

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
 Data File : BG060501.D
 Acq On : 31 Jan 2024 2:45
 Operator : MA/JU
 Sample : P1243-03 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MR-308-17-19

Manual Integrations
 APPROVED

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

Quant Time: Jan 31 04:42:44 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	187566	20.000	ng	0.00
21) Naphthalene-d8	10.732	136	775578	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	550987	20.000	ng	0.00
64) Phenanthrene-d10	17.312	188	1257701	20.000	ng	0.00
76) Chrysene-d12	21.578	240	1094114	20.000	ng	0.00
86) Perylene-d12	24.745	264	1199424	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.503	112	456457	40.027	ng	0.00
7) Phenol-d6	7.095	99	695780	41.204	ng	0.00
23) Nitrobenzene-d5	9.087	82	439622	26.766	ng	0.00
42) 2,4,6-Tribromophenol	16.055	330	348274	42.962	ng	0.00
45) 2-Fluorobiphenyl	13.182	172	1212071	30.584	ng	0.00
79) Terphenyl-d14	19.927	244	1844279	32.946	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.354	178	263493m	4.334	ng	
75) Fluoranthene	19.369	202	517775	7.091	ng	88
78) Pyrene	19.733	202	507766	7.267	ng	# 87
81) Benzo(a)anthracene	21.560	228	292607	4.320	ng	93
83) Chrysene	21.619	228	265531	3.986	ng	95
88) Benzo(b)fluoranthene	23.746	252	321016	4.530	ng	# 93
89) Benzo(k)fluoranthene	23.799	252	147917m	2.115	ng	
90) Benzo(a)pyrene	24.592	252	250508	3.914	ng	# 97

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

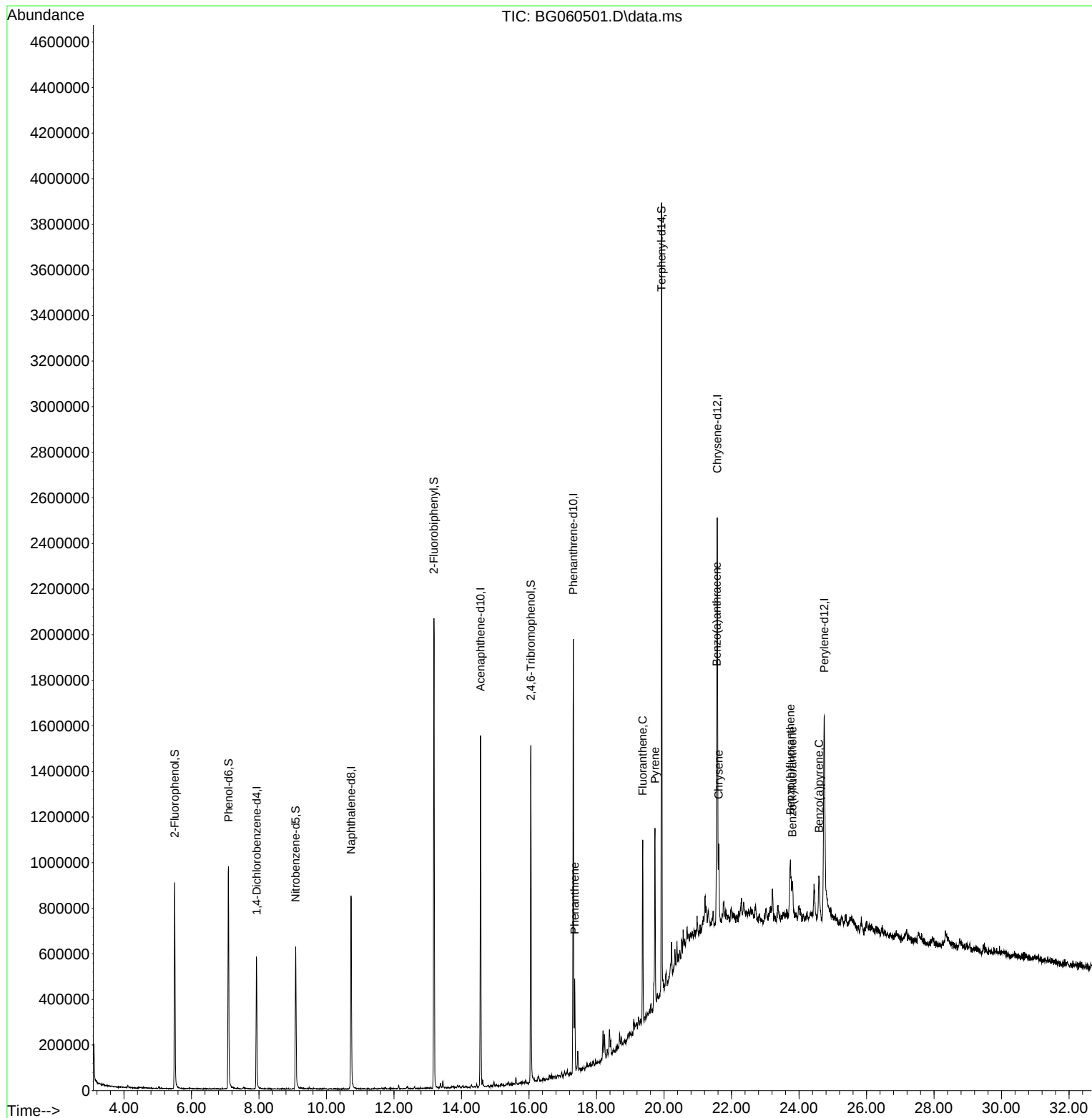
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Data File : BG060501.D
Acq On : 31 Jan 2024 2:45
Operator : MA/JU
Sample : P1243-03 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

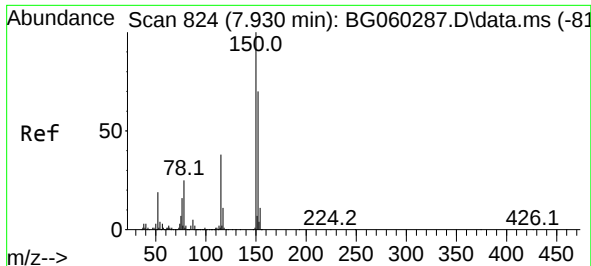
Instrument :
BNA_G
ClientSampleId :
MR-308-17-19

Quant Time: Jan 31 04:42:44 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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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Instrument :

BNA_G

ClientSampleId :

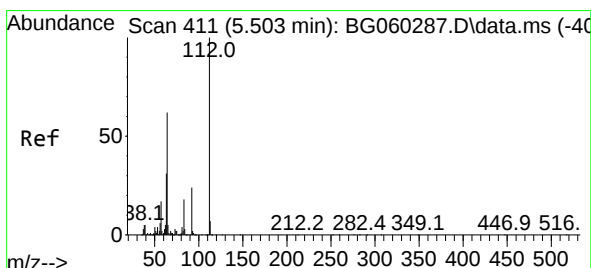
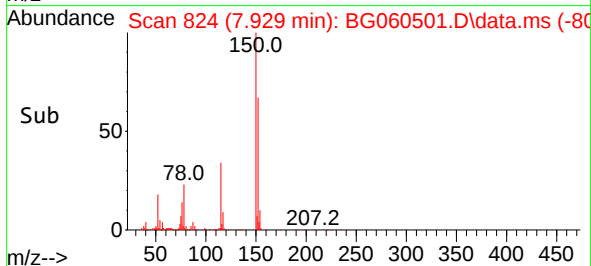
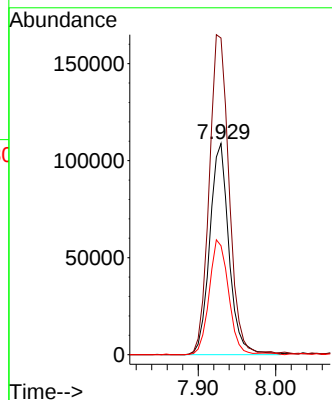
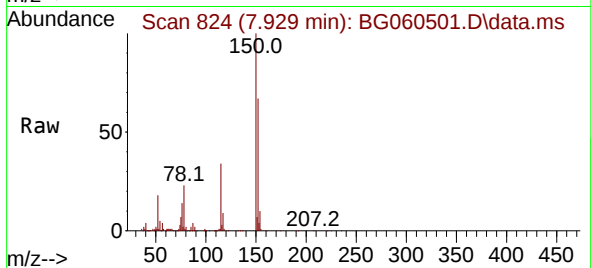
MR-308-17-19

Tgt Ion:152 Resp: 187560
Ion Ratio Lower Upper
152 100
150 150.0 114.5 171.7
115 51.6 43.0 64.6

Manual Integrations

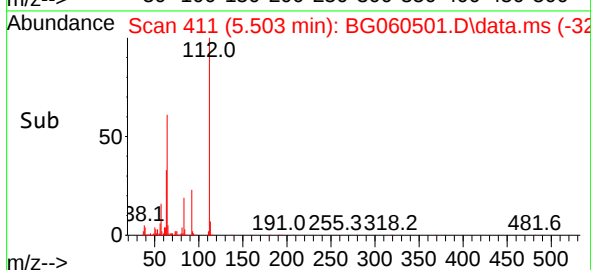
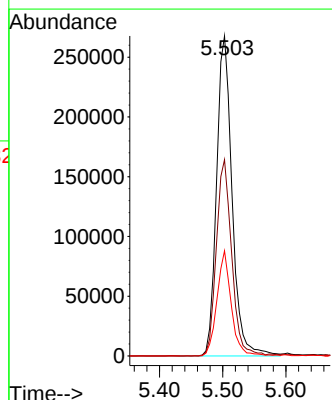
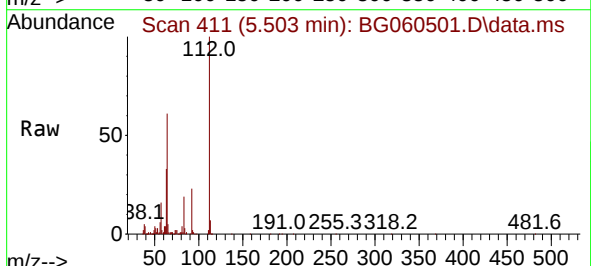
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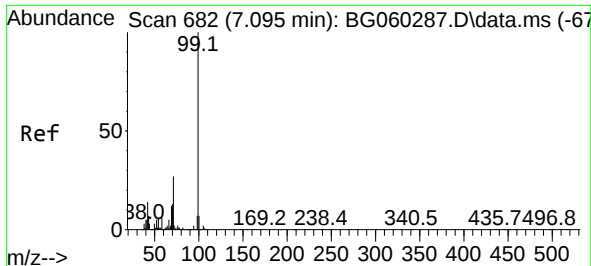
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Supervised By :Sohil Jodhani 01/31/2024



#5
2-Fluorophenol
Concen: 40.027 ng
RT: 5.503 min Scan# 411
Delta R.T. -0.000 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Tgt Ion:112 Resp: 456457
Ion Ratio Lower Upper
112 100
64 61.4 49.8 74.6
63 32.9 24.4 36.6





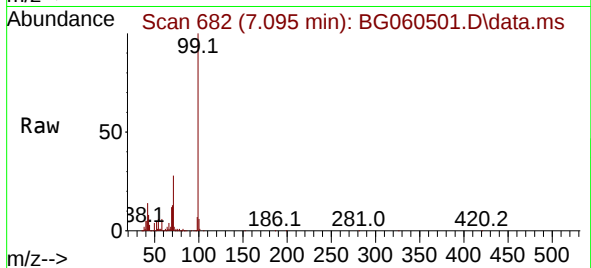
#7
Phenol-d6
Concen: 41.204 ng
RT: 7.095 min Scan# 682
Delta R.T. -0.000 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Instrument :

BNA_G

ClientSampleId :

MR-308-17-19

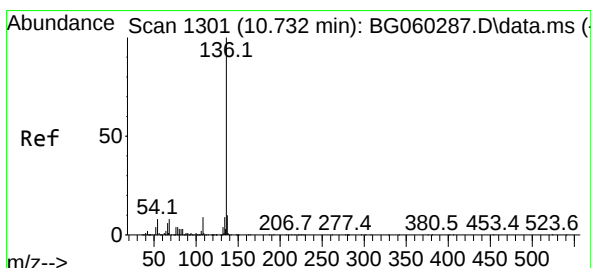
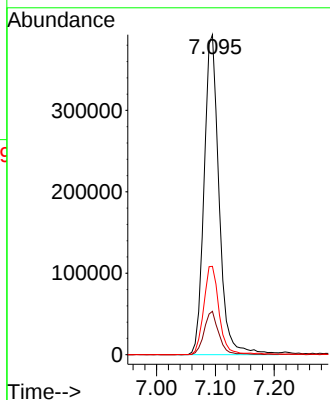
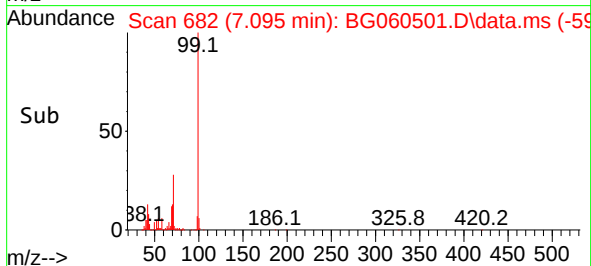


Tgt Ion: 99 Resp: 695780
Ion Ratio Lower Upper
99 100
42 13.5 10.9 16.3
71 27.6 21.5 32.3

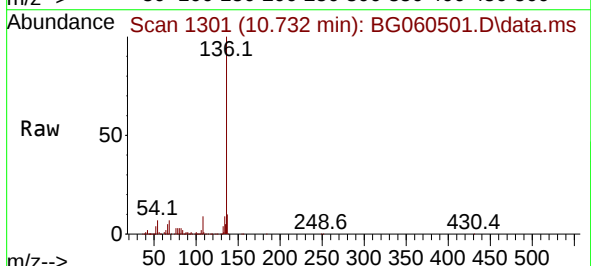
Manual Integrations

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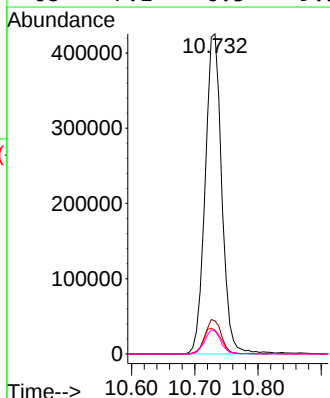
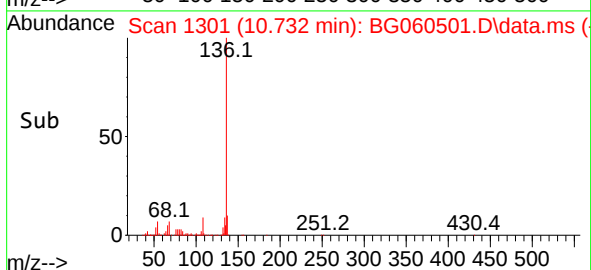
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Supervised By :Sohil Jodhani 01/31/2024

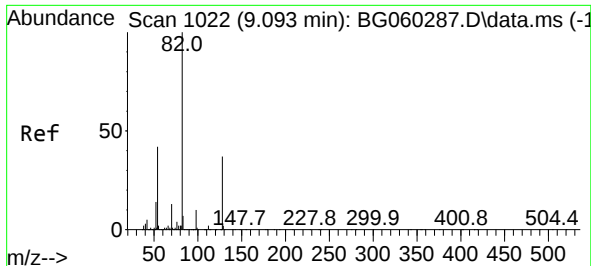


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 1301
Delta R.T. -0.000 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45



Tgt Ion:136 Resp: 775578
Ion Ratio Lower Upper
136 100
137 10.3 8.2 12.4
54 7.5 6.2 9.2
68 7.1 6.3 9.5





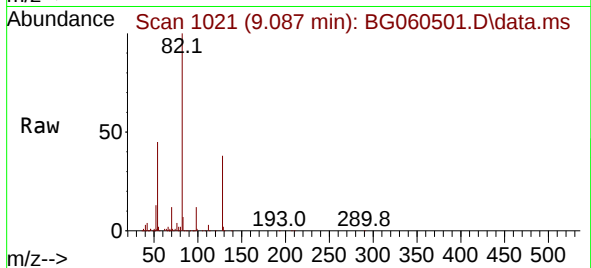
#23
Nitrobenzene-d5
Concen: 26.766 ng
RT: 9.087 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Instrument :

BNA_G

ClientSampleId :

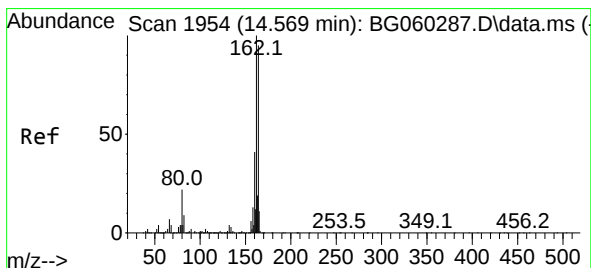
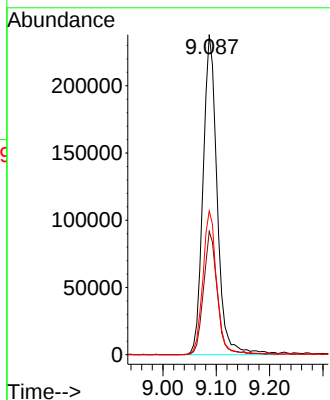
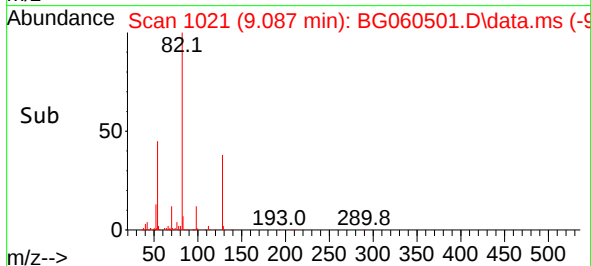
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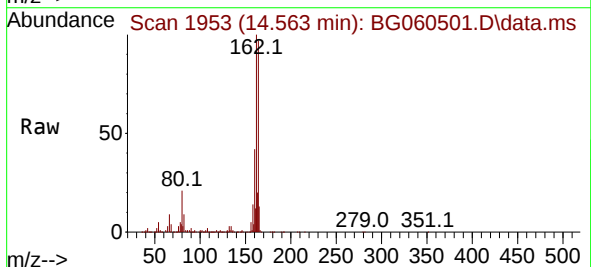
Tgt Ion: 82 Resp: 43962
Ion Ratio Lower Upper
82 100
128 38.5 29.6 44.4
54 44.9 33.6 50.4

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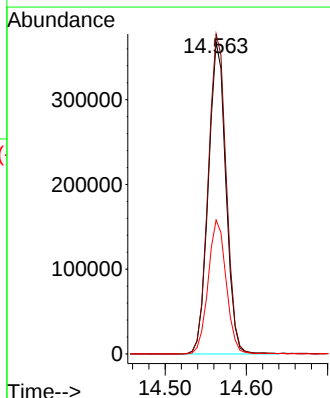
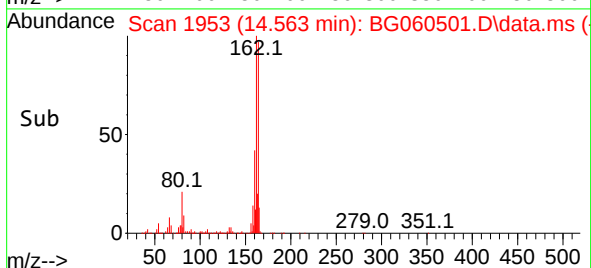
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Supervised By :Sohil Jodhani 01/31/2024

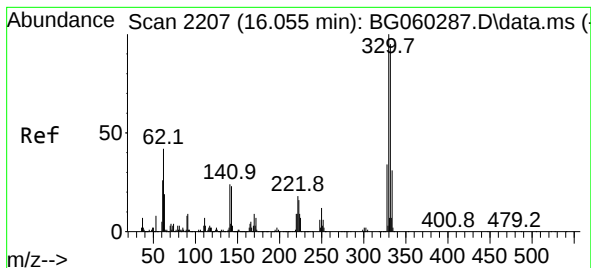


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45



Tgt Ion:164 Resp: 550987
Ion Ratio Lower Upper
164 100
162 102.6 84.4 126.6
160 43.0 34.6 52.0





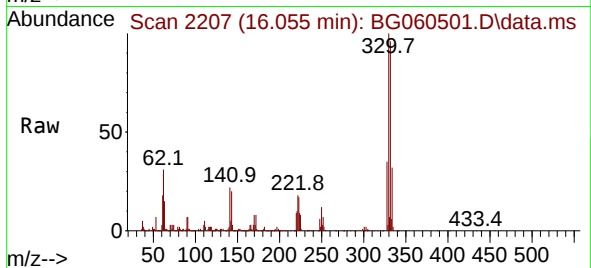
#42
2,4,6-Tribromophenol
Concen: 42.962 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Instrument :

BNA_G

ClientSampleId :

MR-308-17-19

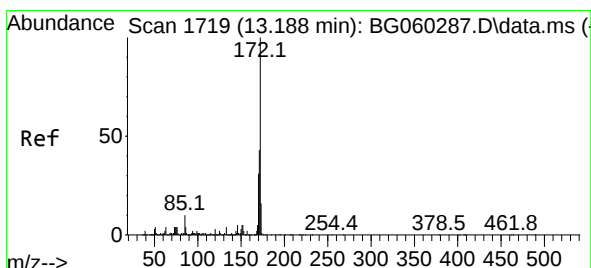
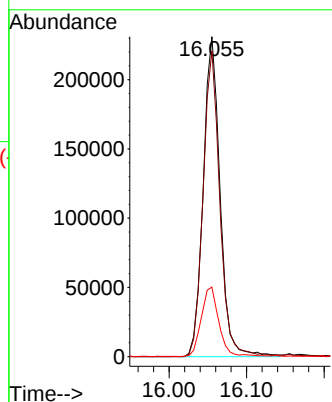
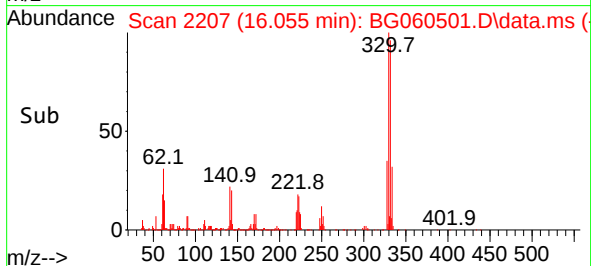


Tgt Ion:330 Resp: 348274
Ion Ratio Lower Upper
330 100
332 95.0 76.7 115.1
141 22.7 18.6 28.0

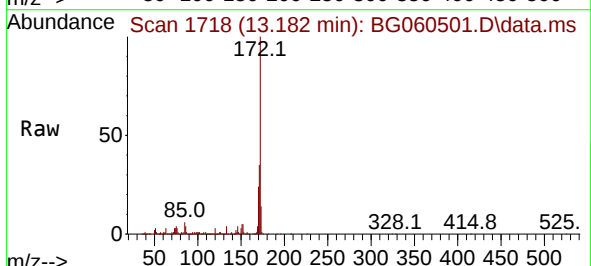
Manual Integrations

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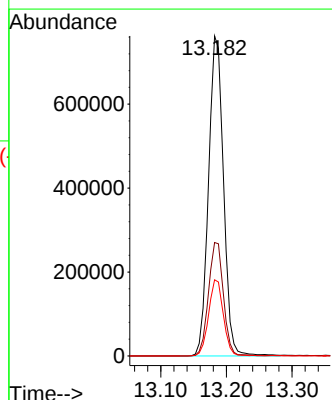
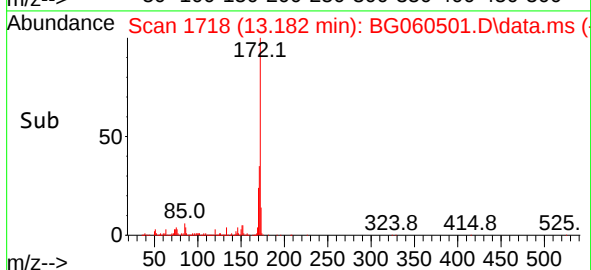
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024

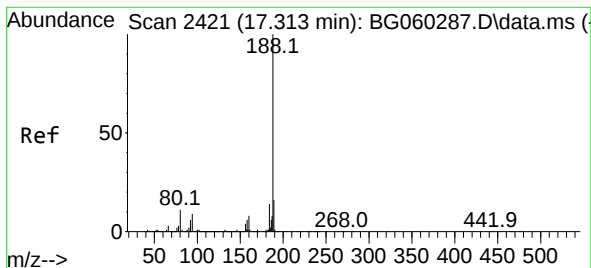


#45
2-Fluorobiphenyl
Concen: 30.584 ng
RT: 13.182 min Scan# 1718
Delta R.T. -0.006 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45



Tgt Ion:172 Resp: 1212071
Ion Ratio Lower Upper
172 100
171 35.4 34.6 51.8
170 23.8 24.4 36.6#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.312 min Scan# 2421
Delta R.T. -0.000 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Instrument :

BNA_G

ClientSampleId :

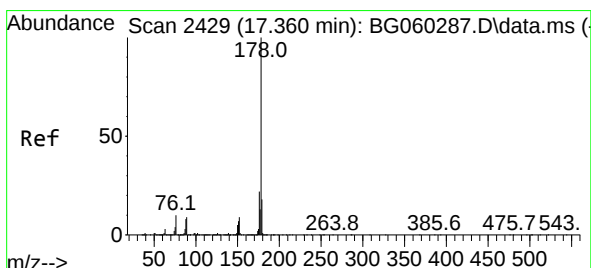
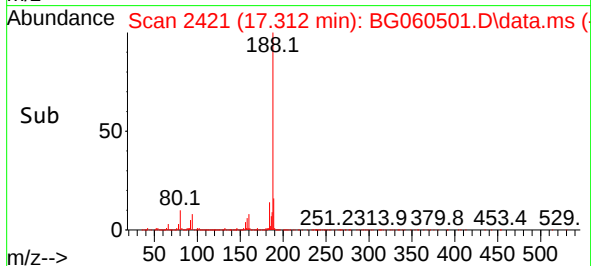
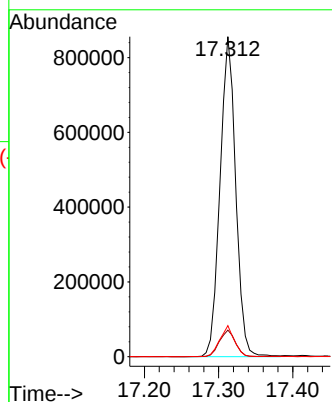
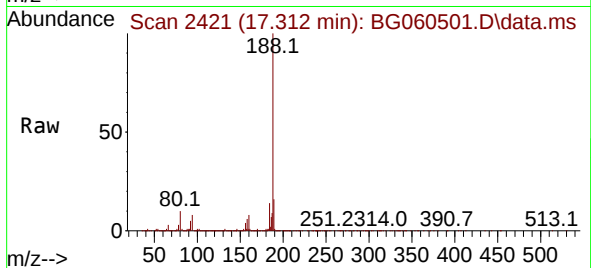
MR-308-17-19

Tgt Ion:188 Resp: 125770
Ion Ratio Lower Upper
188 100
94 8.3 7.1 10.7
80 9.7 8.5 12.7

Manual Integrations

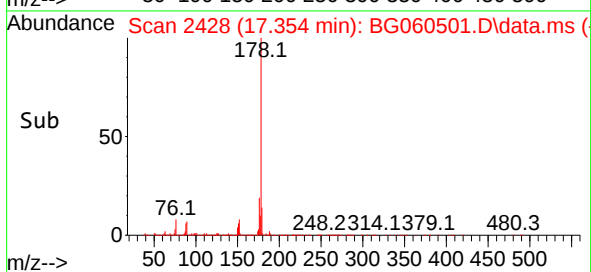
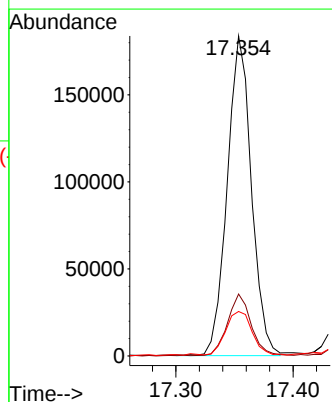
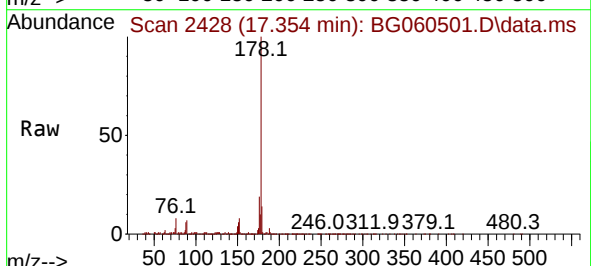
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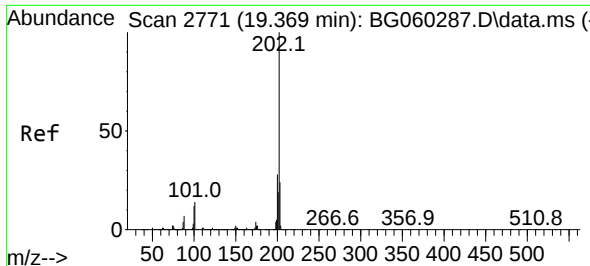
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#71
Phenanthrene
Concen: 4.334 ng m
RT: 17.354 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Tgt Ion:178 Resp: 263493
Ion Ratio Lower Upper
178 100
176 19.3 17.4 26.2
179 13.9 14.7 22.1#





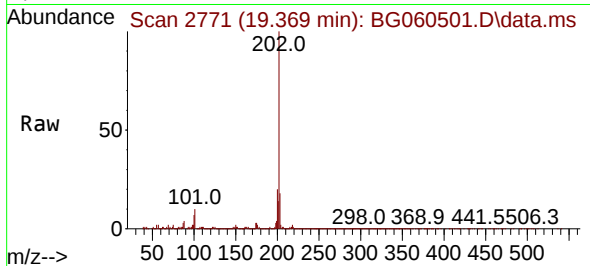
#75
Fluoranthene
Concen: 7.091 ng
RT: 19.369 min Scan# 2771
Delta R.T. -0.000 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Instrument :

BNA_G

ClientSampleId :

MR-308-17-19

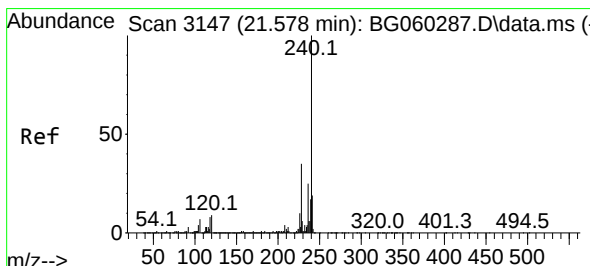
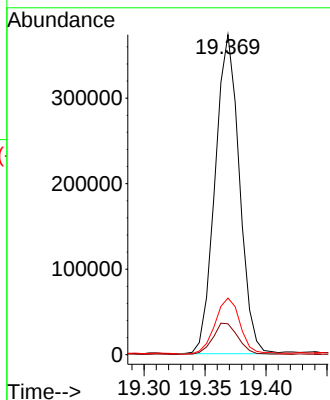
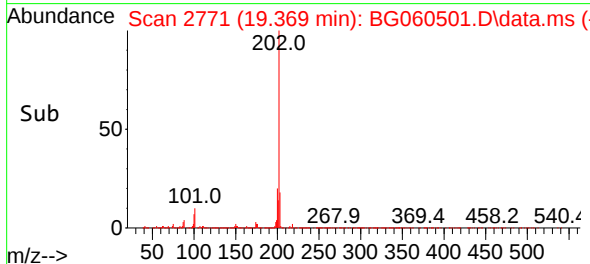


Tgt Ion:202 Resp: 517775
Ion Ratio Lower Upper
202 100
101 9.6 0.0 34.4
203 17.7 4.0 44.0

Manual Integrations

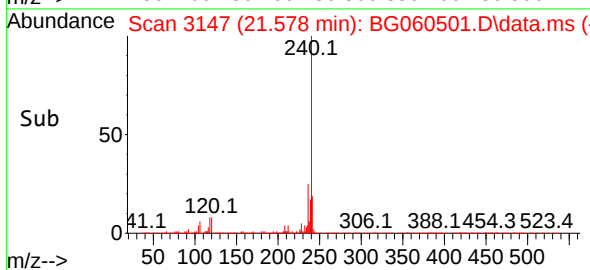
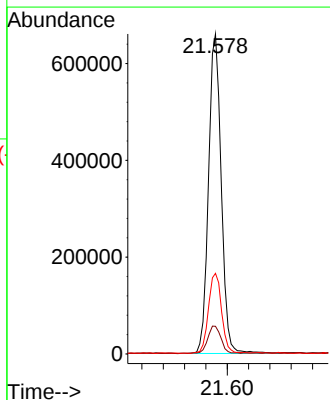
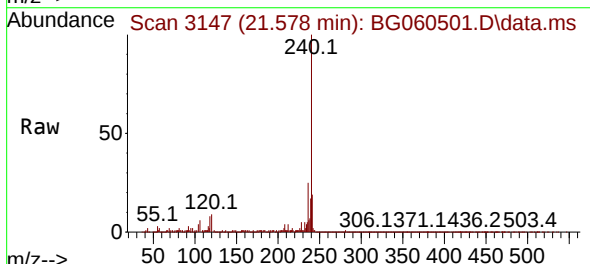
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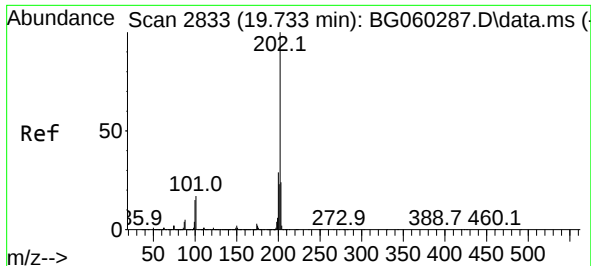
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.578 min Scan# 3147
Delta R.T. -0.000 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Tgt Ion:240 Resp: 1094114
Ion Ratio Lower Upper
240 100
120 8.7 7.3 10.9
236 25.2 20.3 30.5





#78
Pyrene
Concen: 7.267 ng
RT: 19.733 min Scan# 2833
Delta R.T. -0.000 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Instrument :

BNA_G

ClientSampleId :

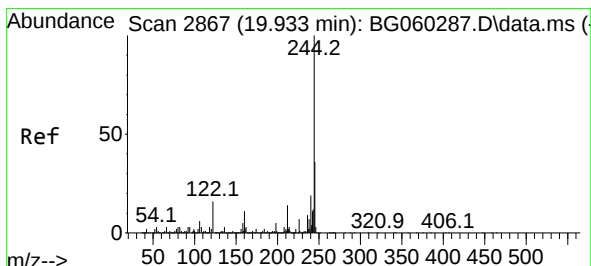
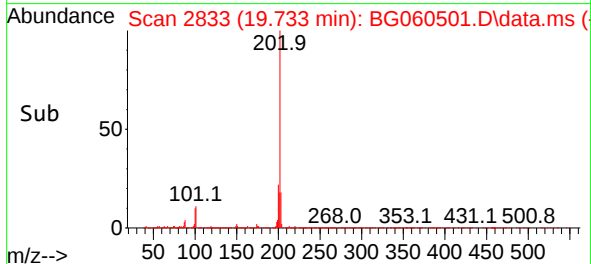
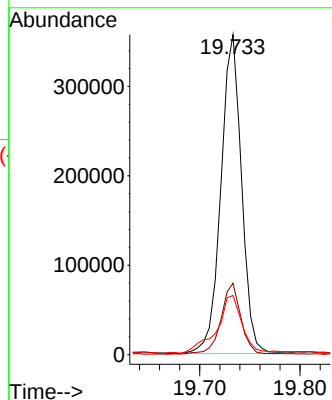
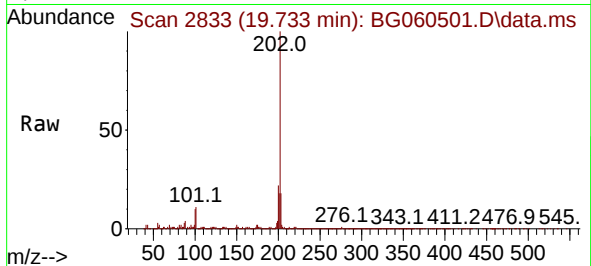
MR-308-17-19

Tgt Ion:202 Resp: 507760
Ion Ratio Lower Upper
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200 22.3 23.5 35.3#
203 18.5 19.6 29.4#

Manual Integrations

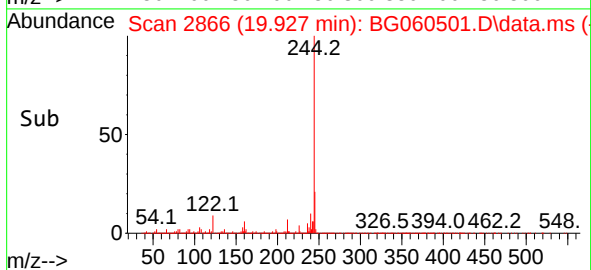
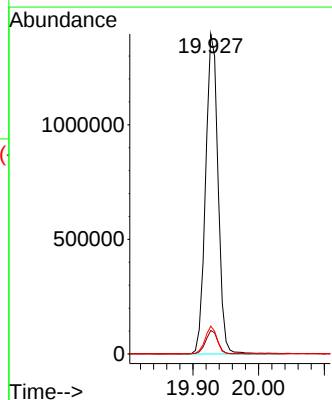
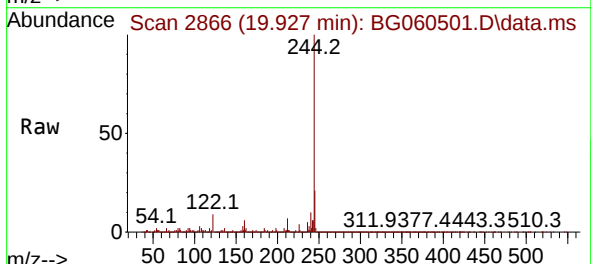
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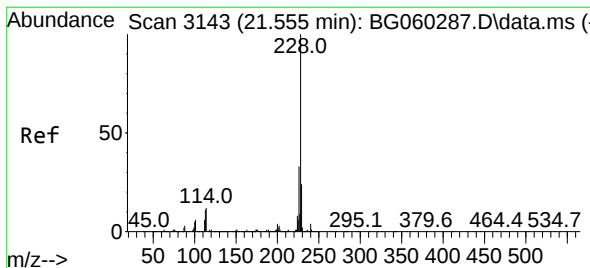
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#79
Terphenyl-d14
Concen: 32.946 ng
RT: 19.927 min Scan# 2866
Delta R.T. -0.006 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Tgt Ion:244 Resp: 1844279
Ion Ratio Lower Upper
244 100
212 7.3 10.9 16.3#
122 8.7 12.6 18.8#





#81

Benzo(a)anthracene

Concen: 4.320 ng

RT: 21.560 min Scan# 3143

Delta R.T. 0.006 min

Lab File: BG060501.D

Acq: 31 Jan 2024 2:45

Instrument :

BNA_G

ClientSampleId :

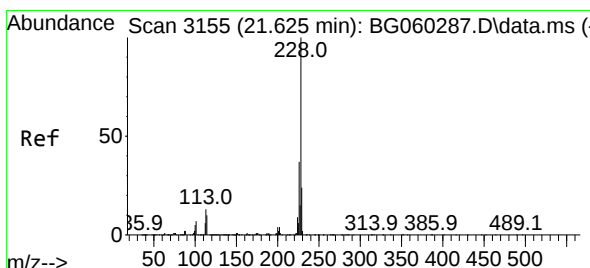
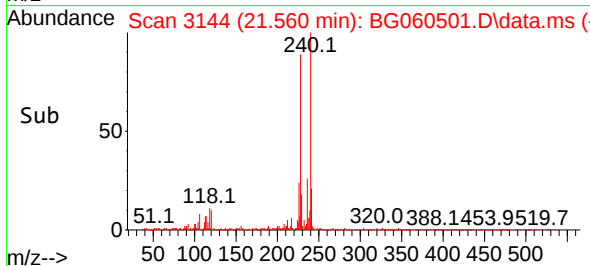
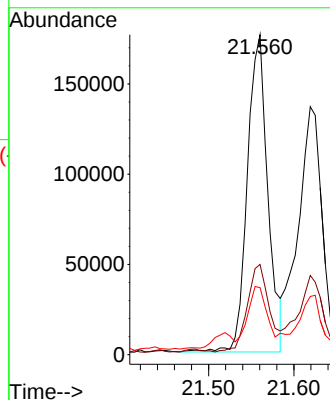
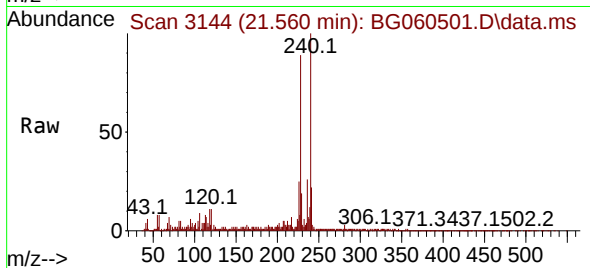
MR-308-17-19

Tgt Ion:228 Resp: 29260
 Ion Ratio Lower Upper
 228 100
 226 28.2 26.2 39.2
 229 21.0 19.4 29.2

Manual Integrations

APPROVED

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



#83

Chrysene

Concen: 3.986 ng

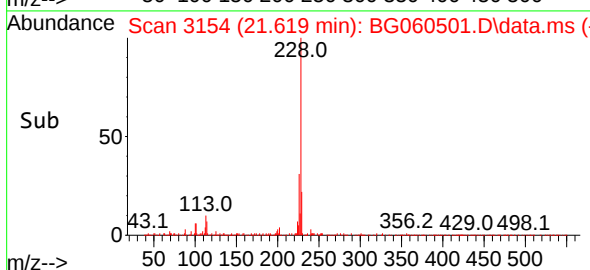
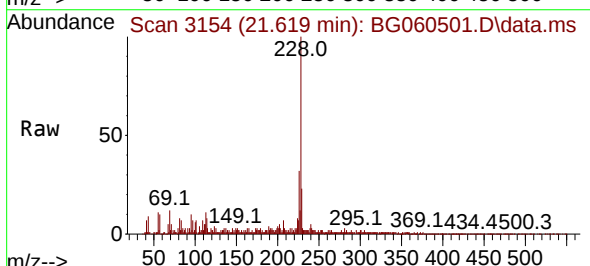
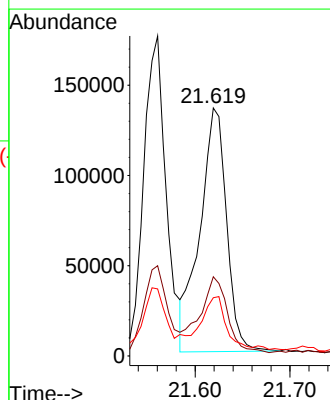
RT: 21.619 min Scan# 3154

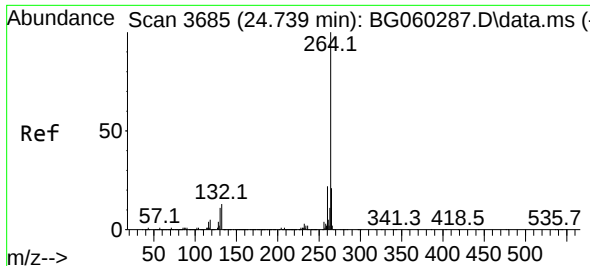
Delta R.T. -0.006 min

Lab File: BG060501.D

Acq: 31 Jan 2024 2:45

Tgt Ion:228 Resp: 265531
 Ion Ratio Lower Upper
 228 100
 226 31.9 29.4 44.2
 229 23.5 19.2 28.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.745 min Scan# 30
Delta R.T. 0.006 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Instrument :

BNA_G

ClientSampleId :

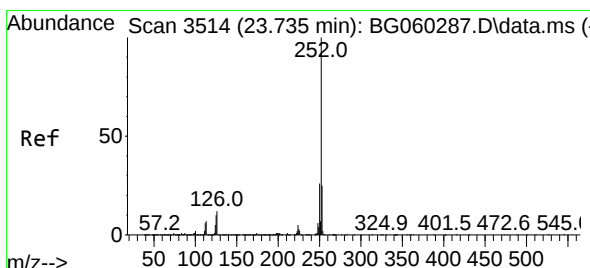
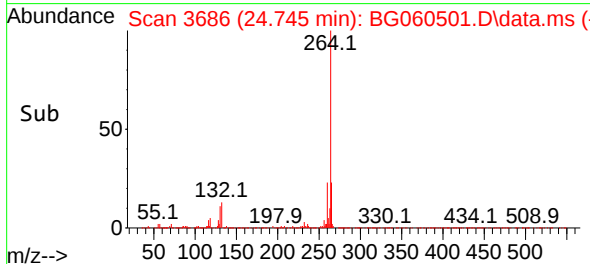
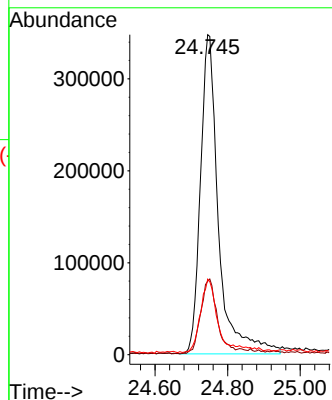
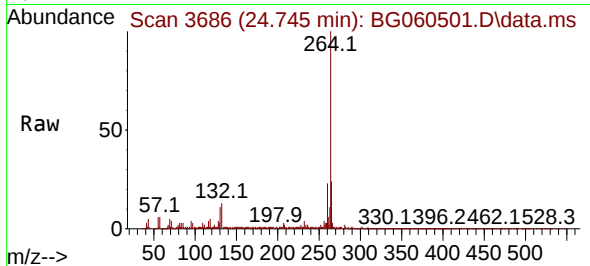
MR-308-17-19

Tgt Ion:264 Resp: 1199424
Ion Ratio Lower Upper
264 100
260 22.9 17.8 26.6
265 23.6 16.8 25.2

Manual Integrations

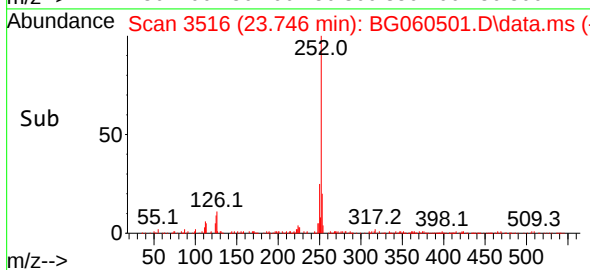
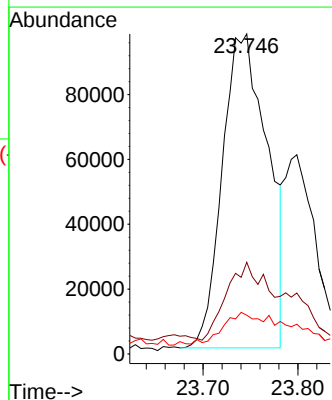
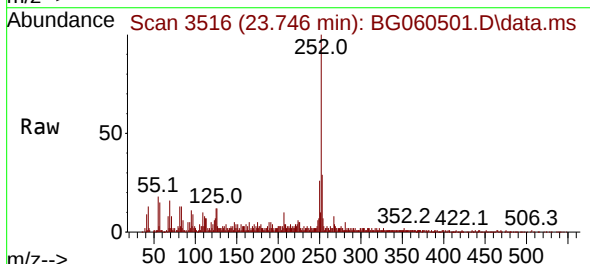
APPROVED

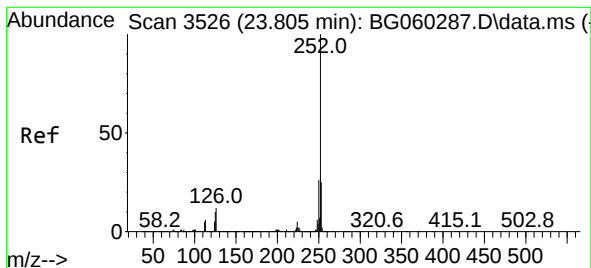
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#88
Benzo(b)fluoranthene
Concen: 4.530 ng
RT: 23.746 min Scan# 3516
Delta R.T. 0.011 min
Lab File: BG060501.D
Acq: 31 Jan 2024 2:45

Tgt Ion:252 Resp: 321016
Ion Ratio Lower Upper
252 100
253 28.7 20.0 30.0
125 12.1 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 2.115 ng m

RT: 23.799 min Scan# 3

Delta R.T. -0.006 min

Lab File: BG060501.D

Acq: 31 Jan 2024 2:45

Instrument :

BNA_G

ClientSampleId :

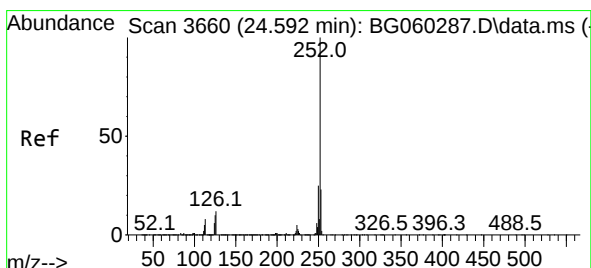
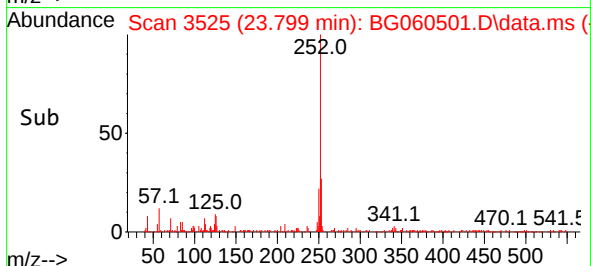
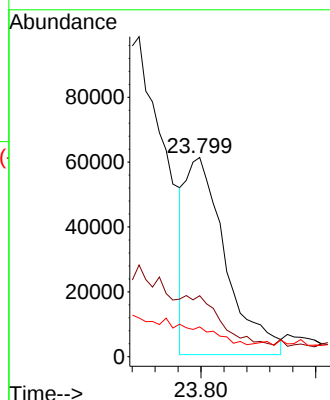
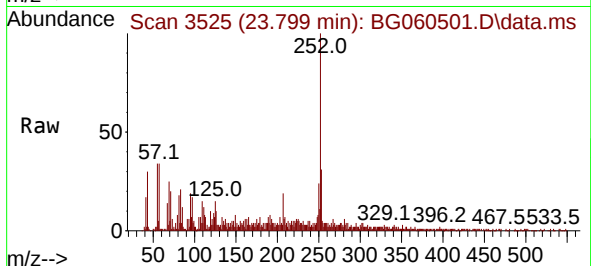
MR-308-17-19

Tgt Ion:	252	Resp:	14791
Ion Ratio	Lower	Upper	
252	100		
253	30.6	19.6	29.4
125	15.0	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: 3.914 ng

RT: 24.592 min Scan# 3660

Delta R.T. -0.000 min

Lab File: BG060501.D

Acq: 31 Jan 2024 2:45

Tgt Ion:	252	Resp:	250508
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.1	27.1
125	13.1	8.1	12.1

