

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080123\
 Data File : BM041231.D
 Acq On : 01 Aug 2023 19:01
 Operator : MA/JU
 Sample : 03812-01RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-1RE

Manual Integrations
 APPROVED

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

Quant Time: Aug 02 01:56:20 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	7.799	152	179769	20.000	ng	0.00
21) Naphthalene-d8	10.610	136	661474	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	359119	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	746247	20.000	ng	0.00
76) Chrysene-d12	21.427	240	663458	20.000	ng	0.00
86) Perylene-d12	23.803	264	764781	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	353244	29.368	ng	0.01
7) Phenol-d6	6.981	99	453342	29.077	ng	0.00
23) Nitrobenzene-d5	8.975	82	309630	21.768	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	172005	33.862	ng	0.00
45) 2-Fluorobiphenyl	13.081	172	610703	21.482	ng	0.00
79) Terphenyl-d14	19.862	244	741965	20.220	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.186	152	76924	2.192	ng	97
71) Phenanthrene	17.268	178	167953	4.051	ng	# 94
72) Anthracene	17.363	178	102060	2.489	ng	# 91
75) Fluoranthene	19.298	202	482050	10.349	ng	96
78) Pyrene	19.662	202	432333	9.318	ng	97
81) Benzo(a)anthracene	21.415	228	196861	4.377	ng	93
83) Chrysene	21.468	228	252402	5.802	ng	97
84) Bis(2-ethylhexyl)phtha...	21.333	149	24387	3.398	ng	# 86
87) Indeno(1,2,3-cd)pyrene	26.256	276	143390m	2.550	ng	
88) Benzo(b)fluoranthene	23.080	252	339509	7.473	ng	96
89) Benzo(k)fluoranthene	23.121	252	98467m	2.119	ng	
90) Benzo(a)pyrene	23.697	252	162678	3.726	ng	96
92) Benzo(g,h,i)perylene	27.009	276	132511	2.888	ng	96

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

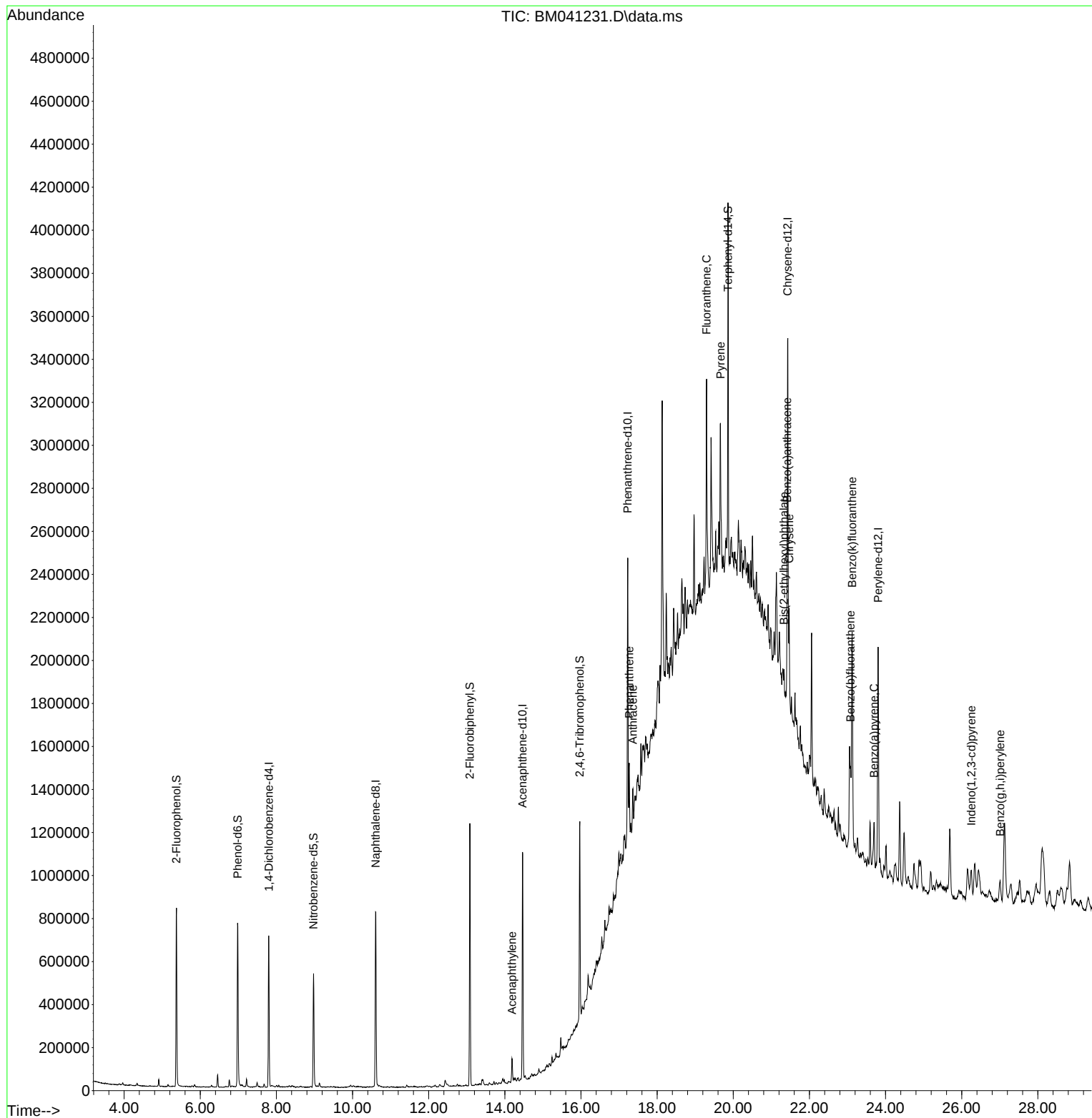
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080123\
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ALS Vial : 17 Sample Multiplier: 1

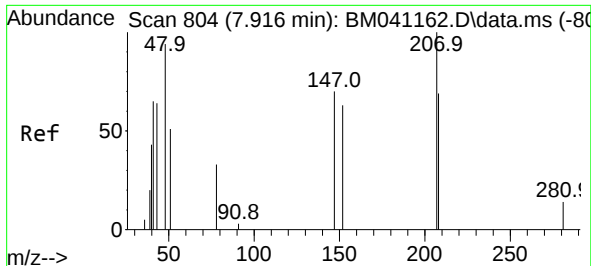
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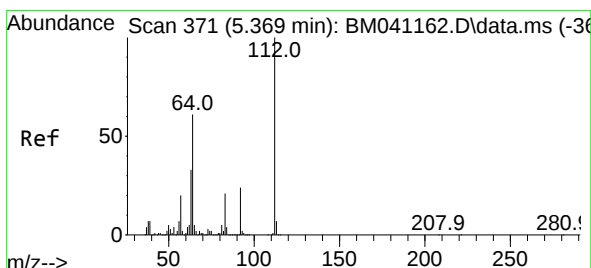
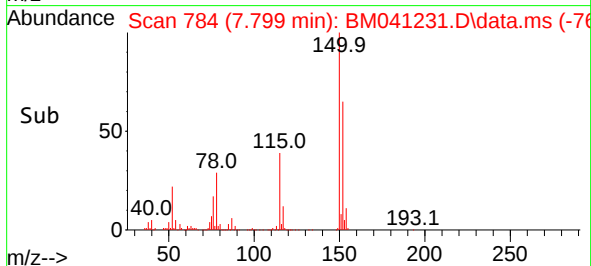
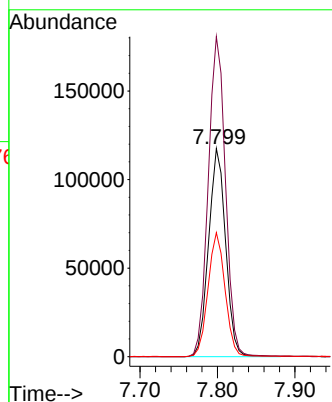
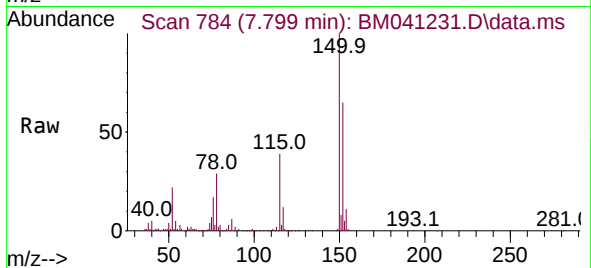
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 71
Delta R.T. 0.001 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

Instrument :
BNA_M
ClientSampleId :
WC-1RE

Tgt Ion:152 Resp: 179769
Ion Ratio Lower Upper
152 100
150 153.8 125.5 188.3
115 59.6 48.0 72.0

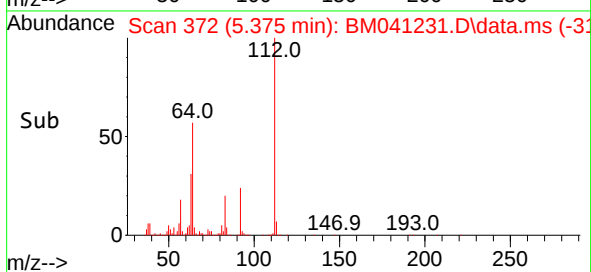
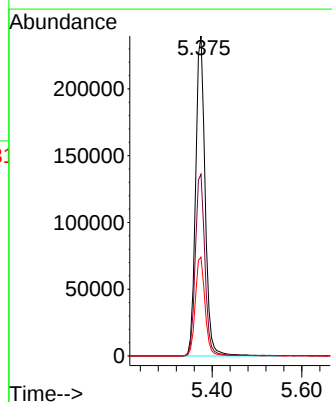
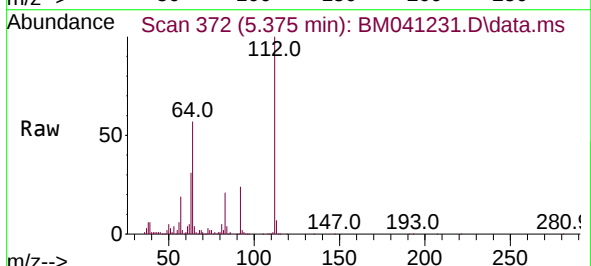
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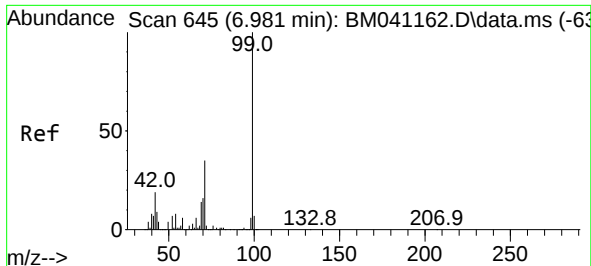
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023



#5
2-Fluorophenol
Concen: 29.368 ng
RT: 5.375 min Scan# 372
Delta R.T. 0.012 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

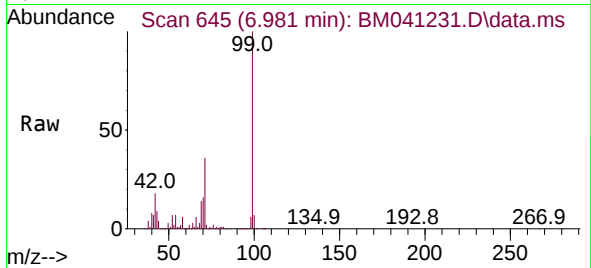
Tgt Ion:112 Resp: 353244
Ion Ratio Lower Upper
112 100
64 56.8 48.5 72.7
63 30.9 26.5 39.7





#7
Phenol-d6
Concen: 29.077 ng
RT: 6.981 min Scan# 645
Delta R.T. 0.006 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

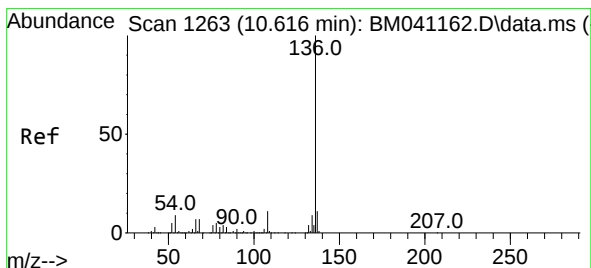
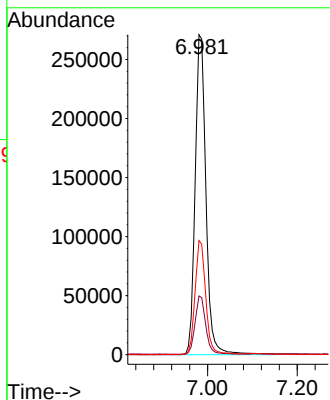
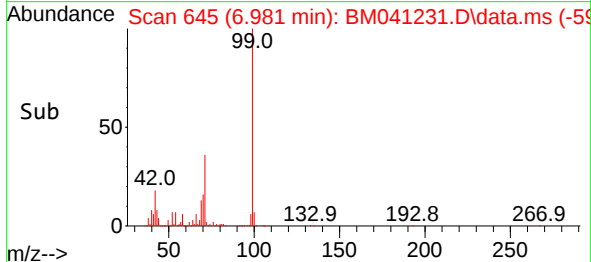
Instrument :
BNA_M
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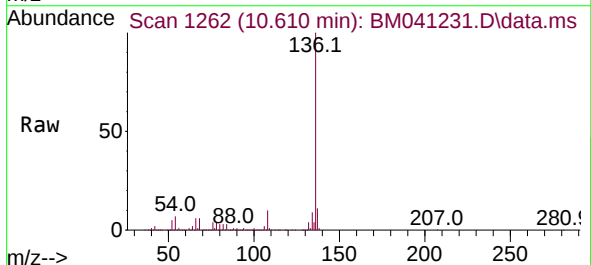
Tgt Ion: 99 Resp: 45334
Ion Ratio Lower Upper
99 100
42 18.3 15.4 23.0
71 35.6 28.2 42.4

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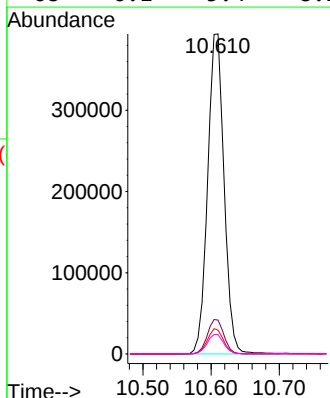
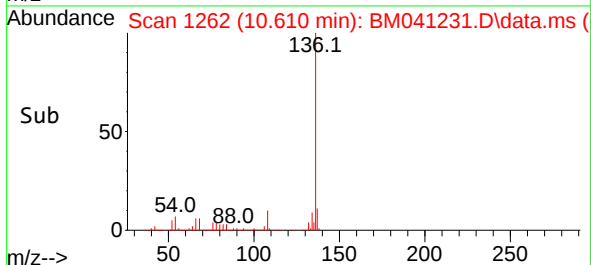
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023

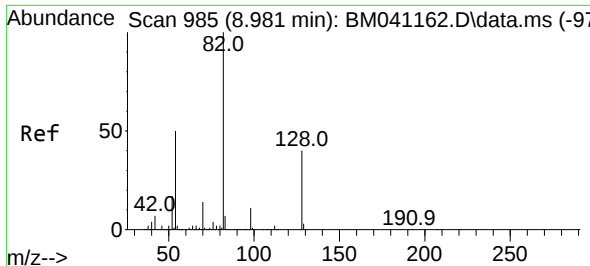


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1262
Delta R.T. 0.006 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01



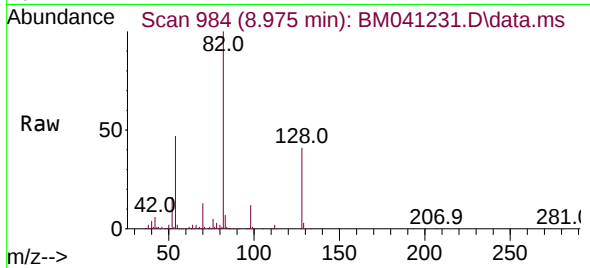
Tgt Ion:136 Resp: 661474
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.5 6.9 10.3
68 6.1 5.4 8.2





#23
Nitrobenzene-d5
Concen: 21.768 ng
RT: 8.975 min Scan# 984
Delta R.T. 0.000 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

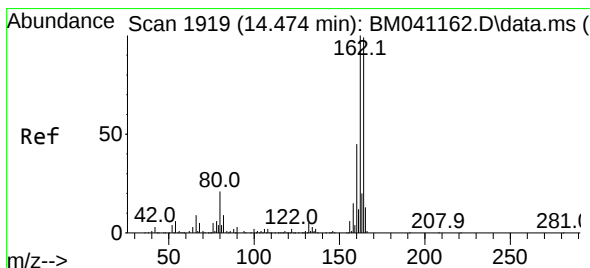
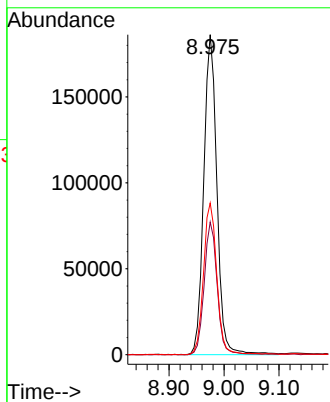
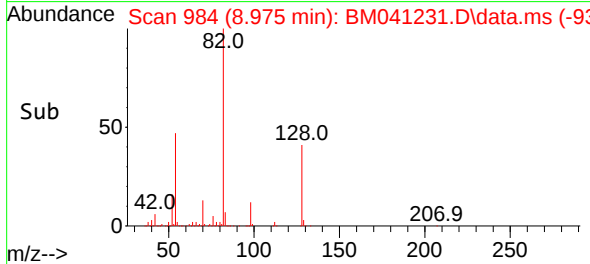
Instrument :
BNA_M
ClientSampleId :
WC-1RE



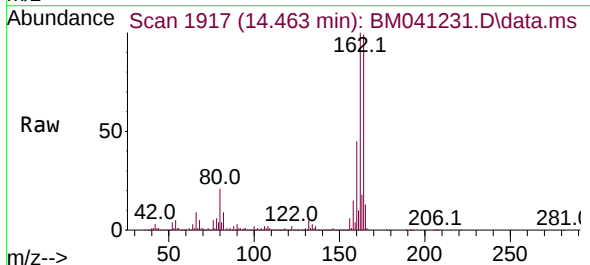
Tgt Ion: 82 Resp: 309630
Ion Ratio Lower Upper
82 100
128 41.4 31.8 47.6
54 47.4 40.1 60.1

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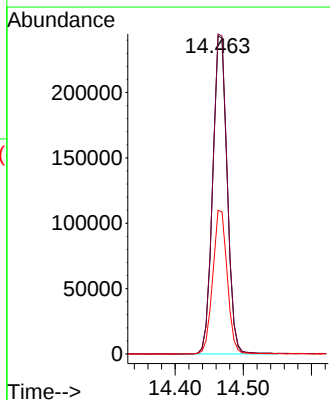
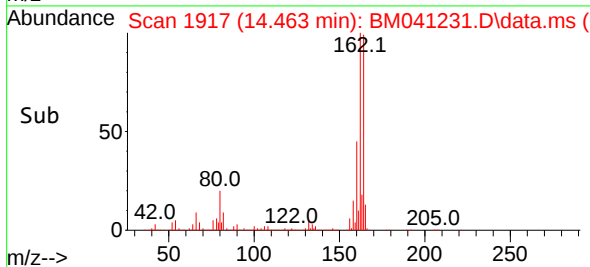
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023

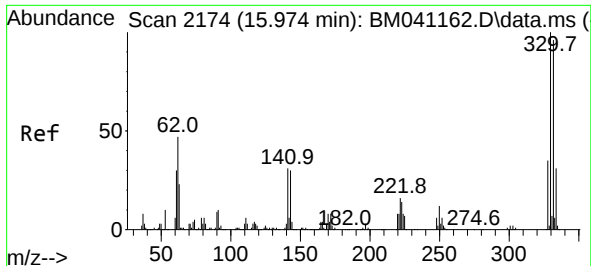


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01



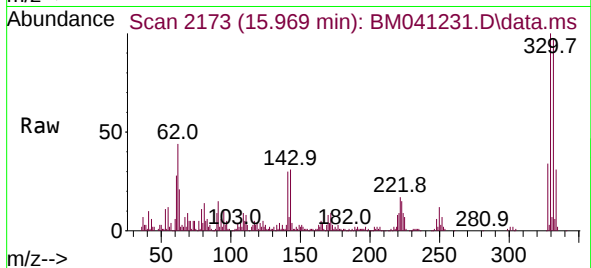
Tgt Ion:164 Resp: 359119
Ion Ratio Lower Upper
164 100
162 100.6 80.4 120.6
160 45.2 36.2 54.2





#42
2,4,6-Tribromophenol
Concen: 33.862 ng
RT: 15.969 min Scan# 2173
Delta R.T. 0.006 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

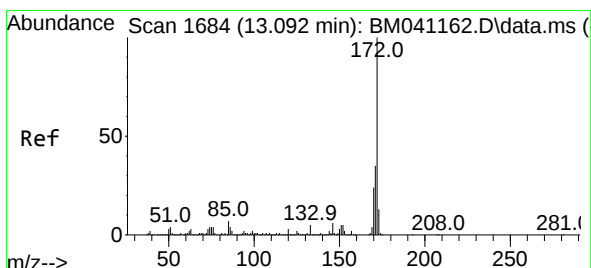
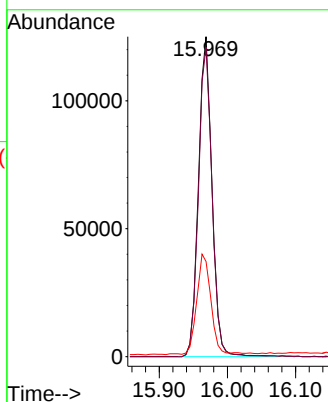
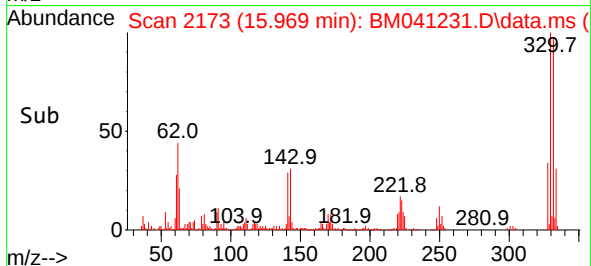
Instrument :
BNA_M
ClientSampleId :
WC-1RE



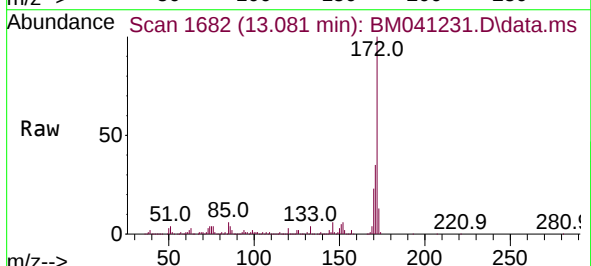
Tgt Ion:330 Resp: 17200
Ion Ratio Lower Upper
330 100
332 97.5 77.7 116.5
141 32.7 28.3 42.5

Manual Integrations
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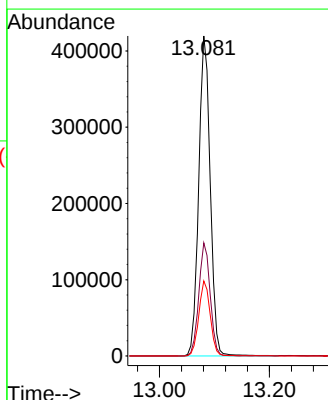
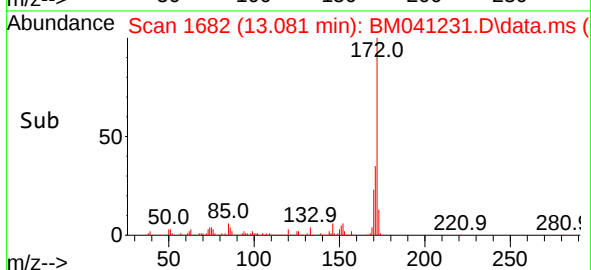
Reviewed By :Yogesh Patel 08/02/2023
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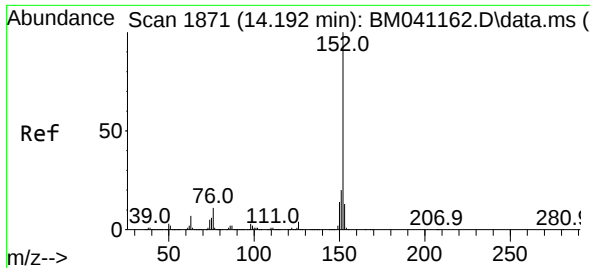


#45
2-Fluorobiphenyl
Concen: 21.482 ng
RT: 13.081 min Scan# 1682
Delta R.T. -0.006 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01



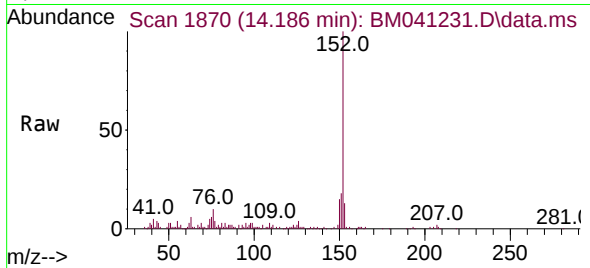
Tgt Ion:172 Resp: 610703
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.5 18.9 28.3





#49
Acenaphthylene
Concen: 2.192 ng
RT: 14.186 min Scan# 1870
Delta R.T. 0.000 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

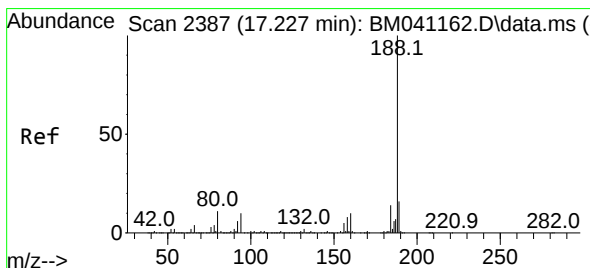
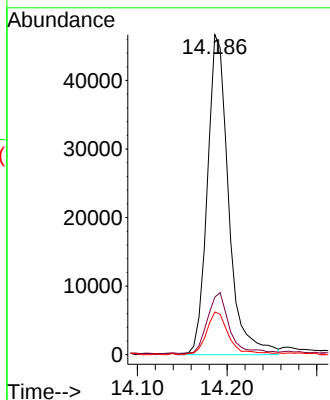
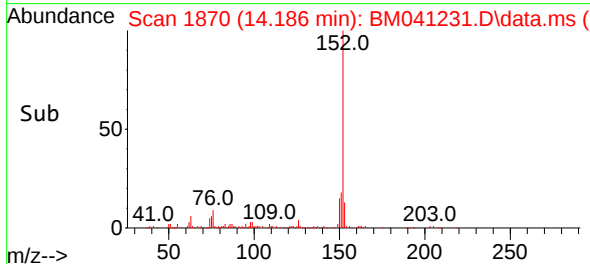
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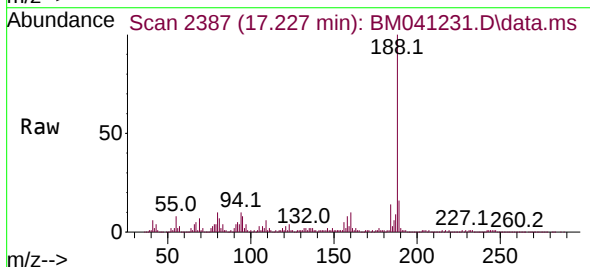
Tgt Ion:152 Resp: 76924
Ion Ratio Lower Upper
152 100
151 18.0 16.1 24.1
153 13.3 10.5 15.7

Manual Integrations
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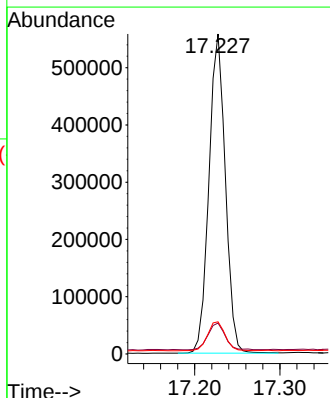
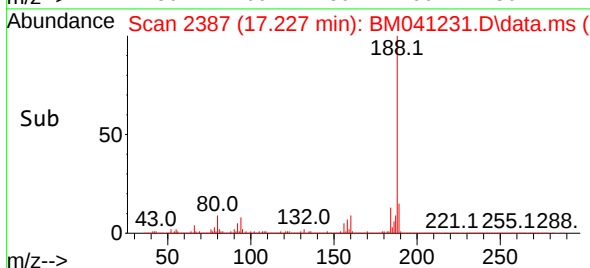
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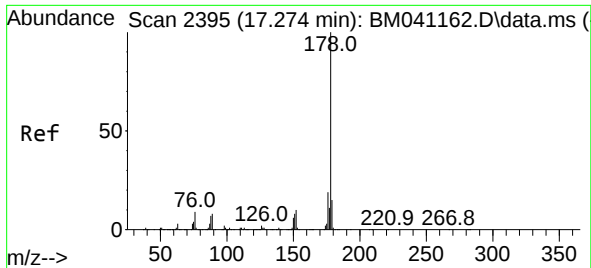


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2387
Delta R.T. 0.006 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01



Tgt Ion:188 Resp: 746247
Ion Ratio Lower Upper
188 100
94 9.6 8.2 12.2
80 10.1 8.6 13.0





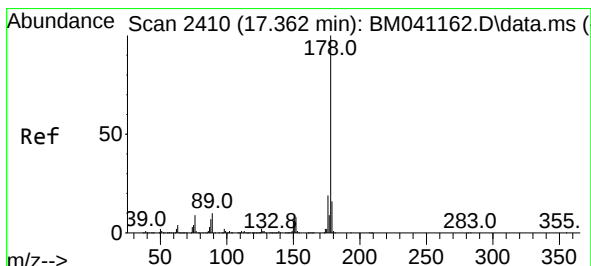
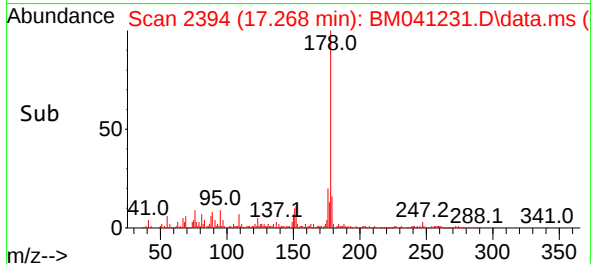
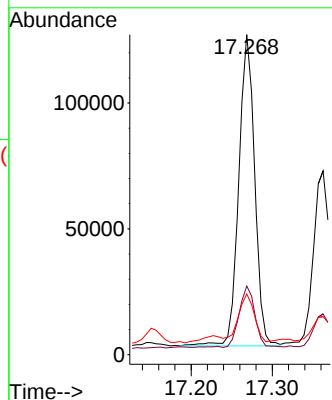
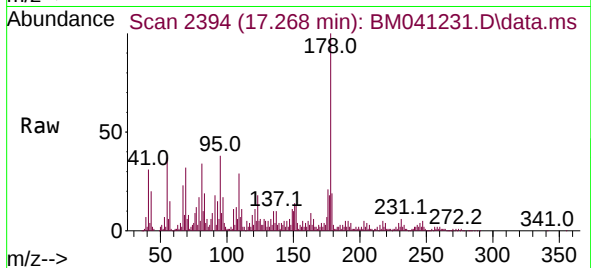
#71
Phenanthrene
Concen: 4.051 ng
RT: 17.268 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

Instrument :
BNA_M
ClientSampleId :
WC-1RE

Tgt Ion:178 Resp: 16795
Ion Ratio Lower Upper
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176 21.5 15.6 23.4
179 19.0 12.1 18.1

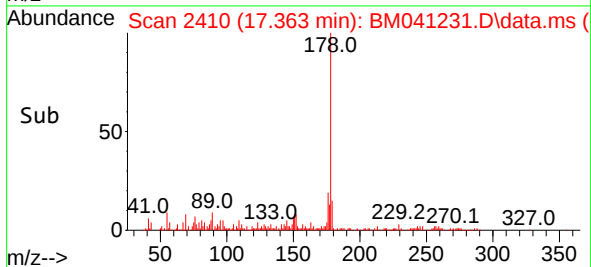
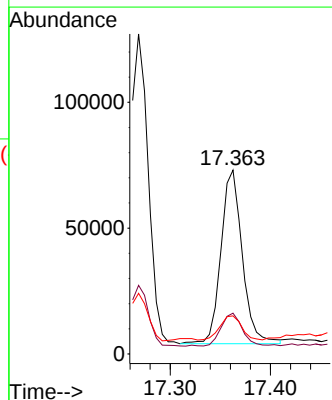
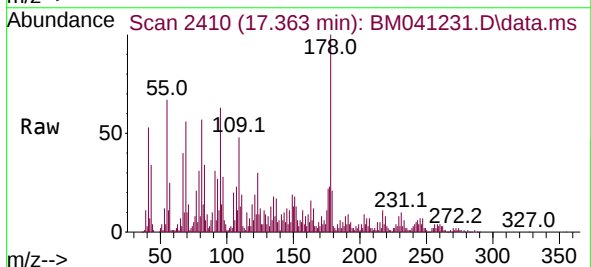
Manual Integrations
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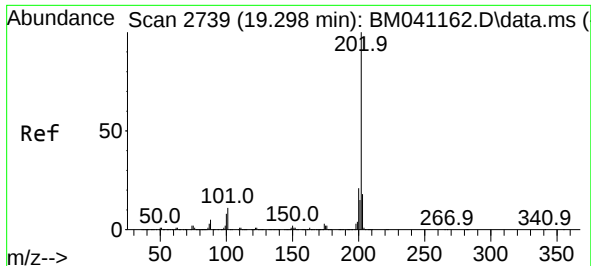
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023



#72
Anthracene
Concen: 2.489 ng
RT: 17.363 min Scan# 2410
Delta R.T. 0.006 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

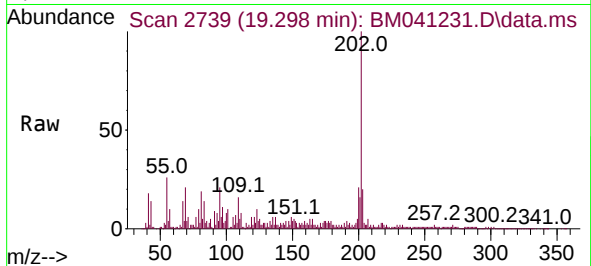
Tgt Ion:178 Resp: 102060
Ion Ratio Lower Upper
178 100
176 22.2 15.2 22.8
179 20.7 12.4 18.6





#75
Fluoranthene
Concen: 10.349 ng
RT: 19.298 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

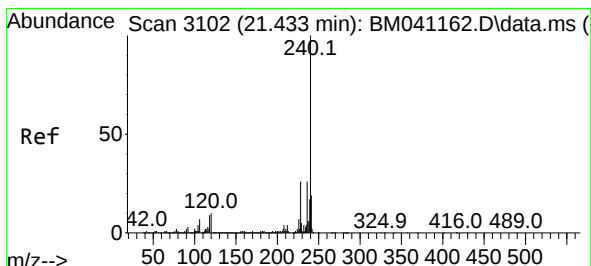
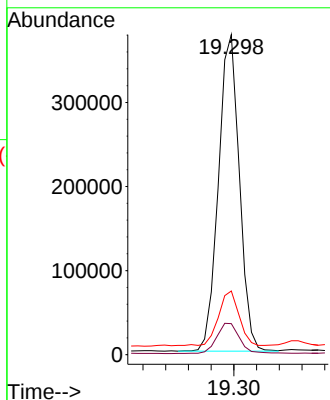
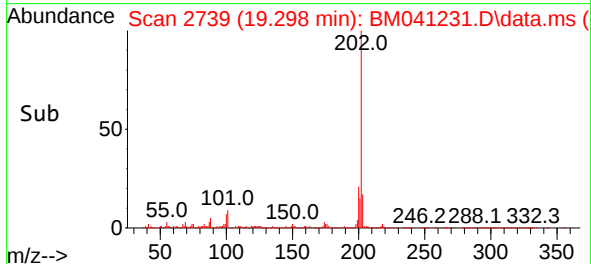
Instrument :
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ClientSampleId :
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Tgt Ion:202 Resp: 482050
Ion Ratio Lower Upper
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101 9.7 0.0 30.8
203 19.9 0.0 37.6

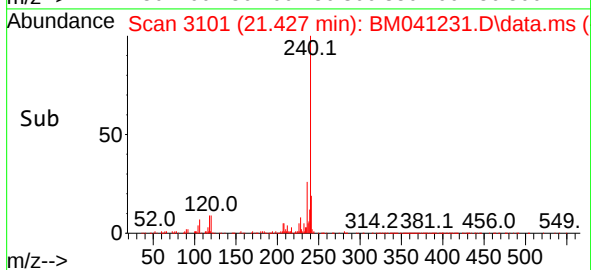
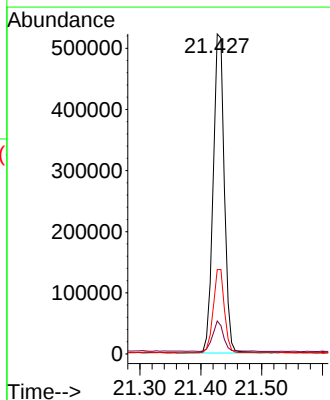
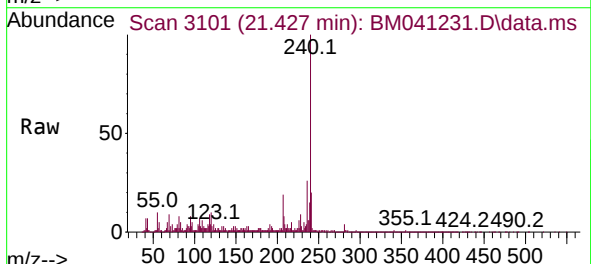
Manual Integrations
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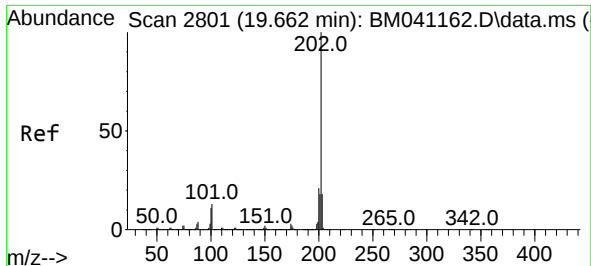
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3101
Delta R.T. 0.000 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

Tgt Ion:240 Resp: 663458
Ion Ratio Lower Upper
240 100
120 10.3 8.3 12.5
236 26.3 20.6 30.8





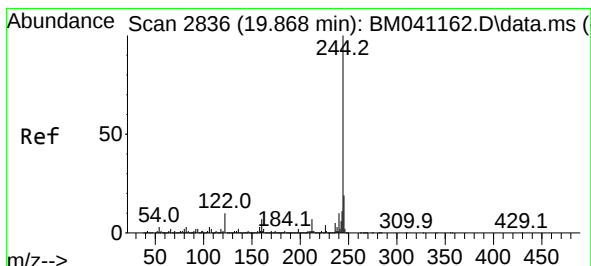
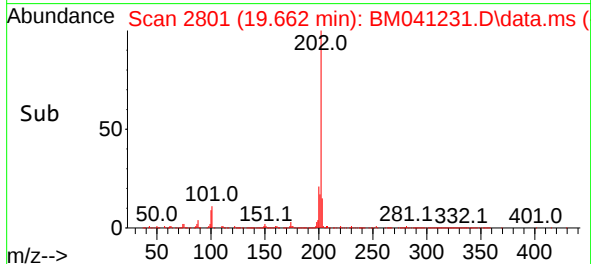
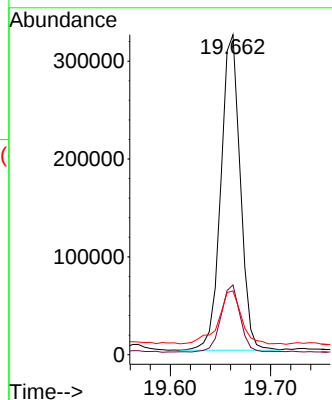
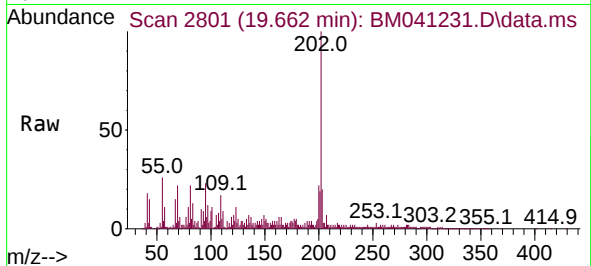
#78
Pyrene
Concen: 9.318 ng
RT: 19.662 min Scan# 2801
Delta R.T. 0.006 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

Instrument :
BNA_M
ClientSampleId :
WC-1RE

Tgt Ion:202 Resp: 43233
Ion Ratio Lower Upper
202 100
200 21.8 16.9 25.3
203 20.0 14.1 21.1

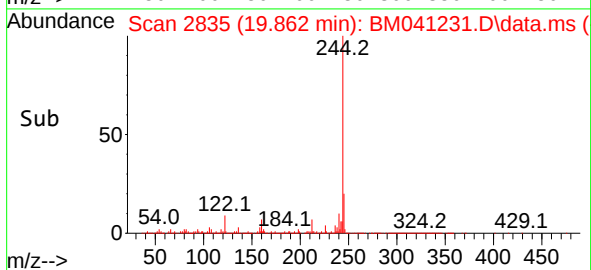
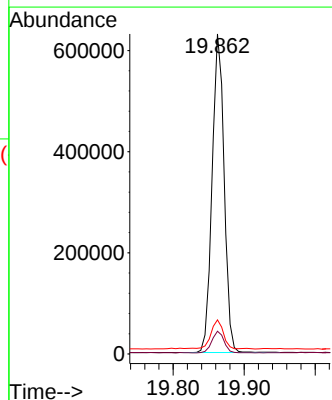
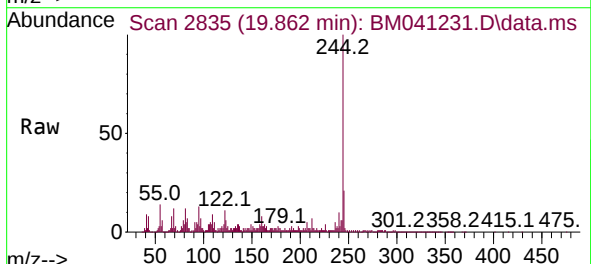
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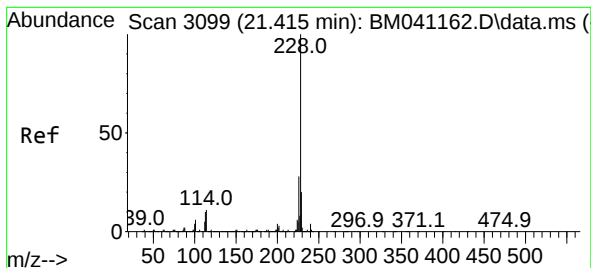
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023



#79
Terphenyl-d14
Concen: 20.220 ng
RT: 19.862 min Scan# 2835
Delta R.T. 0.000 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

Tgt Ion:244 Resp: 741965
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.2
122 10.6 7.8 11.6





#81

Benzo(a)anthracene

Concen: 4.377 ng

RT: 21.415 min Scan# 3099

Delta R.T. 0.006 min

Lab File: BM041231.D

Acq: 01 Aug 2023 19:01

Instrument :

BNA_M

ClientSampleId :

WC-1RE

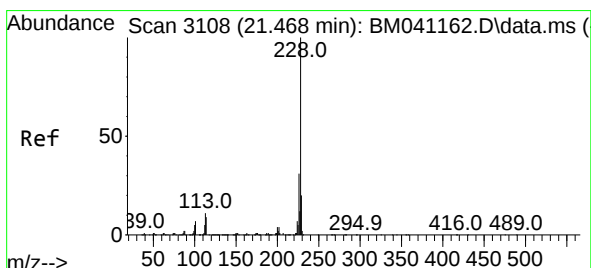
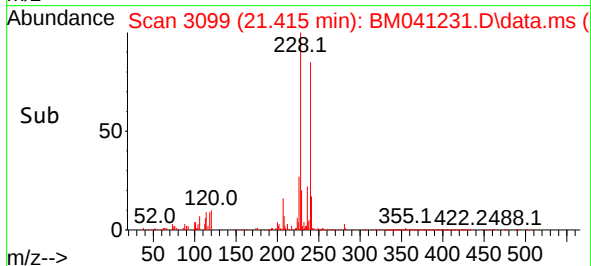
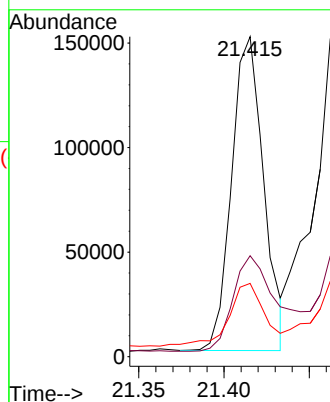
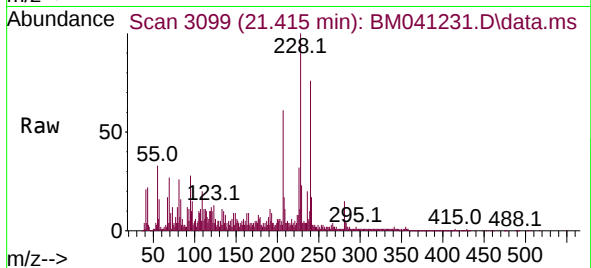
Tgt Ion:228 Resp: 196863
 Ion Ratio Lower Upper
 228 100
 226 31.5 22.4 33.6
 229 22.9 15.8 23.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/02/2023

Supervised By :mohammad ahmed 08/02/2023



#83

Chrysene

Concen: 5.802 ng

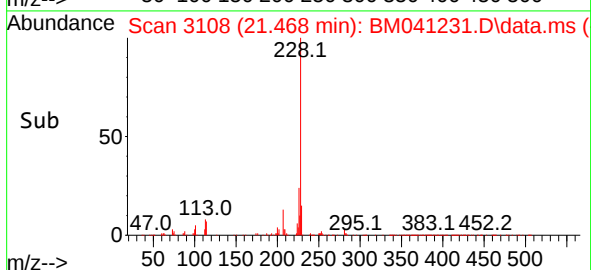
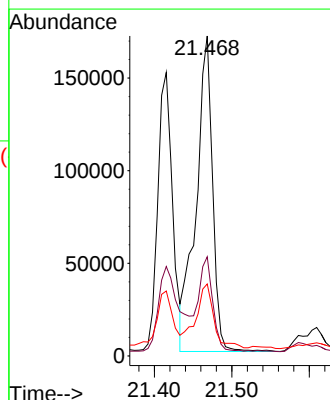
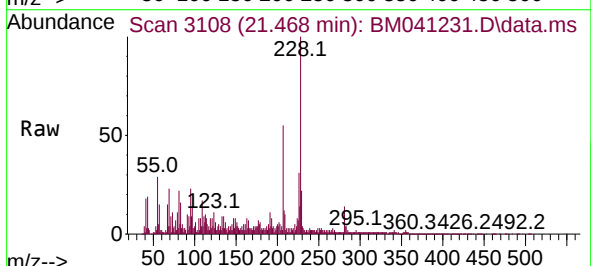
RT: 21.468 min Scan# 3108

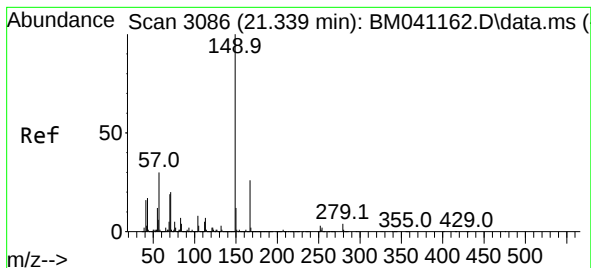
Delta R.T. 0.006 min

Lab File: BM041231.D

Acq: 01 Aug 2023 19:01

Tgt Ion:228 Resp: 252402
 Ion Ratio Lower Upper
 228 100
 226 31.0 24.5 36.7
 229 22.5 15.8 23.8





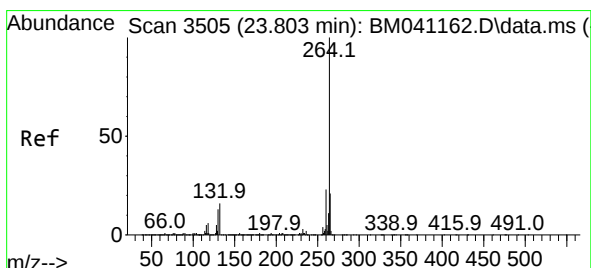
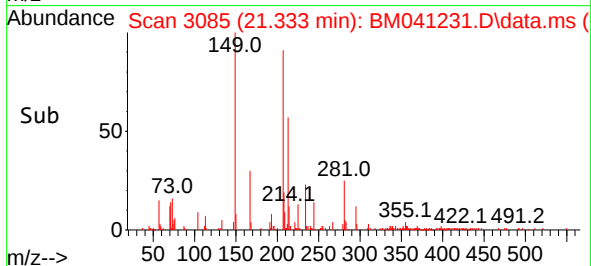
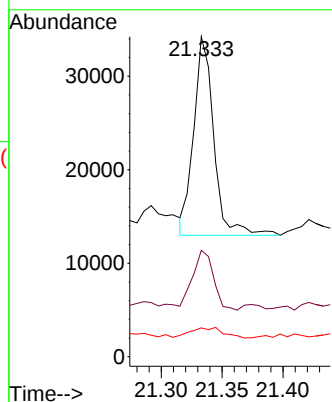
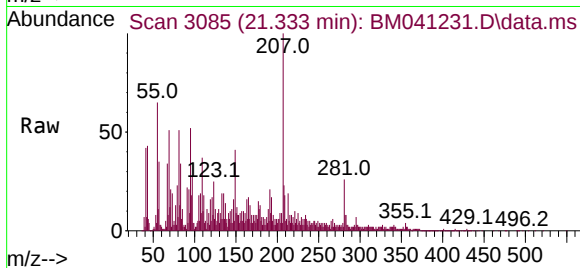
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.398 ng
RT: 21.333 min Scan# 3085
Delta R.T. -0.006 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

Instrument :
BNA_M
ClientSampleId :
WC-1RE

Tgt Ion:149 Resp: 2438
Ion Ratio Lower Upper
149 100
167 33.3 21.0 31.6
279 9.0 3.1 4.7

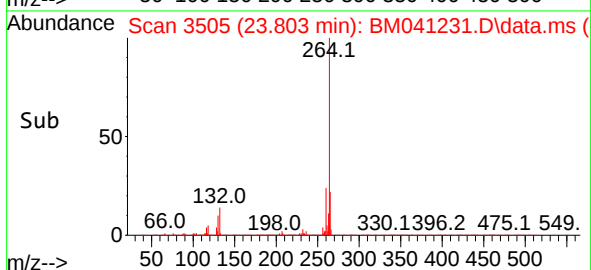
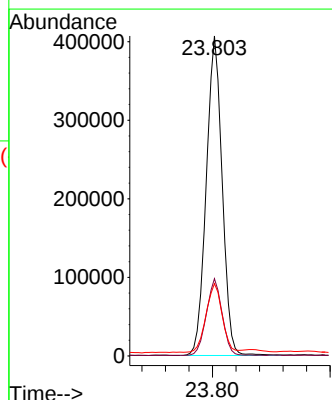
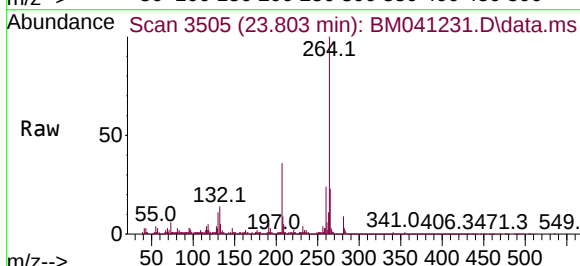
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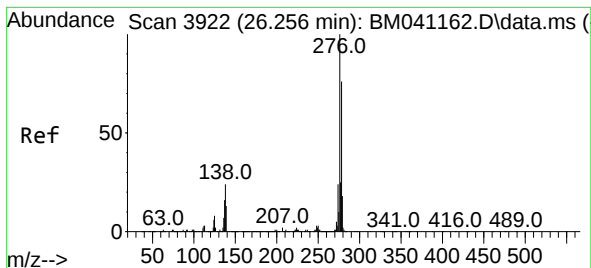
Reviewed By :Yogesh Patel 08/02/2023
Supervised By :mohammad ahmed 08/02/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.803 min Scan# 3505
Delta R.T. 0.006 min
Lab File: BM041231.D
Acq: 01 Aug 2023 19:01

Tgt Ion:264 Resp: 764781
Ion Ratio Lower Upper
264 100
260 24.1 18.5 27.7
265 22.6 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.550 ng m

RT: 26.256 min Scan# 3922

Delta R.T. 0.012 min

Lab File: BM041231.D

Acq: 01 Aug 2023 19:01

Instrument :

BNA_M

ClientSampleId :

WC-1RE

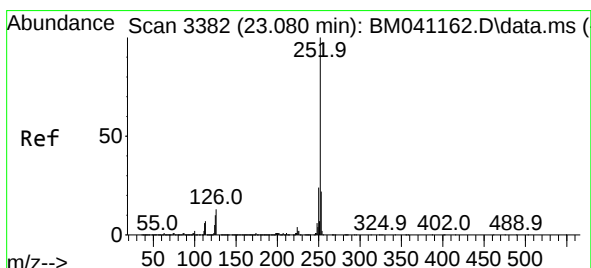
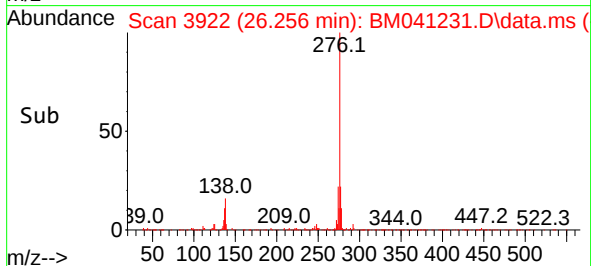
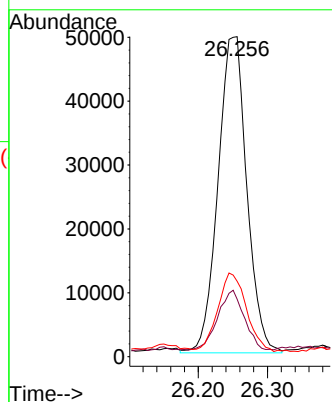
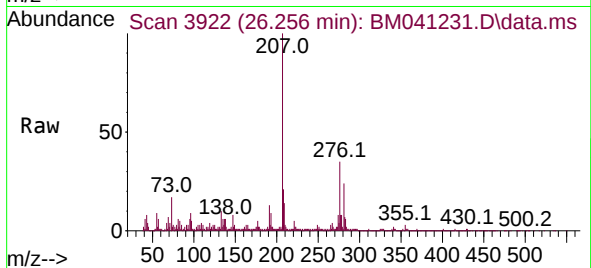
Tgt Ion:	276	Resp:	143390
Ion Ratio	Lower	Upper	
276	100		
138	2.3	20.0	30.0
277	2.7	20.1	30.1

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: 7.473 ng

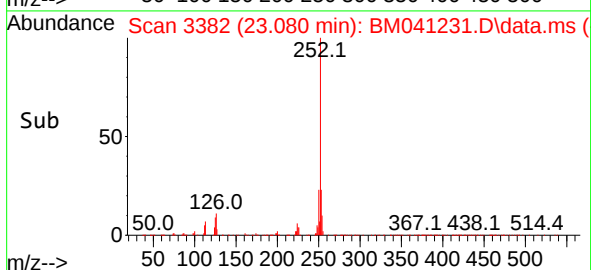
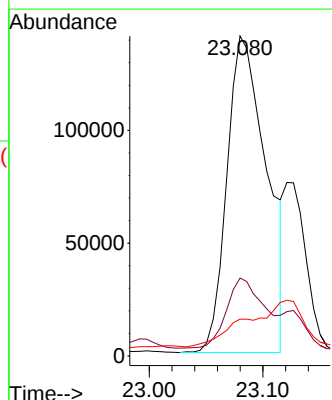
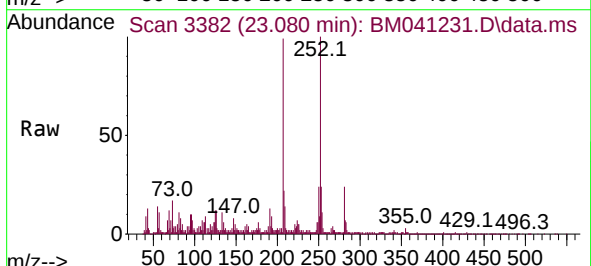
RT: 23.080 min Scan# 3382

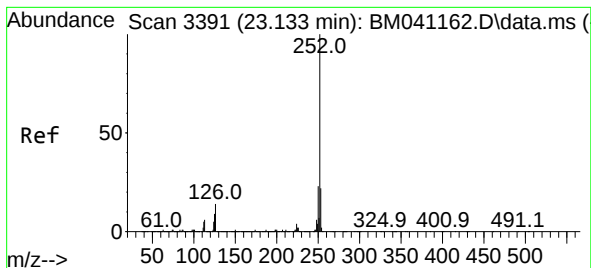
Delta R.T. 0.006 min

Lab File: BM041231.D

Acq: 01 Aug 2023 19:01

Tgt Ion:	252	Resp:	339509
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.7	26.5
125	11.5	8.2	12.4





#89

Benzo(k)fluoranthene

Concen: 2.119 ng m

RT: 23.121 min Scan# 3389

Delta R.T. 0.000 min

Lab File: BM041231.D

Acq: 01 Aug 2023 19:01

Instrument :

BNM

ClientSampleId :

WC-1RE

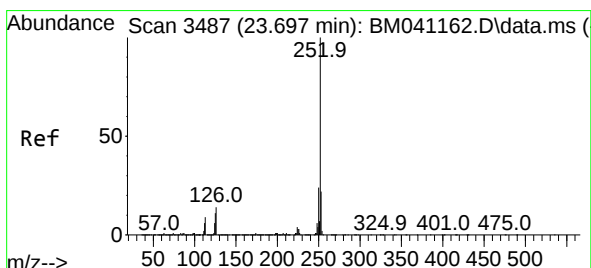
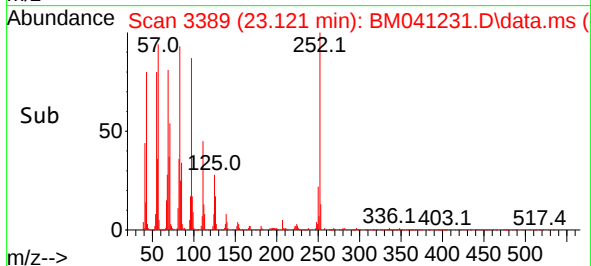
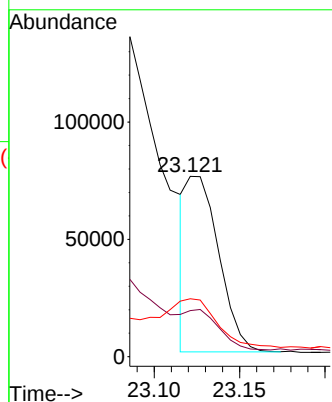
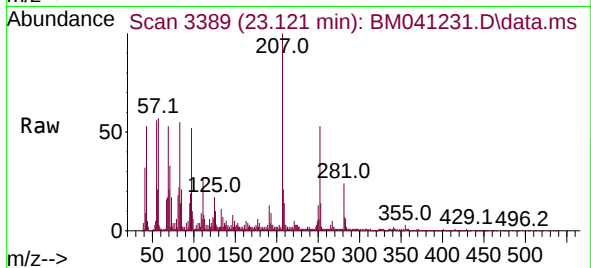
Tgt Ion:	252	Resp:	9846
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.4	26.0
125	32.2	7.6	11.4

Manual Integrations

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Reviewed By :Yogesh Patel 08/02/2023

Supervised By :mohammad ahmed 08/02/2023



#90

Benzo(a)pyrene

Concen: 3.726 ng

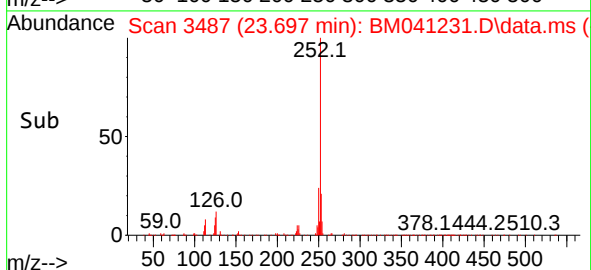
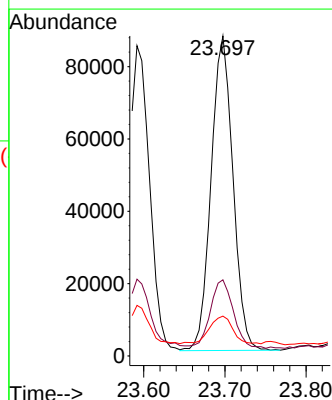
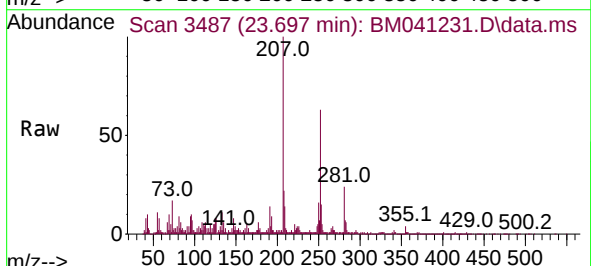
RT: 23.697 min Scan# 3487

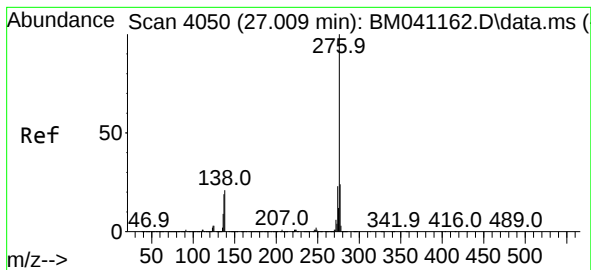
Delta R.T. 0.006 min

Lab File: BM041231.D

Acq: 01 Aug 2023 19:01

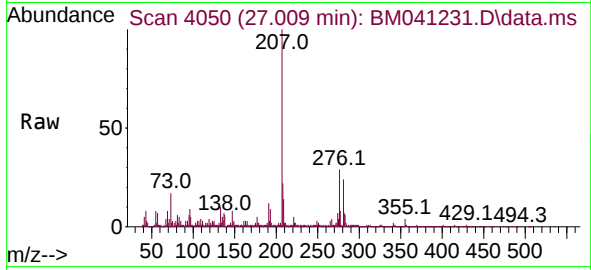
Tgt Ion:	252	Resp:	162678
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.3	25.9
125	12.4	9.0	13.4





#92
 Benzo(g,h,i)perylene
 Concen: 2.888 ng
 RT: 27.009 min Scan# 4050
 Delta R.T. 0.012 min
 Lab File: BM041231.D
 Acq: 01 Aug 2023 19:01

Instrument :
 BNA_M
 ClientSampleId :
 WC-1RE



Tgt Ion:	276	Resp:	13251
Ion Ratio	Lower	Upper	
276	100		
277	26.1	19.1	28.7
138	19.4	17.1	25.7

Manual Integrations
 APPROVED

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

