

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090623\
 Data File : BM041668.D
 Acq On : 06 Sep 2023 21:03
 Operator : MA/JU
 Sample : 04113-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EZYL2

Manual Integrations
 APPROVED

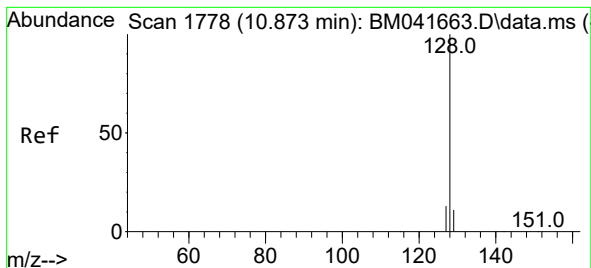
Reviewed By :Yogesh Patel 09/07/2023
 Supervised By :mohammad ahmed 09/07/2023

Quant Time: Sep 06 22:35:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM090523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 06 02:20:07 2023
 Response via : Initial Calibration

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

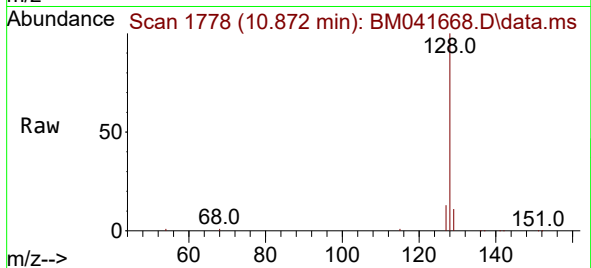
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.005	152	6015	0.400	ng/ul	0.00
4) Naphthalene-d8	10.823	136	14698	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.647	164	7267	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.396	188	14153	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.568	240	7556	0.400	ng/ul	# 0.00
23) Perylene-d12	24.003	264	8145	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.410	96	25144	2.735	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.401	152	3286	0.174	ng/ul	0.00
18) Fluoranthene-d10	19.417	212	5292	0.144	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.872	128	35529	0.736	ng/ul	99
7) 2-Methylnaphthalene	12.478	142	31442	1.148	ng/ul	100
8) 1-Methylnaphthalene	12.693	142	9431	0.343	ng/ul	100
10) Acenaphthylene	14.374	152	4895	0.109	ng/ul#	93
11) Acenaphthene	14.708	153	11269	0.323	ng/ul	98
12) Fluorene	15.693	166	2936	0.075	ng/ul#	93
15) Phenanthrene	17.438	178	73580	1.231	ng/ul	99
16) Anthracene	17.531	178	13001	0.254	ng/ul	95
19) Fluoranthene	19.450	202	285598	3.202	ng/ul	97
20) Pyrene	19.812	202	319617m	3.608	ng/ul	
21) Benzo(a)anthracene	21.550	228	240942	3.910	ng/ul	99
22) Chrysene	21.606	228	301404	4.533	ng/ul	98
24) Benzo(b)fluoranthene	23.254	252	599684	8.228	ng/ul	92
25) Benzo(k)fluoranthene	23.301	252	223830m	3.137	ng/ul	
26) Benzo(a)pyrene	23.895	252	457096	7.718	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	26.528	276	406518	5.003	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.542	278	76775	1.348	ng/ul	96
29) Benzo(g,h,i)perylene	27.316	276	440424	6.118	ng/ul	97

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



#5
Naphthalene
Concen: 0.736 ng/ul
RT: 10.872 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM041668.D
Acq: 06 Sep 2023 21:03

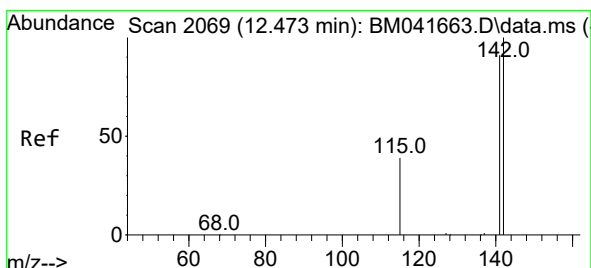
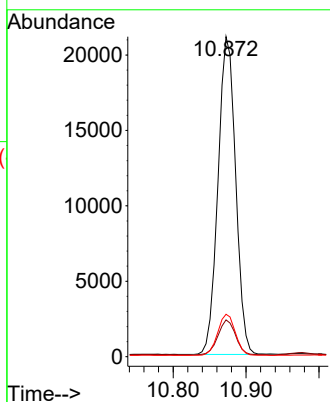
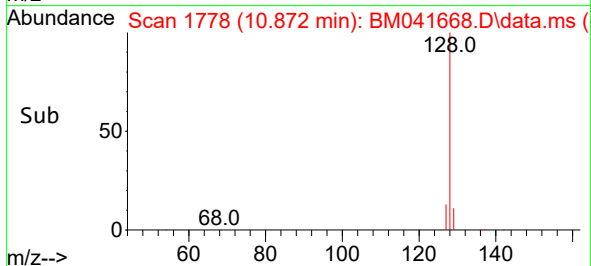
Instrument :
BNA_M
ClientSampleId :
EZY2



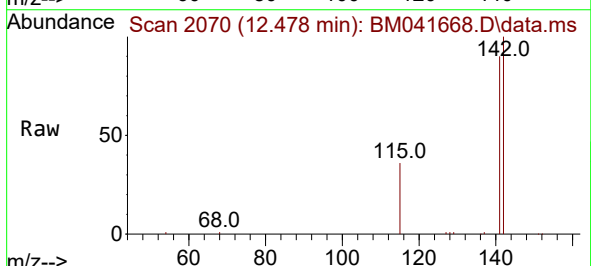
Tgt Ion:128 Resp: 35529
Ion Ratio Lower Upper
128 100
129 11.5 9.4 14.0
127 13.2 11.0 16.6

Manual Integrations
APPROVED

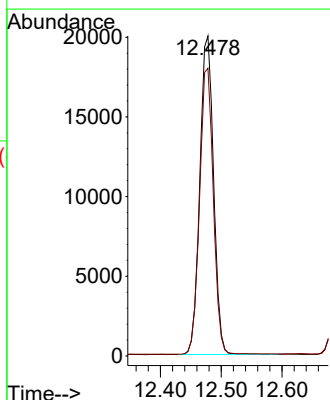
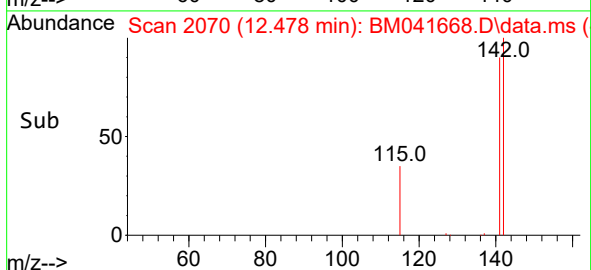
Reviewed By :Yogesh Patel 09/07/2023
Supervised By :mohammad ahmed 09/07/2023

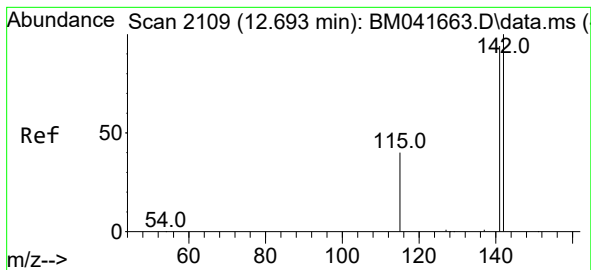


#7
2-Methylnaphthalene
Concen: 1.148 ng/ul
RT: 12.478 min Scan# 2070
Delta R.T. -0.000 min
Lab File: BM041668.D
Acq: 06 Sep 2023 21:03



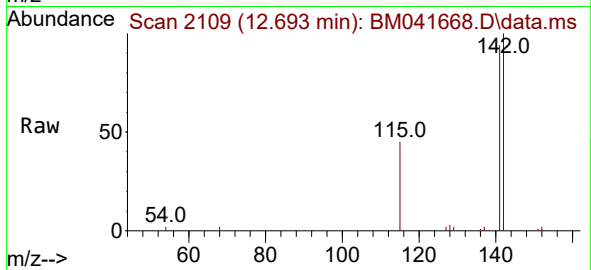
Tgt Ion:142 Resp: 31442
Ion Ratio Lower Upper
142 100
141 89.7 72.2 108.2





#8
1-Methylnaphthalene
Concen: 0.343 ng/ul
RT: 12.693 min Scan# 2109
Delta R.T. -0.006 min
Lab File: BM041668.D
Acq: 06 Sep 2023 21:03

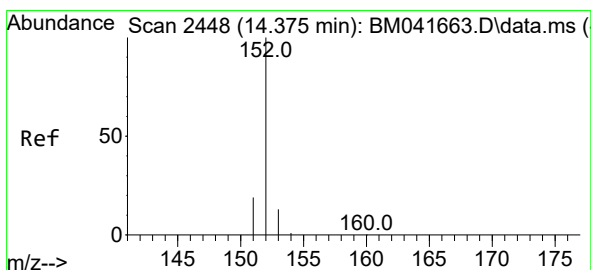
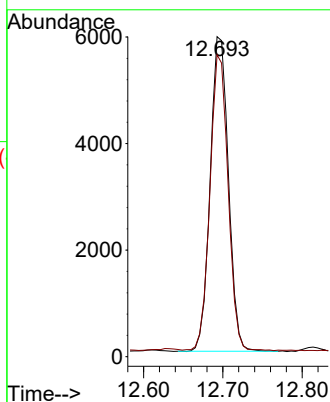
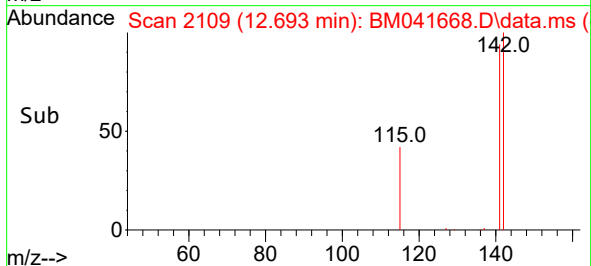
Instrument :
BNA_M
ClientSampleId :
EZY2



Tgt Ion:142 Resp: 943
Ion Ratio Lower Upper
142 100
141 93.4 74.4 111.6

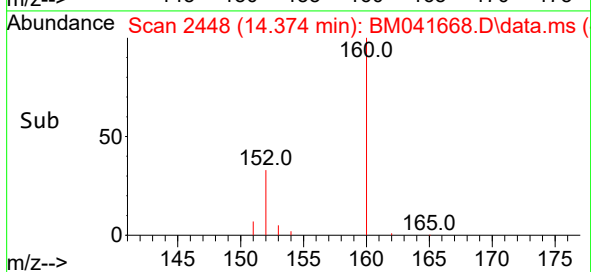
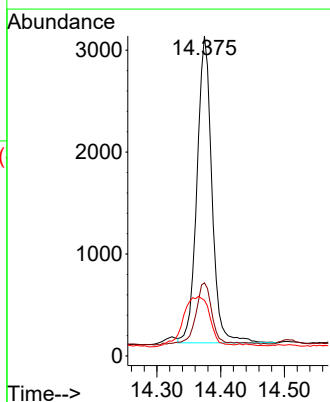
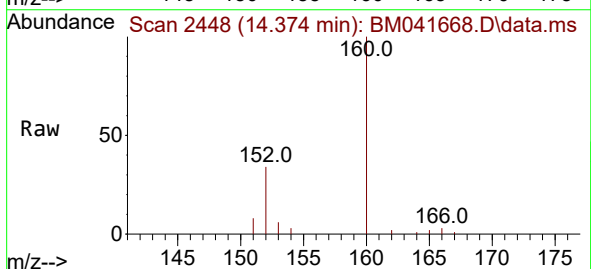
Manual Integrations
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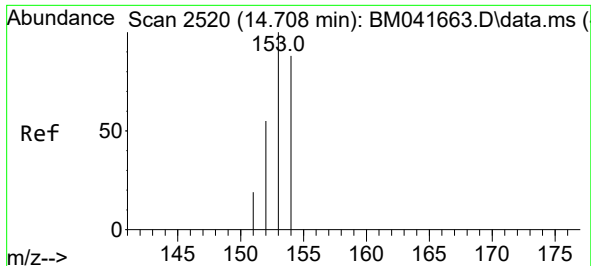
Reviewed By :Yogesh Patel 09/07/2023
Supervised By :mohammad ahmed 09/07/2023



#10
Acenaphthylene
Concen: 0.109 ng/ul
RT: 14.374 min Scan# 2448
Delta R.T. -0.000 min
Lab File: BM041668.D
Acq: 06 Sep 2023 21:03

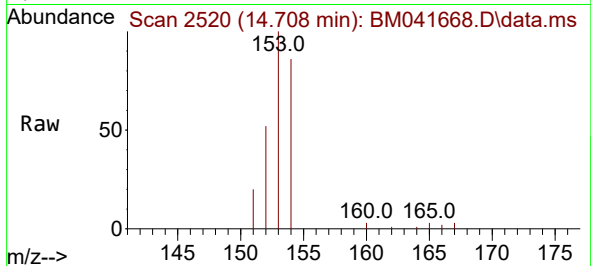
Tgt Ion:152 Resp: 4895
Ion Ratio Lower Upper
152 100
151 22.8 16.4 24.6
153 17.4 11.1 16.7#





#11
Acenaphthene
Concen: 0.323 ng/uI
RT: 14.708 min Scan# 2126
Delta R.T. -0.005 min
Lab File: BM041668.D
Acq: 06 Sep 2023 21:03

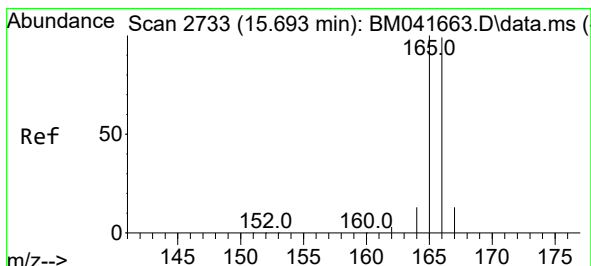
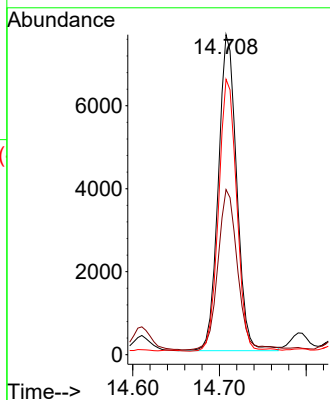
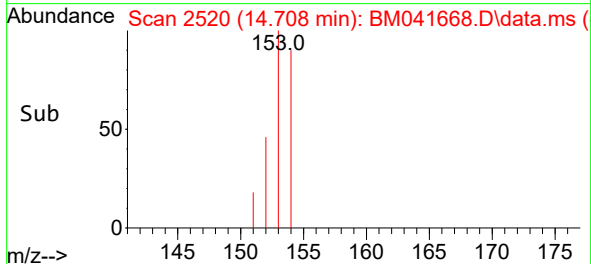
Instrument :
BNA_M
ClientSampleId :
EZY2



Tgt Ion:153 Resp: 11269
Ion Ratio Lower Upper
153 100
152 51.6 43.4 65.2
154 86.0 69.4 104.0

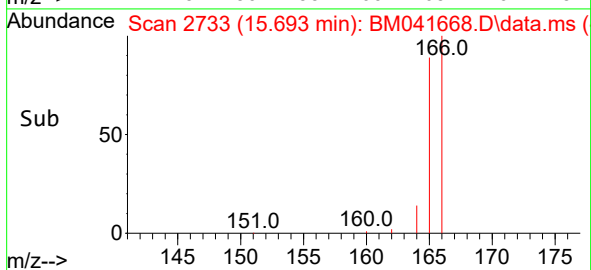
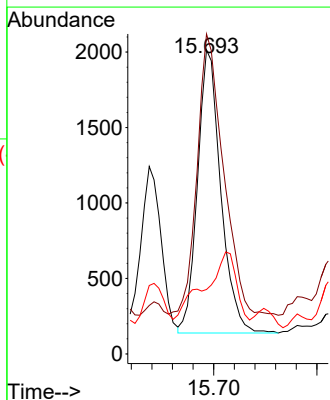
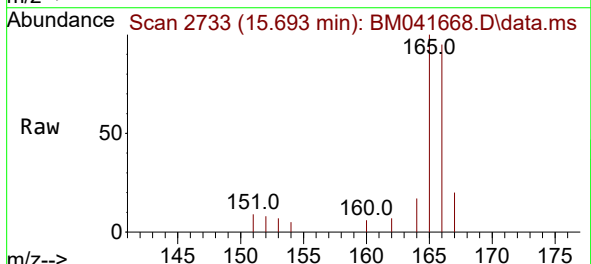
Manual Integrations
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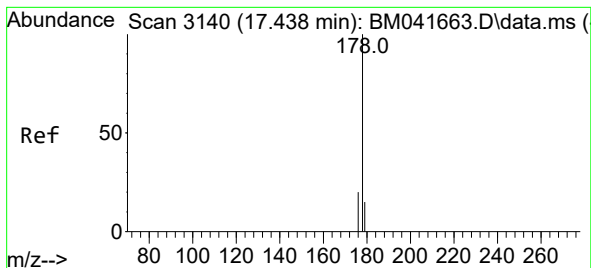
Reviewed By :Yogesh Patel 09/07/2023
Supervised By :mohammad ahmed 09/07/2023



#12
Fluorene
Concen: 0.075 ng/uI
RT: 15.693 min Scan# 2733
Delta R.T. -0.005 min
Lab File: BM041668.D
Acq: 06 Sep 2023 21:03

Tgt Ion:166 Resp: 2936
Ion Ratio Lower Upper
166 100
165 105.3 79.4 119.2
167 21.2 11.3 16.9#





#15

Phenanthrene

Concen: 1.231 ng/ul

RT: 17.438 min Scan# 3140

Delta R.T. -0.004 min

Lab File: BM041668.D

Acq: 06 Sep 2023 21:03

Instrument :

BNA_M

ClientSampleId :

EZYL2

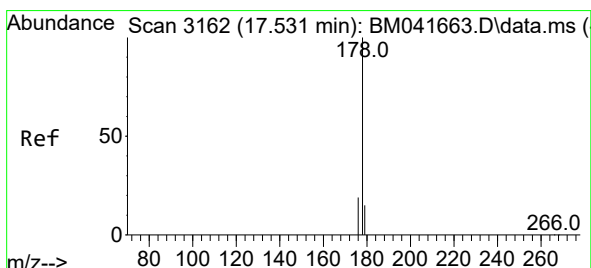
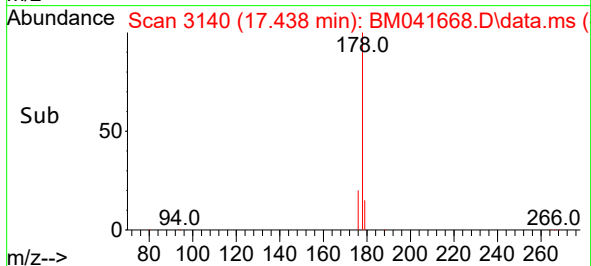
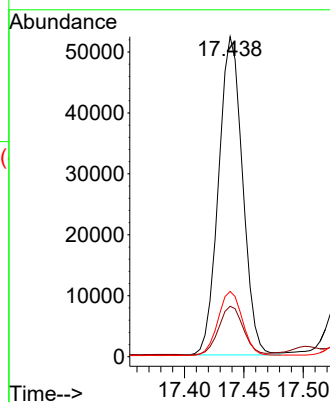
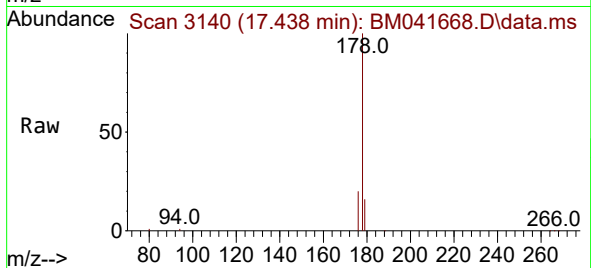
Tgt Ion:	178	Resp:	73580
Ion Ratio	Lower	Upper	
178	100		
179	15.8	12.9	19.3
176	20.4	16.9	25.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/07/2023

Supervised By :mohammad ahmed 09/07/2023



#16

Anthracene

Concen: 0.254 ng/ul

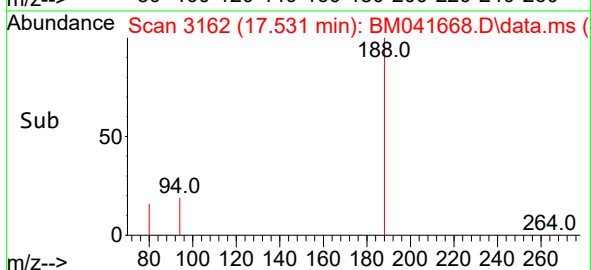
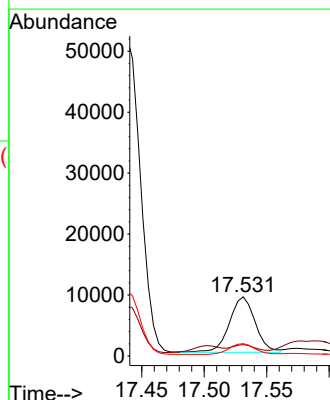
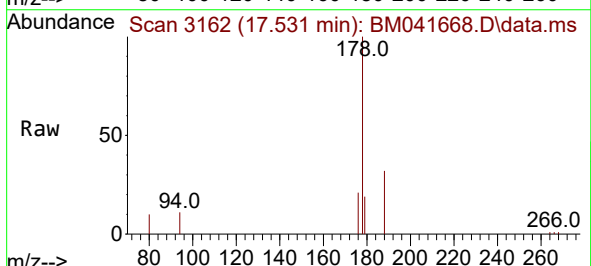
RT: 17.531 min Scan# 3162

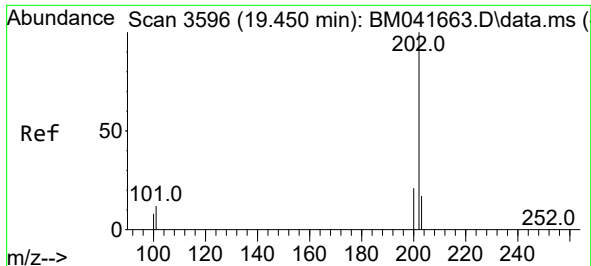
Delta R.T. -0.004 min

Lab File: BM041668.D

Acq: 06 Sep 2023 21:03

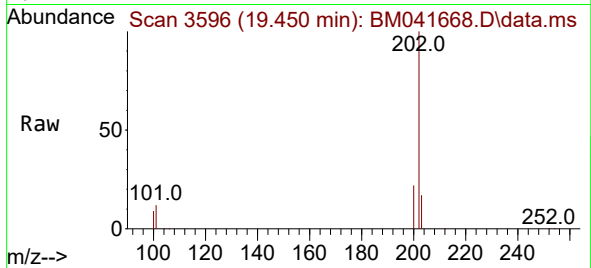
Tgt Ion:	178	Resp:	13001
Ion Ratio	Lower	Upper	
178	100		
179	19.2	12.9	19.3
176	20.9	15.8	23.8





#19
Fluoranthene
Concen: 3.202 ng/ul
RT: 19.450 min Scan# 3596
Delta R.T. -0.000 min
Lab File: BM041668.D
Acq: 06 Sep 2023 21:03

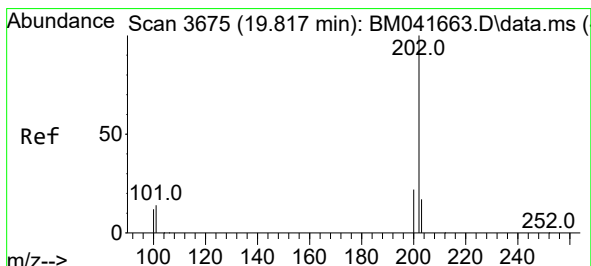
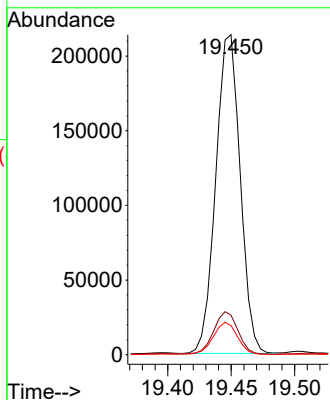
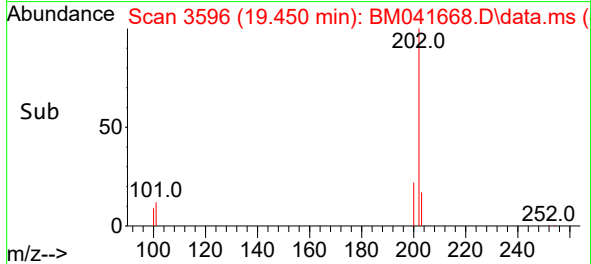
Instrument :
BNA_M
ClientSampleId :
EZYL2



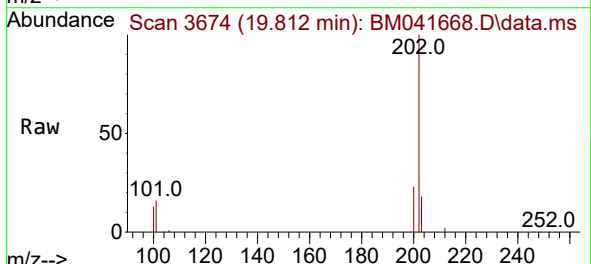
Tgt Ion:202 Resp: 285598
Ion Ratio Lower Upper
202 100
101 12.3 10.5 15.7
100 9.1 8.4 12.6

Manual Integrations
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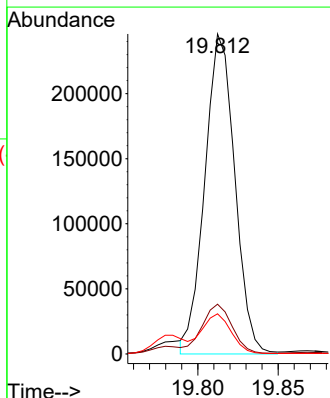
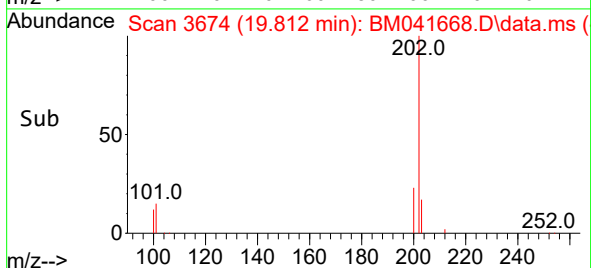
Reviewed By :Yogesh Patel 09/07/2023
Supervised By :mohammad ahmed 09/07/2023

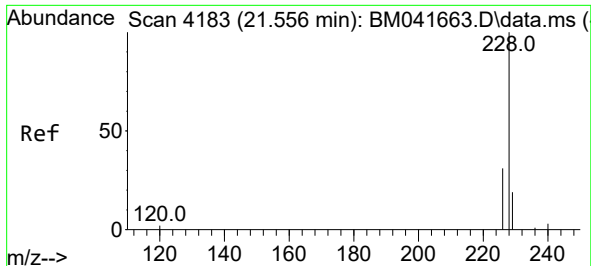


#20
Pyrene
Concen: 3.608 ng/ul m
RT: 19.812 min Scan# 3674
Delta R.T. -0.005 min
Lab File: BM041668.D
Acq: 06 Sep 2023 21:03



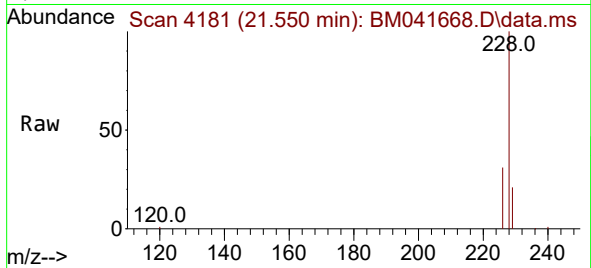
Tgt Ion:202 Resp: 319617
Ion Ratio Lower Upper
202 100
101 15.6 11.8 17.8
100 12.5 9.8 14.6





#21
Benzo(a)anthracene
Concen: 3.910 ng/ul
RT: 21.550 min Scan# 4183
Delta R.T. -0.003 min
Lab File: BM041668.D
Acq: 06 Sep 2023 21:03

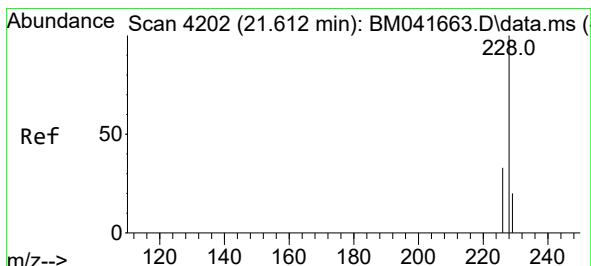
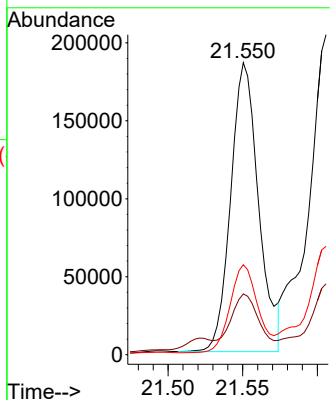
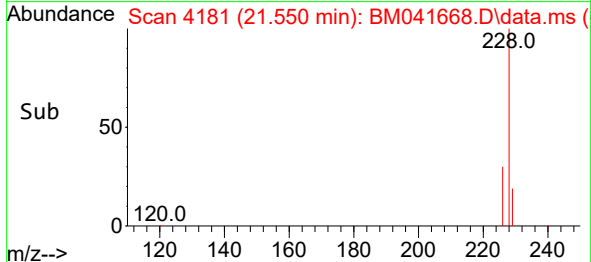
Instrument :
BNA_M
ClientSampleId :
EZY2



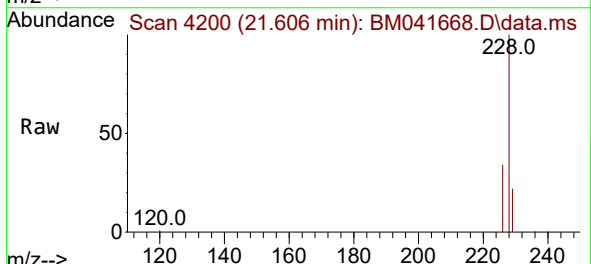
Tgt Ion:228 Resp: 24094
Ion Ratio Lower Upper
228 100
229 20.9 15.8 23.6
226 30.8 24.8 37.2

Manual Integrations
APPROVED

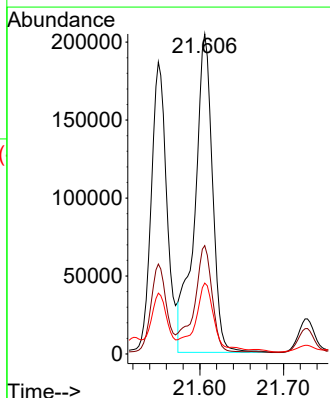
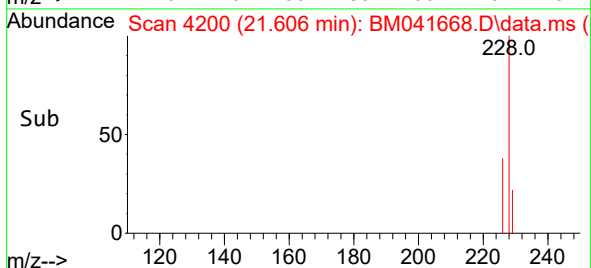
Reviewed By :Yogesh Patel 09/07/2023
Supervised By :mohammad ahmed 09/07/2023

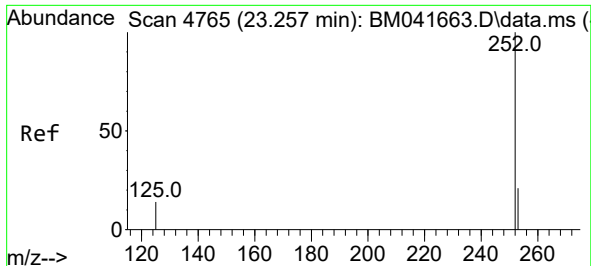


#22
Chrysene
Concen: 4.533 ng/ul
RT: 21.606 min Scan# 4200
Delta R.T. -0.003 min
Lab File: BM041668.D
Acq: 06 Sep 2023 21:03



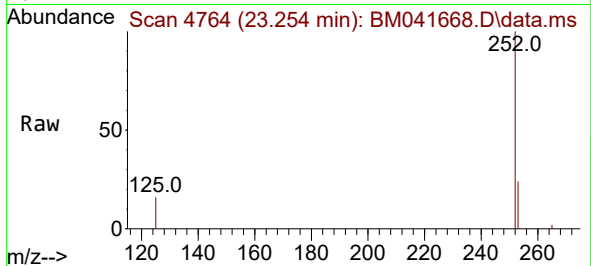
Tgt Ion:228 Resp: 301404
Ion Ratio Lower Upper
228 100
226 33.9 27.0 40.6
229 22.2 15.4 23.2





#24
Benzo(b)fluoranthene
Concen: 8.228 ng/ul
RT: 23.254 min Scan# 4764
Delta R.T. 0.003 min
Lab File: BM041668.D
Acq: 06 Sep 2023 21:03

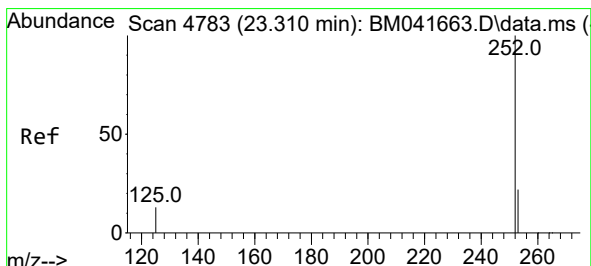
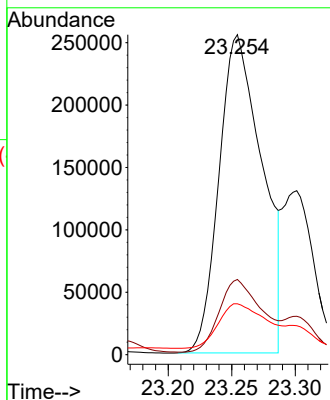
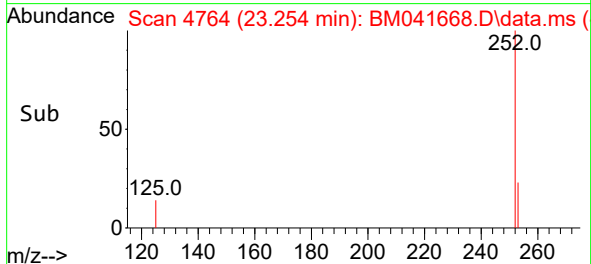
Instrument :
BNA_M
ClientSampleId :
EZYL2



Tgt Ion:252 Resp: 599684
Ion Ratio Lower Upper
252 100
253 23.5 0.0 52.4
125 15.9 0.0 42.8

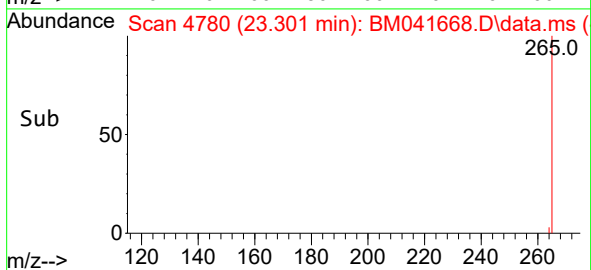
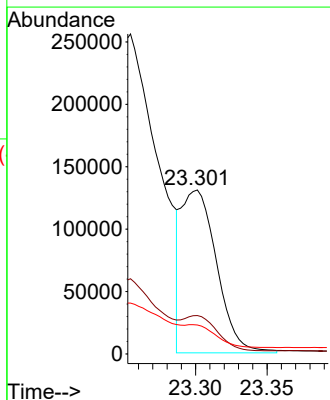
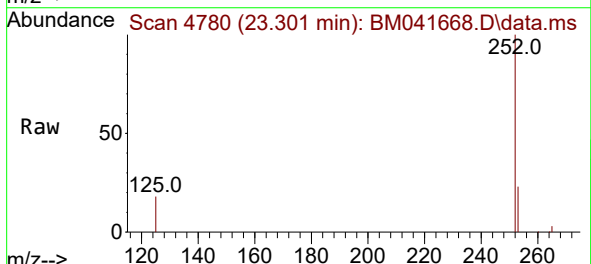
Manual Integrations
APPROVED

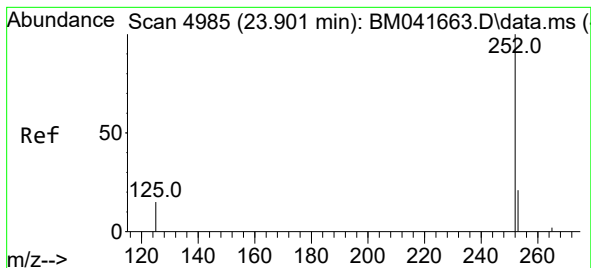
Reviewed By :Yogesh Patel 09/07/2023
Supervised By :mohammad ahmed 09/07/2023



#25
Benzo(k)fluoranthene
Concen: 3.137 ng/ul m
RT: 23.301 min Scan# 4780
Delta R.T. -0.003 min
Lab File: BM041668.D
Acq: 06 Sep 2023 21:03

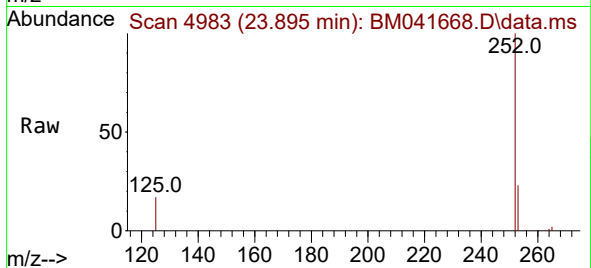
Tgt Ion:252 Resp: 223830
Ion Ratio Lower Upper
252 100
253 23.4 21.3 31.9
125 17.7 17.4 26.0





#26
Benzo(a)pyrene
Concen: 7.718 ng/ul
RT: 23.895 min Scan# 4985
Delta R.T. -0.003 min
Lab File: BM041668.D
Acq: 06 Sep 2023 21:03

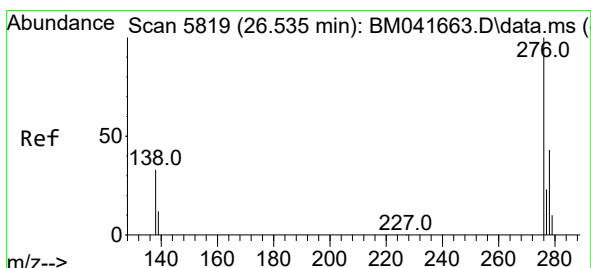
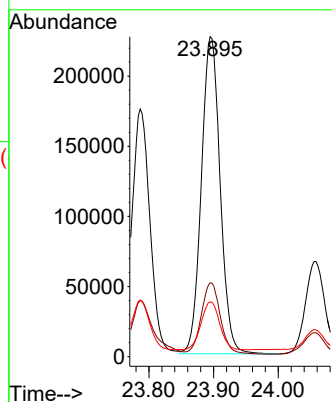
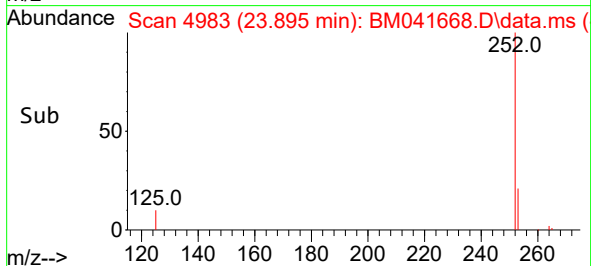
Instrument :
BNA_M
ClientSampleId :
EZYL2



Tgt Ion:252 Resp: 457090
Ion Ratio Lower Upper
252 100
253 23.1 22.4 33.6
125 17.2 21.0 31.4

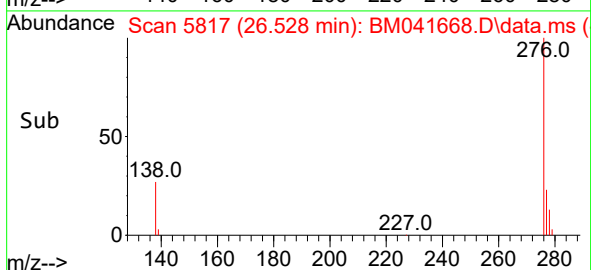
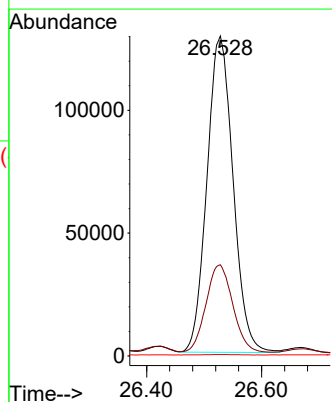
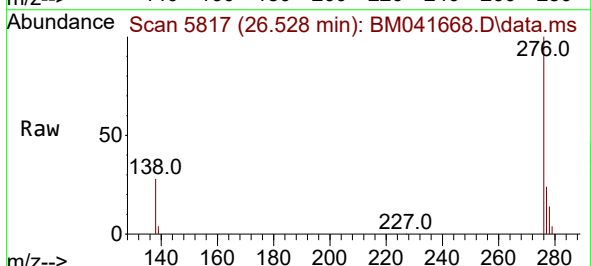
Manual Integrations
APPROVED

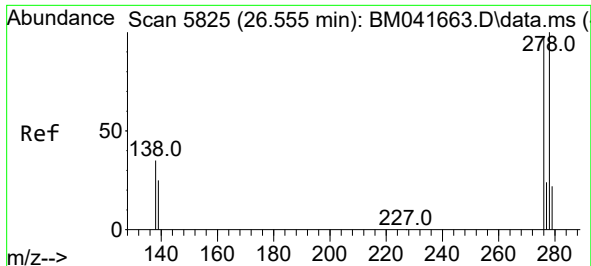
Reviewed By :Yogesh Patel 09/07/2023
Supervised By :mohammad ahmed 09/07/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 5.003 ng/ul
RT: 26.528 min Scan# 5817
Delta R.T. -0.003 min
Lab File: BM041668.D
Acq: 06 Sep 2023 21:03

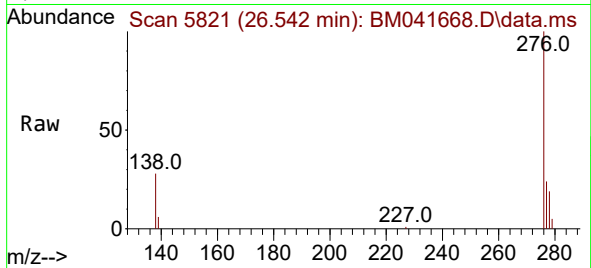
Tgt Ion:276 Resp: 406518
Ion Ratio Lower Upper
276 100
138 28.2 26.4 39.6
227 0.1 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 1.348 ng/ul
RT: 26.542 min Scan# 5821
Delta R.T. -0.010 min
Lab File: BM041668.D
Acq: 06 Sep 2023 21:03

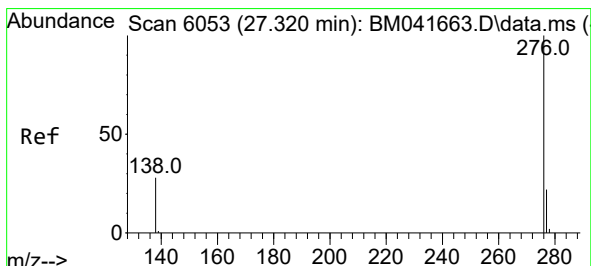
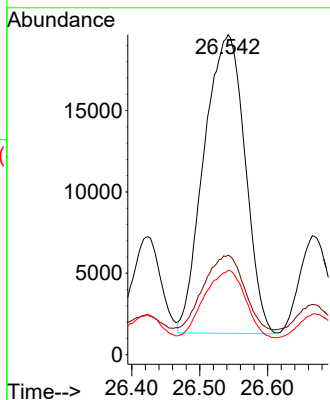
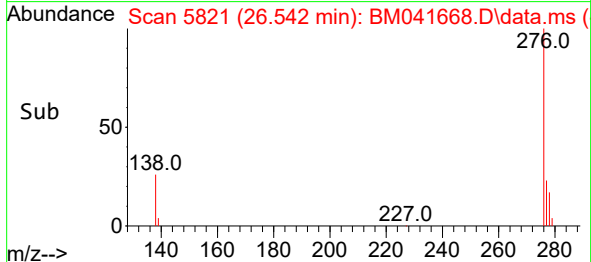
Instrument :
BNA_M
ClientSampleId :
EZY2



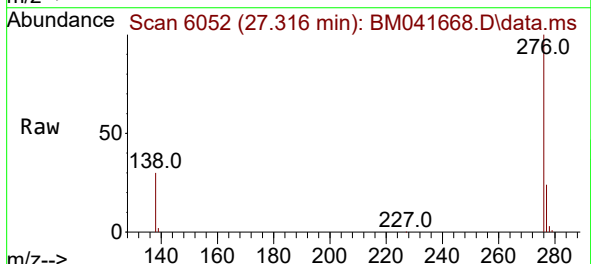
Tgt Ion:278 Resp: 7677
Ion Ratio Lower Upper
278 100
139 31.1 23.0 34.6
279 26.4 22.9 34.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/07/2023
Supervised By :mohammad ahmed 09/07/2023



#29
Benzo(g,h,i)perylene
Concen: 6.118 ng/ul
RT: 27.316 min Scan# 6052
Delta R.T. -0.000 min
Lab File: BM041668.D
Acq: 06 Sep 2023 21:03



Tgt Ion:276 Resp: 440424
Ion Ratio Lower Upper
276 100
138 29.8 25.0 37.4
277 23.9 20.2 30.2

