

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
 Data File : BG060869.D
 Acq On : 11 Apr 2024 21:40
 Operator : MA/JU
 Sample : P2071-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-01-041024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/12/2024
 Supervised By :mohammad ahmed 04/17/2024

Quant Time: Apr 12 01:39:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 03:12:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.952	152	66894	20.000	ng	0.00
21) Naphthalene-d8	10.749	136	254145	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	177522	20.000	ng	0.00
64) Phenanthrene-d10	17.330	188	361306	20.000	ng	0.00
76) Chrysene-d12	21.589	240	340756	20.000	ng	-0.02
86) Perylene-d12	24.733	264	388185	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.537	112	62984	15.685	ng	0.00
7) Phenol-d6	7.112	99	89258	14.975	ng	0.00
23) Nitrobenzene-d5	9.104	82	60786	13.648	ng	0.00
42) 2,4,6-Tribromophenol	16.066	330	41618	20.652	ng	0.00
45) 2-Fluorobiphenyl	13.205	172	138712	11.468	ng	-0.02
79) Terphenyl-d14	19.950	244	219507	11.343	ng	-0.02
Target Compounds						
						Qvalue
71) Phenanthrene	17.371	178	71629	3.812	ng	99
75) Fluoranthene	19.380	202	186436	8.176	ng	98
78) Pyrene	19.744	202	190110	7.977	ng	99
81) Benzo(a)anthracene	21.572	228	92221	3.839	ng	95
83) Chrysene	21.636	228	93578m	4.042	ng	
88) Benzo(b)fluoranthene	23.746	252	118163	5.299	ng	# 91
90) Benzo(a)pyrene	24.574	252	85144	3.929	ng	# 94

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

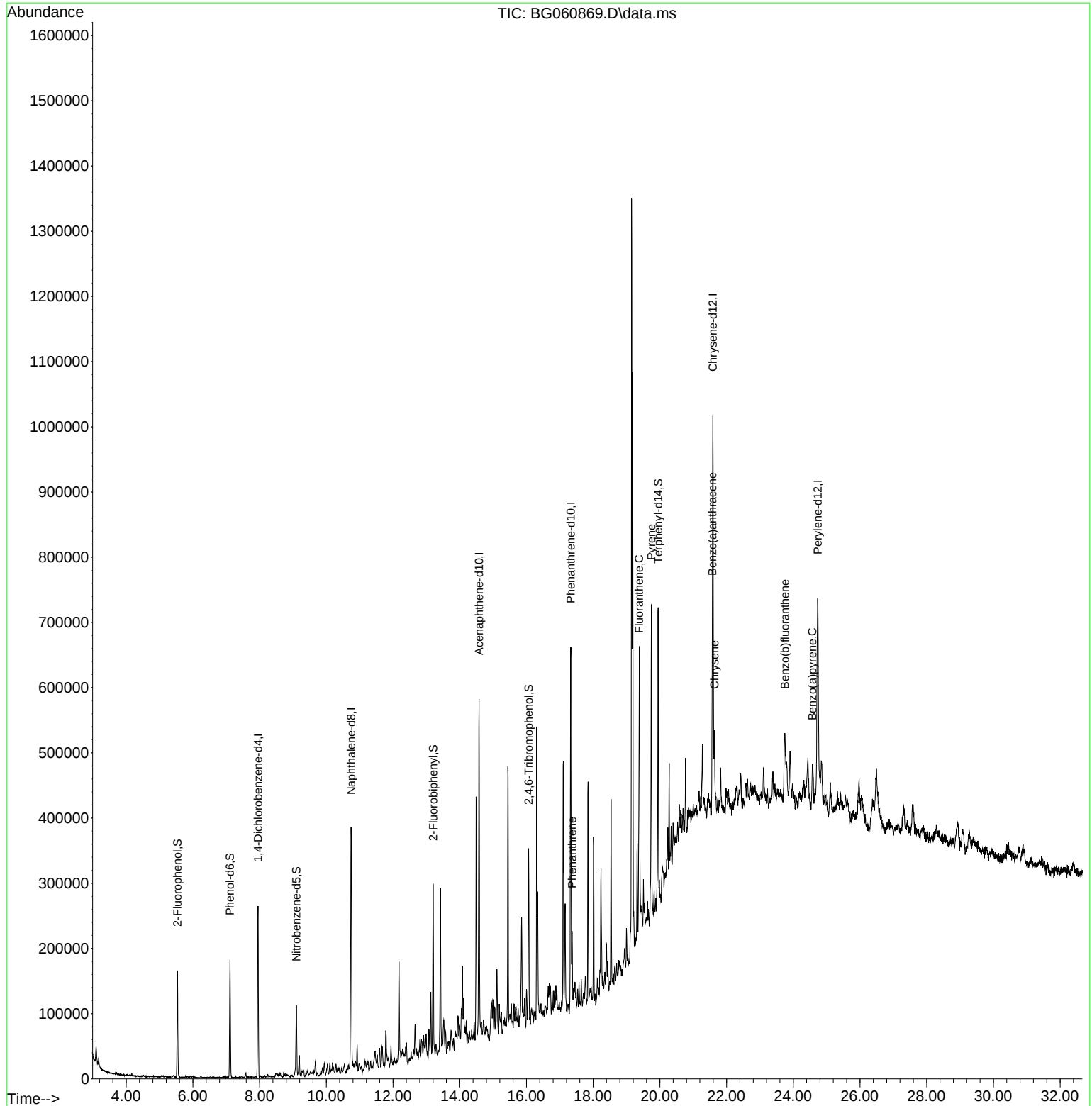
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
Data File : BG060869.D
Acq On : 11 Apr 2024 21:40
Operator : MA/JU
Sample : P2071-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

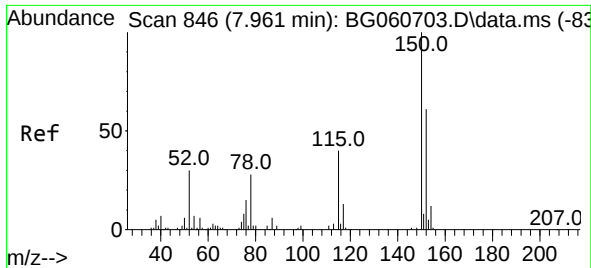
Instrument :
BNA_G
ClientSampleId :
PL-01-041024

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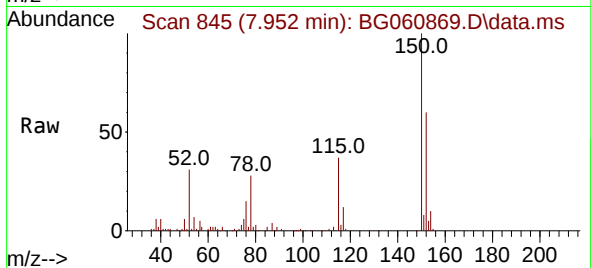
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.952 min Scan# 846
Delta R.T. -0.009 min
Lab File: BG060869.D
Acq: 11 Apr 2024 21:40

Instrument :

BNA_G

ClientSampleId :

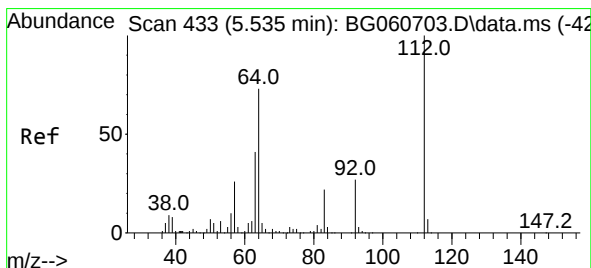
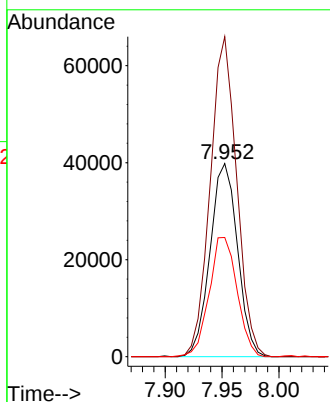
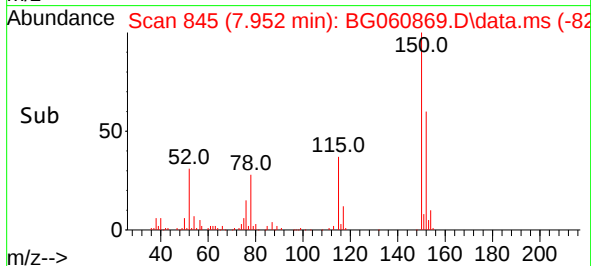
PL-01-041024



Tgt Ion:152 Resp: 66894
Ion Ratio Lower Upper
152 100
150 165.7 130.2 195.4
115 61.8 51.6 77.4

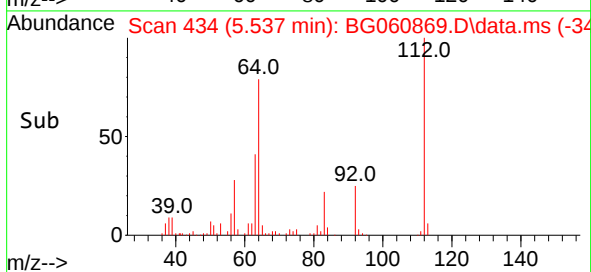
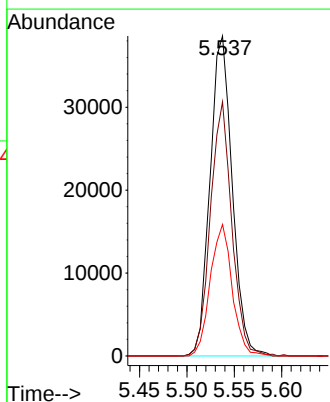
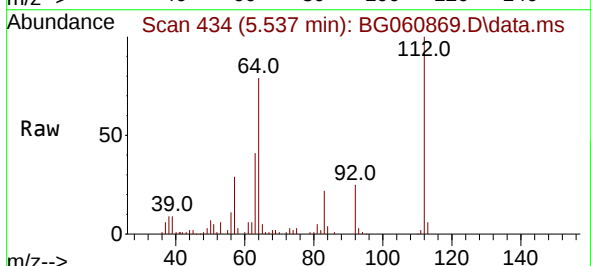
Manual Integrations
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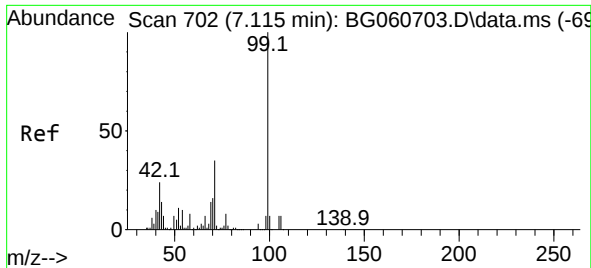
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#5
2-Fluorophenol
Concen: 15.685 ng
RT: 5.537 min Scan# 434
Delta R.T. 0.003 min
Lab File: BG060869.D
Acq: 11 Apr 2024 21:40

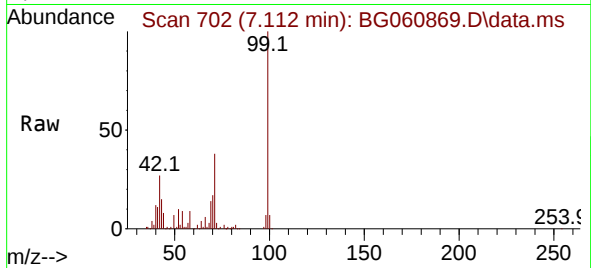
Tgt Ion:112 Resp: 62984
Ion Ratio Lower Upper
112 100
64 79.4 58.4 87.6
63 41.1 32.7 49.1





#7
Phenol-d6
Concen: 14.975 ng
RT: 7.112 min Scan# 702
Delta R.T. -0.003 min
Lab File: BG060869.D
Acq: 11 Apr 2024 21:40

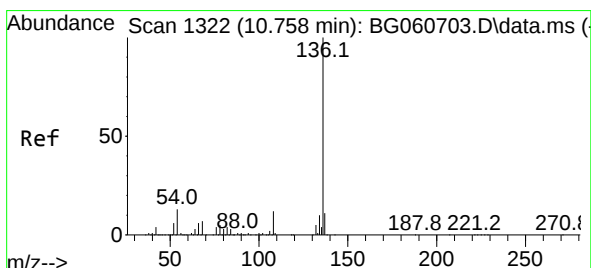
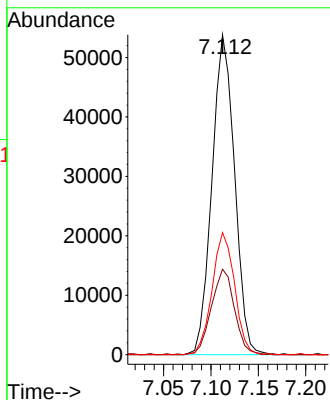
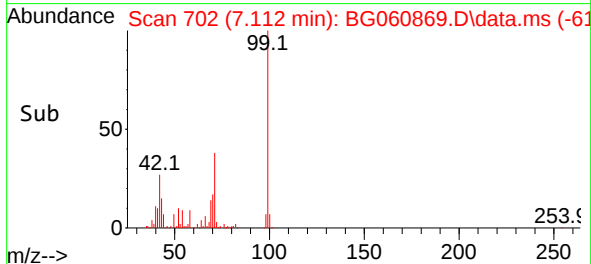
Instrument :
BNA_G
ClientSampleId :
PL-01-041024



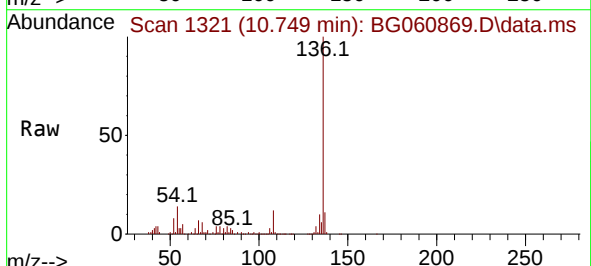
Tgt Ion: 99 Resp: 89258
Ion Ratio Lower Upper
99 100
42 26.7 19.4 29.2
71 38.2 28.2 42.2

Manual Integrations
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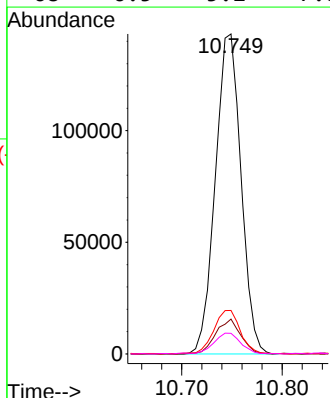
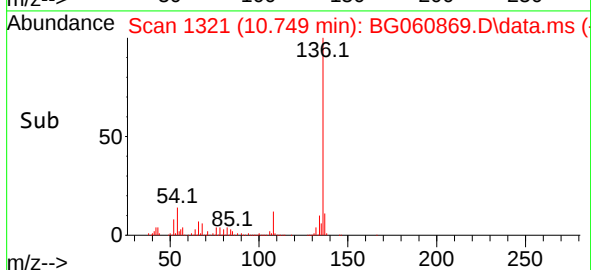
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024

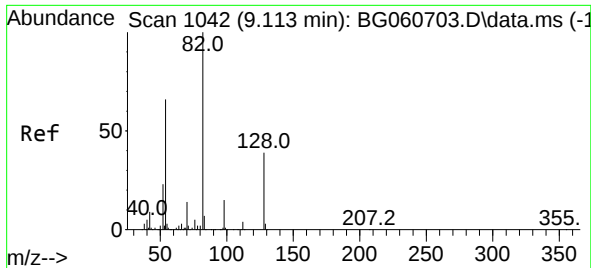


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.749 min Scan# 1321
Delta R.T. -0.009 min
Lab File: BG060869.D
Acq: 11 Apr 2024 21:40



Tgt Ion:136 Resp: 254145
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 13.6 10.2 15.2
68 6.5 5.2 7.8





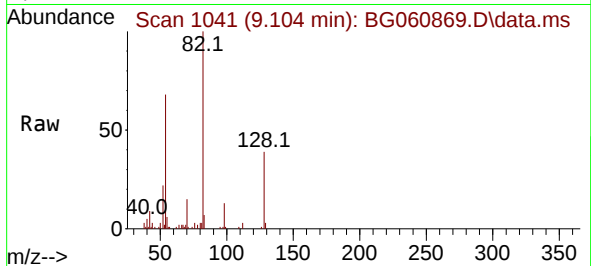
#23
Nitrobenzene-d5
Concen: 13.648 ng
RT: 9.104 min Scan# 1041
Delta R.T. -0.009 min
Lab File: BG060869.D
Acq: 11 Apr 2024 21:40

Instrument :

BNA_G

ClientSampleId :

PL-01-041024



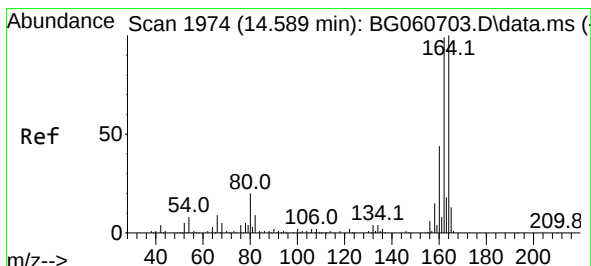
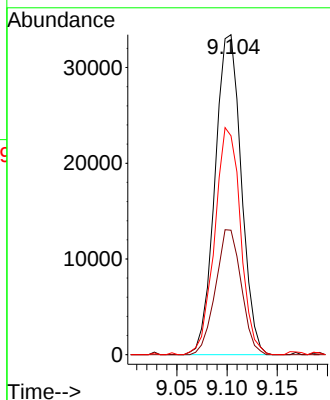
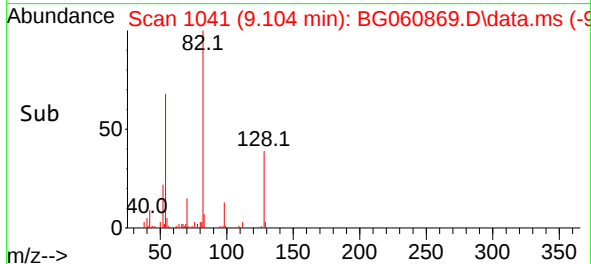
Tgt Ion: 82 Resp: 60780
Ion Ratio Lower Upper
82 100
128 38.9 31.2 46.8
54 68.4 53.2 79.8

Manual Integrations

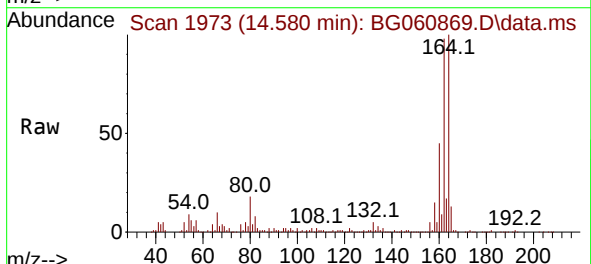
APPROVED

Reviewed By :Yogesh Patel 04/12/2024

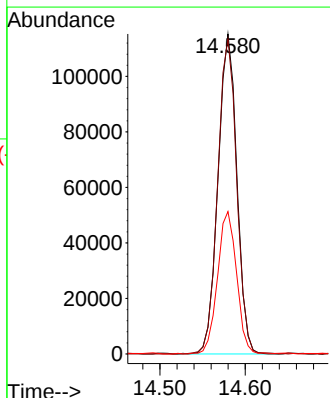
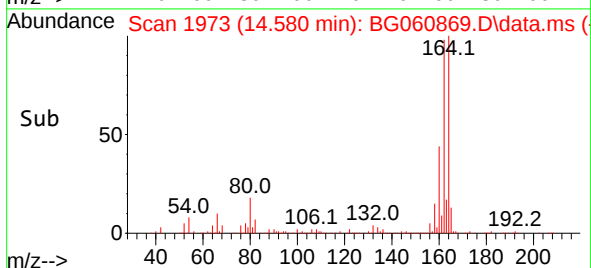
Supervised By :mohammad ahmed 04/17/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.580 min Scan# 1973
Delta R.T. -0.009 min
Lab File: BG060869.D
Acq: 11 Apr 2024 21:40



Tgt Ion:164 Resp: 177522
Ion Ratio Lower Upper
164 100
162 98.4 79.5 119.3
160 44.5 35.4 53.0





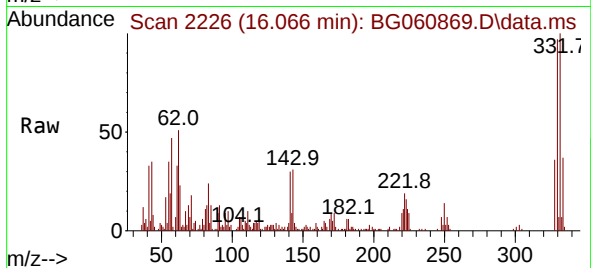
#42
2,4,6-Tribromophenol
Concen: 20.652 ng
RT: 16.066 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG060869.D
Acq: 11 Apr 2024 21:40

Instrument :

BNA_G

ClientSampleId :

PL-01-041024



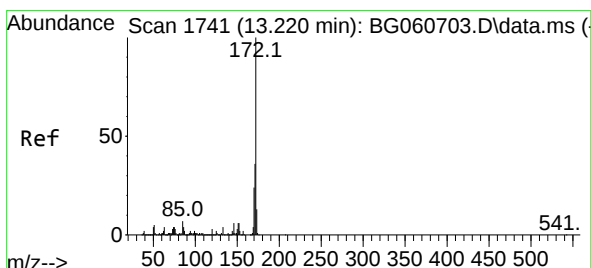
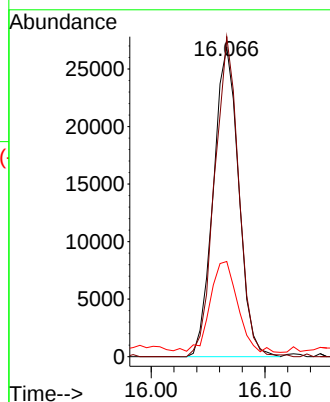
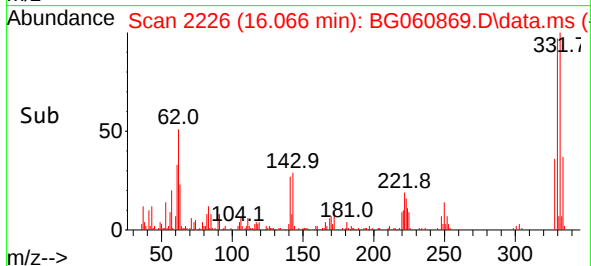
Tgt Ion:330 Resp: 41618
Ion Ratio Lower Upper
330 100
332 98.3 78.2 117.4
141 32.0 27.0 40.6

Manual Integrations

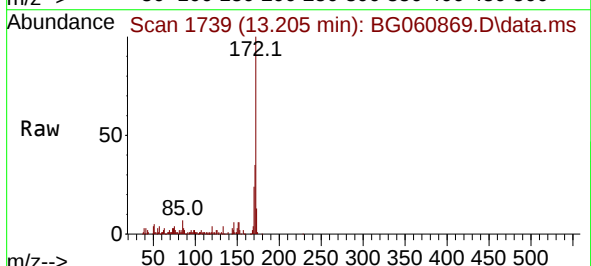
APPROVED

Reviewed By :Yogesh Patel 04/12/2024

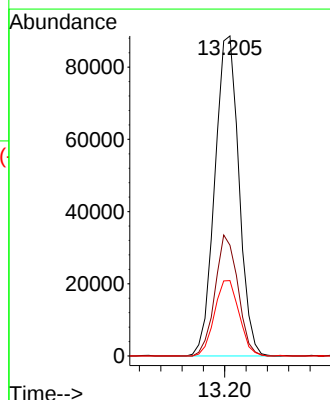
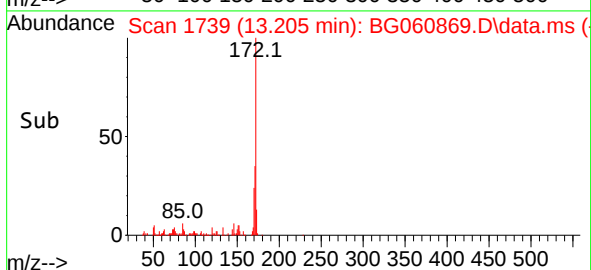
Supervised By :mohammad ahmed 04/17/2024

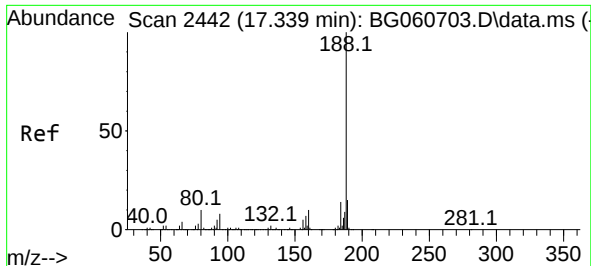


#45
2-Fluorobiphenyl
Concen: 11.468 ng
RT: 13.205 min Scan# 1739
Delta R.T. -0.015 min
Lab File: BG060869.D
Acq: 11 Apr 2024 21:40



Tgt Ion:172 Resp: 138712
Ion Ratio Lower Upper
172 100
171 34.6 28.7 43.1
170 23.6 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.330 min Scan# 2442
Delta R.T. -0.009 min
Lab File: BG060869.D
Acq: 11 Apr 2024 21:40

Instrument :

BNA_G

ClientSampleId :

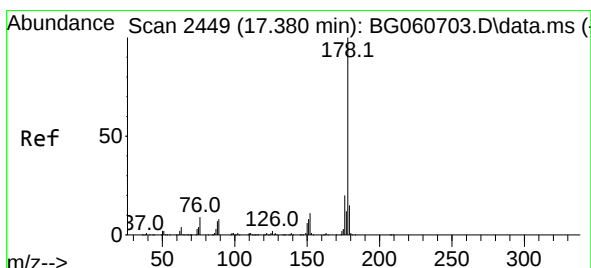
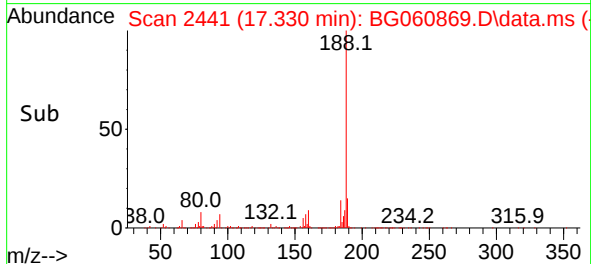
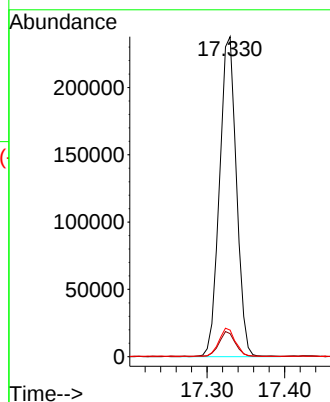
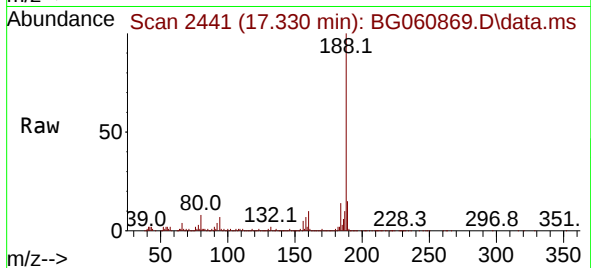
PL-01-041024

Tgt Ion:188 Resp: 361300
Ion Ratio Lower Upper
188 100
94 7.2 6.6 9.8
80 8.3 7.6 11.4

Manual Integrations

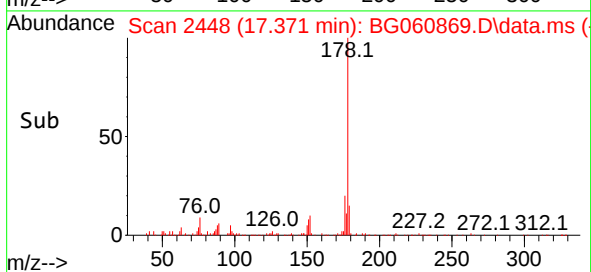
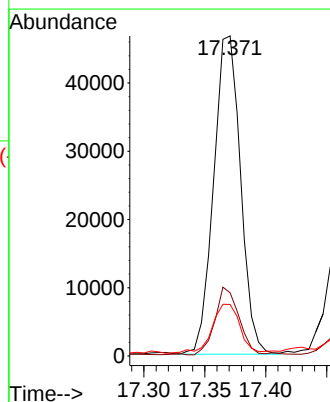
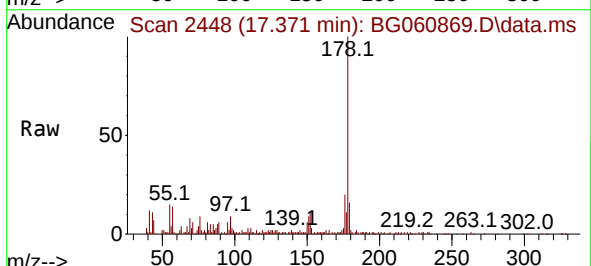
APPROVED

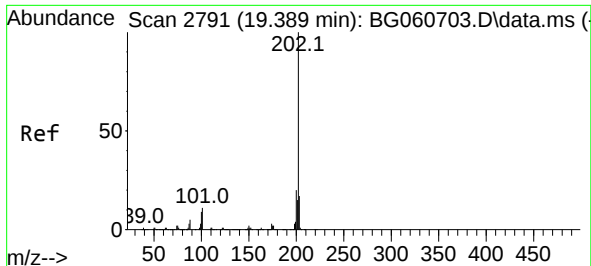
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#71
Phenanthrene
Concen: 3.812 ng
RT: 17.371 min Scan# 2448
Delta R.T. -0.009 min
Lab File: BG060869.D
Acq: 11 Apr 2024 21:40

Tgt Ion:178 Resp: 71629
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.6
179 16.1 12.2 18.4





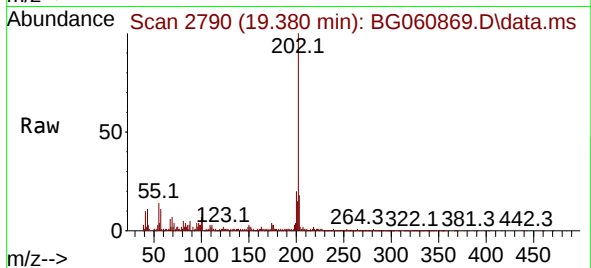
#75
Fluoranthene
Concen: 8.176 ng
RT: 19.380 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG060869.D
Acq: 11 Apr 2024 21:40

Instrument :

BNA_G

ClientSampleId :

PL-01-041024



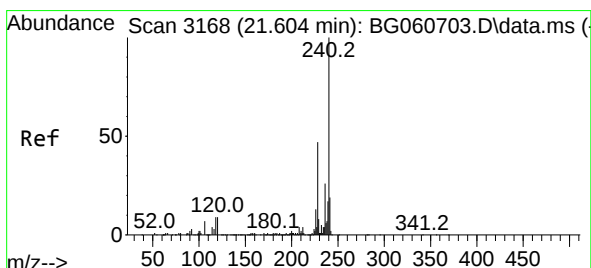
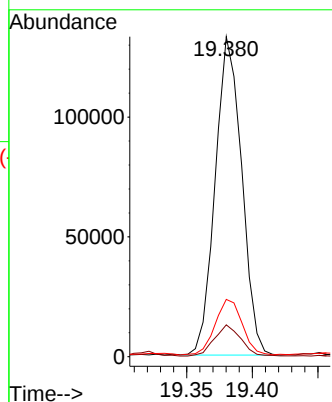
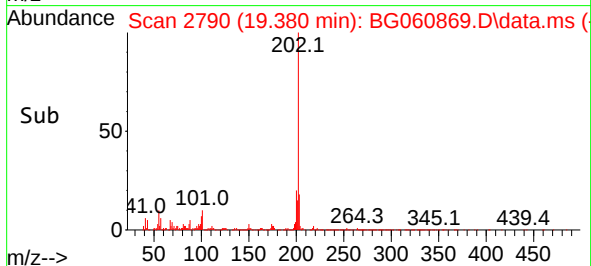
Tgt Ion:202 Resp: 186430
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.8
203 17.9 0.0 37.4

Manual Integrations

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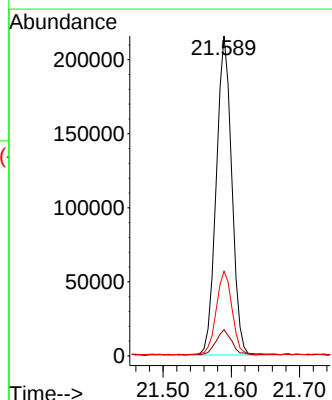
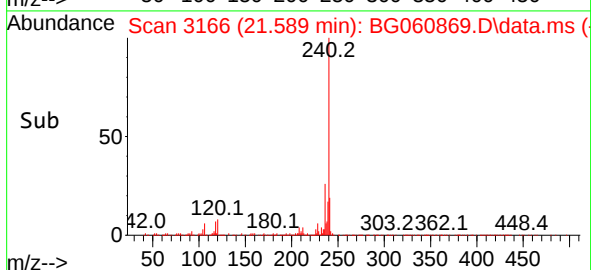
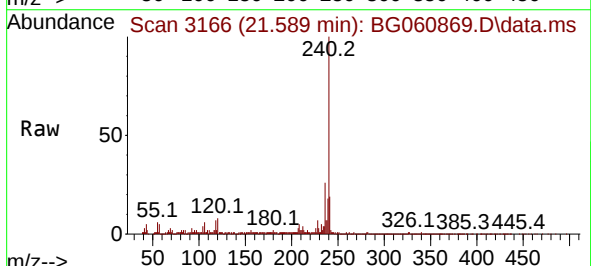
Reviewed By :Yogesh Patel 04/12/2024

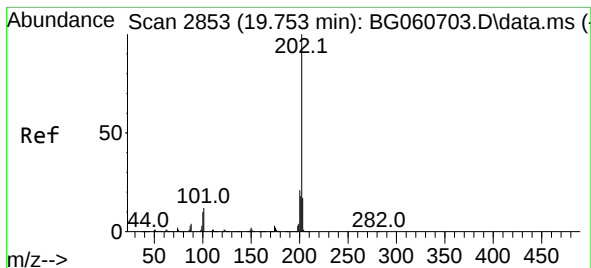
Supervised By :mohammad ahmed 04/17/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 3166
Delta R.T. -0.015 min
Lab File: BG060869.D
Acq: 11 Apr 2024 21:40

Tgt Ion:240 Resp: 340756
Ion Ratio Lower Upper
240 100
120 8.2 7.1 10.7
236 26.5 20.7 31.1





#78

Pyrene

Concen: 7.977 ng

RT: 19.744 min Scan# 2852

Delta R.T. -0.009 min

Lab File: BG060869.D

Acq: 11 Apr 2024 21:40

Instrument :

BNA_G

ClientSampleId :

PL-01-041024

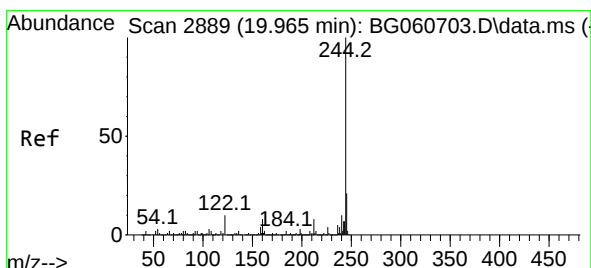
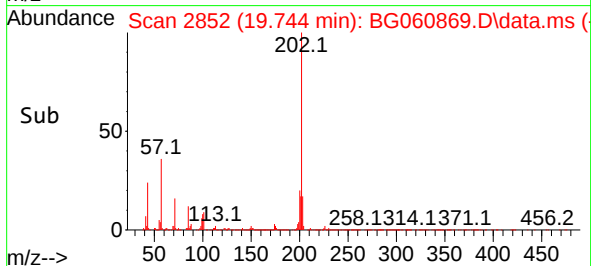
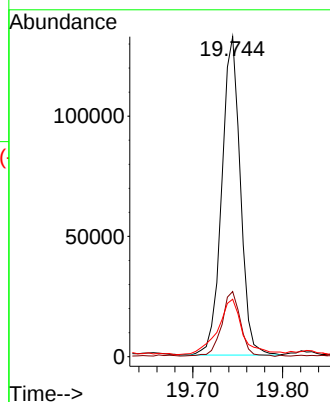
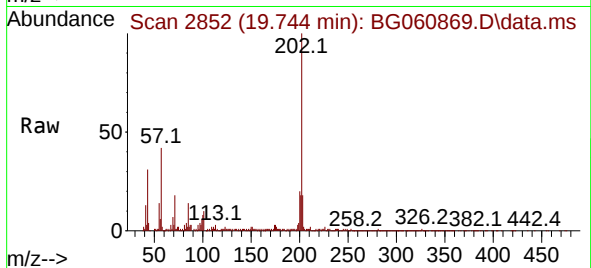
Tgt Ion:	202	Resp:	190110
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.0	25.4
203	18.0	14.0	21.0

Manual Integrations

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Reviewed By :Yogesh Patel 04/12/2024

Supervised By :mohammad ahmed 04/17/2024



#79

Terphenyl-d14

Concen: 11.343 ng

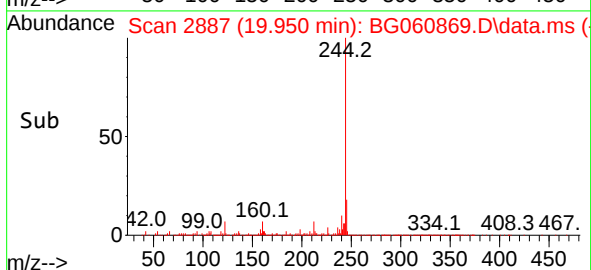
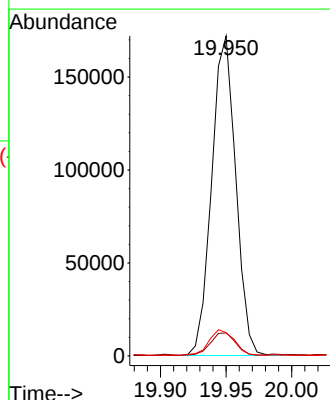
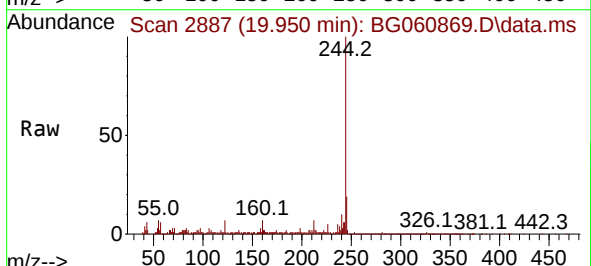
RT: 19.950 min Scan# 2887

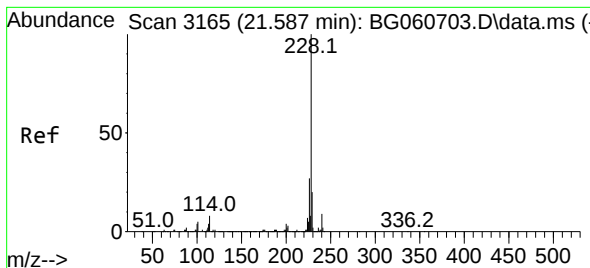
Delta R.T. -0.015 min

Lab File: BG060869.D

Acq: 11 Apr 2024 21:40

Tgt Ion:	244	Resp:	219507
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.2	9.2
122	7.3	7.8	11.8





#81

Benzo(a)anthracene

Concen: 3.839 ng

RT: 21.572 min Scan# 3163

Delta R.T. -0.015 min

Lab File: BG060869.D

Acq: 11 Apr 2024 21:40

Instrument :

BNA_G

ClientSampleId :

PL-01-041024

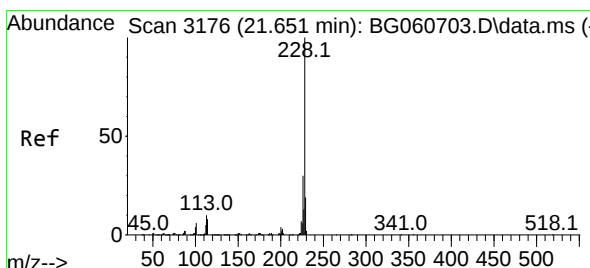
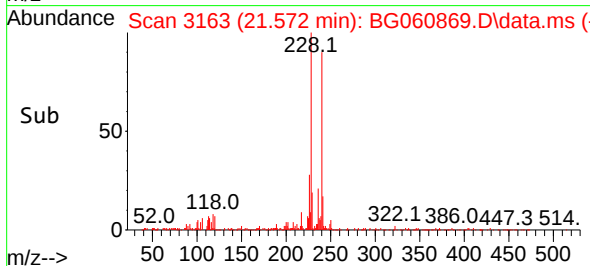
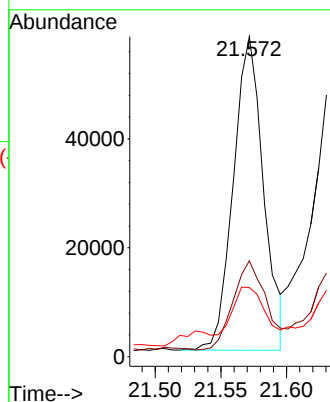
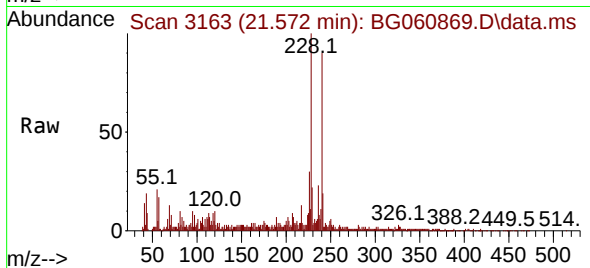
Tgt Ion:228 Resp: 9222
Ion Ratio Lower Upper
228 100
226 29.9 21.7 32.5
229 21.6 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/12/2024

Supervised By :mohammad ahmed 04/17/2024



#83

Chrysene

Concen: 4.042 ng m

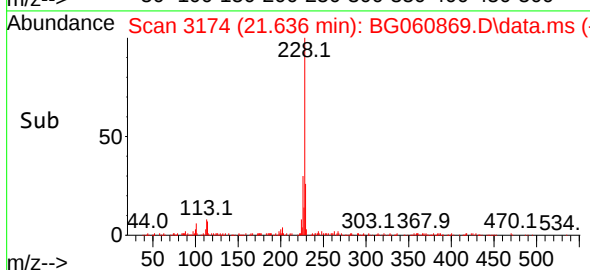
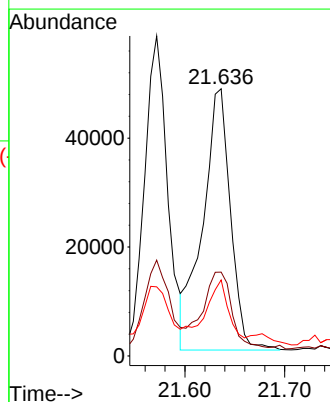
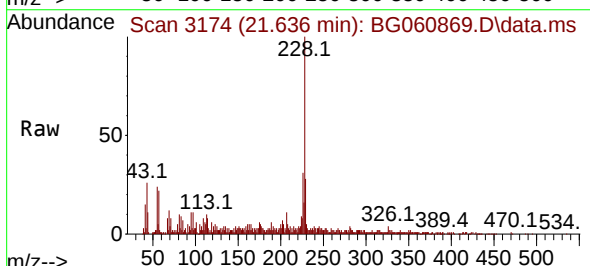
RT: 21.636 min Scan# 3174

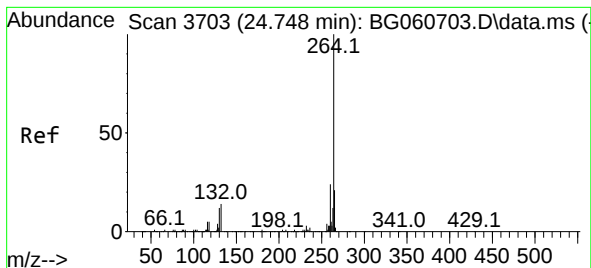
Delta R.T. -0.015 min

Lab File: BG060869.D

Acq: 11 Apr 2024 21:40

Tgt Ion:228 Resp: 93578
Ion Ratio Lower Upper
228 100
226 31.3 24.2 36.4
229 28.5 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.733 min Scan# 31

Delta R.T. -0.015 min

Lab File: BG060869.D

Acq: 11 Apr 2024 21:40

Instrument :

BNA_G

ClientSampleId :

PL-01-041024

Tgt Ion:264 Resp: 38818

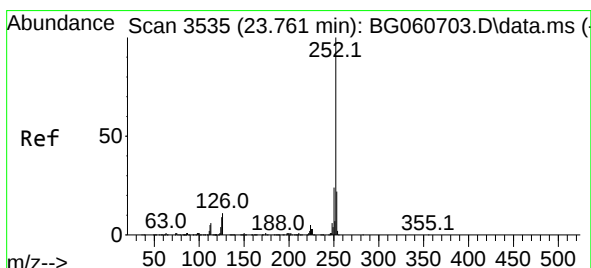
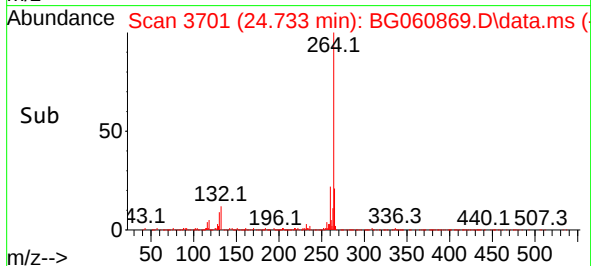
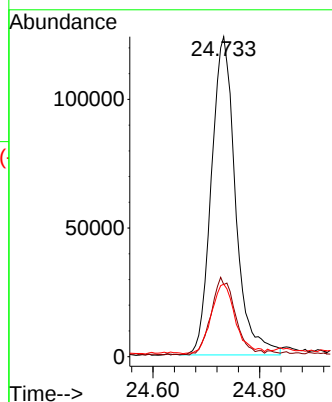
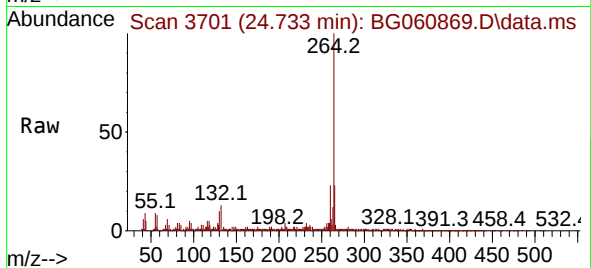
Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.5	29.3
265	22.7	16.9	25.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/12/2024

Supervised By :mohammad ahmed 04/17/2024



#88

Benzo(b)fluoranthene

Concen: 5.299 ng

RT: 23.746 min Scan# 3533

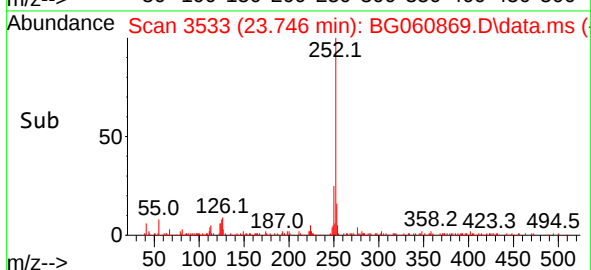
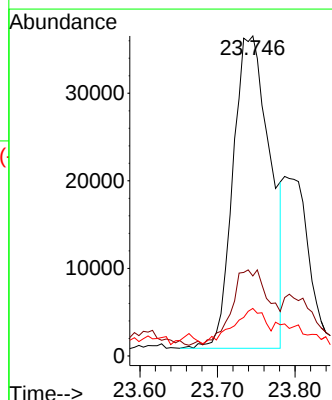
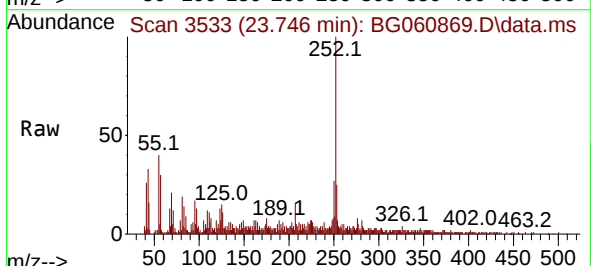
Delta R.T. -0.015 min

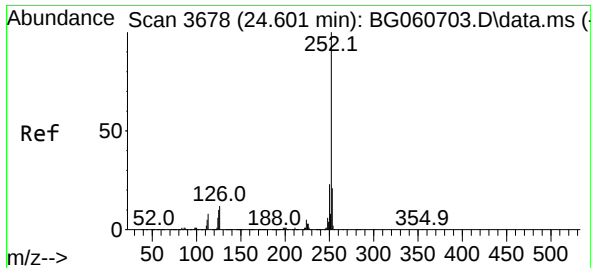
Lab File: BG060869.D

Acq: 11 Apr 2024 21:40

Tgt Ion:252 Resp: 118163

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.8
125	14.9	7.1	10.7





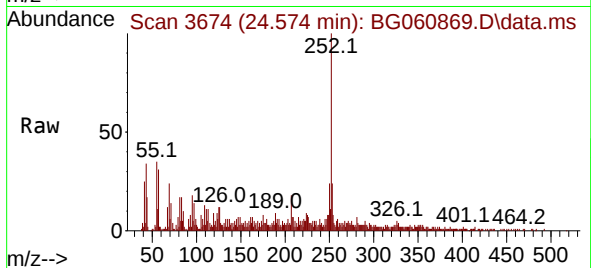
#90
Benzo(a)pyrene
Concen: 3.929 ng
RT: 24.574 min Scan# 30
Delta R.T. -0.027 min
Lab File: BG060869.D
Acq: 11 Apr 2024 21:40

Instrument :

BNA_G

ClientSampleId :

PL-01-041024



Tgt Ion:252 Resp: 85144
Ion Ratio Lower Upper
252 100
253 23.6 16.8 25.2
125 12.1 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/12/2024

Supervised By :mohammad ahmed 04/17/2024

