

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041024\
 Data File : BG060855.D
 Acq On : 10 Apr 2024 18:34
 Operator : MA/JU
 Sample : P2038-01 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-02-040924

Manual Integrations
 APPROVED

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

Quant Time: Apr 10 19:25:22 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	7.953	152	67068	20.000	ng	0.00
21) Naphthalene-d8	10.750	136	252534	20.000	ng	0.00
39) Acenaphthene-d10	14.581	164	176784	20.000	ng	0.00
64) Phenanthrene-d10	17.325	188	383537	20.000	ng	-0.01
76) Chrysene-d12	21.590	240	346816	20.000	ng	-0.01
86) Perylene-d12	24.733	264	332252	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.538	112	35669	8.860	ng	0.00
7) Phenol-d6	7.113	99	49736	8.323	ng	0.00
23) Nitrobenzene-d5	9.099	82	31021	7.009	ng	-0.01
42) 2,4,6-Tribromophenol	16.067	330	22797	11.360	ng	0.00
45) 2-Fluorobiphenyl	13.200	172	78453	6.513	ng	-0.02
79) Terphenyl-d14	19.951	244	125999	6.397	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.372	178	91510	4.588	ng	98
75) Fluoranthene	19.381	202	206689	8.539	ng	96
78) Pyrene	19.745	202	191092	7.878	ng	99
81) Benzo(a)anthracene	21.572	228	105705	4.324	ng	# 94
83) Chrysene	21.631	228	95269	4.043	ng	# 86
88) Benzo(b)fluoranthene	23.741	252	107403	5.627	ng	# 80
89) Benzo(k)fluoranthene	23.799	252	46424m	2.376	ng	
90) Benzo(a)pyrene	24.587	252	76794	4.140	ng	# 80

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

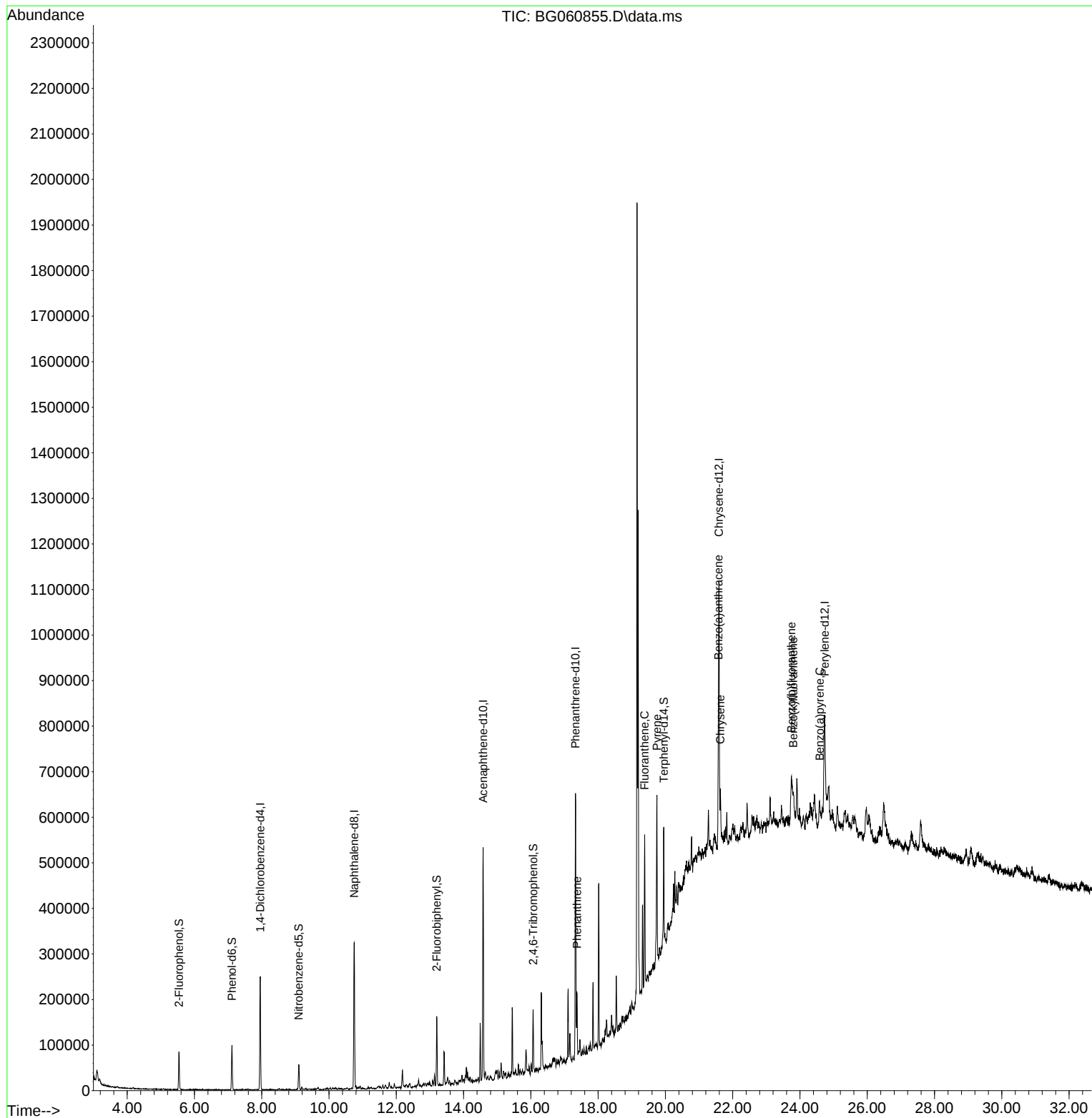
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041024\
Data File : BG060855.D
Acq On : 10 Apr 2024 18:34
Operator : MA/JU
Sample : P2038-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

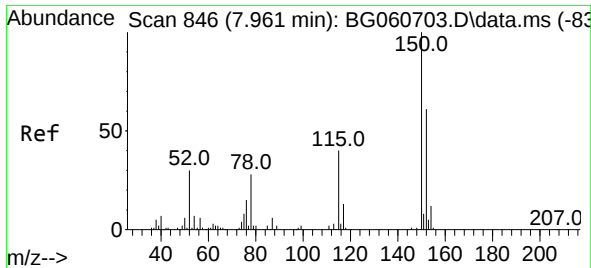
Instrument :
BNA_G
ClientSampleId :
OK-02-040924

Quant Time: Apr 10 19:25:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
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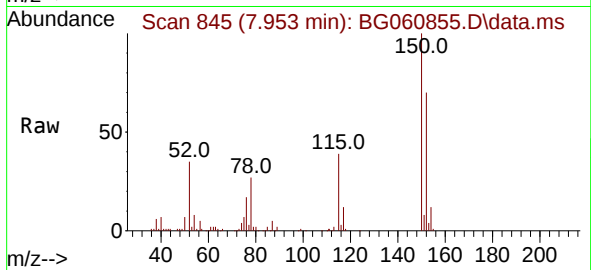
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.953 min Scan# 846
Delta R.T. -0.008 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

Instrument :

BNA_G

ClientSampleId :

OK-02-040924



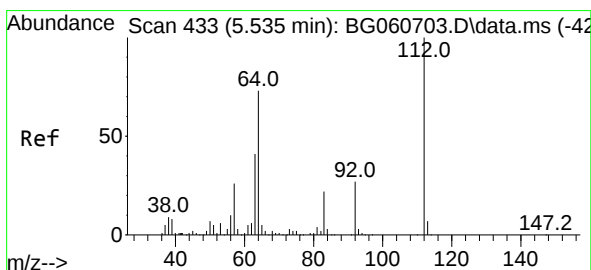
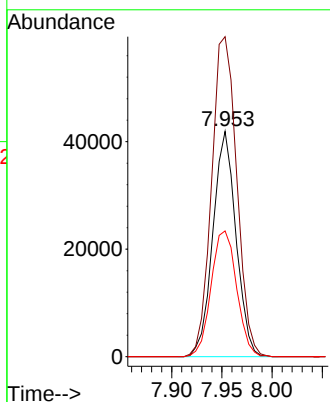
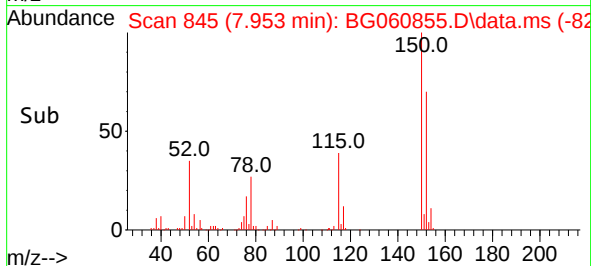
Tgt Ion:152 Resp: 67068
Ion Ratio Lower Upper
152 100
150 142.0 130.2 195.4
115 55.8 51.6 77.4

Manual Integrations

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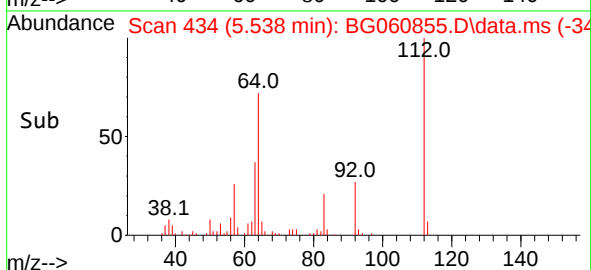
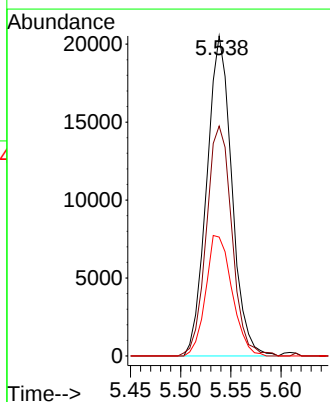
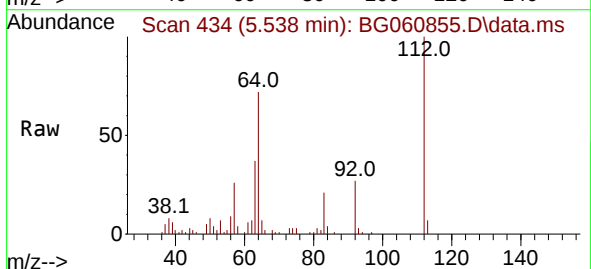
Reviewed By :Yogesh Patel 04/12/2024

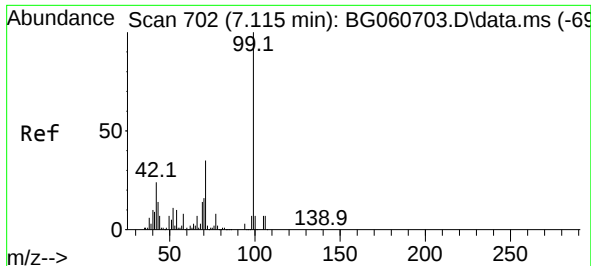
Supervised By :mohammad ahmed 04/12/2024



#5
2-Fluorophenol
Concen: 8.860 ng
RT: 5.538 min Scan# 434
Delta R.T. 0.003 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

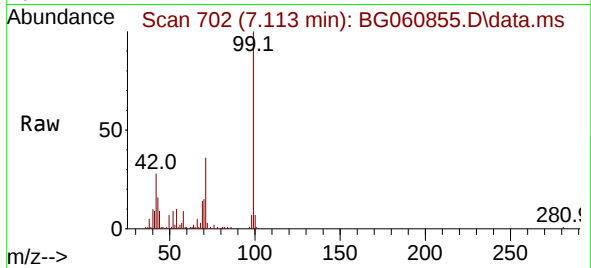
Tgt Ion:112 Resp: 35669
Ion Ratio Lower Upper
112 100
64 71.9 58.4 87.6
63 37.1 32.7 49.1





#7
Phenol-d6
Concen: 8.323 ng
RT: 7.113 min Scan# 702
Delta R.T. -0.002 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

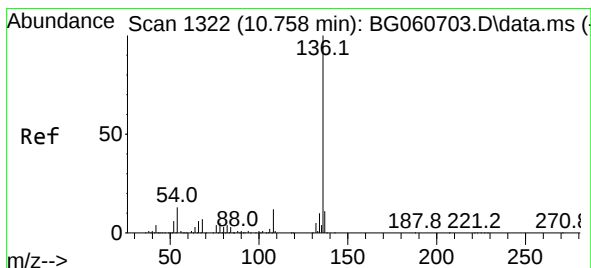
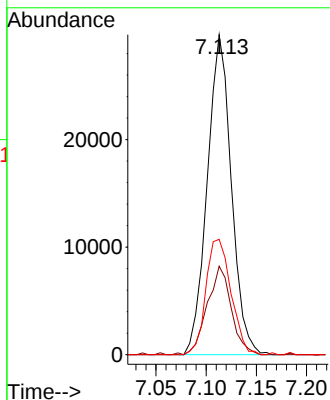
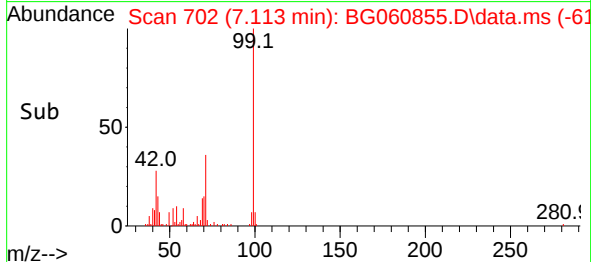
Instrument :
BNA_G
ClientSampleId :
OK-02-040924



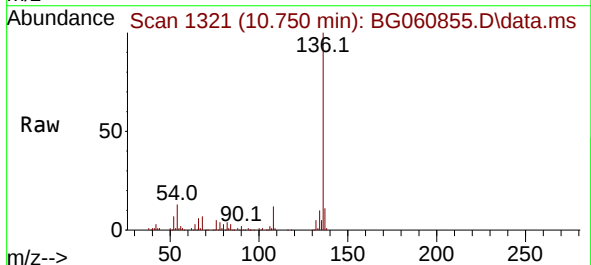
Tgt Ion: 99 Resp: 49730
Ion Ratio Lower Upper
99 100
42 27.6 19.4 29.2
71 36.1 28.2 42.2

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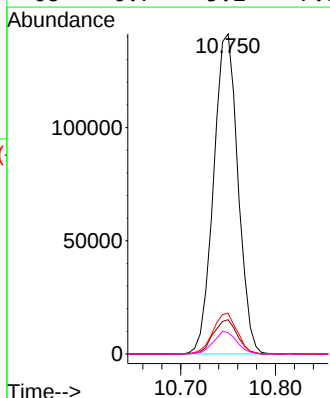
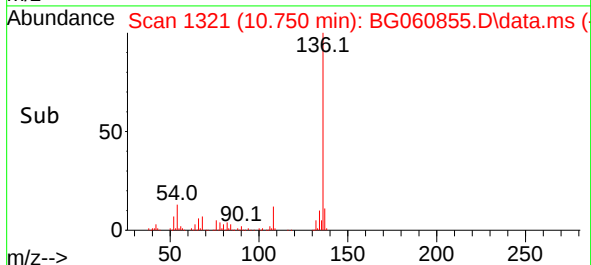
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/12/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.750 min Scan# 1321
Delta R.T. -0.008 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34



Tgt Ion:136 Resp: 252534
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 12.7 10.2 15.2
68 6.7 5.2 7.8





#23

Nitrobenzene-d5

Concen: 7.009 ng

RT: 9.099 min Scan# 1040

Delta R.T. -0.014 min

Lab File: BG060855.D

Acq: 10 Apr 2024 18:34

Instrument :

BNA_G

ClientSampleId :

OK-02-040924

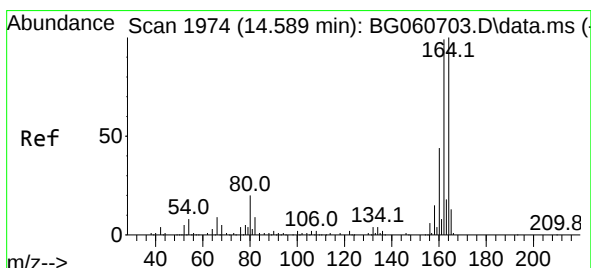
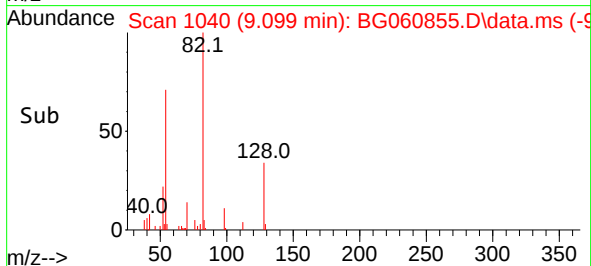
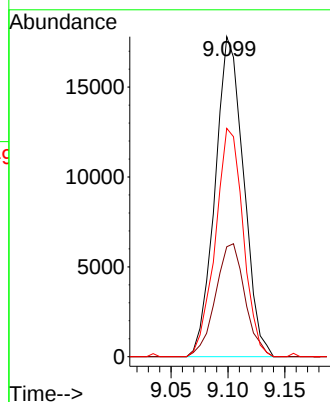
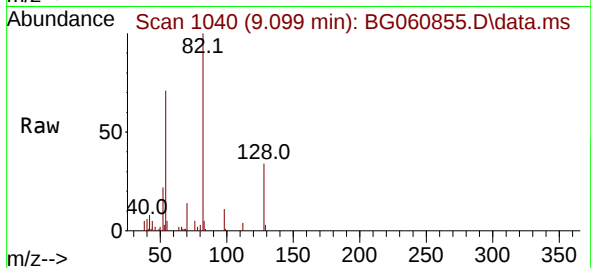
Tgt Ion: 82	Resp: 3102
Ion Ratio	Lower Upper
82 100	
128 34.3	31.2 46.8
54 71.3	53.2 79.8

Manual Integrations

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Reviewed By :Yogesh Patel 04/12/2024

Supervised By :mohammad ahmed 04/12/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

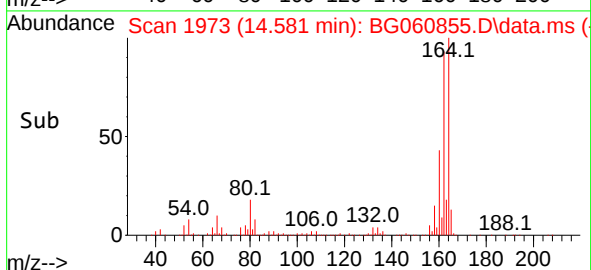
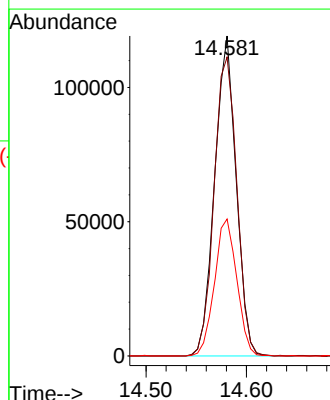
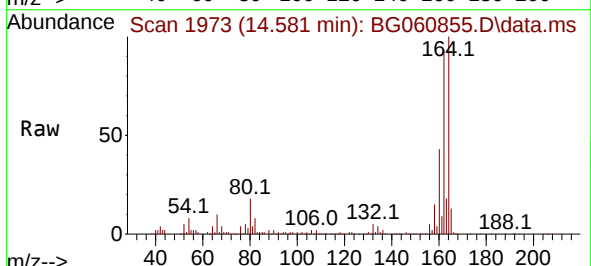
RT: 14.581 min Scan# 1973

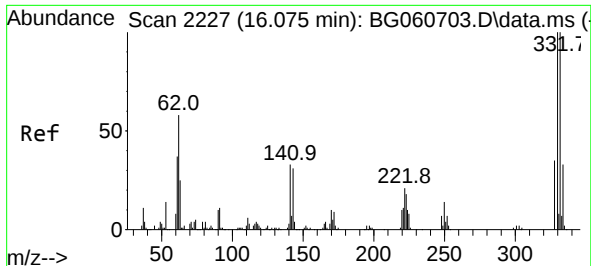
Delta R.T. -0.008 min

Lab File: BG060855.D

Acq: 10 Apr 2024 18:34

Tgt Ion:164	Resp: 176784
Ion Ratio	Lower Upper
164 100	
162 93.4	79.5 119.3
160 42.8	35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 11.360 ng
RT: 16.067 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

Instrument :

BNA_G

ClientSampleId :

OK-02-040924

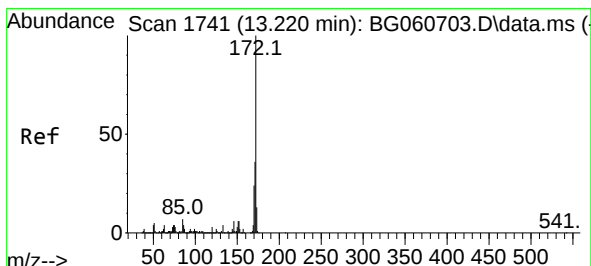
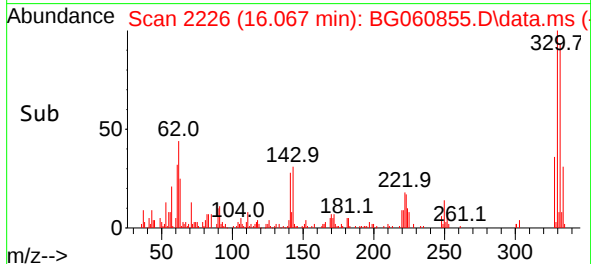
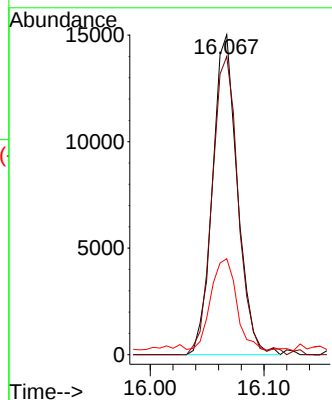
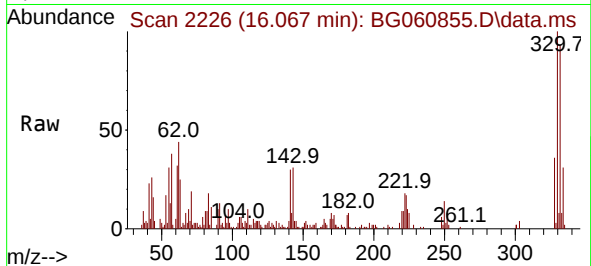
Tgt Ion:330 Resp: 2279
Ion Ratio Lower Upper
330 100
332 97.6 78.2 117.4
141 32.7 27.0 40.6

Manual Integrations

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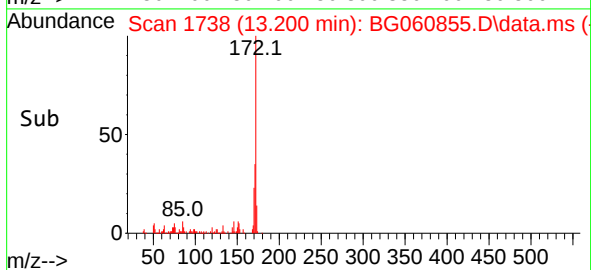
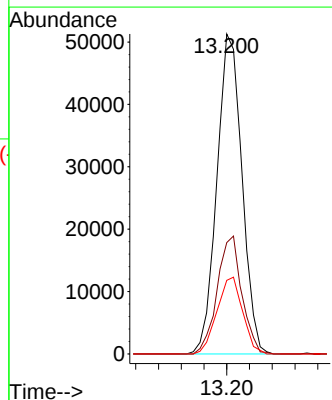
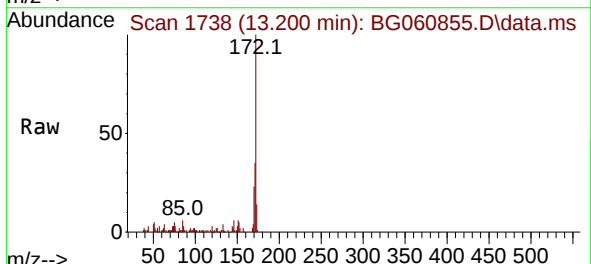
Reviewed By :Yogesh Patel 04/12/2024

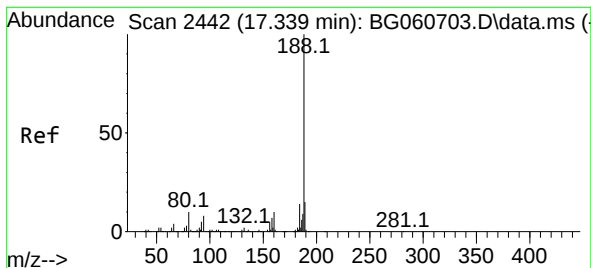
Supervised By :mohammad ahmed 04/12/2024



#45
2-Fluorobiphenyl
Concen: 6.513 ng
RT: 13.200 min Scan# 1738
Delta R.T. -0.020 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

Tgt Ion:172 Resp: 78453
Ion Ratio Lower Upper
172 100
171 34.8 28.7 43.1
170 23.0 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.325 min Scan# 2442

Delta R.T. -0.014 min

Lab File: BG060855.D

Acq: 10 Apr 2024 18:34

Instrument :

BNA_G

ClientSampleId :

OK-02-040924

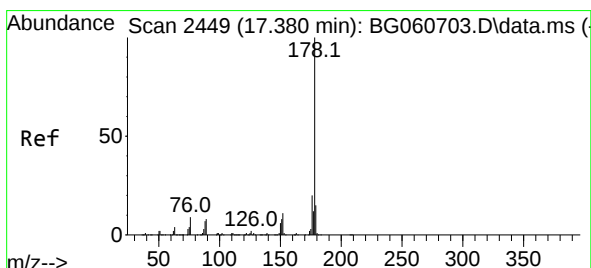
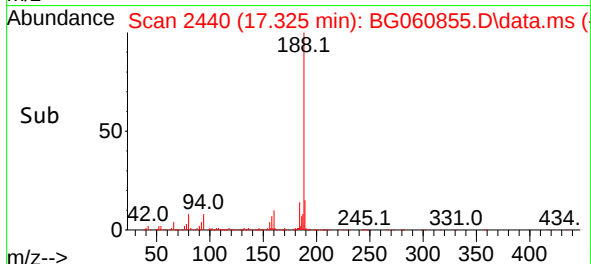
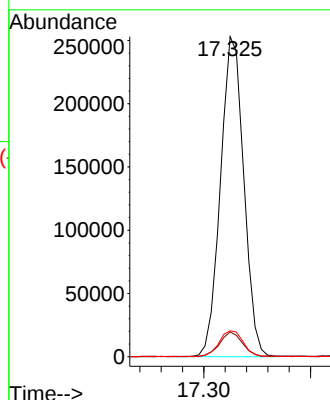
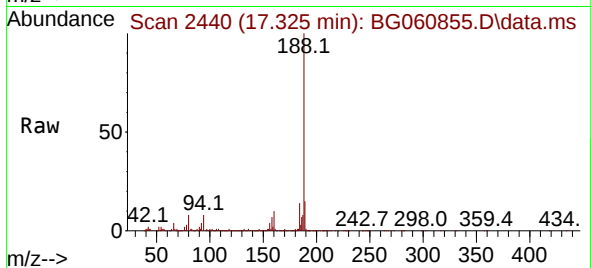
Tgt Ion:188 Resp: 38353
 Ion Ratio Lower Upper
 188 100
 94 7.8 6.6 9.8
 80 8.1 7.6 11.4

Manual Integrations

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Reviewed By :Yogesh Patel 04/12/2024

Supervised By :mohammad ahmed 04/12/2024



#71

Phenanthrene

Concen: 4.588 ng

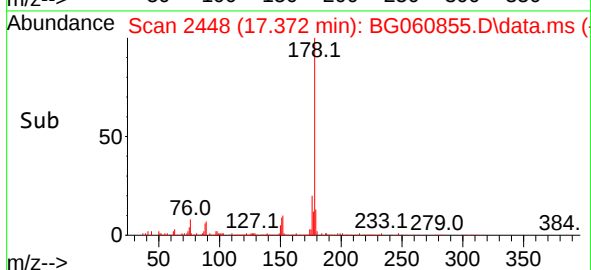
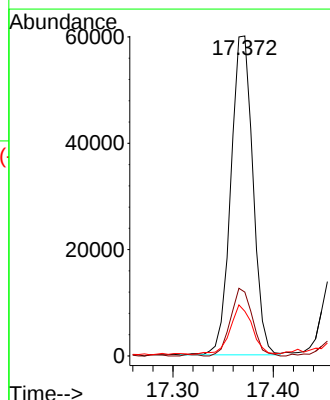
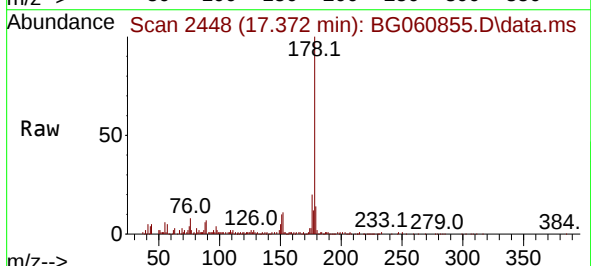
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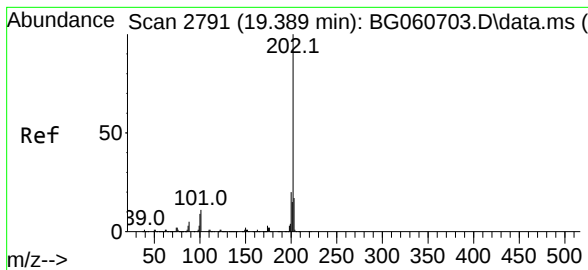
Delta R.T. -0.008 min

Lab File: BG060855.D

Acq: 10 Apr 2024 18:34

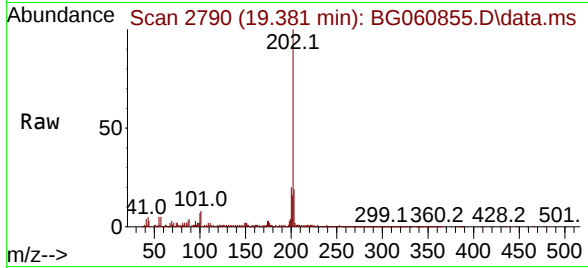
Tgt Ion:178 Resp: 91510
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.8 23.6
 179 13.9 12.2 18.4





#75
Fluoranthene
Concen: 8.539 ng
RT: 19.381 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

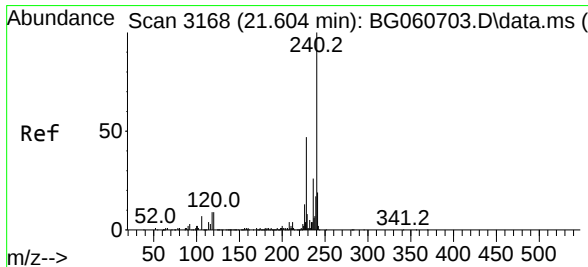
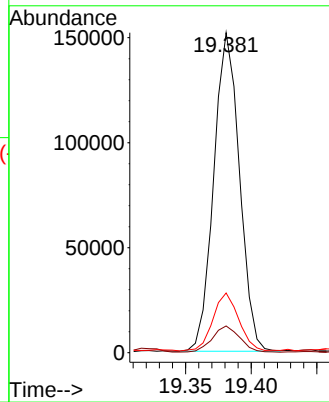
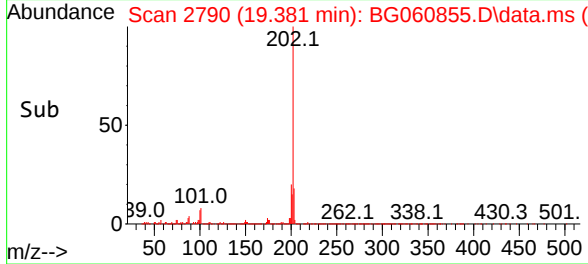
Instrument :
BNA_G
ClientSampleId :
OK-02-040924



Tgt Ion:202 Resp: 206689
Ion Ratio Lower Upper
202 100
101 8.3 0.0 30.8
203 18.6 0.0 37.4

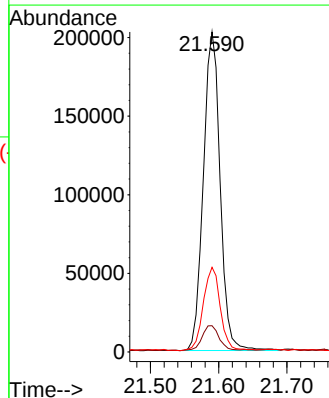
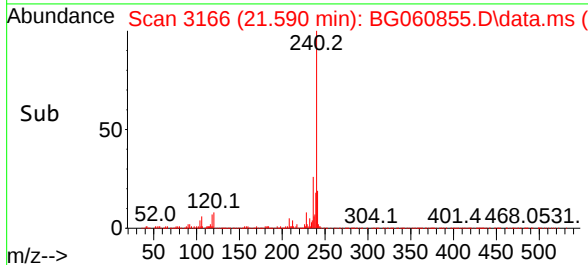
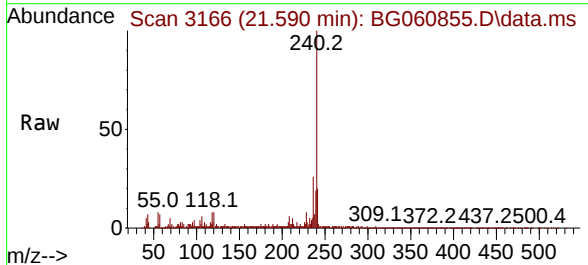
Manual Integrations
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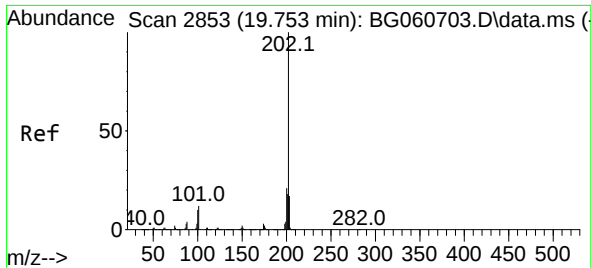
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/12/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.590 min Scan# 3166
Delta R.T. -0.014 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

Tgt Ion:240 Resp: 346816
Ion Ratio Lower Upper
240 100
120 8.2 7.1 10.7
236 26.4 20.7 31.1





#78
Pyrene
Concen: 7.878 ng
RT: 19.745 min Scan# 2852
Delta R.T. -0.008 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

Instrument :

BNA_G

ClientSampleId :

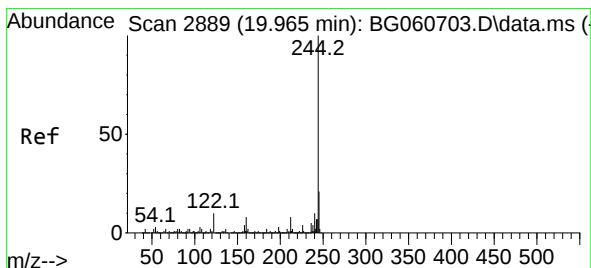
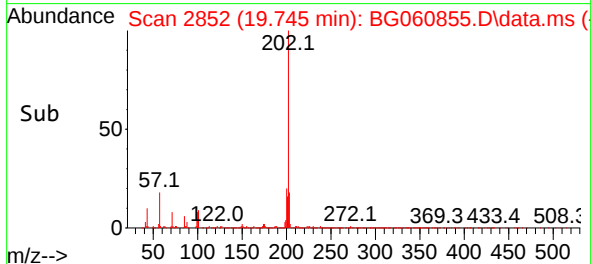
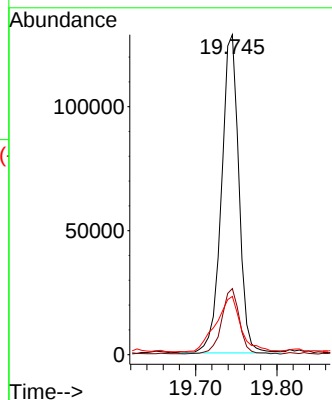
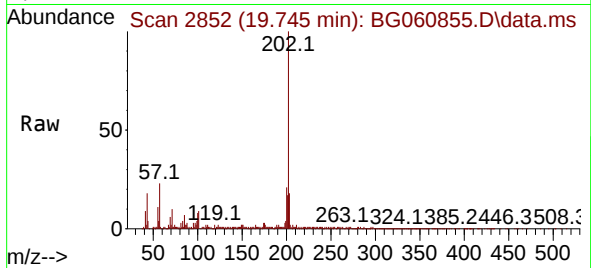
OK-02-040924

Tgt Ion:202 Resp: 191092
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.4
203 18.2 14.0 21.0

Manual Integrations

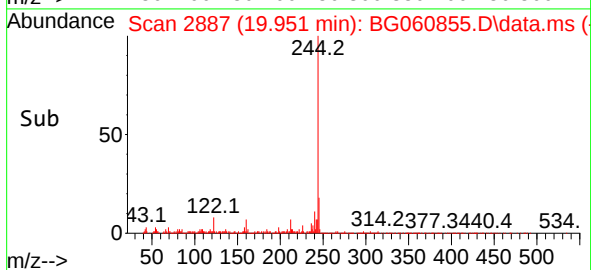
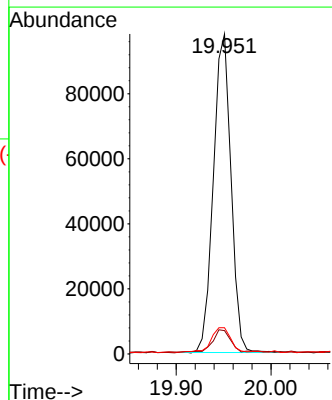
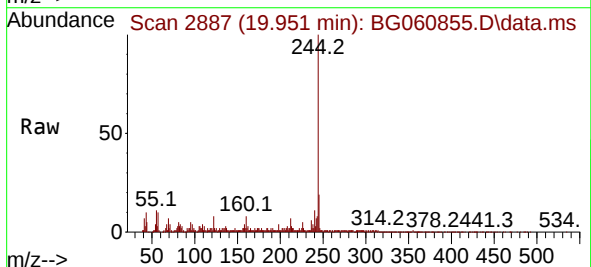
APPROVED

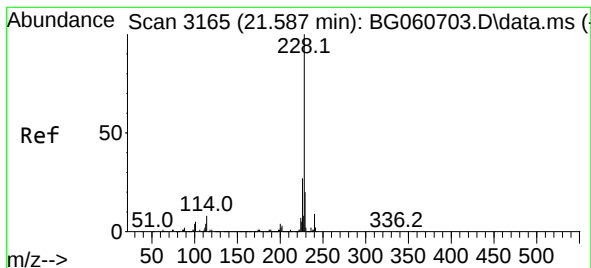
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/12/2024



#79
Terphenyl-d14
Concen: 6.397 ng
RT: 19.951 min Scan# 2887
Delta R.T. -0.014 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

Tgt Ion:244 Resp: 125999
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.2
122 8.2 7.8 11.8





#81

Benzo(a)anthracene

Concen: 4.324 ng

RT: 21.572 min Scan# 3163

Delta R.T. -0.014 min

Lab File: BG060855.D

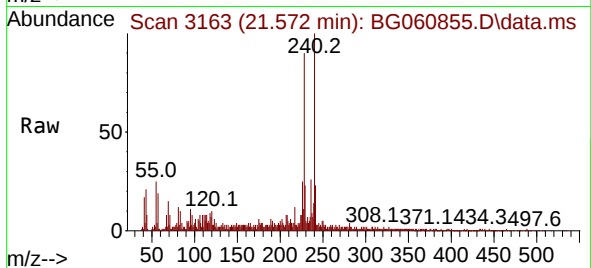
Acq: 10 Apr 2024 18:34

Instrument :

BNA_G

ClientSampleId :

OK-02-040924



Tgt Ion:228 Resp: 10570

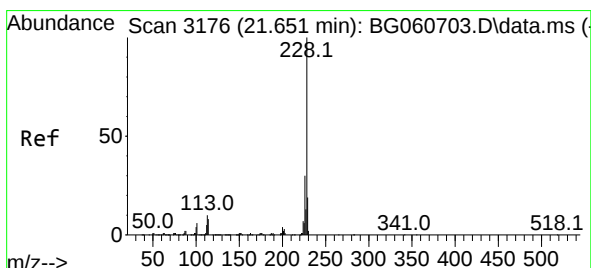
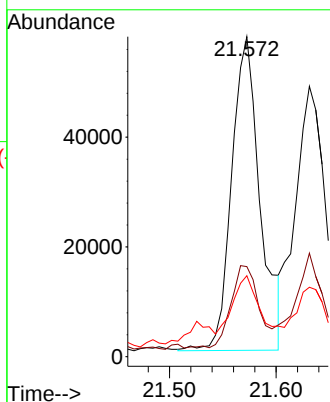
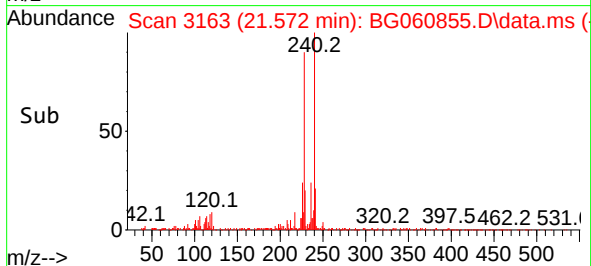
Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.7	32.5
229	25.3	15.8	23.8

Manual Integrations

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Reviewed By :Yogesh Patel 04/12/2024

Supervised By :mohammad ahmed 04/12/2024



#83

Chrysene

Concen: 4.043 ng

RT: 21.631 min Scan# 3173

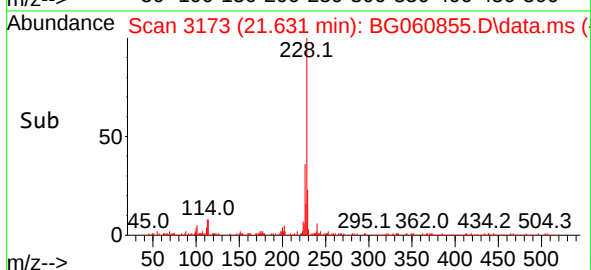
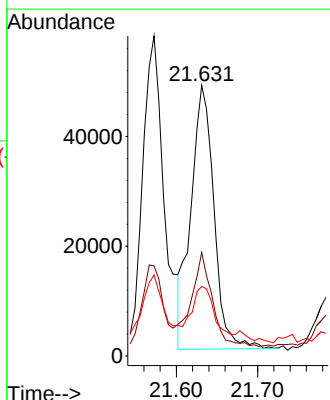
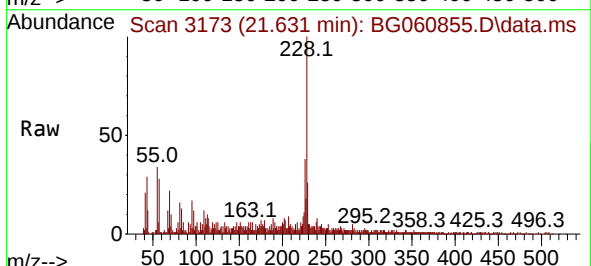
Delta R.T. -0.020 min

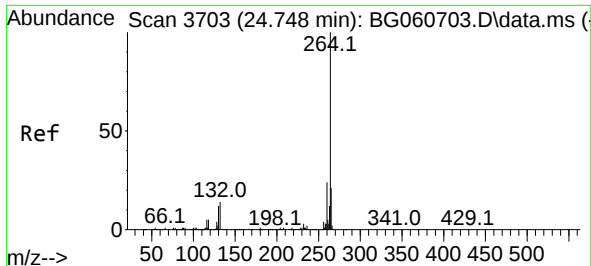
Lab File: BG060855.D

Acq: 10 Apr 2024 18:34

Tgt Ion:228 Resp: 95269

Ion	Ratio	Lower	Upper
228	100		
226	38.3	24.2	36.4#
229	25.7	15.5	23.3#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.733 min Scan# 31
 Delta R.T. -0.014 min
 Lab File: BG060855.D
 Acq: 10 Apr 2024 18:34

Instrument :

BNA_G

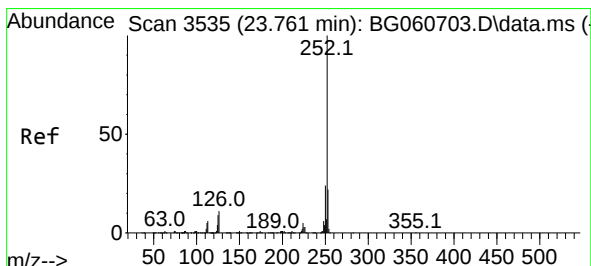
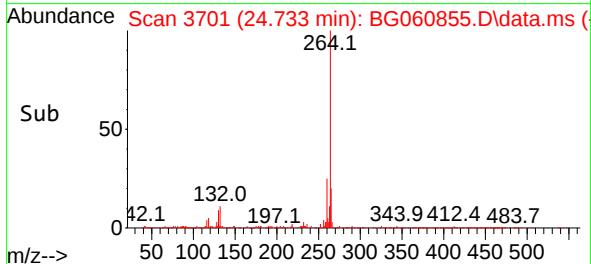
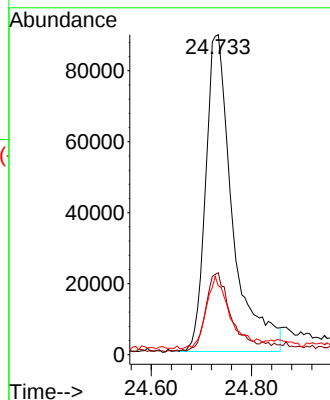
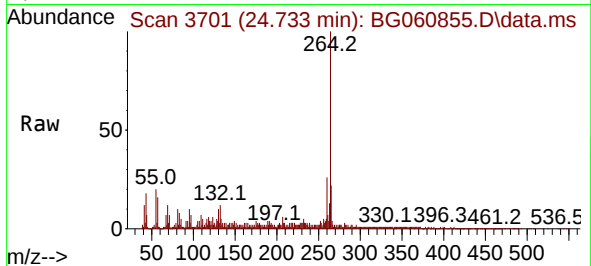
ClientSampleId :

OK-02-040924

Tgt Ion:264 Resp: 33225
 Ion Ratio Lower Upper
 264 100
 260 25.6 19.5 29.3
 265 21.6 16.9 25.3

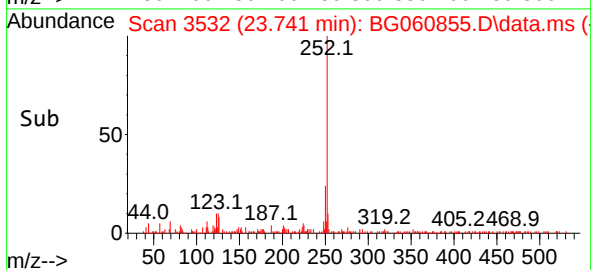
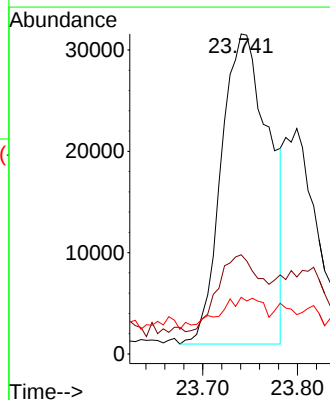
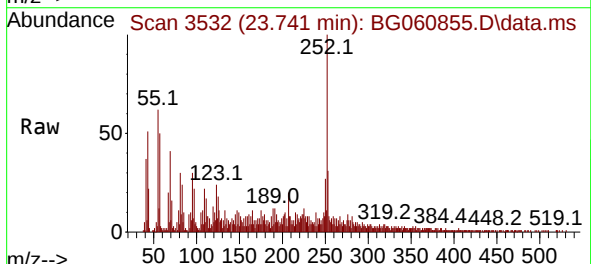
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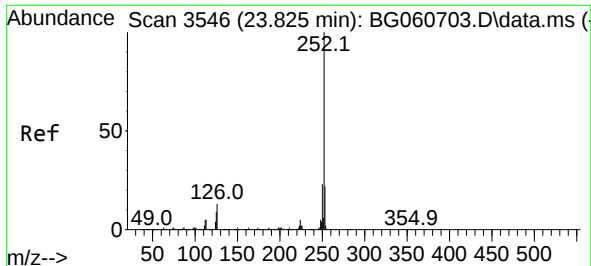
Reviewed By :Yogesh Patel 04/12/2024
 Supervised By :mohammad ahmed 04/12/2024



#88
 Benzo(b)fluoranthene
 Concen: 5.627 ng
 RT: 23.741 min Scan# 3532
 Delta R.T. -0.020 min
 Lab File: BG060855.D
 Acq: 10 Apr 2024 18:34

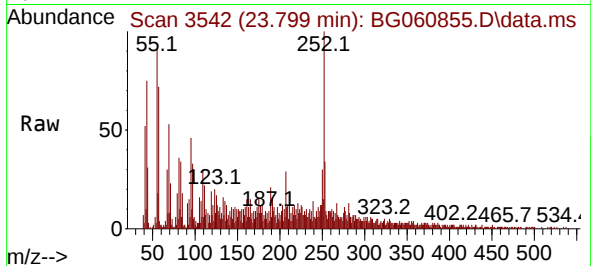
Tgt Ion:252 Resp: 107403
 Ion Ratio Lower Upper
 252 100
 253 31.0 17.8 26.8#
 125 17.7 7.1 10.7#





#89
Benzo(k)fluoranthene
Concen: 2.376 ng m
RT: 23.799 min Scan# 3546
Delta R.T. -0.026 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

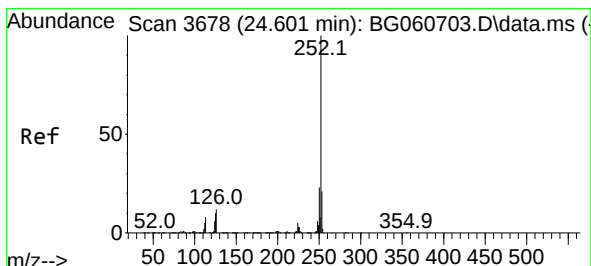
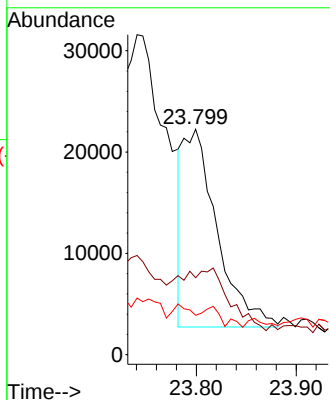
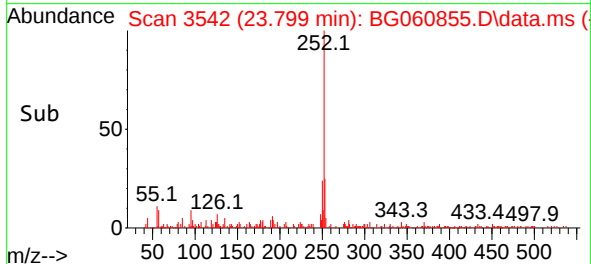
Instrument :
BNA_G
ClientSampleId :
OK-02-040924



Tgt Ion:252 Resp: 46424
Ion Ratio Lower Upper
252 100
253 34.1 17.6 26.4#
125 17.5 7.5 11.3#

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



#90
Benzo(a)pyrene
Concen: 4.140 ng
RT: 24.587 min Scan# 3676
Delta R.T. -0.014 min
Lab File: BG060855.D
Acq: 10 Apr 2024 18:34

Tgt Ion:252 Resp: 76794
Ion Ratio Lower Upper
252 100
253 29.5 16.8 25.2#
125 18.8 7.6 11.4#

