

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
 Data File : BM041022.D
 Acq On : 21 Jul 2023 17:30
 Operator : MA/JU
 Sample : 03472-34
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A46S4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/22/2023
 Supervised By :mohammad ahmed 07/22/2023

Quant Time: Jul 21 18:24:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 21 18:20:46 2023
 Response via : Initial Calibration

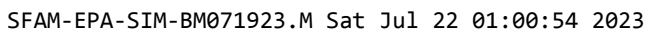
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

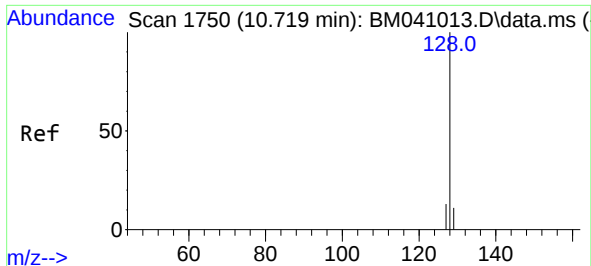
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	3629	0.400	ng/ul	0.00
4) Naphthalene-d8	10.669	136	13017	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.518	164	7149	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.270	188	19908	0.400	ng/ul	0.00
17) Chrysene-d12	21.466	240	11638	0.400	ng/ul	0.00
23) Perylene-d12	23.857	264	9487	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.280	96	9669	1.621	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.264	152	5530	0.319	ng/ul	0.00
18) Fluoranthene-d10	19.301	212	11925	0.244	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.719	128	7494	0.210	ng/ul	97
7) 2-Methylnaphthalene	12.335	142	1095	0.056	ng/ul	98
8) 1-Methylnaphthalene	12.555	142	932	0.045	ng/ul	87
10) Acenaphthylene	14.236	152	3194	0.107	ng/ul#	87
11) Acenaphthene	14.578	153	3743	0.142	ng/ul	97
12) Fluorene	15.568	166	5805	0.212	ng/ul	99
15) Phenanthrene	17.312	178	107106	1.800	ng/ul	98
16) Anthracene	17.405	178	6379	0.138	ng/ul#	94
19) Fluoranthene	19.334	202	164766	2.742	ng/ul#	92
20) Pyrene	19.696	202	111633	1.819	ng/ul	93
21) Benzo(a)anthracene	21.448	228	53675	1.514	ng/ul	99
22) Chrysene	21.501	228	71066	1.753	ng/ul	99
24) Benzo(b)fluoranthene	23.129	252	78571	2.158	ng/ul	88
25) Benzo(k)fluoranthene	23.173	252	28481m	0.823	ng/ul	
26) Benzo(a)pyrene	23.752	252	9611	0.306	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	26.327	276	24746	0.593	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.337	278	8429	0.267	ng/ul	98
29) Benzo(g,h,i)perylene	27.082	276	1881	0.049	ng/ul#	59

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

Manual Integrations APPROVED

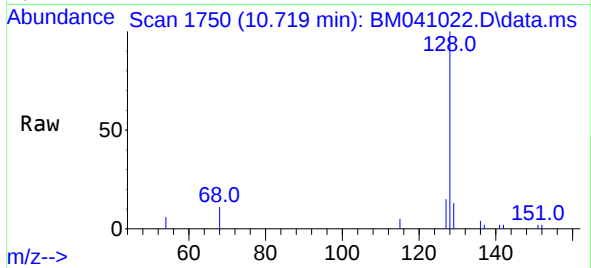
Quant Time: Jul 21 18:24:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 21 18:20:46 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.210 ng/ul
RT: 10.719 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM041022.D
Acq: 21 Jul 2023 17:30

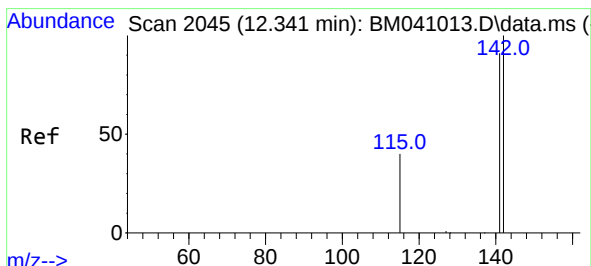
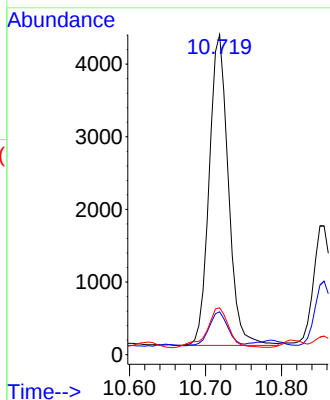
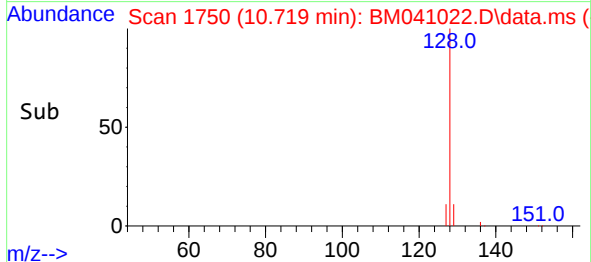
Instrument :
BNA_M
ClientSampleId :
A46S4



Tgt Ion:128 Resp: 7494
Ion Ratio Lower Upper
128 100
129 13.4 9.8 14.8
127 14.7 11.0 16.4

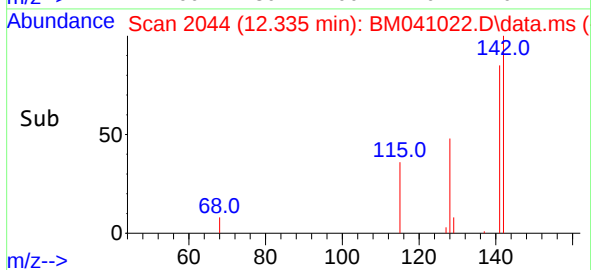
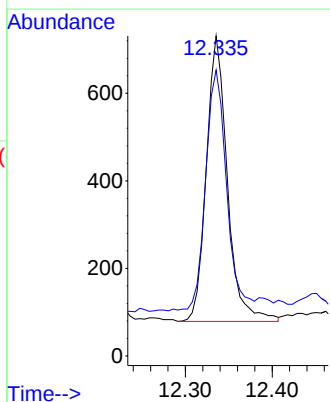
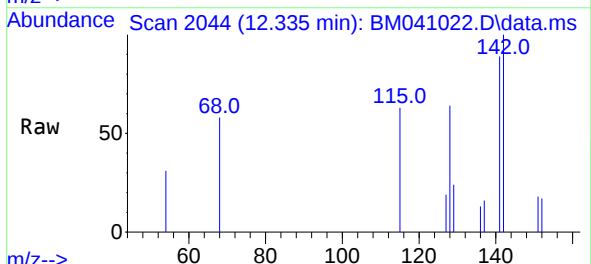
Manual Integrations
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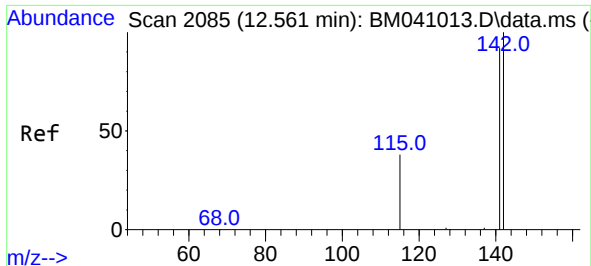
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#7
2-Methylnaphthalene
Concen: 0.056 ng/ul
RT: 12.335 min Scan# 2044
Delta R.T. -0.006 min
Lab File: BM041022.D
Acq: 21 Jul 2023 17:30

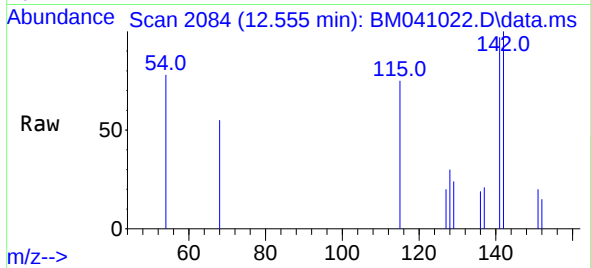
Tgt Ion:142 Resp: 1095
Ion Ratio Lower Upper
142 100
141 89.1 73.2 109.8





#8
1-Methylnaphthalene
Concen: 0.045 ng/ul
RT: 12.555 min Scan# 2085
Delta R.T. -0.006 min
Lab File: BM041022.D
Acq: 21 Jul 2023 17:30

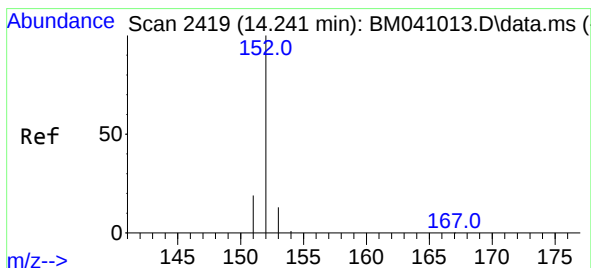
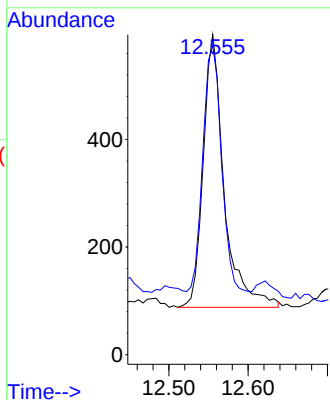
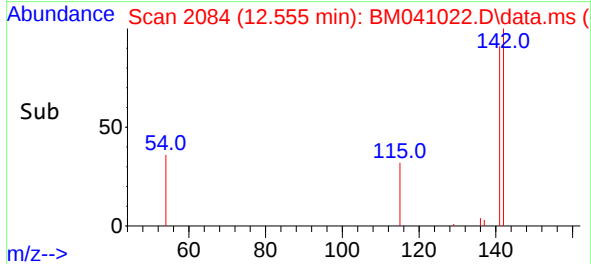
Instrument :
BNA_M
ClientSampleId :
A46S4



Tgt Ion:142 Resp: 932
Ion Ratio Lower Upper
142 100
141 79.4 73.4 110.2

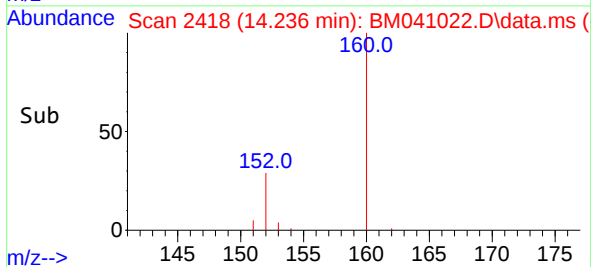
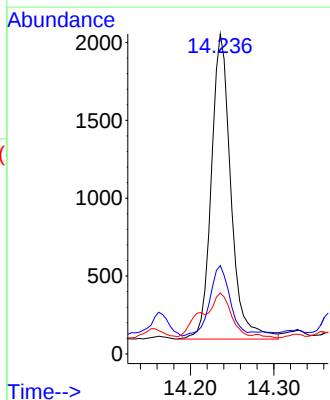
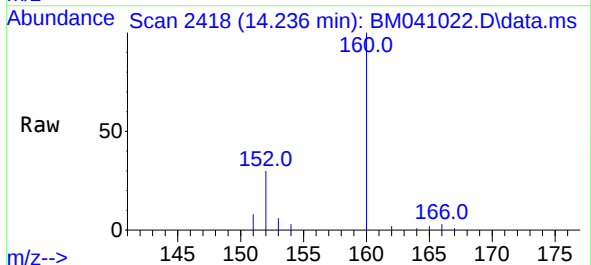
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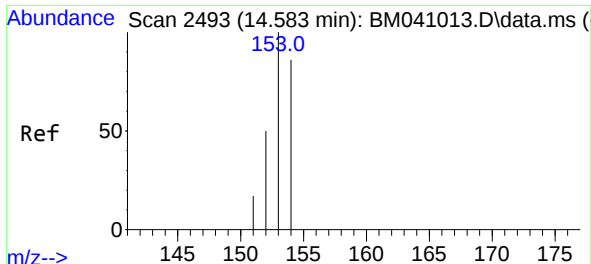
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#10
Acenaphthylene
Concen: 0.107 ng/ul
RT: 14.236 min Scan# 2418
Delta R.T. -0.005 min
Lab File: BM041022.D
Acq: 21 Jul 2023 17:30

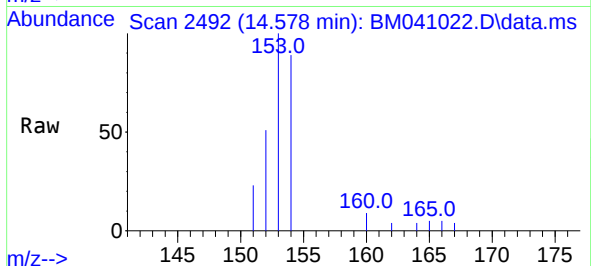
Tgt Ion:152 Resp: 3194
Ion Ratio Lower Upper
152 100
151 27.6 16.8 25.2#
153 19.0 11.6 17.4#





#11
Acenaphthene
Concen: 0.142 ng/u1
RT: 14.578 min Scan# 2493
Delta R.T. -0.005 min
Lab File: BM041022.D
Acq: 21 Jul 2023 17:30

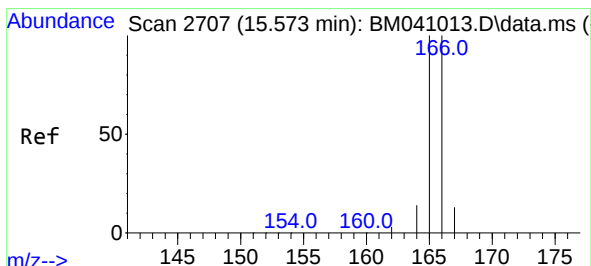
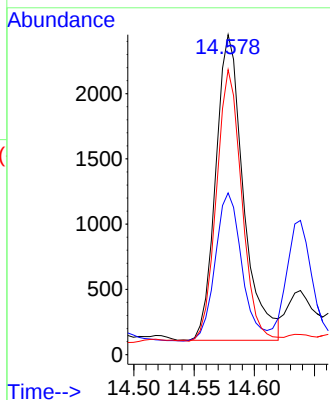
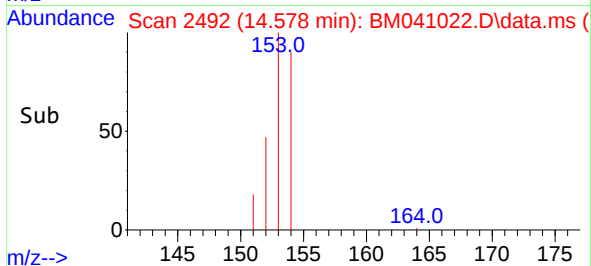
Instrument :
BNA_M
ClientSampleId :
A46S4



Tgt Ion:153 Resp: 374
Ion Ratio Lower Upper
153 100
152 50.5 41.0 61.6
154 89.1 68.2 102.2

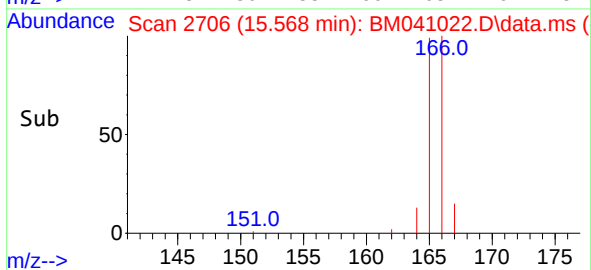
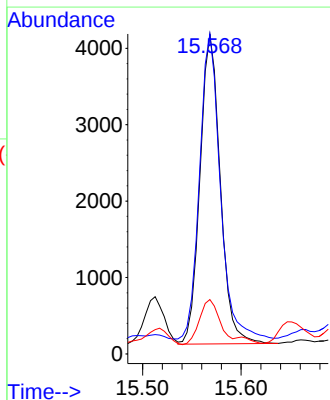
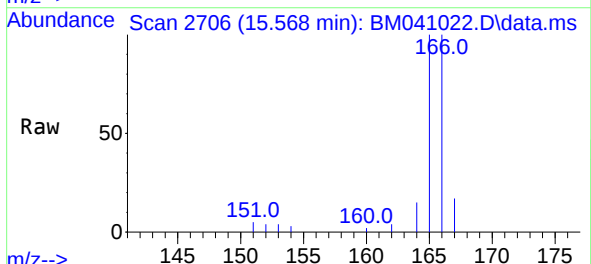
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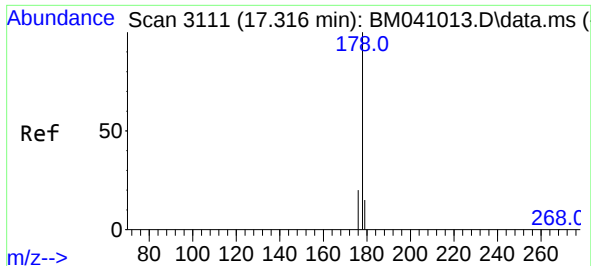
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#12
Fluorene
Concen: 0.212 ng/u1
RT: 15.568 min Scan# 2706
Delta R.T. -0.005 min
Lab File: BM041022.D
Acq: 21 Jul 2023 17:30

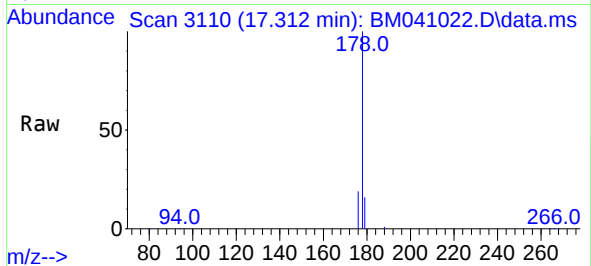
Tgt Ion:166 Resp: 5805
Ion Ratio Lower Upper
166 100
165 100.1 80.3 120.5
167 17.0 11.7 17.5





#15
Phenanthrene
Concen: 1.800 ng/u1
RT: 17.312 min Scan# 3111
Delta R.T. -0.004 min
Lab File: BM041022.D
Acq: 21 Jul 2023 17:30

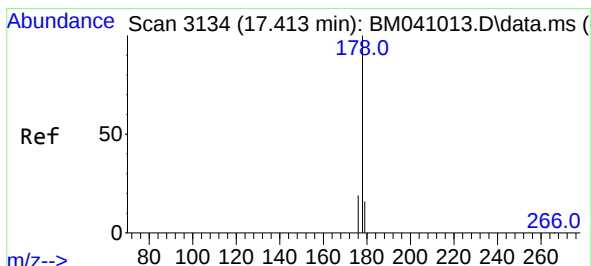
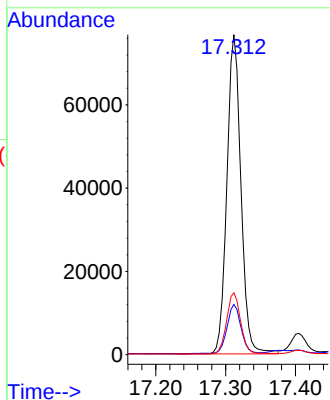
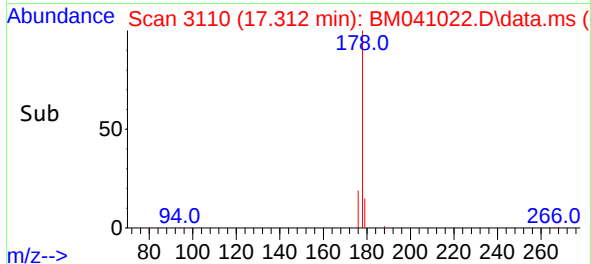
Instrument :
BNA_M
ClientSampleId :
A46S4



Tgt Ion:178 Resp: 107100
Ion Ratio Lower Upper
178 100
179 15.7 13.0 19.6
176 19.3 16.2 24.4

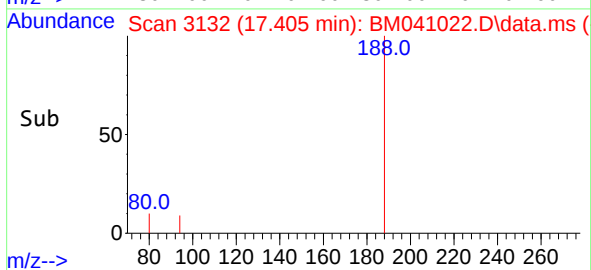
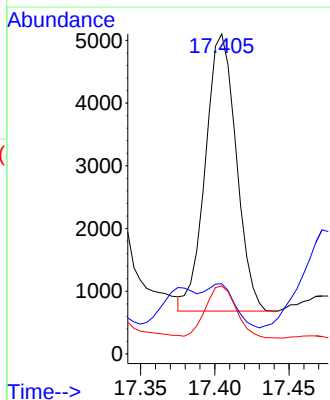
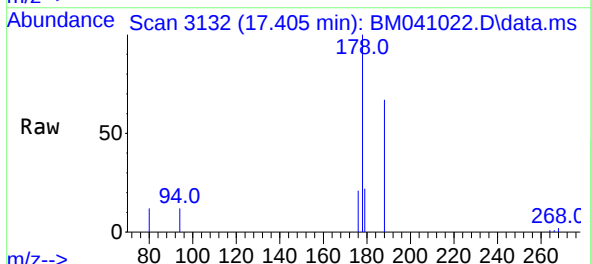
Manual Integrations
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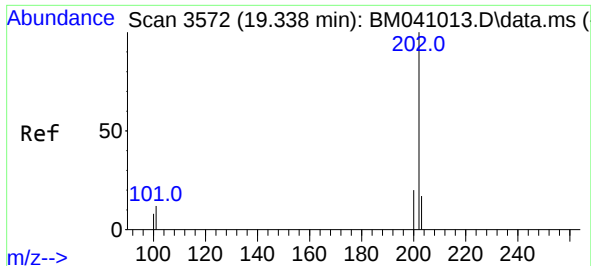
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#16
Anthracene
Concen: 0.138 ng/u1
RT: 17.405 min Scan# 3132
Delta R.T. -0.009 min
Lab File: BM041022.D
Acq: 21 Jul 2023 17:30

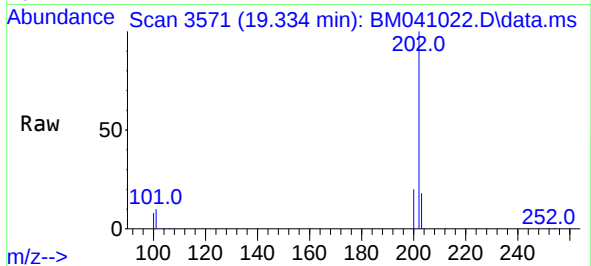
Tgt Ion:178 Resp: 6379
Ion Ratio Lower Upper
178 100
179 21.9 13.7 20.5#
176 21.2 16.4 24.6





#19
Fluoranthene
Concen: 2.742 ng/u1
RT: 19.334 min Scan# 31
Delta R.T. -0.005 min
Lab File: BM041022.D
Acq: 21 Jul 2023 17:30

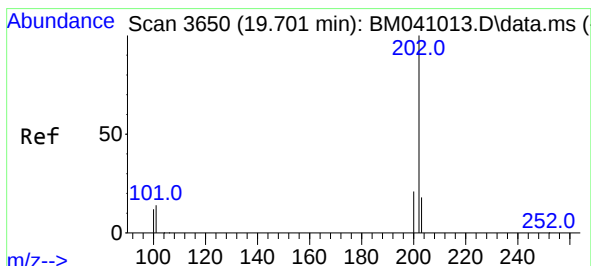
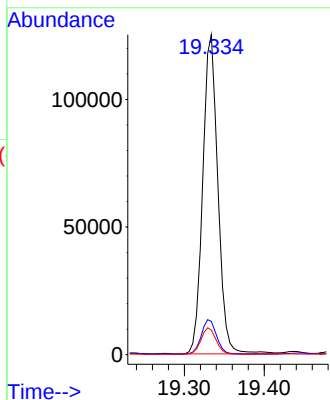
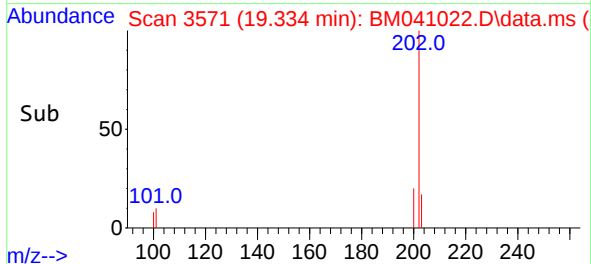
Instrument :
BNA_M
ClientSampleId :
A46S4



Tgt Ion:202 Resp: 164760
Ion Ratio Lower Upper
202 100
101 10.4 11.0 16.4
100 7.7 8.3 12.5

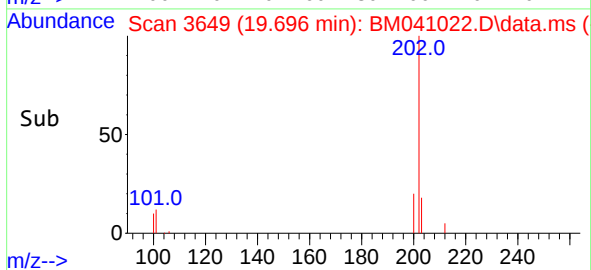
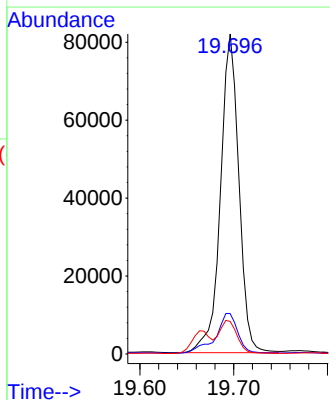
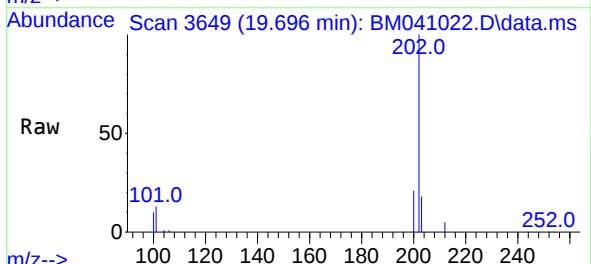
Manual Integrations
APPROVED

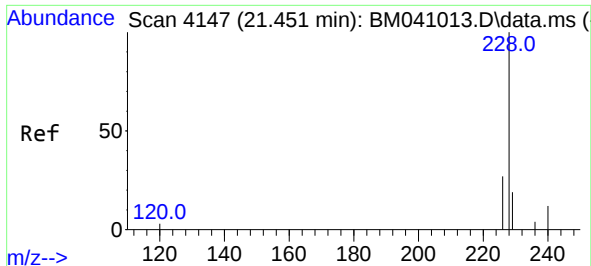
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#20
Pyrene
Concen: 1.819 ng/u1
RT: 19.696 min Scan# 3649
Delta R.T. -0.005 min
Lab File: BM041022.D
Acq: 21 Jul 2023 17:30

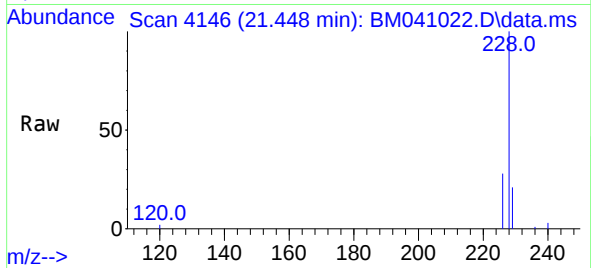
Tgt Ion:202 Resp: 111633
Ion Ratio Lower Upper
202 100
101 12.6 12.5 18.7
100 10.2 10.0 15.0





#21
Benzo(a)anthracene
Concen: 1.514 ng/ul
RT: 21.448 min Scan# 4146
Delta R.T. -0.003 min
Lab File: BM041022.D
Acq: 21 Jul 2023 17:30

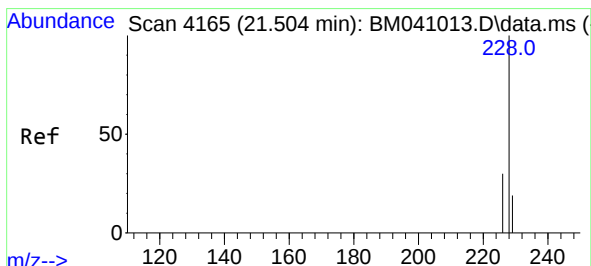
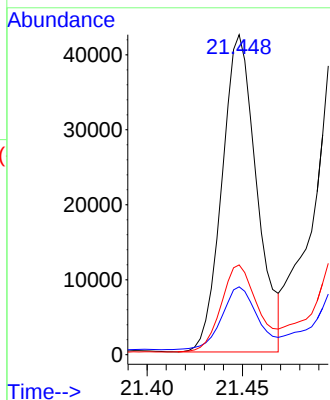
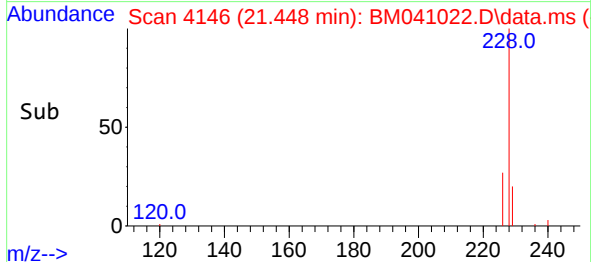
Instrument :
BNA_M
ClientSampleId :
A46S4



Tgt Ion:228 Resp: 5367
Ion Ratio Lower Upper
228 100
229 21.2 16.2 24.4
226 28.0 22.3 33.5

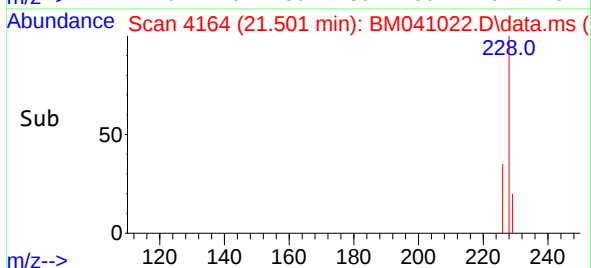
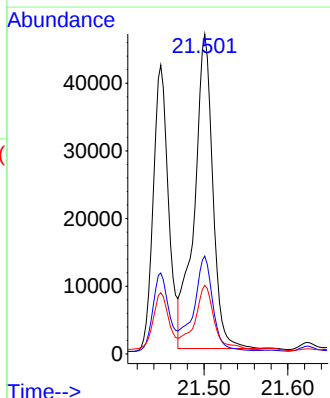
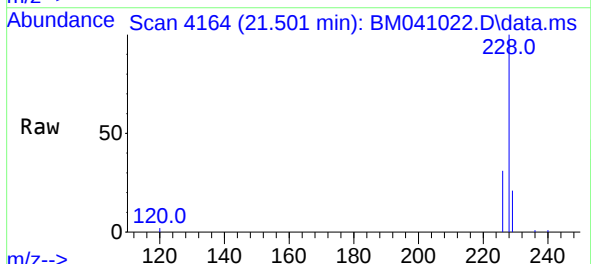
Manual Integrations
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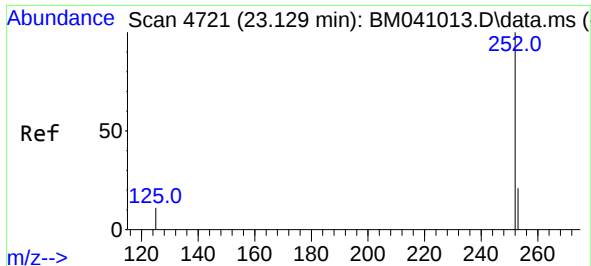
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#22
Chrysene
Concen: 1.753 ng/ul
RT: 21.501 min Scan# 4164
Delta R.T. -0.003 min
Lab File: BM041022.D
Acq: 21 Jul 2023 17:30

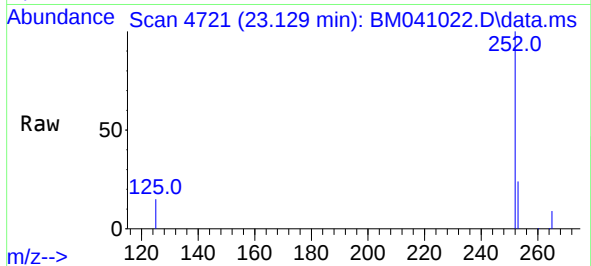
Tgt Ion:228 Resp: 71066
Ion Ratio Lower Upper
228 100
226 30.6 24.6 37.0
229 21.5 16.1 24.1





#24
Benzo(b)fluoranthene
Concen: 2.158 ng/ul
RT: 23.129 min Scan# 4721
Delta R.T. -0.000 min
Lab File: BM041022.D
Acq: 21 Jul 2023 17:30

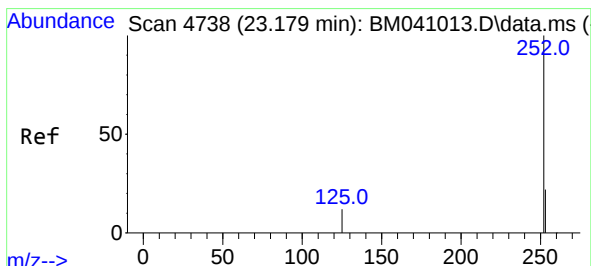
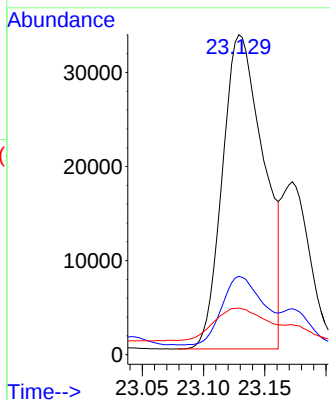
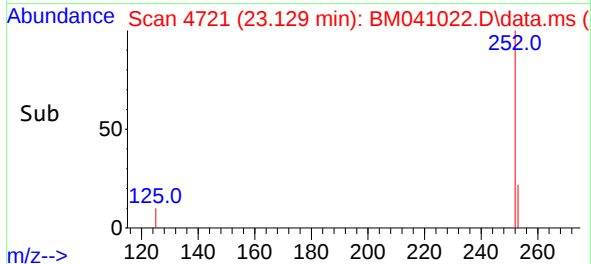
Instrument :
BNA_M
ClientSampleId :
A46S4



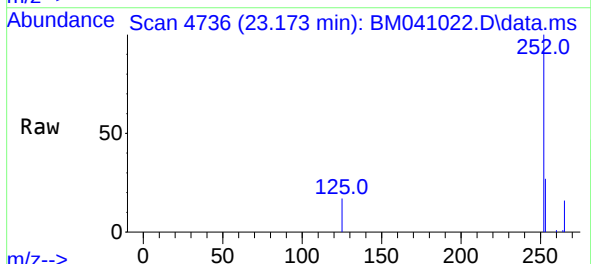
Tgt Ion:252 Resp: 7857
Ion Ratio Lower Upper
252 100
253 24.5 0.0 57.4
125 14.5 0.0 45.2

Manual Integrations
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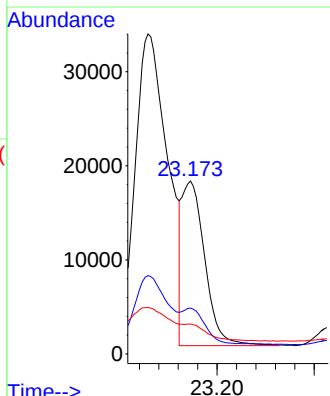
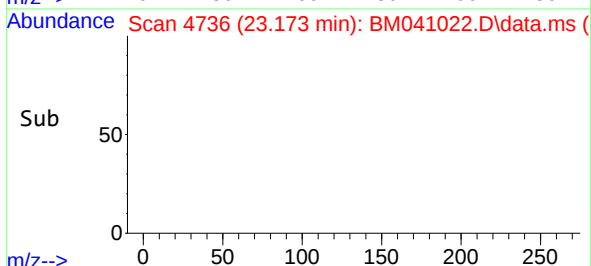
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

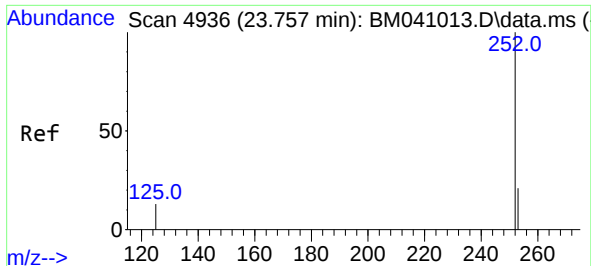


#25
Benzo(k)fluoranthene
Concen: 0.823 ng/ul m
RT: 23.173 min Scan# 4736
Delta R.T. -0.006 min
Lab File: BM041022.D
Acq: 21 Jul 2023 17:30



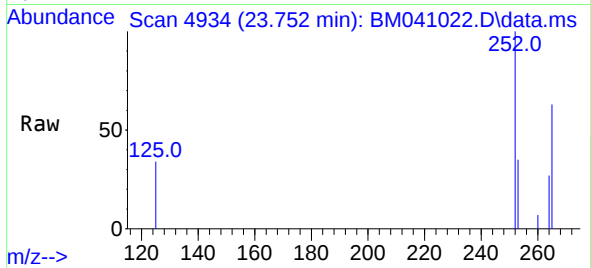
Tgt Ion:252 Resp: 28481
Ion Ratio Lower Upper
252 100
253 26.5 23.3 34.9
125 17.3 18.2 27.2#





#26
Benzo(a)pyrene
Concen: 0.306 ng/u1
RT: 23.752 min Scan# 4936
Delta R.T. -0.006 min
Lab File: BM041022.D
Acq: 21 Jul 2023 17:30

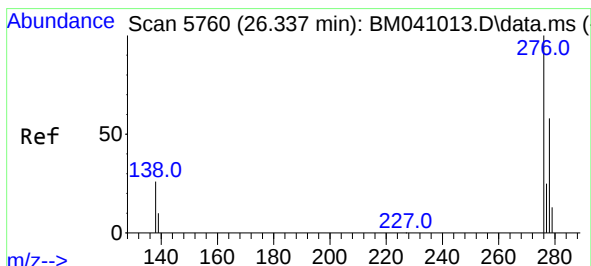
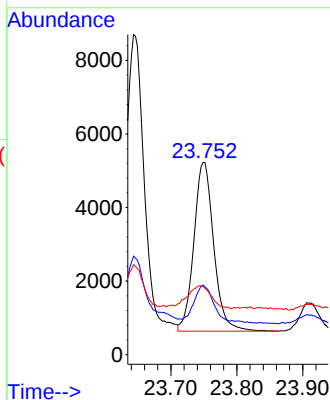
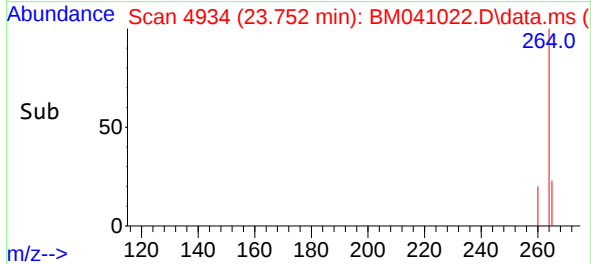
Instrument :
BNA_M
ClientSampleId :
A46S4



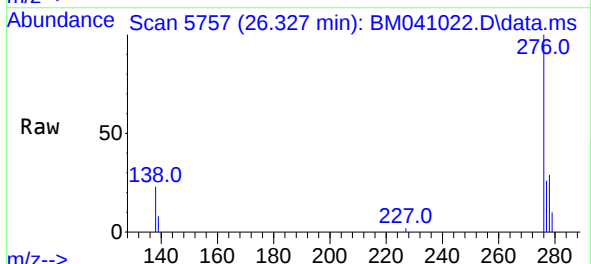
Tgt Ion:252 Resp: 961
Ion Ratio Lower Upper
252 100
253 35.3 28.2 42.2
125 34.5 25.2 37.8

Manual Integrations
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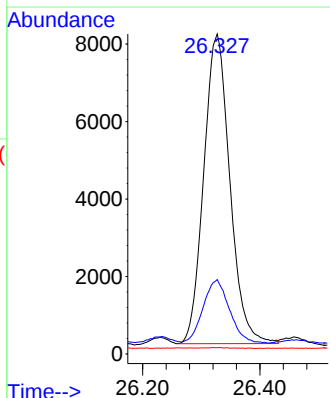
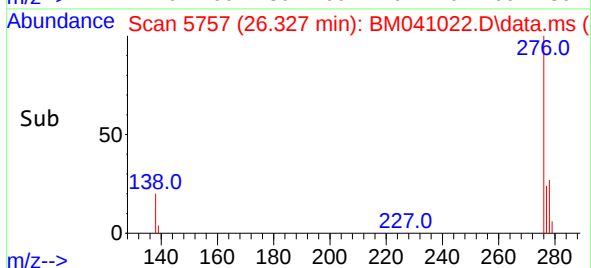
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

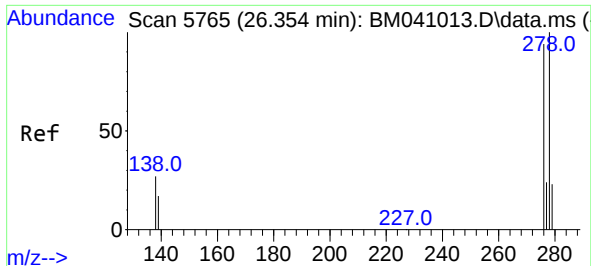


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.593 ng/u1
RT: 26.327 min Scan# 5757
Delta R.T. -0.010 min
Lab File: BM041022.D
Acq: 21 Jul 2023 17:30



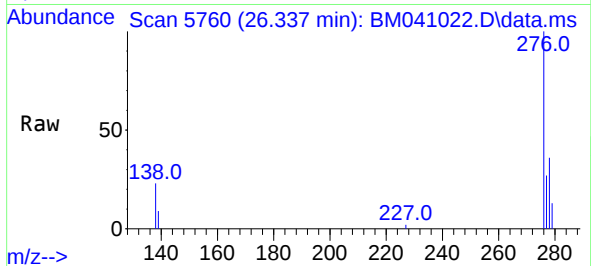
Tgt Ion:276 Resp: 24746
Ion Ratio Lower Upper
276 100
138 20.7 22.3 33.5#
227 0.2 0.0 0.0#





#28
Dibenzo(a,h)anthracene
Concen: 0.267 ng/ul
RT: 26.337 min Scan# 5760
Delta R.T. -0.017 min
Lab File: BM041022.D
Acq: 21 Jul 2023 17:30

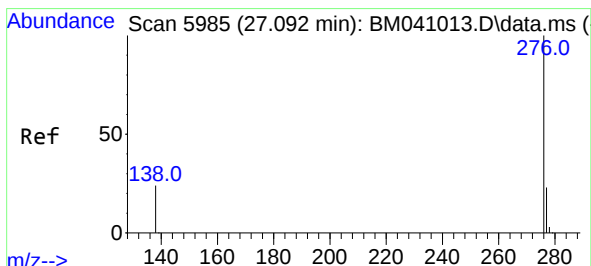
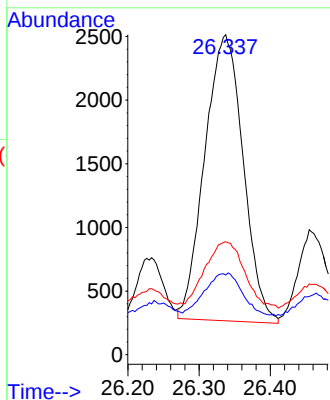
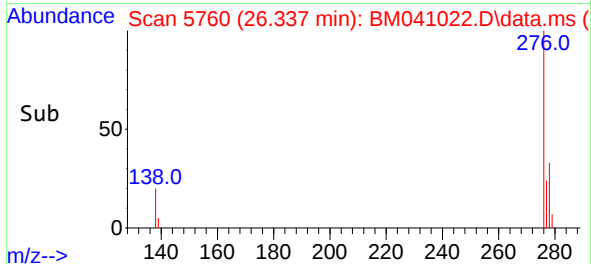
Instrument :
BNA_M
ClientSampleId :
A46S4



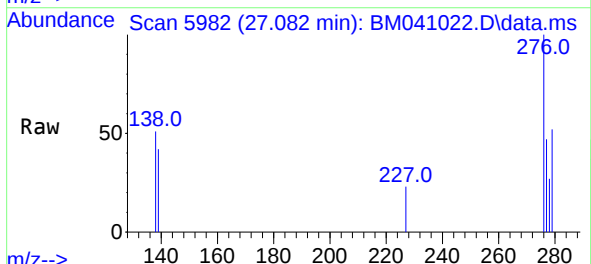
Tgt Ion:278 Resp: 8429
Ion Ratio Lower Upper
278 100
139 24.9 19.2 28.8
279 35.3 27.0 40.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#29
Benzo(g,h,i)perylene
Concen: 0.049 ng/ul
RT: 27.082 min Scan# 5982
Delta R.T. -0.010 min
Lab File: BM041022.D
Acq: 21 Jul 2023 17:30



Tgt Ion:276 Resp: 1881
Ion Ratio Lower Upper
276 100
138 51.1 22.6 34.0#
277 46.6 21.2 31.8#

