

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080123\
 Data File : BM041222.D
 Acq On : 01 Aug 2023 13:26
 Operator : MA/JU
 Sample : 03812-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/02/2023
 Supervised By :mohammad ahmed 08/02/2023

Quant Time: Aug 01 13:56:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 31 16:29:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.798	152	160092	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	606039	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	363069	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	780892	20.000	ng	0.00
76) Chrysene-d12	21.427	240	694805	20.000	ng	0.00
86) Perylene-d12	23.797	264	804854	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	307516	28.709	ng	0.00
7) Phenol-d6	6.981	99	397920	28.659	ng	0.00
23) Nitrobenzene-d5	8.975	82	276669	21.230	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	182645	35.566	ng	0.00
45) 2-Fluorobiphenyl	13.080	172	586515	20.407	ng	0.00
79) Terphenyl-d14	19.862	244	780601	20.313	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.186	152	79089	2.230	ng	99
71) Phenanthrene	17.268	178	179466	4.136	ng	# 94
72) Anthracene	17.357	178	98738	2.301	ng	# 90
75) Fluoranthene	19.292	202	506338	10.388	ng	96
78) Pyrene	19.656	202	445606	9.171	ng	96
81) Benzo(a)anthracene	21.415	228	210777	4.475	ng	94
83) Chrysene	21.462	228	262040	5.752	ng	96
84) Bis(2-ethylhexyl)phtha...	21.333	149	26610	3.434	ng	# 85
87) Indeno(1,2,3-cd)pyrene	26.238	276	149575	2.528	ng	# 93
88) Benzo(b)fluoranthene	23.080	252	346657	7.250	ng	97
89) Benzo(k)fluoranthene	23.121	252	116704m	2.386	ng	
90) Benzo(a)pyrene	23.691	252	174476	3.798	ng	96
92) Benzo(g,h,i)perylene	26.997	276	143082	2.963	ng	97

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

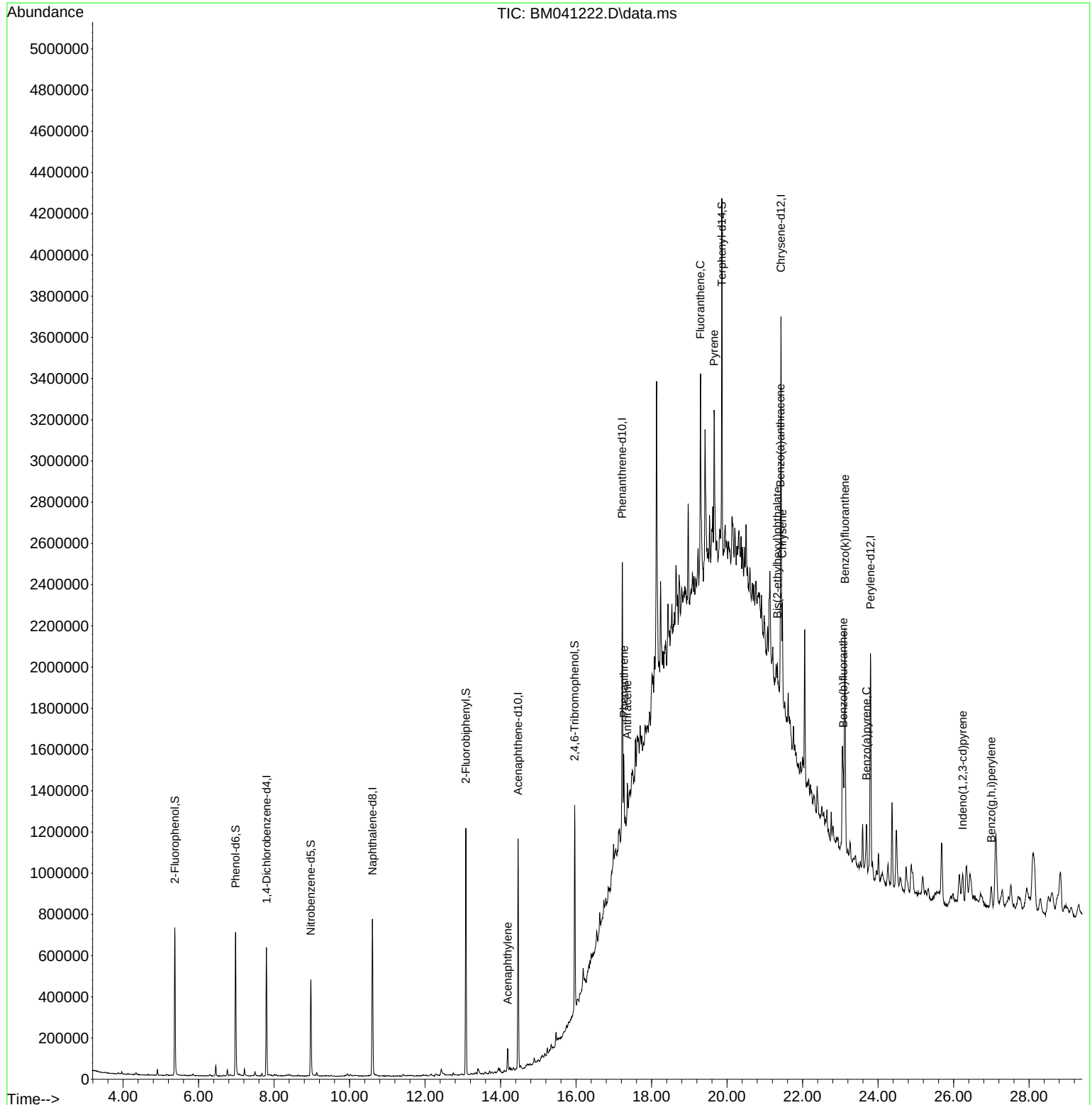
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080123\
Data File : BM041222.D
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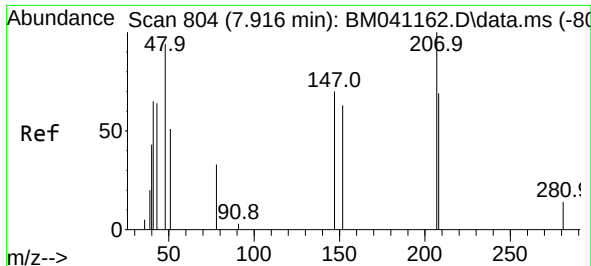
Instrument :
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Quant Time: Aug 01 13:56:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 31 16:29:28 2023
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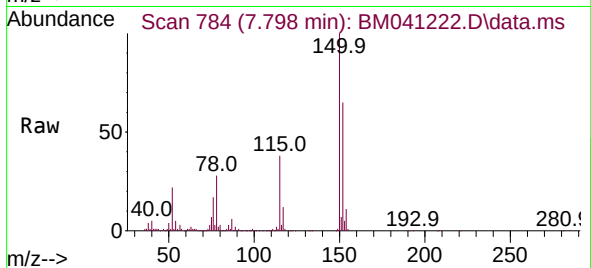
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.798 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM041222.D
Acq: 01 Aug 2023 13:26

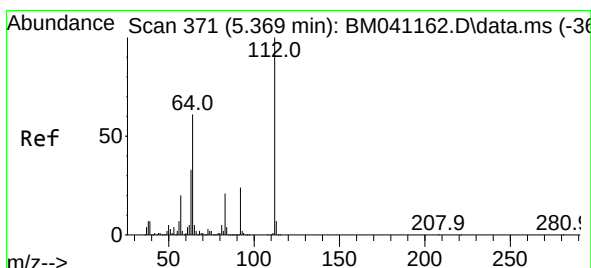
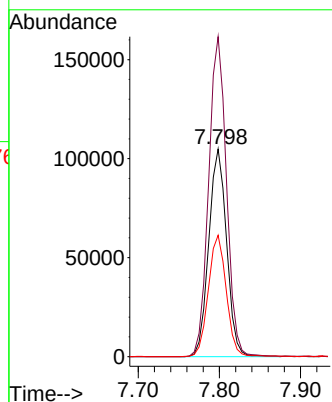
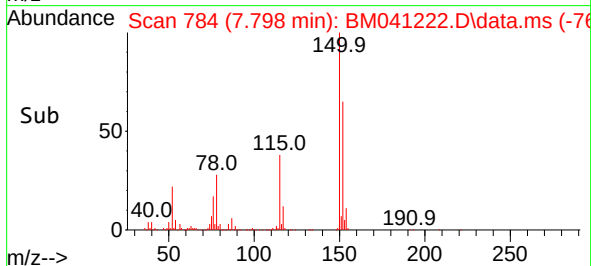
Instrument :
BNA_M
ClientSampleId :
WC-1



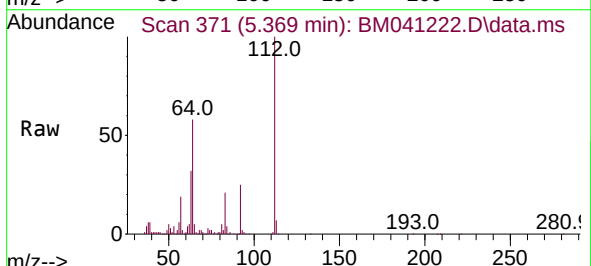
Tgt Ion:152 Resp: 160092
Ion Ratio Lower Upper
152 100
150 154.0 125.5 188.3
115 58.5 48.0 72.0

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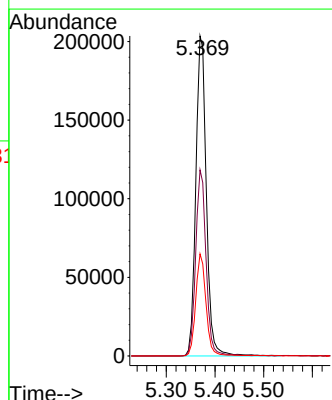
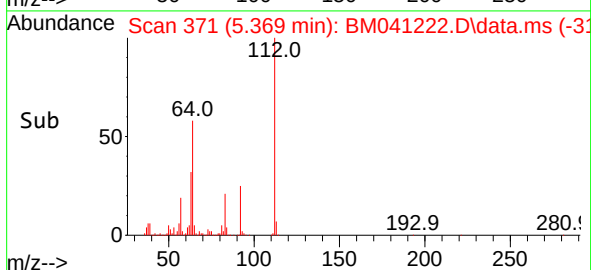
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023

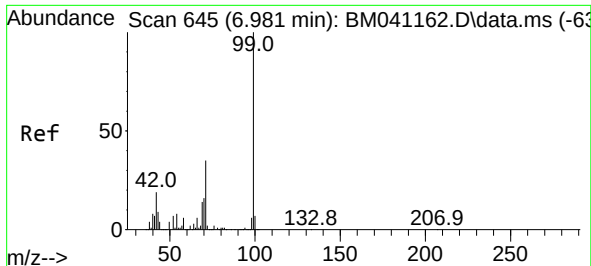


#5
2-Fluorophenol
Concen: 28.709 ng
RT: 5.369 min Scan# 371
Delta R.T. 0.006 min
Lab File: BM041222.D
Acq: 01 Aug 2023 13:26



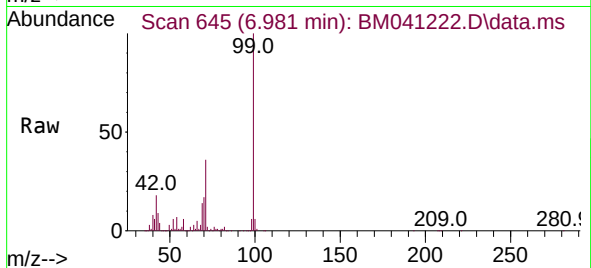
Tgt Ion:112 Resp: 307516
Ion Ratio Lower Upper
112 100
64 58.1 48.5 72.7
63 31.9 26.5 39.7





#7
Phenol-d6
Concen: 28.659 ng
RT: 6.981 min Scan# 645
Delta R.T. 0.006 min
Lab File: BM041222.D
Acq: 01 Aug 2023 13:26

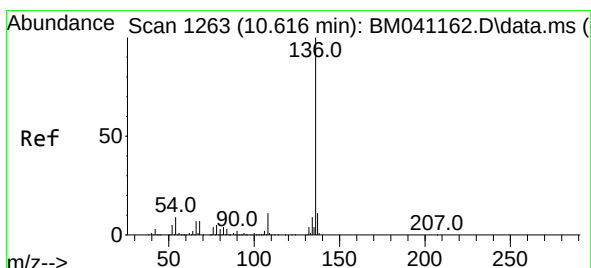
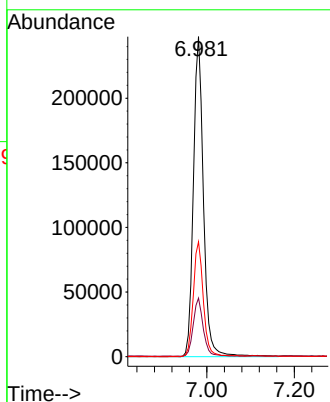
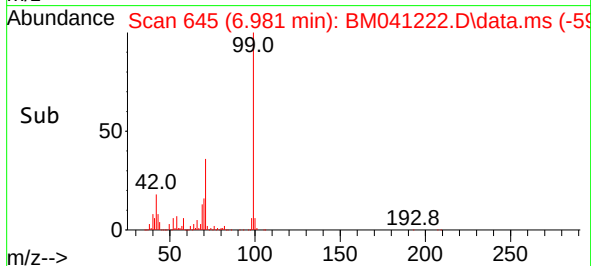
Instrument :
BNA_M
ClientSampleId :
WC-1



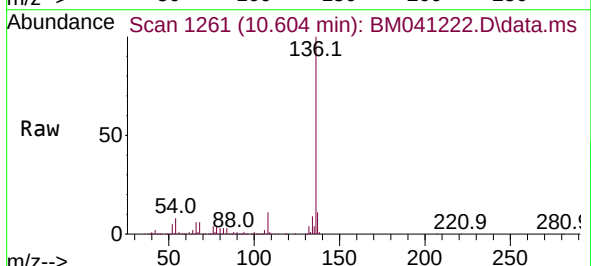
Tgt Ion: 99 Resp: 397920
Ion Ratio Lower Upper
99 100
42 18.3 15.4 23.0
71 35.9 28.2 42.4

Manual Integrations
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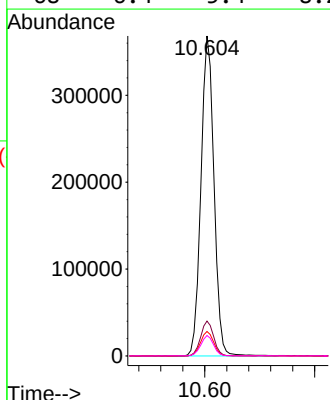
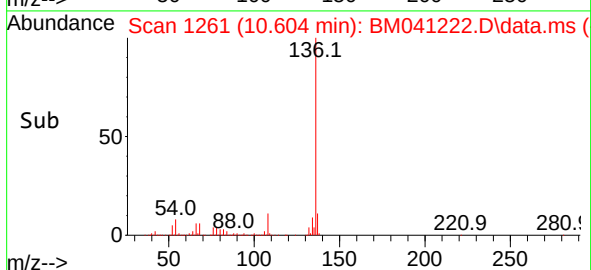
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023

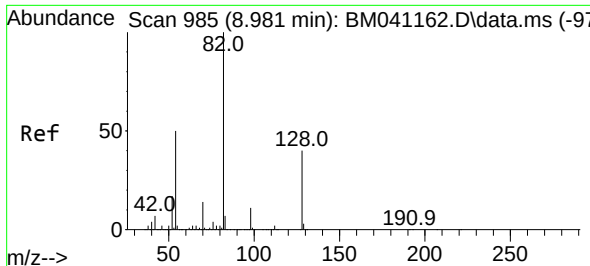


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1261
Delta R.T. 0.000 min
Lab File: BM041222.D
Acq: 01 Aug 2023 13:26



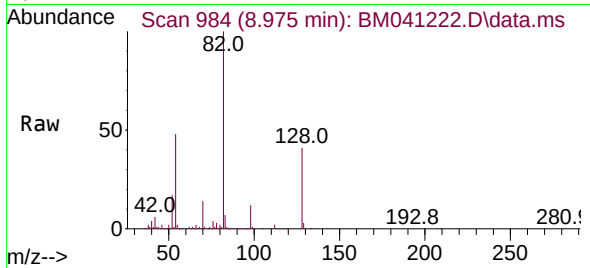
Tgt Ion:136 Resp: 606039
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.6 6.9 10.3
68 6.4 5.4 8.2





#23
Nitrobenzene-d5
Concen: 21.230 ng
RT: 8.975 min Scan# 984
Delta R.T. 0.000 min
Lab File: BM041222.D
Acq: 01 Aug 2023 13:26

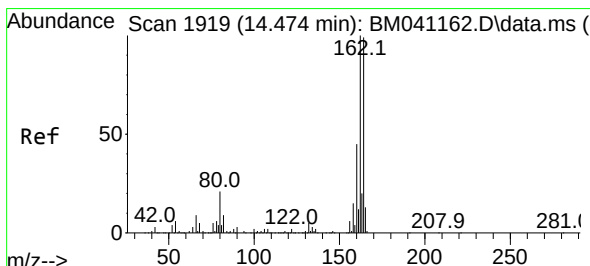
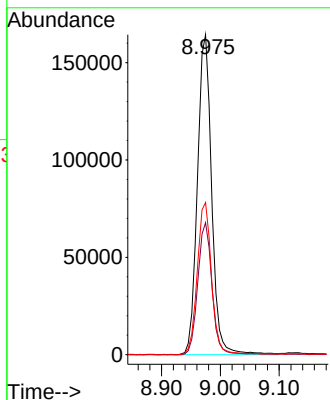
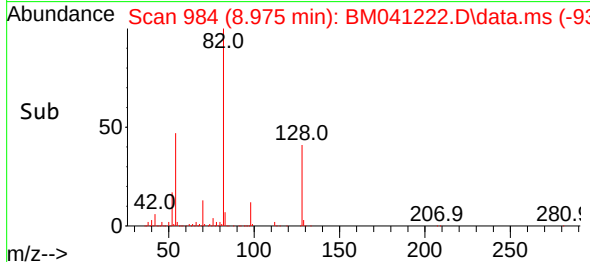
Instrument :
BNA_M
ClientSampleId :
WC-1



Tgt Ion: 82 Resp: 276669
Ion Ratio Lower Upper
82 100
128 41.3 31.8 47.6
54 47.6 40.1 60.1

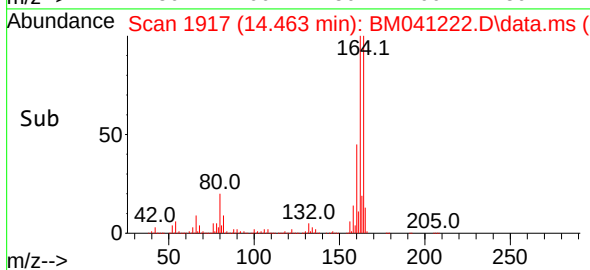
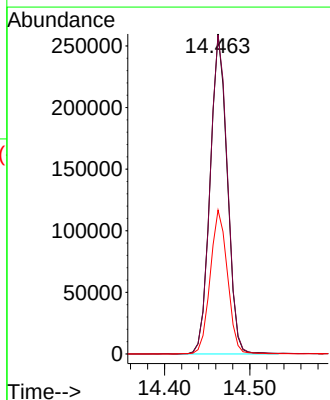
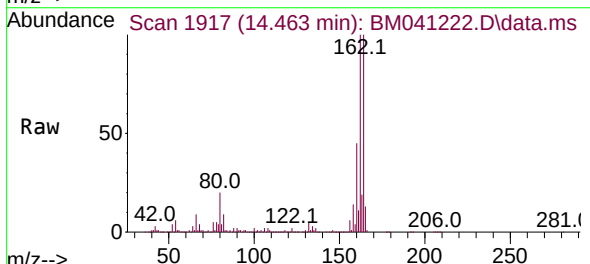
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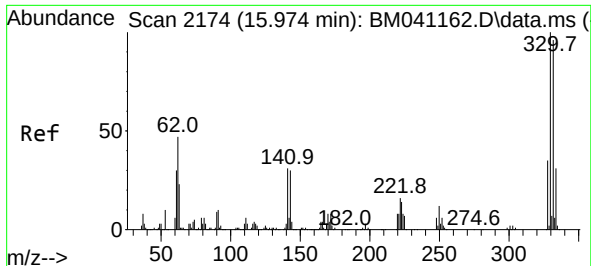
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BM041222.D
Acq: 01 Aug 2023 13:26

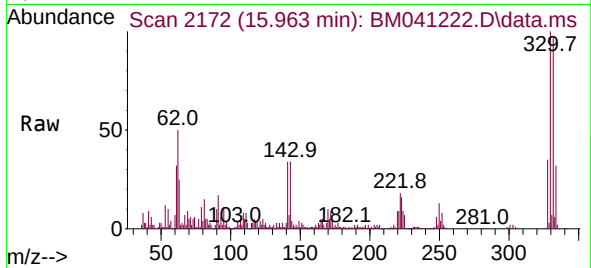
Tgt Ion:164 Resp: 363069
Ion Ratio Lower Upper
164 100
162 99.7 80.4 120.6
160 45.0 36.2 54.2





#42
2,4,6-Tribromophenol
Concen: 35.566 ng
RT: 15.963 min Scan# 2174
Delta R.T. 0.000 min
Lab File: BM041222.D
Acq: 01 Aug 2023 13:26

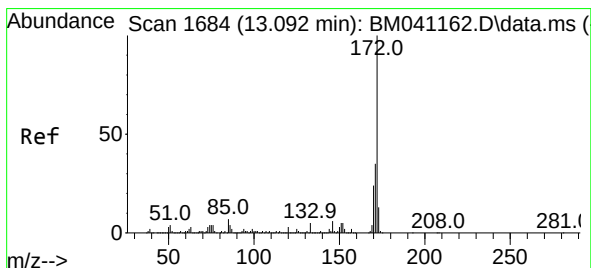
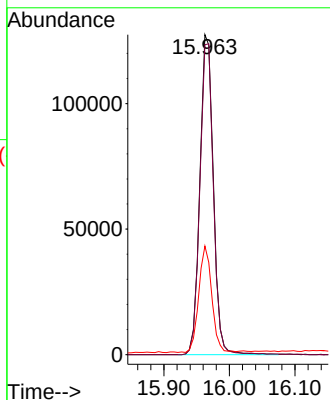
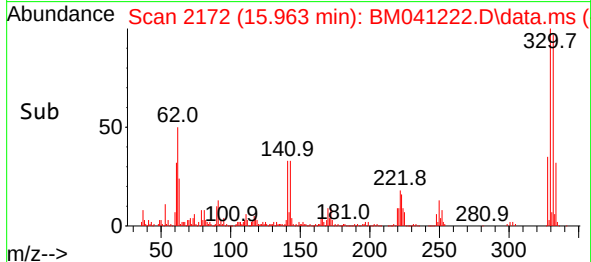
Instrument :
BNA_M
ClientSampleId :
WC-1



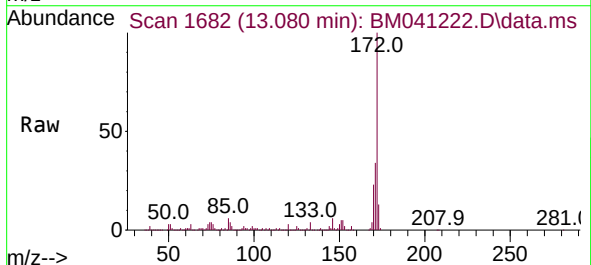
Tgt Ion:330 Resp: 182645
Ion Ratio Lower Upper
330 100
332 97.6 77.7 116.5
141 32.2 28.3 42.5

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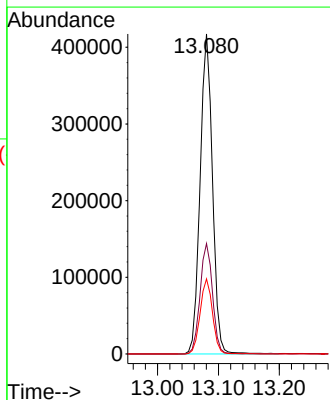
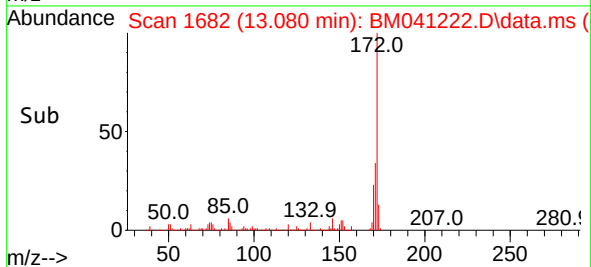
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023

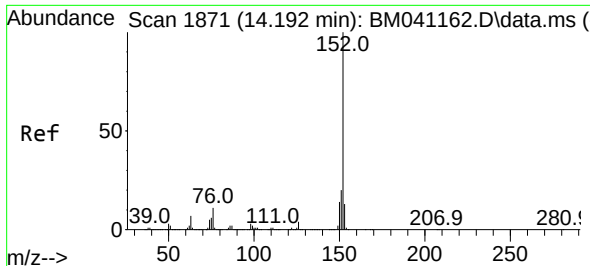


#45
2-Fluorobiphenyl
Concen: 20.407 ng
RT: 13.080 min Scan# 1682
Delta R.T. -0.006 min
Lab File: BM041222.D
Acq: 01 Aug 2023 13:26



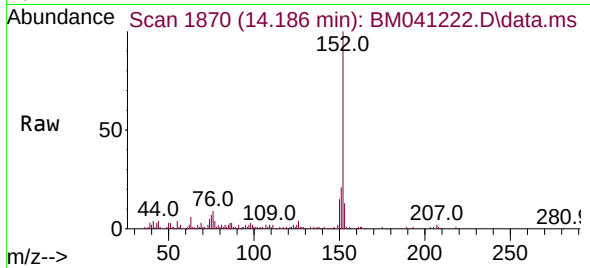
Tgt Ion:172 Resp: 586515
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 23.4 18.9 28.3





#49
Acenaphthylene
Concen: 2.230 ng
RT: 14.186 min Scan# 1870
Delta R.T. 0.000 min
Lab File: BM041222.D
Acq: 01 Aug 2023 13:26

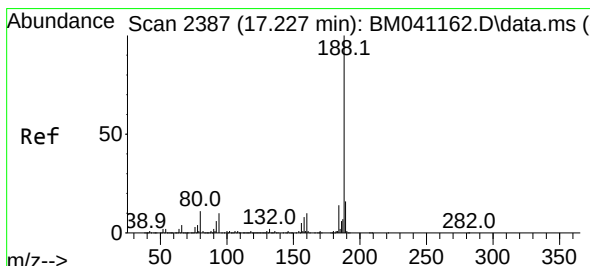
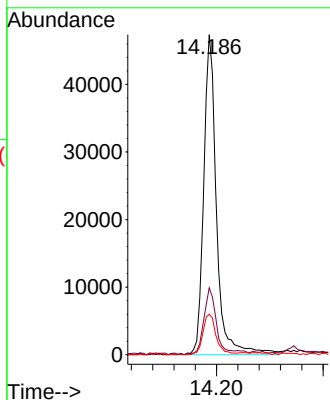
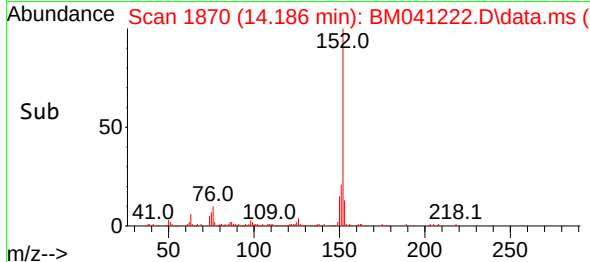
Instrument :
BNA_M
ClientSampleId :
WC-1



Tgt Ion:152 Resp: 79089
Ion Ratio Lower Upper
152 100
151 20.9 16.1 24.1
153 12.7 10.5 15.7

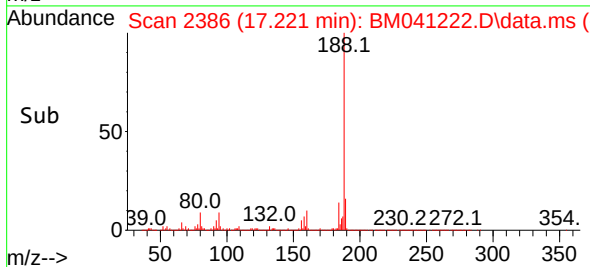
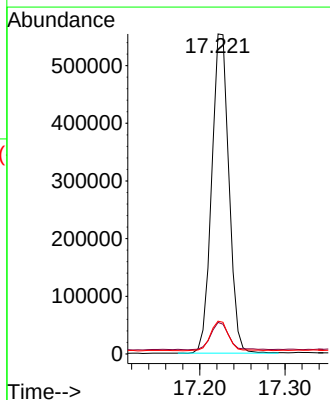
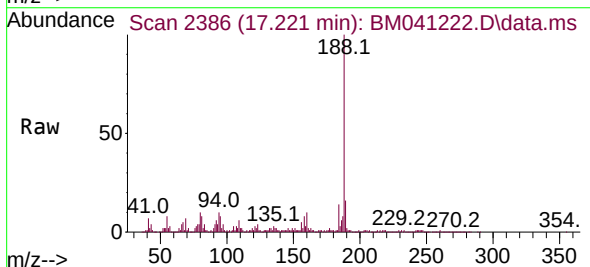
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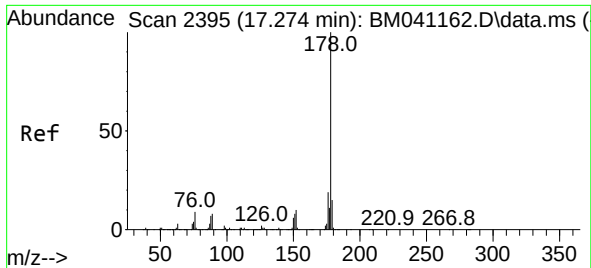
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2386
Delta R.T. 0.000 min
Lab File: BM041222.D
Acq: 01 Aug 2023 13:26

Tgt Ion:188 Resp: 780892
Ion Ratio Lower Upper
188 100
94 9.8 8.2 12.2
80 10.2 8.6 13.0





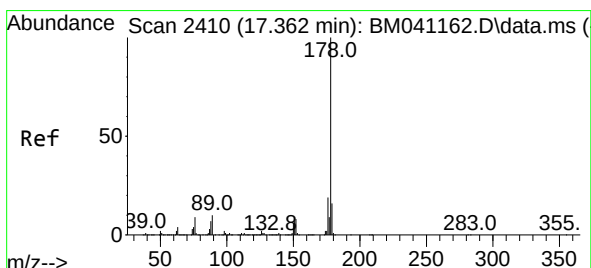
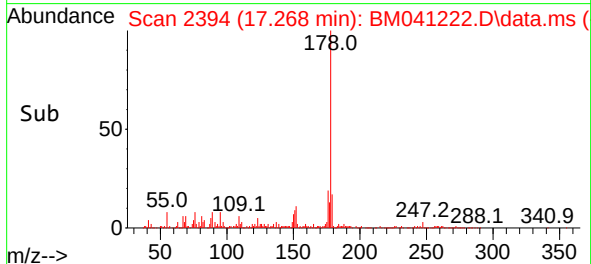
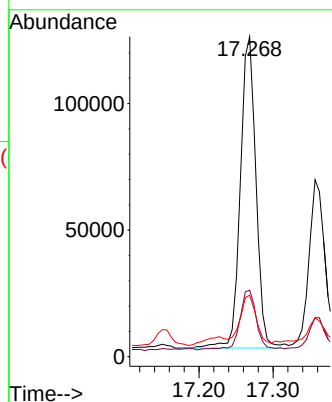
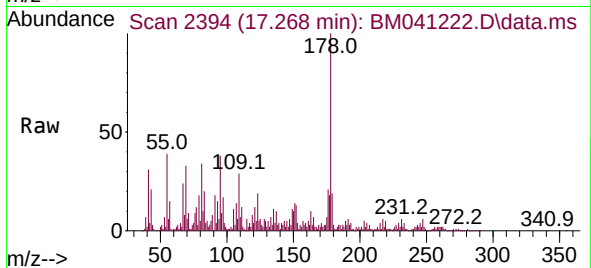
#71
Phenanthrene
Concen: 4.136 ng
RT: 17.268 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM041222.D
Acq: 01 Aug 2023 13:26

Instrument :
BNA_M
ClientSampleId :
WC-1

Tgt Ion:178 Resp: 179460
Ion Ratio Lower Upper
178 100
176 20.8 15.6 23.4
179 19.2 12.1 18.1

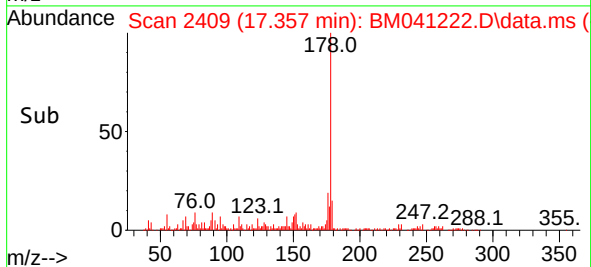
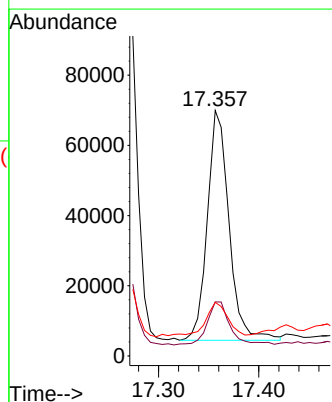
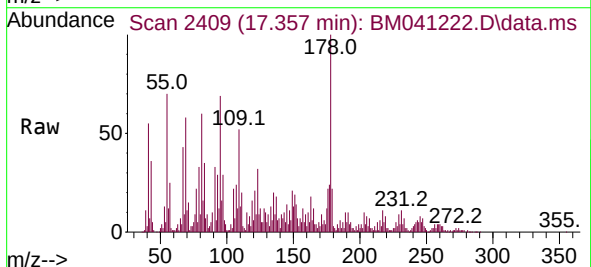
Manual Integrations
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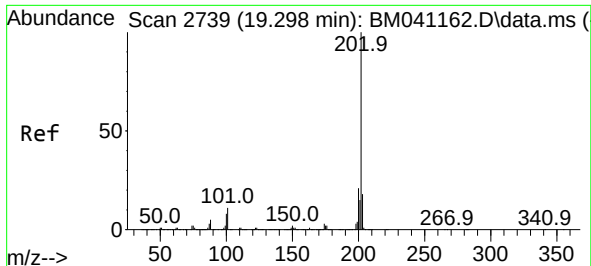
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023



#72
Anthracene
Concen: 2.301 ng
RT: 17.357 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BM041222.D
Acq: 01 Aug 2023 13:26

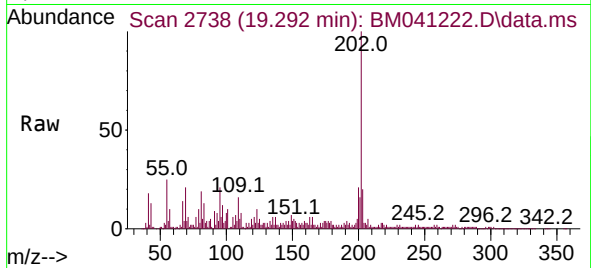
Tgt Ion:178 Resp: 98738
Ion Ratio Lower Upper
178 100
176 22.0 15.2 22.8
179 21.9 12.4 18.6





#75
Fluoranthene
Concen: 10.388 ng
RT: 19.292 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM041222.D
Acq: 01 Aug 2023 13:26

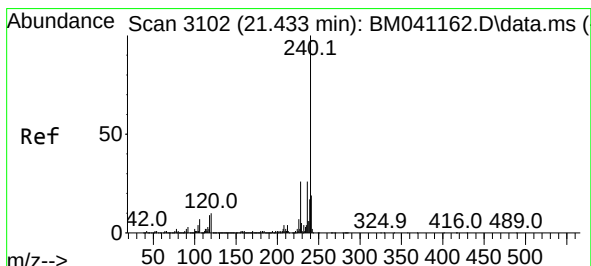
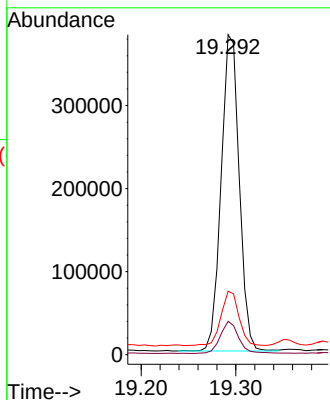
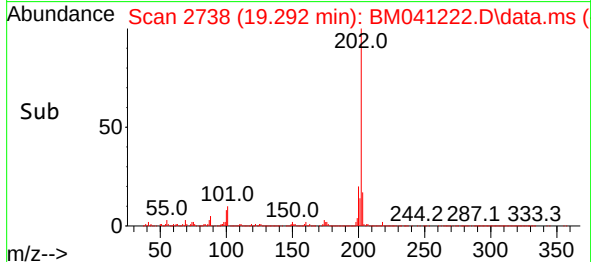
Instrument :
BNA_M
ClientSampleId :
WC-1



Tgt Ion:202 Resp: 506338
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.8
203 19.8 0.0 37.6

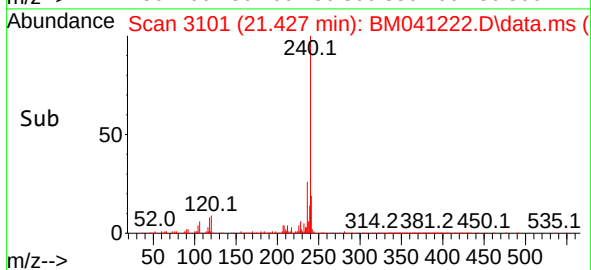
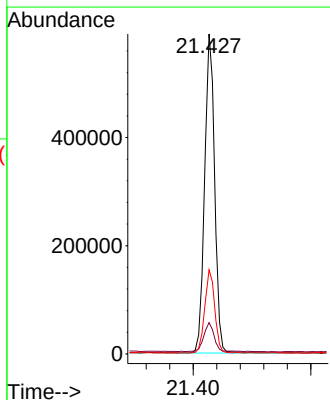
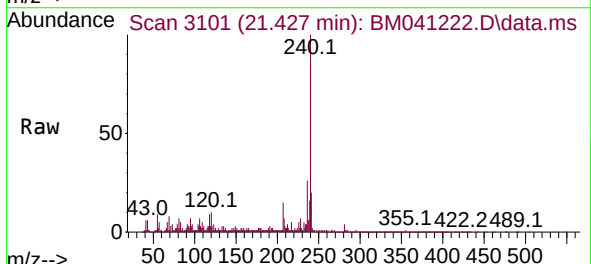
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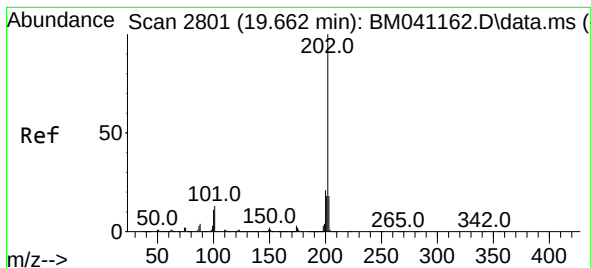
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3101
Delta R.T. 0.000 min
Lab File: BM041222.D
Acq: 01 Aug 2023 13:26

Tgt Ion:240 Resp: 694805
Ion Ratio Lower Upper
240 100
120 9.8 8.3 12.5
236 26.3 20.6 30.8





#78

Pyrene

Concen: 9.171 ng

RT: 19.656 min Scan# 2800

Delta R.T. 0.000 min

Lab File: BM041222.D

Acq: 01 Aug 2023 13:26

Instrument :

BNA_M

ClientSampleId :

WC-1

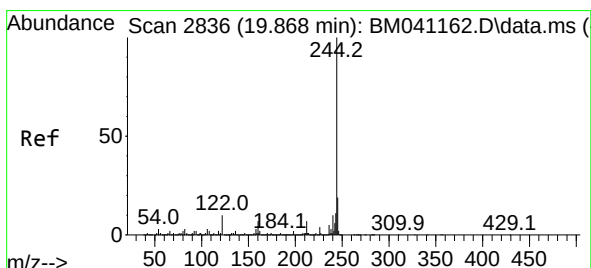
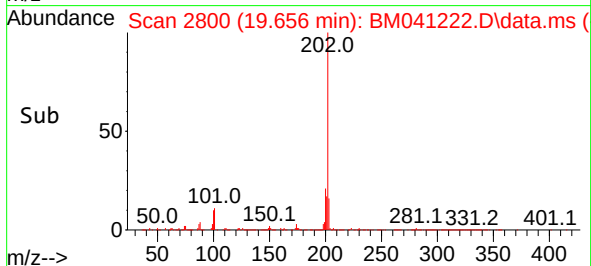
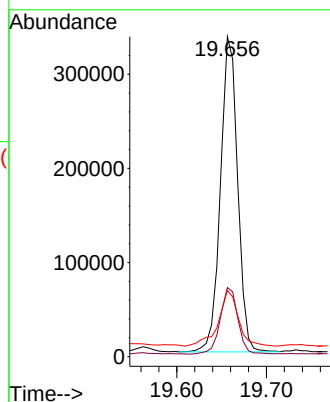
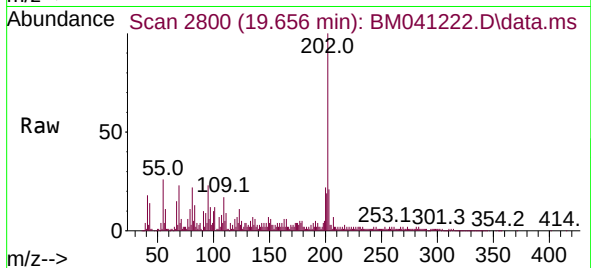
Tgt Ion:202 Resp: 445600
 Ion Ratio Lower Upper
 202 100
 200 21.6 16.9 25.3
 203 20.7 14.1 21.1

Manual Integrations

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Reviewed By :Yogesh Patel 08/02/2023

Supervised By :mohammad ahmed 08/02/2023



#79

Terphenyl-d14

Concen: 20.313 ng

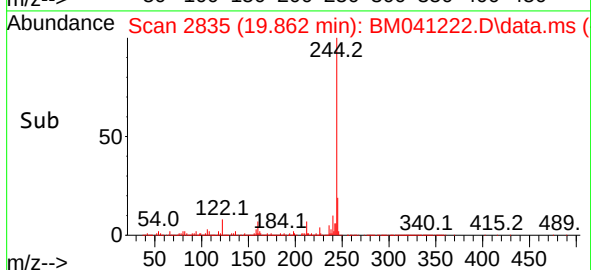
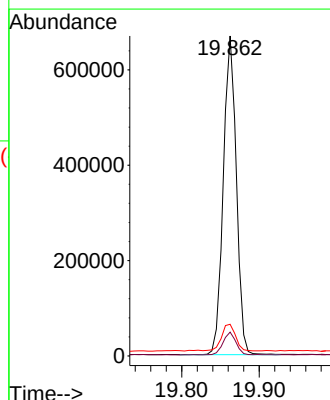
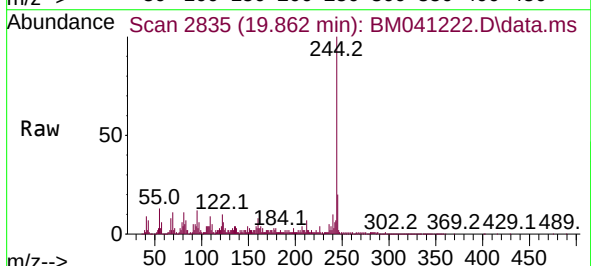
RT: 19.862 min Scan# 2835

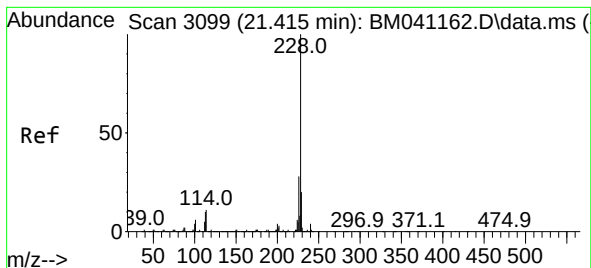
Delta R.T. 0.000 min

Lab File: BM041222.D

Acq: 01 Aug 2023 13:26

Tgt Ion:244 Resp: 780601
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.4 8.2
 122 9.9 7.8 11.6





#81

Benzo(a)anthracene

Concen: 4.475 ng

RT: 21.415 min Scan# 3099

Delta R.T. 0.006 min

Lab File: BM041222.D

Acq: 01 Aug 2023 13:26

Instrument :

BNA_M

ClientSampleId :

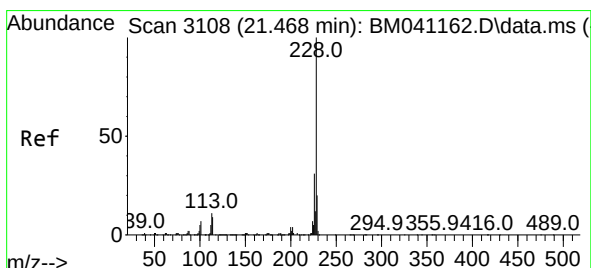
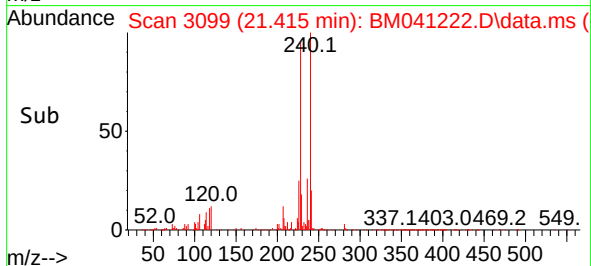
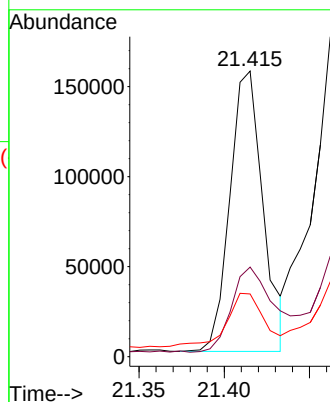
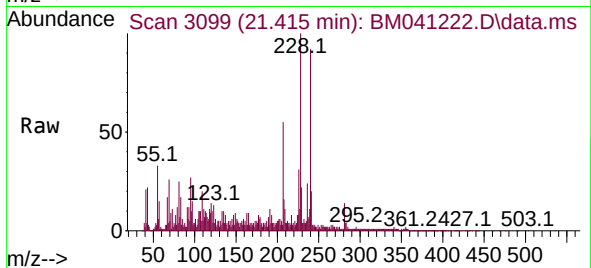
WC-1

Tgt Ion:228 Resp: 210777
 Ion Ratio Lower Upper
 228 100
 226 31.4 22.4 33.6
 229 22.0 15.8 23.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/02/2023
 Supervised By :mohammad ahmed 08/02/2023



#83

Chrysene

Concen: 5.752 ng

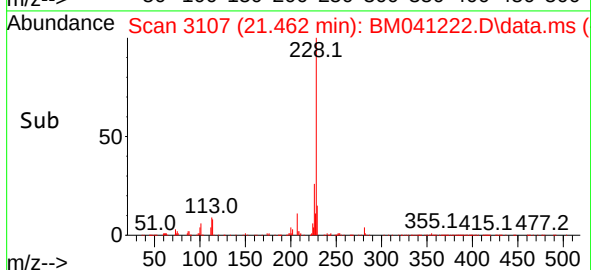
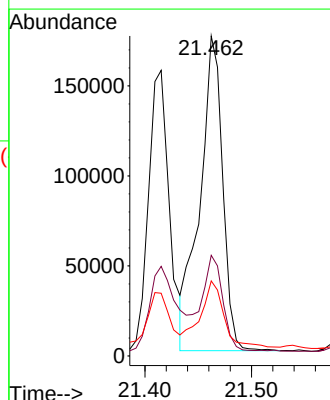
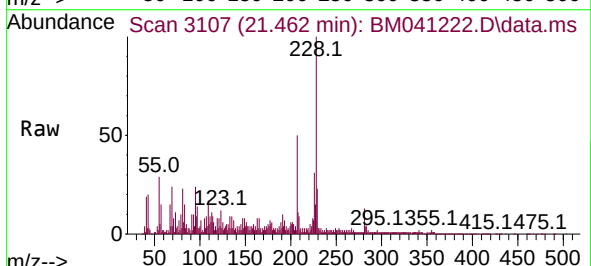
RT: 21.462 min Scan# 3107

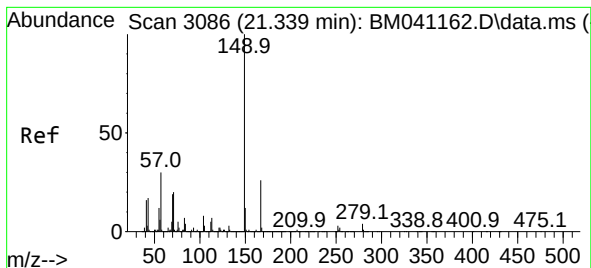
Delta R.T. 0.000 min

Lab File: BM041222.D

Acq: 01 Aug 2023 13:26

Tgt Ion:228 Resp: 262040
 Ion Ratio Lower Upper
 228 100
 226 31.5 24.5 36.7
 229 23.5 15.8 23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.434 ng

RT: 21.333 min Scan# 3085

Delta R.T. -0.006 min

Lab File: BM041222.D

Acq: 01 Aug 2023 13:26

Instrument :

BNA_M

ClientSampleId :

WC-1

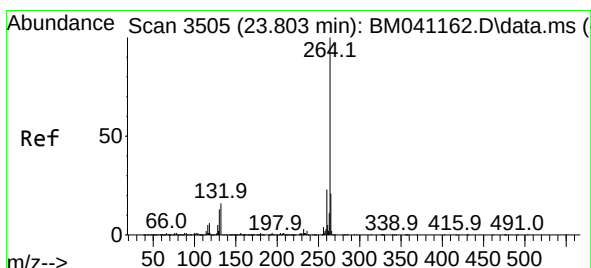
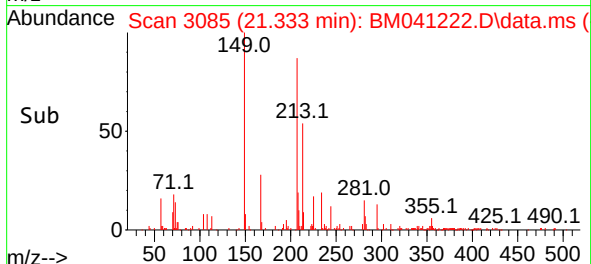
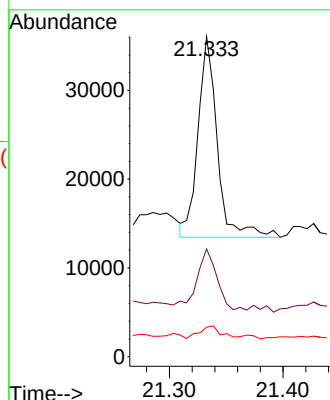
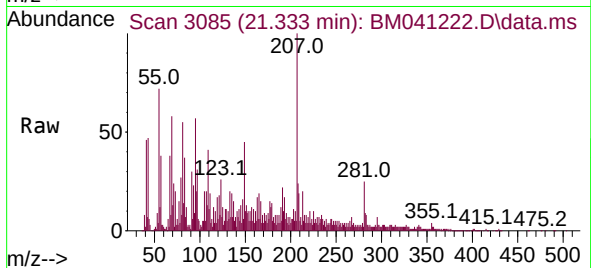
Tgt Ion:149 Resp: 26610
 Ion Ratio Lower Upper
 149 100
 167 33.6 21.0 31.6
 279 9.2 3.1 4.7

Manual Integrations

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Reviewed By :Yogesh Patel 08/02/2023

Supervised By :mohammad ahmed 08/02/2023



#86

Perylene-d12

Concen: 20.000 ng

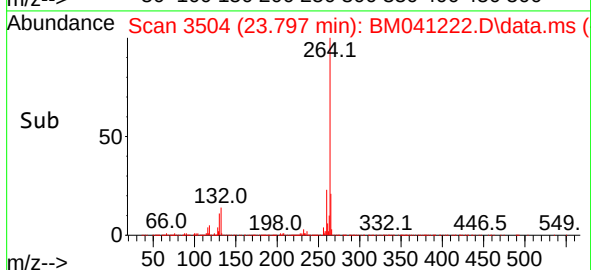
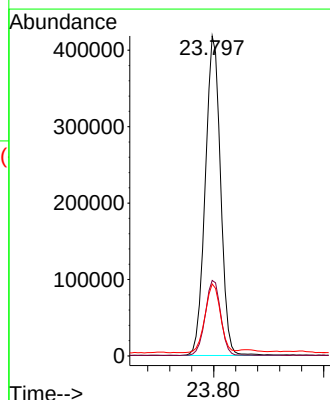
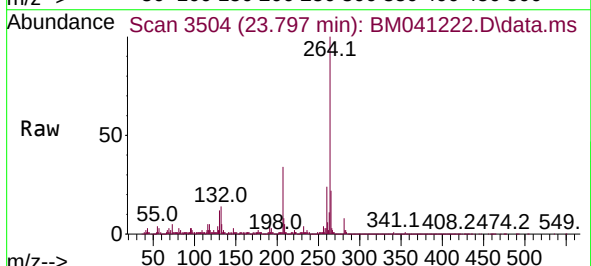
RT: 23.797 min Scan# 3504

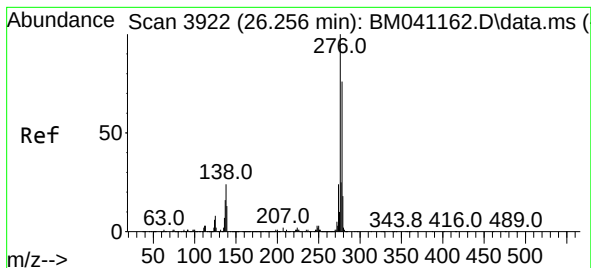
Delta R.T. 0.000 min

Lab File: BM041222.D

Acq: 01 Aug 2023 13:26

Tgt Ion:264 Resp: 804854
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.5 27.7
 265 22.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.528 ng

RT: 26.238 min Scan# 3919

Delta R.T. -0.006 min

Lab File: BM041222.D

Acq: 01 Aug 2023 13:26

Instrument :

BNA_M

ClientSampleId :

WC-1

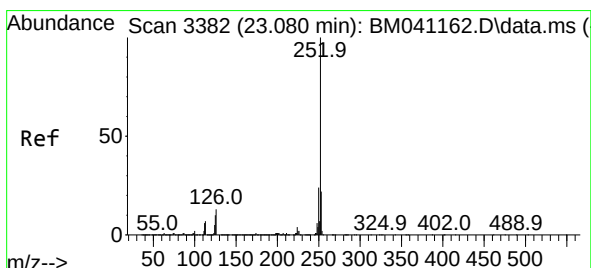
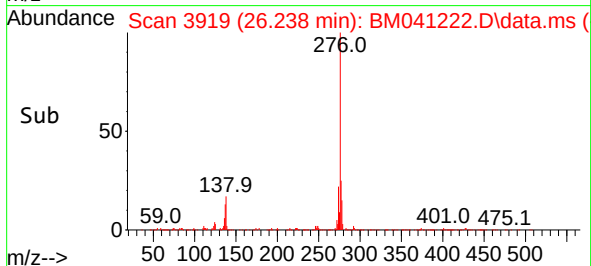
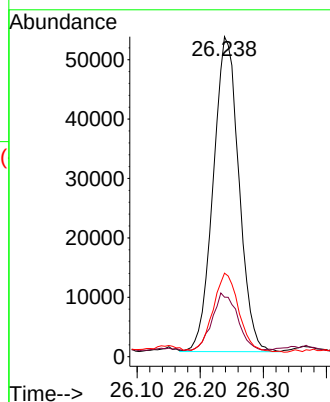
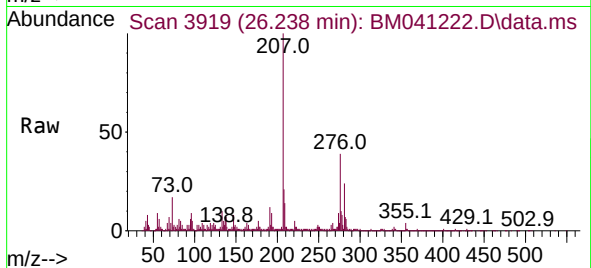
Tgt Ion:	276	Resp:	14957
Ion Ratio	Lower	Upper	
276	100		
138	18.3	20.0	30.0
277	25.2	20.1	30.1

Manual Integrations

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Reviewed By :Yogesh Patel 08/02/2023

Supervised By :mohammad ahmed 08/02/2023



#88

Benzo(b)fluoranthene

Concen: 7.250 ng

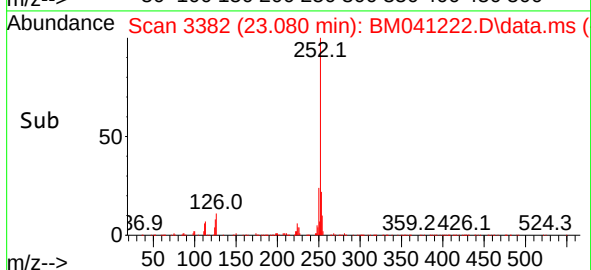
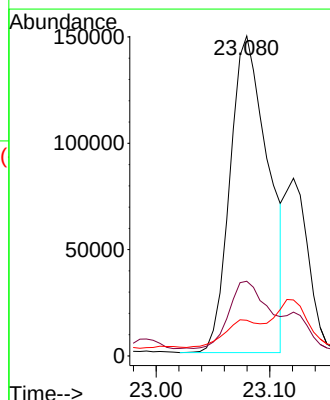
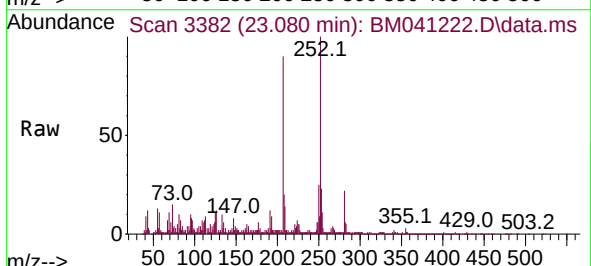
RT: 23.080 min Scan# 3382

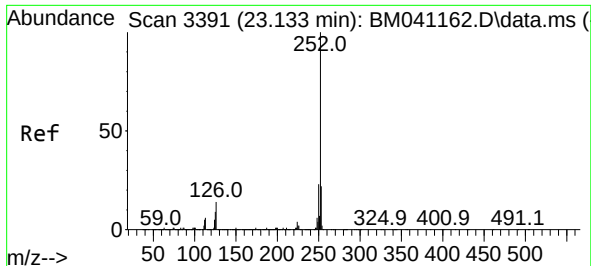
Delta R.T. 0.006 min

Lab File: BM041222.D

Acq: 01 Aug 2023 13:26

Tgt Ion:	252	Resp:	346657
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.7	26.5
125	11.2	8.2	12.4





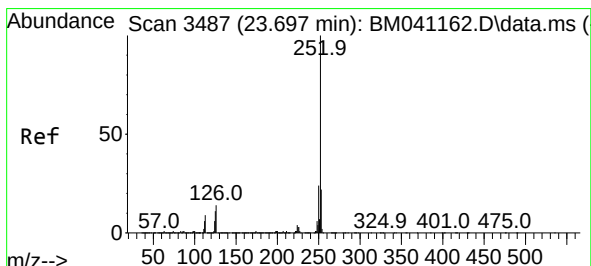
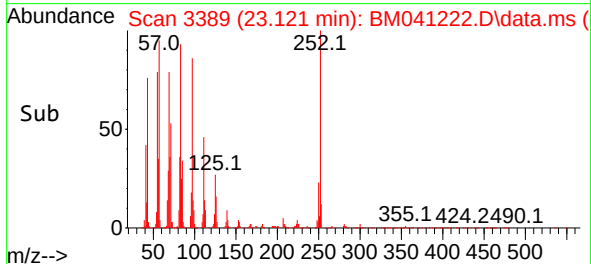
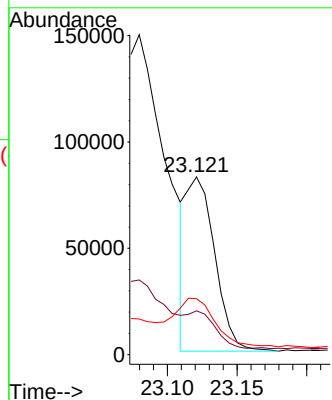
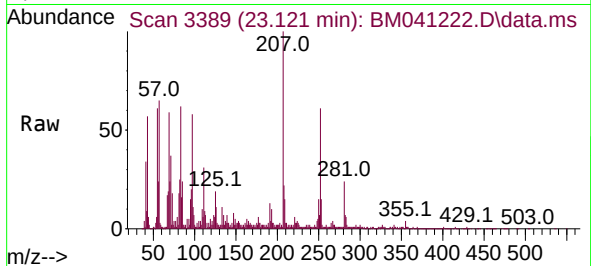
#89
Benzo(k)fluoranthene
Concen: 2.386 ng m
RT: 23.121 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM041222.D
Acq: 01 Aug 2023 13:26

Instrument :
BNA_M
ClientSampleId :
WC-1

Tgt Ion:252 Resp: 116704
Ion Ratio Lower Upper
252 100
253 24.7 17.4 26.0
125 31.5 7.6 11.4

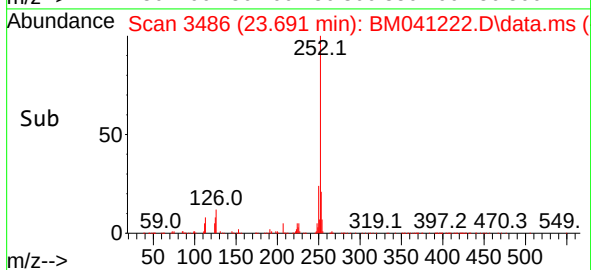
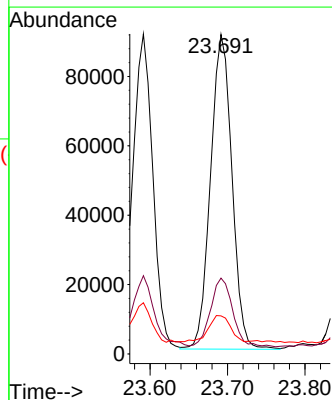
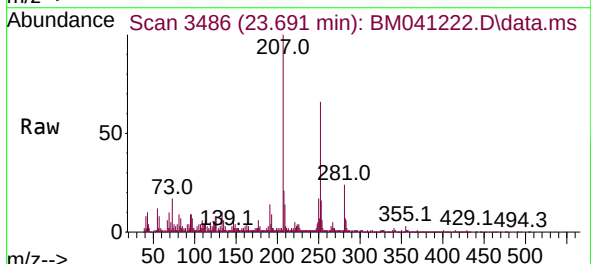
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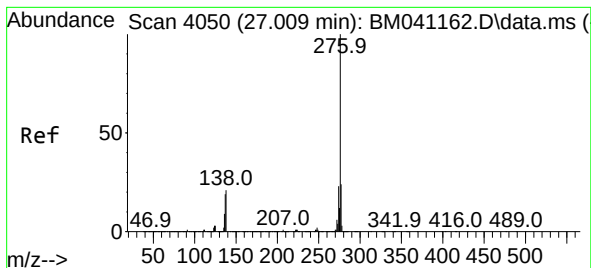
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023



#90
Benzo(a)pyrene
Concen: 3.798 ng
RT: 23.691 min Scan# 3486
Delta R.T. 0.000 min
Lab File: BM041222.D
Acq: 01 Aug 2023 13:26

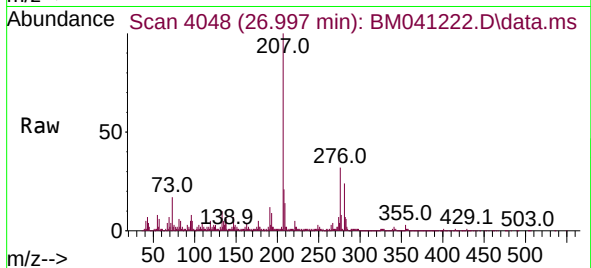
Tgt Ion:252 Resp: 174476
Ion Ratio Lower Upper
252 100
253 23.7 17.3 25.9
125 11.9 9.0 13.4





#92
 Benzo(g,h,i)perylene
 Concen: 2.963 ng
 RT: 26.997 min Scan# 4050
 Delta R.T. 0.000 min
 Lab File: BM041222.D
 Acq: 01 Aug 2023 13:26

Instrument :
 BNA_M
 ClientSampleId :
 WC-1



Tgt Ion: 276 Resp: 14308
 Ion Ratio Lower Upper
 276 100
 277 25.4 19.1 28.7
 138 19.9 17.1 25.7

Manual Integrations
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Reviewed By :Yogesh Patel 08/02/2023
 Supervised By :mohammad ahmed 08/02/2023

