

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071524\
 Data File : BM046647.D
 Acq On : 16 Jul 2024 23:47
 Operator : MA/JU
 Sample : P3101-02DL 5X
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4CD6DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/18/2024

Quant Time: Jul 17 00:54:11 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 : Mon Jul 15 08:57:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.501	152	2698	0.400	ng/ul	0.00
4) Naphthalene-d8	10.260	136	7520	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.141	164	5264	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.896	188	11474	0.400	ng/ul	0.00
17) Chrysene-d12	21.102	240	8488	0.400	ng/ul	0.00
23) Perylene-d12	23.241	264	9608	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.113	96	1946	0.878	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.860	152	938	0.077	ng/ul	0.00
18) Fluoranthene-d10	18.937	212	2349	0.091	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.304	128	2541	0.133	ng/ul	97
7) 2-Methylnaphthalene	11.932	142	1229	0.091	ng/ul	99
8) 1-Methylnaphthalene	12.157	142	930	0.068	ng/ul	95
10) Acenaphthylene	13.859	152	10030	0.419	ng/ul	98
11) Acenaphthene	14.206	153	4065	0.253	ng/ul	96
12) Fluorene	15.201	166	5310	0.267	ng/ul	98
14) Pentachlorophenol	16.554	266	130	0.022	ng/ul#	83
15) Phenanthrene	16.939	178	119868	3.661	ng/ul	98
16) Anthracene	17.027	178	24571	0.769	ng/ul	99
19) Fluoranthene	18.965	202	254807	7.309	ng/ul	99
20) Pyrene	19.327	202	177752	4.709	ng/ul	99
21) Benzo(a)anthracene	21.087	228	106305	2.831	ng/ul	97
22) Chrysene	21.137	228	115870	3.189	ng/ul	98
24) Benzo(b)fluoranthene	22.610	252	163395m	4.258	ng/ul	
25) Benzo(k)fluoranthene	22.645	252	56434m	1.498	ng/ul	
26) Benzo(a)pyrene	23.148	252	58583m	1.855	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.360	276	61946	1.289	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.370	278	19808	0.521	ng/ul#	93
29) Benzo(g,h,i)perylene	26.003	276	9054	0.236	ng/ul#	86

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

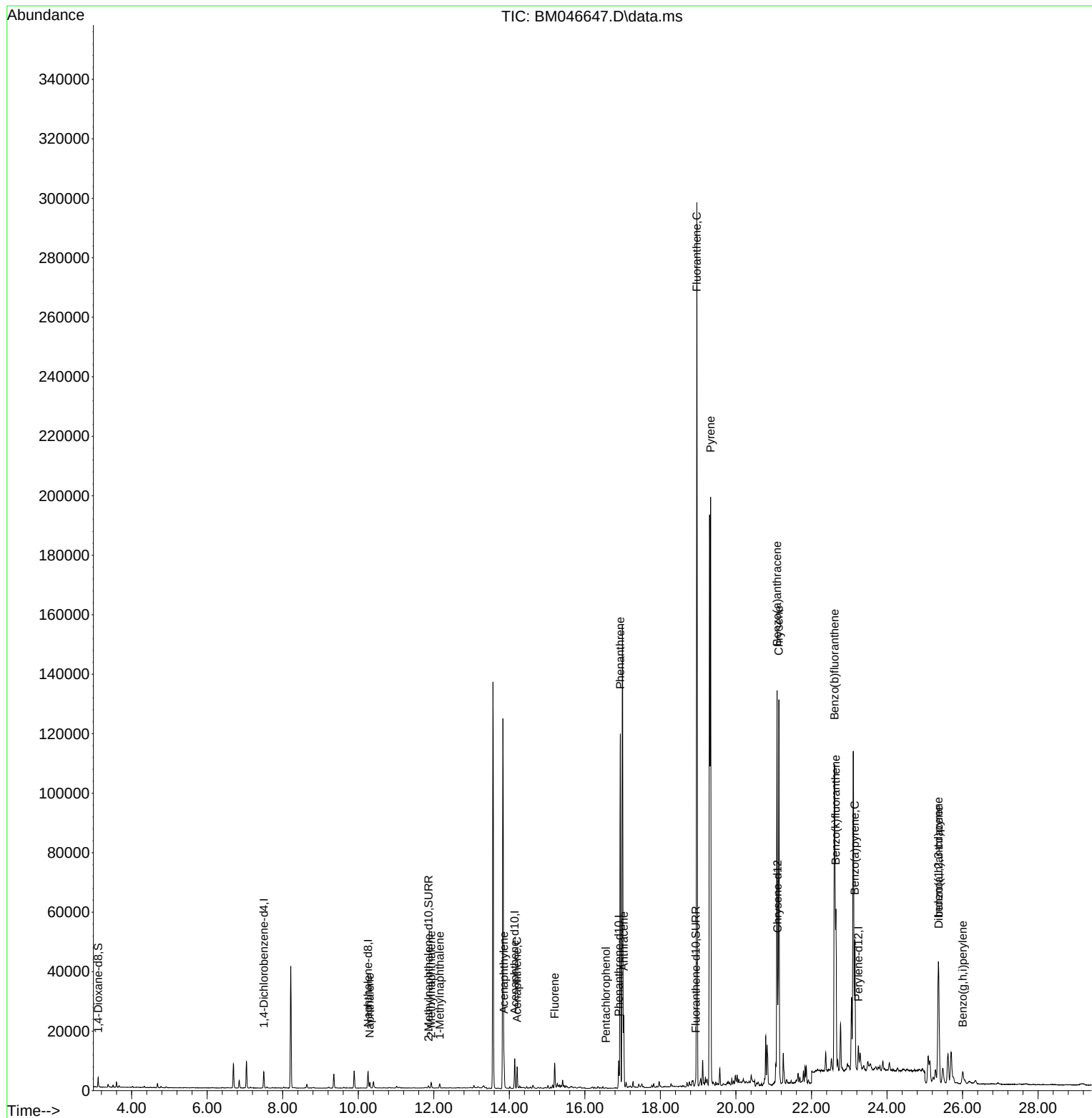
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071524\
Data File : BM046647.D
Acq On : 16 Jul 2024 23:47
Operator : MA/JU
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ALS Vial : 59 Sample Multiplier: 1

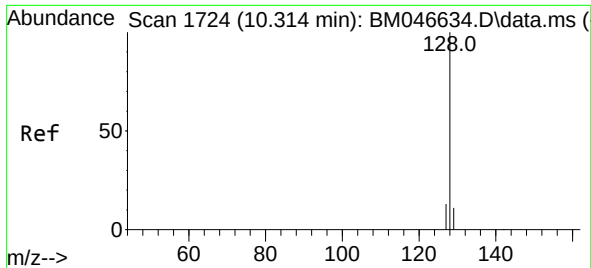
Instrument :
BNA_M
ClientSampleId :
A4CD6DL

Quant Time: Jul 17 00:54:11 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 : Mon Jul 15 08:57:27 2024
Response via : Initial Calibration

Manual Integrations
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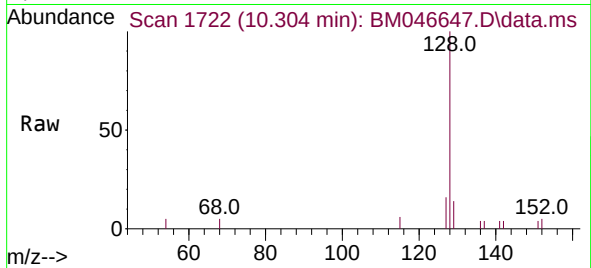
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024





#5
Naphthalene
Concen: 0.133 ng/ul
RT: 10.304 min Scan# 1724
Delta R.T. -0.011 min
Lab File: BM046647.D
Acq: 16 Jul 2024 23:47

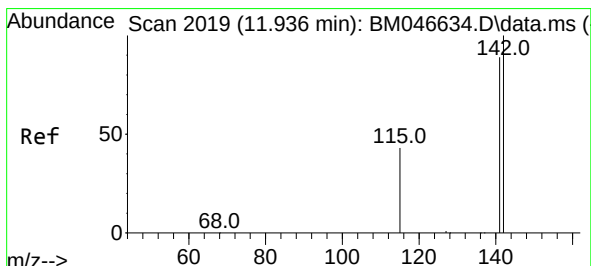
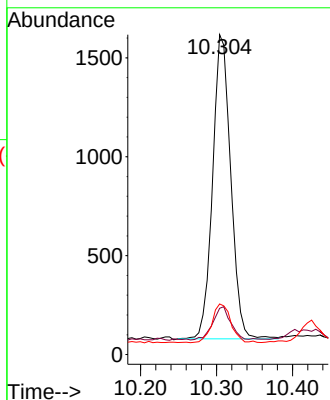
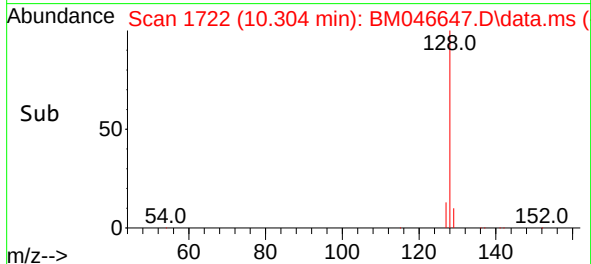
Instrument :
BNA_M
ClientSampleId :
A4CD6DL



Tgt Ion:128 Resp: 254
Ion Ratio Lower Upper
128 100
129 14.5 10.3 15.5
127 15.8 12.2 18.4

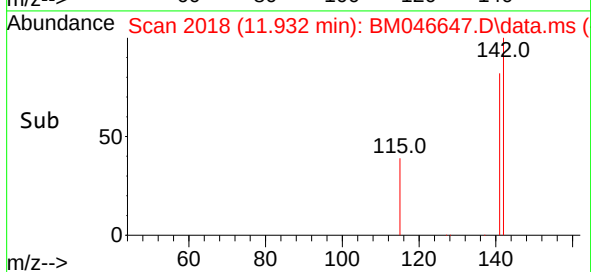
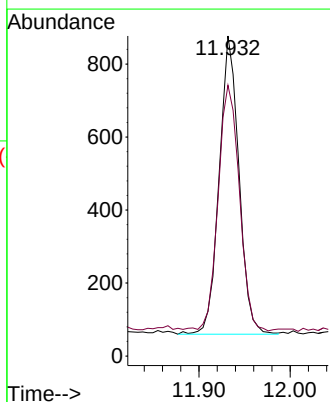
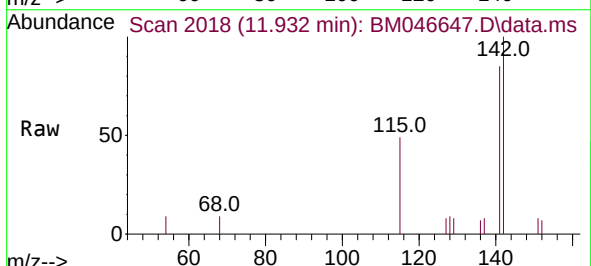
Manual Integrations
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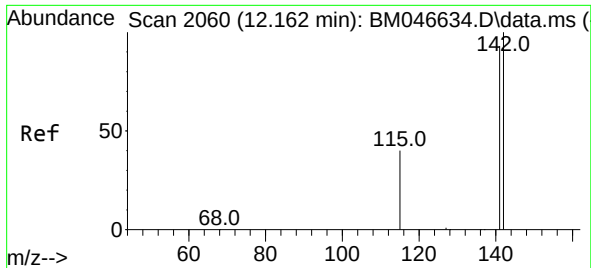
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#7
2-Methylnaphthalene
Concen: 0.091 ng/ul
RT: 11.932 min Scan# 2018
Delta R.T. -0.011 min
Lab File: BM046647.D
Acq: 16 Jul 2024 23:47

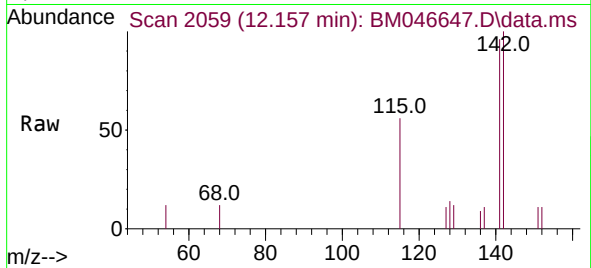
Tgt Ion:142 Resp: 1229
Ion Ratio Lower Upper
142 100
141 88.9 70.3 105.5





#8
1-Methylnaphthalene
Concen: 0.068 ng/ul
RT: 12.157 min Scan# 2060
Delta R.T. -0.006 min
Lab File: BM046647.D
Acq: 16 Jul 2024 23:47

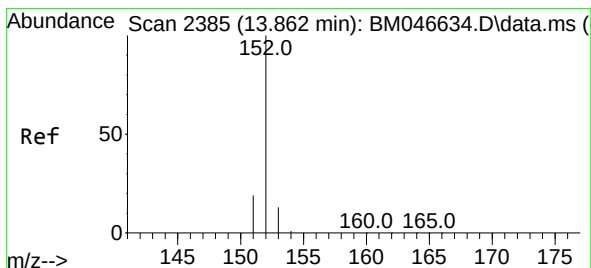
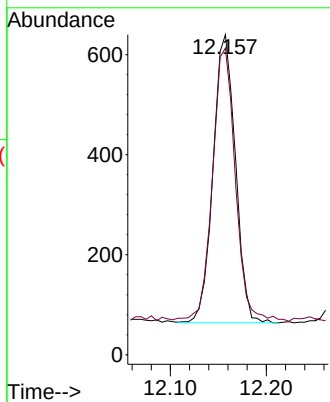
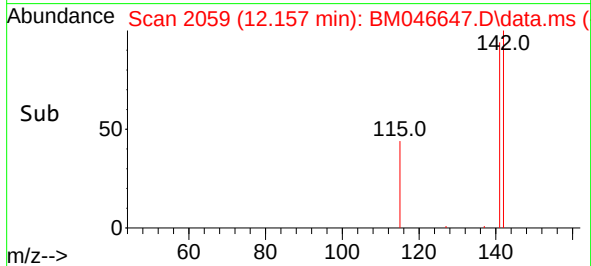
Instrument :
BNA_M
ClientSampleId :
A4CD6DL



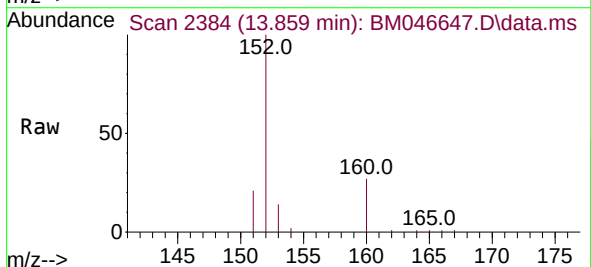
Tgt Ion:142 Resp: 930
Ion Ratio Lower Upper
142 100
141 97.2 73.9 110.9

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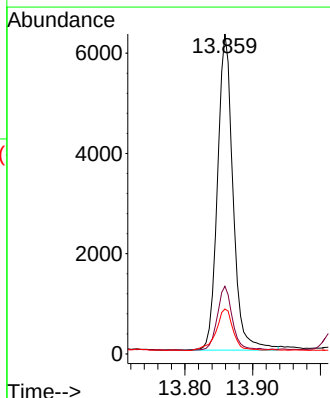
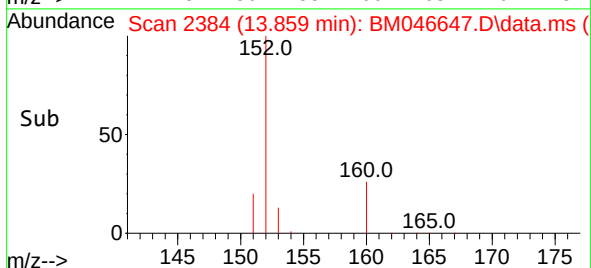
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024

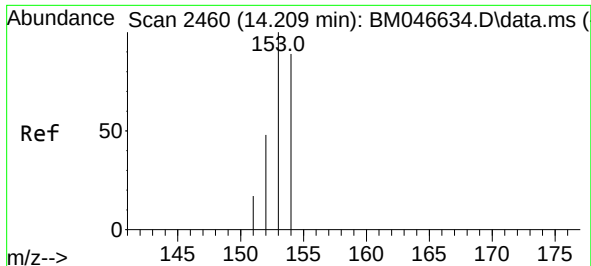


#10
Acenaphthylene
Concen: 0.419 ng/ul
RT: 13.859 min Scan# 2384
Delta R.T. -0.005 min
Lab File: BM046647.D
Acq: 16 Jul 2024 23:47



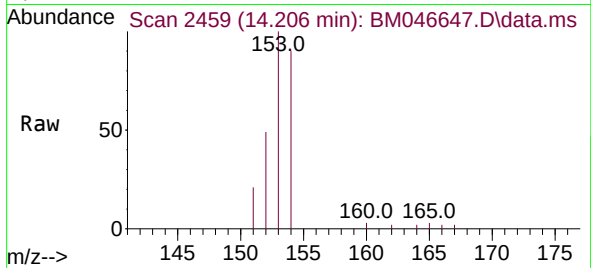
Tgt Ion:152 Resp: 10030
Ion Ratio Lower Upper
152 100
151 21.2 16.4 24.6
153 14.0 12.4 18.6





#11
Acenaphthene
Concen: 0.253 ng/ul
RT: 14.206 min Scan# 2460
Delta R.T. -0.005 min
Lab File: BM046647.D
Acq: 16 Jul 2024 23:47

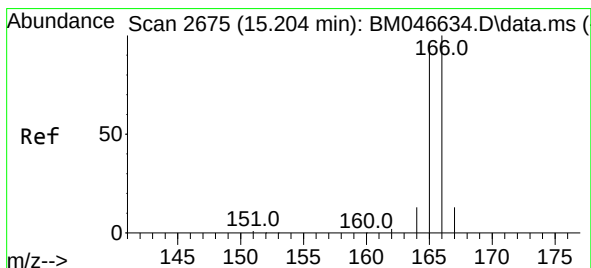
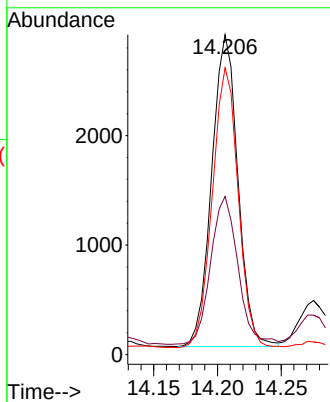
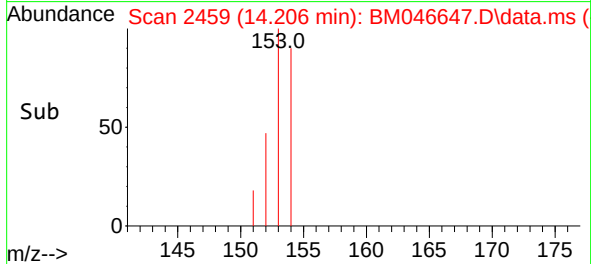
Instrument :
BNA_M
ClientSampleId :
A4CD6DL



Tgt Ion:153 Resp: 406
Ion Ratio Lower Upper
153 100
152 49.5 43.0 64.6
154 89.6 69.9 104.9

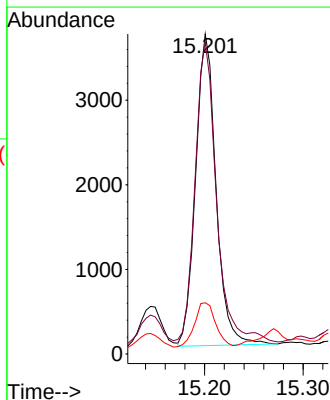
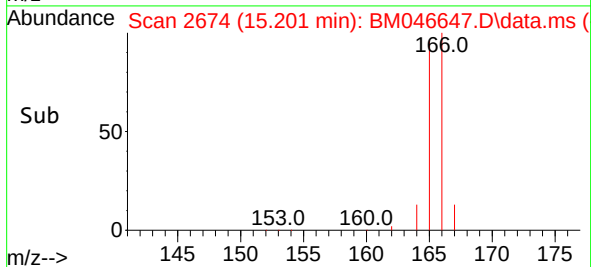
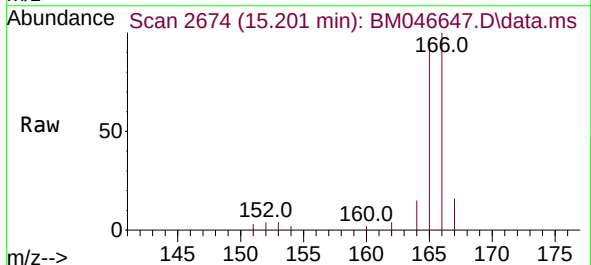
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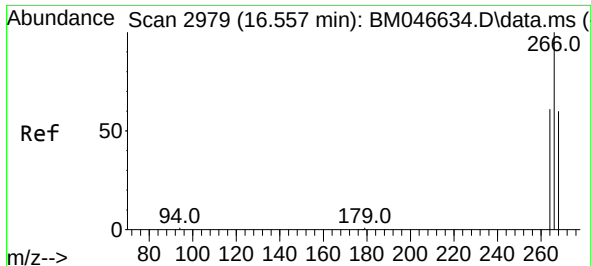
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#12
Fluorene
Concen: 0.267 ng/ul
RT: 15.201 min Scan# 2674
Delta R.T. -0.005 min
Lab File: BM046647.D
Acq: 16 Jul 2024 23:47

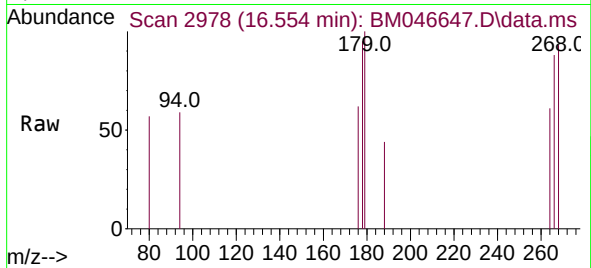
Tgt Ion:166 Resp: 5310
Ion Ratio Lower Upper
166 100
165 97.5 76.1 114.1
167 16.0 12.5 18.7





#14
Pentachlorophenol
Concen: 0.022 ng/ul
RT: 16.554 min Scan# 2978
Delta R.T. -0.000 min
Lab File: BM046647.D
Acq: 16 Jul 2024 23:47

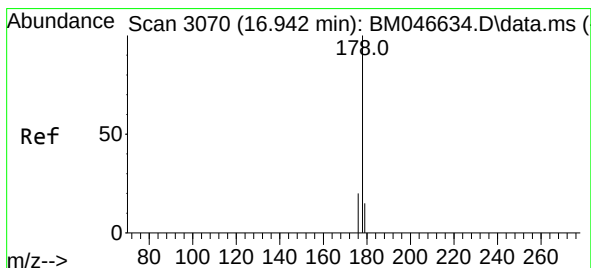
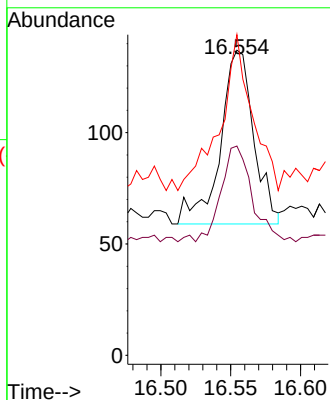
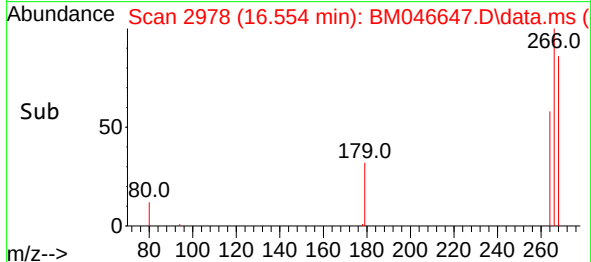
Instrument :
BNA_M
ClientSampleId :
A4CD6DL



Tgt Ion:266 Resp: 130
Ion Ratio Lower Upper
266 100
264 56.2 50.1 75.1
268 86.2 52.5 78.7

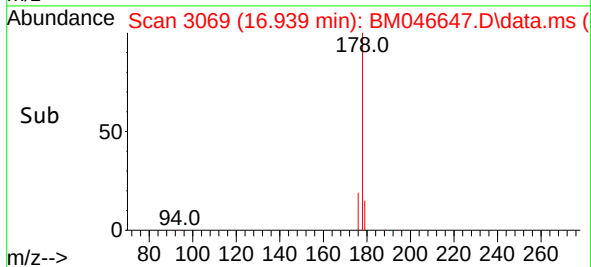
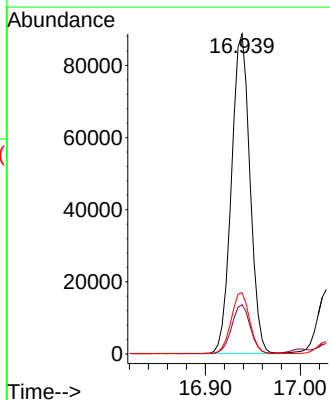
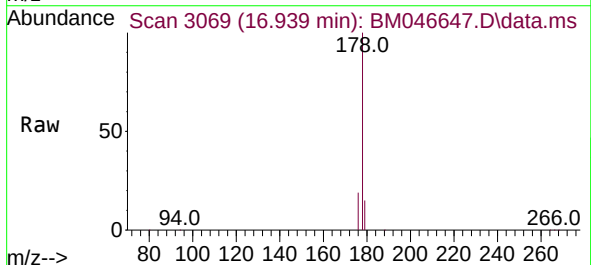
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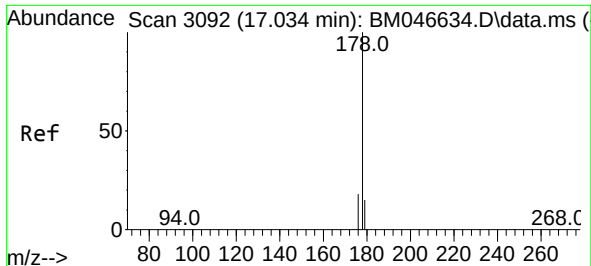
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#15
Phenanthrene
Concen: 3.661 ng/ul
RT: 16.939 min Scan# 3069
Delta R.T. -0.005 min
Lab File: BM046647.D
Acq: 16 Jul 2024 23:47

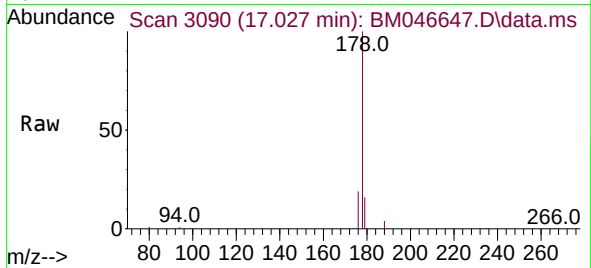
Tgt Ion:178 Resp: 119868
Ion Ratio Lower Upper
178 100
179 15.4 13.1 19.7
176 19.1 16.0 24.0





#16
 Anthracene
 Concen: 0.769 ng/ul
 RT: 17.027 min Scan# 3092
 Delta R.T. -0.005 min
 Lab File: BM046647.D
 Acq: 16 Jul 2024 23:47

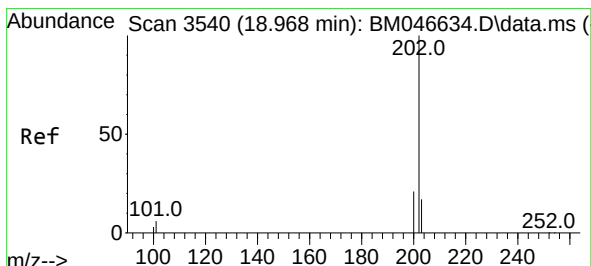
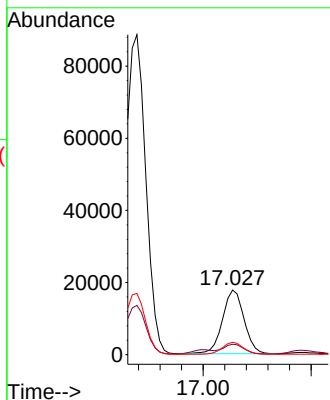
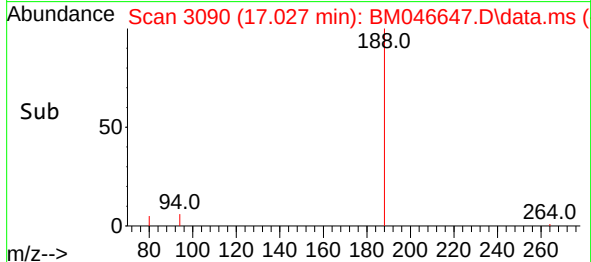
Instrument :
 BNA_M
 ClientSampleId :
 A4CD6DL



Tgt Ion:178 Resp: 2457
 Ion Ratio Lower Upper
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 179 16.0 13.5 20.3
 176 19.2 15.7 23.5

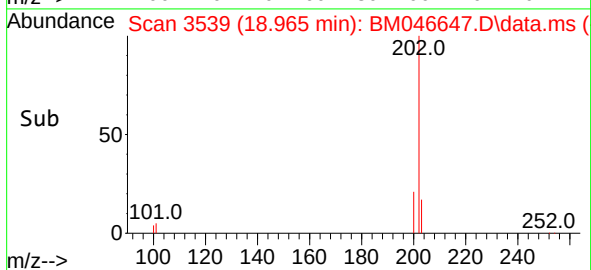
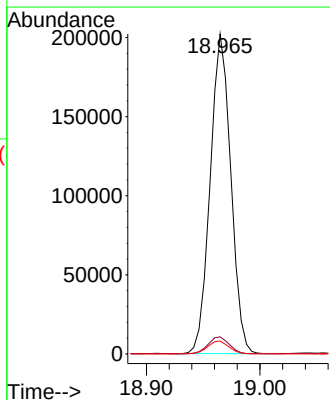
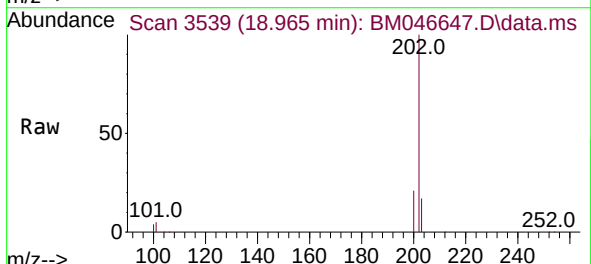
Manual Integrations
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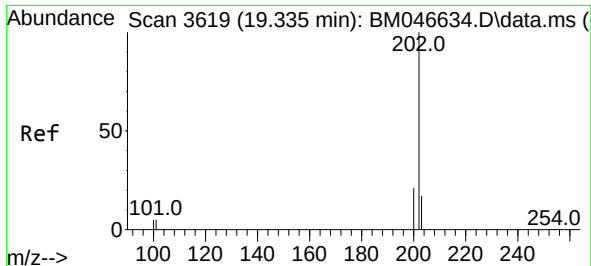
Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/18/2024



#19
 Fluoranthene
 Concen: 7.309 ng/ul
 RT: 18.965 min Scan# 3539
 Delta R.T. -0.005 min
 Lab File: BM046647.D
 Acq: 16 Jul 2024 23:47

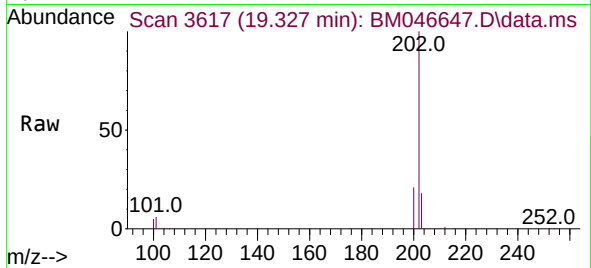
Tgt Ion:202 Resp: 254807
 Ion Ratio Lower Upper
 202 100
 101 5.4 4.6 6.8
 100 4.1 3.0 4.6





#20
Pyrene
Concen: 4.709 ng/uI
RT: 19.327 min Scan# 30
Delta R.T. -0.005 min
Lab File: BM046647.D
Acq: 16 Jul 2024 23:47

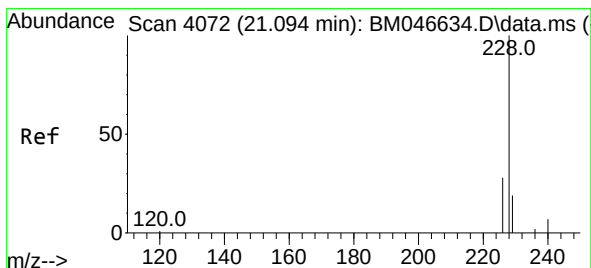
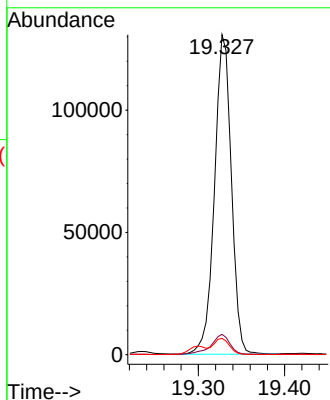
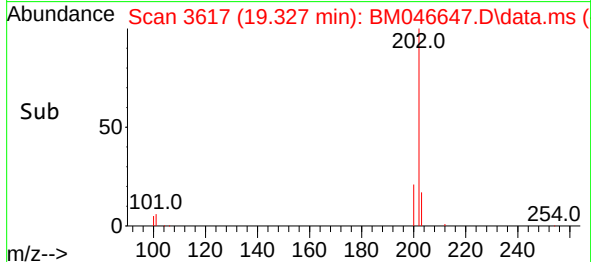
Instrument :
BNA_M
ClientSampleId :
A4CD6DL



Tgt Ion:202 Resp: 17775
Ion Ratio Lower Upper
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101 6.4 5.1 7.7
100 5.1 3.8 5.6

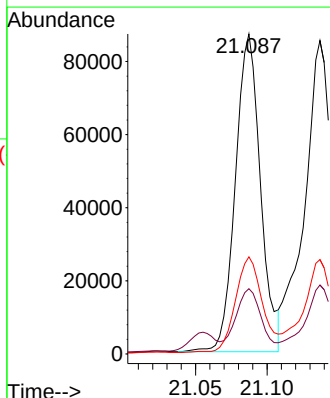
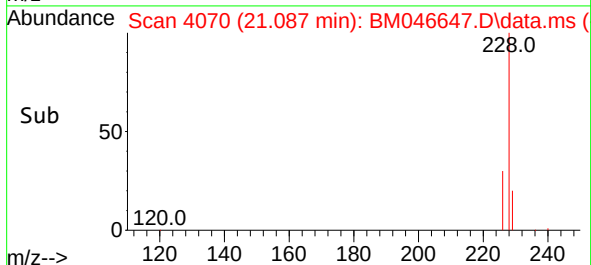
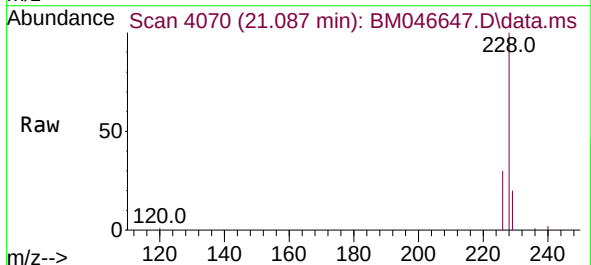
Manual Integrations
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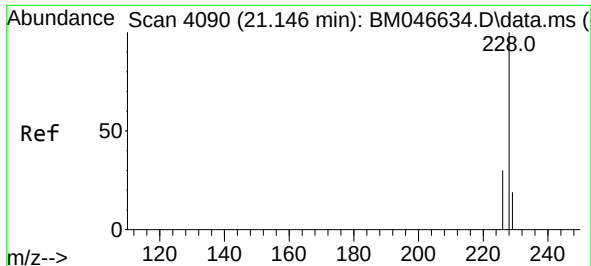
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#21
Benzo(a)anthracene
Concen: 2.831 ng/uI
RT: 21.087 min Scan# 4070
Delta R.T. -0.000 min
Lab File: BM046647.D
Acq: 16 Jul 2024 23:47

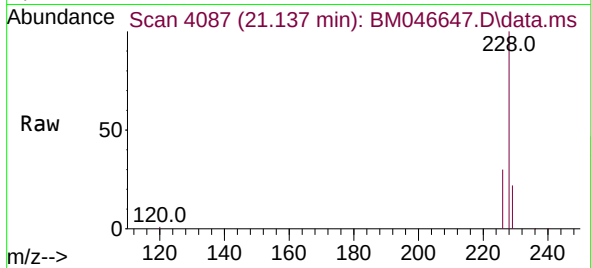
Tgt Ion:228 Resp: 106305
Ion Ratio Lower Upper
228 100
229 20.4 16.5 24.7
226 30.3 22.5 33.7





#22
Chrysene
Concen: 3.189 ng/ul
RT: 21.137 min Scan# 4090
Delta R.T. -0.003 min
Lab File: BM046647.D
Acq: 16 Jul 2024 23:47

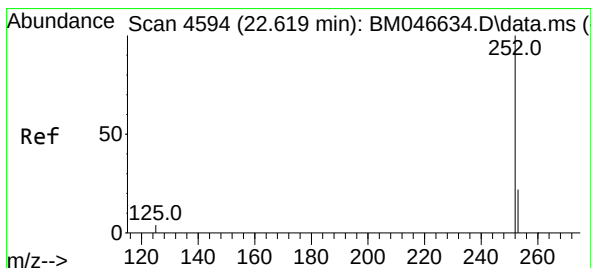
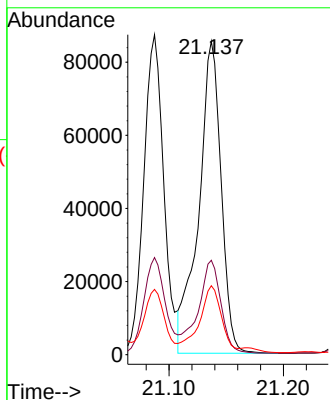
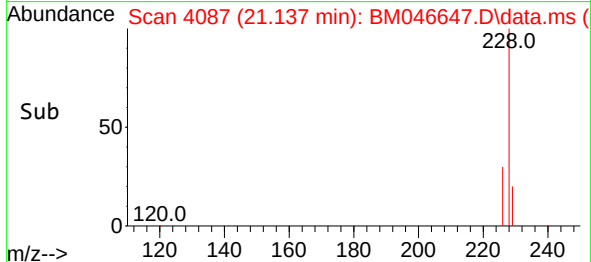
Instrument :
BNA_M
ClientSampleId :
A4CD6DL



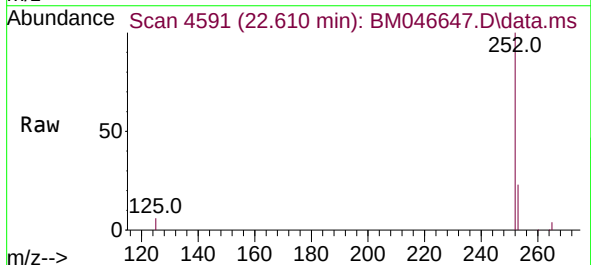
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Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 22.0 16.4 24.6

Manual Integrations
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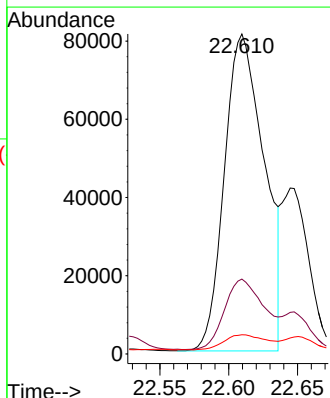
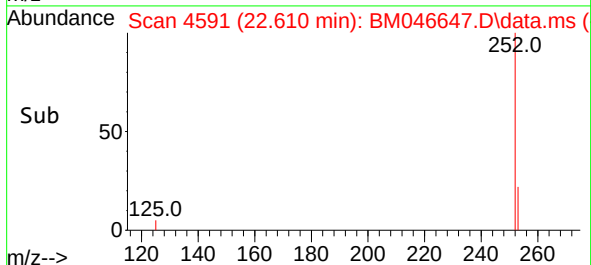
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024

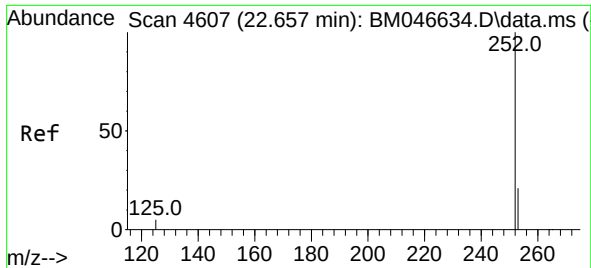


#24
Benzo(b)fluoranthene
Concen: 4.258 ng/ul m
RT: 22.610 min Scan# 4591
Delta R.T. -0.000 min
Lab File: BM046647.D
Acq: 16 Jul 2024 23:47



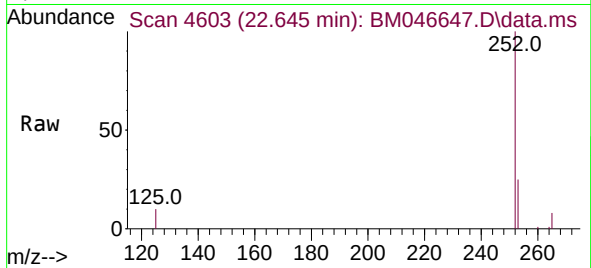
Tgt Ion:252 Resp: 163395
Ion Ratio Lower Upper
252 100
253 23.4 0.0 56.2
125 6.0 0.0 17.8





#25
Benzo(k)fluoranthene
Concen: 1.498 ng/ul m
RT: 22.645 min Scan# 4603
Delta R.T. -0.006 min
Lab File: BM046647.D
Acq: 16 Jul 2024 23:47

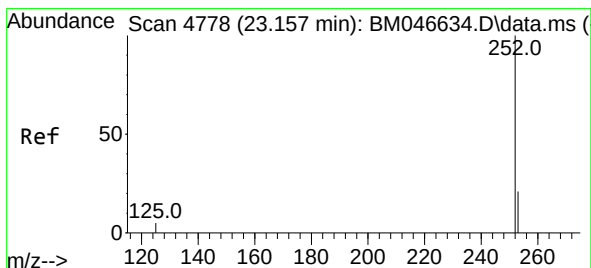
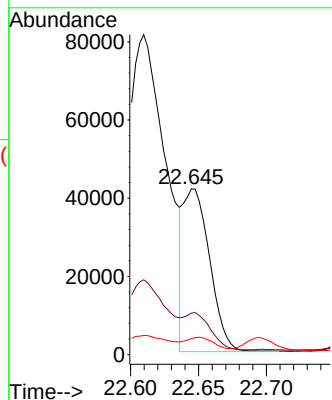
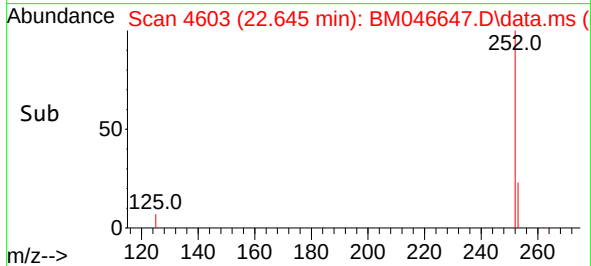
Instrument :
BNA_M
ClientSampleId :
A4CD6DL



Tgt Ion:252 Resp: 56434
Ion Ratio Lower Upper
252 100
253 25.1 22.4 33.6
125 9.6 7.0 10.4

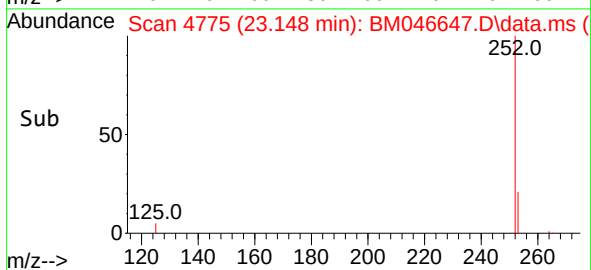
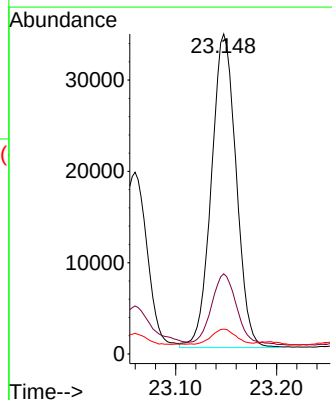
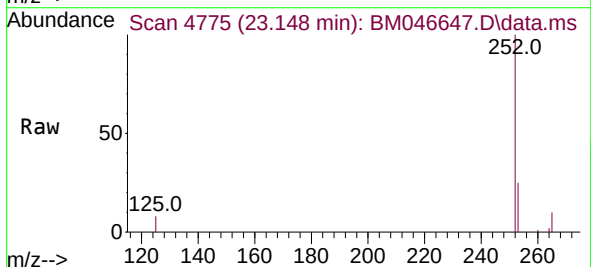
Manual Integrations
APPROVED

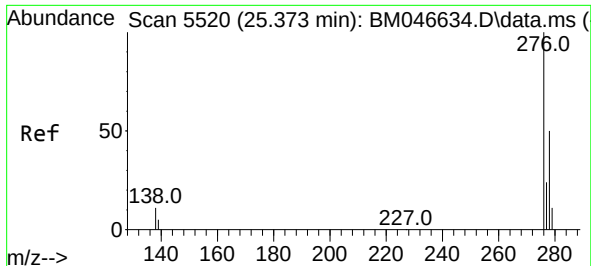
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#26
Benzo(a)pyrene
Concen: 1.855 ng/ul m
RT: 23.148 min Scan# 4775
Delta R.T. -0.003 min
Lab File: BM046647.D
Acq: 16 Jul 2024 23:47

Tgt Ion:252 Resp: 58583
Ion Ratio Lower Upper
252 100
253 25.1 24.0 36.0
125 7.7 8.2 12.2#





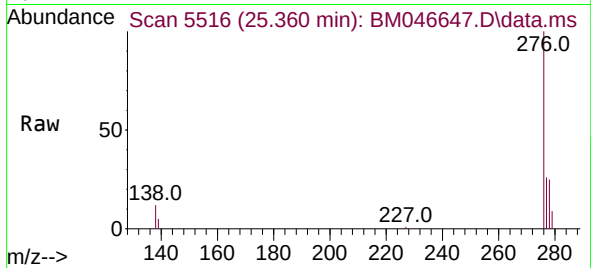
#27
Indeno(1,2,3-cd)pyrene
Concen: 1.289 ng/ul
RT: 25.360 min Scan# 5516
Delta R.T. -0.000 min
Lab File: BM046647.D
Acq: 16 Jul 2024 23:47

Instrument :

BNA_M

ClientSampleId :

A4CD6DL



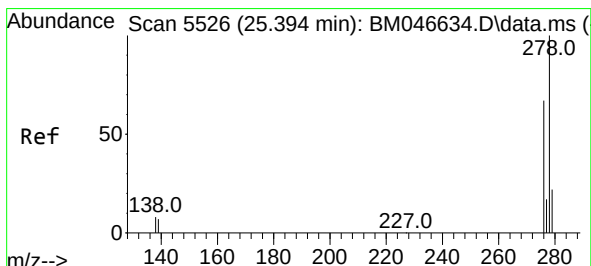
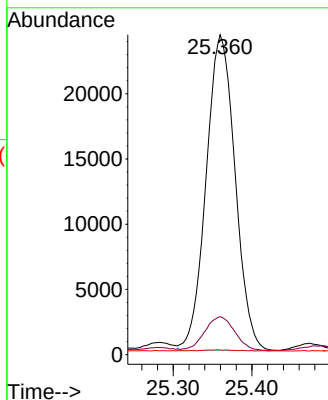
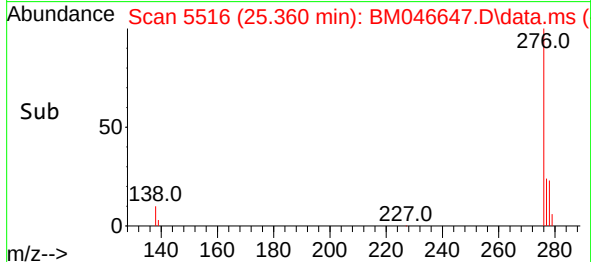
Tgt Ion:276 Resp: 61940
Ion Ratio Lower Upper
276 100
138 11.2 0.0 0.0
227 0.4 0.2 0.2

Manual Integrations

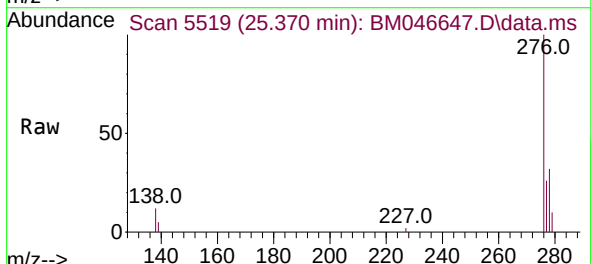
APPROVED

Reviewed By :Yogesh Patel 07/18/2024

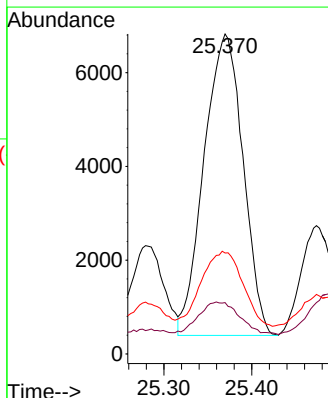
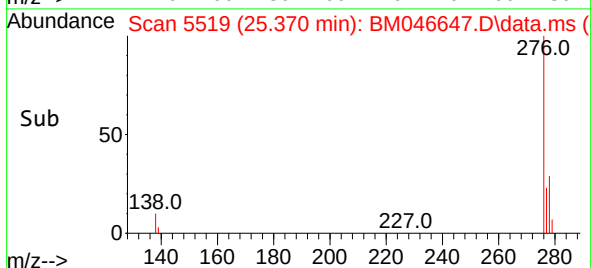
Supervised By :mohammad ahmed 07/18/2024

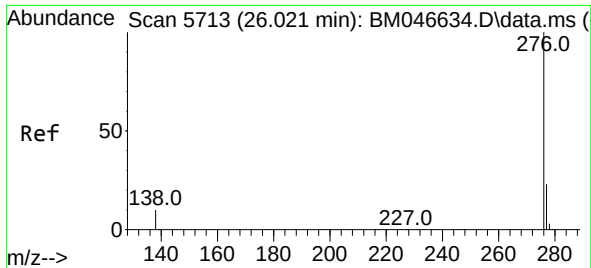


#28
Dibenzo(a,h)anthracene
Concen: 0.521 ng/ul
RT: 25.370 min Scan# 5519
Delta R.T. -0.014 min
Lab File: BM046647.D
Acq: 16 Jul 2024 23:47



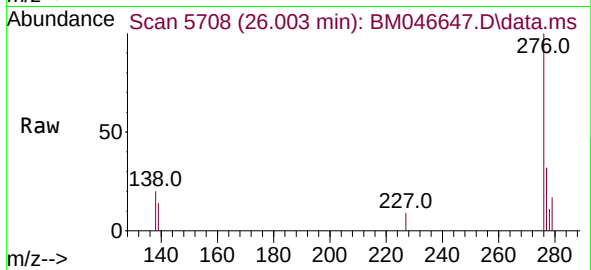
Tgt Ion:278 Resp: 19808
Ion Ratio Lower Upper
278 100
139 16.0 9.1 13.7
279 31.6 23.2 34.8





#29
Benzo(g,h,i)perylene
Concen: 0.236 ng/ul
RT: 26.003 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM046647.D
Acq: 16 Jul 2024 23:47

Instrument :
BNA_M
ClientSampleId :
A4CD6DL



Tgt Ion:276 Resp: 9054
Ion Ratio Lower Upper
276 100
138 20.1 10.2 15.4
277 32.2 20.9 31.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024

