

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
 Data File : BM043074.D
 Acq On : 28 Nov 2023 16:32
 Operator : MA/JU
 Sample : 05416-23
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AH6

Manual Integrations
 APPROVED

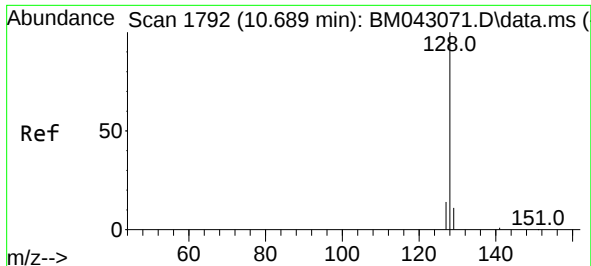
Reviewed By :Yogesh Patel 11/29/2023
 Supervised By :mohammad ahmed 11/29/2023

Quant Time: Nov 28 17:07:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 02:36:19 2023
 Response via : Initial Calibration

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

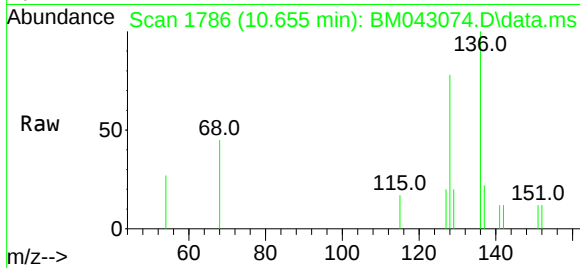
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.809	152	1209m	0.400	ng/ul	-0.07
4) Naphthalene-d8	10.605	136	4446	0.400	ng/ul	#-0.04
9) Acenaphthene-d10	14.450	164	2187m	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.208	188	4650	0.400	ng/ul	#-0.03
17) Chrysene-d12	21.400	240	3436	0.400	ng/ul	#-0.02
23) Perylene-d12	23.747	264	3266m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	2520	1.358	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.217	152	782	0.131	ng/ul	-0.03
18) Fluoranthene-d10	19.238	212	1935	0.155	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.655	128	704	0.058	ng/ul#	90
7) 2-Methylnaphthalene	12.288	142	659	0.092	ng/ul	98
8) 1-Methylnaphthalene	12.503	142	451	0.057	ng/ul	94
10) Acenaphthylene	14.177	152	616	0.055	ng/ul#	79
11) Acenaphthene	14.515	153	7010	0.829	ng/ul	95
12) Fluorene	15.505	166	7491	0.863	ng/ul	98
15) Phenanthrene	17.250	178	13580	1.023	ng/ul	92
16) Anthracene	17.343	178	2943	0.234	ng/ul	94
19) Fluoranthene	19.266	202	30412	1.561	ng/ul#	93
20) Pyrene	19.633	202	26888	1.298	ng/ul#	92
21) Benzo(a)anthracene	21.386	228	10236	0.918	ng/ul	95
22) Chrysene	21.438	228	9853	0.475	ng/ul	98
24) Benzo(b)fluoranthene	23.025	252	11812	1.072	ng/ul	87
25) Benzo(k)fluoranthene	23.069	252	5525m	0.364	ng/ul	
26) Benzo(a)pyrene	23.639	252	7820	0.650	ng/ul#	77
27) Indeno(1,2,3-cd)pyrene	26.202	276	5821	0.358	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.205	278	1179	0.094	ng/ul#	82
29) Benzo(g,h,i)perylene	26.967	276	5429	0.343	ng/ul	97

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



#5
Naphthalene
Concen: 0.058 ng/ul
RT: 10.655 min Scan# 1786
Delta R.T. -0.044 min
Lab File: BM043074.D
Acq: 28 Nov 2023 16:32

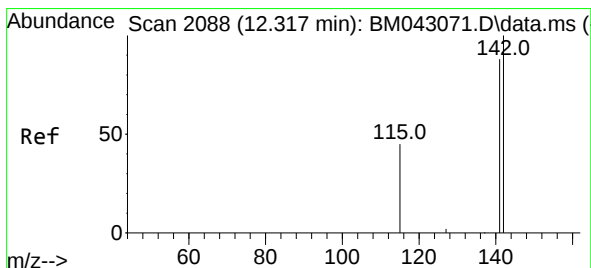
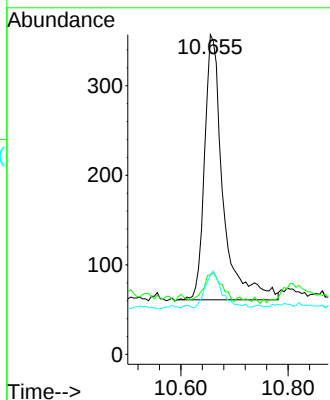
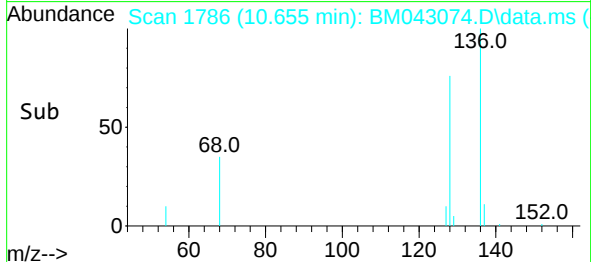
Instrument :
BNA_M
ClientSampleId :
C0AH6



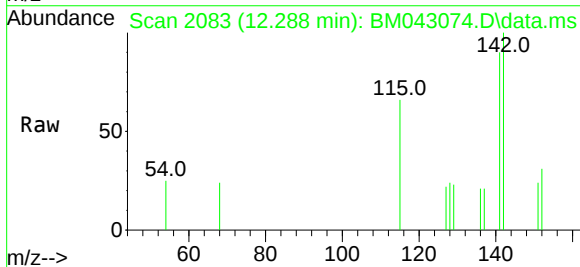
Tgt Ion:128 Resp: 704
Ion Ratio Lower Upper
128 100
129 24.9 16.0 24.0
127 24.9 16.5 24.7

Manual Integrations
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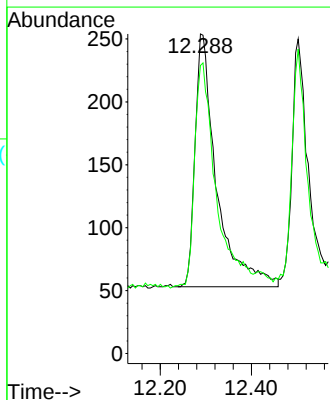
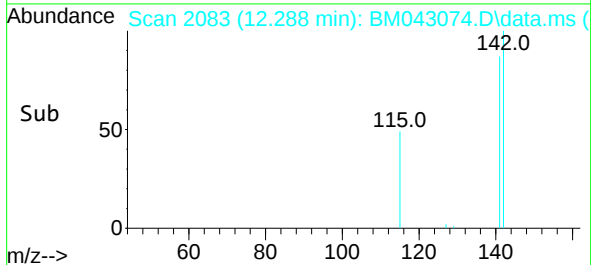
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023

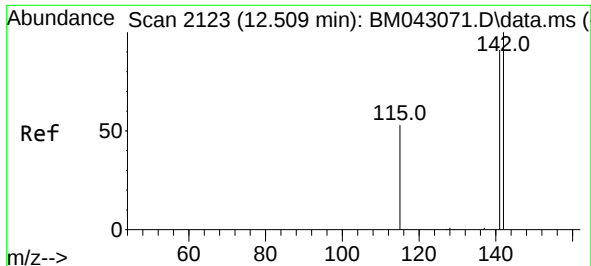


#7
2-Methylnaphthalene
Concen: 0.092 ng/ul
RT: 12.288 min Scan# 2083
Delta R.T. -0.044 min
Lab File: BM043074.D
Acq: 28 Nov 2023 16:32



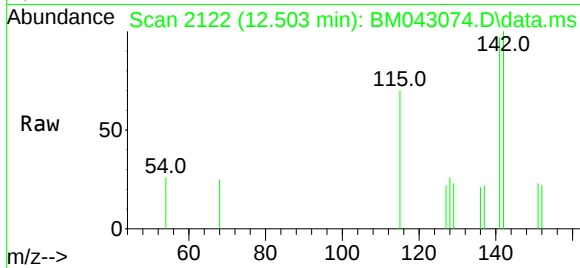
Tgt Ion:142 Resp: 659
Ion Ratio Lower Upper
142 100
141 93.0 76.1 114.1





#8
1-Methylnaphthalene
Concen: 0.057 ng/u1
RT: 12.503 min Scan# 2123
Delta R.T. -0.016 min
Lab File: BM043074.D
Acq: 28 Nov 2023 16:32

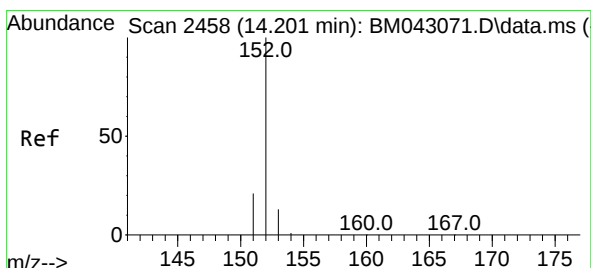
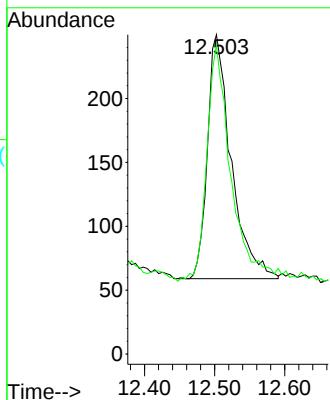
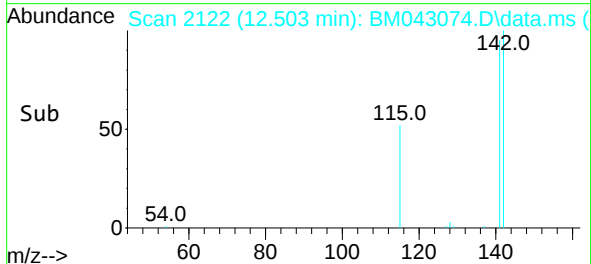
Instrument :
BNA_M
ClientSampleId :
C0AH6



Tgt Ion:142 Resp: 45
Ion Ratio Lower Upper
142 100
141 98.0 73.8 110.8

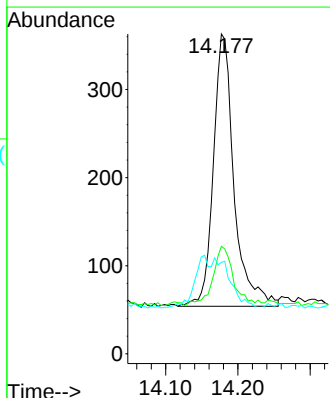
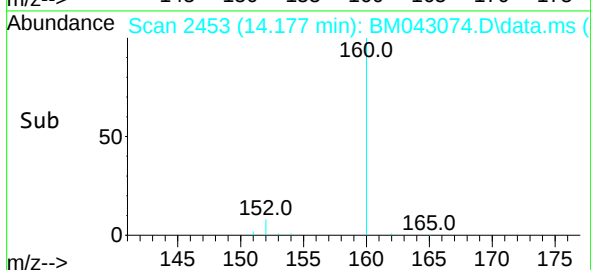
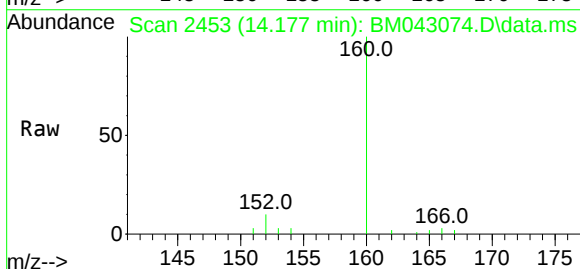
Manual Integrations
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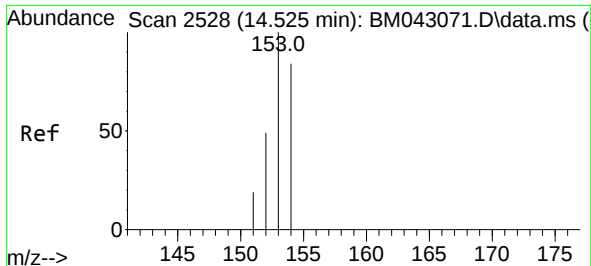
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



#10
Acenaphthylene
Concen: 0.055 ng/u1
RT: 14.177 min Scan# 2453
Delta R.T. -0.027 min
Lab File: BM043074.D
Acq: 28 Nov 2023 16:32

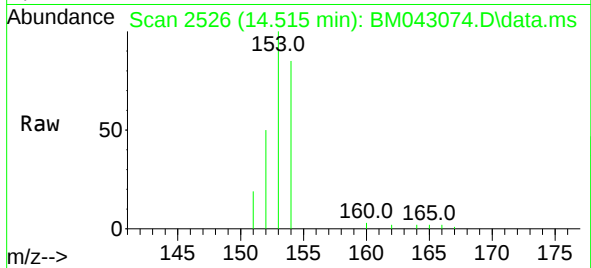
Tgt Ion:152 Resp: 616
Ion Ratio Lower Upper
152 100
151 33.6 19.4 29.0#
153 28.7 14.6 21.8#





#11
Acenaphthene
Concen: 0.829 ng/ul
RT: 14.515 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM043074.D
Acq: 28 Nov 2023 16:32

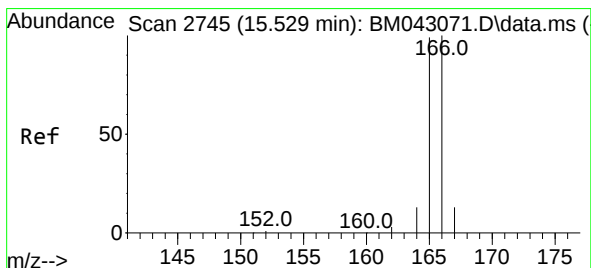
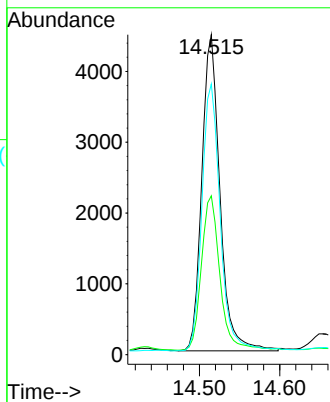
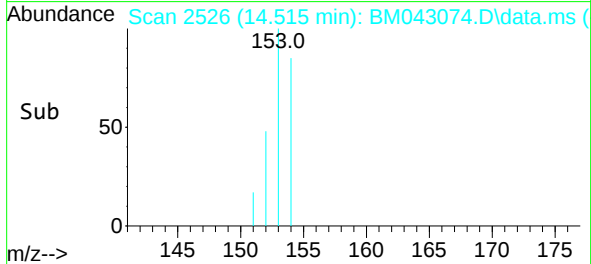
Instrument :
BNA_M
ClientSampleId :
C0AH6



Tgt Ion:153 Resp: 7010
Ion Ratio Lower Upper
153 100
152 49.7 43.9 65.9
154 84.6 70.6 105.8

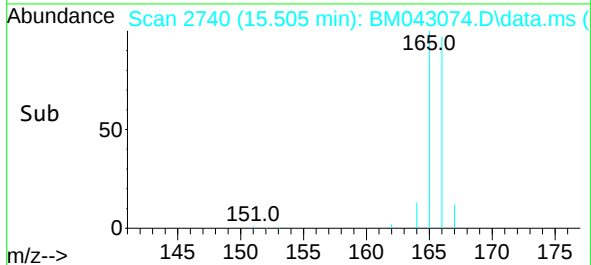
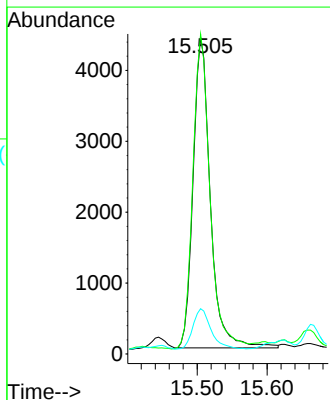
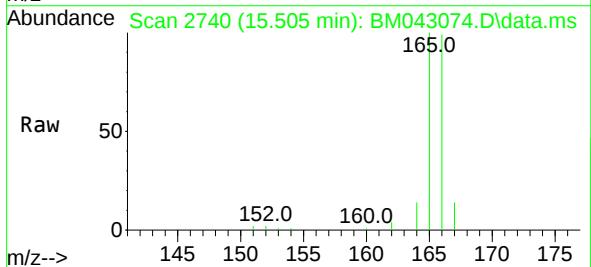
Manual Integrations
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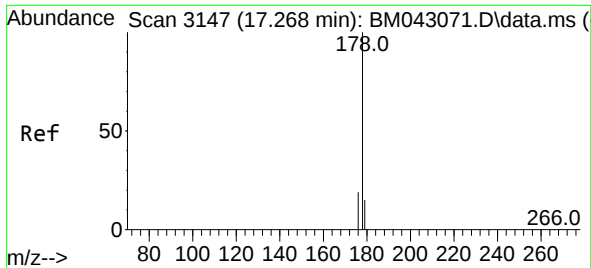
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



#12
Fluorene
Concen: 0.863 ng/ul
RT: 15.505 min Scan# 2740
Delta R.T. -0.032 min
Lab File: BM043074.D
Acq: 28 Nov 2023 16:32

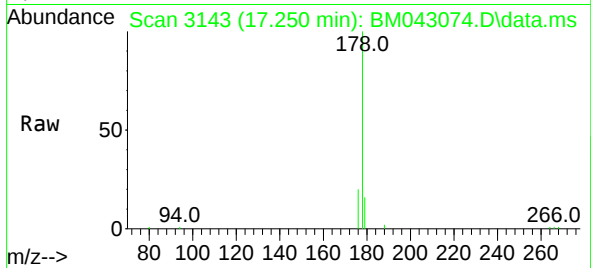
Tgt Ion:166 Resp: 7491
Ion Ratio Lower Upper
166 100
165 101.1 79.9 119.9
167 14.3 14.2 21.4





#15
Phenanthrene
Concen: 1.023 ng/u1
RT: 17.250 min Scan# 3143
Delta R.T. -0.029 min
Lab File: BM043074.D
Acq: 28 Nov 2023 16:32

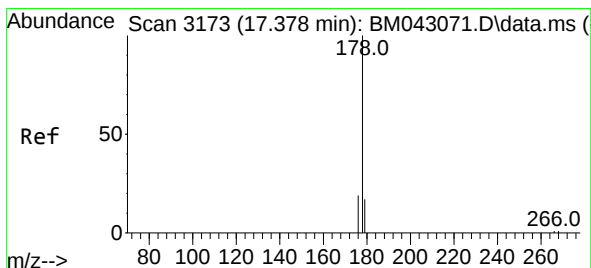
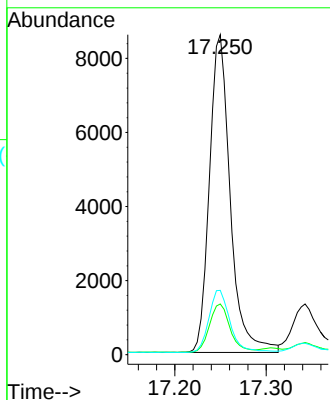
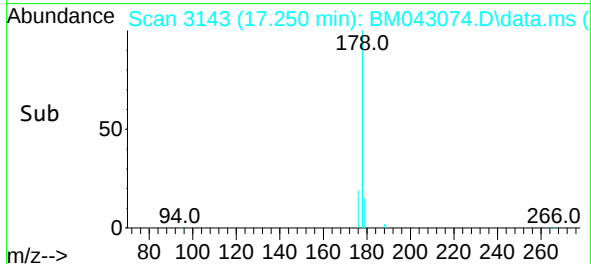
Instrument :
BNA_M
ClientSampleId :
C0AH6



Tgt Ion:178 Resp: 13580
Ion Ratio Lower Upper
178 100
179 15.8 15.7 23.5
176 20.1 18.9 28.3

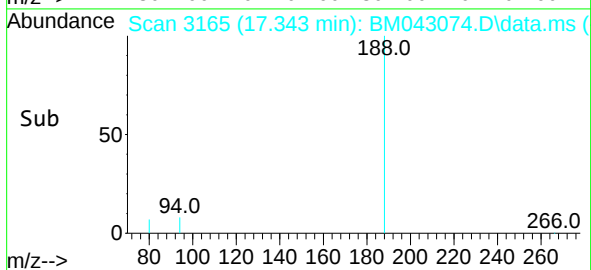
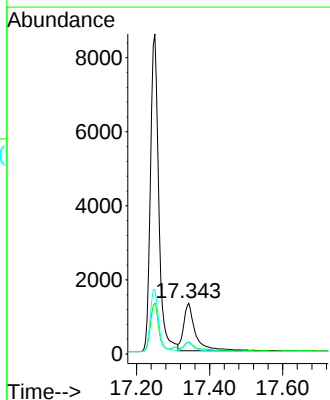
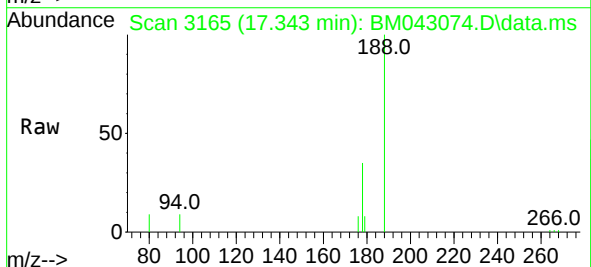
Manual Integrations
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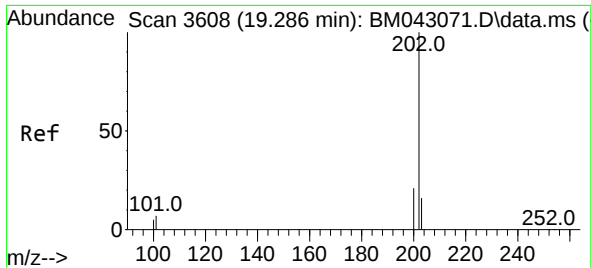
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



#16
Anthracene
Concen: 0.234 ng/u1
RT: 17.343 min Scan# 3165
Delta R.T. -0.050 min
Lab File: BM043074.D
Acq: 28 Nov 2023 16:32

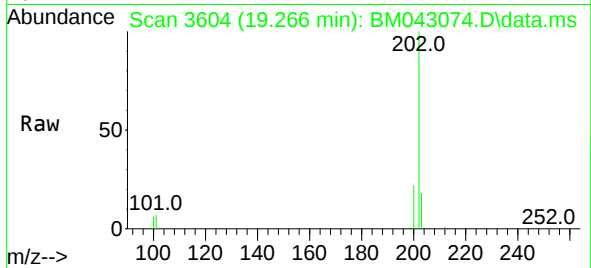
Tgt Ion:178 Resp: 2943
Ion Ratio Lower Upper
178 100
179 23.9 17.3 25.9
176 22.5 20.5 30.7





#19
Fluoranthene
Concen: 1.561 ng/u1
RT: 19.266 min Scan# 3041
Delta R.T. -0.028 min
Lab File: BM043074.D
Acq: 28 Nov 2023 16:32

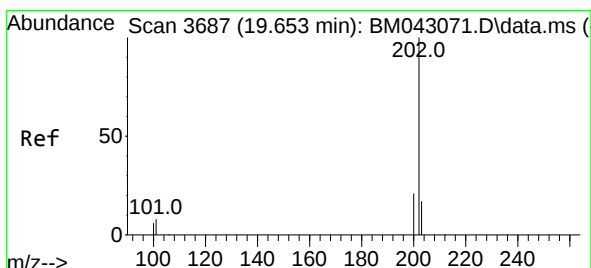
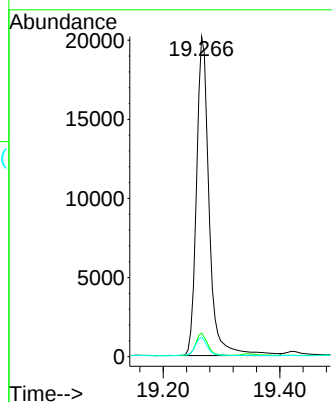
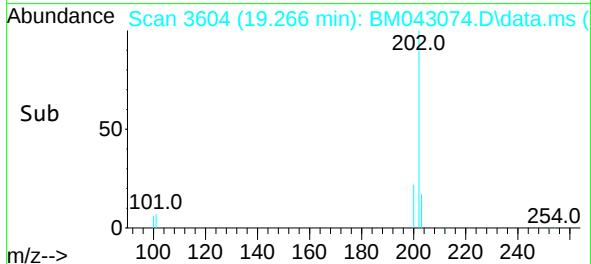
Instrument :
BNA_M
ClientSampleId :
C0AH6



Tgt Ion:202 Resp: 3041
Ion Ratio Lower Upper
202 100
101 7.3 7.8 11.8
100 6.1 7.1 10.7

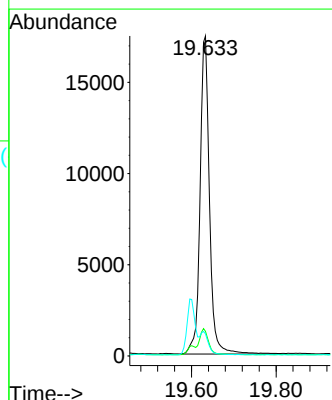
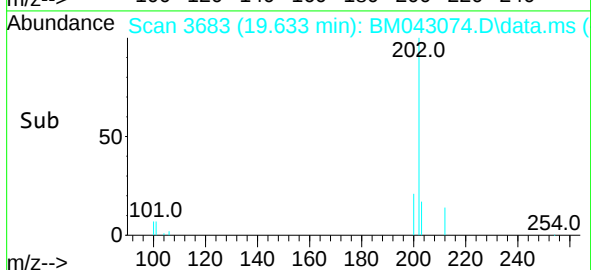
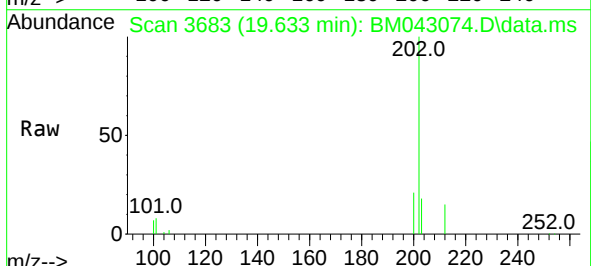
Manual Integrations
APPROVED

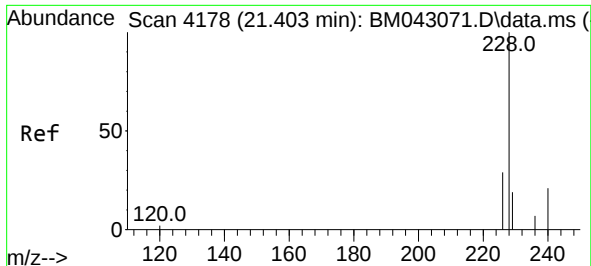
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



#20
Pyrene
Concen: 1.298 ng/u1
RT: 19.633 min Scan# 3683
Delta R.T. -0.028 min
Lab File: BM043074.D
Acq: 28 Nov 2023 16:32

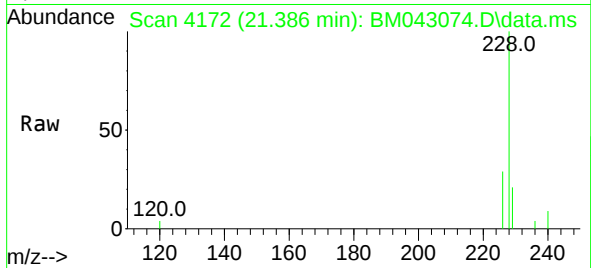
Tgt Ion:202 Resp: 26888
Ion Ratio Lower Upper
202 100
101 7.7 8.7 13.1#
100 6.9 7.8 11.8#





#21
Benzo(a)anthracene
Concen: 0.918 ng/ul
RT: 21.386 min Scan# 4178
Delta R.T. -0.026 min
Lab File: BM043074.D
Acq: 28 Nov 2023 16:32

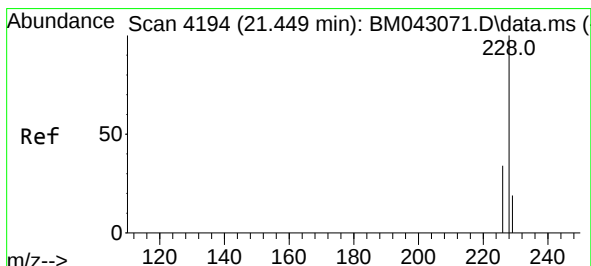
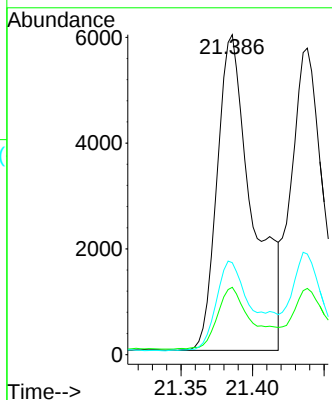
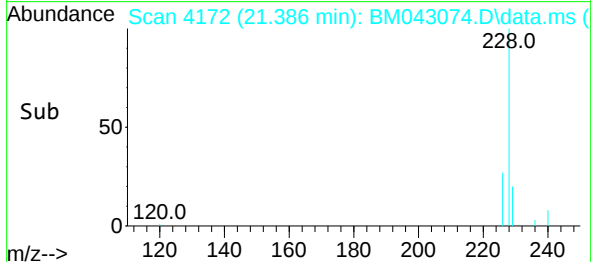
Instrument :
BNA_M
ClientSampleId :
C0AH6



Tgt Ion:228 Resp: 10230
Ion Ratio Lower Upper
228 100
229 21.1 19.4 29.0
226 28.8 24.9 37.3

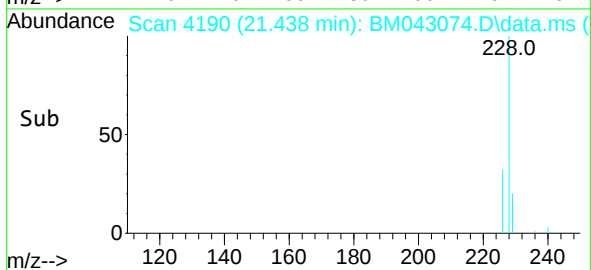
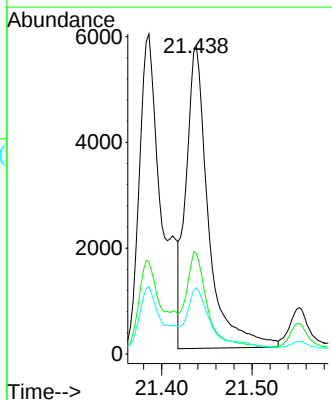
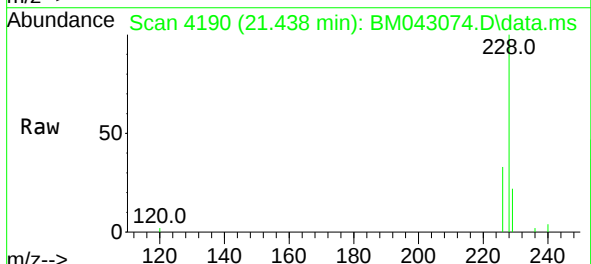
Manual Integrations
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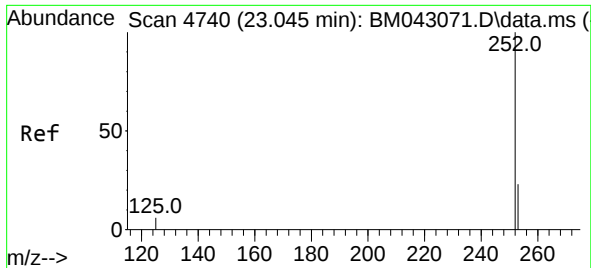
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



#22
Chrysene
Concen: 0.475 ng/ul
RT: 21.438 min Scan# 4190
Delta R.T. -0.020 min
Lab File: BM043074.D
Acq: 28 Nov 2023 16:32

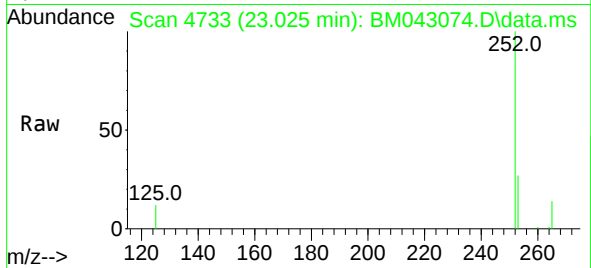
Tgt Ion:228 Resp: 9853
Ion Ratio Lower Upper
228 100
226 32.8 27.2 40.8
229 21.6 18.0 27.0





#24
Benzo(b)fluoranthene
Concen: 1.072 ng/ul
RT: 23.025 min Scan# 4733
Delta R.T. -0.026 min
Lab File: BM043074.D
Acq: 28 Nov 2023 16:32

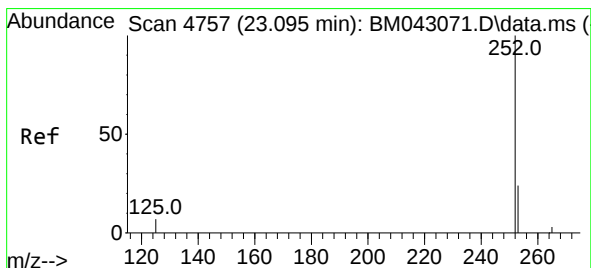
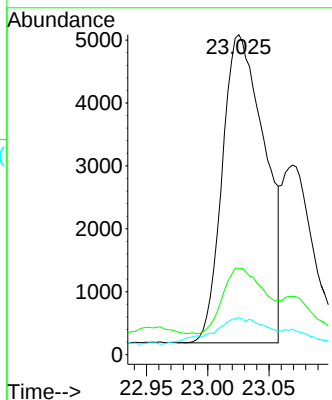
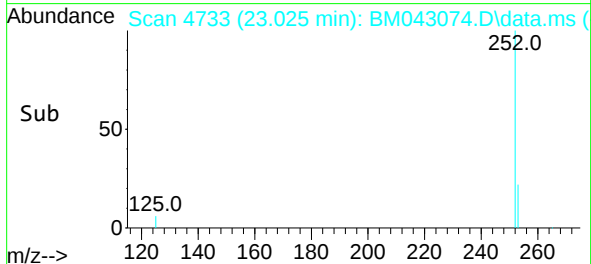
Instrument :
BNA_M
ClientSampleId :
C0AH6



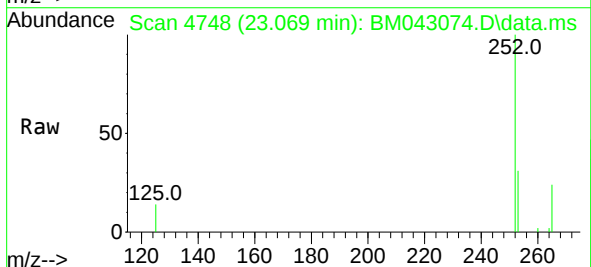
Tgt Ion:252 Resp: 1181
Ion Ratio Lower Upper
252 100
253 27.0 0.0 71.8
125 11.5 0.0 29.0

Manual Integrations
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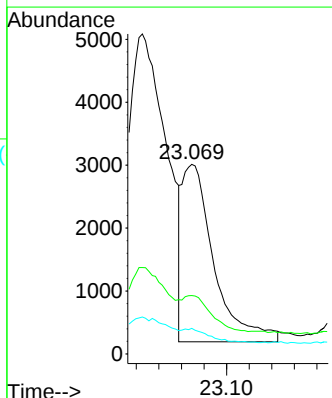
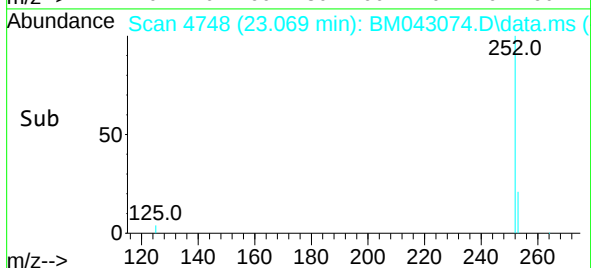
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023

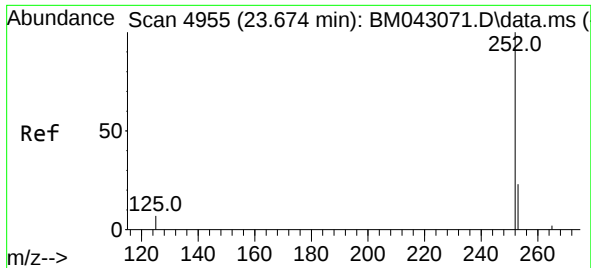


#25
Benzo(k)fluoranthene
Concen: 0.364 ng/ul m
RT: 23.069 min Scan# 4748
Delta R.T. -0.029 min
Lab File: BM043074.D
Acq: 28 Nov 2023 16:32



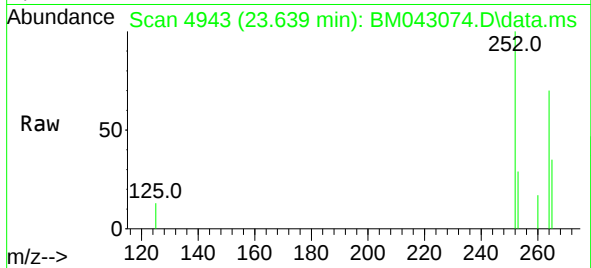
Tgt Ion:252 Resp: 5525
Ion Ratio Lower Upper
252 100
253 30.8 28.2 42.2
125 13.5 11.0 16.6





#26
Benzo(a)pyrene
Concen: 0.650 ng/ul
RT: 23.639 min Scan# 4955
Delta R.T. -0.047 min
Lab File: BM043074.D
Acq: 28 Nov 2023 16:32

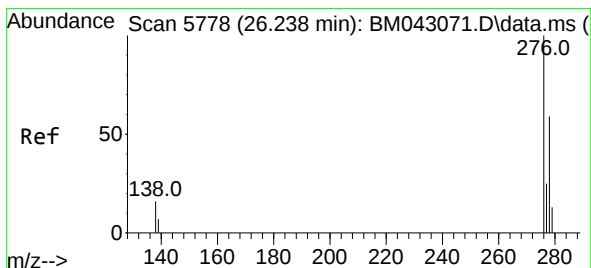
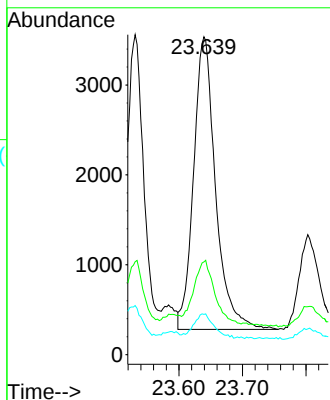
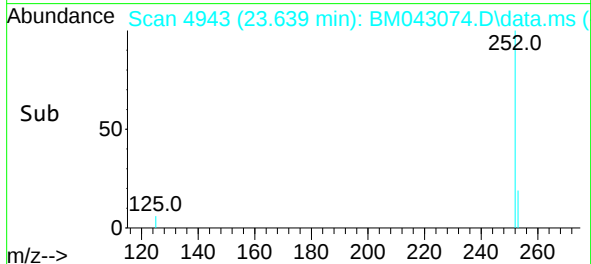
Instrument :
BNA_M
ClientSampleId :
C0AH6



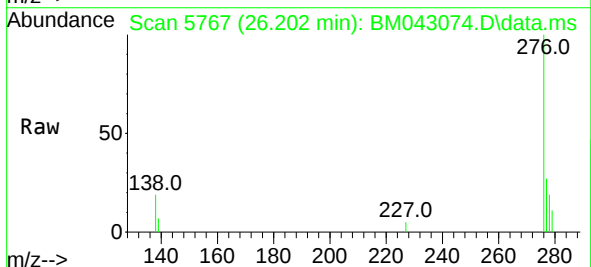
Tgt Ion:252 Resp: 7820
Ion Ratio Lower Upper
252 100
253 29.2 36.6 55.0#
125 12.7 16.2 24.4#

Manual Integrations
APPROVED

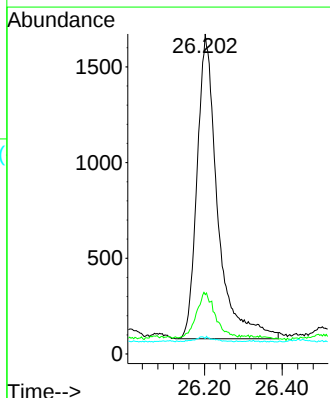
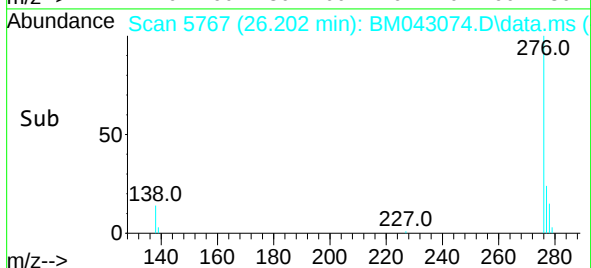
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023

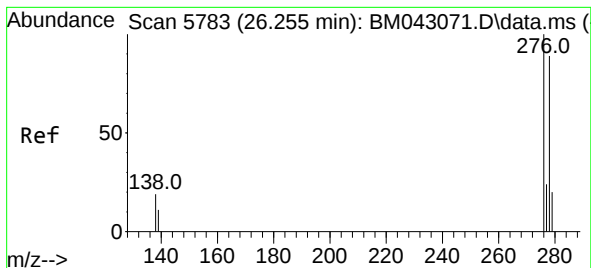


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.358 ng/ul
RT: 26.202 min Scan# 5767
Delta R.T. -0.037 min
Lab File: BM043074.D
Acq: 28 Nov 2023 16:32



Tgt Ion:276 Resp: 5821
Ion Ratio Lower Upper
276 100
138 13.5 0.0 0.0#
227 0.7 0.2 0.2#





#28

Dibenzo(a,h)anthracene

Concen: 0.094 ng/ul

RT: 26.205 min Scan# 51

Delta R.T. -0.070 min

Lab File: BM043074.D

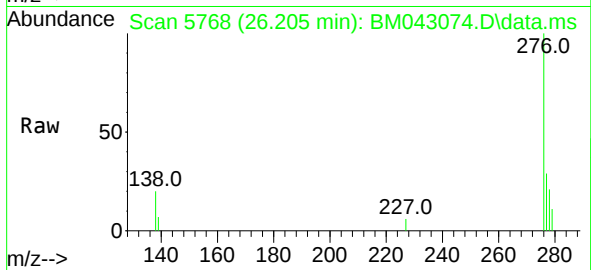
Acq: 28 Nov 2023 16:32

Instrument :

BNM

ClientSampleId :

C0AH6



Tgt Ion:278 Resp: 1179

Ion Ratio Lower Upper

278 100

139 34.3 18.1 27.1

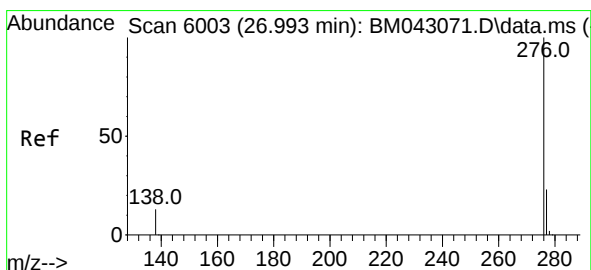
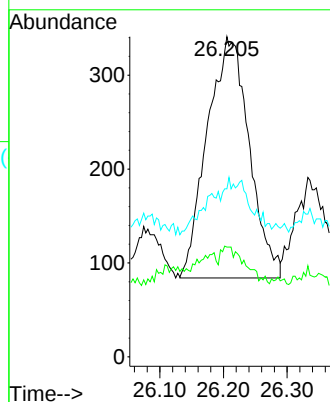
279 52.5 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2023

Supervised By :mohammad ahmed 11/29/2023



#29

Benzo(g,h,i)perylene

Concen: 0.343 ng/ul

RT: 26.967 min Scan# 5995

Delta R.T. -0.043 min

Lab File: BM043074.D

Acq: 28 Nov 2023 16:32

Tgt Ion:276 Resp: 5429

Ion Ratio Lower Upper

276 100

138 19.7 17.8 26.8

277 28.7 23.8 35.8

