

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041083.D
 Acq On : 24 Jul 2023 20:04
 Operator : MA/JU
 Sample : 03534-21
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4727

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/25/2023
 Supervised By :mohammad ahmed 07/25/2023

Quant Time: Jul 25 00:30:36 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 : Tue Jul 25 00:13:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.832	152	2530	0.400	ng/ul	0.00
4) Naphthalene-d8	10.642	136	8010	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.495	164	4326	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.253	188	9928	0.400	ng/ul	0.00
17) Chrysene-d12	21.448	240	9758	0.400	ng/ul	0.00
23) Perylene-d12	23.833	264	8415	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.254	96	5306	1.359	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.236	152	1116	0.098	ng/ul	-0.01
18) Fluoranthene-d10	19.287	212	2498	0.094	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.691	128	2334	0.090	ng/ul#	87
7) 2-Methylnaphthalene	12.313	142	585	0.046	ng/ul	98
8) 1-Methylnaphthalene	12.528	142	546	0.042	ng/ul	97
10) Acenaphthylene	14.213	152	1266	0.069	ng/ul#	78
11) Acenaphthene	14.560	153	1077	0.070	ng/ul	97
12) Fluorene	15.550	166	976	0.058	ng/ul#	91
15) Phenanthrene	17.295	178	12546	0.410	ng/ul	100
16) Anthracene	17.388	178	1534	0.062	ng/ul#	81
19) Fluoranthene	19.315	202	36100	1.032	ng/ul	99
20) Pyrene	19.678	202	26065	0.676	ng/ul	99
21) Benzo(a)anthracene	21.434	228	15323	0.470	ng/ul	97
22) Chrysene	21.486	228	18442	0.489	ng/ul	97
24) Benzo(b)fluoranthene	23.111	252	21796	0.650	ng/ul	98
25) Benzo(k)fluoranthene	23.155	252	9716m	0.304	ng/ul	
26) Benzo(a)pyrene	23.731	252	2332	0.086	ng/ul#	32
27) Indeno(1,2,3-cd)pyrene	26.304	276	7600	0.189	ng/ul#	93
28) Dibenzo(a,h)anthracene	26.314	278	2851	0.090	ng/ul#	58
29) Benzo(g,h,i)perylene	27.065	276	1065	0.030	ng/ul#	44

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

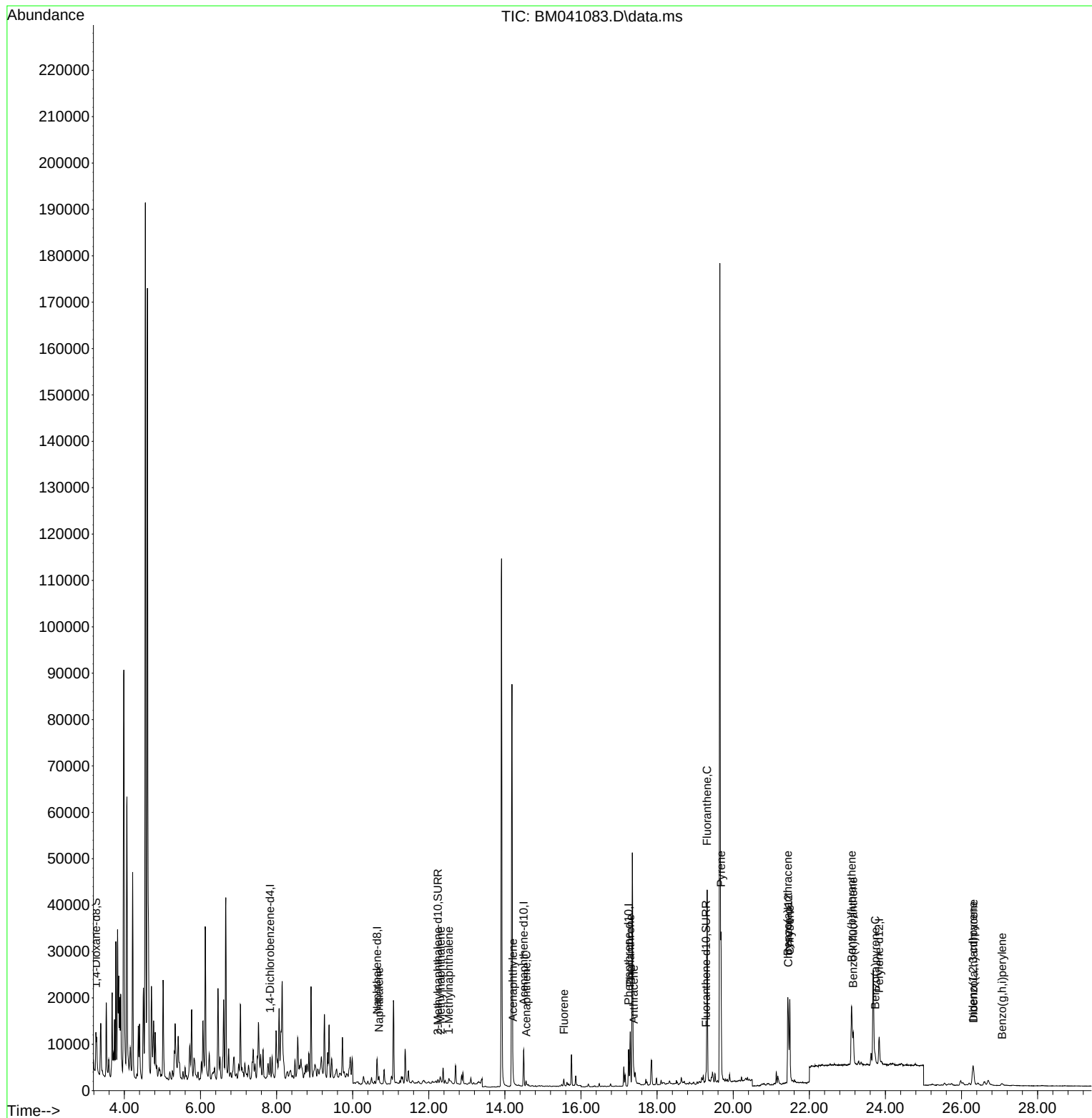
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
Data File : BM041083.D
Acq On : 24 Jul 2023 20:04
Operator : MA/JU
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ALS Vial : 6 Sample Multiplier: 1

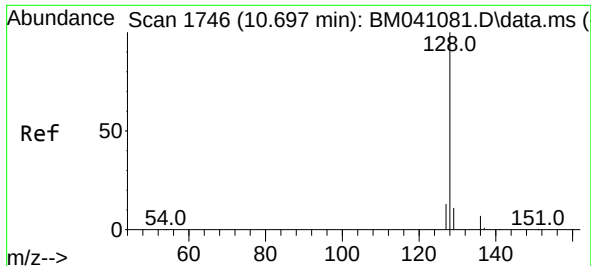
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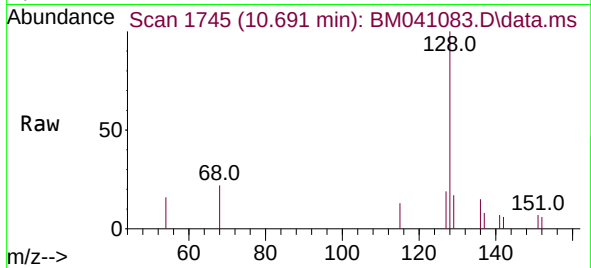
Quant Time: Jul 25 00:30:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 00:13:11 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.090 ng/ul
RT: 10.691 min Scan# 11
Delta R.T. -0.005 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

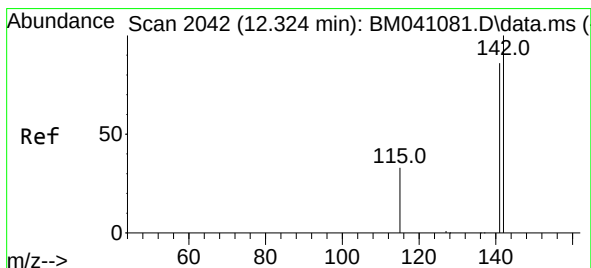
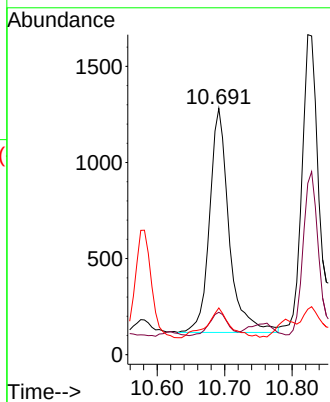
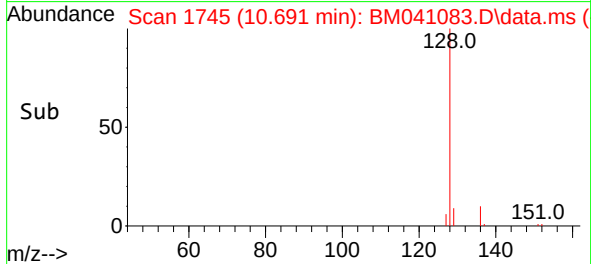
Instrument :
BNA_M
ClientSampleId :
A4727



Tgt Ion:128 Resp: 2334
Ion Ratio Lower Upper
128 100
129 17.3 9.8 14.8
127 19.0 11.1 16.7

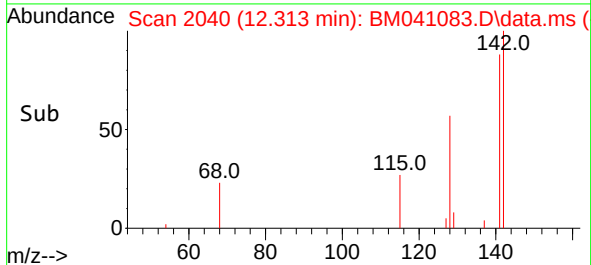
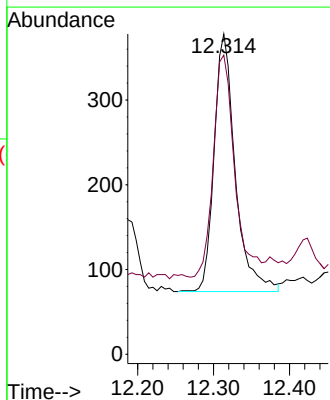
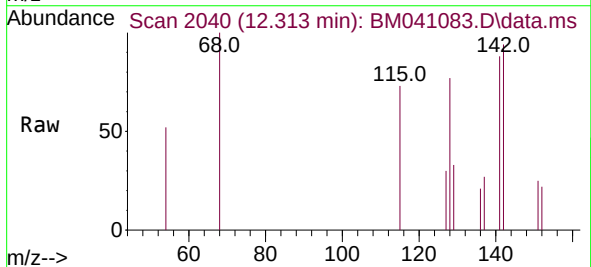
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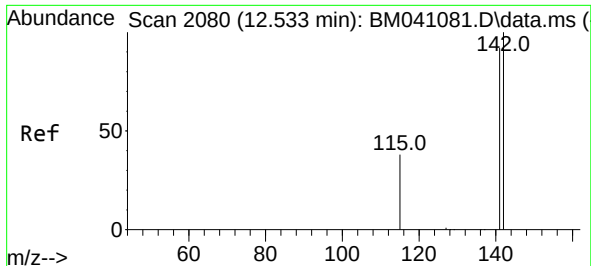
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#7
2-Methylnaphthalene
Concen: 0.046 ng/ul
RT: 12.313 min Scan# 2040
Delta R.T. -0.005 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

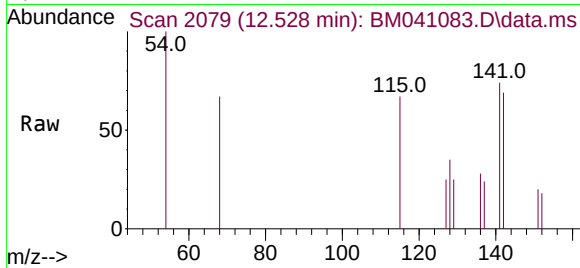
Tgt Ion:142 Resp: 585
Ion Ratio Lower Upper
142 100
141 93.5 73.3 109.9





#8
1-Methylnaphthalene
Concen: 0.042 ng/ul
RT: 12.528 min Scan# 2080
Delta R.T. -0.005 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

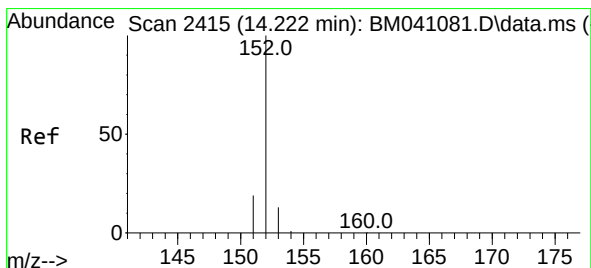
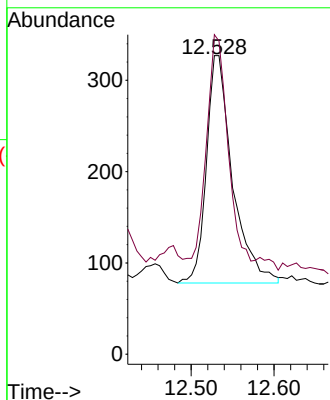
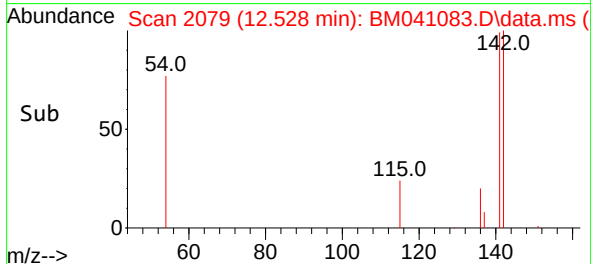
Instrument :
BNA_M
ClientSampleId :
A4727



Tgt Ion:142 Resp: 540
Ion Ratio Lower Upper
142 100
141 89.6 73.6 110.4

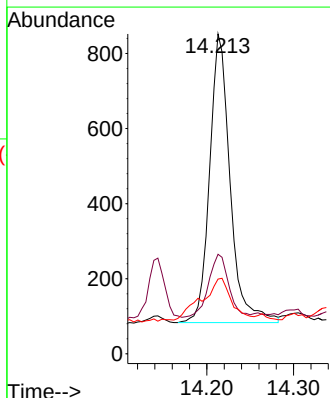
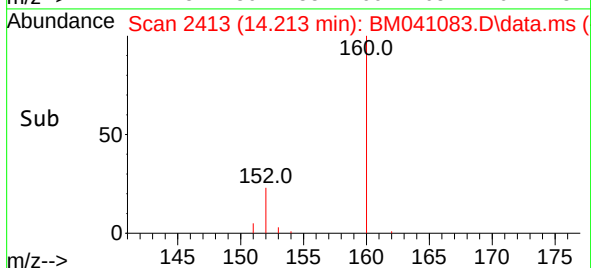
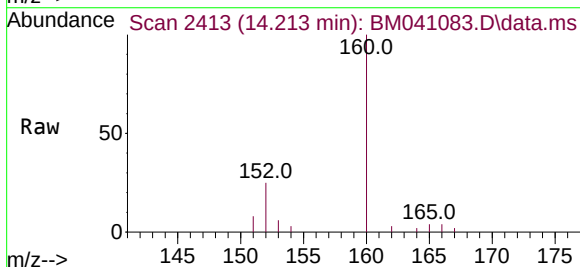
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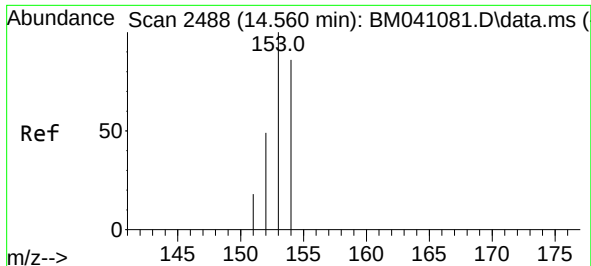
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#10
Acenaphthylene
Concen: 0.069 ng/ul
RT: 14.213 min Scan# 2413
Delta R.T. -0.004 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

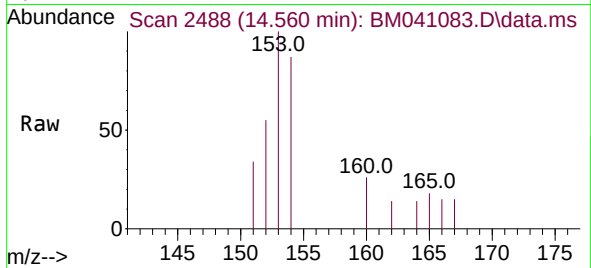
Tgt Ion:152 Resp: 1266
Ion Ratio Lower Upper
152 100
151 31.1 16.8 25.2#
153 23.4 11.4 17.2#





#11
Acenaphthene
Concen: 0.070 ng/u1
RT: 14.560 min Scan# 2488
Delta R.T. 0.000 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

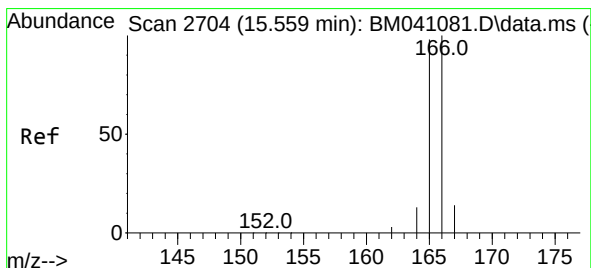
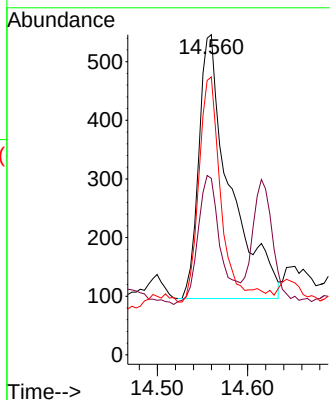
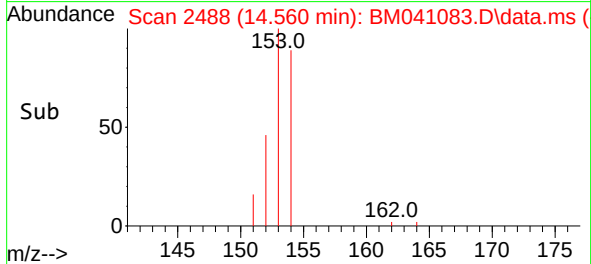
Instrument :
BNA_M
ClientSampleId :
A4727



Tgt Ion:153 Resp: 107
Ion Ratio Lower Upper
153 100
152 55.1 40.2 60.4
154 86.8 70.3 105.5

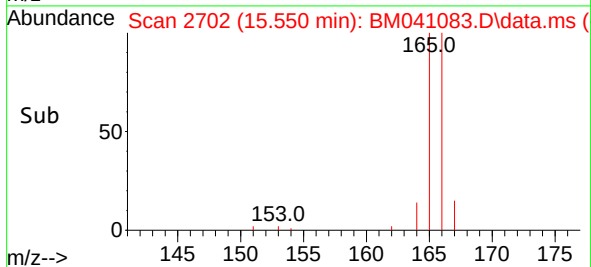
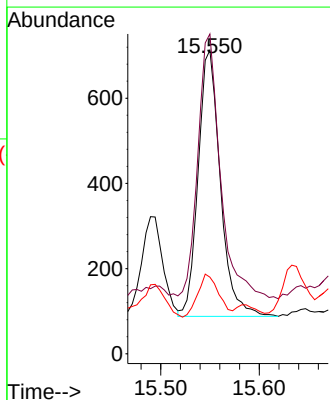
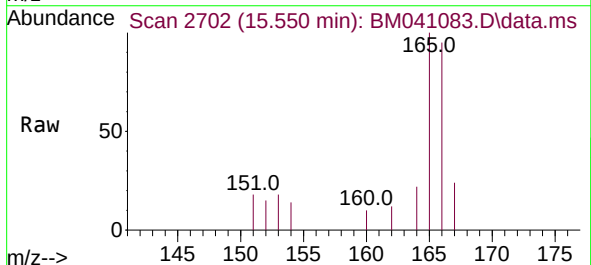
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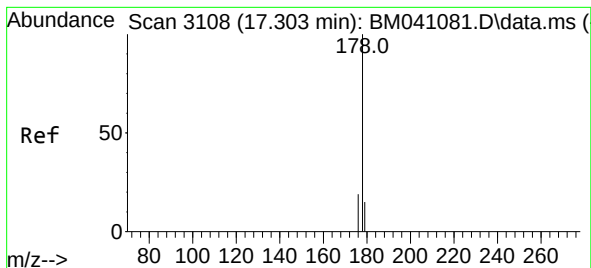
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#12
Fluorene
Concen: 0.058 ng/u1
RT: 15.550 min Scan# 2702
Delta R.T. -0.004 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

Tgt Ion:166 Resp: 976
Ion Ratio Lower Upper
166 100
165 105.3 79.4 119.0
167 25.2 11.4 17.2#





#15

Phenanthrene

Concen: 0.410 ng/ul

RT: 17.295 min Scan# 3106

Delta R.T. -0.004 min

Lab File: BM041083.D

Acq: 24 Jul 2023 20:04

Instrument :

BNA_M

ClientSampleId :

A4727

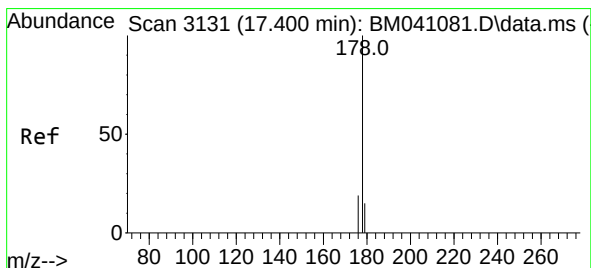
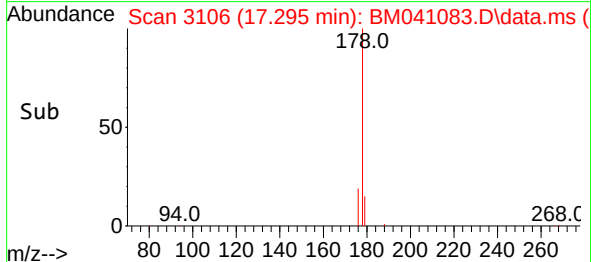
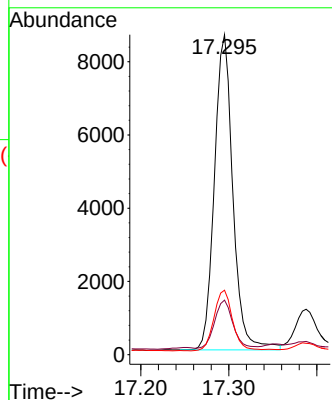
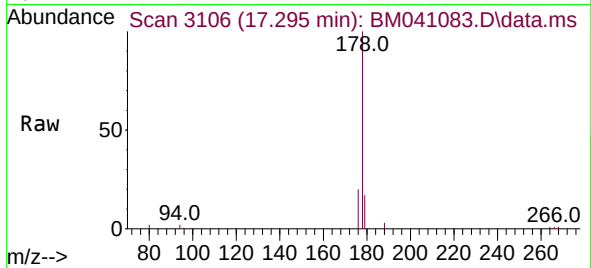
Tgt Ion:178	Resp:	12540
Ion Ratio	Lower	Upper
178	100	
179	17.0	13.4 20.2
176	20.1	16.0 24.0

Manual Integrations

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Reviewed By :Yogesh Patel 07/25/2023

Supervised By :mohammad ahmed 07/25/2023



#16

Anthracene

Concen: 0.062 ng/ul

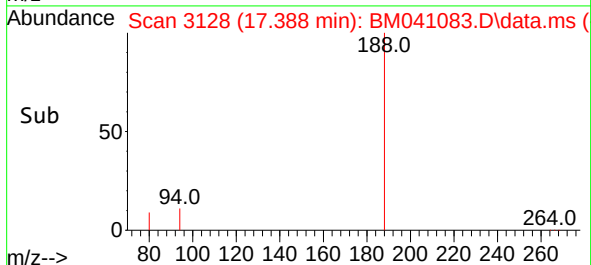
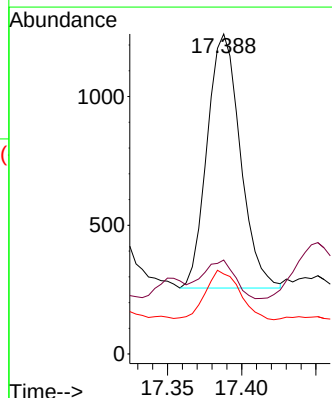
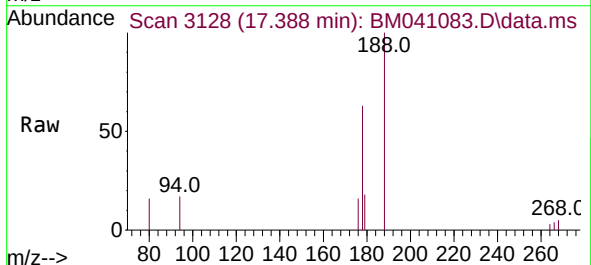
RT: 17.388 min Scan# 3128

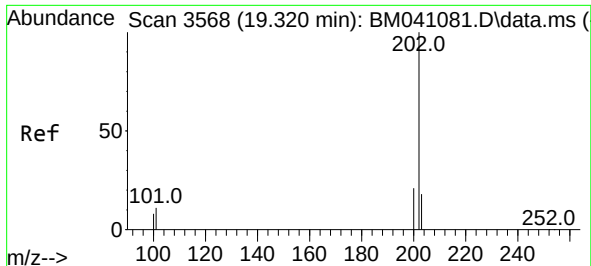
Delta R.T. -0.008 min

Lab File: BM041083.D

Acq: 24 Jul 2023 20:04

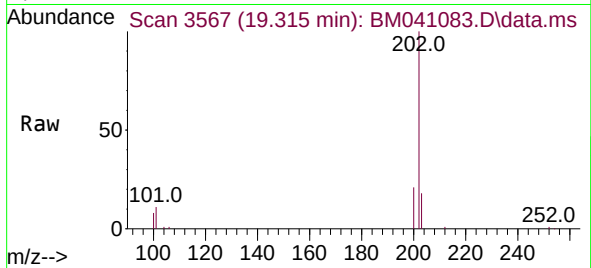
Tgt Ion:178	Resp:	1534
Ion Ratio	Lower	Upper
178	100	
179	29.4	13.6 20.4#
176	25.0	16.0 24.0#





#19
Fluoranthene
Concen: 1.032 ng/u1
RT: 19.315 min Scan# 3567
Delta R.T. -0.004 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

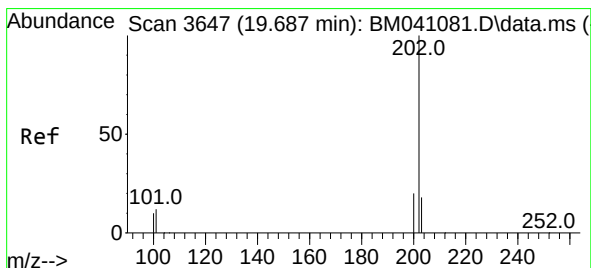
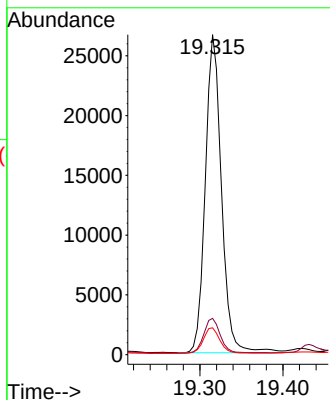
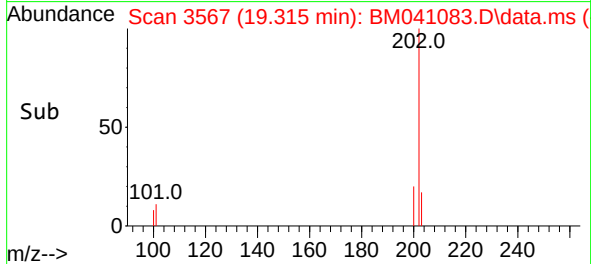
Instrument :
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ClientSampleId :
A4727



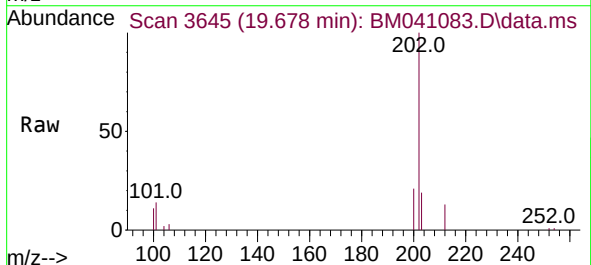
Tgt Ion:202 Resp: 36100
Ion Ratio Lower Upper
202 100
101 11.4 9.4 14.0
100 8.4 7.1 10.7

Manual Integrations
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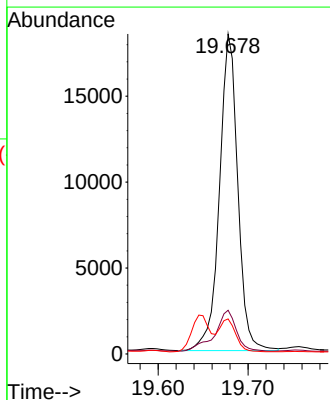
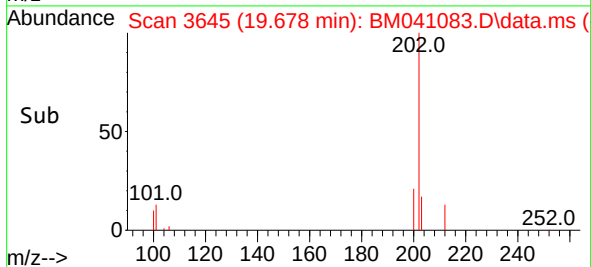
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

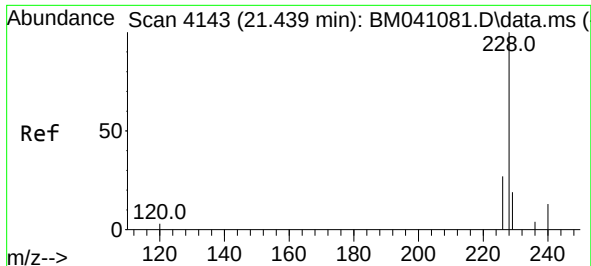


#20
Pyrene
Concen: 0.676 ng/u1
RT: 19.678 min Scan# 3645
Delta R.T. -0.009 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04



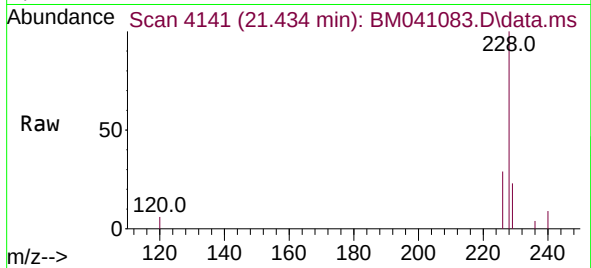
Tgt Ion:202 Resp: 26065
Ion Ratio Lower Upper
202 100
101 13.6 10.7 16.1
100 11.0 8.5 12.7





#21
Benzo(a)anthracene
Concen: 0.470 ng/ul
RT: 21.434 min Scan# 4143
Delta R.T. -0.009 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

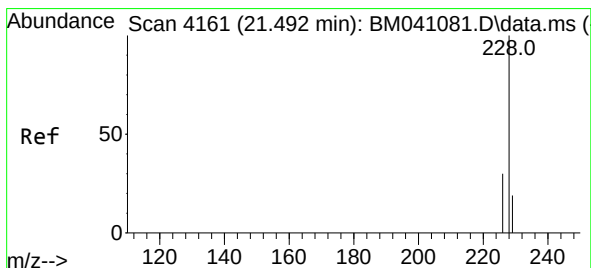
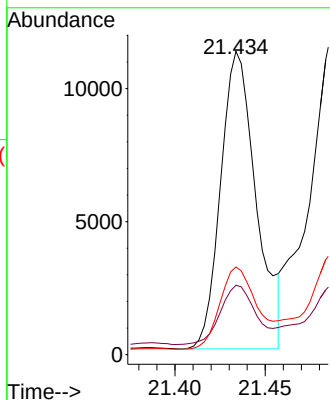
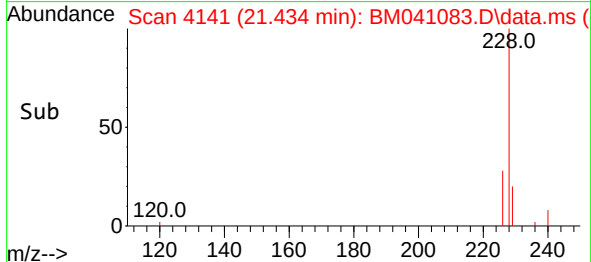
Instrument :
BNA_M
ClientSampleId :
A4727



Tgt Ion:228 Resp: 1532
Ion Ratio Lower Upper
228 100
229 22.9 16.5 24.7
226 28.9 22.2 33.2

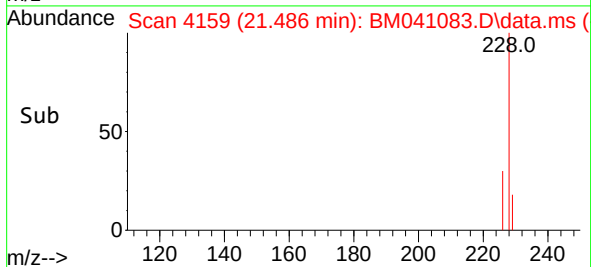
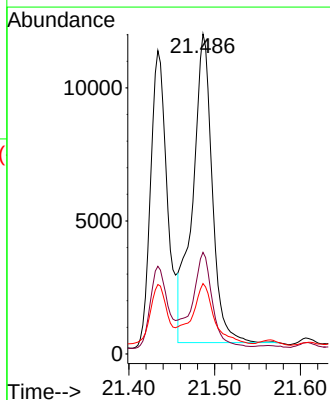
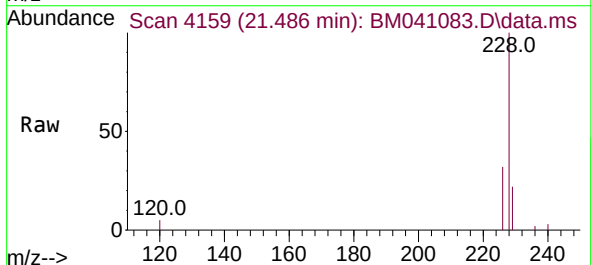
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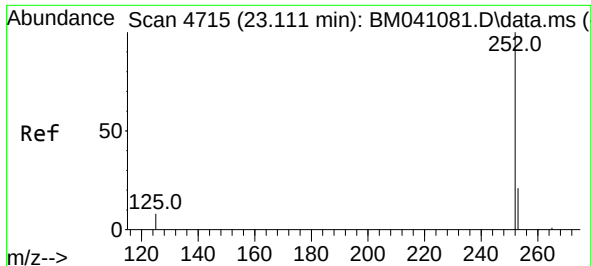
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#22
Chrysene
Concen: 0.489 ng/ul
RT: 21.486 min Scan# 4159
Delta R.T. -0.009 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

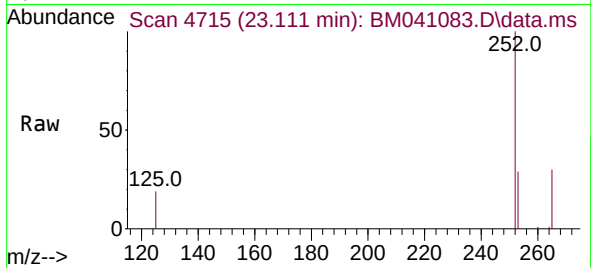
Tgt Ion:228 Resp: 18442
Ion Ratio Lower Upper
228 100
226 31.8 24.2 36.4
229 22.0 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 0.650 ng/ul
RT: 23.111 min Scan# 4715
Delta R.T. -0.006 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

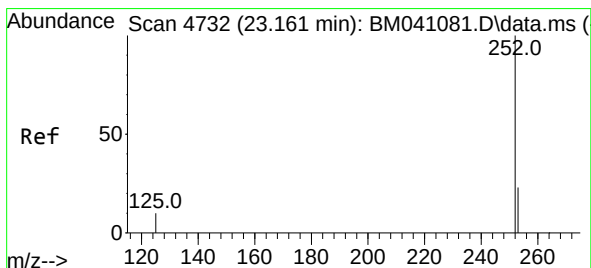
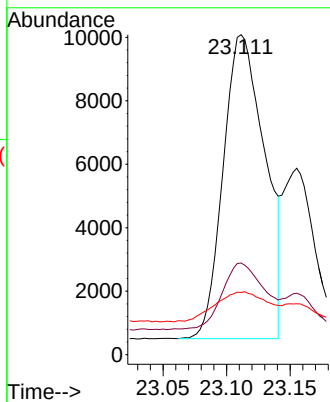
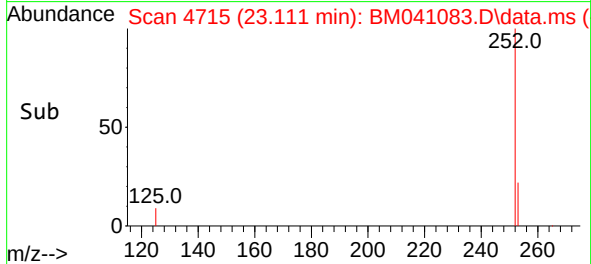
Instrument :
BNA_M
ClientSampleId :
A4727



Tgt Ion:252 Resp: 21790
Ion Ratio Lower Upper
252 100
253 28.7 0.0 57.6
125 19.4 0.0 33.6

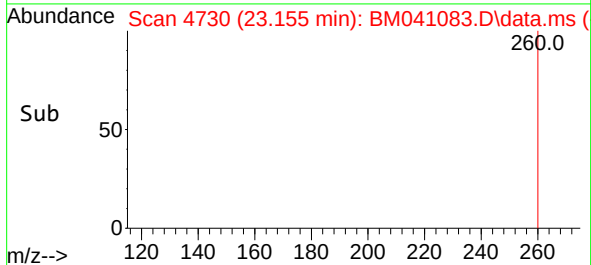
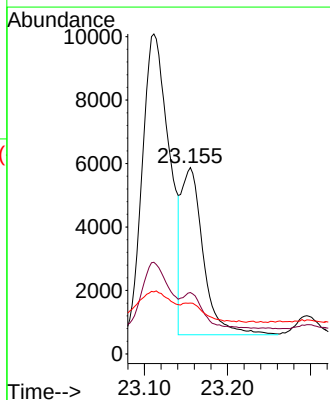
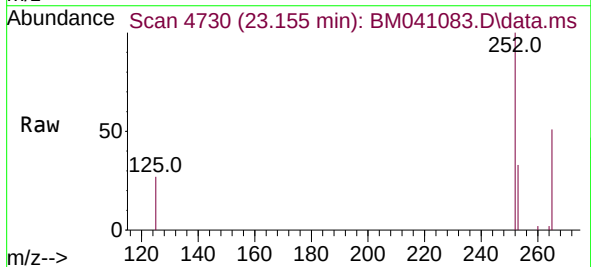
Manual Integrations
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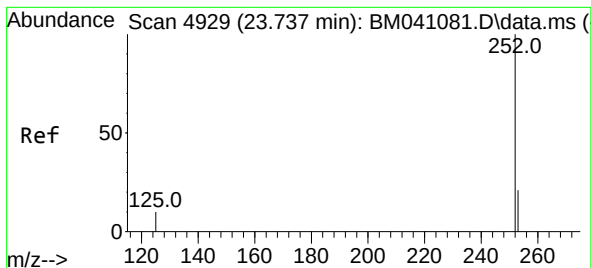
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#25
Benzo(k)fluoranthene
Concen: 0.304 ng/ul m
RT: 23.155 min Scan# 4730
Delta R.T. -0.009 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

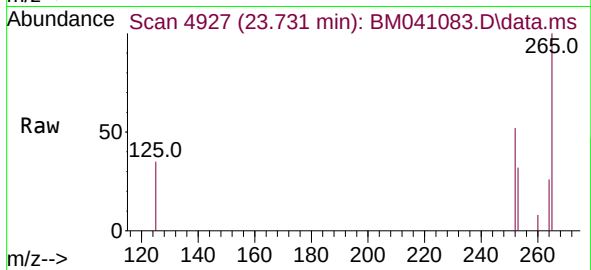
Tgt Ion:252 Resp: 9716
Ion Ratio Lower Upper
252 100
253 32.9 22.8 34.2
125 27.3 13.5 20.3#





#26
Benzo(a)pyrene
Concen: 0.086 ng/ul
RT: 23.731 min Scan# 4929
Delta R.T. -0.009 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

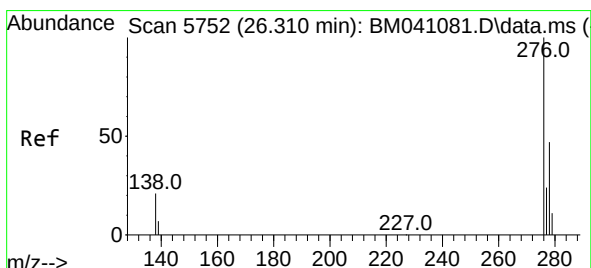
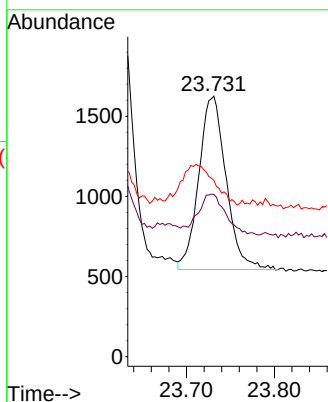
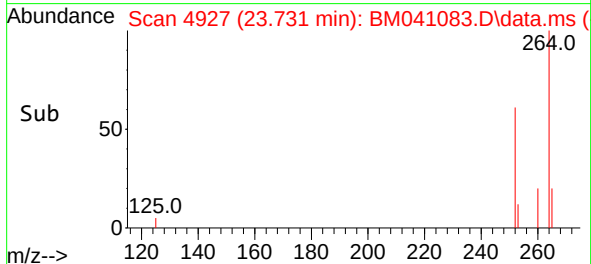
Instrument :
BNA_M
ClientSampleId :
A4727



Tgt Ion:252 Resp: 233
Ion Ratio Lower Upper
252 100
253 62.2 26.7 40.1
125 67.7 18.1 27.1

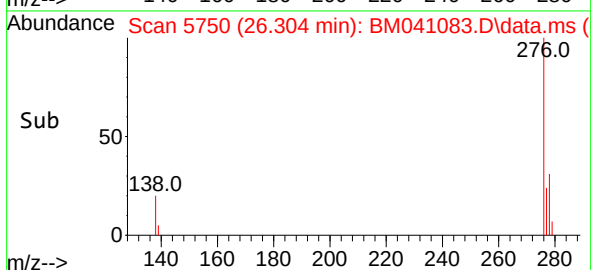
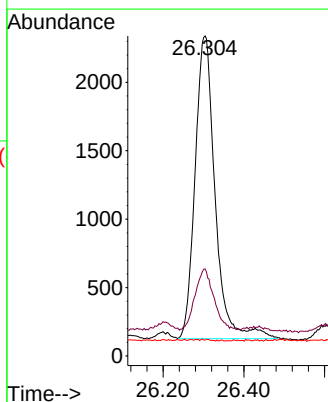
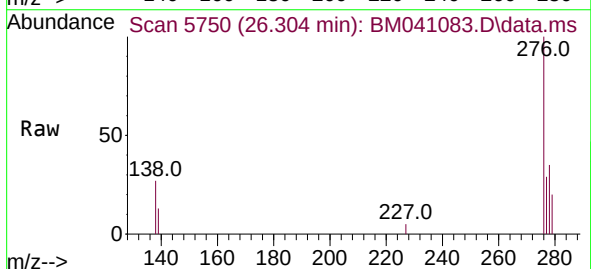
Manual Integrations
APPROVED

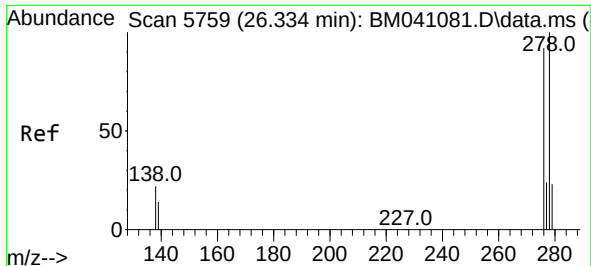
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.189 ng/ul
RT: 26.304 min Scan# 5750
Delta R.T. -0.010 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

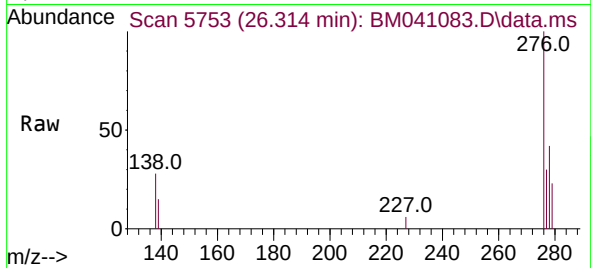
Tgt Ion:276 Resp: 7600
Ion Ratio Lower Upper
276 100
138 19.1 18.1 27.1
227 0.1 0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.090 ng/ul
RT: 26.314 min Scan# 5753
Delta R.T. -0.023 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04

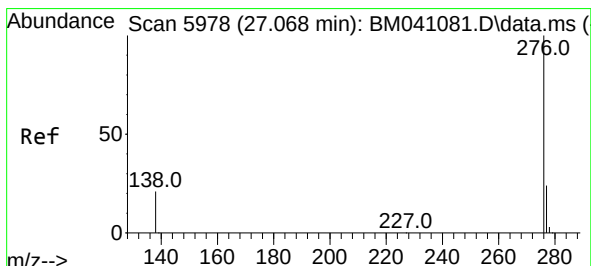
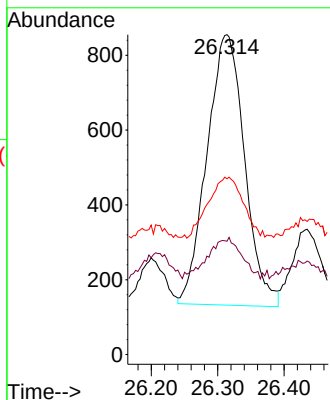
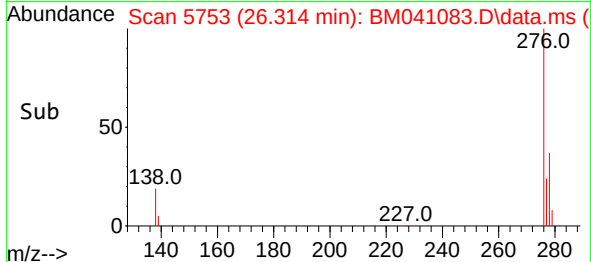
Instrument :
BNA_M
ClientSampleId :
A4727



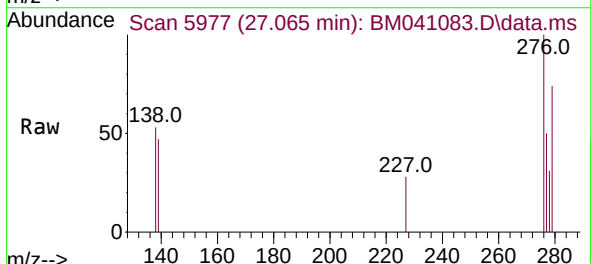
Tgt Ion: 278 Resp: 285
Ion Ratio Lower Upper
278 100
139 35.4 14.1 21.1
279 55.0 25.0 37.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#29
Benzo(g,h,i)perylene
Concen: 0.030 ng/ul
RT: 27.065 min Scan# 5977
Delta R.T. -0.003 min
Lab File: BM041083.D
Acq: 24 Jul 2023 20:04



Tgt Ion: 276 Resp: 1065
Ion Ratio Lower Upper
276 100
138 53.4 18.2 27.2#
277 50.4 20.6 30.8#

