

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
 Data File : BG061123.D
 Acq On : 6 May 2024 16:50
 Operator : MA/JU
 Sample : P2378-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-05032024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/07/2024
 Supervised By :mohammad ahmed 05/08/2024

Quant Time: May 06 17:30:08 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	7.937	152	29355	20.000	ng	-0.02
21) Naphthalene-d8	10.734	136	111022	20.000	ng	-0.02
39) Acenaphthene-d10	14.565	164	80987	20.000	ng	-0.02
64) Phenanthrene-d10	17.314	188	183407	20.000	ng	-0.02
76) Chrysene-d12	21.574	240	170588	20.000	ng	-0.02
86) Perylene-d12	24.700	264	139879m	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	25646	17.768	ng	-0.02
7) Phenol-d6	7.109	99	35305	16.534	ng	-0.02
23) Nitrobenzene-d5	9.095	82	24613	10.990	ng	-0.02
42) 2,4,6-Tribromophenol	16.057	330	25541	15.778	ng	-0.02
45) 2-Fluorobiphenyl	13.184	172	66801	12.197	ng	-0.02
79) Terphenyl-d14	19.929	244	120369	11.735	ng	-0.02
Target Compounds					Qvalue	
71) Phenanthrene	17.356	178	115086	13.723	ng	100
72) Anthracene	17.444	178	19980	2.388	ng	97
75) Fluoranthene	19.371	202	194325	16.914	ng	99
78) Pyrene	19.729	202	160686	14.816	ng	98
81) Benzo(a)anthracene	21.551	228	76365	6.841	ng	# 94
83) Chrysene	21.615	228	81910	7.832	ng	# 95
88) Benzo(b)fluoranthene	23.725	252	76860	9.833	ng	# 96
89) Benzo(k)fluoranthene	23.772	252	30925m	4.113	ng	
90) Benzo(a)pyrene	24.553	252	38531	5.658	ng	# 87

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

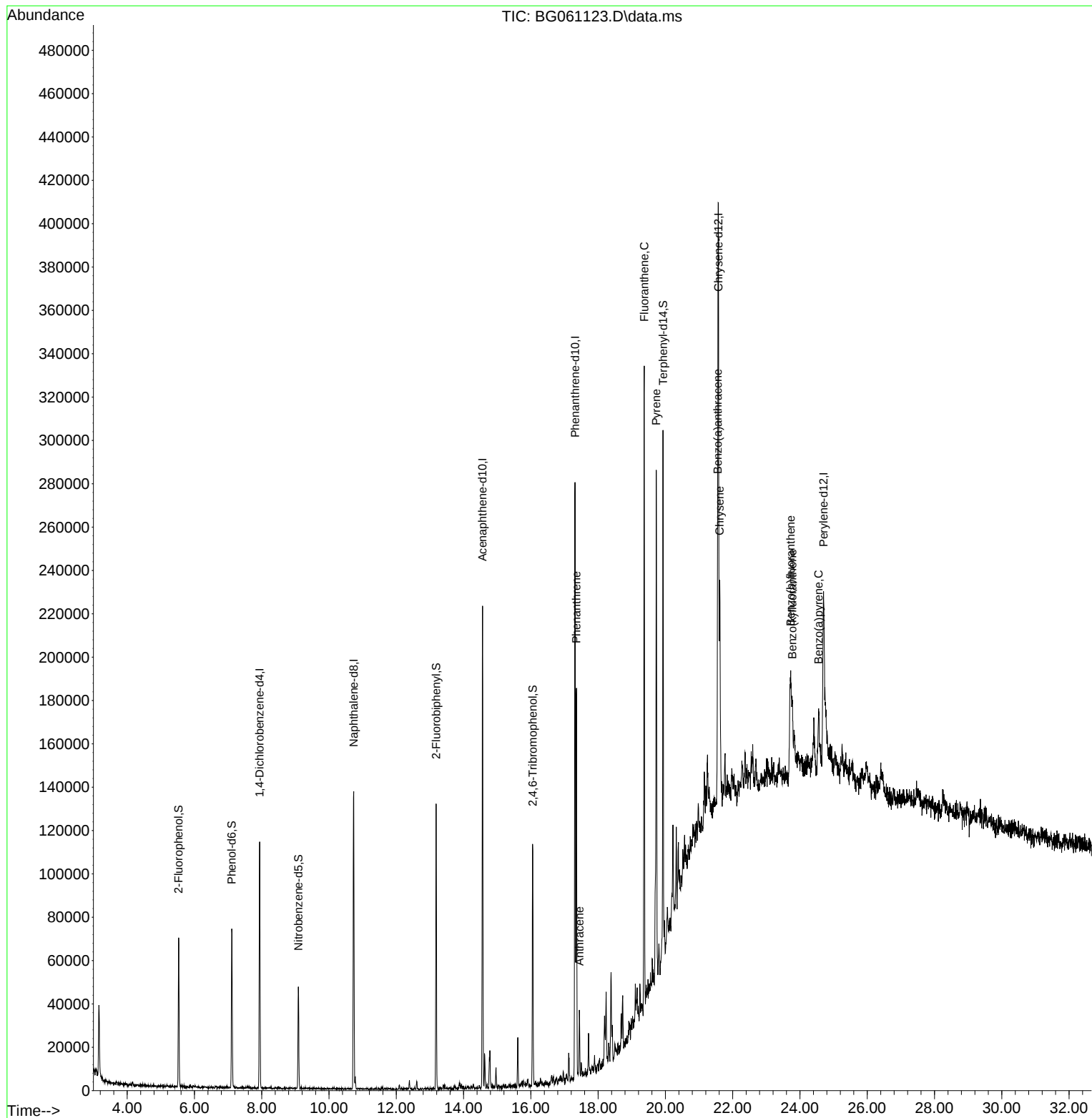
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
Data File : BG061123.D
Acq On : 6 May 2024 16:50
Operator : MA/JU
Sample : P2378-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

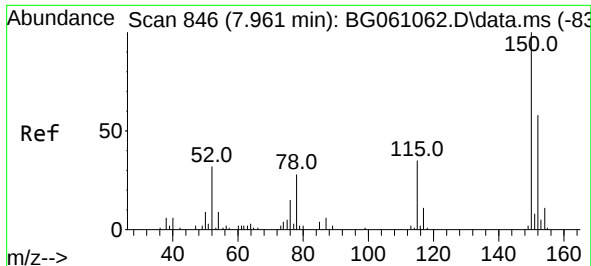
Instrument :
BNA_G
ClientSampleId :
OR-02-05032024

Quant Time: May 06 17:30:08 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

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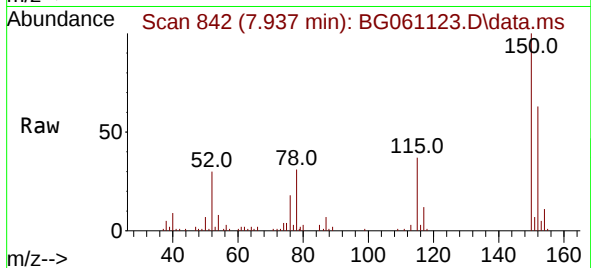
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 846
Delta R.T. -0.024 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

Instrument :

BNA_G

ClientSampleId :

OR-02-05032024

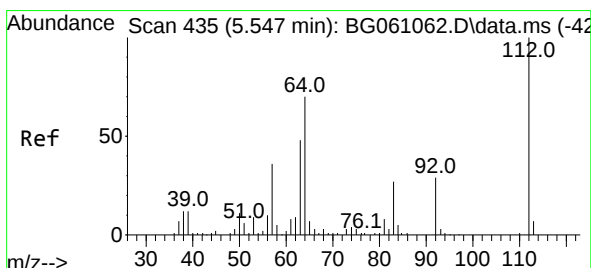
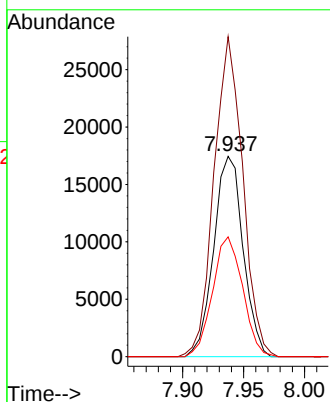
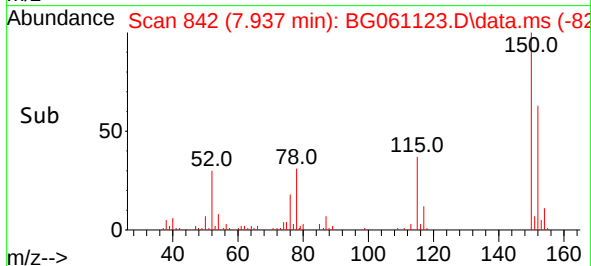


Tgt Ion:152 Resp: 2935
Ion Ratio Lower Upper
152 100
150 159.7 138.3 207.5
115 59.8 48.0 72.0

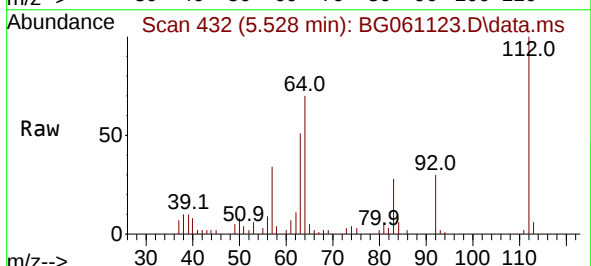
Manual Integrations

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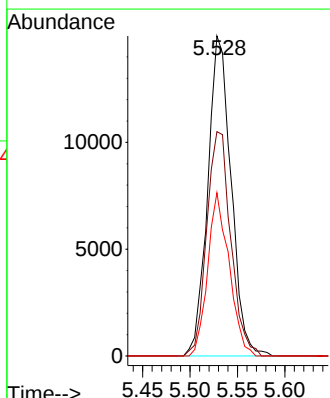
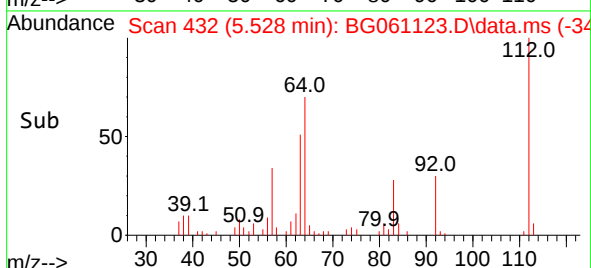
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024

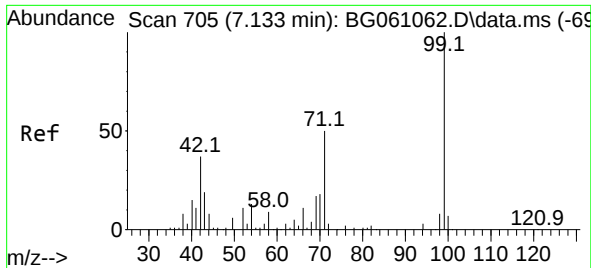


#5
2-Fluorophenol
Concen: 17.768 ng
RT: 5.528 min Scan# 432
Delta R.T. -0.018 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50



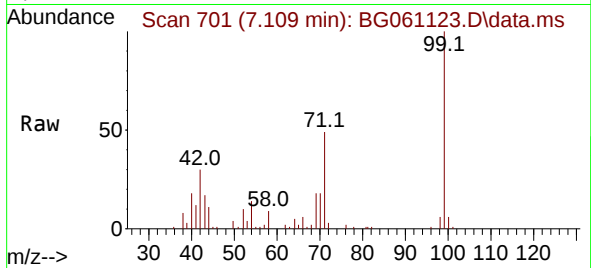
Tgt Ion:112 Resp: 25646
Ion Ratio Lower Upper
112 100
64 70.1 55.7 83.5
63 51.0 38.1 57.1





#7
Phenol-d6
Concen: 16.534 ng
RT: 7.109 min Scan# 705
Delta R.T. -0.024 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

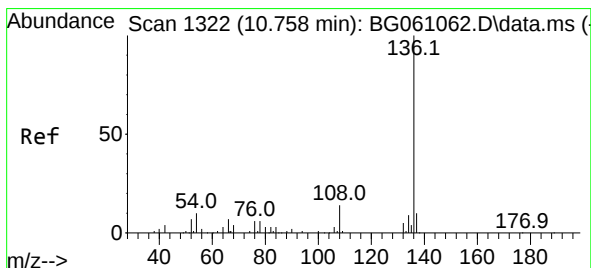
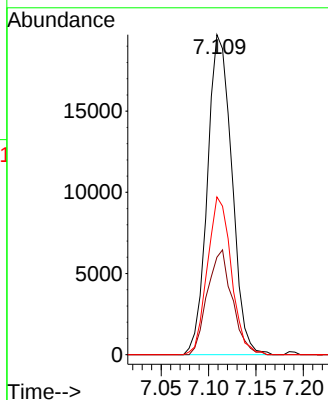
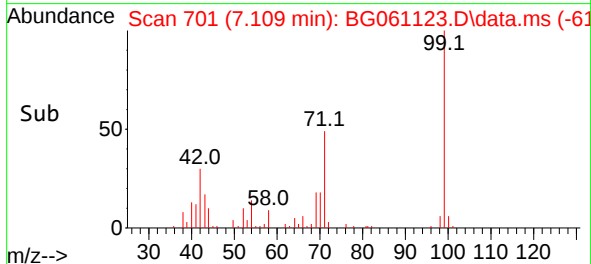
Instrument :
BNA_G
ClientSampleId :
OR-02-05032024



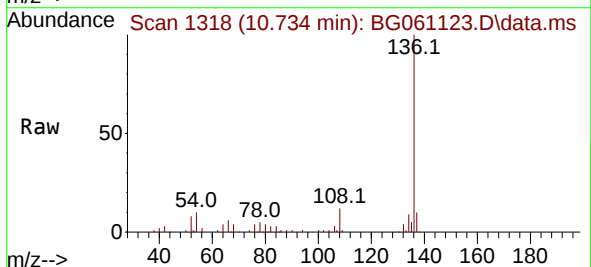
Tgt Ion: 99 Resp: 3530
Ion Ratio Lower Upper
99 100
42 30.5 29.2 43.8
71 49.3 39.7 59.5

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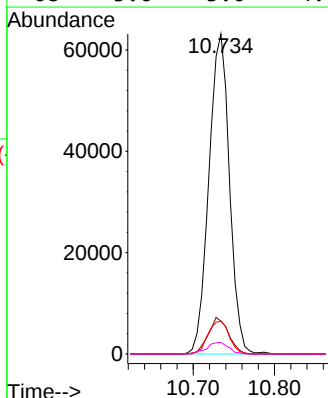
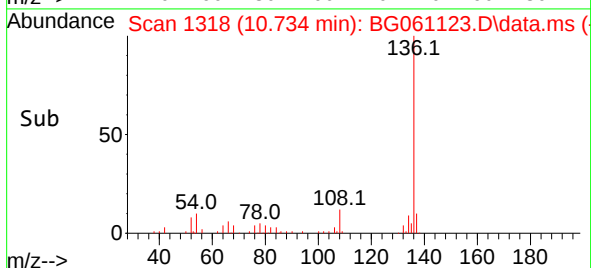
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024

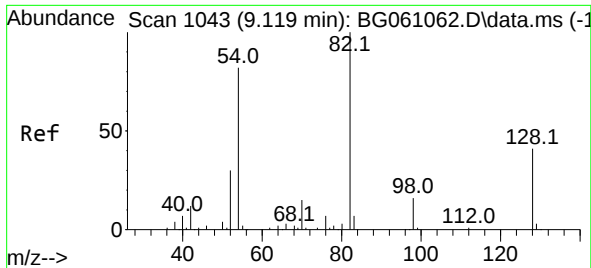


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.734 min Scan# 1318
Delta R.T. -0.024 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50



Tgt Ion:136 Resp: 111022
Ion Ratio Lower Upper
136 100
137 10.3 7.8 11.6
54 10.3 8.1 12.1
68 3.6 3.0 4.4





#23

Nitrobenzene-d5

Concen: 10.990 ng

RT: 9.095 min Scan# 1043

Delta R.T. -0.024 min

Lab File: BG061123.D

Acq: 6 May 2024 16:50

Instrument :

BNA_G

ClientSampleId :

OR-02-05032024

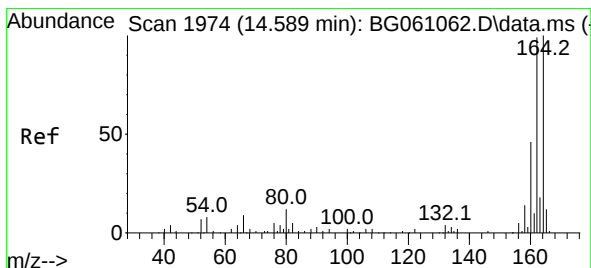
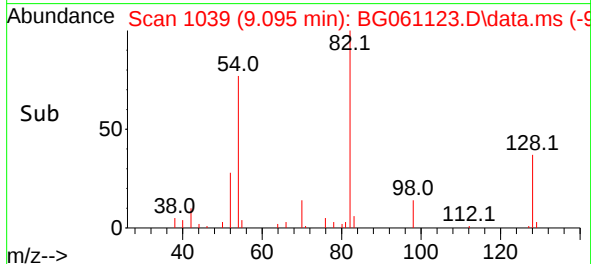
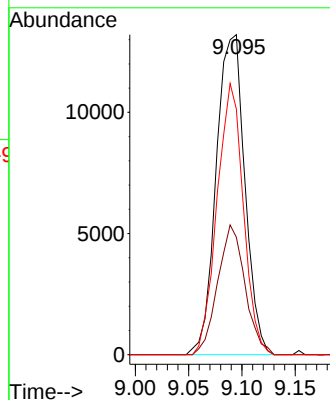
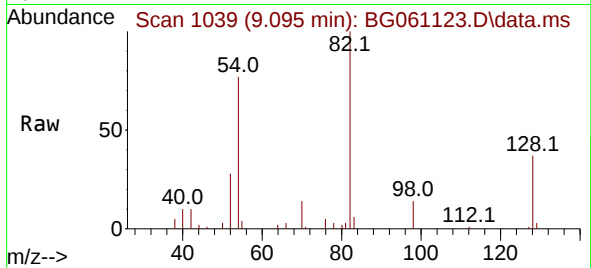
Tgt Ion: 82 Resp: 2461

Ion	Ratio	Lower	Upper
82	100		
128	36.7	32.7	49.1
54	76.8	65.6	98.4

Manual Integrations

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Supervised By :mohammad ahmed 05/08/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.565 min Scan# 1970

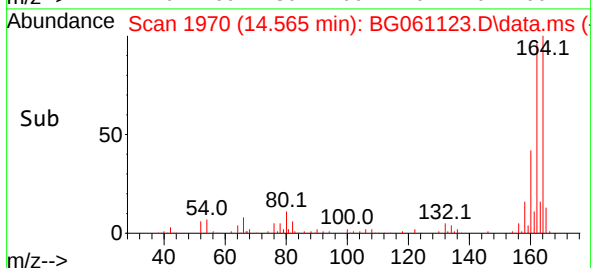
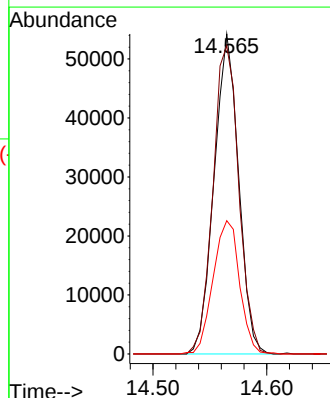
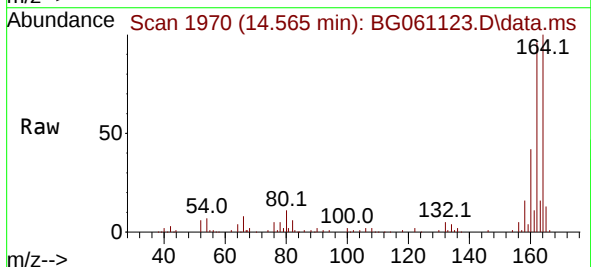
Delta R.T. -0.024 min

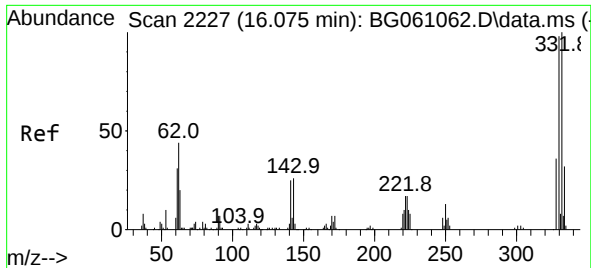
Lab File: BG061123.D

Acq: 6 May 2024 16:50

Tgt Ion:164 Resp: 80987

Ion	Ratio	Lower	Upper
164	100		
162	96.3	79.4	119.2
160	41.7	37.0	55.6





#42
2,4,6-Tribromophenol
Concen: 15.778 ng
RT: 16.057 min Scan# 21
Delta R.T. -0.018 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

Instrument :

BNA_G

ClientSampleId :

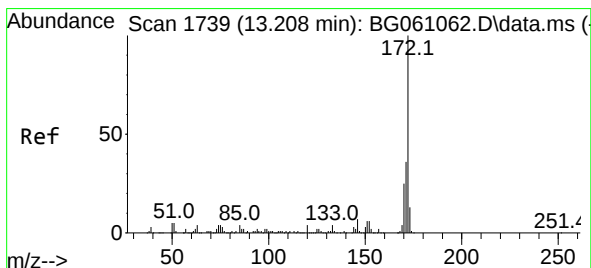
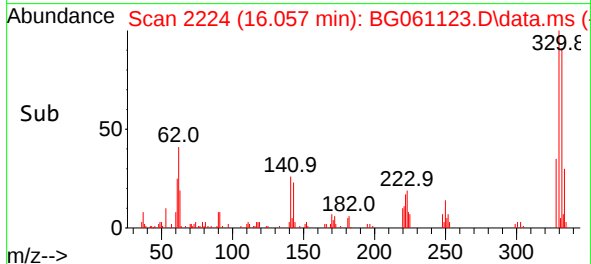
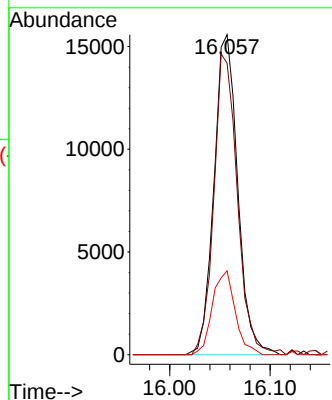
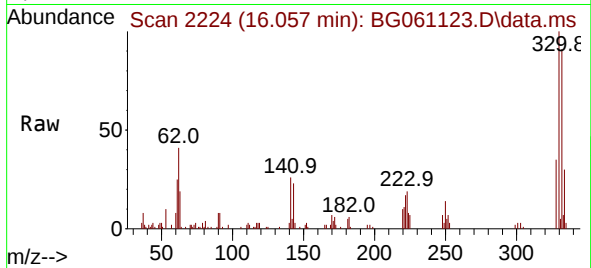
OR-02-05032024

Tgt Ion:330 Resp: 2554
Ion Ratio Lower Upper
330 100
332 93.2 78.6 117.8
141 25.3 20.5 30.7

Manual Integrations

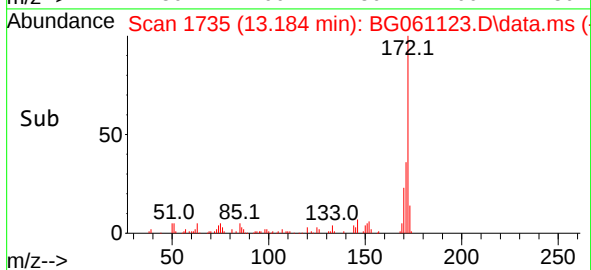
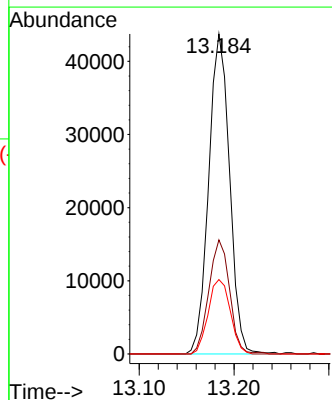
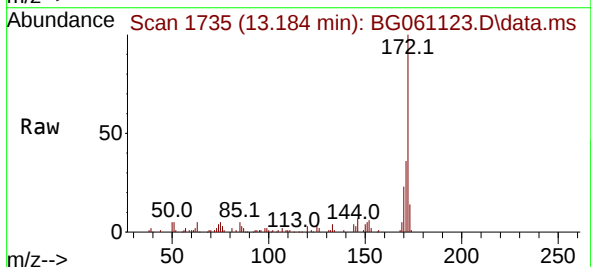
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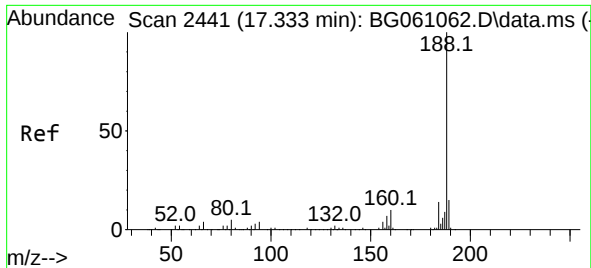
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#45
2-Fluorobiphenyl
Concen: 12.197 ng
RT: 13.184 min Scan# 1735
Delta R.T. -0.024 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

Tgt Ion:172 Resp: 66801
Ion Ratio Lower Upper
172 100
171 35.6 29.0 43.6
170 23.2 20.2 30.4





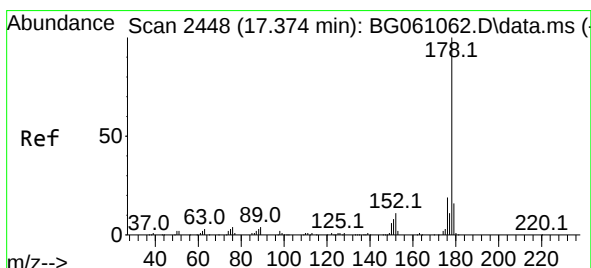
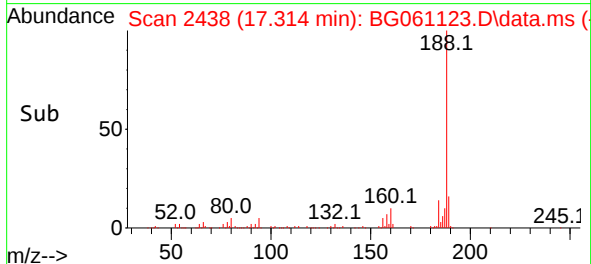
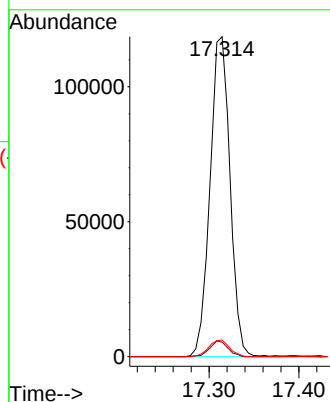
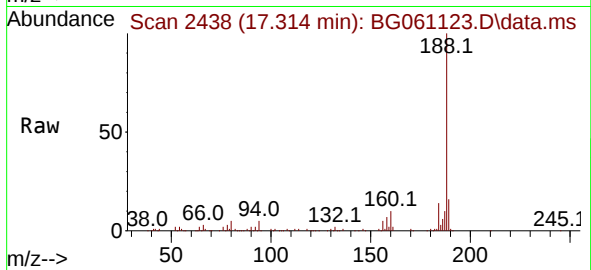
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.314 min Scan# 2438
Delta R.T. -0.018 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

Instrument :
BNA_G
ClientSampleId :
OR-02-05032024

Tgt Ion:188 Resp: 18340
Ion Ratio Lower Upper
188 100
94 4.6 3.6 5.4
80 5.2 4.2 6.2

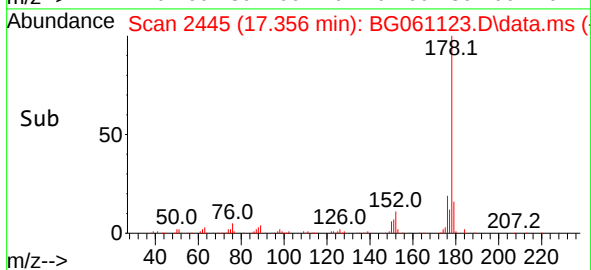
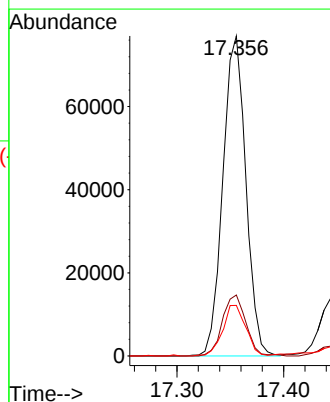
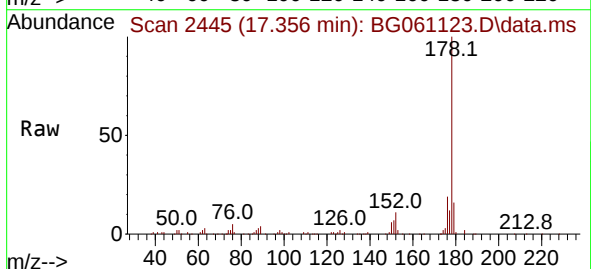
Manual Integrations
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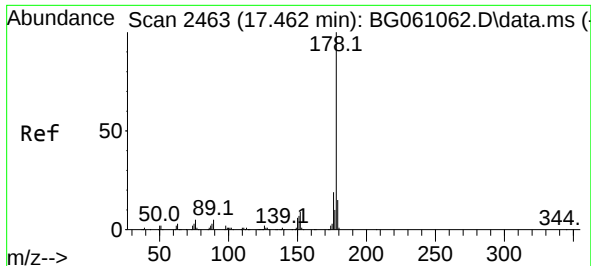
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#71
Phenanthrene
Concen: 13.723 ng
RT: 17.356 min Scan# 2445
Delta R.T. -0.018 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

Tgt Ion:178 Resp: 115086
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.8 12.6 19.0





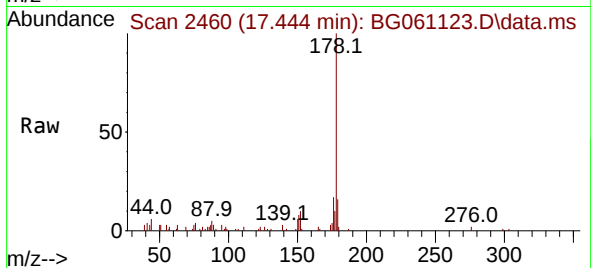
#72
 Anthracene
 Concen: 2.388 ng
 RT: 17.444 min Scan# 2460
 Delta R.T. -0.018 min
 Lab File: BG061123.D
 Acq: 6 May 2024 16:50

Instrument :

BNA_G

ClientSampleId :

OR-02-05032024

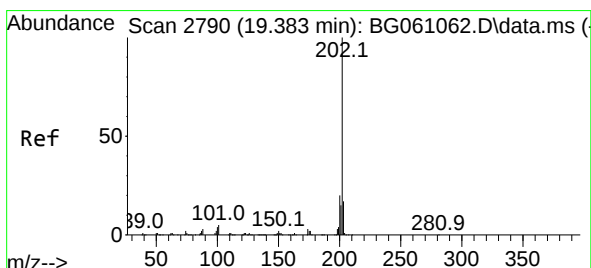
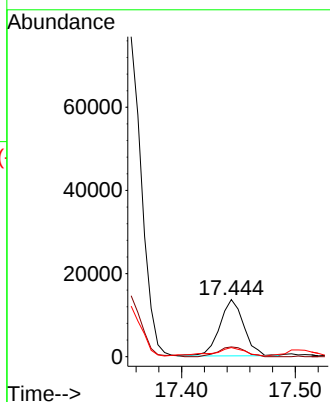
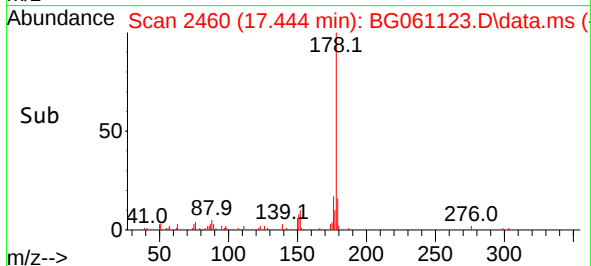


Tgt Ion:178 Resp: 19980
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.0 22.6
 179 15.9 12.0 18.0

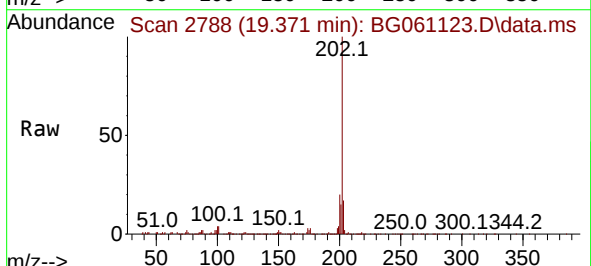
Manual Integrations

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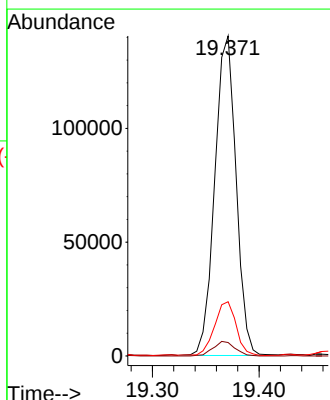
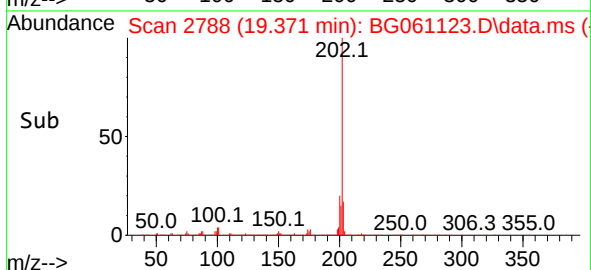
Reviewed By :Jagrut Upadhyay 05/07/2024
 Supervised By :mohammad ahmed 05/08/2024

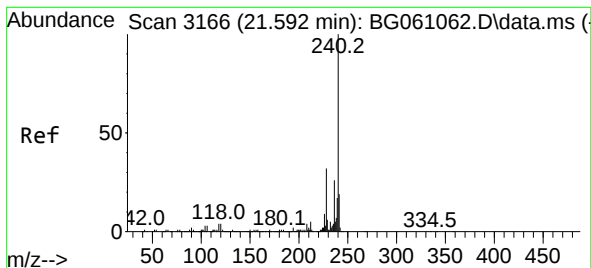


#75
 Fluoranthene
 Concen: 16.914 ng
 RT: 19.371 min Scan# 2788
 Delta R.T. -0.012 min
 Lab File: BG061123.D
 Acq: 6 May 2024 16:50



Tgt Ion:202 Resp: 194325
 Ion Ratio Lower Upper
 202 100
 101 4.2 0.0 24.7
 203 16.9 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.574 min Scan# 3166

Delta R.T. -0.018 min

Lab File: BG061123.D

Acq: 6 May 2024 16:50

Instrument :

BNA_G

ClientSampleId :

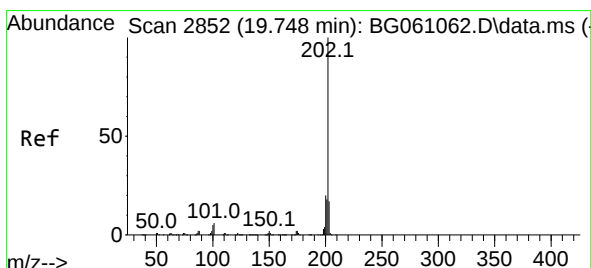
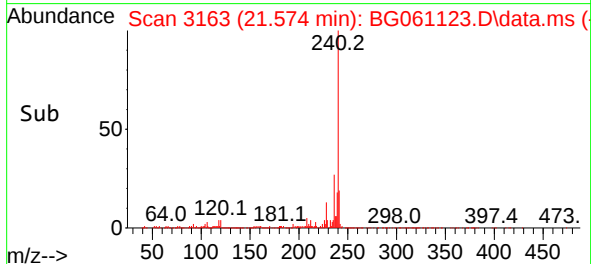
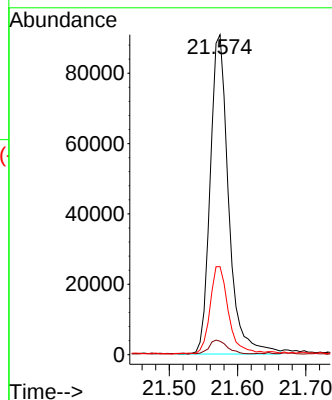
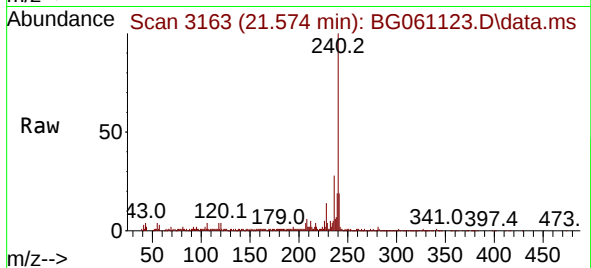
OR-02-05032024

Tgt Ion:240 Resp: 170588
Ion Ratio Lower Upper
240 100
120 4.2 3.2 4.8
236 27.5 21.0 31.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#78

Pyrene

Concen: 14.816 ng

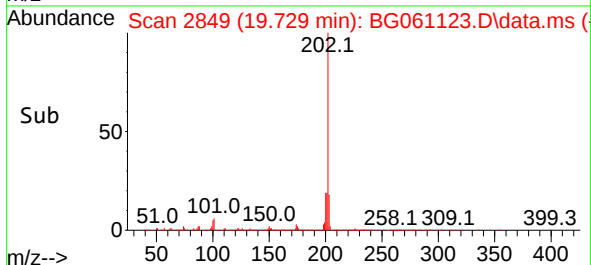
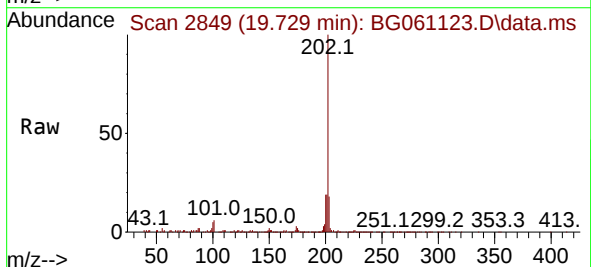
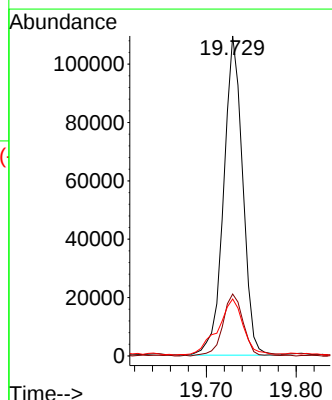
RT: 19.729 min Scan# 2849

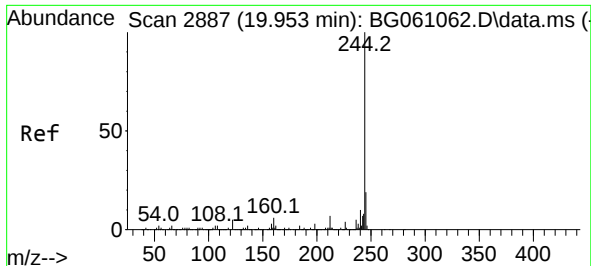
Delta R.T. -0.018 min

Lab File: BG061123.D

Acq: 6 May 2024 16:50

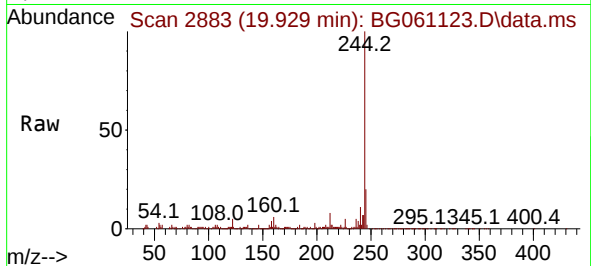
Tgt Ion:202 Resp: 160686
Ion Ratio Lower Upper
202 100
200 19.4 16.2 24.4
203 17.8 13.3 19.9





#79
 Terphenyl-d14
 Concen: 11.735 ng
 RT: 19.929 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BG061123.D
 Acq: 6 May 2024 16:50

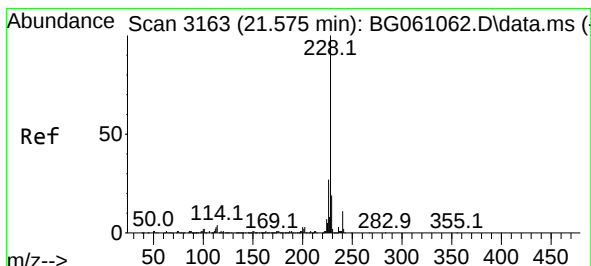
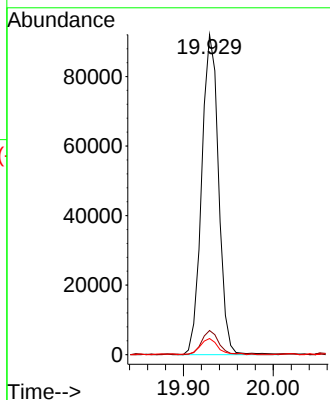
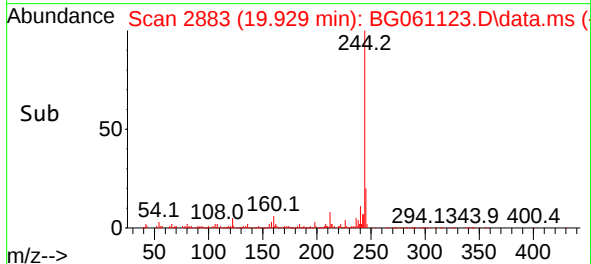
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-05032024



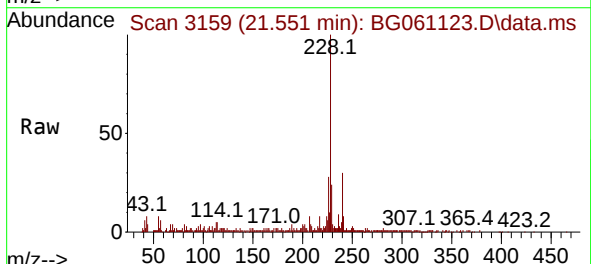
Tgt Ion:244 Resp: 120365
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.7 8.5
 122 5.1 4.2 6.2

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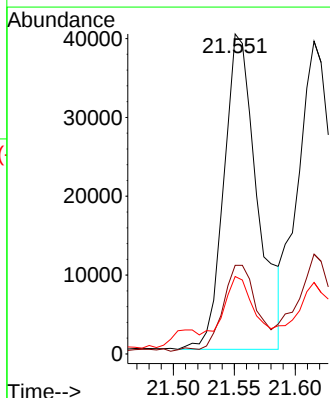
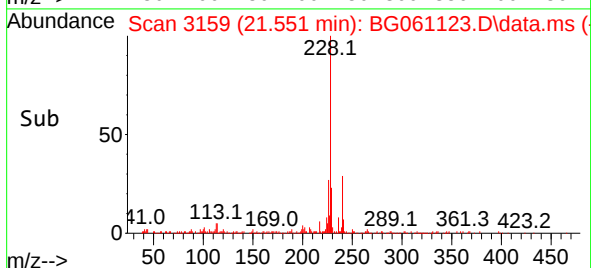
Reviewed By :Jagrut Upadhyay 05/07/2024
 Supervised By :mohammad ahmed 05/08/2024

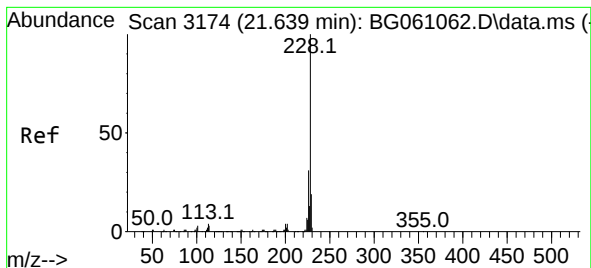


#81
 Benzo(a)anthracene
 Concen: 6.841 ng
 RT: 21.551 min Scan# 3159
 Delta R.T. -0.024 min
 Lab File: BG061123.D
 Acq: 6 May 2024 16:50



Tgt Ion:228 Resp: 76365
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.6 32.4
 229 24.2 15.0 22.4#





#83

Chrysene

Concen: 7.832 ng

RT: 21.615 min Scan# 3170

Delta R.T. -0.024 min

Lab File: BG061123.D

Acq: 6 May 2024 16:50

Instrument :

BNA_G

ClientSampleId :

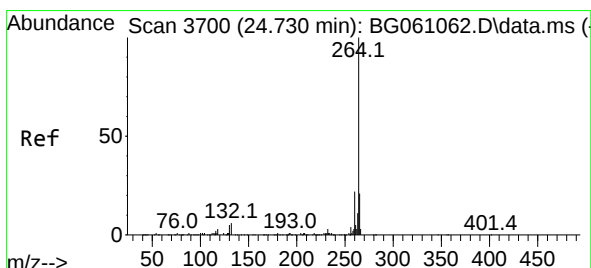
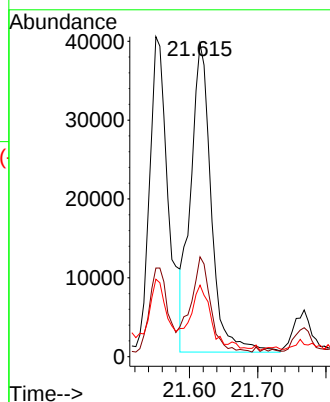
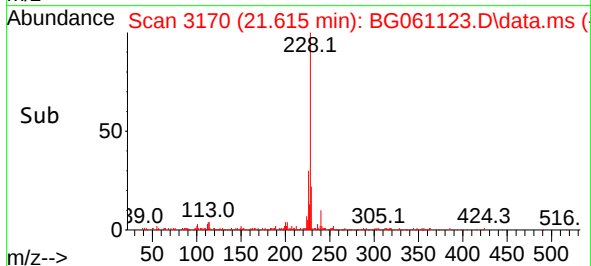
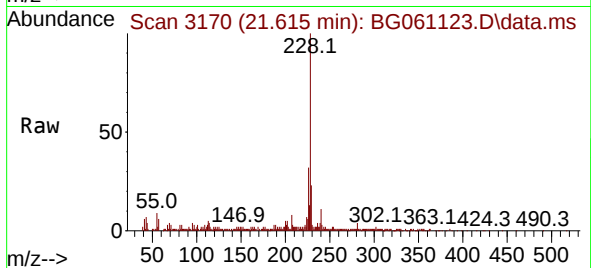
OR-02-05032024

Tgt Ion:	228	Resp:	81910
Ion Ratio	Lower	Upper	
228	100		
226	31.9	24.4	36.6
229	22.9	14.8	22.2

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Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#86

Perylene-d12

Concen: 20.000 ng m

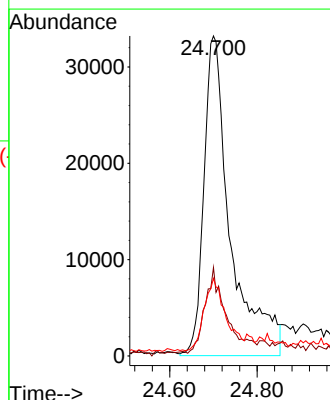
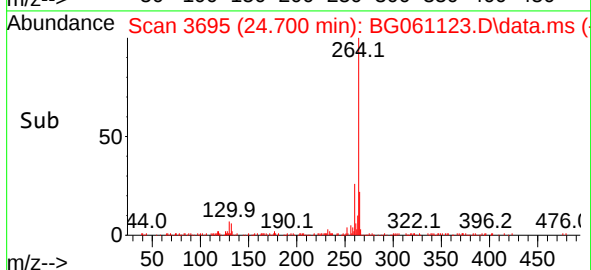
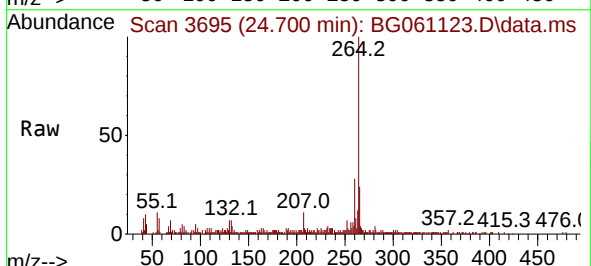
RT: 24.700 min Scan# 3695

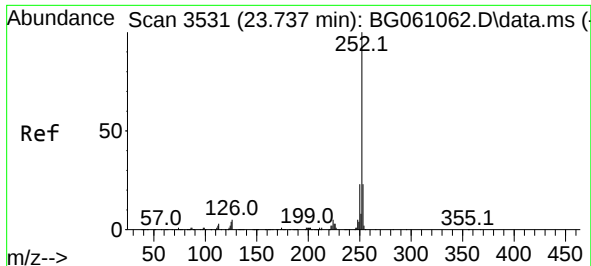
Delta R.T. -0.030 min

Lab File: BG061123.D

Acq: 6 May 2024 16:50

Tgt Ion:	264	Resp:	139879
Ion Ratio	Lower	Upper	
264	100		
260	27.7	17.7	26.5
265	24.2	16.4	24.6





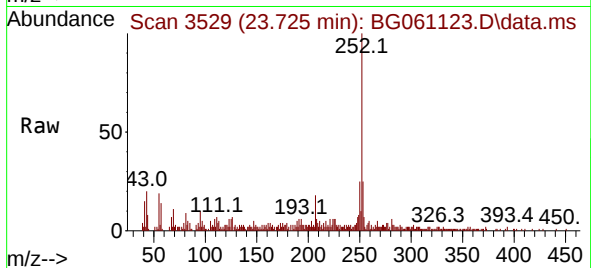
#88
Benzo(b)fluoranthene
Concen: 9.833 ng
RT: 23.725 min Scan# 3529
Delta R.T. -0.012 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

Instrument :

BNA_G

ClientSampleId :

OR-02-05032024

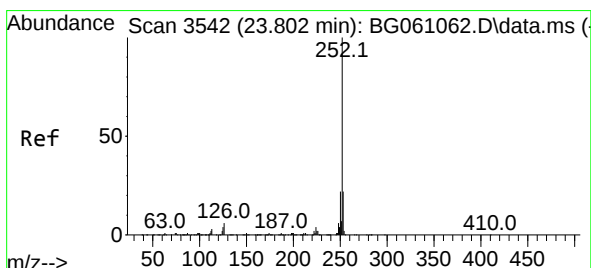
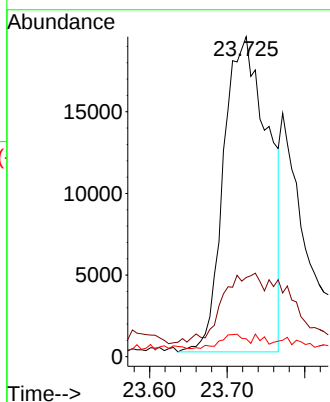
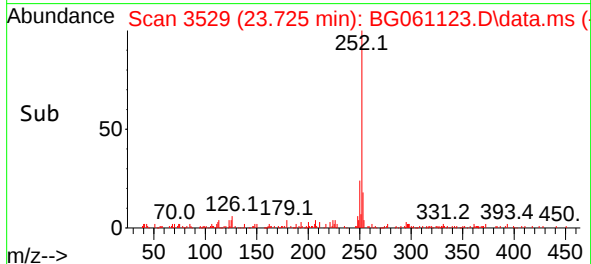


Tgt Ion:252 Resp: 76860
Ion Ratio Lower Upper
252 100
253 24.7 18.2 27.2
125 5.6 3.4 5.0

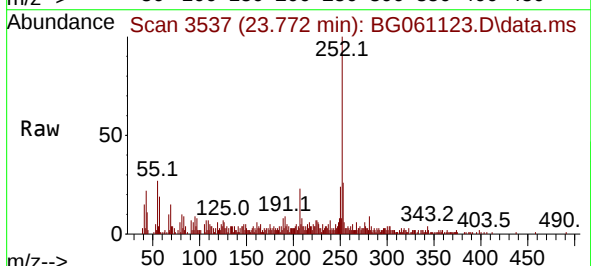
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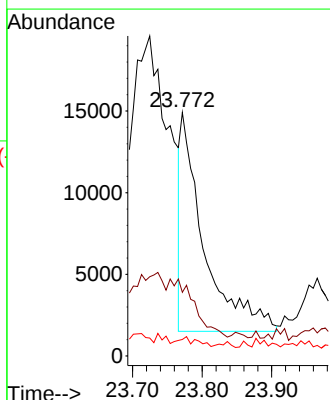
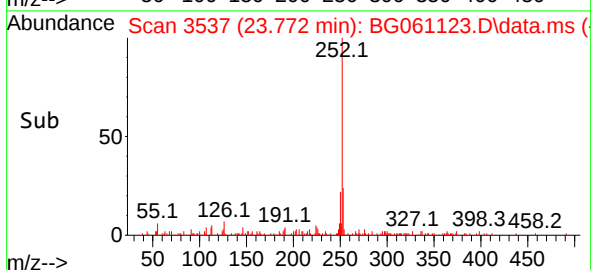
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024

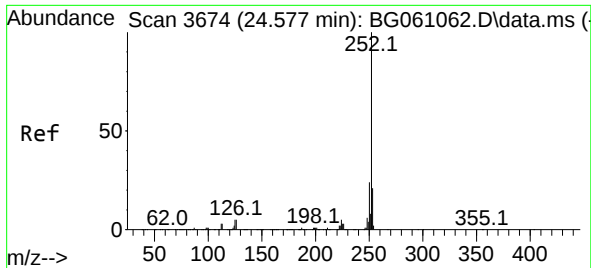


#89
Benzo(k)fluoranthene
Concen: 4.113 ng m
RT: 23.772 min Scan# 3537
Delta R.T. -0.030 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50



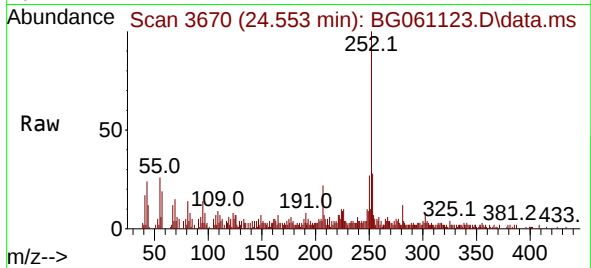
Tgt Ion:252 Resp: 30925
Ion Ratio Lower Upper
252 100
253 26.1 17.3 25.9#
125 6.8 3.2 4.8#





#90
Benzo(a)pyrene
Concen: 5.658 ng
RT: 24.553 min Scan# 30
Delta R.T. -0.024 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

Instrument :
BNA_G
ClientSampleId :
OR-02-05032024



Tgt Ion:252 Resp: 3853
Ion Ratio Lower Upper
252 100
253 27.6 16.9 25.3
125 7.5 3.8 5.8

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Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024

