrument : BNA_G
ClientSampleId : SOUTH-JERSEY-PORT-SAMPLE-SET-2-B



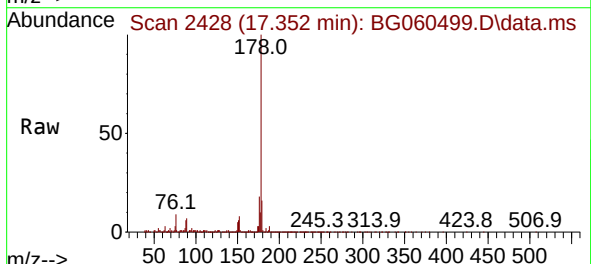
Tgt Ion:188 Resp: 129304
Ion Ratio Lower Upper
188 100
94 8.3 7.1 10.7
80 8.9 8.5 12.7

Manual Integrations
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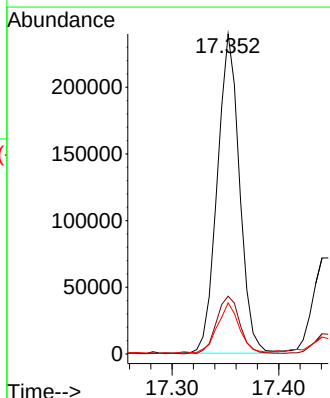
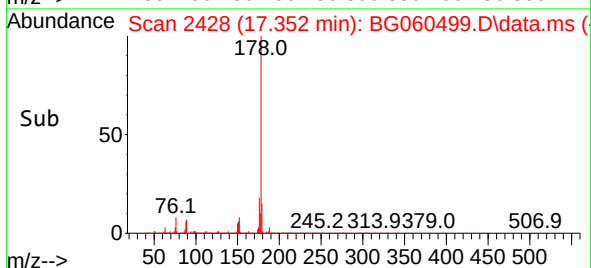
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024

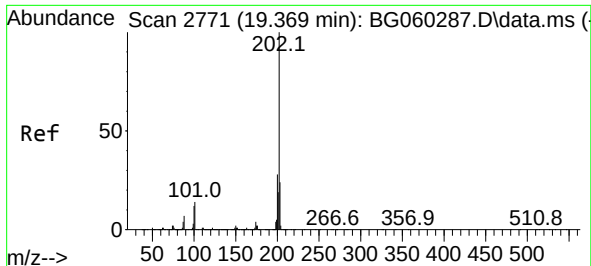


#71
Phenanthrene
Concen: 5.542 ng
RT: 17.352 min Scan# 2428
Delta R.T. -0.007 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25



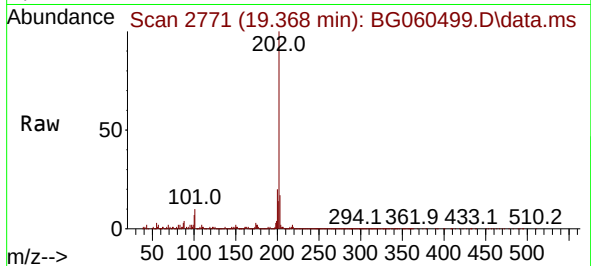
Tgt Ion:178 Resp: 346378
Ion Ratio Lower Upper
178 100
176 18.1 17.4 26.2
179 16.0 14.7 22.1





#75
Fluoranthene
Concen: 8.980 ng
RT: 19.368 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

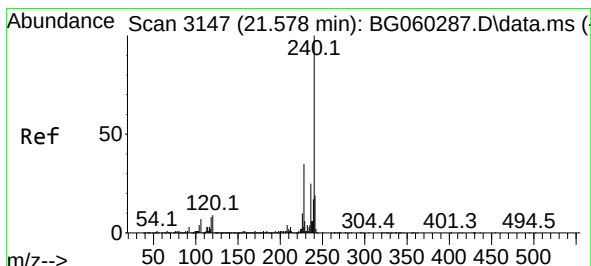
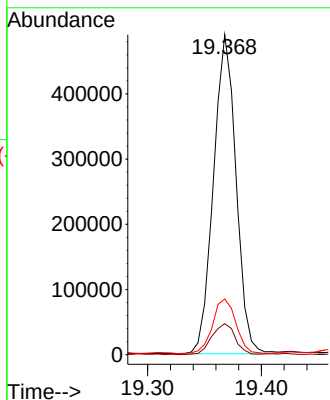
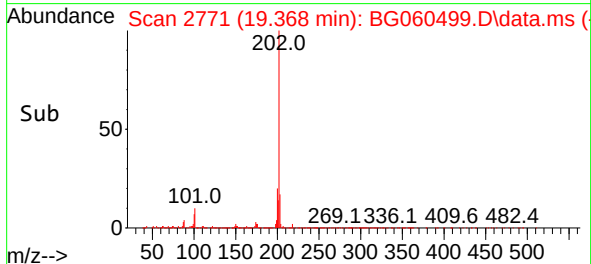
Instrument :
BNA_G
ClientSampleId :
SOUTH-JERSEY-PORT-SAMPLE-SET-2-B



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

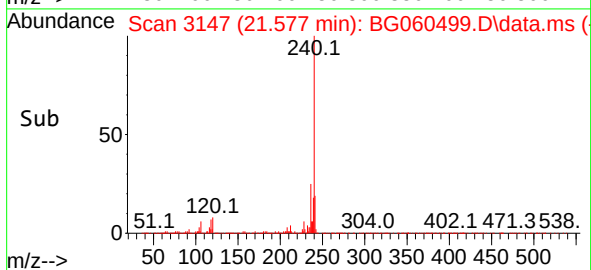
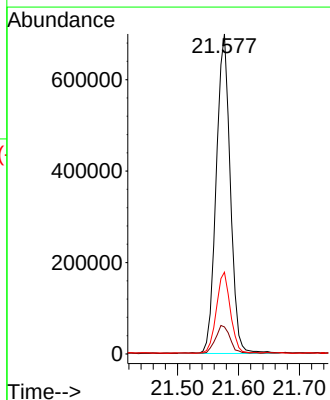
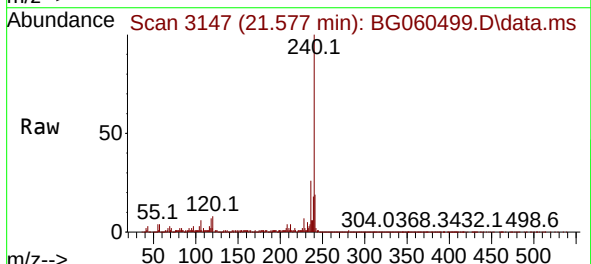
Manual Integrations
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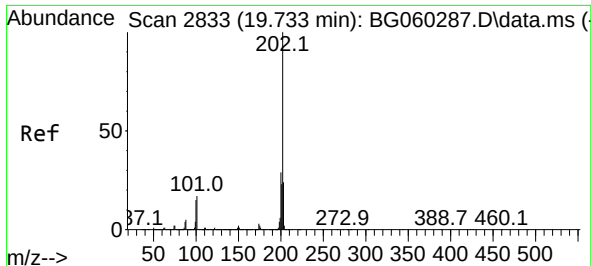
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#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

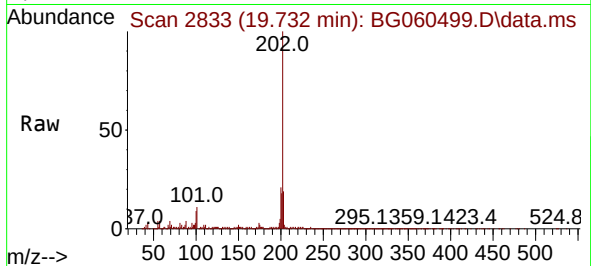
Tgt Ion:240 Resp: 1118225
Ion Ratio Lower Upper
240 100
120 8.5 7.3 10.9
236 25.5 20.3 30.5





#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

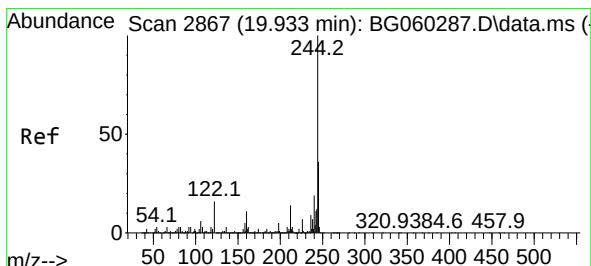
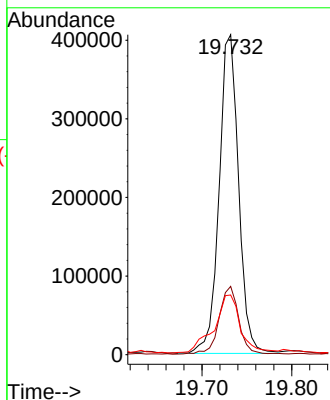
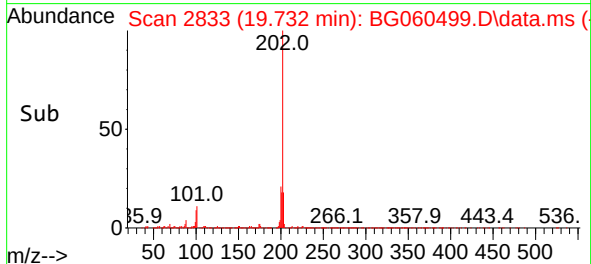
Instrument : BNA_G
ClientSampleId : SOUTH-JERSEY-PORT-SAMPLE-SET-2-B



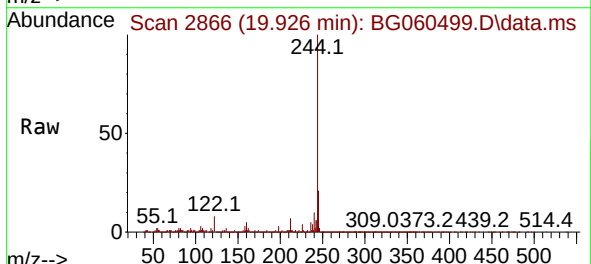
Tgt Ion:202 Resp: 609532
Ion Ratio Lower Upper
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200 21.4 23.5 35.3#
203 18.7 19.6 29.4#

Manual Integrations
APPROVED

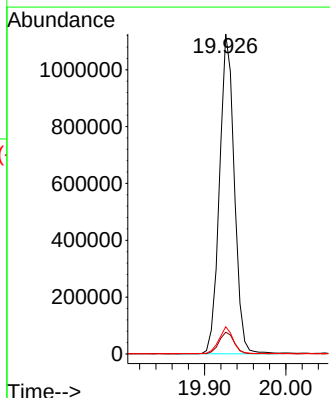
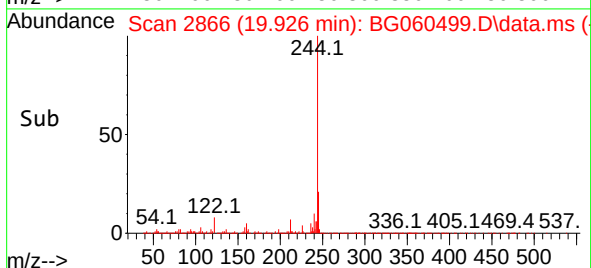
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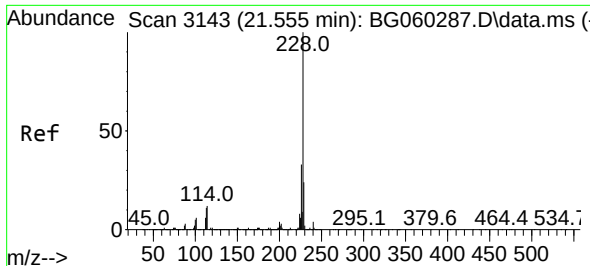


#79
Terphenyl-d14
Concen: 23.079 ng
RT: 19.926 min Scan# 2866
Delta R.T. -0.007 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25



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#





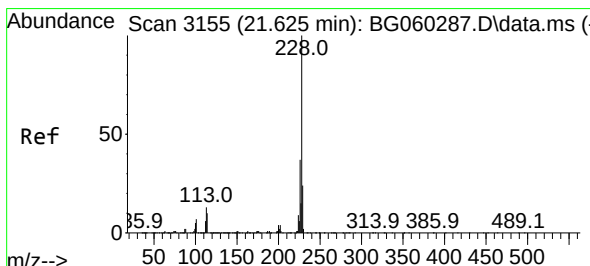
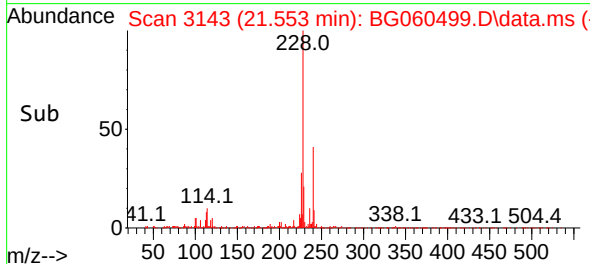
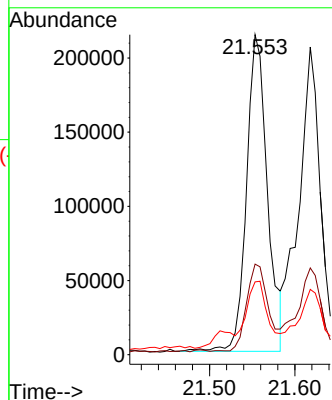
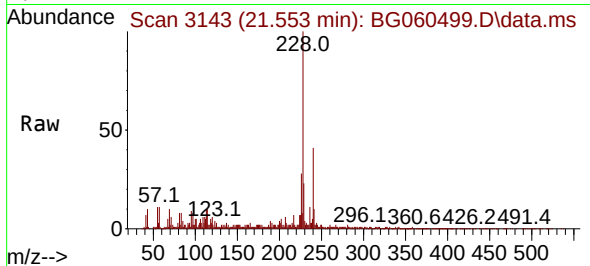
#81
Benzo(a)anthracene
Concen: 5.243 ng
RT: 21.553 min Scan# 3143
Delta R.T. -0.001 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

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

Tgt Ion:228 Resp: 362958
Ion Ratio Lower Upper
228 100
226 28.3 26.2 39.2
229 22.7 19.4 29.2

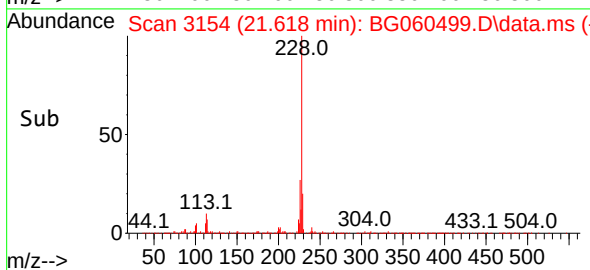
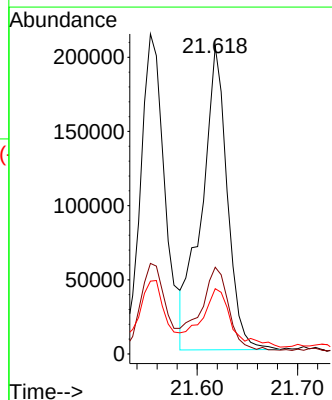
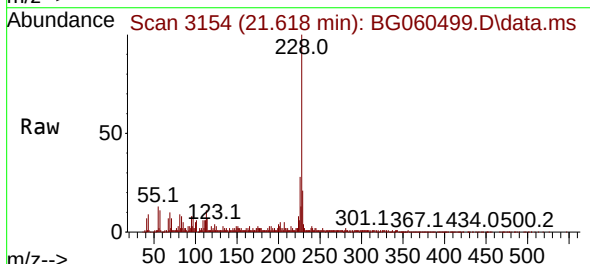
Manual Integrations
APPROVED

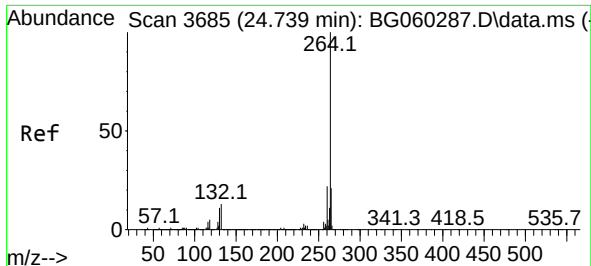
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#83
Chrysene
Concen: 5.340 ng
RT: 21.618 min Scan# 3154
Delta R.T. -0.007 min
Lab File: BG060499.D
Acq: 31 Jan 2024 1:25

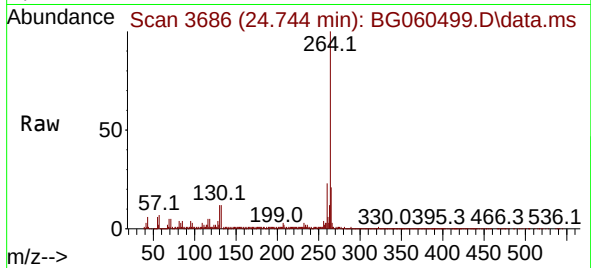
Tgt Ion:228 Resp: 363595
Ion Ratio Lower Upper
228 100
226 28.2 29.4 44.2#
229 21.2 19.2 28.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.744 min Scan# 30
 Delta R.T. 0.004 min
 Lab File: BG060499.D
 Acq: 31 Jan 2024 1:25

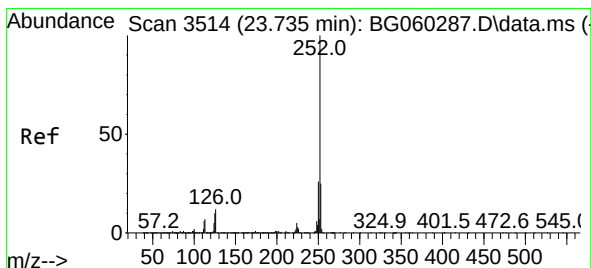
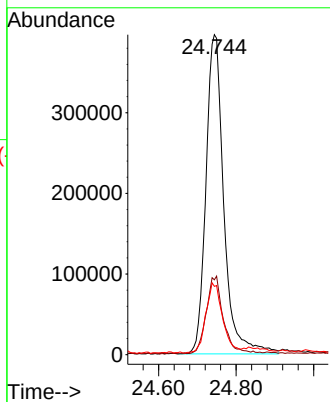
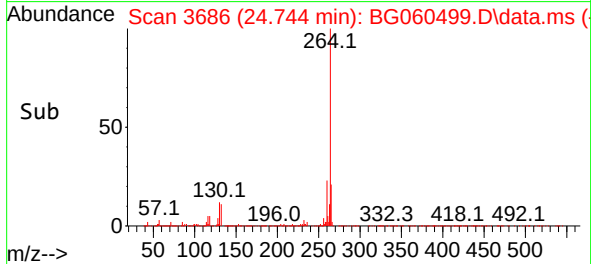
Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-JERSEY-PORT-SAMPLE-SET-2-B



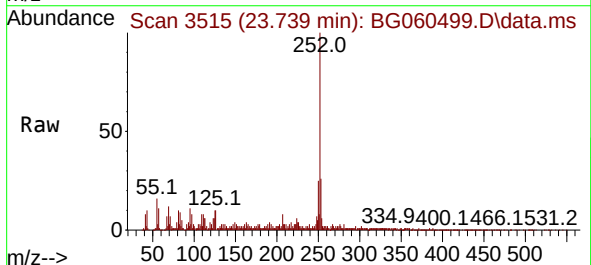
Tgt Ion:264 Resp: 1264580
 Ion Ratio Lower Upper
 264 100
 260 23.4 17.8 26.6
 265 21.3 16.8 25.2

Manual Integrations
 APPROVED

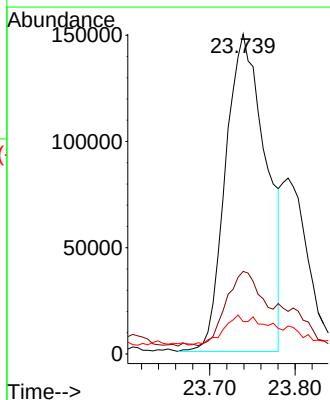
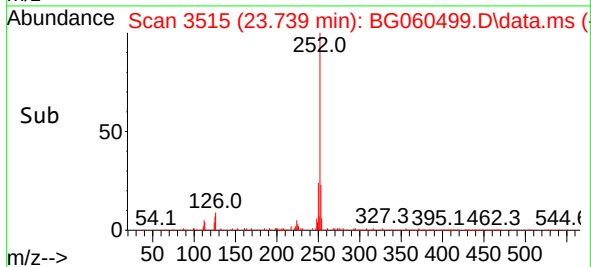
Reviewed By :Jagrut Upadhyay 01/31/2024
 Supervised By :Sohil Jodhani 01/31/2024

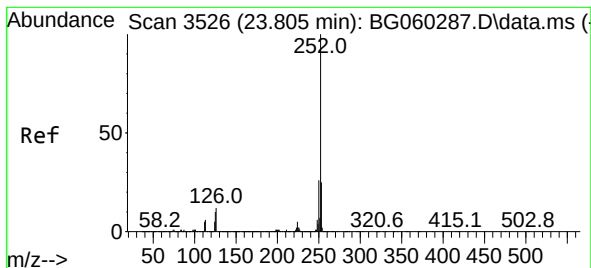


#88
 Benzo(b)fluoranthene
 Concen: 6.574 ng
 RT: 23.739 min Scan# 3515
 Delta R.T. 0.004 min
 Lab File: BG060499.D
 Acq: 31 Jan 2024 1:25



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





#89

Benzo(k)fluoranthene

Concen: 2.498 ng m

RT: 23.792 min Scan# 3

Delta R.T. -0.013 min

Lab File: BG060499.D

Acq: 31 Jan 2024 1:25

Instrument :

BNA_G

ClientSampleId :

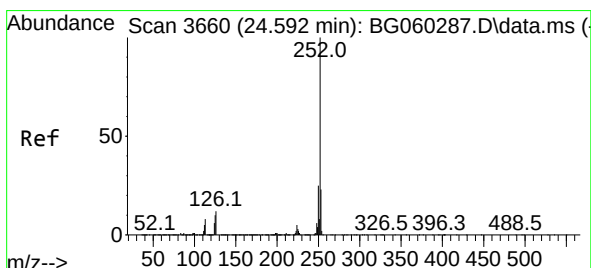
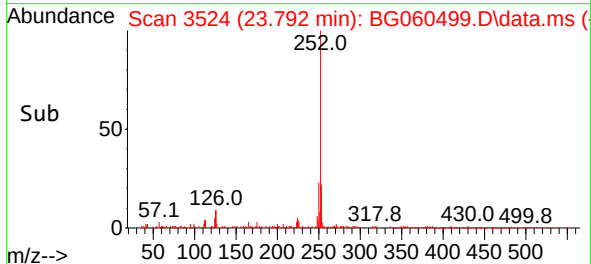
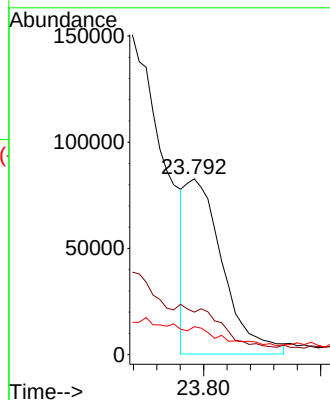
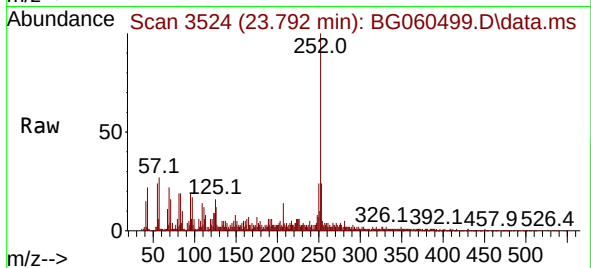
SOUTH-JERSEY-PORT-SAMPLE-SET-2-B

Tgt Ion:252	Resp:	184140
Ion Ratio	Lower	Upper
252	100	
253	24.2	19.6 29.4
125	15.9	8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#90

Benzo(a)pyrene

Concen: 4.576 ng

RT: 24.591 min Scan# 3660

Delta R.T. -0.001 min

Lab File: BG060499.D

Acq: 31 Jan 2024 1:25

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

