

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041118.D
 Acq On : 25 Jul 2023 22:40
 Operator : MA/JU
 Sample : 03540-01DL 5X
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4728DL

Manual Integrations
 APPROVED

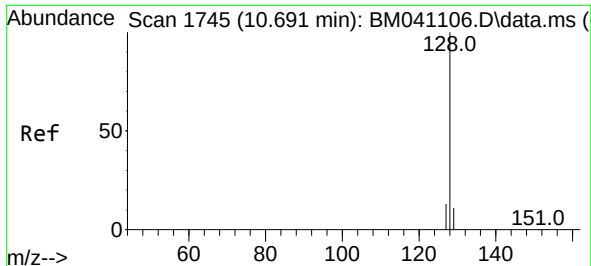
Reviewed By :Yogesh Patel 07/26/2023
 Supervised By :mohammad ahmed 07/27/2023

Quant Time: Jul 26 04:42:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 26 04:20:13 2023
 Response via : Initial Calibration

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

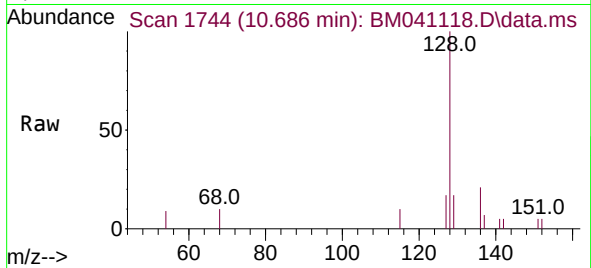
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	3745	0.400	ng/ul	0.00
4) Naphthalene-d8	10.636	136	12852	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.490	164	6864	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.244	188	13916	0.400	ng/ul	0.00
17) Chrysene-d12	21.442	240	11600	0.400	ng/ul	0.00
23) Perylene-d12	23.822	264	11795	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.250	96	2916	0.505	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.242	152	1160	0.063	ng/ul	0.00
18) Fluoranthene-d10	19.278	212	2256	0.071	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.686	128	2731	0.065	ng/ul#	91
7) 2-Methylnaphthalene	12.313	142	947	0.046	ng/ul	99
8) 1-Methylnaphthalene	12.528	142	946	0.045	ng/ul	97
10) Acenaphthylene	14.208	152	2538	0.088	ng/ul#	90
11) Acenaphthene	14.550	153	4384	0.179	ng/ul	99
12) Fluorene	15.545	166	5374	0.201	ng/ul	99
15) Phenanthrene	17.286	178	77941	1.817	ng/ul	98
16) Anthracene	17.379	178	15184	0.437	ng/ul	98
19) Fluoranthene	19.311	202	98414	2.367	ng/ul	97
20) Pyrene	19.673	202	47385	1.034	ng/ul	99
21) Benzo(a)anthracene	21.425	228	41128	1.061	ng/ul	100
22) Chrysene	21.477	228	38040	0.849	ng/ul	98
24) Benzo(b)fluoranthene	23.100	252	41108	0.875	ng/ul	94
25) Benzo(k)fluoranthene	23.140	252	16930m	0.377	ng/ul	
26) Benzo(a)pyrene	23.716	252	6950	0.183	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	26.277	276	8984	0.159	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.290	278	4821	0.109	ng/ul#	79

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



#5
Naphthalene
Concen: 0.065 ng/ul
RT: 10.686 min Scan# 1744
Delta R.T. -0.006 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

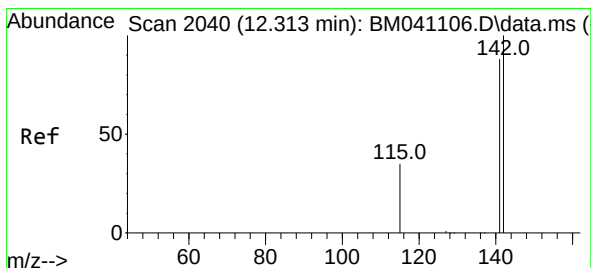
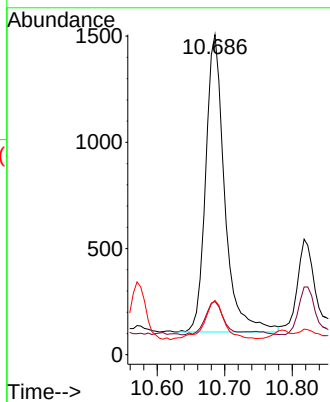
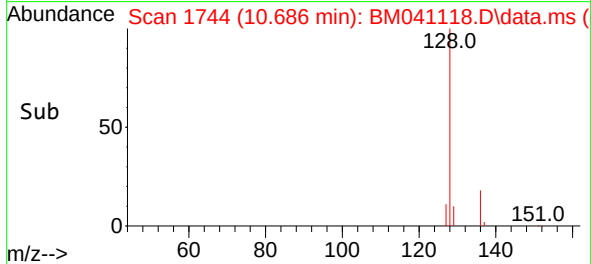
Instrument :
BNA_M
ClientSampleId :
A4728DL



Tgt Ion:128 Resp: 273
Ion Ratio Lower Upper
128 100
129 16.6 9.8 14.8
127 17.0 11.1 16.7

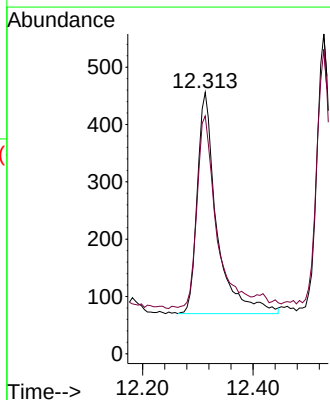
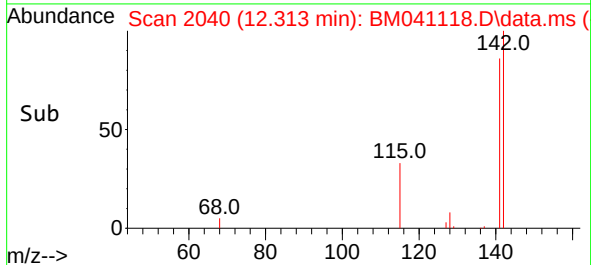
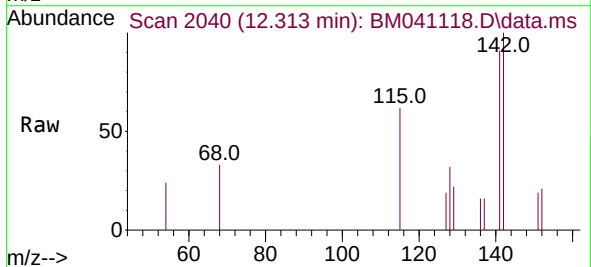
Manual Integrations
APPROVED

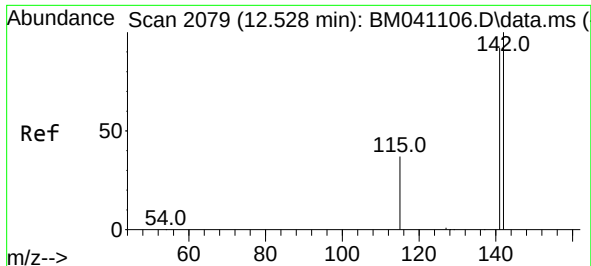
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#7
2-Methylnaphthalene
Concen: 0.046 ng/ul
RT: 12.313 min Scan# 2040
Delta R.T. -0.000 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

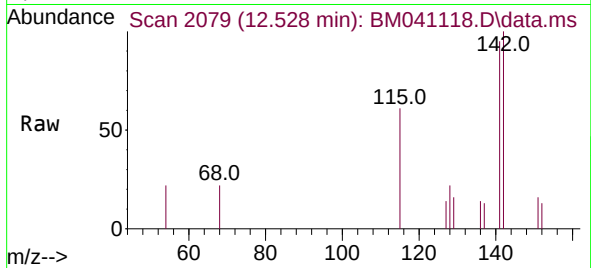
Tgt Ion:142 Resp: 947
Ion Ratio Lower Upper
142 100
141 92.3 73.3 109.9





#8
1-Methylnaphthalene
Concen: 0.045 ng/ul
RT: 12.528 min Scan# 2079
Delta R.T. -0.000 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

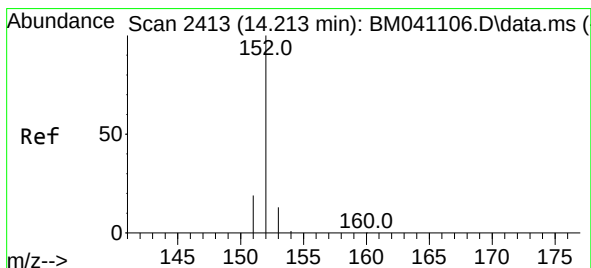
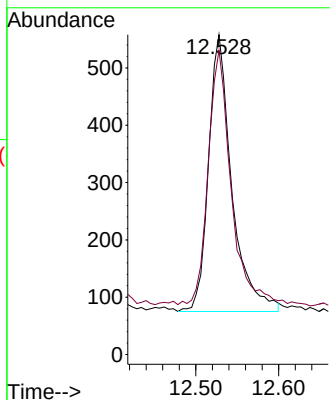
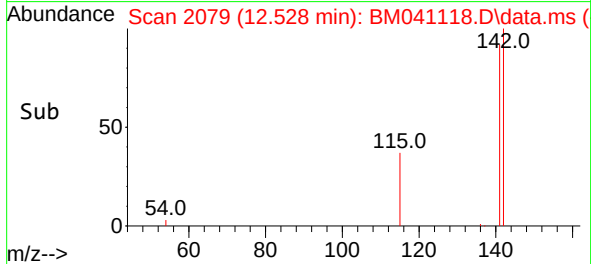
Instrument :
BNA_M
ClientSampleId :
A4728DL



Tgt Ion:142 Resp: 940
Ion Ratio Lower Upper
142 100
141 89.4 73.6 110.4

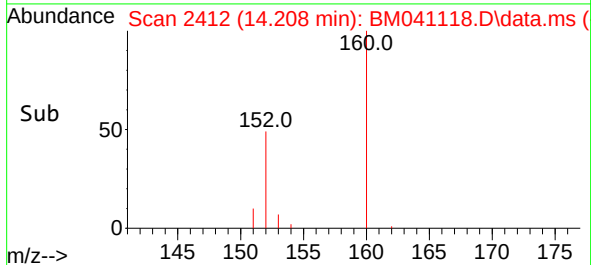
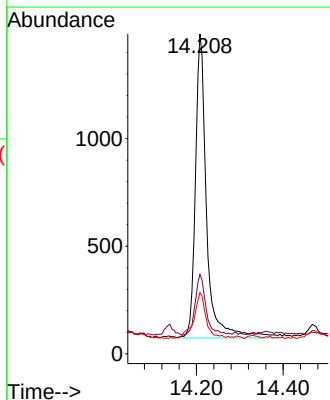
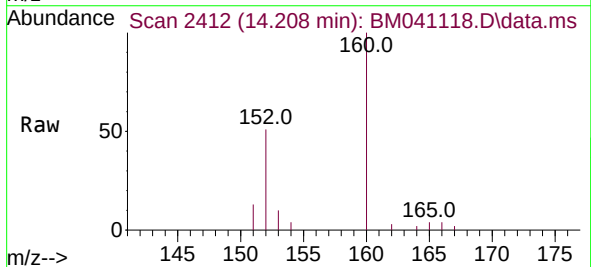
Manual Integrations
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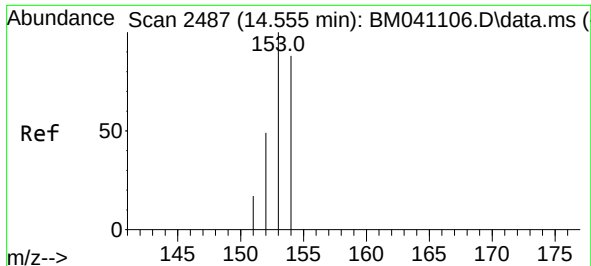
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#10
Acenaphthylene
Concen: 0.088 ng/ul
RT: 14.208 min Scan# 2412
Delta R.T. -0.005 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

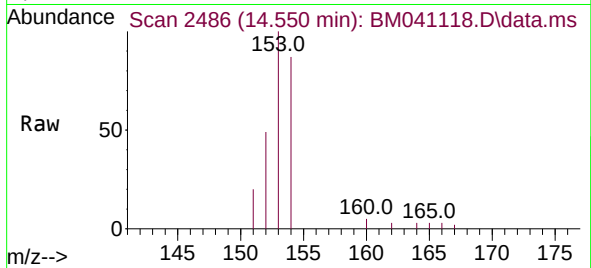
Tgt Ion:152 Resp: 2538
Ion Ratio Lower Upper
152 100
151 24.8 16.8 25.2
153 19.1 11.4 17.2#





#11
Acenaphthene
Concen: 0.179 ng/u1
RT: 14.550 min Scan# 2487
Delta R.T. -0.005 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

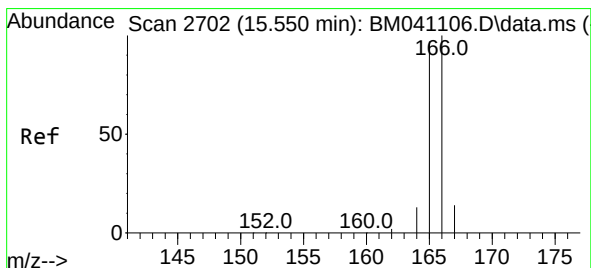
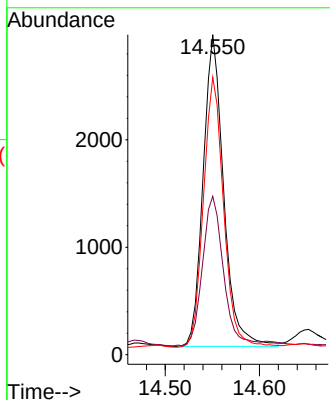
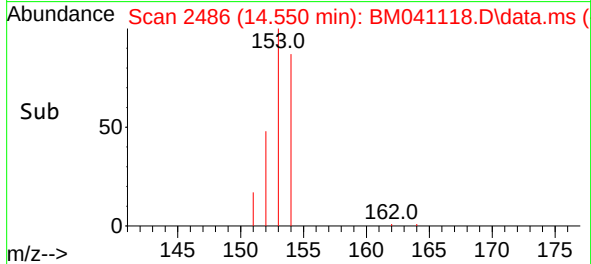
Instrument :
BNA_M
ClientSampleId :
A4728DL



Tgt Ion:153 Resp: 4384
Ion Ratio Lower Upper
153 100
152 49.5 40.2 60.4
154 86.7 70.3 105.5

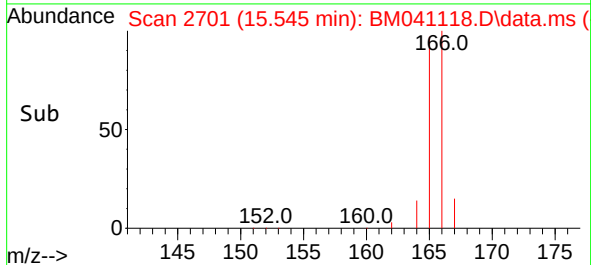
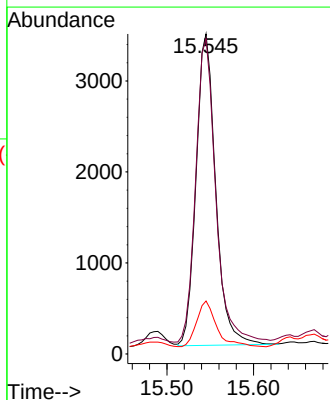
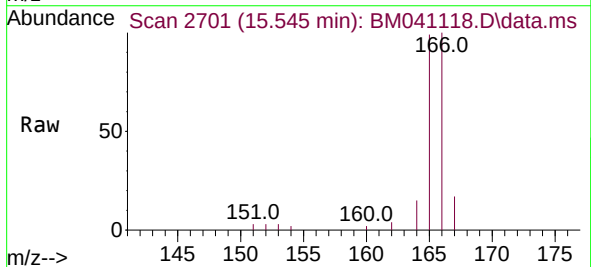
Manual Integrations
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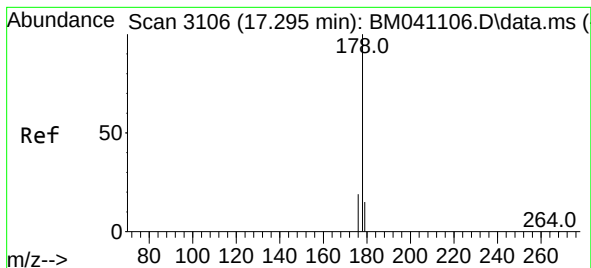
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#12
Fluorene
Concen: 0.201 ng/u1
RT: 15.545 min Scan# 2701
Delta R.T. -0.005 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

Tgt Ion:166 Resp: 5374
Ion Ratio Lower Upper
166 100
165 98.5 79.4 119.0
167 16.6 11.4 17.2





#15

Phenanthrene

Concen: 1.817 ng/ul

RT: 17.286 min Scan# 3104

Delta R.T. -0.009 min

Lab File: BM041118.D

Acq: 25 Jul 2023 22:40

Instrument :

BNA_M

ClientSampleId :

A4728DL

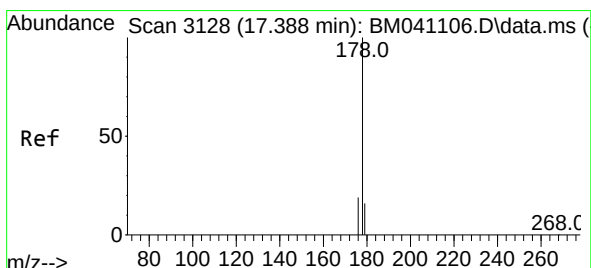
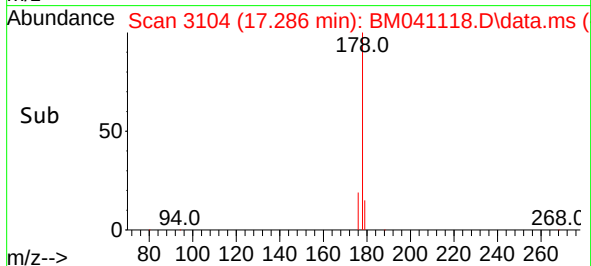
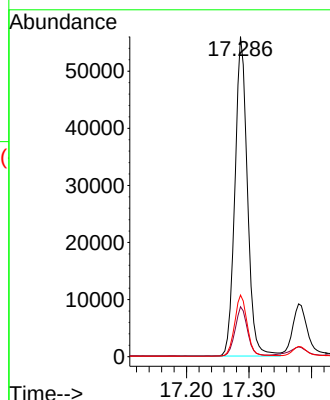
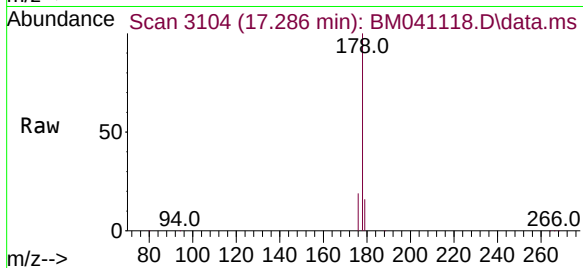
Tgt Ion:	178	Resp:	7794
Ion Ratio	Lower	Upper	
178	100		
179	15.6	13.4	20.2
176	19.2	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/26/2023

Supervised By :mohammad ahmed 07/27/2023



#16

Anthracene

Concen: 0.437 ng/ul

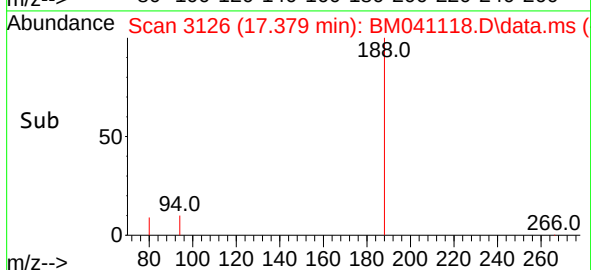
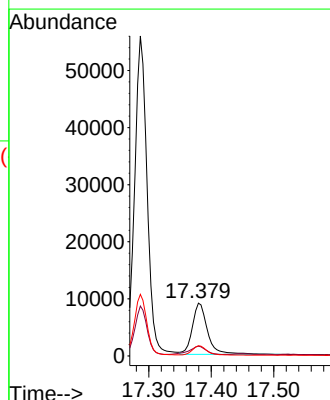
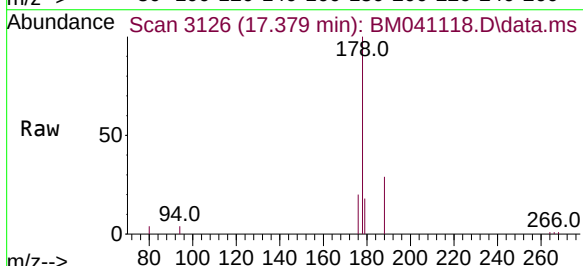
RT: 17.379 min Scan# 3126

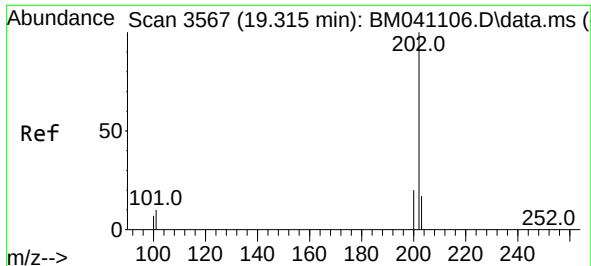
Delta R.T. -0.013 min

Lab File: BM041118.D

Acq: 25 Jul 2023 22:40

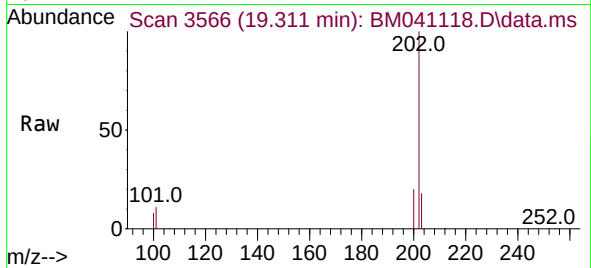
Tgt Ion:	178	Resp:	15184
Ion Ratio	Lower	Upper	
178	100		
179	18.4	13.6	20.4
176	19.5	16.0	24.0





#19
Fluoranthene
Concen: 2.367 ng/u1
RT: 19.311 min Scan# 3566
Delta R.T. -0.005 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

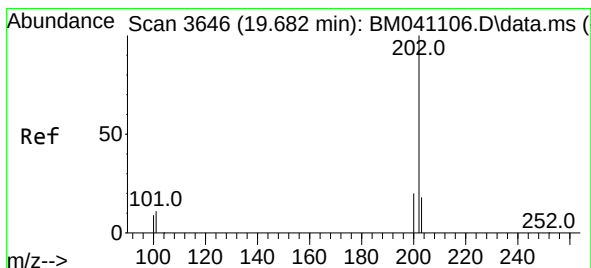
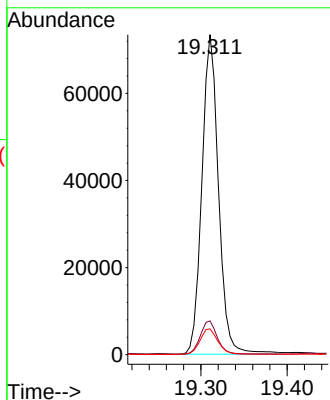
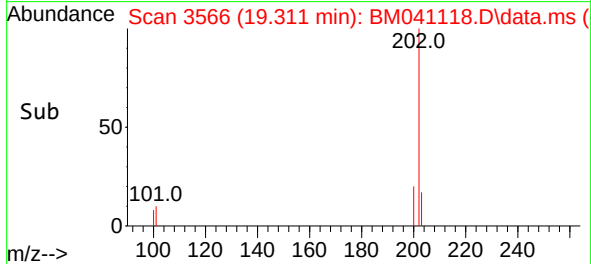
Instrument :
BNA_M
ClientSampleId :
A4728DL



Tgt Ion:202 Resp: 98414
Ion Ratio Lower Upper
202 100
101 10.6 9.4 14.0
100 8.1 7.1 10.7

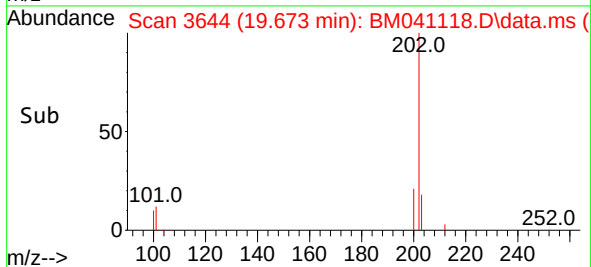
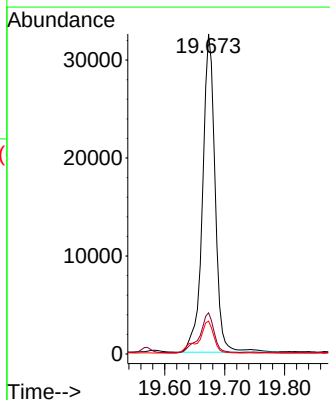
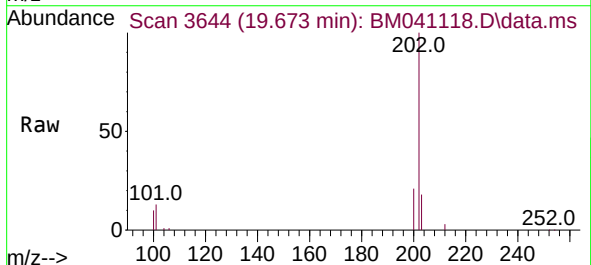
Manual Integrations
APPROVED

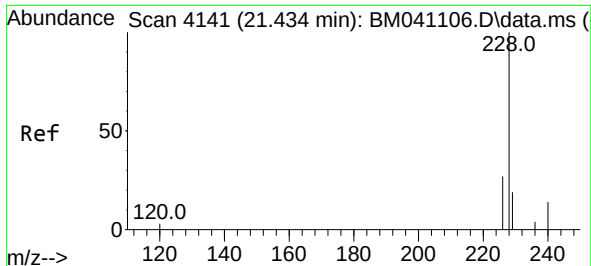
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#20
Pyrene
Concen: 1.034 ng/u1
RT: 19.673 min Scan# 3644
Delta R.T. -0.009 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

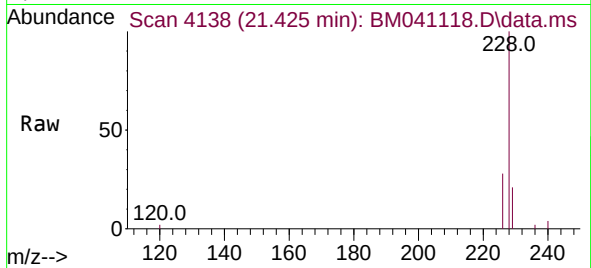
Tgt Ion:202 Resp: 47385
Ion Ratio Lower Upper
202 100
101 12.8 10.7 16.1
100 10.3 8.5 12.7





#21
Benzo(a)anthracene
Concen: 1.061 ng/ul
RT: 21.425 min Scan# 4112
Delta R.T. -0.009 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

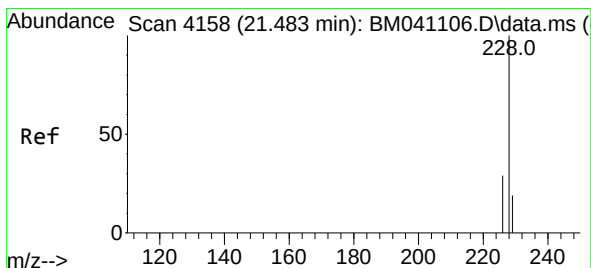
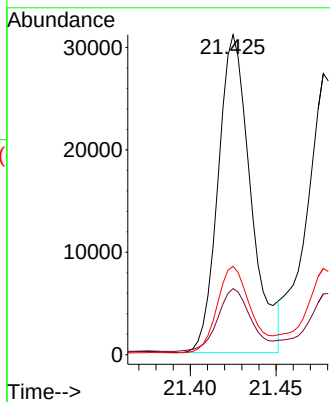
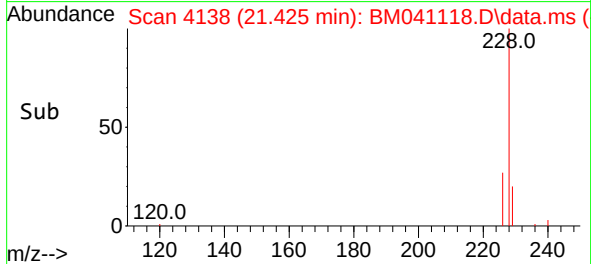
Instrument :
BNA_M
ClientSampleId :
A4728DL



Tgt Ion:228 Resp: 4112
Ion Ratio Lower Upper
228 100
229 20.6 16.5 24.7
226 27.6 22.2 33.2

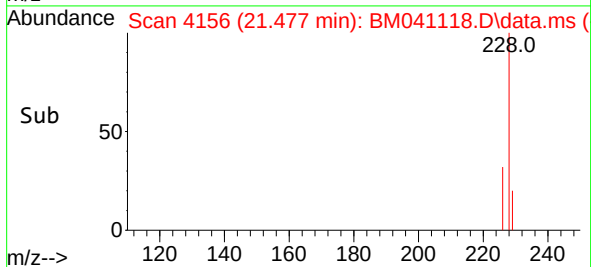
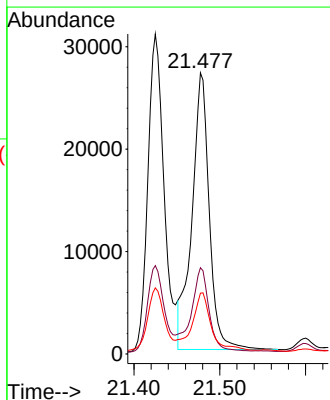
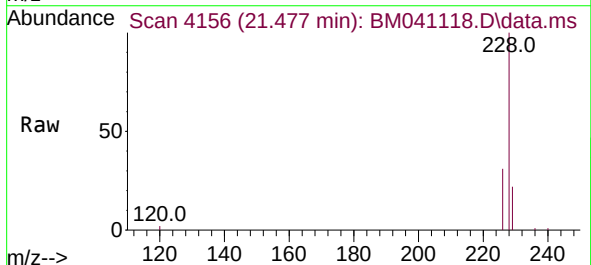
Manual Integrations
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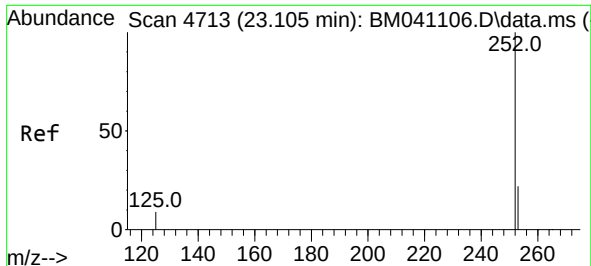
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#22
Chrysene
Concen: 0.849 ng/ul
RT: 21.477 min Scan# 4156
Delta R.T. -0.009 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

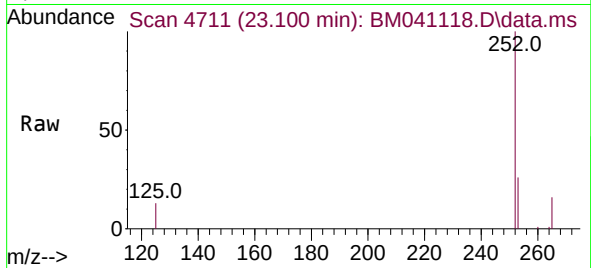
Tgt Ion:228 Resp: 38040
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.4
229 21.6 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 0.875 ng/ul
RT: 23.100 min Scan# 4110
Delta R.T. -0.006 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

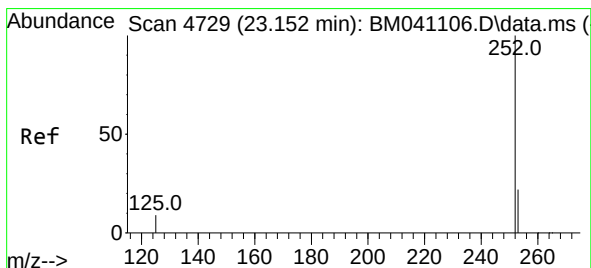
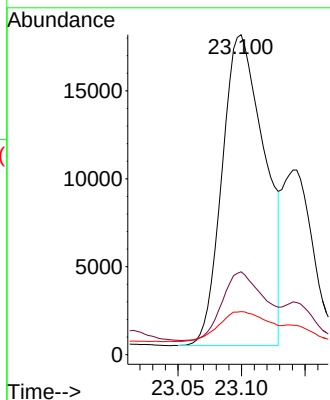
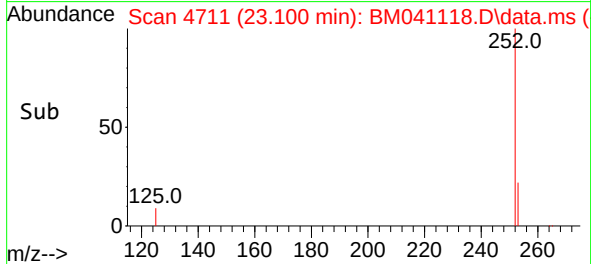
Instrument :
BNA_M
ClientSampleId :
A4728DL



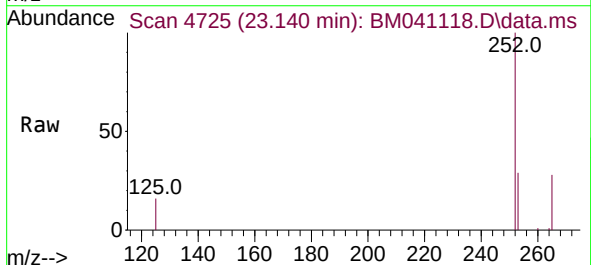
Tgt Ion:252 Resp: 4110
Ion Ratio Lower Upper
252 100
253 25.9 0.0 57.6
125 13.5 0.0 33.6

Manual Integrations
APPROVED

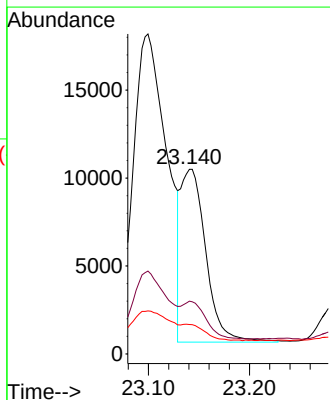
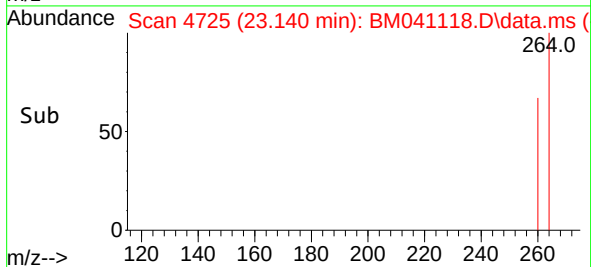
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023

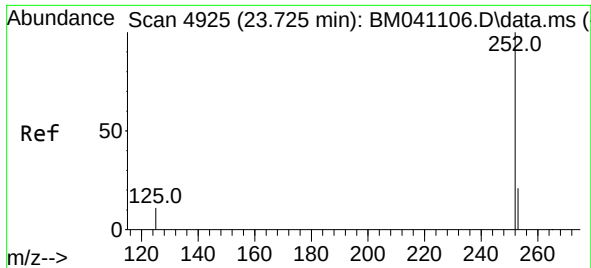


#25
Benzo(k)fluoranthene
Concen: 0.377 ng/ul m
RT: 23.140 min Scan# 4725
Delta R.T. -0.015 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40



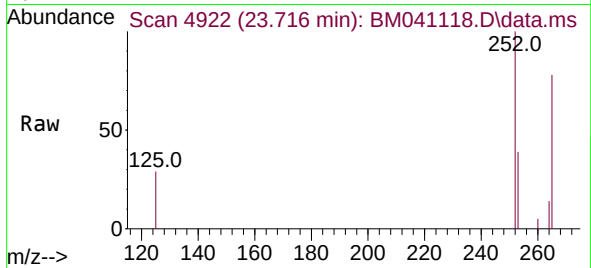
Tgt Ion:252 Resp: 16930
Ion Ratio Lower Upper
252 100
253 28.6 22.8 34.2
125 16.0 13.5 20.3





#26
Benzo(a)pyrene
Concen: 0.183 ng/ul
RT: 23.716 min Scan# 4925
Delta R.T. -0.012 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40

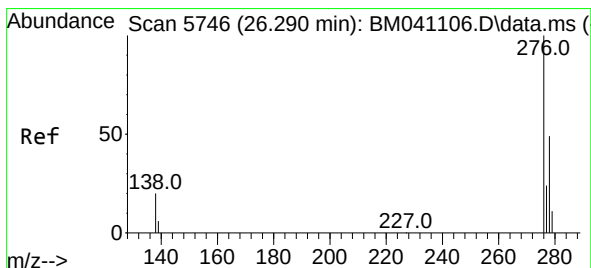
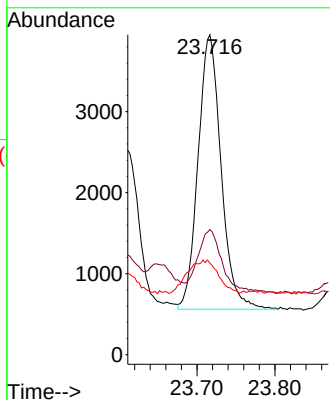
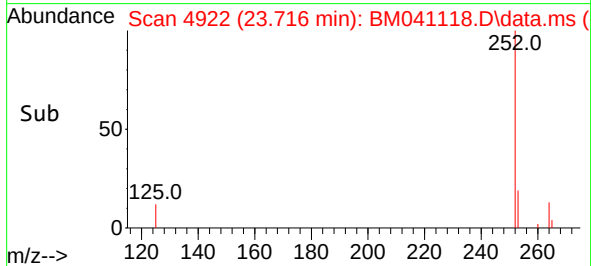
Instrument :
BNA_M
ClientSampleId :
A4728DL



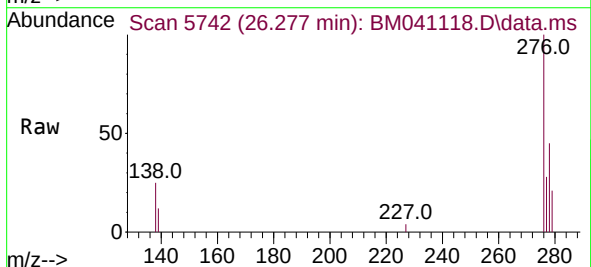
Tgt Ion:252 Resp: 6950
Ion Ratio Lower Upper
252 100
253 39.1 26.7 40.1
125 28.6 18.1 27.1

Manual Integrations
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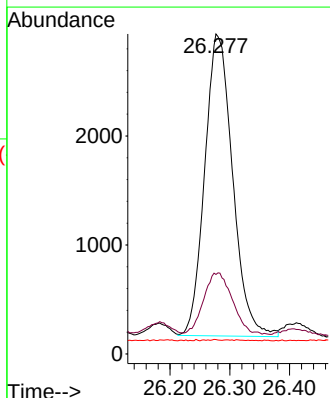
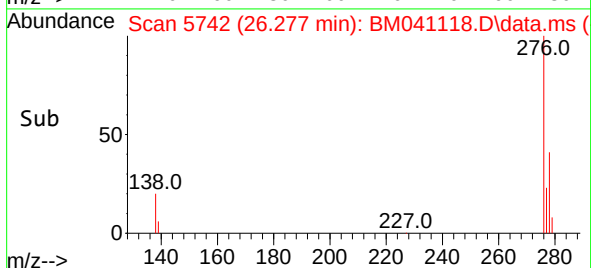
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023

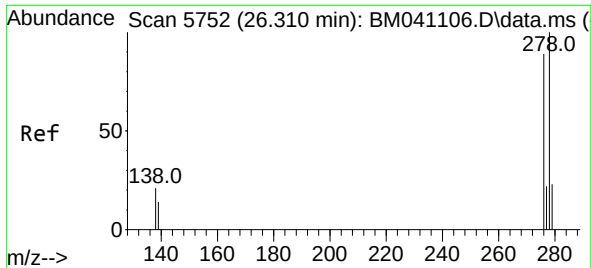


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.159 ng/ul
RT: 26.277 min Scan# 5742
Delta R.T. -0.020 min
Lab File: BM041118.D
Acq: 25 Jul 2023 22:40



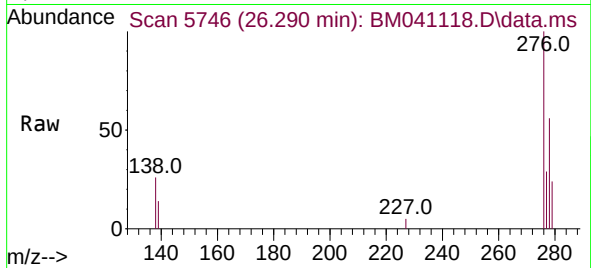
Tgt Ion:276 Resp: 8984
Ion Ratio Lower Upper
276 100
138 21.2 18.1 27.1
227 0.1 0.2 0.2





#28
 Dibenzo(a,h)anthracene
 Concen: 0.109 ng/ul
 RT: 26.290 min Scan# 51
 Delta R.T. -0.027 min
 Lab File: BM041118.D
 Acq: 25 Jul 2023 22:40

Instrument :
 BNA_M
 ClientSampleId :
 A4728DL



Tgt Ion:278 Resp: 482
 Ion Ratio Lower Upper
 278 100
 139 25.6 14.1 21.1
 279 43.9 25.0 37.4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/26/2023
 Supervised By :mohammad ahmed 07/27/2023

