

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

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	7.929	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
71) Phenanthrene	17.353	178	547036m	9.037	ng	
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	23.798	252	364175m	5.009	ng	
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

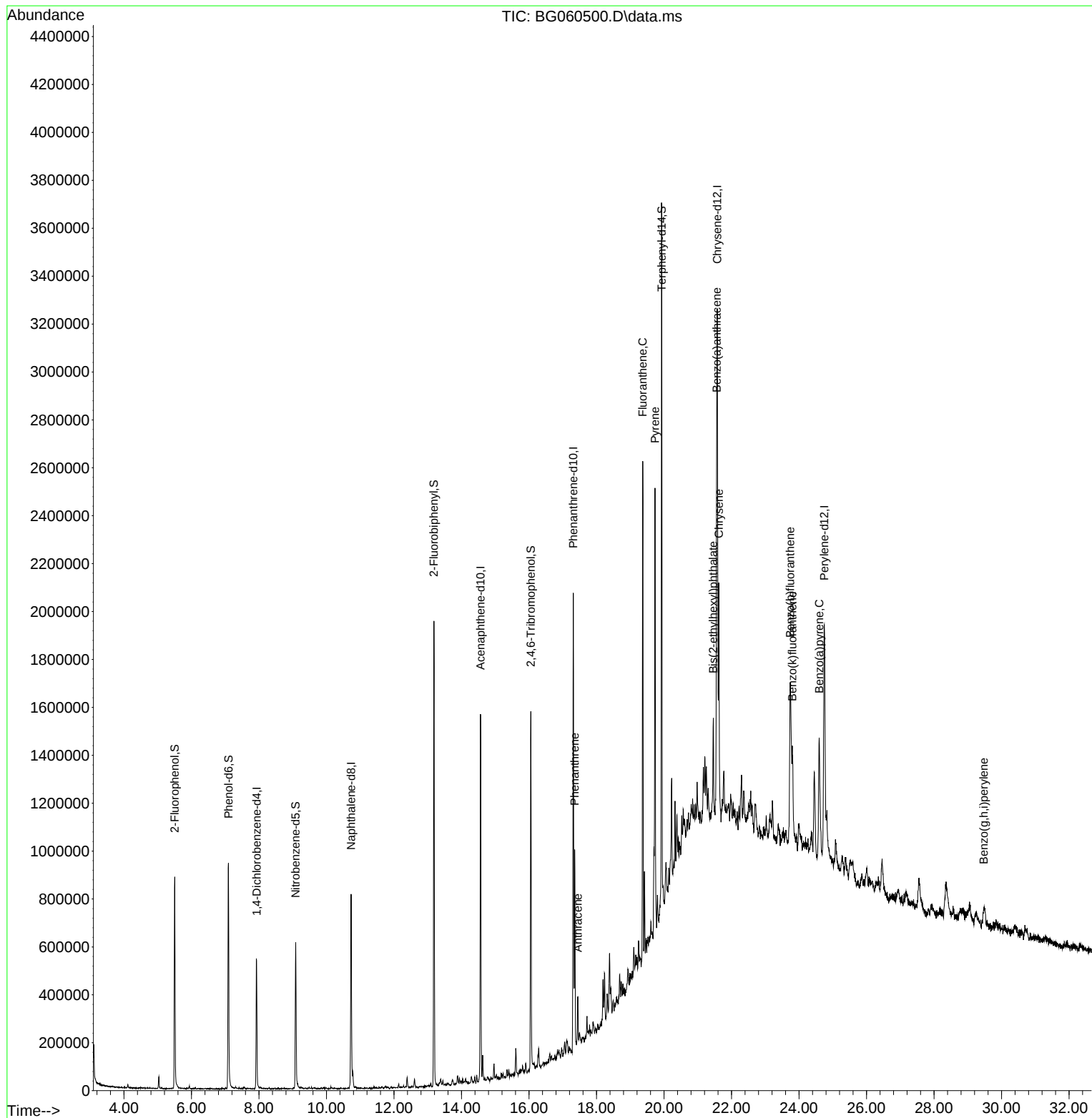
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
Data File : BG060500.D
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Operator : MA/JU
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ALS Vial : 14 Sample Multiplier: 1

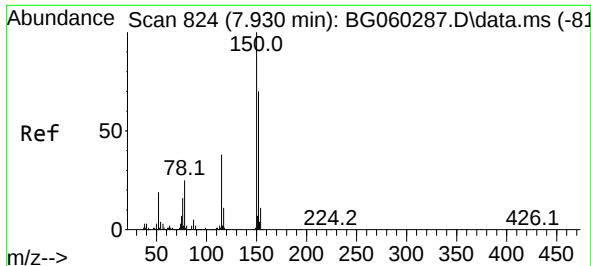
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ClientSampleId :
SOUTH-JERSEY-PORT-SAMPLE-SET-2-A

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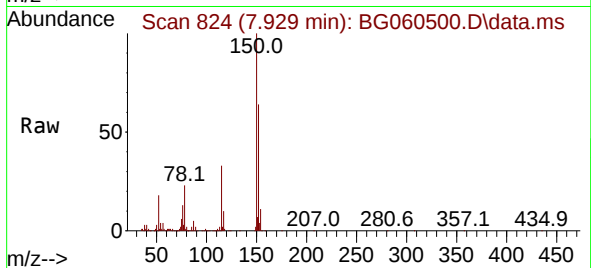
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024





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

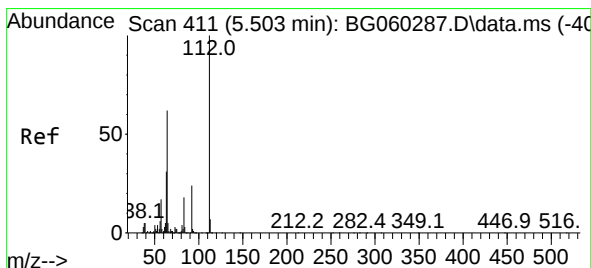
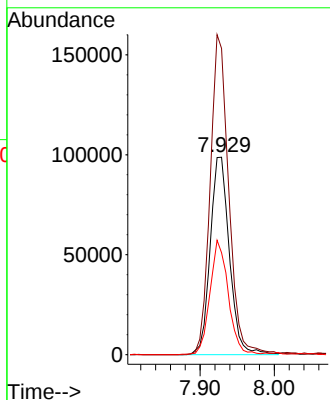
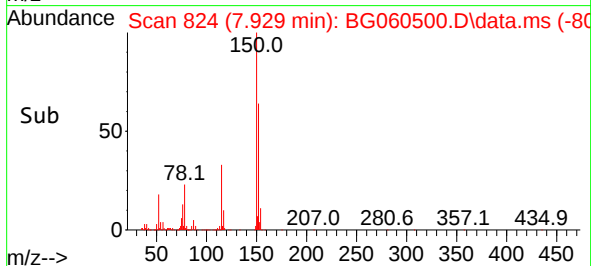
Instrument :
BNA_G
ClientSampleId :
SOUTH-JERSEY-PORT-SAMPLE-SET-2-A



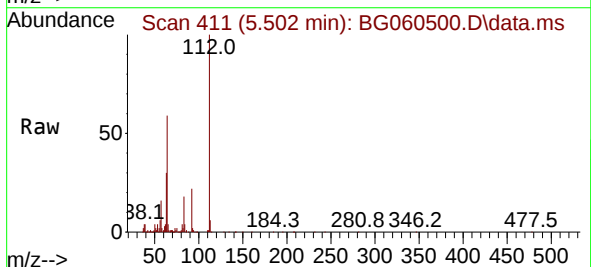
Tgt Ion:152 Resp: 177940
Ion Ratio Lower Upper
152 100
150 155.1 114.5 171.7
115 51.6 43.0 64.6

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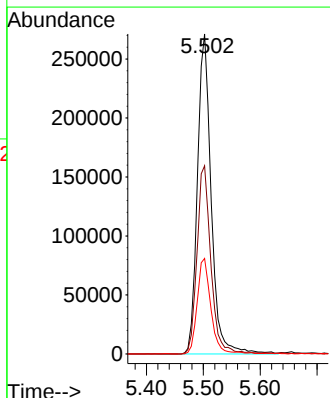
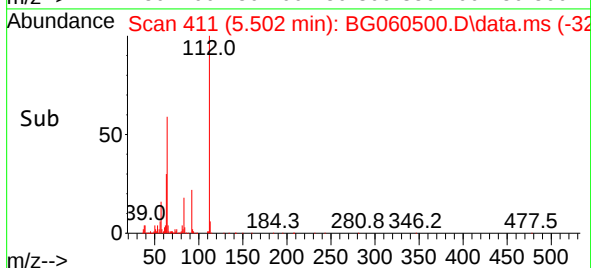
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#5
2-Fluorophenol
Concen: 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



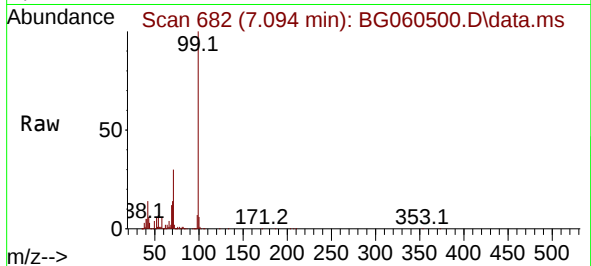
Tgt Ion:112 Resp: 457438
Ion Ratio Lower Upper
112 100
64 58.8 49.8 74.6
63 29.8 24.4 36.6





#7
Phenol-d6
Concen: 41.888 ng
RT: 7.094 min Scan# 682
Delta R.T. -0.001 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

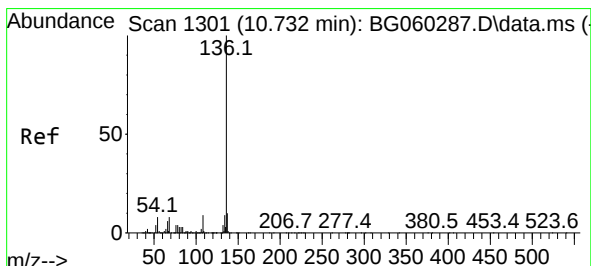
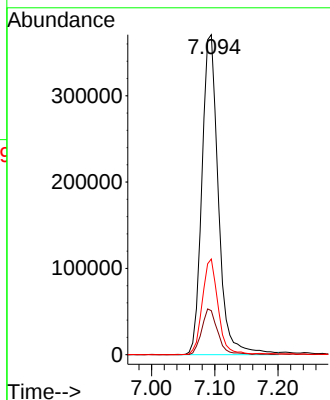
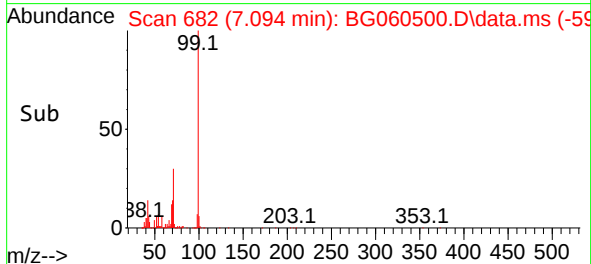
Instrument : BNA_G
ClientSampleId : SOUTH-JERSEY-PORT-SAMPLE-SET-2-A



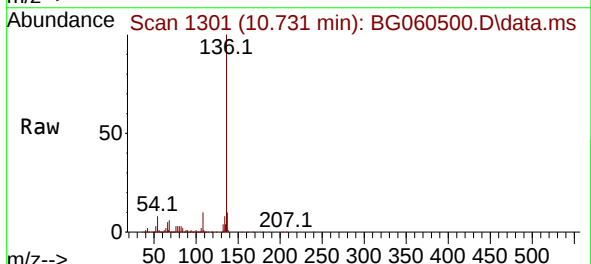
Tgt Ion: 99 Resp: 671049
Ion Ratio Lower Upper
99 100
42 13.8 10.9 16.3
71 29.9 21.5 32.3

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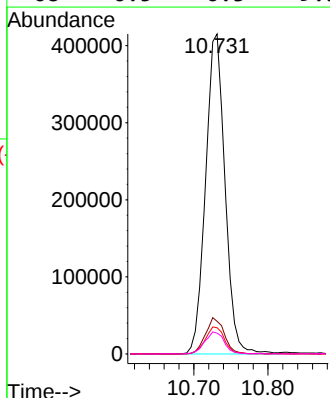
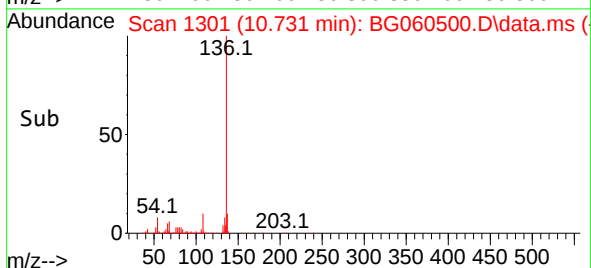
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024

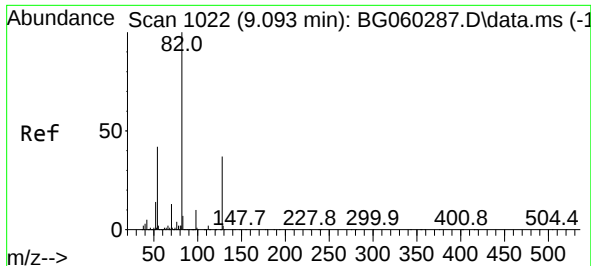


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 1301
Delta R.T. -0.001 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05



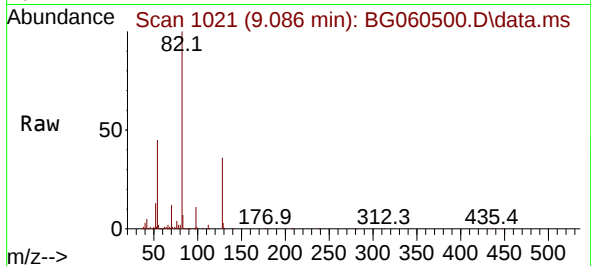
Tgt Ion:136 Resp: 754597
Ion Ratio Lower Upper
136 100
137 10.2 8.2 12.4
54 8.2 6.2 9.2
68 6.5 6.3 9.5





#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

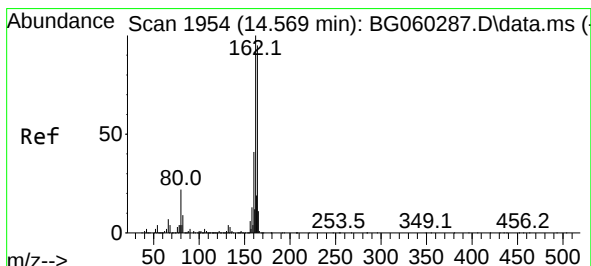
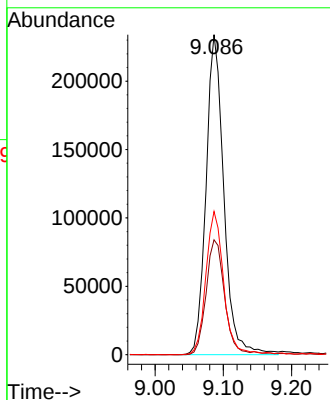
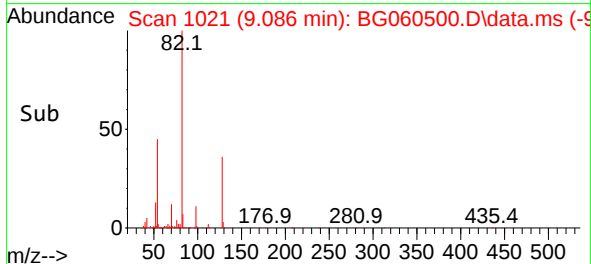
Instrument : BNA_G
ClientSampleId : SOUTH-JERSEY-PORT-SAMPLE-SET-2-A



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

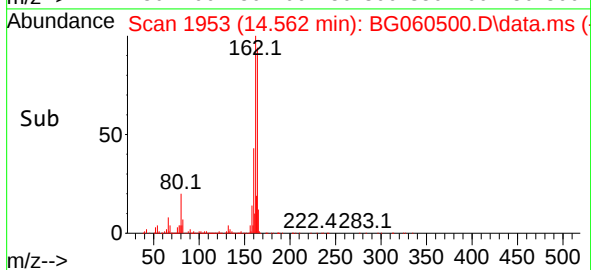
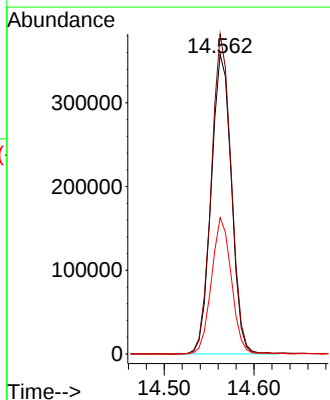
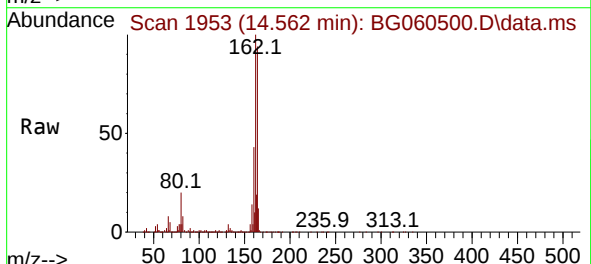
Manual Integrations
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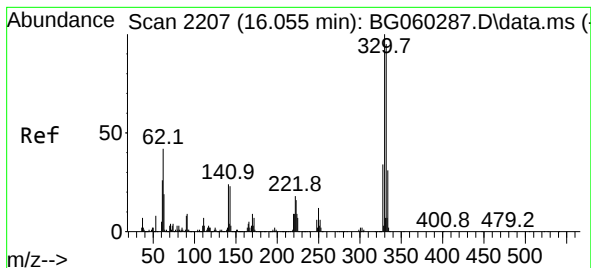
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.007 min
Lab File: 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





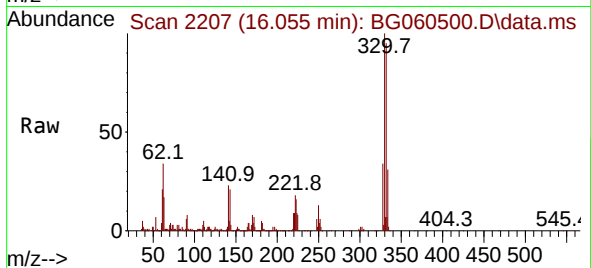
#42
2,4,6-Tribromophenol
Concen: 40.916 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

Instrument :

BNA_G

ClientSampleId :

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

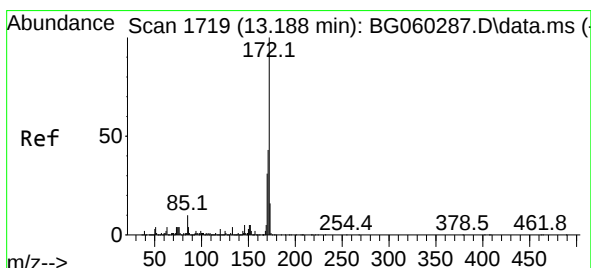
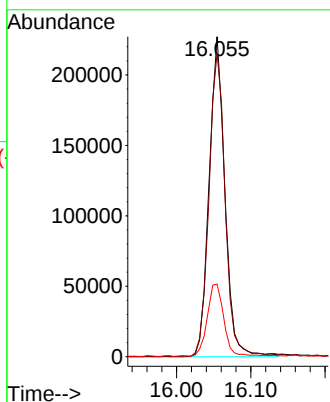
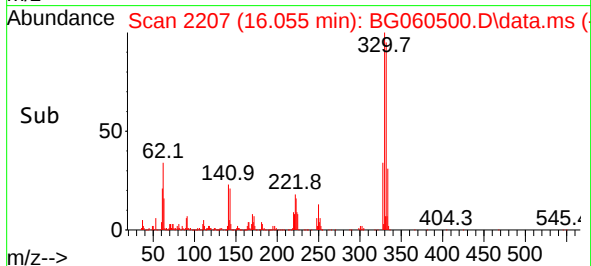


Tgt Ion:330 Resp: 33614
Ion Ratio Lower Upper
330 100
332 96.9 76.7 115.1
141 23.7 18.6 28.0

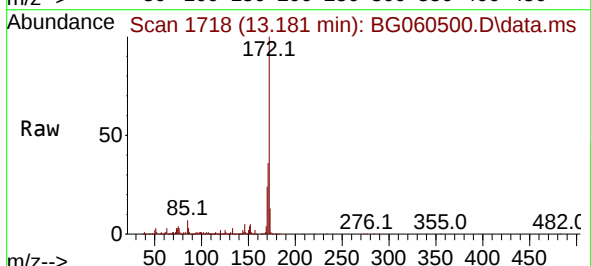
Manual Integrations

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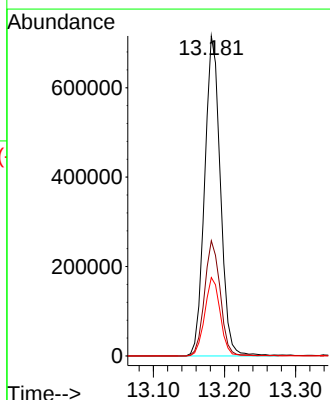
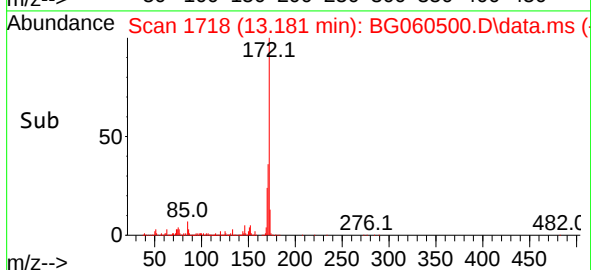
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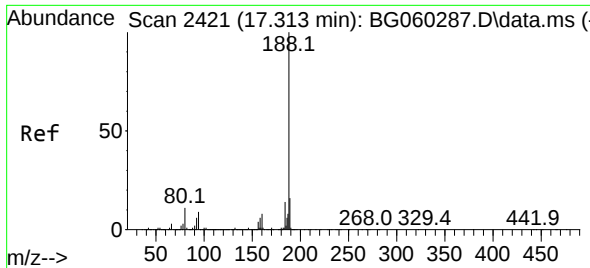


#45
2-Fluorobiphenyl
Concen: 27.527 ng
RT: 13.181 min Scan# 1718
Delta R.T. -0.007 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05



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





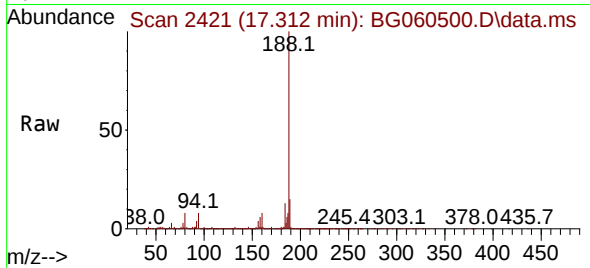
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.312 min Scan# 2421
Delta R.T. -0.001 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

Instrument :

BNA_G

ClientSampleId :

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

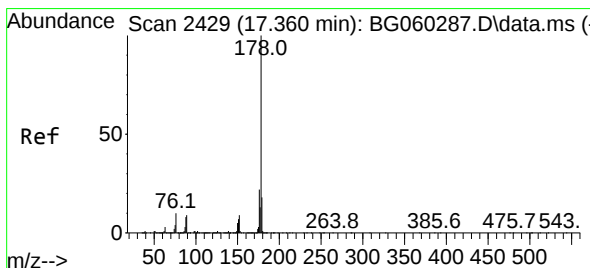
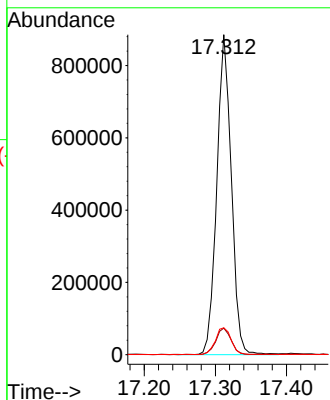
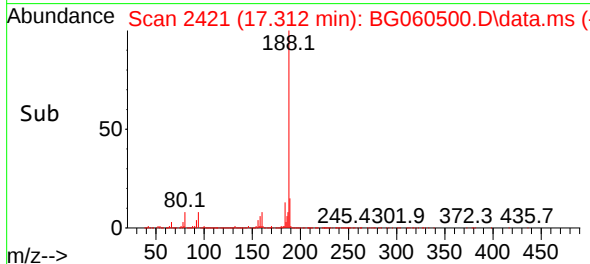


Tgt Ion:188 Resp: 1252294
Ion Ratio Lower Upper
188 100
94 8.3 7.1 10.7
80 8.4 8.5 12.7

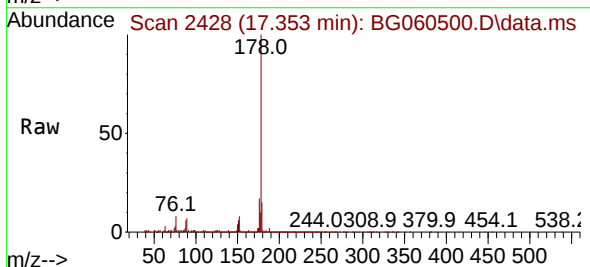
Manual Integrations

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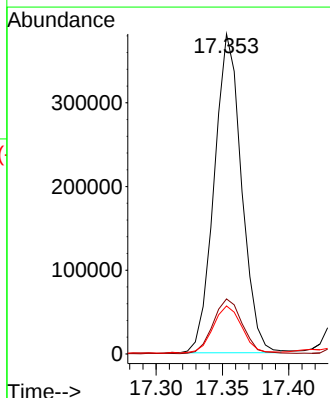
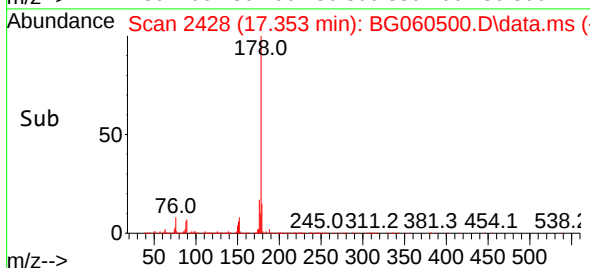
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Supervised By :Sohil Jodhani 01/31/2024

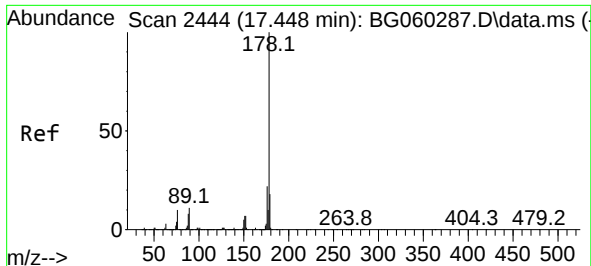


#71
Phenanthrene
Concen: 9.037 ng m
RT: 17.353 min Scan# 2428
Delta R.T. -0.007 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05



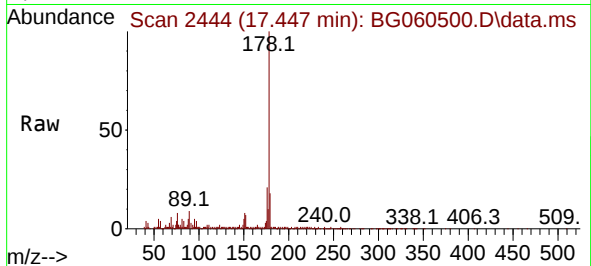
Tgt Ion:178 Resp: 547036
Ion Ratio Lower Upper
178 100
176 17.2 17.4 26.2#
179 15.0 14.7 22.1





#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

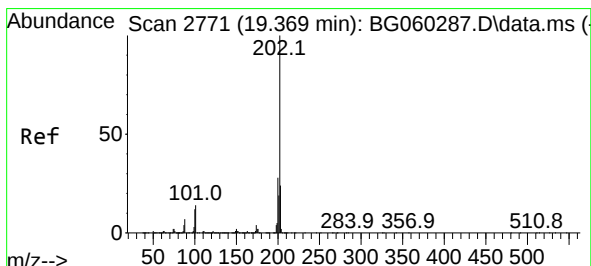
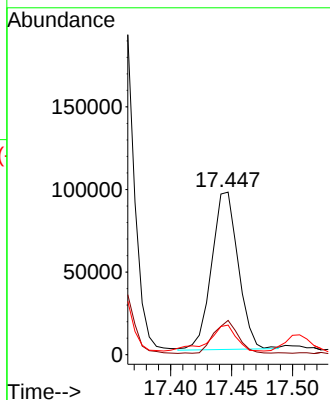
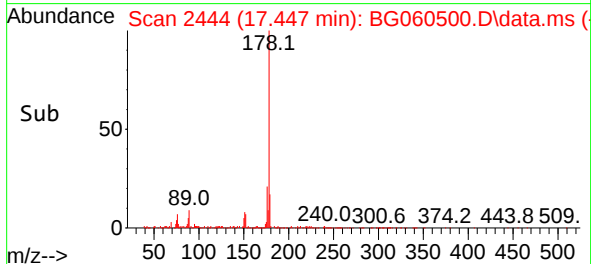
Instrument : BNA_G
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Tgt Ion:178 Resp: 144688
 Ion Ratio Lower Upper
 178 100
 176 21.0 17.8 26.6
 179 18.2 14.1 21.1

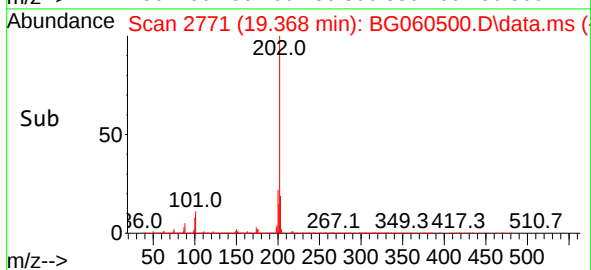
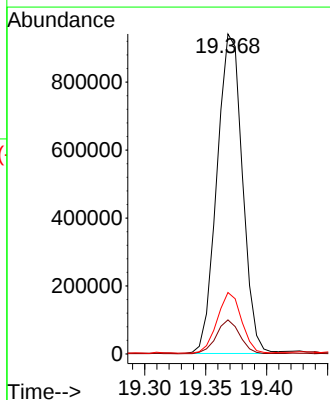
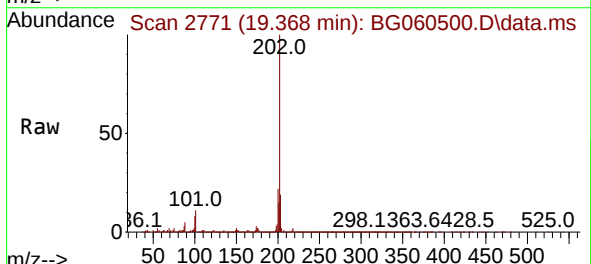
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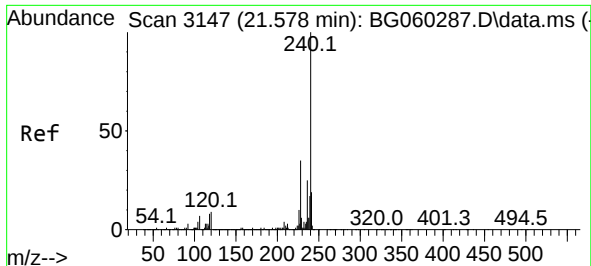
Reviewed By :Jagrut Upadhyay 01/31/2024
 Supervised By :Sohil Jodhani 01/31/2024



#75
 Fluoranthene
 Concen: 18.829 ng
 RT: 19.368 min Scan# 2771
 Delta R.T. -0.001 min
 Lab File: BG060500.D
 Acq: 31 Jan 2024 2:05

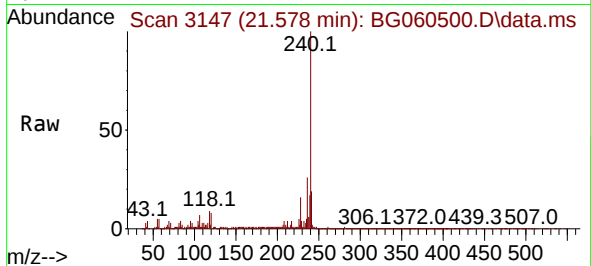
Tgt Ion:202 Resp: 1368932
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 34.4
 203 19.2 4.0 44.0





#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

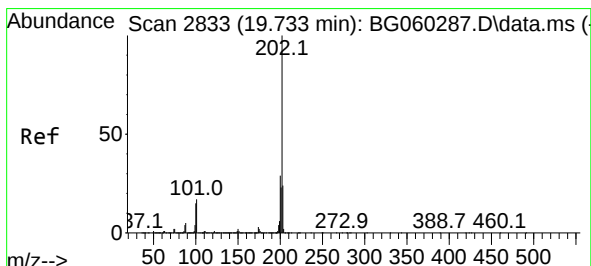
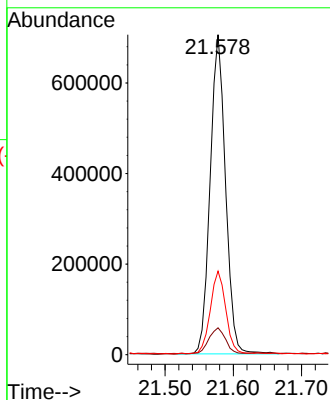
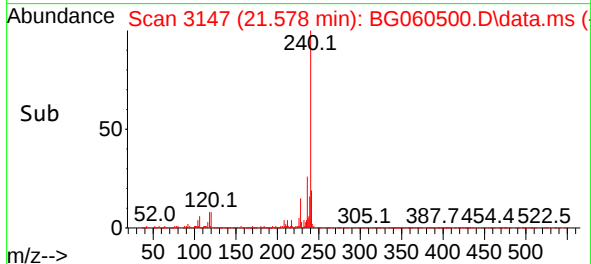
Instrument : BNA_G
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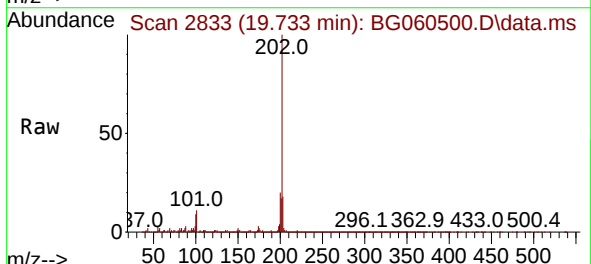
Tgt Ion:240 Resp: 1105619
Ion Ratio Lower Upper
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120 8.4 7.3 10.9
236 26.1 20.3 30.5

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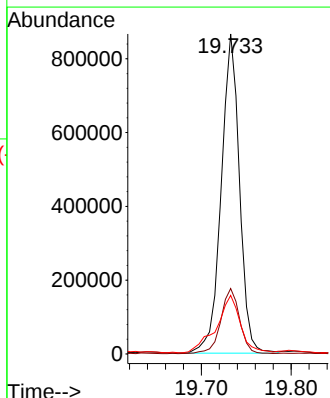
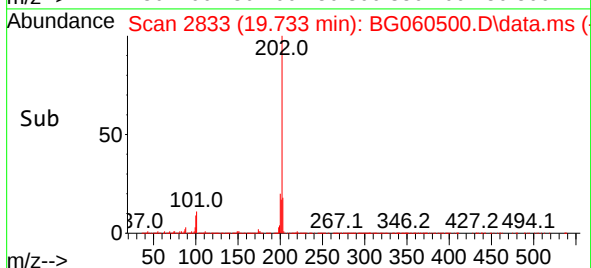
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024

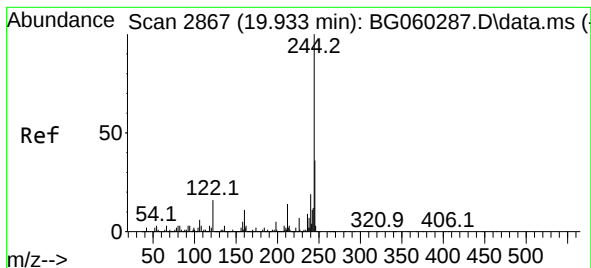


#78
Pyrene
Concen: 17.287 ng
RT: 19.733 min Scan# 2833
Delta R.T. -0.001 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05



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# 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:244 Resp: 1636078

Ion Ratio Lower Upper

244 100

212 6.8 10.9 16.3

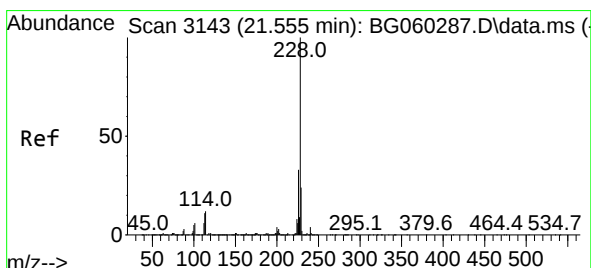
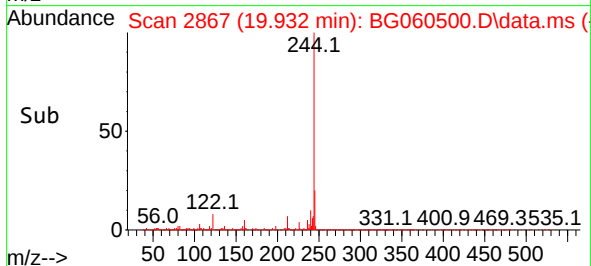
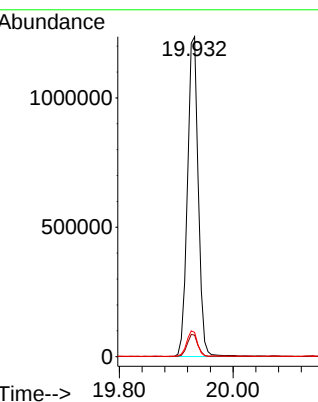
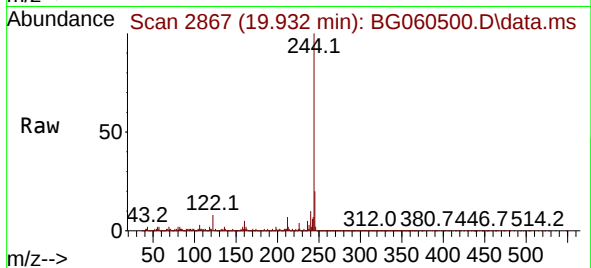
122 7.6 12.6 18.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/31/2024

Supervised By :Sohil Jodhani 01/31/2024



#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

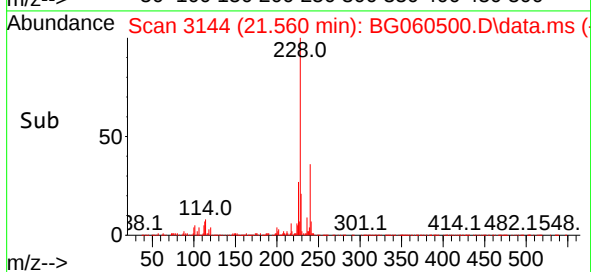
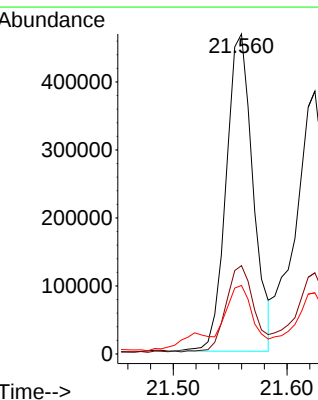
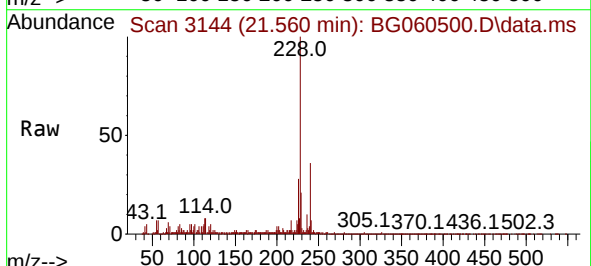
Tgt Ion:228 Resp: 768894

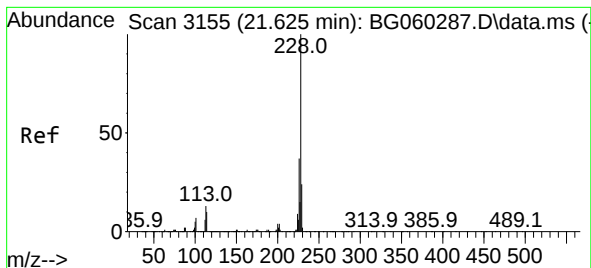
Ion Ratio Lower Upper

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

Instrument :

BNA_G

ClientSampleId :

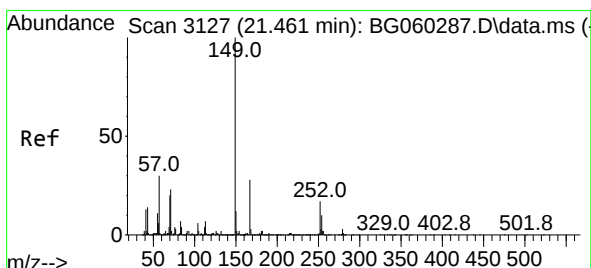
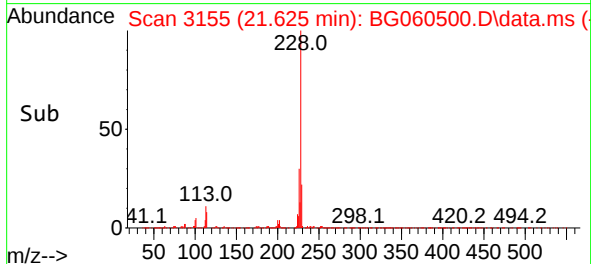
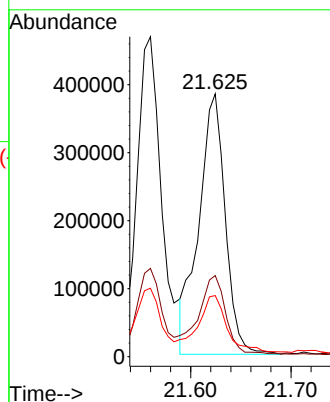
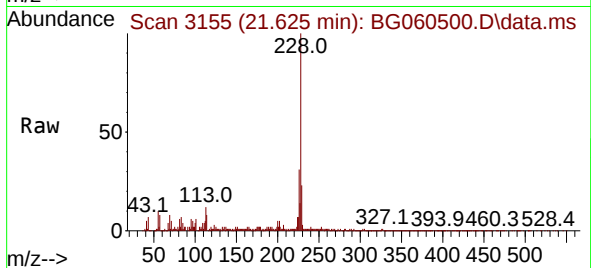
SOUTH-JERSEY-PORT-SAMPLE-SET-2-A

Tgt Ion:	228	Resp:	70526
Ion Ratio	Lower	Upper	
228	100		
226	30.9	29.4	44.2
229	23.3	19.2	28.8

Manual Integrations

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.409 ng

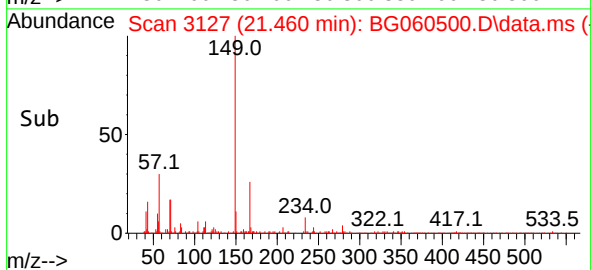
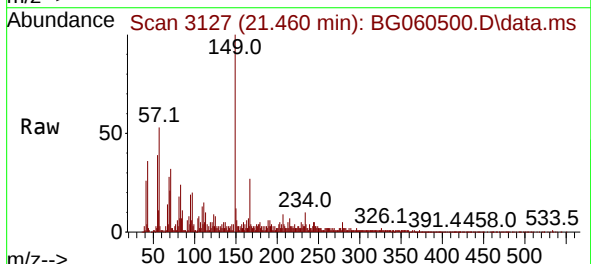
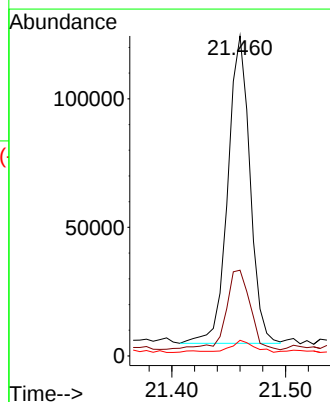
RT: 21.460 min Scan# 3127

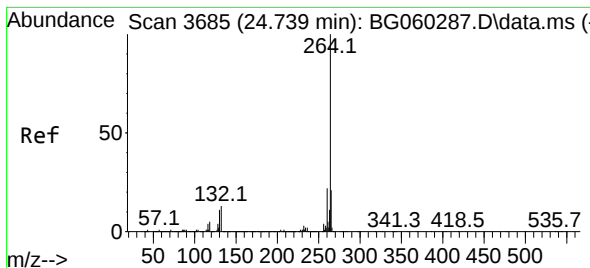
Delta R.T. -0.001 min

Lab File: BG060500.D

Acq: 31 Jan 2024 2:05

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# 30

Delta R.T. 0.011 min

Lab File: BG060500.D

Acq: 31 Jan 2024 2:05

Instrument :

BNA_G

ClientSampleId :

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

Tgt Ion:264 Resp: 1247250

Ion Ratio Lower Upper

264 100

260 23.7 17.8 26.6

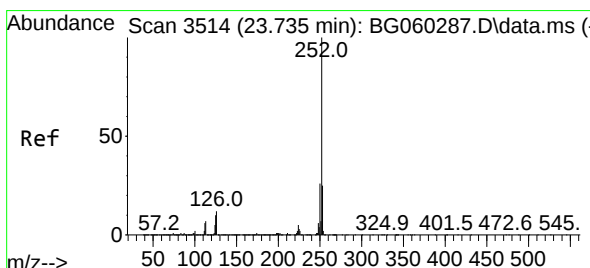
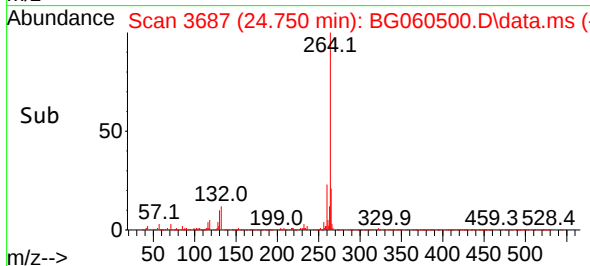
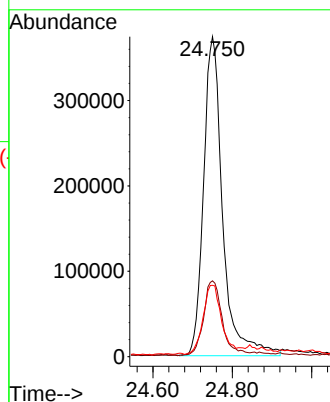
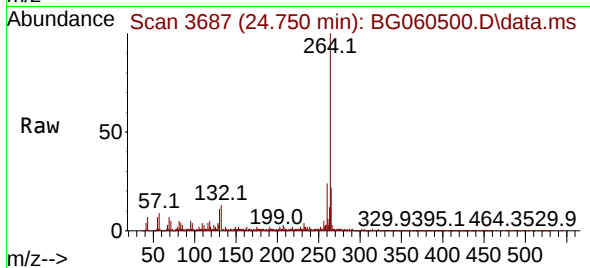
265 22.3 16.8 25.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/31/2024

Supervised By :Sohil Jodhani 01/31/2024



#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

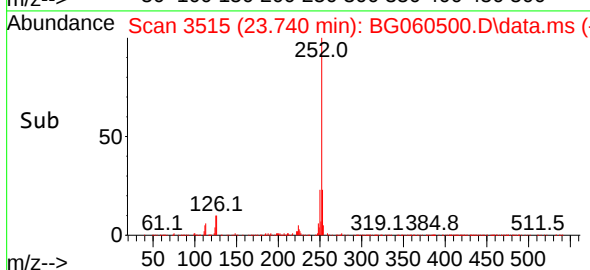
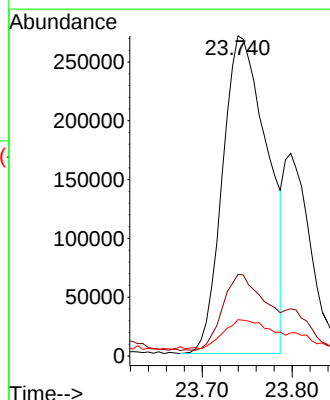
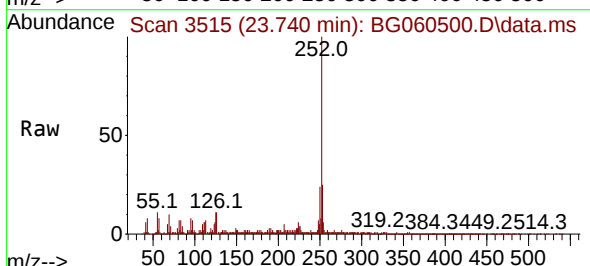
Tgt Ion:252 Resp: 937318

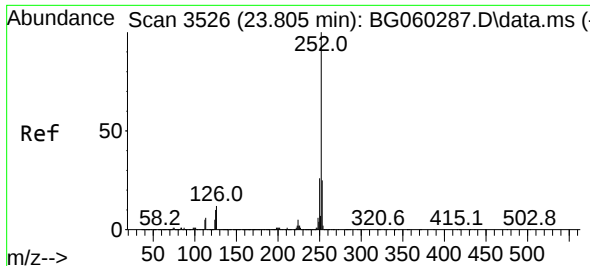
Ion Ratio Lower Upper

252 100

253 25.5 20.0 30.0

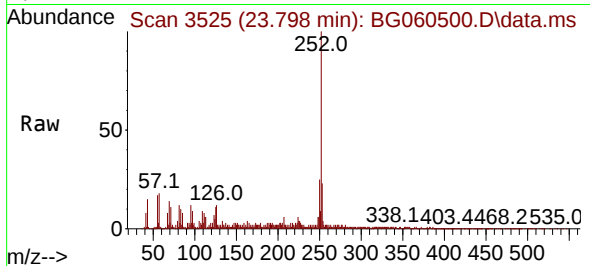
125 11.4 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 5.009 ng m
RT: 23.798 min Scan# 3526
Delta R.T. -0.007 min
Lab File: BG060500.D
Acq: 31 Jan 2024 2:05

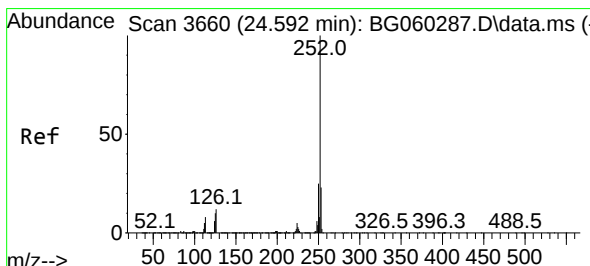
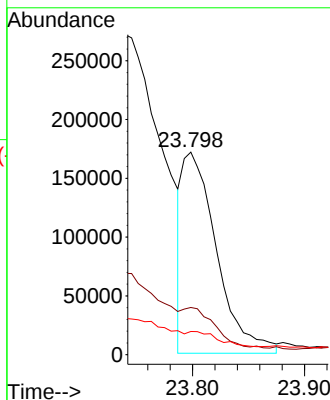
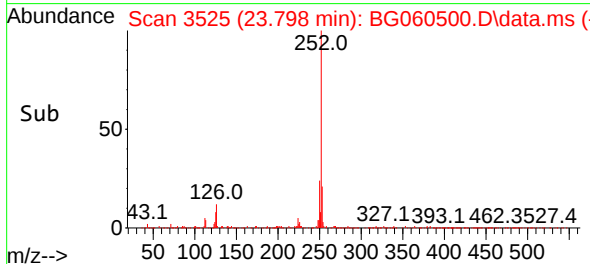
Instrument : BNA_G
ClientSampleId : SOUTH-JERSEY-PORT-SAMPLE-SET-2-A



Tgt Ion:252 Resp: 36417
Ion Ratio Lower Upper
252 100
253 23.3 19.6 29.4
125 11.5 8.2 12.2

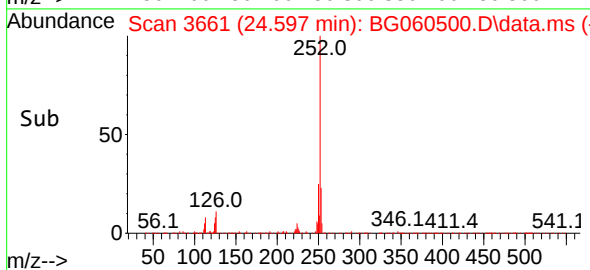
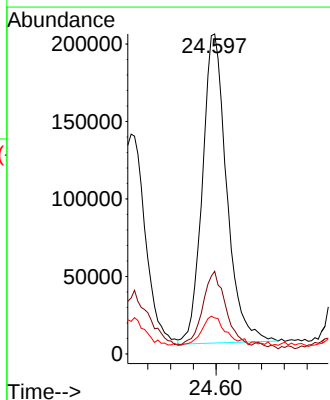
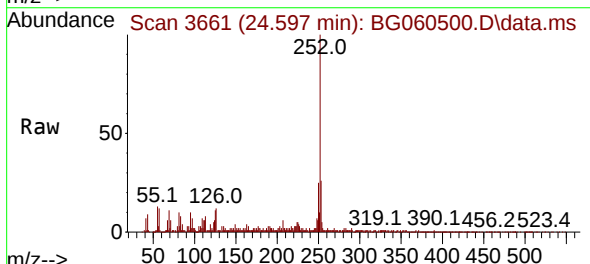
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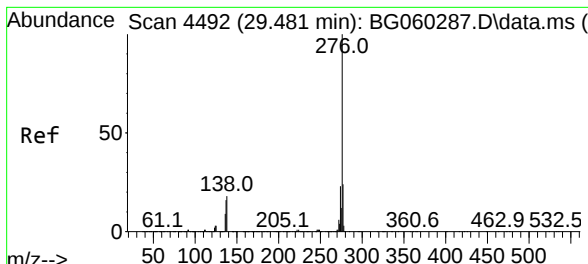
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#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

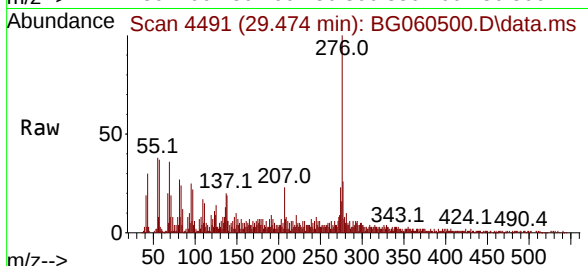
Tgt Ion:252 Resp: 590573
Ion Ratio Lower Upper
252 100
253 25.9 18.1 27.1
125 11.2 8.1 12.1





#92
 Benzo(g,h,i)perylene
 Concen: 3.545 ng
 RT: 29.474 min Scan# 44
 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: 276 Resp: 25730

Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.4	29.0
138	18.6	14.2	21.4

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

