

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072224\
 Data File : BM046751.D
 Acq On : 22 Jul 2024 14:44
 Operator : MA/JU
 Sample : P3238-19
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4CH4

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

07/23/2024
 Supervised By :mohammad
 ahmed

Quant Time: Jul 22 15:35:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 19 11:38:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.485	152	5115	0.400	ng/ul	0.00
4) Naphthalene-d8	10.244	136	9061	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.127	164	5983	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.884	188	13007	0.400	ng/ul	0.00
17) Chrysene-d12	21.093	240	9666	0.400	ng/ul	# 0.00
23) Perylene-d12	23.226	264	10224	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.109	96	5973	1.421	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.844	152	2605	0.178	ng/ul	0.00
18) Fluoranthene-d10	18.923	212	5940	0.202	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.288	128	8528	0.370	ng/ul	97
7) 2-Methylnaphthalene	11.915	142	2983	0.184	ng/ul	99
8) 1-Methylnaphthalene	12.141	142	1933	0.117	ng/ul	98
10) Acenaphthylene	13.845	152	14928	0.548	ng/ul	98
11) Acenaphthene	14.192	153	3700	0.203	ng/ul	98
12) Fluorene	15.187	166	5813	0.257	ng/ul	97
15) Phenanthrene	16.922	178	140433	3.783	ng/ul	98
16) Anthracene	17.015	178	29378	0.811	ng/ul	99
19) Fluoranthene	18.951	202	270939	6.824	ng/ul	99
20) Pyrene	19.318	202	192213	4.472	ng/ul	99
21) Benzo(a)anthracene	21.076	228	118458	2.770	ng/ul	98
22) Chrysene	21.128	228	132811	3.210	ng/ul	98
24) Benzo(b)fluoranthene	22.595	252	186424m	4.565	ng/ul	
25) Benzo(k)fluoranthene	22.636	252	62431m	1.557	ng/ul	
26) Benzo(a)pyrene	23.136	252	71454m	2.126	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.339	276	78244	1.530	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.346	278	24377	0.602	ng/ul#	92
29) Benzo(g,h,i)perylene	25.983	276	12650	0.310	ng/ul#	87

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

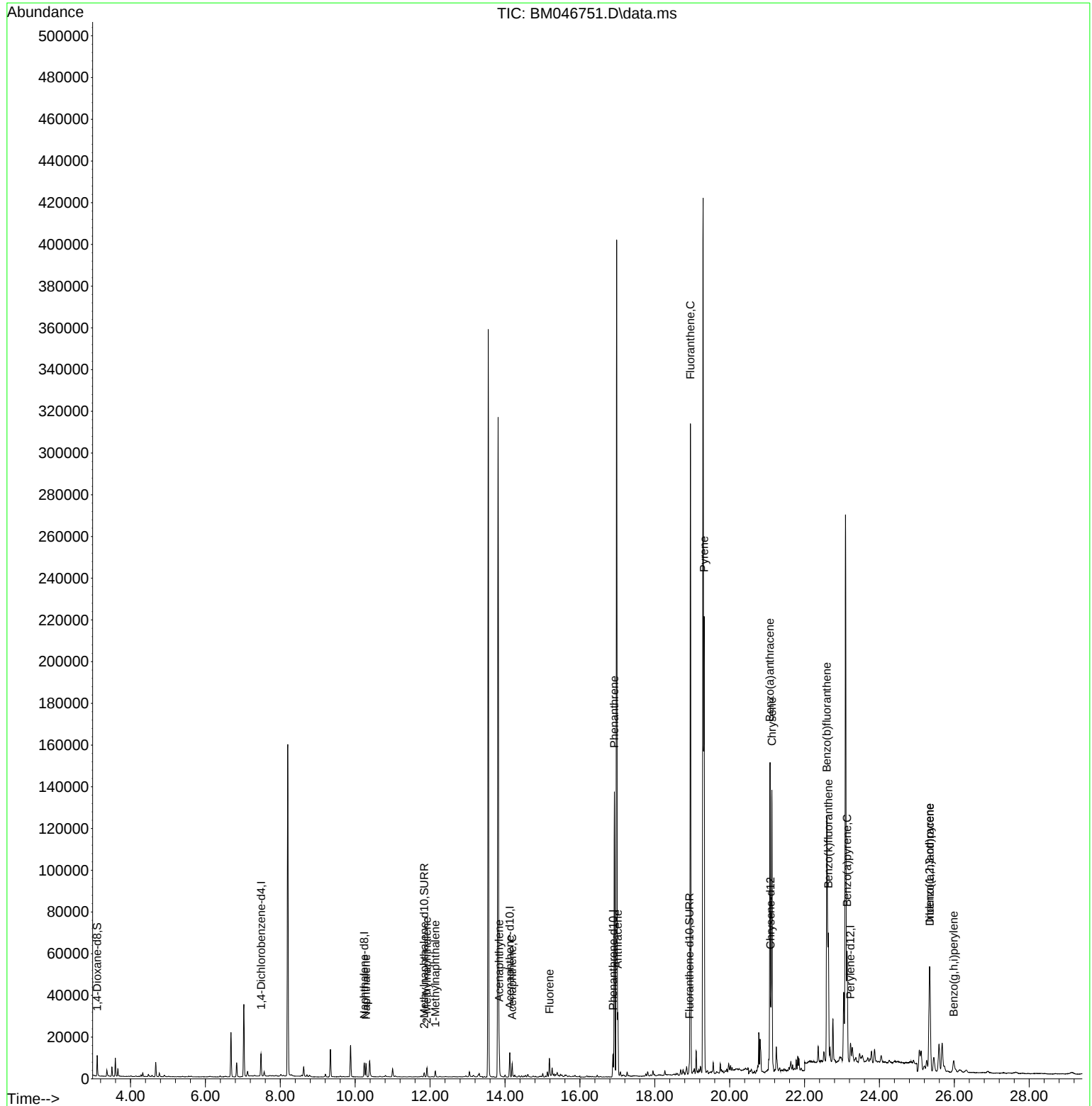
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072224\
Data File : BM046751.D
Acq On : 22 Jul 2024 14:44
Operator : MA/JU
Sample : P3238-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

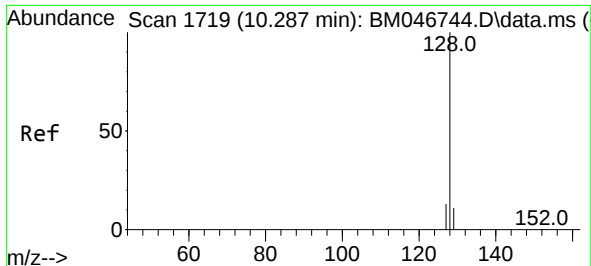
Instrument :
BNA_M
ClientSampleId :
A4CH4

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Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024

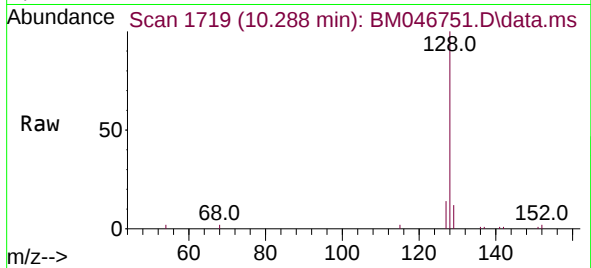
Quant Time: Jul 22 15:35:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 19 11:38:04 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.370 ng/ul
RT: 10.288 min Scan# 1719
Delta R.T. -0.010 min
Lab File: BM046751.D
Acq: 22 Jul 2024 14:44

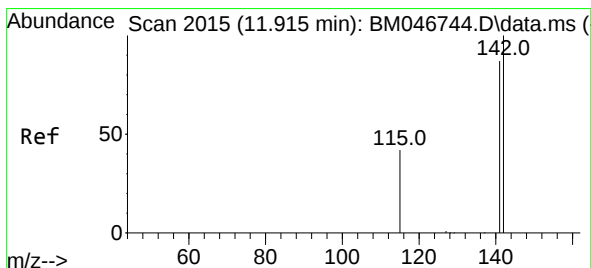
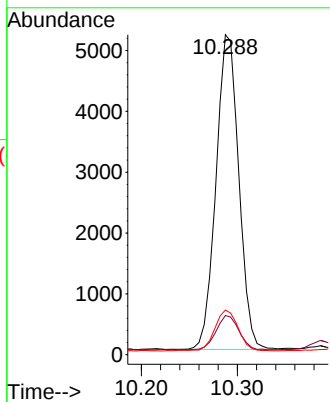
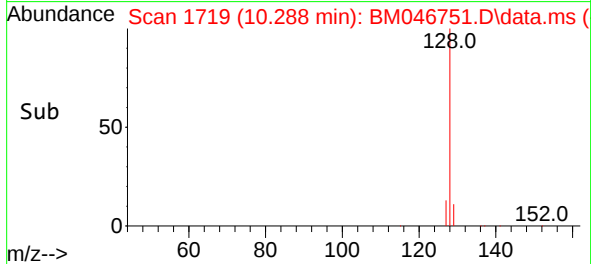
Instrument :
BNA_M
ClientSampleId :
A4CH4



Tgt Ion:128 Resp: 8528
Ion Ratio Lower Upper
128 100
129 12.2 10.3 15.5
127 14.0 12.2 18.4

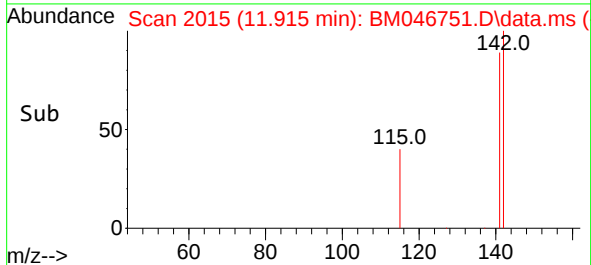
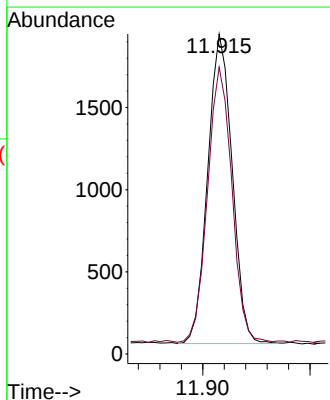
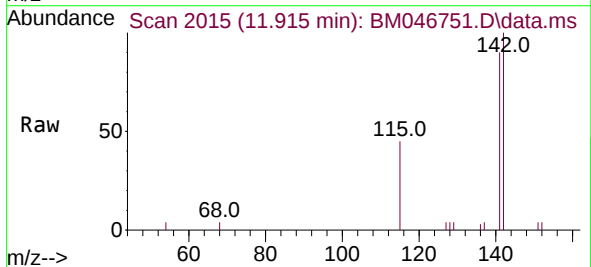
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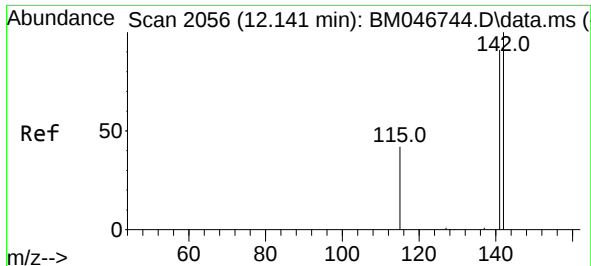
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



#7
2-Methylnaphthalene
Concen: 0.184 ng/ul
RT: 11.915 min Scan# 2015
Delta R.T. -0.004 min
Lab File: BM046751.D
Acq: 22 Jul 2024 14:44

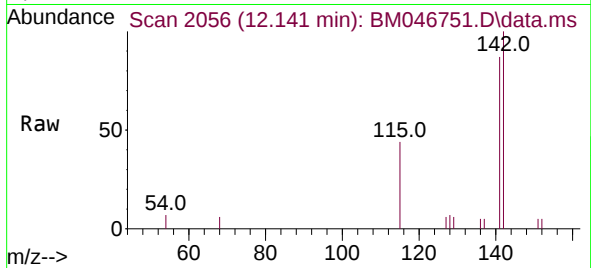
Tgt Ion:142 Resp: 2983
Ion Ratio Lower Upper
142 100
141 88.4 70.3 105.5





#8
1-Methylnaphthalene
Concen: 0.117 ng/ul
RT: 12.141 min Scan# 2056
Delta R.T. -0.004 min
Lab File: BM046751.D
Acq: 22 Jul 2024 14:44

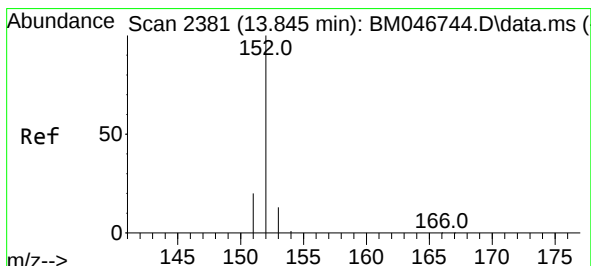
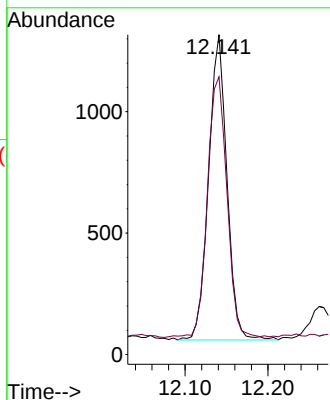
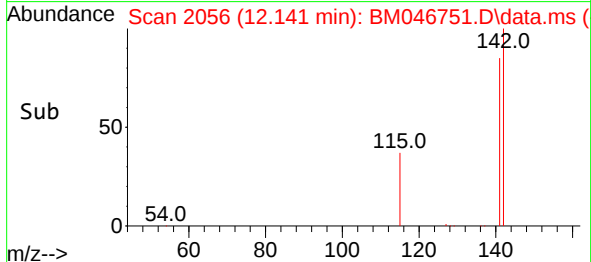
Instrument :
BNA_M
ClientSampleId :
A4CH4



Tgt Ion:142 Resp: 193
Ion Ratio Lower Upper
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141 90.8 73.9 110.9

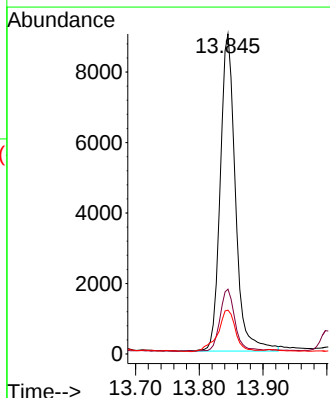
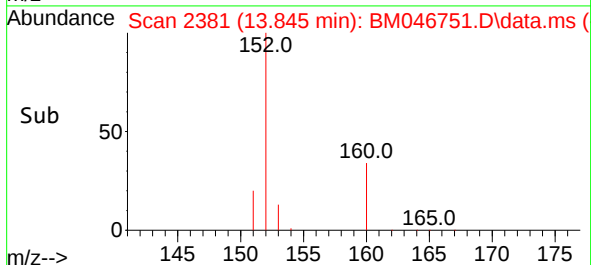
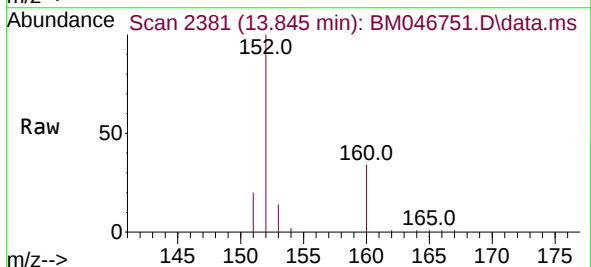
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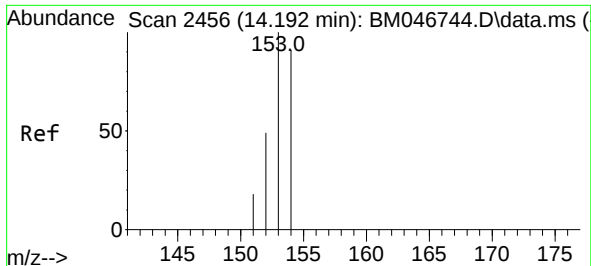
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



#10
Acenaphthylene
Concen: 0.548 ng/ul
RT: 13.845 min Scan# 2381
Delta R.T. -0.004 min
Lab File: BM046751.D
Acq: 22 Jul 2024 14:44

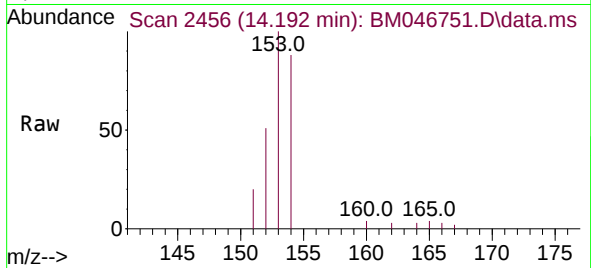
Tgt Ion:152 Resp: 14928
Ion Ratio Lower Upper
152 100
151 20.3 16.4 24.6
153 13.7 12.4 18.6





#11
Acenaphthene
Concen: 0.203 ng/ul
RT: 14.192 min Scan# 2456
Delta R.T. -0.003 min
Lab File: BM046751.D
Acq: 22 Jul 2024 14:44

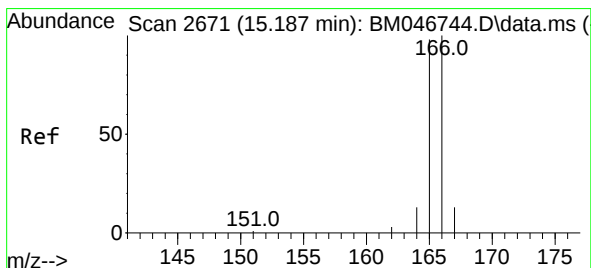
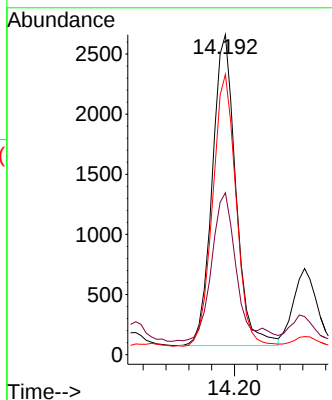
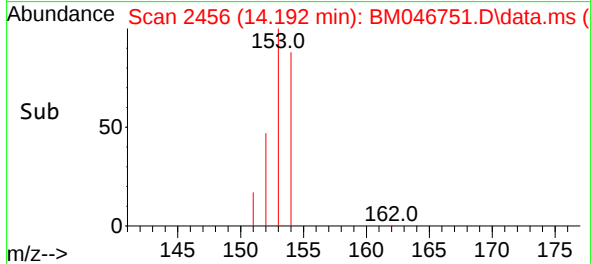
Instrument :
BNA_M
ClientSampleId :
A4CH4



Tgt Ion:153 Resp: 3700
Ion Ratio Lower Upper
153 100
152 50.6 43.0 64.6
154 87.6 69.9 104.9

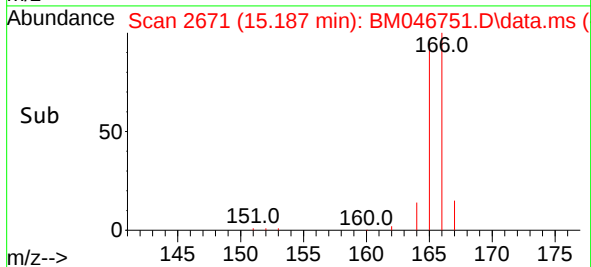
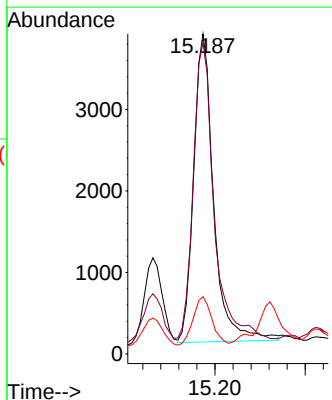
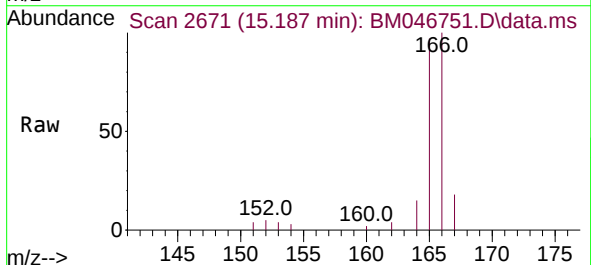
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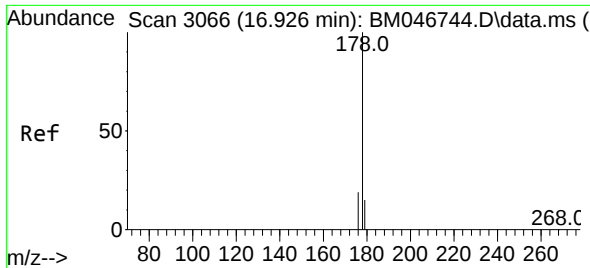
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



#12
Fluorene
Concen: 0.257 ng/ul
RT: 15.187 min Scan# 2671
Delta R.T. -0.004 min
Lab File: BM046751.D
Acq: 22 Jul 2024 14:44

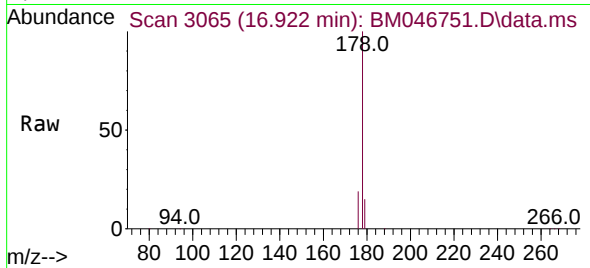
Tgt Ion:166 Resp: 5813
Ion Ratio Lower Upper
166 100
165 97.3 76.1 114.1
167 17.9 12.5 18.7





#15
Phenanthrene
Concen: 3.783 ng/ul
RT: 16.922 min Scan# 3066
Delta R.T. -0.003 min
Lab File: BM046751.D
Acq: 22 Jul 2024 14:44

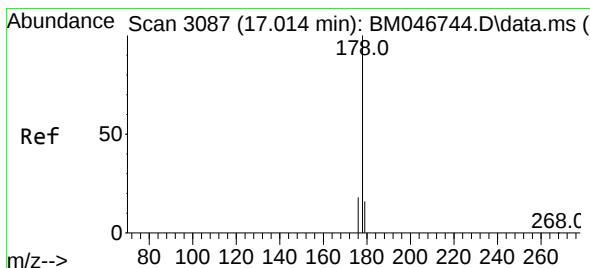
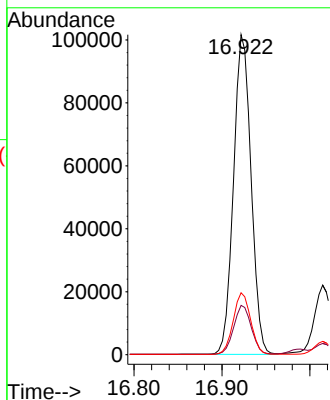
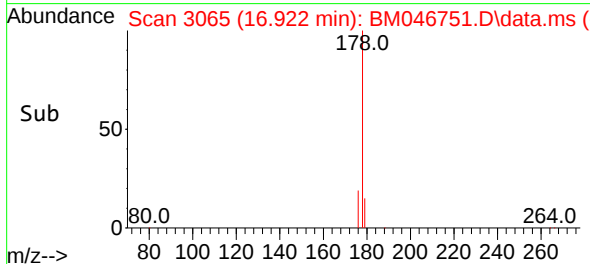
Instrument :
BNA_M
ClientSampleId :
A4CH4



Tgt Ion:178 Resp: 14043
Ion Ratio Lower Upper
178 100
179 15.4 13.1 19.7
176 19.4 16.0 24.0

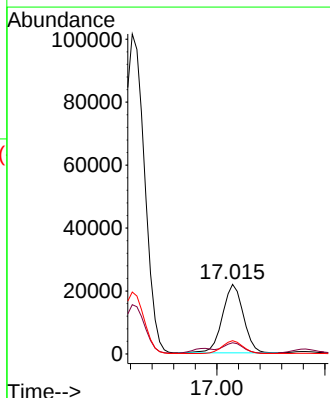
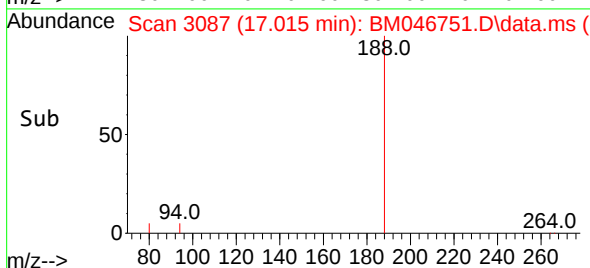
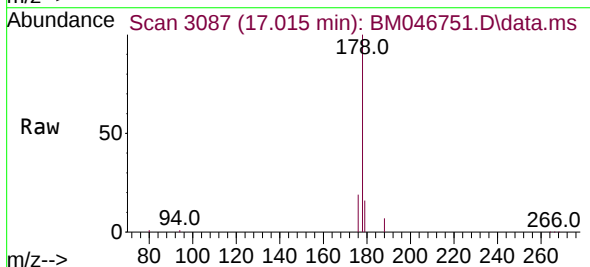
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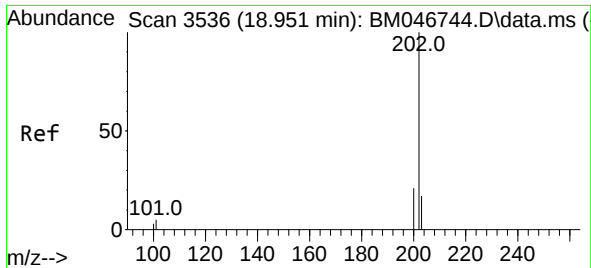
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



#16
Anthracene
Concen: 0.811 ng/ul
RT: 17.015 min Scan# 3087
Delta R.T. -0.003 min
Lab File: BM046751.D
Acq: 22 Jul 2024 14:44

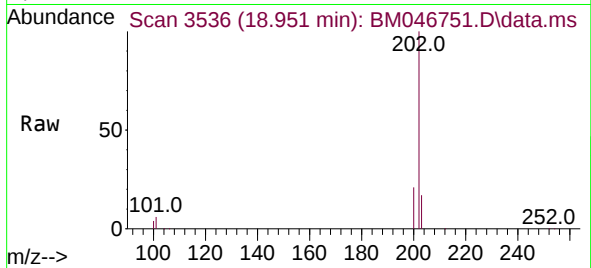
Tgt Ion:178 Resp: 29378
Ion Ratio Lower Upper
178 100
179 16.1 13.5 20.3
176 19.2 15.7 23.5





#19
Fluoranthene
Concen: 6.824 ng/u1
RT: 18.951 min Scan# 3536
Delta R.T. -0.004 min
Lab File: BM046751.D
Acq: 22 Jul 2024 14:44

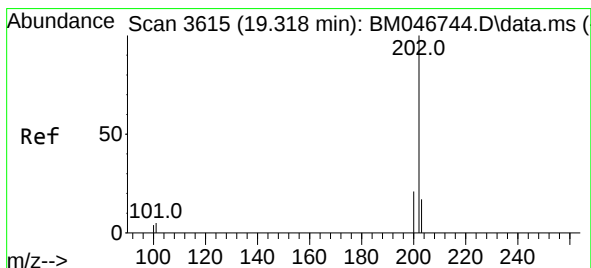
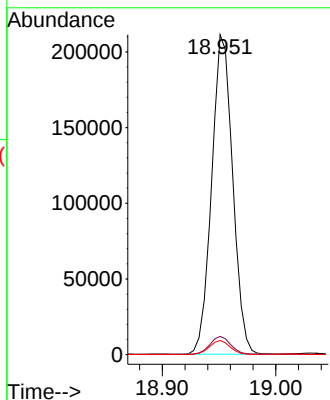
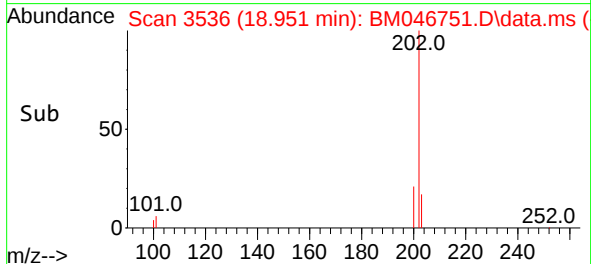
Instrument :
BNA_M
ClientSampleId :
A4CH4



Tgt Ion:202 Resp: 270939
Ion Ratio Lower Upper
202 100
101 5.7 4.6 6.8
100 4.4 3.0 4.6

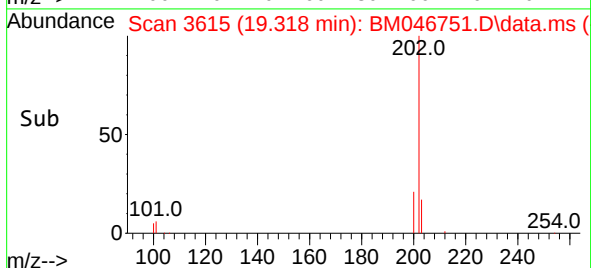
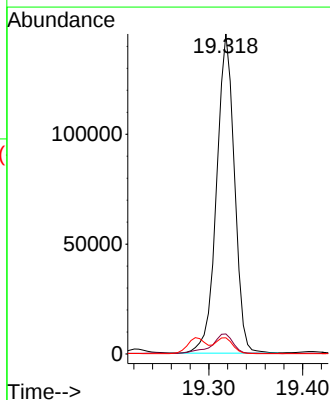
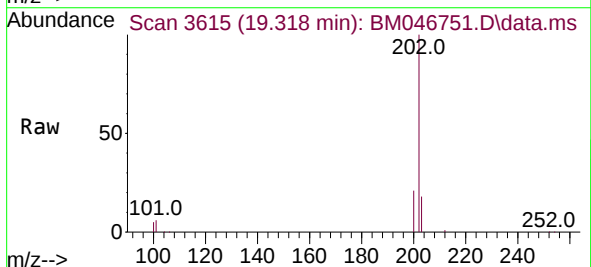
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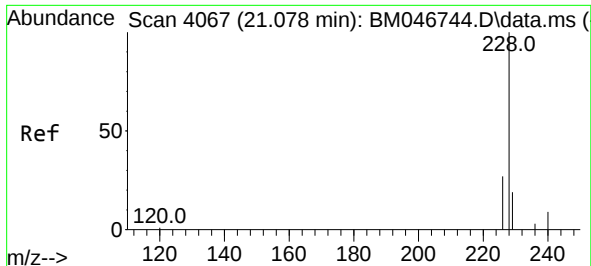
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



#20
Pyrene
Concen: 4.472 ng/u1
RT: 19.318 min Scan# 3615
Delta R.T. -0.004 min
Lab File: BM046751.D
Acq: 22 Jul 2024 14:44

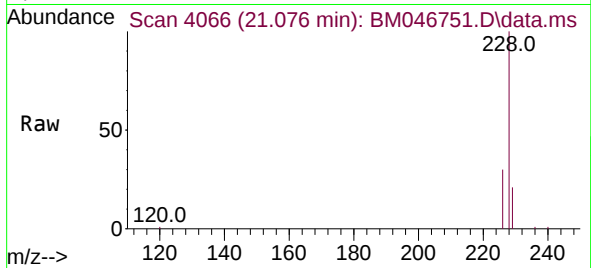
Tgt Ion:202 Resp: 192213
Ion Ratio Lower Upper
202 100
101 6.3 5.1 7.7
100 5.0 3.8 5.6





#21
Benzo(a)anthracene
Concen: 2.770 ng/ul
RT: 21.076 min Scan# 4066
Delta R.T. -0.004 min
Lab File: BM046751.D
Acq: 22 Jul 2024 14:44

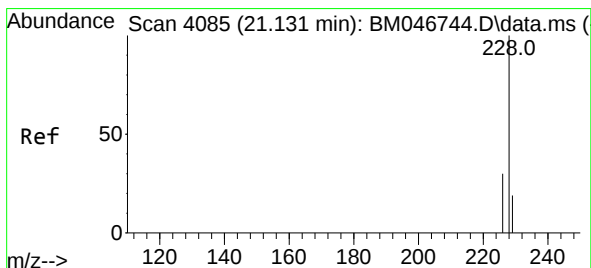
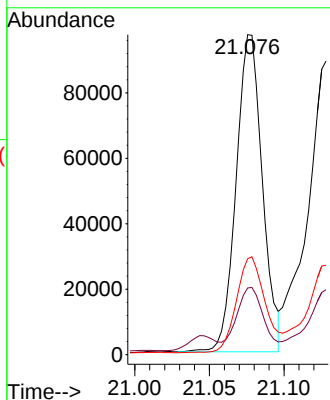
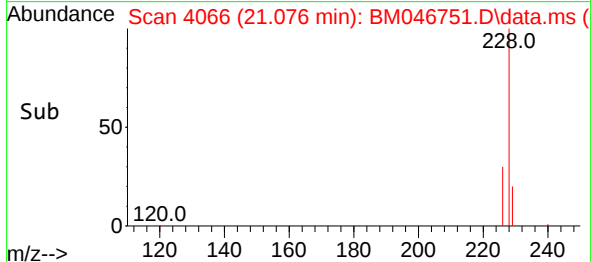
Instrument :
BNA_M
ClientSampleId :
A4CH4



Tgt Ion:228 Resp: 118458
Ion Ratio Lower Upper
228 100
229 20.9 16.5 24.7
226 30.0 22.5 33.7

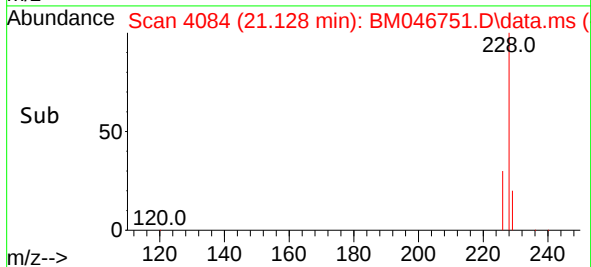
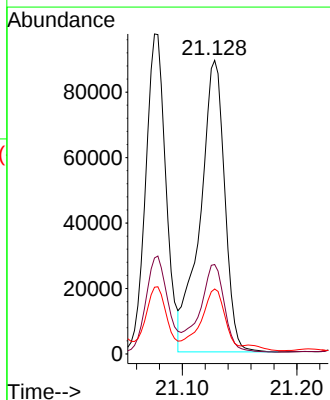
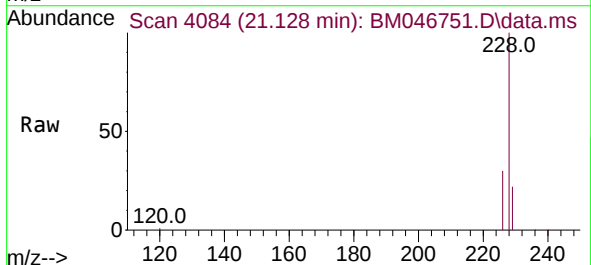
Manual Integrations
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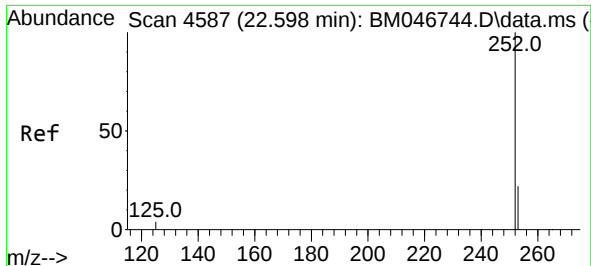
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



#22
Chrysene
Concen: 3.210 ng/ul
RT: 21.128 min Scan# 4084
Delta R.T. -0.004 min
Lab File: BM046751.D
Acq: 22 Jul 2024 14:44

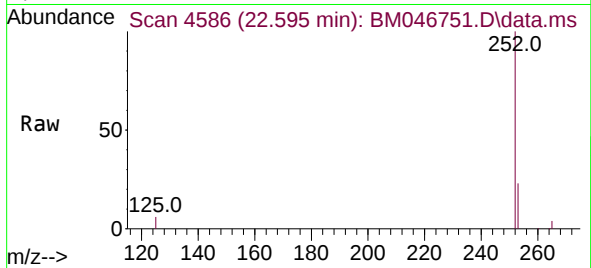
Tgt Ion:228 Resp: 132811
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 22.1 16.4 24.6





#24
Benzo(b)fluoranthene
Concen: 4.565 ng/ul m
RT: 22.595 min Scan# 4586
Delta R.T. -0.004 min
Lab File: BM046751.D
Acq: 22 Jul 2024 14:44

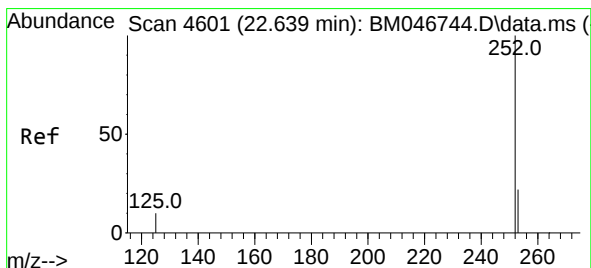
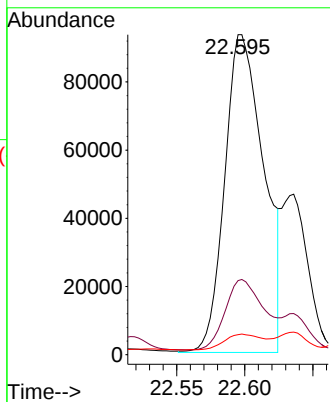
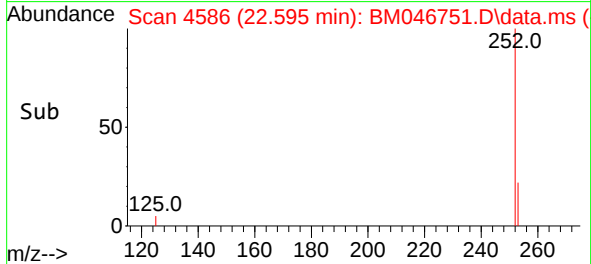
Instrument :
BNA_M
ClientSampleId :
A4CH4



Tgt Ion:252 Resp: 186424
Ion Ratio Lower Upper
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253 23.1 0.0 56.2
125 6.3 0.0 17.8

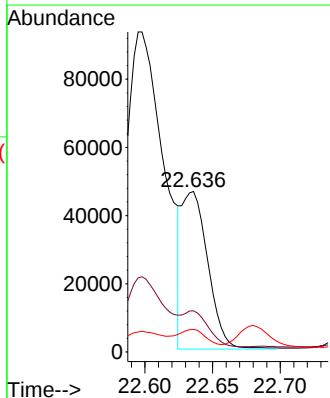
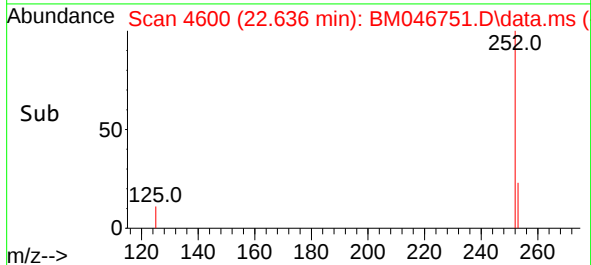
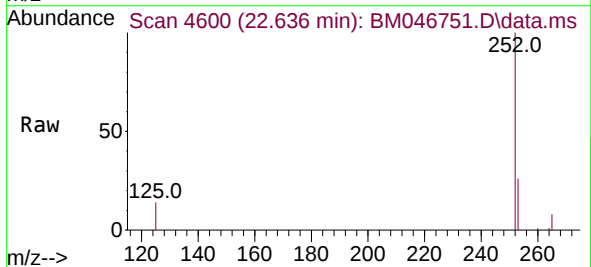
Manual Integrations
APPROVED

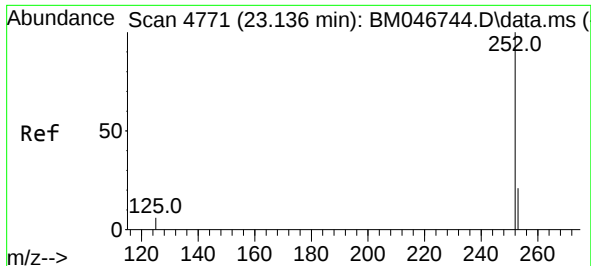
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



#25
Benzo(k)fluoranthene
Concen: 1.557 ng/ul m
RT: 22.636 min Scan# 4600
Delta R.T. -0.004 min
Lab File: BM046751.D
Acq: 22 Jul 2024 14:44

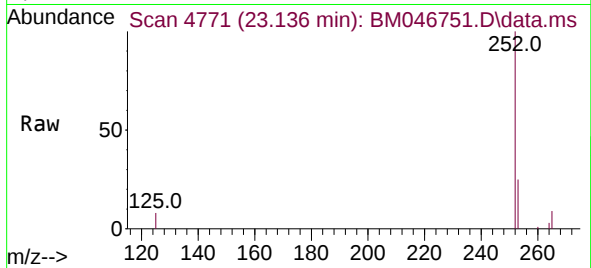
Tgt Ion:252 Resp: 62431
Ion Ratio Lower Upper
252 100
253 25.6 22.4 33.6
125 14.1 7.0 10.4#





#26
Benzo(a)pyrene
Concen: 2.126 ng/ul m
RT: 23.136 min Scan# 4771
Delta R.T. -0.004 min
Lab File: BM046751.D
Acq: 22 Jul 2024 14:44

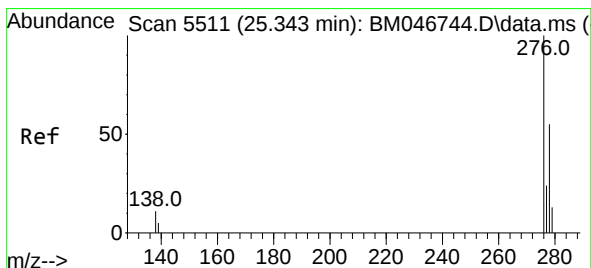
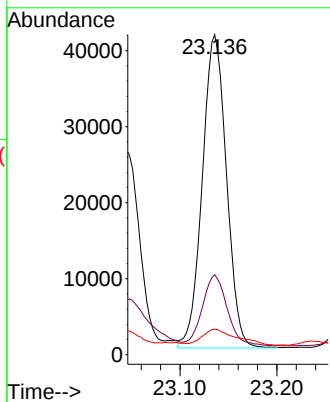
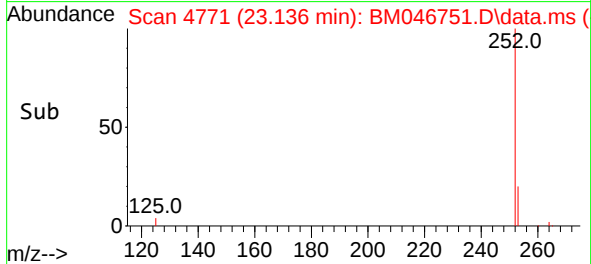
Instrument :
BNA_M
ClientSampleId :
A4CH4



Tgt Ion:252 Resp: 71454
Ion Ratio Lower Upper
252 100
253 25.0 24.0 36.0
125 8.0 8.2 12.2

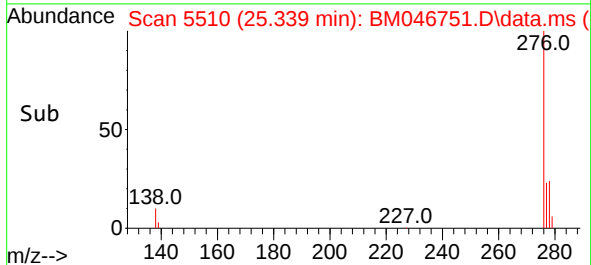
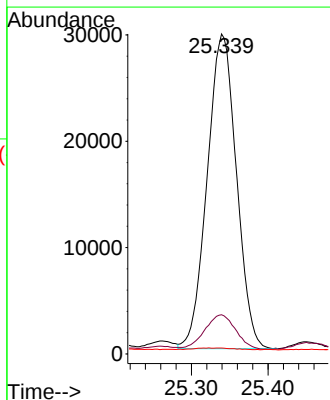
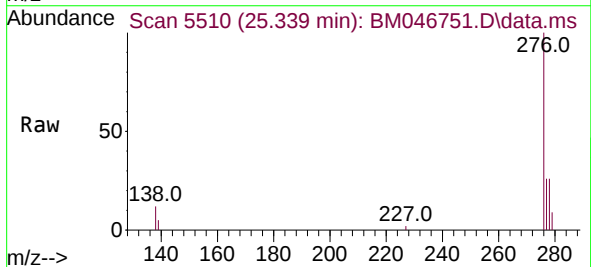
Manual Integrations
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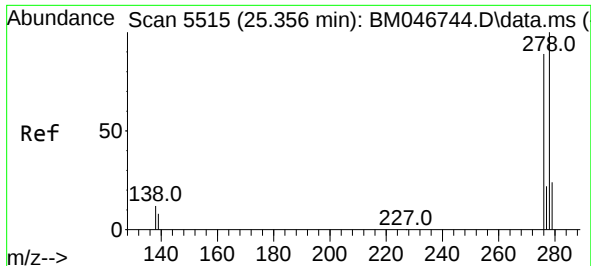
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.530 ng/ul
RT: 25.339 min Scan# 5510
Delta R.T. -0.007 min
Lab File: BM046751.D
Acq: 22 Jul 2024 14:44

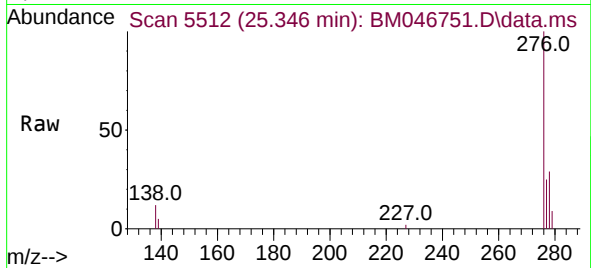
Tgt Ion:276 Resp: 78244
Ion Ratio Lower Upper
276 100
138 11.6 0.0 0.0#
227 0.7 0.2 0.2#





#28
Dibenzo(a,h)anthracene
Concen: 0.602 ng/ul
RT: 25.346 min Scan# 51
Delta R.T. -0.014 min
Lab File: BM046751.D
Acq: 22 Jul 2024 14:44

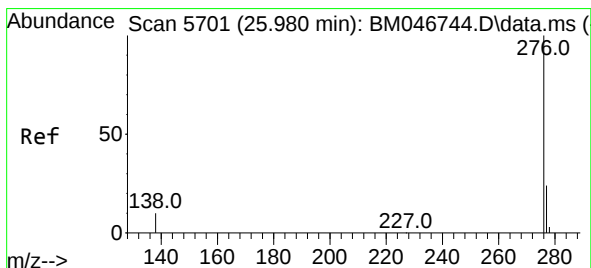
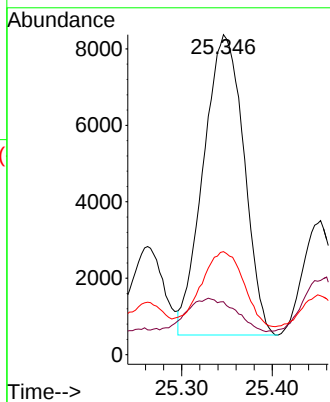
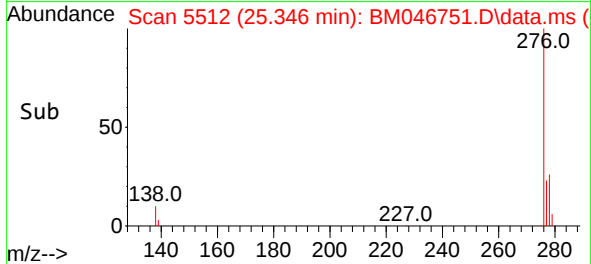
Instrument :
BNA_M
ClientSampleId :
A4CH4



Tgt Ion:278 Resp: 2437
Ion Ratio Lower Upper
278 100
139 16.6 9.1 13.7
279 32.2 23.2 34.8

Manual Integrations
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Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



#29
Benzo(g,h,i)perylene
Concen: 0.310 ng/ul
RT: 25.983 min Scan# 5702
Delta R.T. -0.001 min
Lab File: BM046751.D
Acq: 22 Jul 2024 14:44

Tgt Ion:276 Resp: 12650
Ion Ratio Lower Upper
276 100
138 19.6 10.2 15.4#
277 32.0 20.9 31.3#

