

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092723\
 Data File : BM042088.D
 Acq On : 27 Sep 2023 17:00
 Operator : MA/JU
 Sample : 04450-14
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BBHQ4

Manual Integrations
 APPROVED

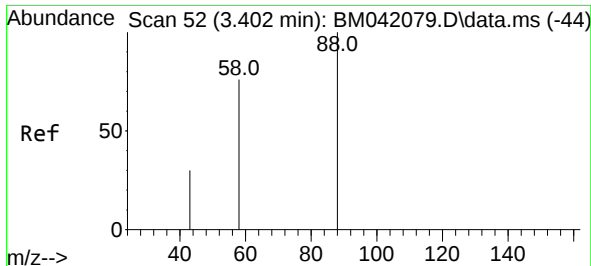
Reviewed By :Yogesh Patel 09/28/2023
 Supervised By :mohammad ahmed 09/28/2023

Quant Time: Sep 27 18:06:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM092223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 13:50:58 2023
 Response via : Initial Calibration

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

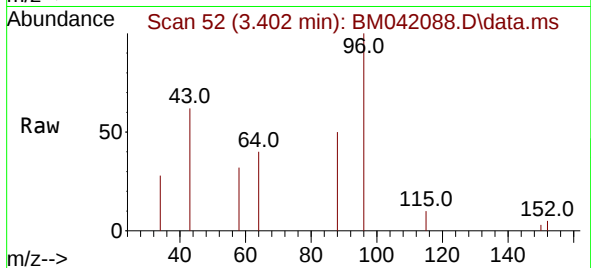
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.971	152	4734	0.400	ng/ul	# 0.02
4) Naphthalene-d8	10.757	136	8142	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.588	164	4290	0.400	ng/ul	#-0.01
13) Phenanthrene-d10	17.341	188	9447	0.400	ng/ul	#-0.01
17) Chrysene-d12	21.518	240	5812	0.400	ng/ul	0.00
23) Perylene-d12	23.921	264	7379	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.364	96	42252m	6.550	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.341	152	5084	0.499	ng/ul	-0.01
18) Fluoranthene-d10	19.362	212	10407	0.435	ng/ul	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.402	88	1229	0.181	ng/ul#	52
5) Naphthalene	10.779	128	26117	0.958	ng/ul#	1
7) 2-Methylnaphthalene	12.412	142	590	0.036	ng/ul	95
8) 1-Methylnaphthalene	12.632	142	9311	0.564	ng/ul	96
11) Acenaphthene	14.652	153	1988	0.090	ng/ul	94
12) Fluorene	15.638	166	3540	0.143	ng/ul#	97
14) Pentachlorophenol	16.970	266	465	0.093	ng/ul	98
15) Phenanthrene	17.384	178	5805	0.132	ng/ul#	90
16) Anthracene	17.472	178	1750	0.046	ng/ul#	71
19) Fluoranthene	19.394	202	11501	0.175	ng/ul	97
20) Pyrene	19.761	202	9522	0.147	ng/ul	95
21) Benzo(a)anthracene	21.501	228	3261	0.074	ng/ul#	84
22) Chrysene	21.554	228	3751	0.082	ng/ul#	84
24) Benzo(b)fluoranthene	23.184	252	3326	0.059	ng/ul#	9
25) Benzo(k)fluoranthene	23.225	252	1700m	0.031	ng/ul	
26) Benzo(a)pyrene	23.819	252	1628	0.035	ng/ul#	4
27) Indeno(1,2,3-cd)pyrene	26.408	276	1695	0.026	ng/ul#	85
29) Benzo(g,h,i)perylene	27.186	276	1628	0.030	ng/ul#	65

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



#2
1,4-Dioxane
Concen: 0.181 ng/ul
RT: 3.402 min Scan# 51
Delta R.T. -0.008 min
Lab File: BM042088.D
Acq: 27 Sep 2023 17:00

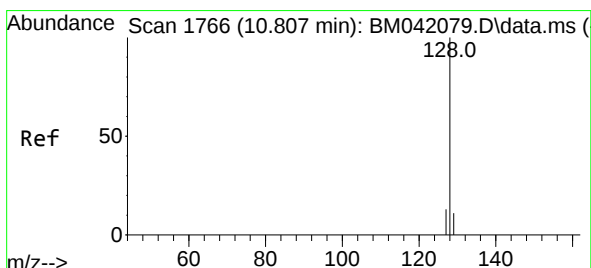
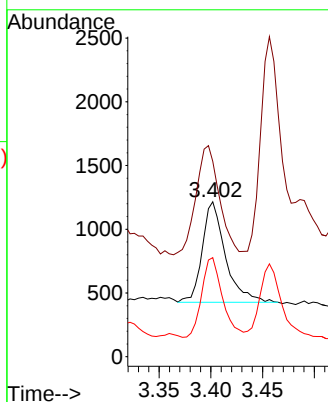
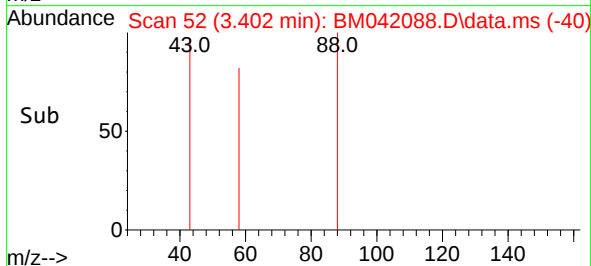
Instrument :
BNA_M
ClientSampleId :
BBHQ4



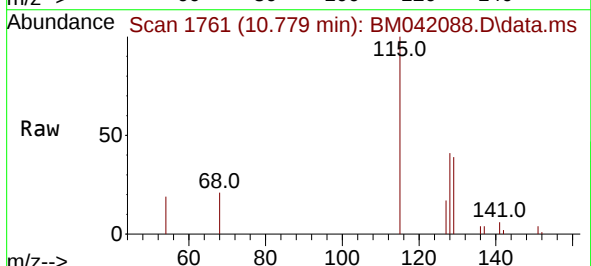
Tgt Ion: 88 Resp: 1229
Ion Ratio Lower Upper
88 100
43 126.1 42.9 64.3#
58 63.9 56.4 84.6

Manual Integrations
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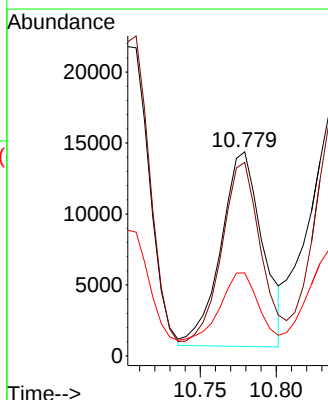
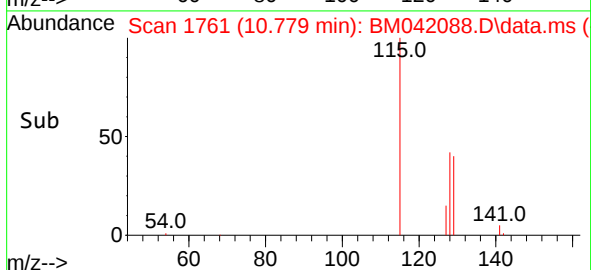
Reviewed By :Yogesh Patel 09/28/2023
Supervised By :mohammad ahmed 09/28/2023

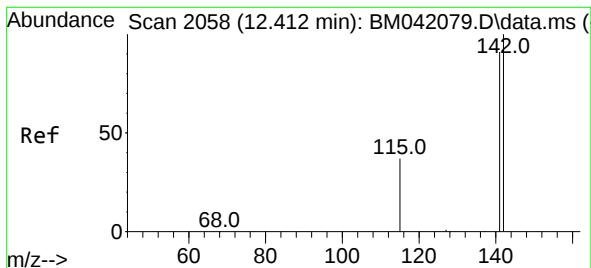


#5
Naphthalene
Concen: 0.958 ng/ul
RT: 10.779 min Scan# 1761
Delta R.T. -0.038 min
Lab File: BM042088.D
Acq: 27 Sep 2023 17:00



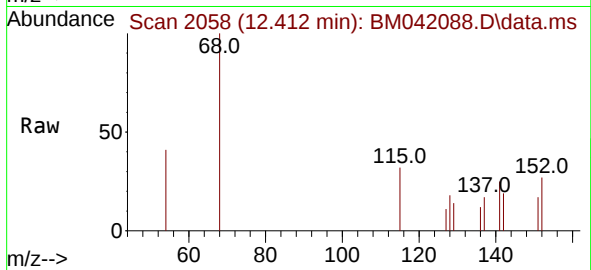
Tgt Ion:128 Resp: 26117
Ion Ratio Lower Upper
128 100
129 94.8 9.2 13.8#
127 40.6 10.8 16.2#





#7
2-Methylnaphthalene
Concen: 0.036 ng/ul
RT: 12.412 min Scan# 2058
Delta R.T. -0.011 min
Lab File: BM042088.D
Acq: 27 Sep 2023 17:00

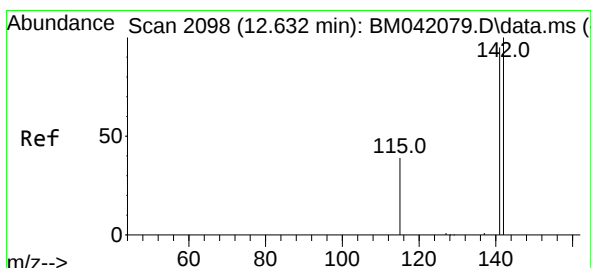
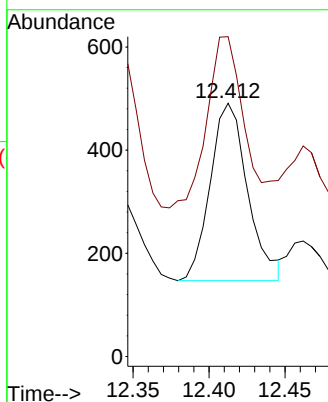
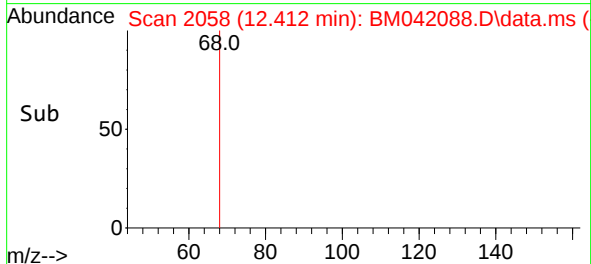
Instrument :
BNA_M
ClientSampleId :
BBHQ4



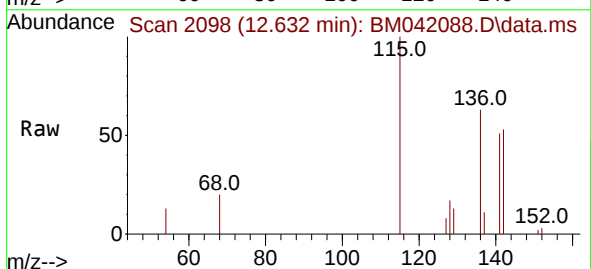
Tgt Ion:142 Resp: 590
Ion Ratio Lower Upper
142 100
141 94.6 72.1 108.1

Manual Integrations
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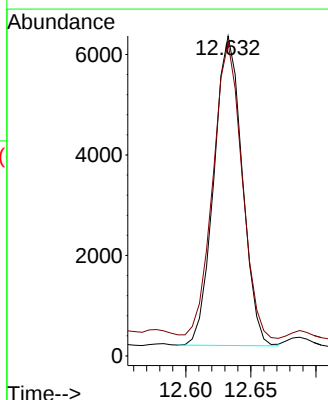
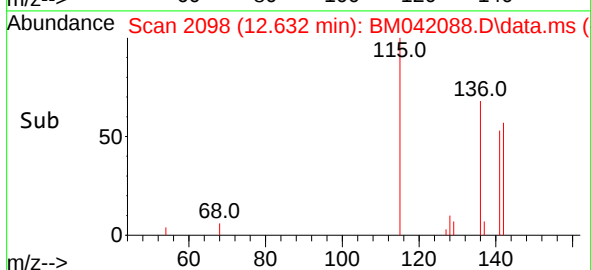
Reviewed By :Yogesh Patel 09/28/2023
Supervised By :mohammad ahmed 09/28/2023

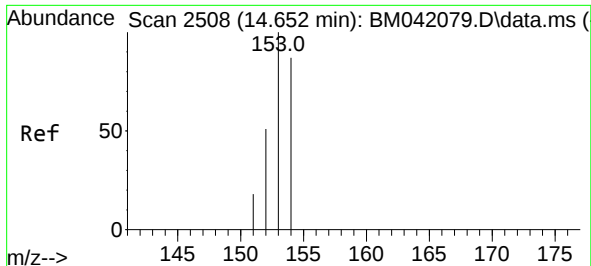


#8
1-Methylnaphthalene
Concen: 0.564 ng/ul
RT: 12.632 min Scan# 2098
Delta R.T. -0.011 min
Lab File: BM042088.D
Acq: 27 Sep 2023 17:00



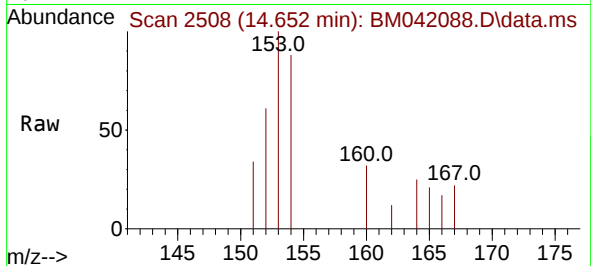
Tgt Ion:142 Resp: 9311
Ion Ratio Lower Upper
142 100
141 97.5 75.1 112.7





#11
Acenaphthene
Concen: 0.090 ng/ul
RT: 14.652 min Scan# 2508
Delta R.T. -0.009 min
Lab File: BM042088.D
Acq: 27 Sep 2023 17:00

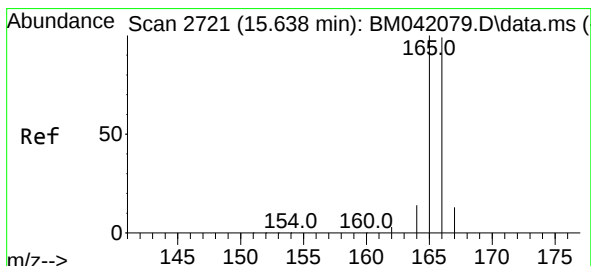
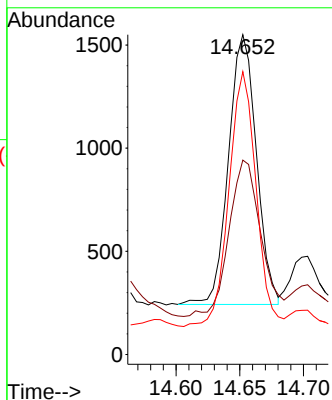
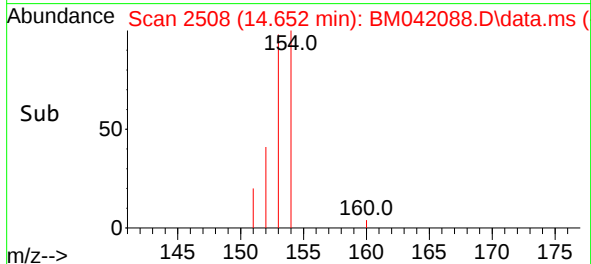
Instrument :
BNA_M
ClientSampleId :
BBHQ4



Tgt Ion:153 Resp: 198
Ion Ratio Lower Upper
153 100
152 60.8 41.8 62.8
154 88.5 69.0 103.6

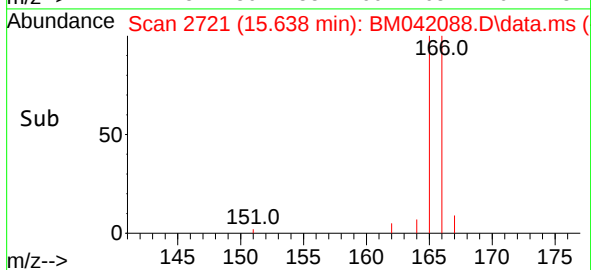
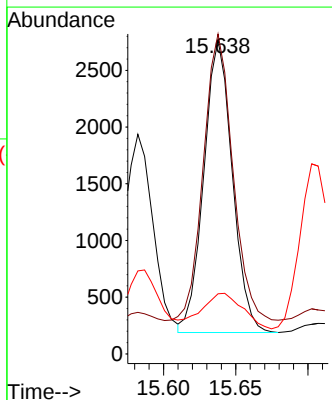
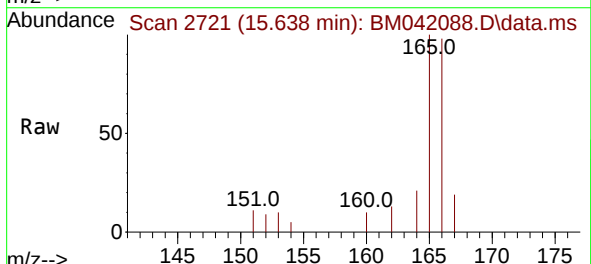
Manual Integrations
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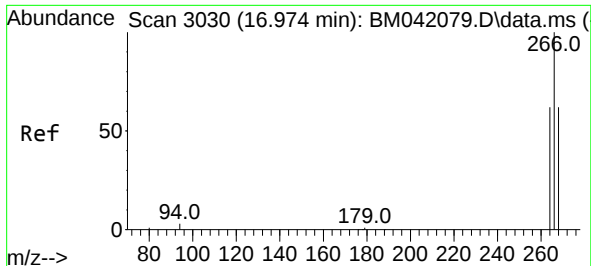
Reviewed By :Yogesh Patel 09/28/2023
Supervised By :mohammad ahmed 09/28/2023



#12
Fluorene
Concen: 0.143 ng/ul
RT: 15.638 min Scan# 2721
Delta R.T. -0.014 min
Lab File: BM042088.D
Acq: 27 Sep 2023 17:00

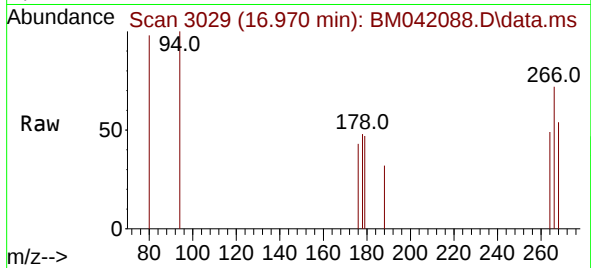
Tgt Ion:166 Resp: 3540
Ion Ratio Lower Upper
166 100
165 101.9 79.8 119.8
167 19.1 11.1 16.7#





#14
 Pentachlorophenol
 Concen: 0.093 ng/ul
 RT: 16.970 min Scan# 3030
 Delta R.T. -0.012 min
 Lab File: BM042088.D
 Acq: 27 Sep 2023 17:00

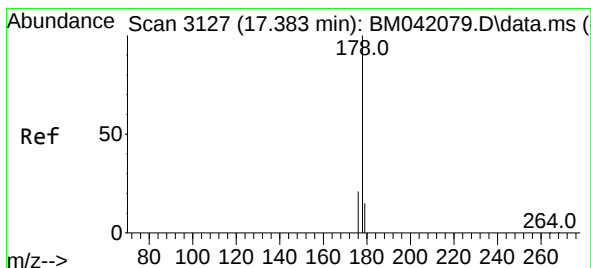
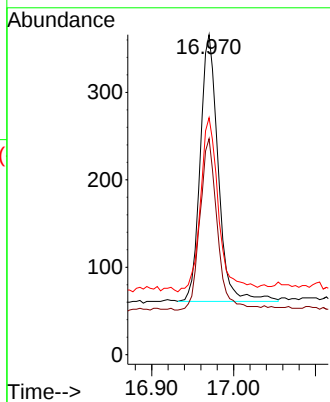
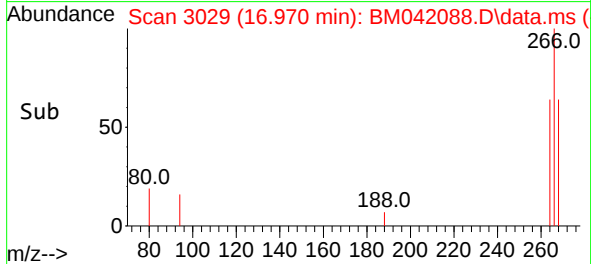
Instrument :
 BNA_M
 ClientSampleId :
 BBHQ4



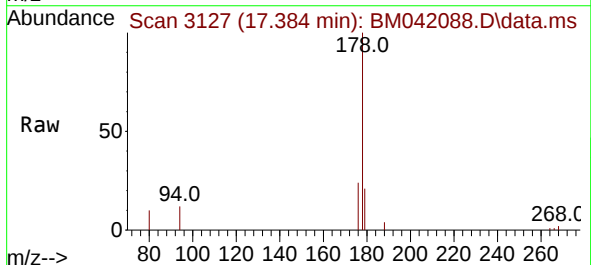
Tgt Ion:266 Resp: 465
 Ion Ratio Lower Upper
 266 100
 264 62.2 50.2 75.4
 268 66.2 51.0 76.4

Manual Integrations
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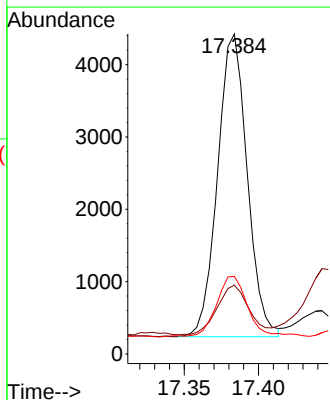
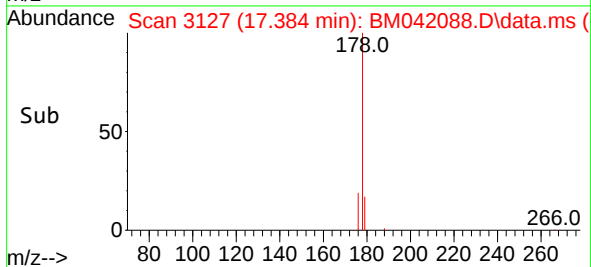
Reviewed By :Yogesh Patel 09/28/2023
 Supervised By :mohammad ahmed 09/28/2023

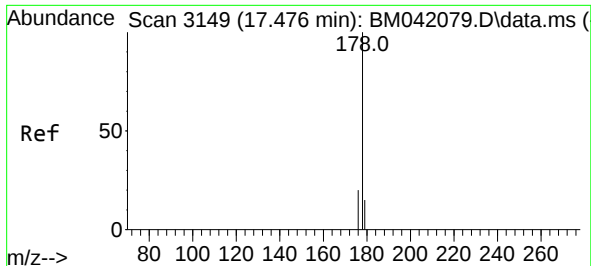


#15
 Phenanthrene
 Concen: 0.132 ng/ul
 RT: 17.384 min Scan# 3127
 Delta R.T. -0.012 min
 Lab File: BM042088.D
 Acq: 27 Sep 2023 17:00



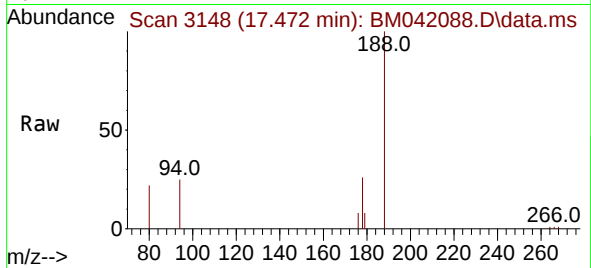
Tgt Ion:178 Resp: 5805
 Ion Ratio Lower Upper
 178 100
 179 21.5 12.7 19.1#
 176 24.2 16.6 24.8





#16
 Anthracene
 Concen: 0.046 ng/ul
 RT: 17.472 min Scan# 3148
 Delta R.T. -0.017 min
 Lab File: BM042088.D
 Acq: 27 Sep 2023 17:00

Instrument :
 BNA_M
 ClientSampleId :
 BBHQ4

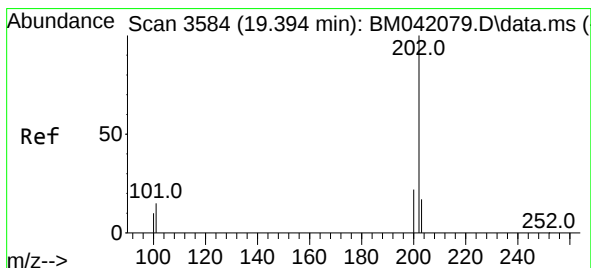
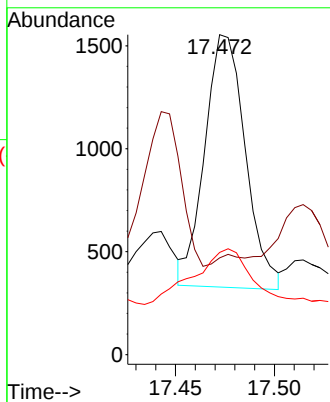
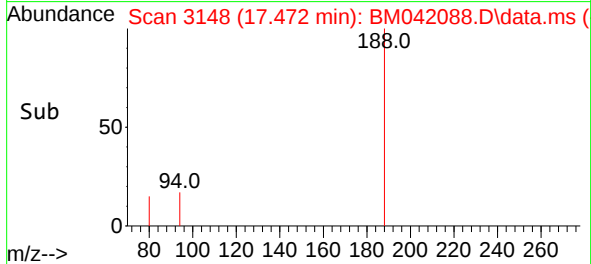


Tgt Ion:178 Resp: 1750

Ion	Ratio	Lower	Upper
178	100		
179	30.2	12.9	19.3
176	31.9	16.2	24.2

Manual Integrations
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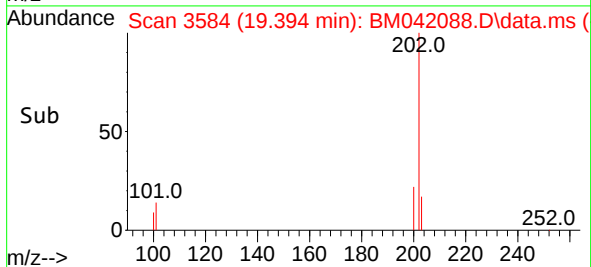
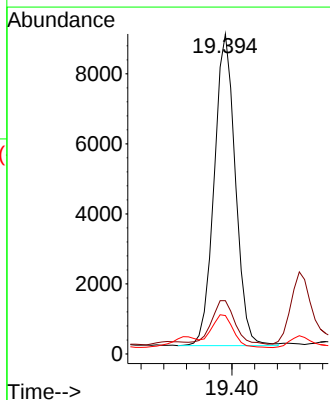
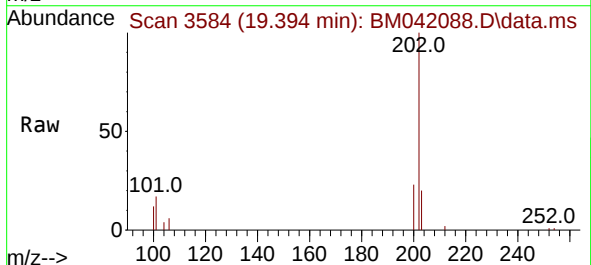
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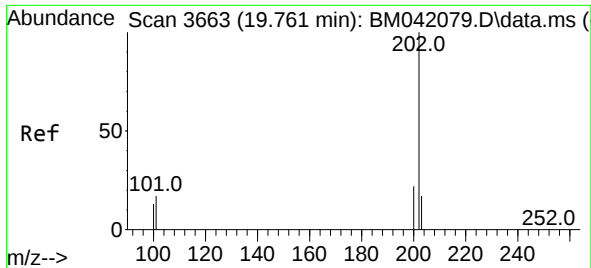


#19
 Fluoranthene
 Concen: 0.175 ng/ul
 RT: 19.394 min Scan# 3584
 Delta R.T. -0.009 min
 Lab File: BM042088.D
 Acq: 27 Sep 2023 17:00

Tgt Ion:202 Resp: 11501

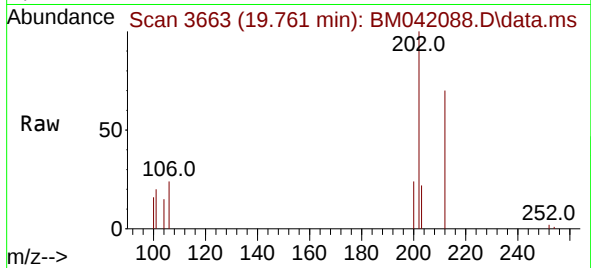
Ion	Ratio	Lower	Upper
202	100		
101	16.7	11.8	17.6
100	12.0	9.1	13.7





#20
Pyrene
Concen: 0.147 ng/ul
RT: 19.761 min Scan# 3663
Delta R.T. -0.009 min
Lab File: BM042088.D
Acq: 27 Sep 2023 17:00

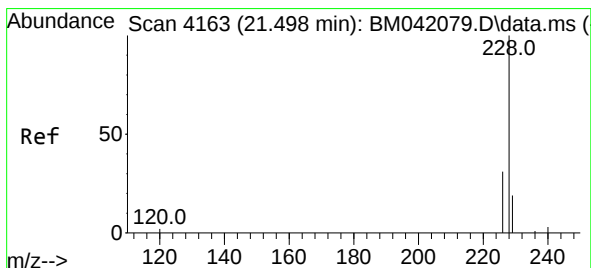
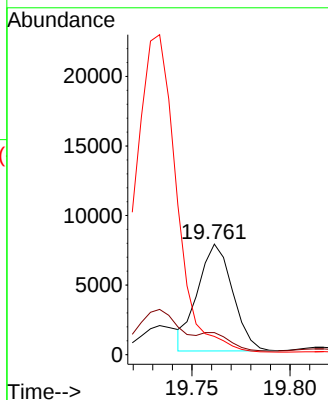
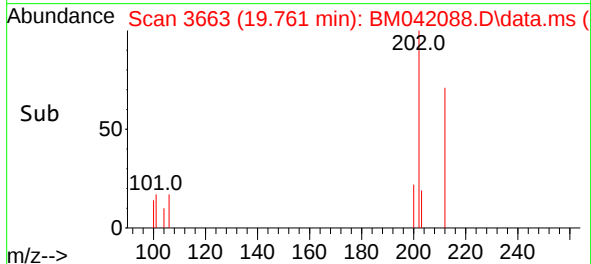
Instrument :
BNA_M
ClientSampleId :
BBHQ4



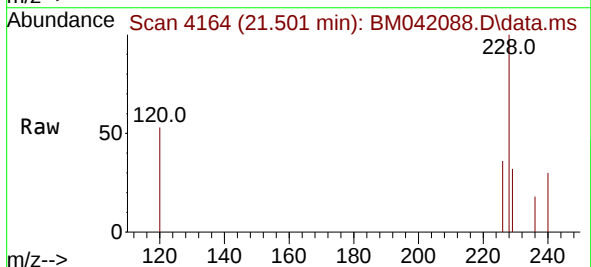
Tgt Ion:202 Resp: 952
Ion Ratio Lower Upper
202 100
101 19.9 14.1 21.1
100 16.4 11.4 17.0

Manual Integrations
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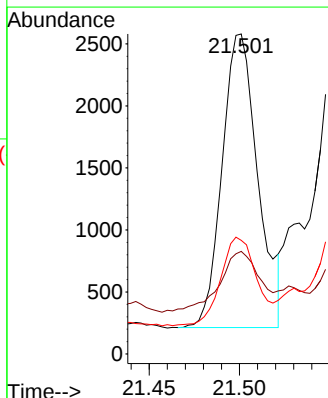
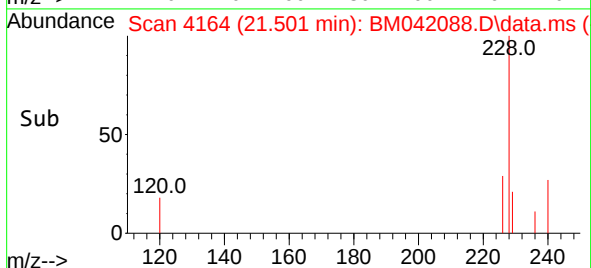
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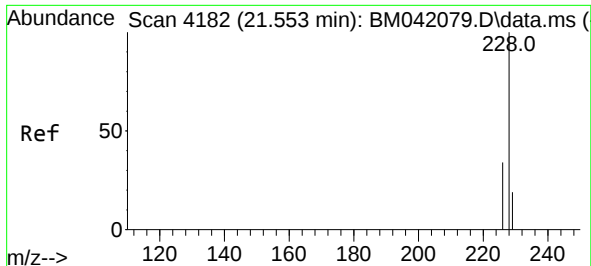


#21
Benzo(a)anthracene
Concen: 0.074 ng/ul
RT: 21.501 min Scan# 4164
Delta R.T. -0.006 min
Lab File: BM042088.D
Acq: 27 Sep 2023 17:00



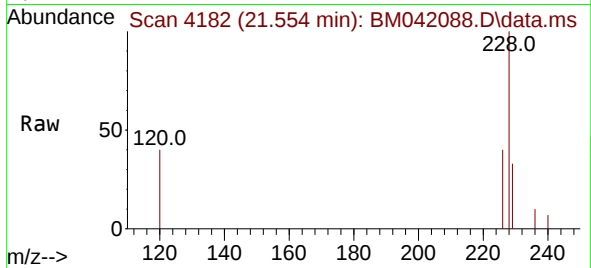
Tgt Ion:228 Resp: 3261
Ion Ratio Lower Upper
228 100
229 32.1 15.5 23.3#
226 35.5 24.8 37.2





#22
Chrysene
Concen: 0.082 ng/u1
RT: 21.554 min Scan# 4182
Delta R.T. -0.009 min
Lab File: BM042088.D
Acq: 27 Sep 2023 17:00

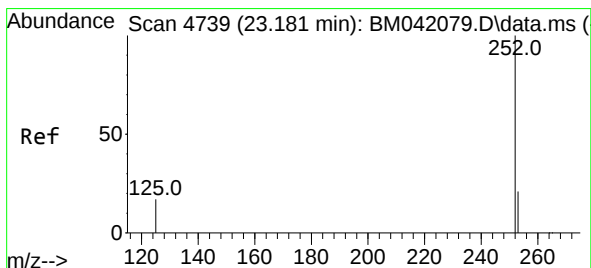
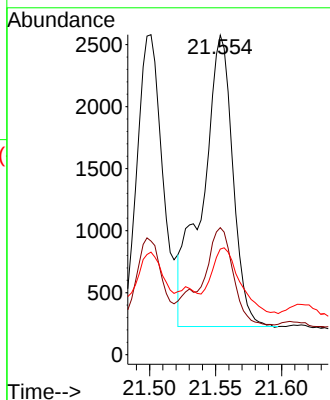
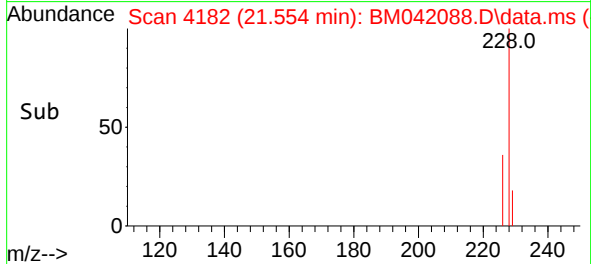
Instrument :
BNA_M
ClientSampleId :
BBHQ4



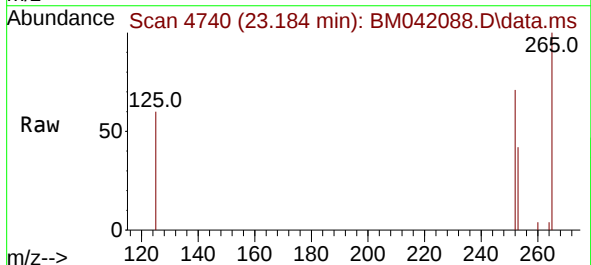
Tgt Ion:228 Resp: 375
Ion Ratio Lower Upper
228 100
226 39.8 27.8 41.6
229 33.1 15.6 23.4

Manual Integrations
APPROVED

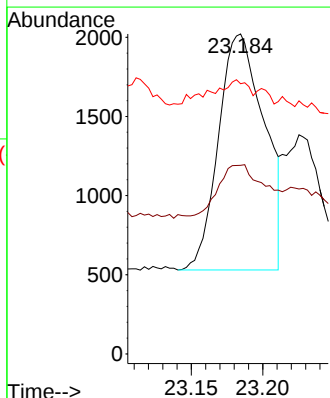
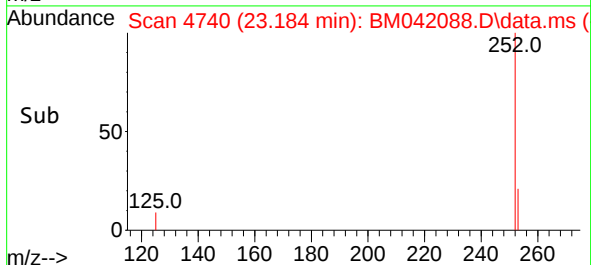
Reviewed By :Yogesh Patel 09/28/2023
Supervised By :mohammad ahmed 09/28/2023

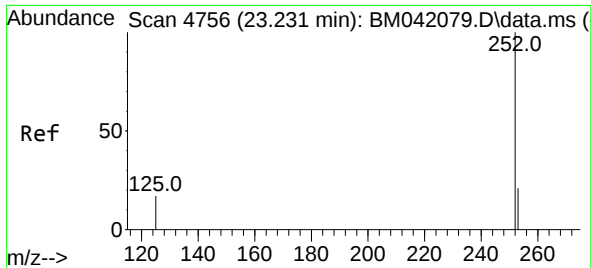


#24
Benzo(b)fluoranthene
Concen: 0.059 ng/u1
RT: 23.184 min Scan# 4740
Delta R.T. -0.006 min
Lab File: BM042088.D
Acq: 27 Sep 2023 17:00



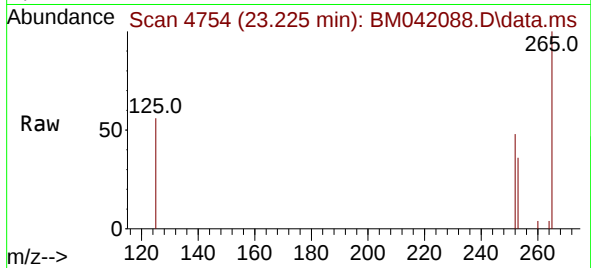
Tgt Ion:252 Resp: 3326
Ion Ratio Lower Upper
252 100
253 58.9 0.0 54.4#
125 84.5 0.0 46.2#





#25
Benzo(k)fluoranthene
Concen: 0.031 ng/ul m
RT: 23.225 min Scan# 4754
Delta R.T. -0.014 min
Lab File: BM042088.D
Acq: 27 Sep 2023 17:00

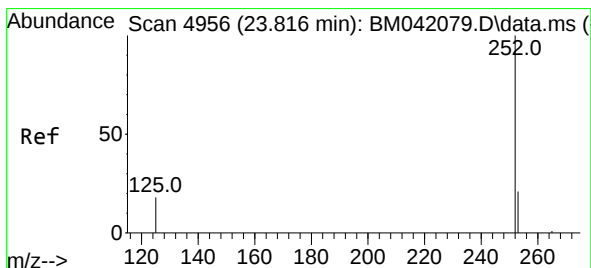
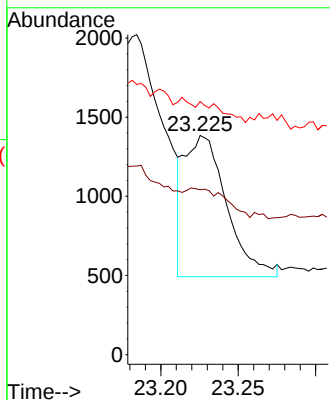
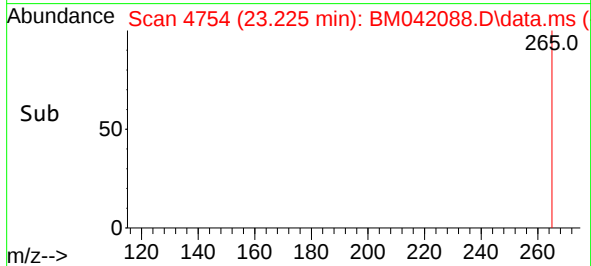
Instrument :
BNA_M
ClientSampleId :
BBHQ4



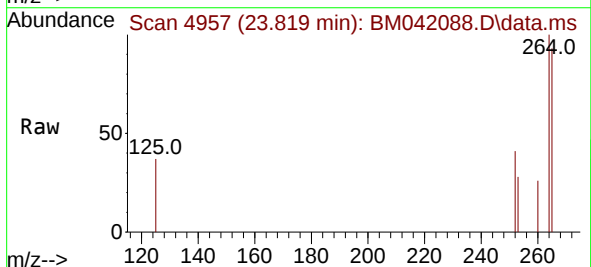
Tgt Ion:252 Resp: 1700
Ion Ratio Lower Upper
252 100
253 75.3 21.0 31.6
125 115.5 19.0 28.6

Manual Integrations
APPROVED

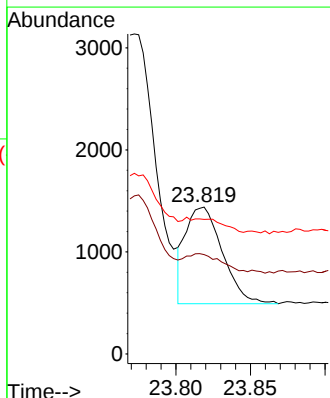
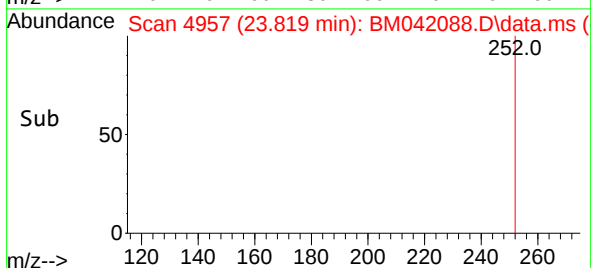
Reviewed By :Yogesh Patel 09/28/2023
Supervised By :mohammad ahmed 09/28/2023

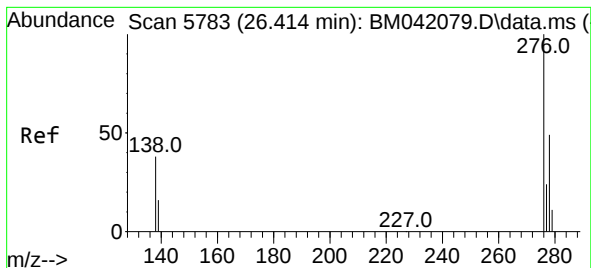


#26
Benzo(a)pyrene
Concen: 0.035 ng/ul
RT: 23.819 min Scan# 4957
Delta R.T. -0.009 min
Lab File: BM042088.D
Acq: 27 Sep 2023 17:00



Tgt Ion:252 Resp: 1628
Ion Ratio Lower Upper
252 100
253 67.6 23.2 34.8#
125 91.5 22.5 33.7#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.026 ng/ul

RT: 26.408 min Scan# 5783

Delta R.T. -0.023 min

Lab File: BM042088.D

Acq: 27 Sep 2023 17:00

Instrument :

BNA_M

ClientSampleId :

BBHQ4

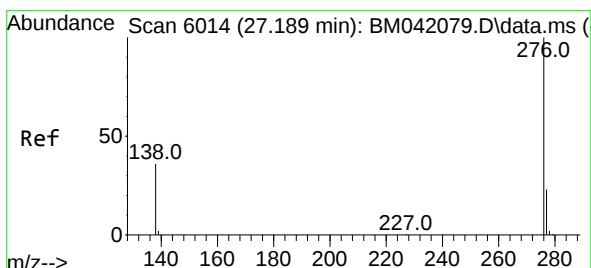
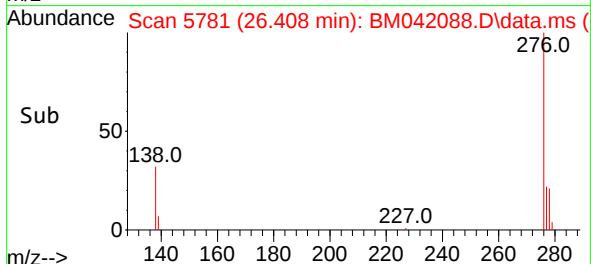
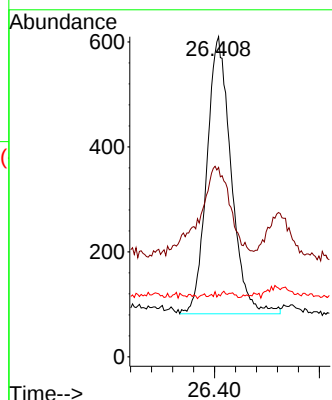
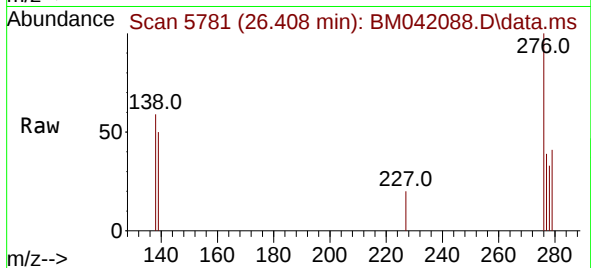
Tgt Ion:	276	Resp:	169
Ion Ratio	Lower	Upper	
276	100		
138	31.0	32.1	48.1
227	0.2	0.2	0.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/28/2023

Supervised By :mohammad ahmed 09/28/2023



#29

Benzo(g,h,i)perylene

Concen: 0.030 ng/ul

RT: 27.186 min Scan# 6013

Delta R.T. -0.023 min

Lab File: BM042088.D

Acq: 27 Sep 2023 17:00

Tgt Ion:	276	Resp:	1628
Ion Ratio	Lower	Upper	
276	100		
138	58.0	29.0	43.4#
277	40.9	19.6	29.4#

