

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
 Data File : BG061083.D
 Acq On : 1 May 2024 19:32
 Operator : MA/JU
 Sample : P2326-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-02-043024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024
 Supervised By :mohammad ahmed 05/06/2024

Quant Time: May 02 05:36:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	32933	20.000	ng	-0.03
21) Naphthalene-d8	10.732	136	126105	20.000	ng	-0.03
39) Acenaphthene-d10	14.563	164	85390	20.000	ng	-0.03
64) Phenanthrene-d10	17.312	188	188356	20.000	ng	-0.02
76) Chrysene-d12	21.566	240	187817	20.000	ng	-0.03
86) Perylene-d12	24.698	264	185324	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	25420	15.698	ng	-0.02
7) Phenol-d6	7.107	99	34075	14.225	ng	-0.03
23) Nitrobenzene-d5	9.087	82	25307	9.948	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	23395	13.707	ng	-0.02
45) 2-Fluorobiphenyl	13.182	172	66626	11.538	ng	-0.03
79) Terphenyl-d14	19.927	244	118707	10.512	ng	-0.03
Target Compounds						Qvalue
71) Phenanthrene	17.353	178	55046	6.391	ng	97
75) Fluoranthene	19.363	202	171926	14.571	ng	99
78) Pyrene	19.727	202	160629	13.452	ng	100
81) Benzo(a)anthracene	21.548	228	84694	6.891	ng	# 92
83) Chrysene	21.613	228	82453	7.161	ng	# 92
87) Indeno(1,2,3-cd)pyrene	28.235	276	41443m	3.374	ng	
88) Benzo(b)fluoranthene	23.717	252	118163	11.410	ng	96
89) Benzo(k)fluoranthene	23.764	252	45022m	4.519	ng	
90) Benzo(a)pyrene	24.539	252	77962m	8.641	ng	
92) Benzo(g,h,i)perylene	29.322	276	37842m	3.744	ng	

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

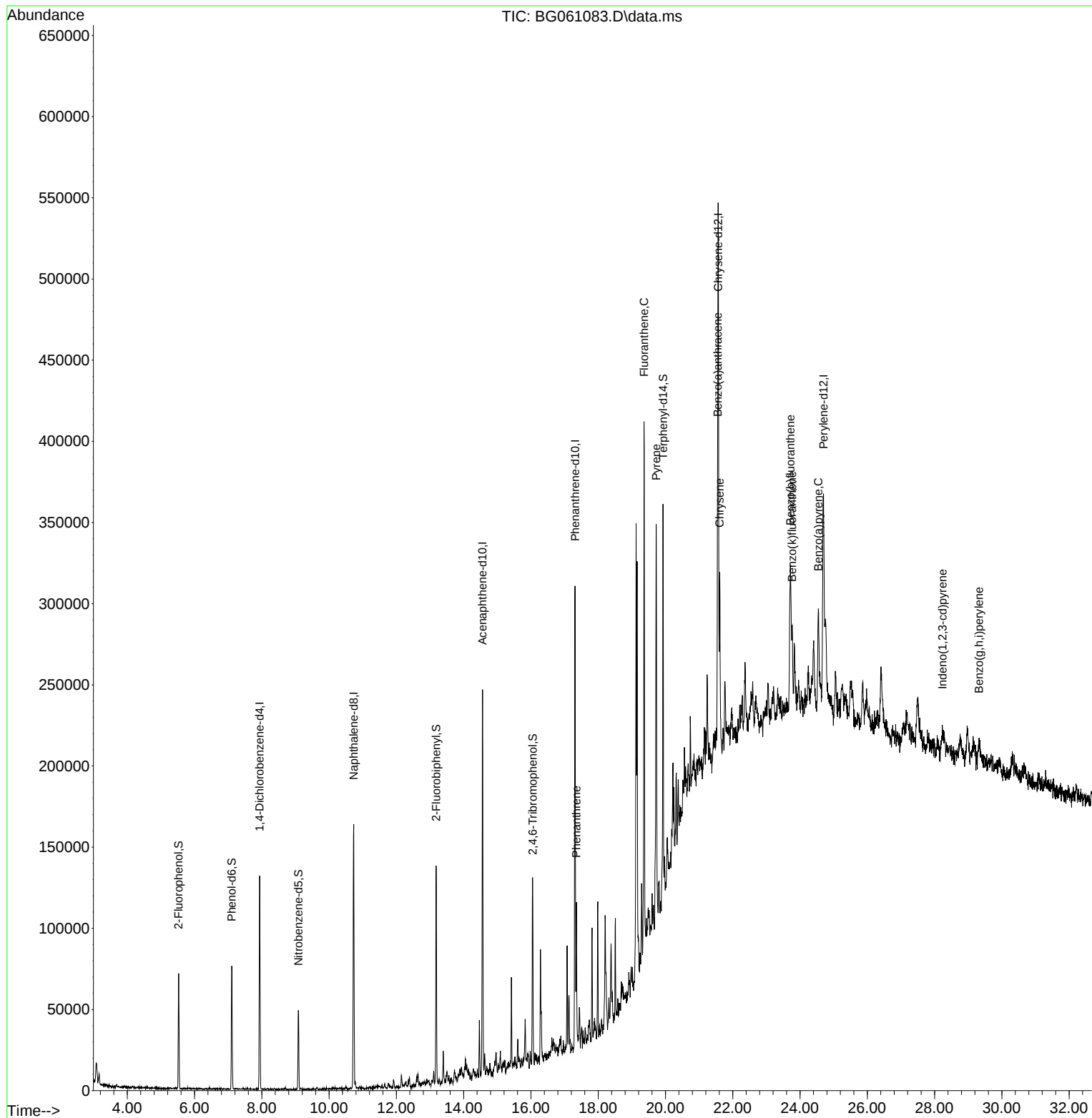
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061083.D
Acq On : 1 May 2024 19:32
Operator : MA/JU
Sample : P2326-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

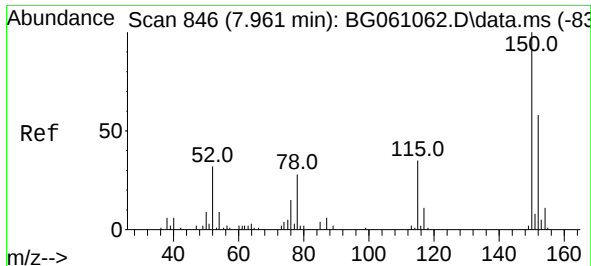
Instrument :
BNA_G
ClientSampleId :
OK-02-043024

Quant Time: May 02 05:36:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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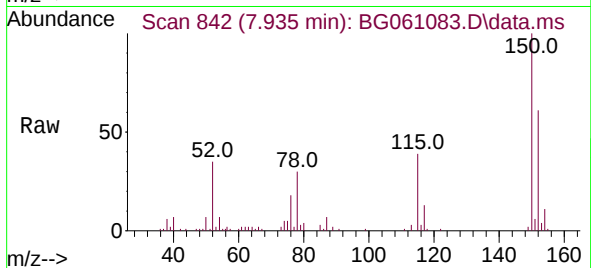
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 846
Delta R.T. -0.026 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

Instrument :

BNA_G

ClientSampleId :

OK-02-043024

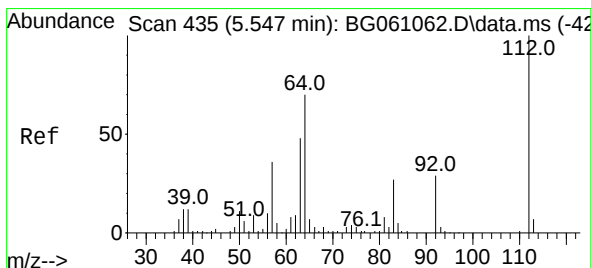
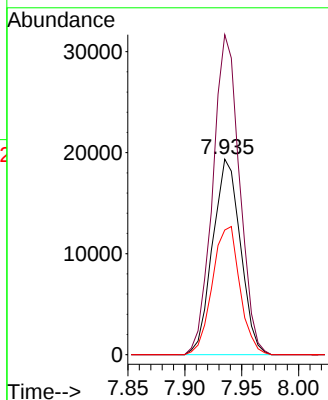
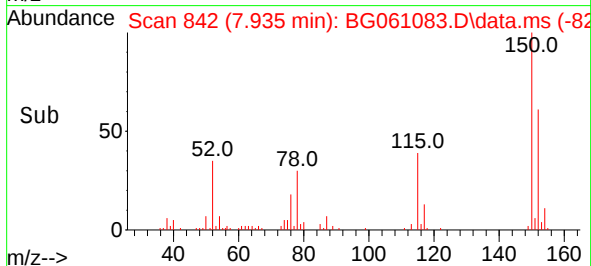


Tgt Ion:152 Resp: 3293
Ion Ratio Lower Upper
152 100
150 163.6 138.3 207.5
115 63.8 48.0 72.0

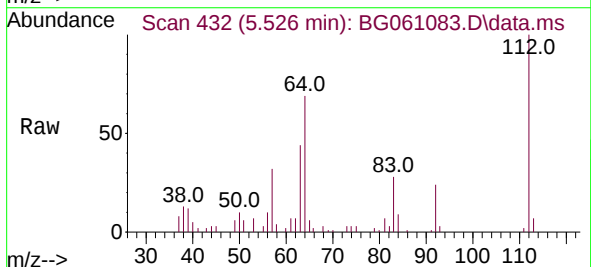
Manual Integrations

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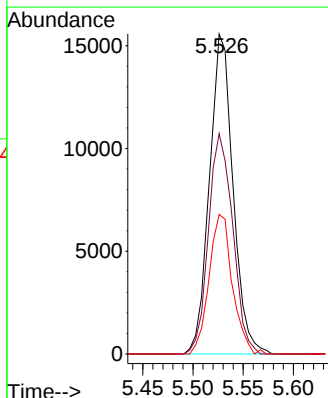
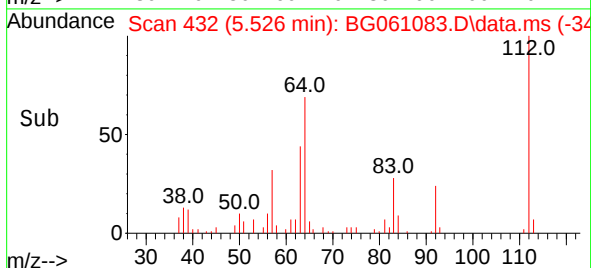
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024

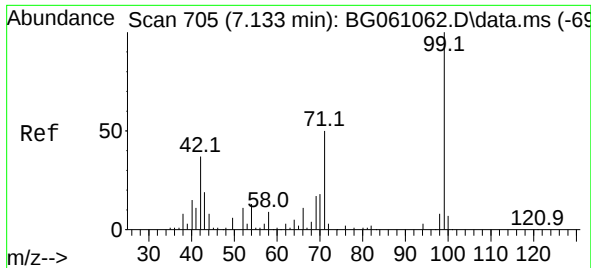


#5
2-Fluorophenol
Concen: 15.698 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.020 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32



Tgt Ion:112 Resp: 25420
Ion Ratio Lower Upper
112 100
64 68.8 55.7 83.5
63 43.6 38.1 57.1





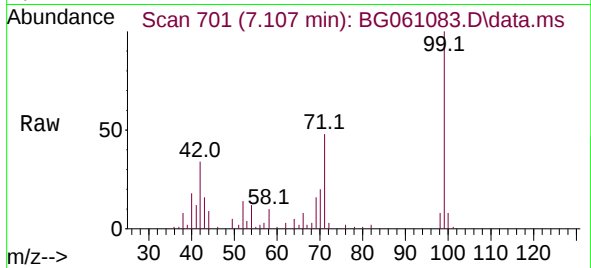
#7
Phenol-d6
Concen: 14.225 ng
RT: 7.107 min Scan# 705
Delta R.T. -0.026 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

Instrument :

BNA_G

ClientSampleId :

OK-02-043024

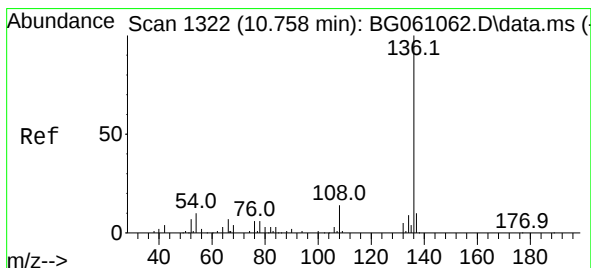
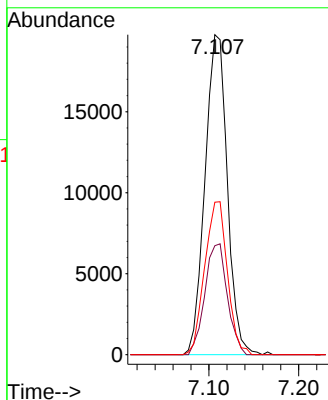
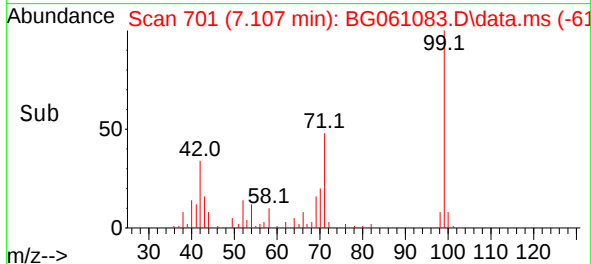


Tgt Ion: 99 Resp: 3407
Ion Ratio Lower Upper
99 100
42 34.0 29.2 43.8
71 47.6 39.7 59.5

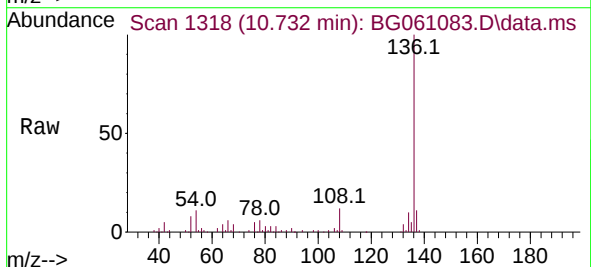
Manual Integrations

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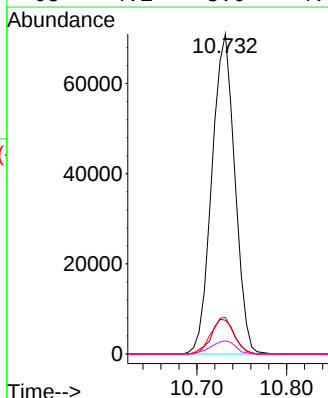
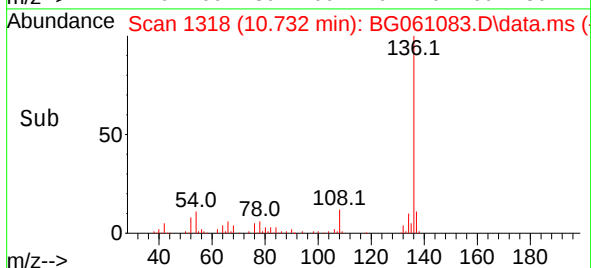
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024

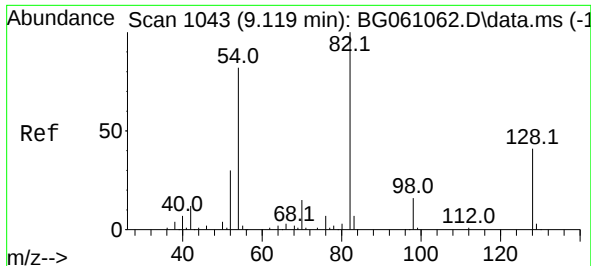


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 1318
Delta R.T. -0.026 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32



Tgt Ion:136 Resp: 126105
Ion Ratio Lower Upper
136 100
137 10.5 7.8 11.6
54 11.5 8.1 12.1
68 4.1 3.0 4.4





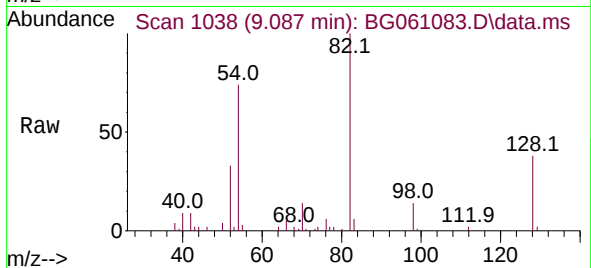
#23
Nitrobenzene-d5
Concen: 9.948 ng
RT: 9.087 min Scan# 1043
Delta R.T. -0.032 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

Instrument :

BNA_G

ClientSampleId :

OK-02-043024

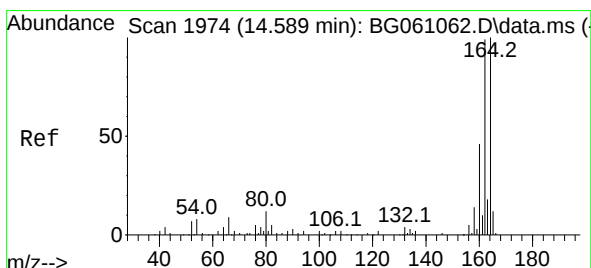
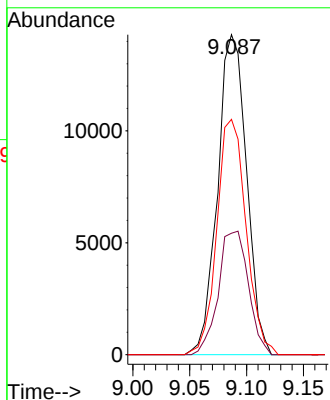
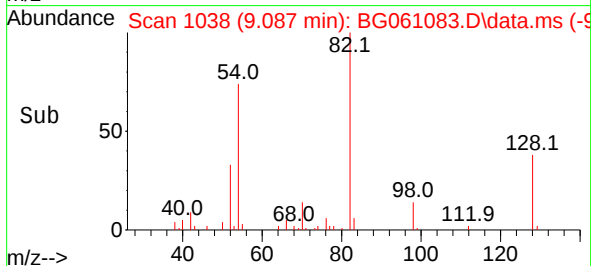


Tgt Ion: 82 Resp: 2530
Ion Ratio Lower Upper
82 100
128 38.0 32.7 49.1
54 73.5 65.6 98.4

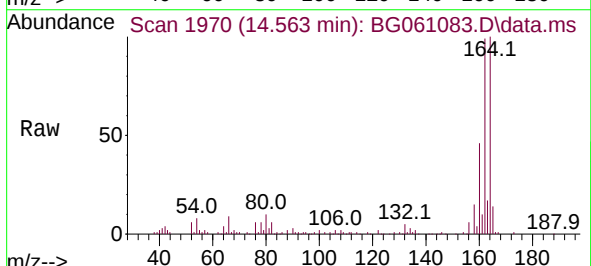
Manual Integrations

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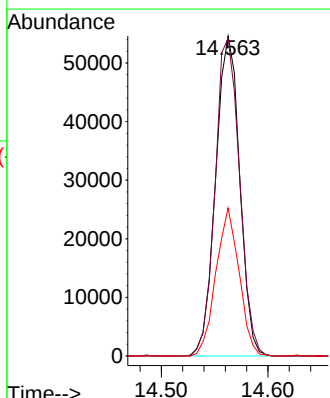
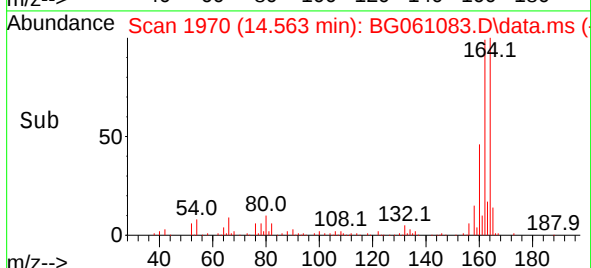
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024

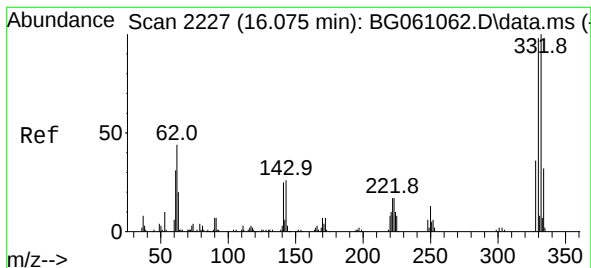


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1970
Delta R.T. -0.026 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32



Tgt Ion:164 Resp: 85390
Ion Ratio Lower Upper
164 100
162 99.2 79.4 119.2
160 46.2 37.0 55.6





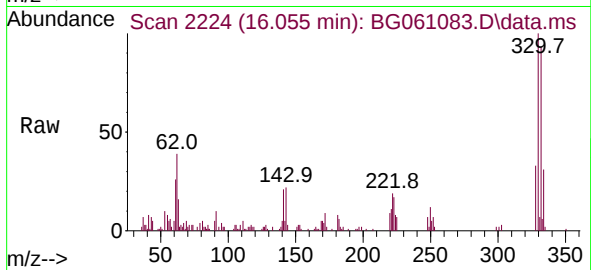
#42
2,4,6-Tribromophenol
Concen: 13.707 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

Instrument :

BNA_G

ClientSampleId :

OK-02-043024

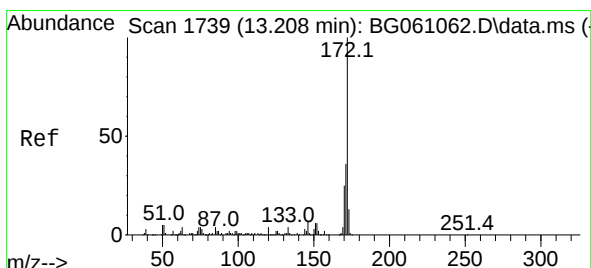
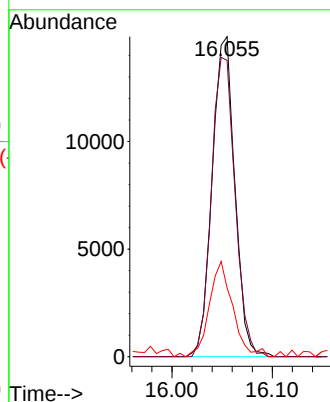
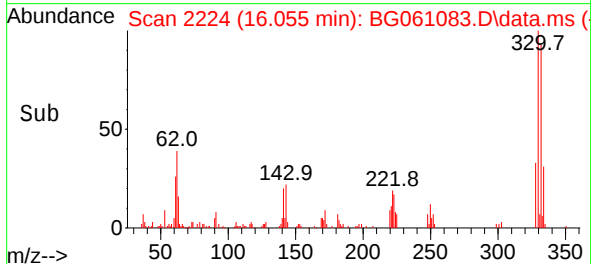


Tgt Ion:330 Resp: 2339
Ion Ratio Lower Upper
330 100
332 97.2 78.6 117.8
141 30.5 20.5 30.7

Manual Integrations

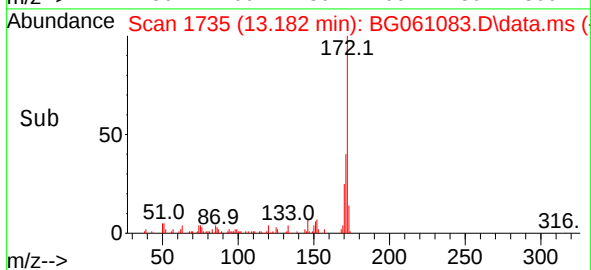
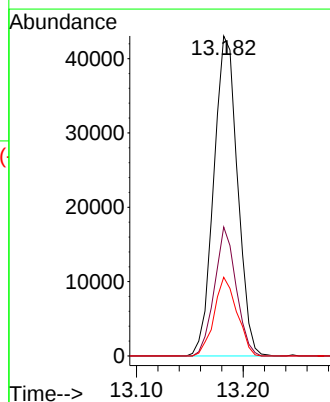
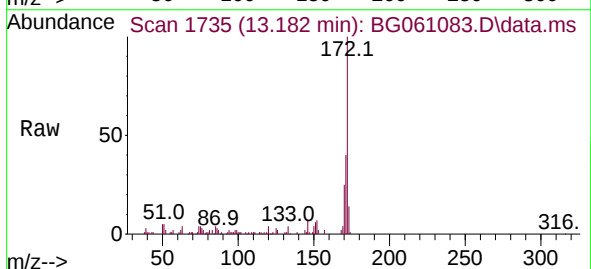
APPROVED

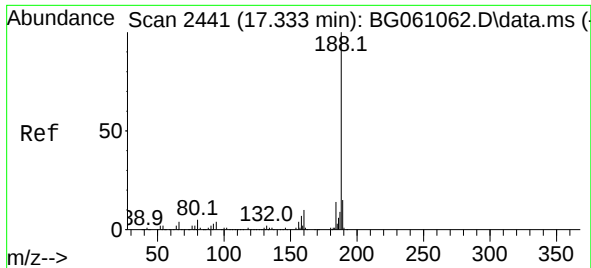
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#45
2-Fluorobiphenyl
Concen: 11.538 ng
RT: 13.182 min Scan# 1735
Delta R.T. -0.026 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

Tgt Ion:172 Resp: 66626
Ion Ratio Lower Upper
172 100
171 40.3 29.0 43.6
170 24.6 20.2 30.4





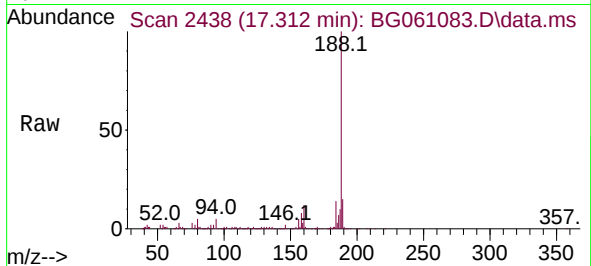
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.312 min Scan# 2438
Delta R.T. -0.020 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

Instrument :

BNA_G

ClientSampleId :

OK-02-043024

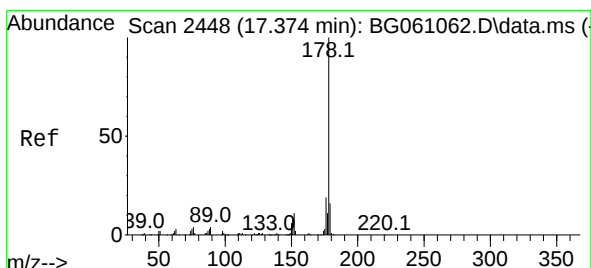
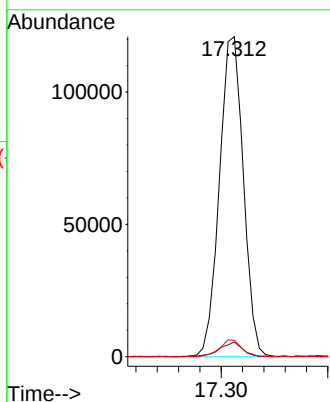
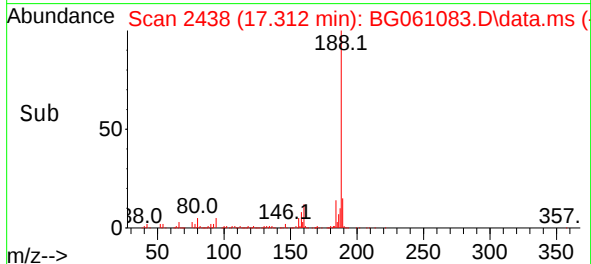


Tgt Ion:188 Resp: 188350
Ion Ratio Lower Upper
188 100
94 4.6 3.6 5.4
80 5.1 4.2 6.2

Manual Integrations

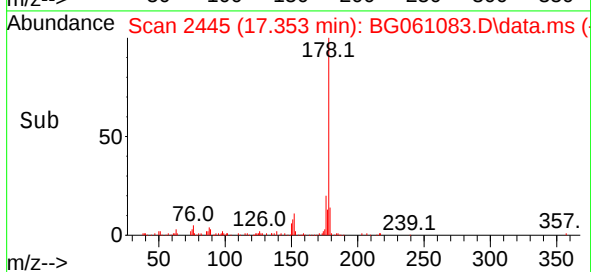
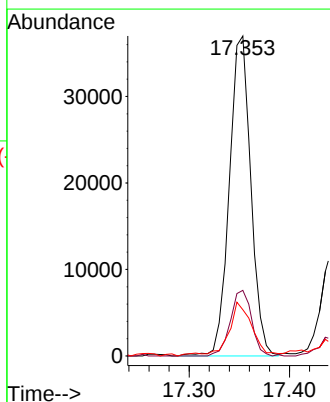
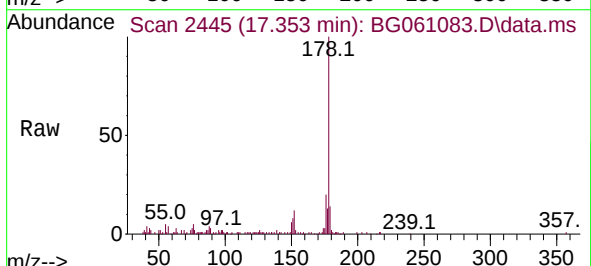
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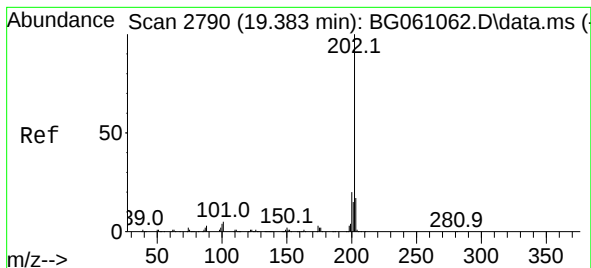
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#71
Phenanthrene
Concen: 6.391 ng
RT: 17.353 min Scan# 2445
Delta R.T. -0.020 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

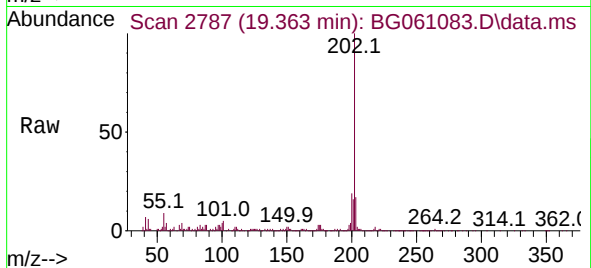
Tgt Ion:178 Resp: 55046
Ion Ratio Lower Upper
178 100
176 20.5 15.5 23.3
179 14.4 12.6 19.0





#75
Fluoranthene
Concen: 14.571 ng
RT: 19.363 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

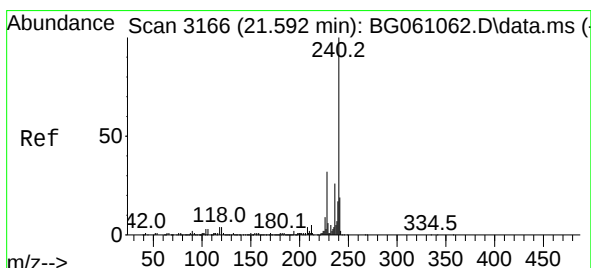
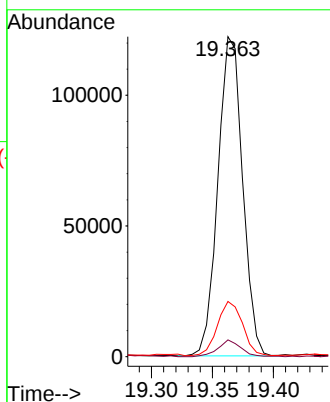
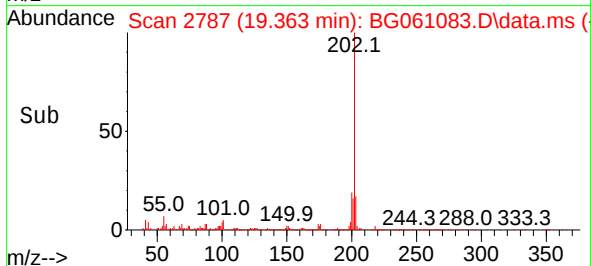
Instrument :
BNA_G
ClientSampleId :
OK-02-043024



Tgt Ion:202 Resp: 171920
Ion Ratio Lower Upper
202 100
101 5.3 0.0 24.7
203 17.3 0.0 37.1

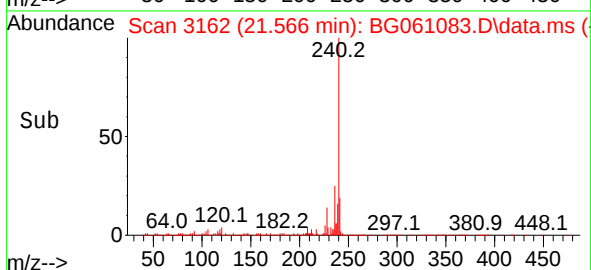
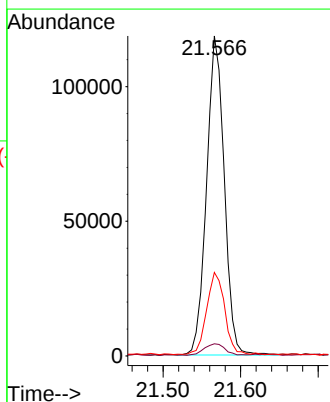
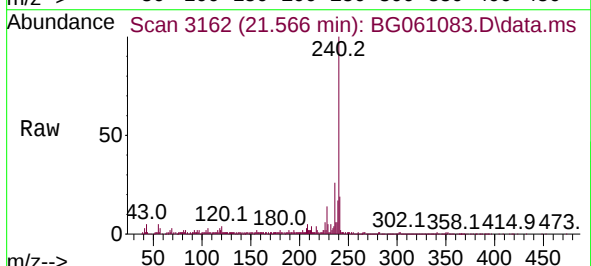
Manual Integrations
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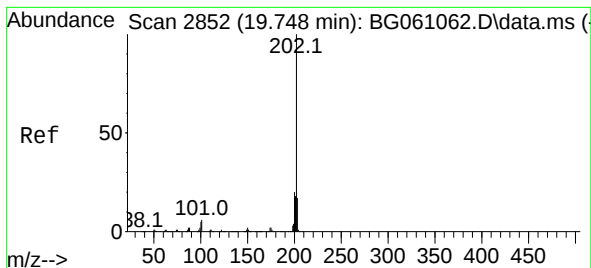
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3162
Delta R.T. -0.026 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

Tgt Ion:240 Resp: 187817
Ion Ratio Lower Upper
240 100
120 3.8 3.2 4.8
236 26.1 21.0 31.6





#78

Pyrene

Concen: 13.452 ng

RT: 19.727 min Scan# 2849

Delta R.T. -0.021 min

Lab File: BG061083.D

Acq: 1 May 2024 19:32

Instrument :

BNA_G

ClientSampleId :

OK-02-043024

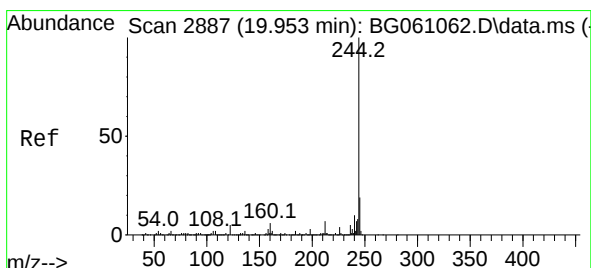
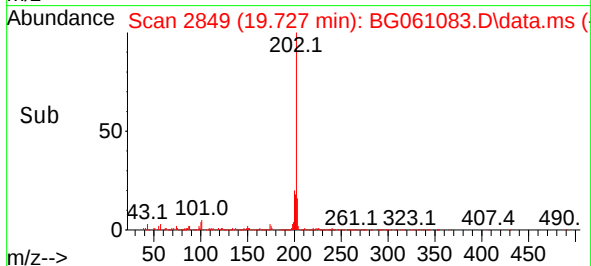
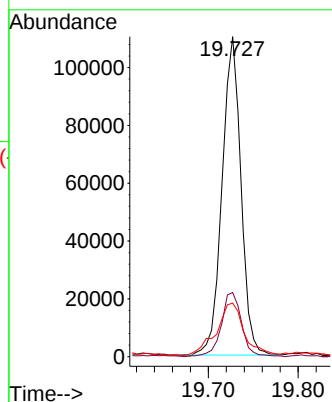
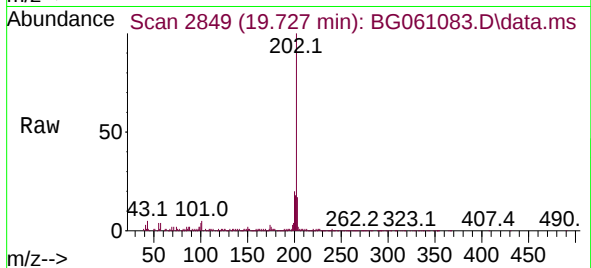
Tgt Ion:202 Resp: 160629

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.2	24.4
203	16.8	13.3	19.9

Manual Integrations

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#79

Terphenyl-d14

Concen: 10.512 ng

RT: 19.927 min Scan# 2883

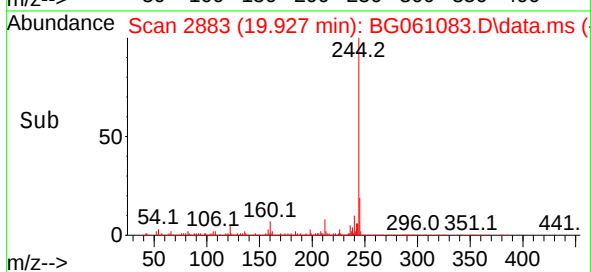
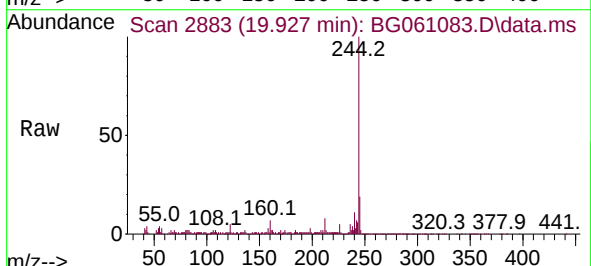
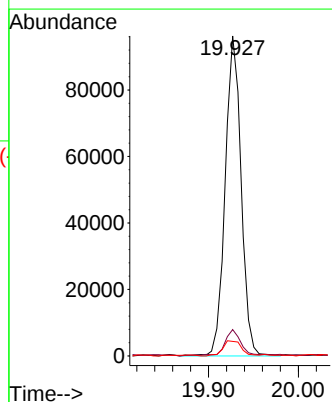
Delta R.T. -0.026 min

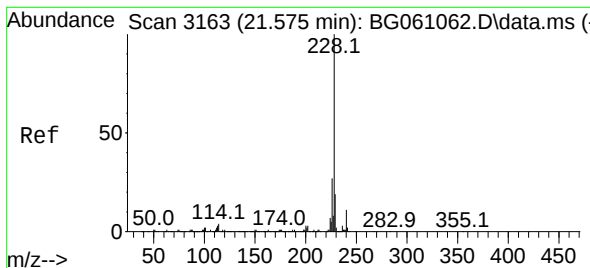
Lab File: BG061083.D

Acq: 1 May 2024 19:32

Tgt Ion:244 Resp: 118707

Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.7	8.5
122	4.6	4.2	6.2





#81

Benzo(a)anthracene

Concen: 6.891 ng

RT: 21.548 min Scan# 3159

Delta R.T. -0.026 min

Lab File: BG061083.D

Acq: 1 May 2024 19:32

Instrument :

BNA_G

ClientSampleId :

OK-02-043024

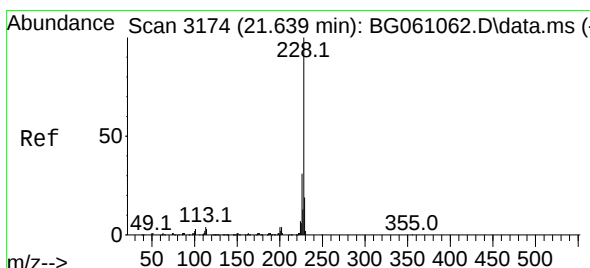
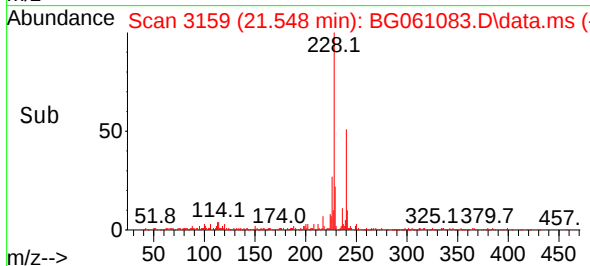
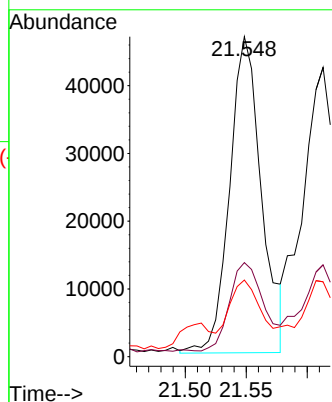
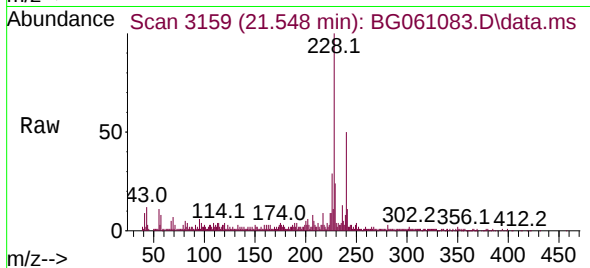
Tgt Ion:228 Resp: 84694

Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.6	32.4
229	24.0	15.0	22.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#83

Chrysene

Concen: 7.161 ng

RT: 21.613 min Scan# 3170

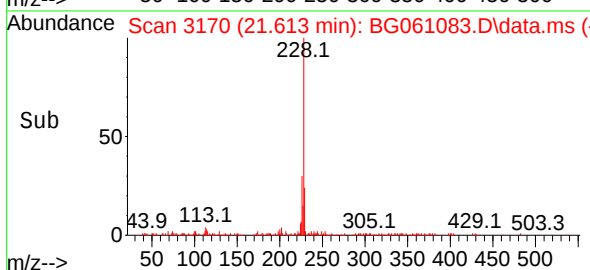
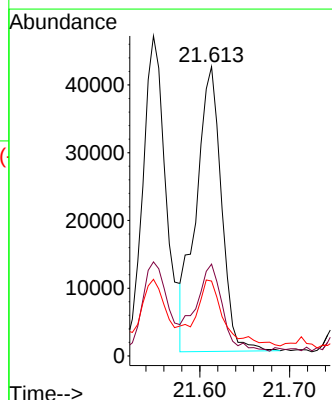
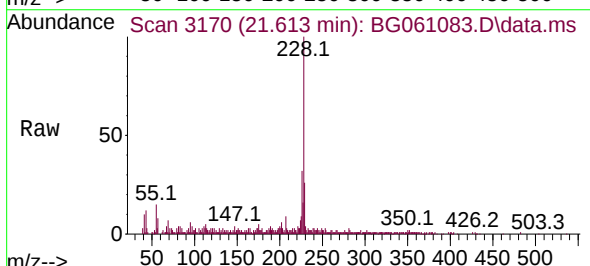
Delta R.T. -0.026 min

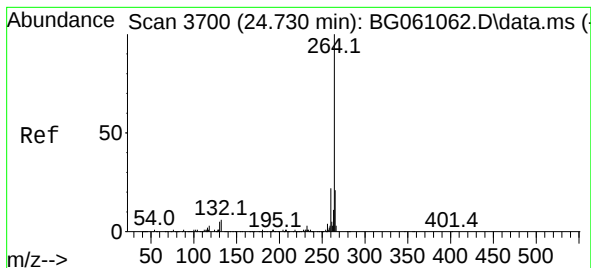
Lab File: BG061083.D

Acq: 1 May 2024 19:32

Tgt Ion:228 Resp: 82453

Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.4	36.6
229	25.9	14.8	22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.698 min Scan# 3

Delta R.T. -0.032 min

Lab File: BG061083.D

Acq: 1 May 2024 19:32

Instrument :

BNA_G

ClientSampleId :

OK-02-043024

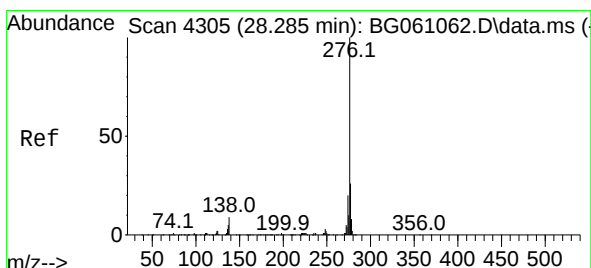
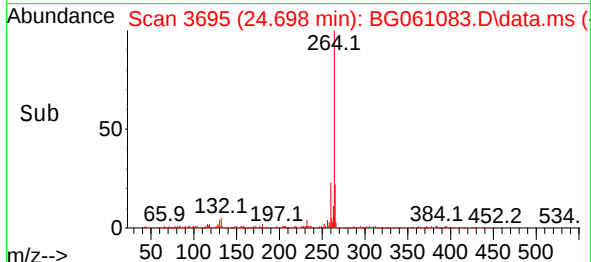
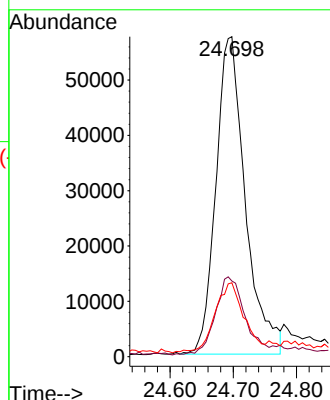
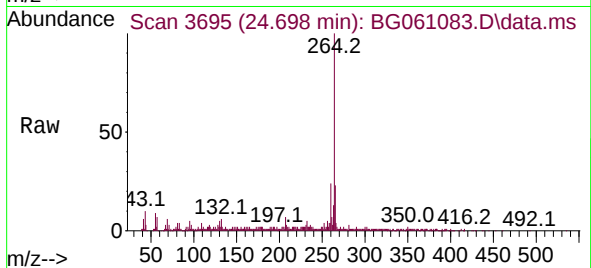
Tgt Ion:264 Resp: 185324

Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.7	26.5
265	23.1	16.4	24.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.374 ng m

RT: 28.235 min Scan# 4297

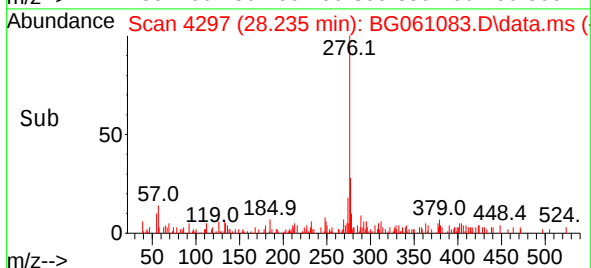
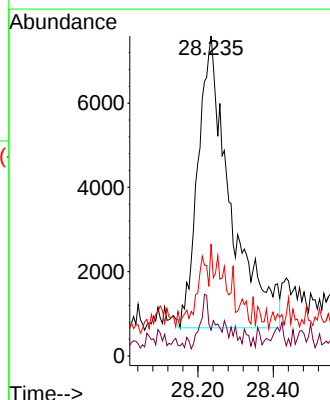
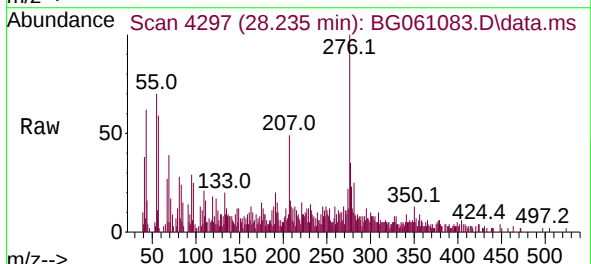
Delta R.T. -0.050 min

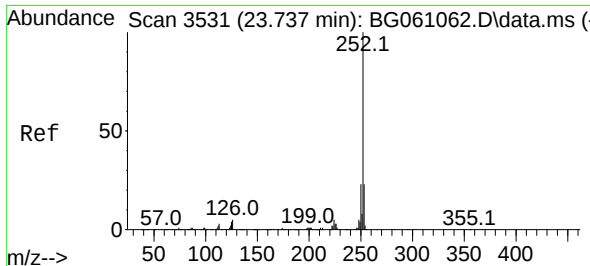
Lab File: BG061083.D

Acq: 1 May 2024 19:32

Tgt Ion:276 Resp: 41443

Ion	Ratio	Lower	Upper
276	100		
138	0.0	5.1	7.7#
277	0.0	20.6	30.8#





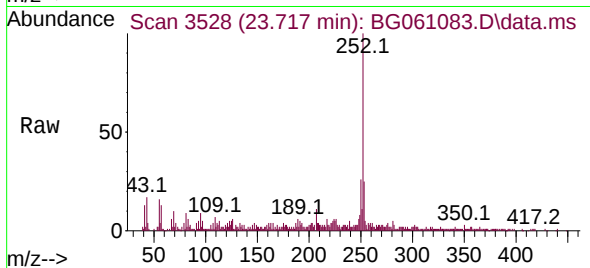
#88
Benzo(b)fluoranthene
Concen: 11.410 ng
RT: 23.717 min Scan# 3528
Delta R.T. -0.020 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

Instrument :

BNA_G

ClientSampleId :

OK-02-043024

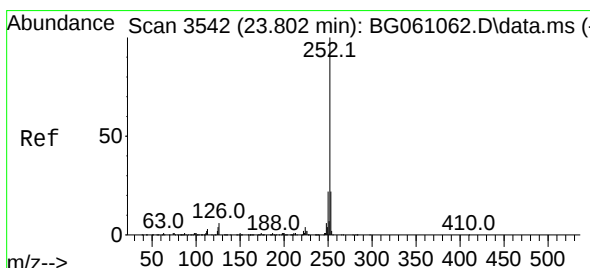
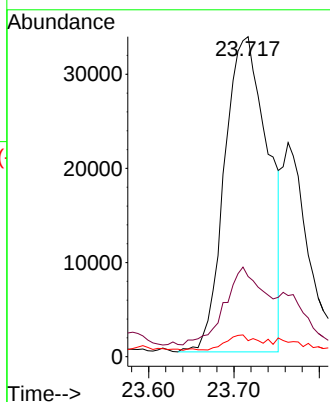
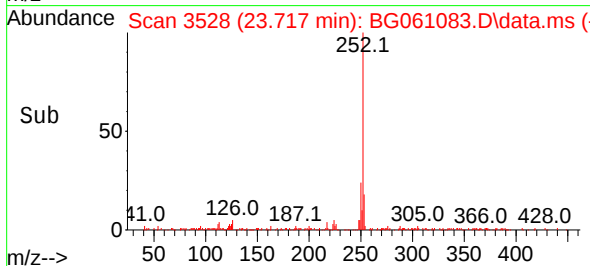


Tgt Ion:252 Resp: 118163
Ion Ratio Lower Upper
252 100
253 25.0 18.2 27.2
125 5.0 3.4 5.0

Manual Integrations

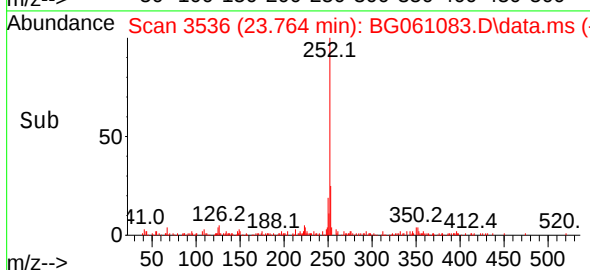
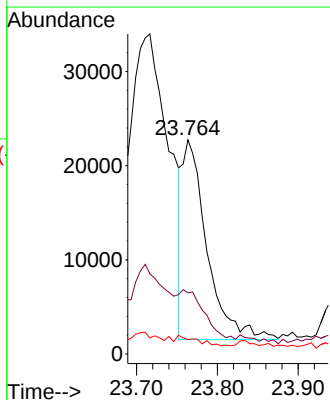
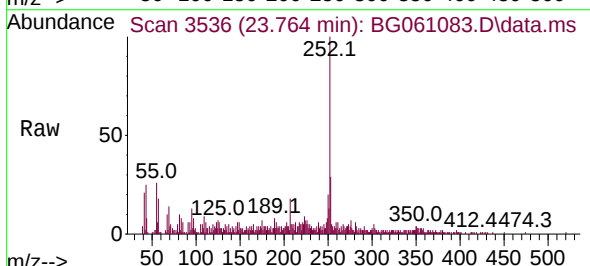
APPROVED

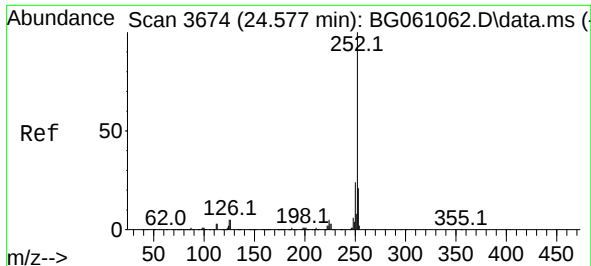
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#89
Benzo(k)fluoranthene
Concen: 4.519 ng m
RT: 23.764 min Scan# 3536
Delta R.T. -0.038 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

Tgt Ion:252 Resp: 45022
Ion Ratio Lower Upper
252 100
253 28.5 17.3 25.9#
125 6.8 3.2 4.8#





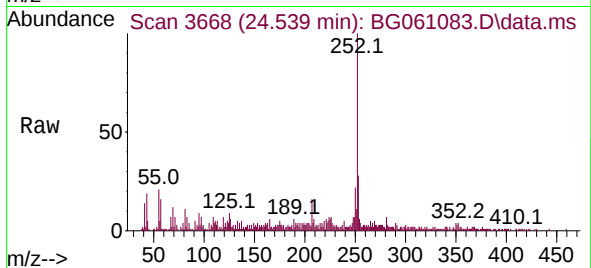
#90
Benzo(a)pyrene
Concen: 8.641 ng m
RT: 24.539 min Scan# 30
Delta R.T. -0.038 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

Instrument :

BNA_G

ClientSampleId :

OK-02-043024

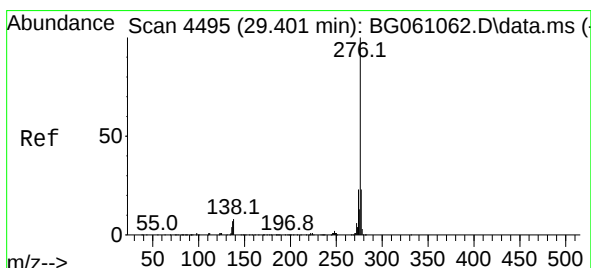
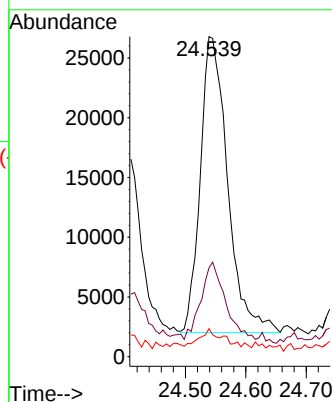
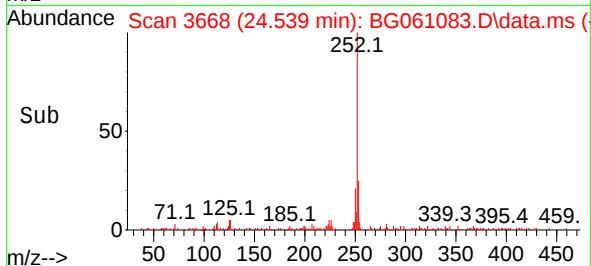


Tgt Ion:252 Resp: 77962
Ion Ratio Lower Upper
252 100
253 27.8 16.9 25.3#
125 8.7 3.8 5.8#

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#92
Benzo(g,h,i)perylene
Concen: 3.744 ng m
RT: 29.322 min Scan# 4482
Delta R.T. -0.079 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

Tgt Ion:276 Resp: 37842
Ion Ratio Lower Upper
276 100
277 33.1 18.2 27.4#
138 13.0 6.2 9.2#

