

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042724\
 Data File : BM045612.D
 Acq On : 27 Apr 2024 14:43
 Operator : MA/JU
 Sample : P2203-19DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E1CY7DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 04/29/2024
 Supervised By :mohammad ahmed 04/30/2024

Quant Time: Apr 28 22:54:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 26 23:51:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.542	152	992	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.308	136	2668	0.400	ng/ul	#-0.02
9) Acenaphthene-d10	14.191	164	1329	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.959	188	2559	0.400	ng/ul	-0.02
17) Chrysene-d12	21.175	240	2136	0.400	ng/ul	#-0.02
23) Perylene-d12	23.362	264	3031m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.163	96	1309	0.984	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.920	152	229	0.065	ng/ul	-0.01
18) Fluoranthene-d10	18.996	212	378	0.056	ng/ul	-0.02
Target Compounds					Qvalue	
5) Naphthalene	10.358	128	3444	0.481	ng/ul#	92
7) 2-Methylnaphthalene	11.991	142	1826	0.446	ng/ul	97
8) 1-Methylnaphthalene	12.211	142	996	0.217	ng/ul	100
10) Acenaphthylene	13.909	152	1601	0.244	ng/ul#	91
11) Acenaphthene	14.256	153	175	0.036	ng/ul#	91
12) Fluorene	15.255	166	776	0.149	ng/ul#	89
15) Phenanthrene	16.997	178	9761	1.310	ng/ul	95
16) Anthracene	17.089	178	1843	0.264	ng/ul#	92
19) Fluoranthene	19.029	202	14899	1.511	ng/ul#	90
20) Pyrene	19.391	202	14256	1.407	ng/ul#	94
21) Benzo(a)anthracene	21.158	228	7321	1.072	ng/ul	99
22) Chrysene	21.211	228	8657	0.825	ng/ul	98
24) Benzo(b)fluoranthene	22.710	252	16410	1.609	ng/ul	89
25) Benzo(k)fluoranthene	22.748	252	4356m	0.338	ng/ul	
26) Benzo(a)pyrene	23.262	252	9837	0.930	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	25.538	276	10061	0.655	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.541	278	2637	0.216	ng/ul#	58
29) Benzo(g,h,i)perylene	26.205	276	11118	0.805	ng/ul	99

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

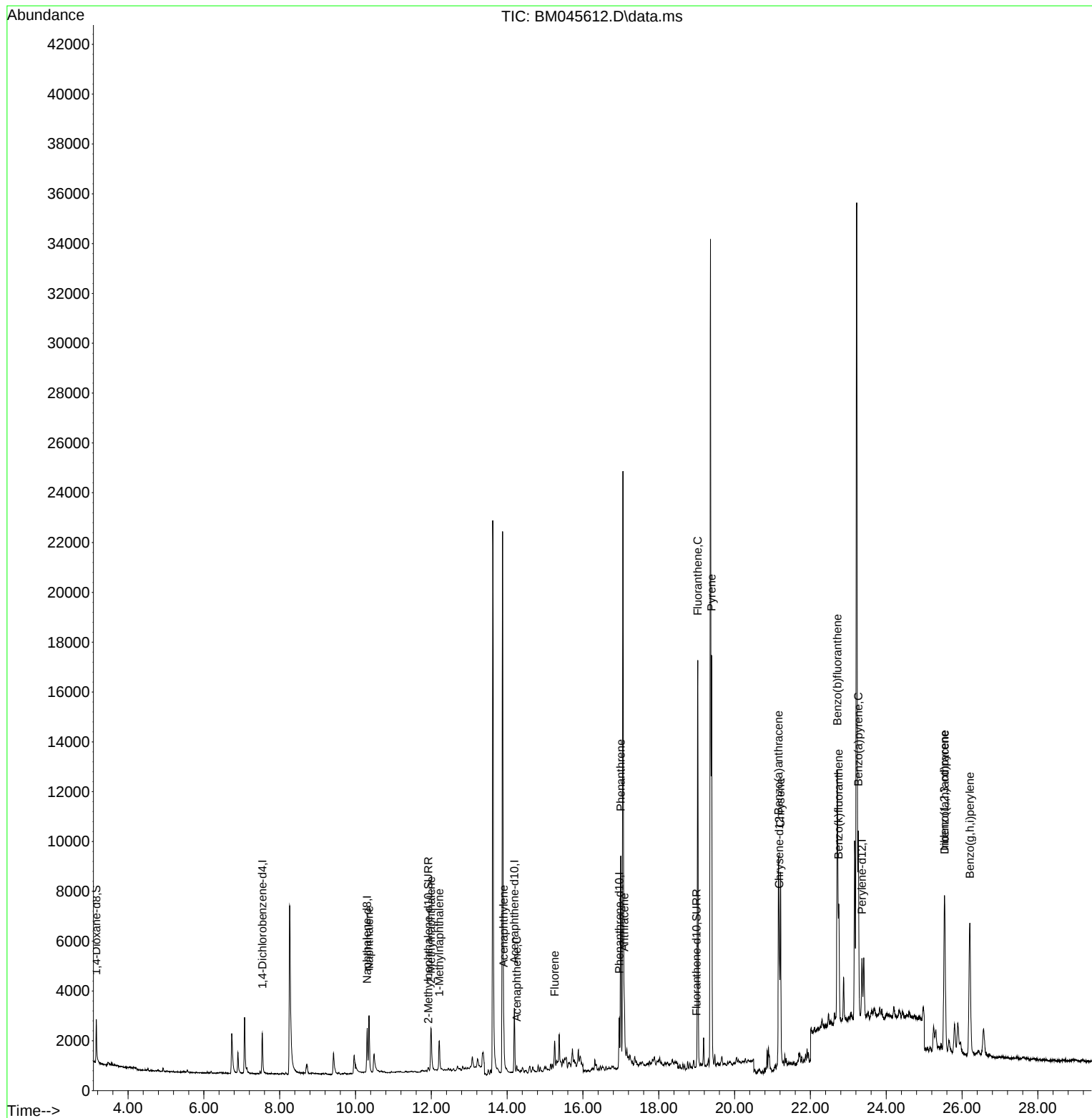
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042724\
Data File : BM045612.D
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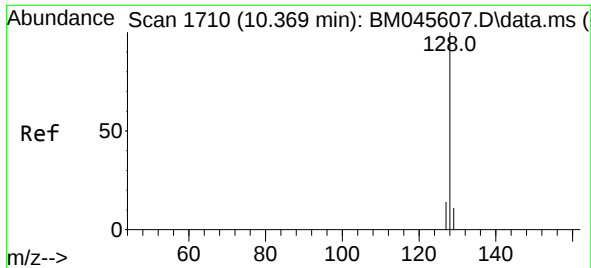
Instrument :
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ClientSampleId :
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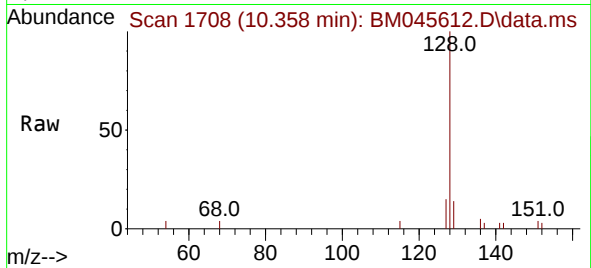
Quant Time: Apr 28 22:54:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 26 23:51:18 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.481 ng/ul
RT: 10.358 min Scan# 1710
Delta R.T. -0.022 min
Lab File: BM045612.D
Acq: 27 Apr 2024 14:43

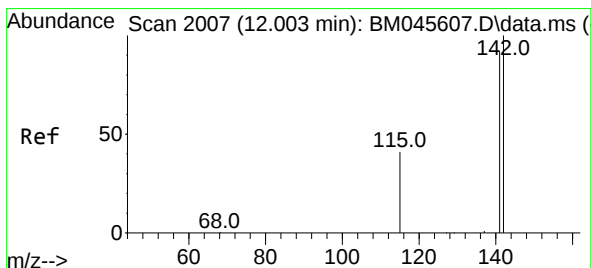
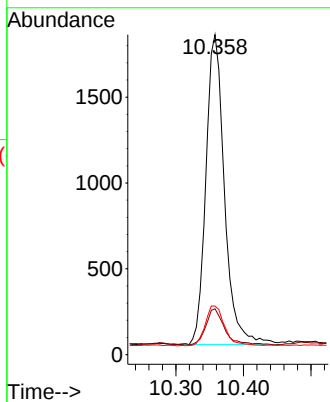
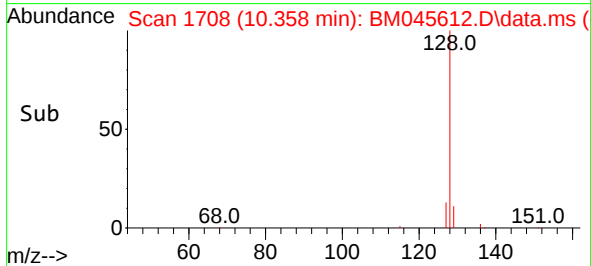
Instrument :
BNA_M
ClientSampleId :
E1CY7DL



Tgt Ion:128 Resp: 344
Ion Ratio Lower Upper
128 100
129 14.3 14.0 21.0
127 15.2 15.4 23.2

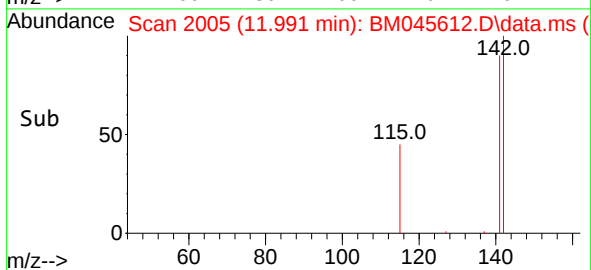
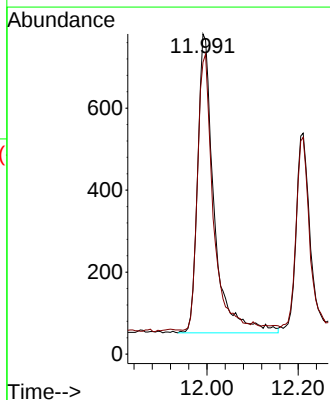
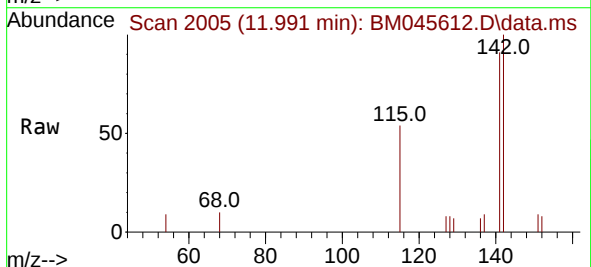
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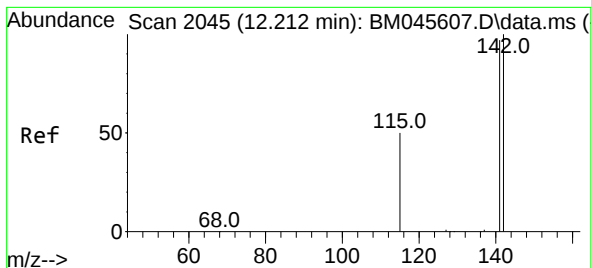
Reviewed By :Jagrut Upadhyay 04/29/2024
Supervised By :mohammad ahmed 04/30/2024



#7
2-Methylnaphthalene
Concen: 0.446 ng/ul
RT: 11.991 min Scan# 2005
Delta R.T. -0.017 min
Lab File: BM045612.D
Acq: 27 Apr 2024 14:43

Tgt Ion:142 Resp: 1826
Ion Ratio Lower Upper
142 100
141 90.1 74.6 111.8





#8

1-Methylnaphthalene

Concen: 0.217 ng/ul

RT: 12.211 min Scan# 2045

Delta R.T. -0.011 min

Lab File: BM045612.D

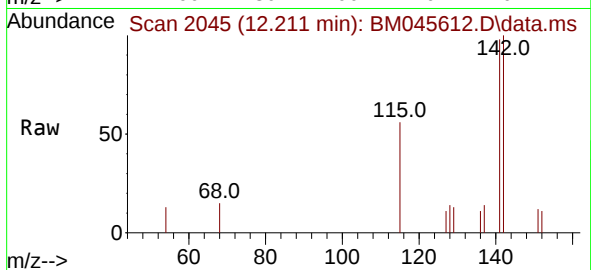
Acq: 27 Apr 2024 14:43

Instrument :

BNA_M

ClientSampleId :

E1CY7DL



Tgt Ion:142 Resp: 990

Ion Ratio Lower Upper

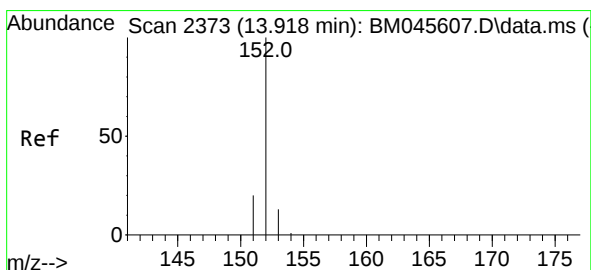
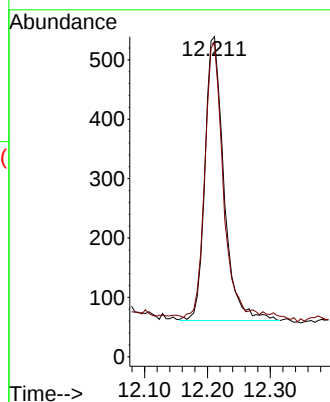
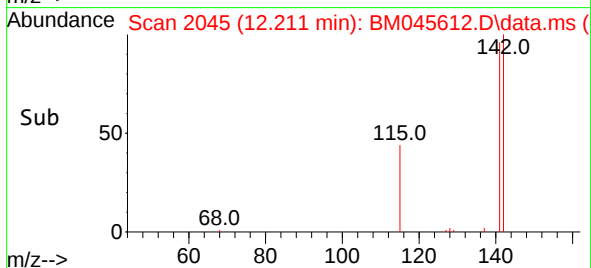
142 100

141 94.9 76.1 114.1

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#10

Acenaphthylene

Concen: 0.244 ng/ul

RT: 13.909 min Scan# 2371

Delta R.T. -0.019 min

Lab File: BM045612.D

Acq: 27 Apr 2024 14:43

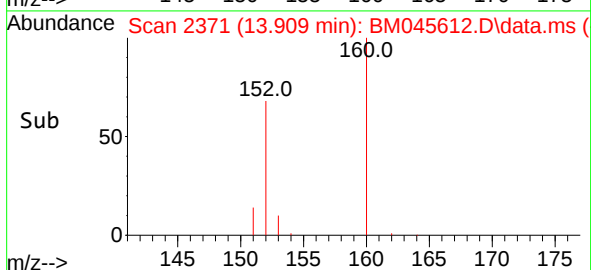
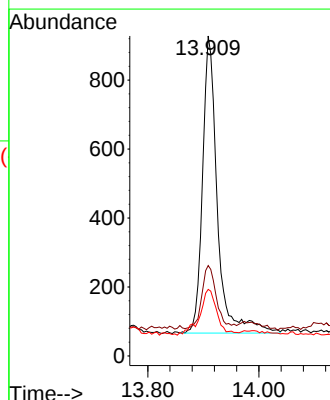
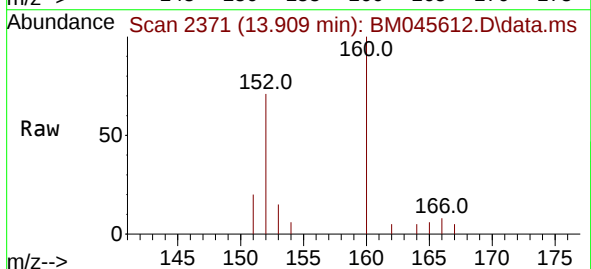
Tgt Ion:152 Resp: 1601

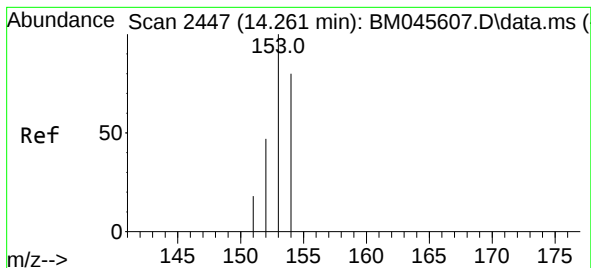
Ion Ratio Lower Upper

152 100

151 28.2 18.6 28.0#

153 20.8 14.1 21.1





#11

Acenaphthene

Concen: 0.036 ng/u1

RT: 14.256 min Scan# 2446

Delta R.T. -0.014 min

Lab File: BM045612.D

Acq: 27 Apr 2024 14:43

Instrument :

BNA_M

ClientSampleId :

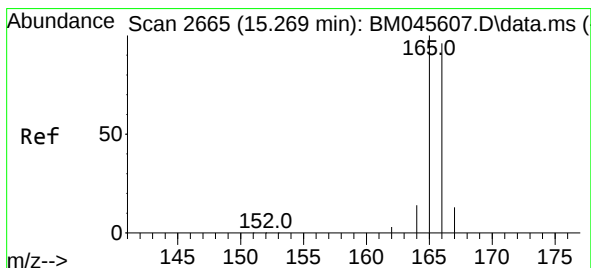
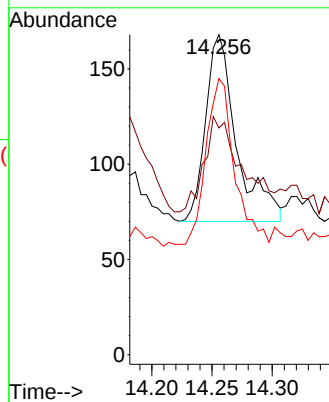
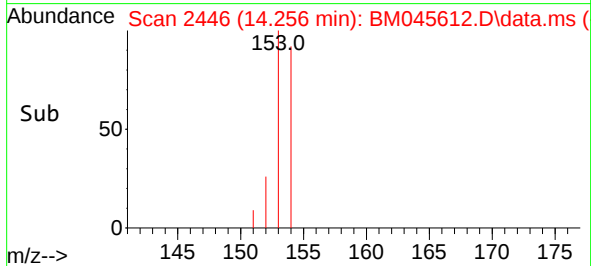
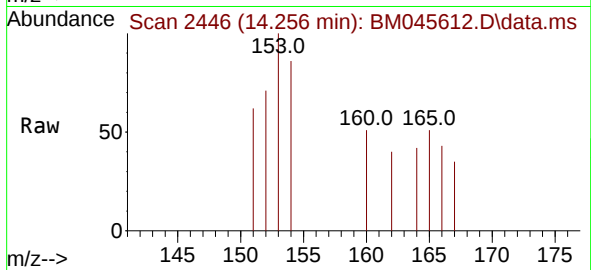
E1CY7DL

Tgt Ion:	153	Resp:	179
Ion Ratio	Lower	Upper	
153	100		
152	70.8	43.4	65.2
154	86.3	69.0	103.6

Manual Integrations

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Supervised By :mohammad ahmed 04/30/2024



#12

Fluorene

Concen: 0.149 ng/u1

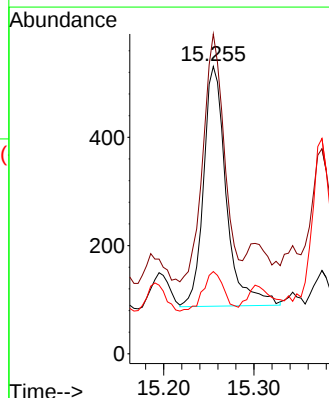
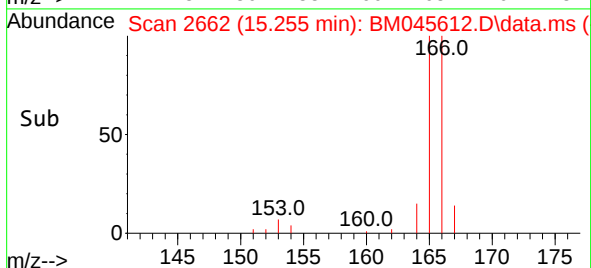
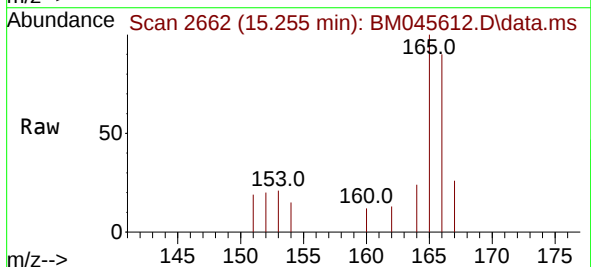
RT: 15.255 min Scan# 2662

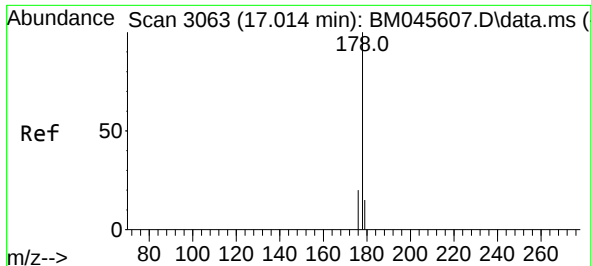
Delta R.T. -0.023 min

Lab File: BM045612.D

Acq: 27 Apr 2024 14:43

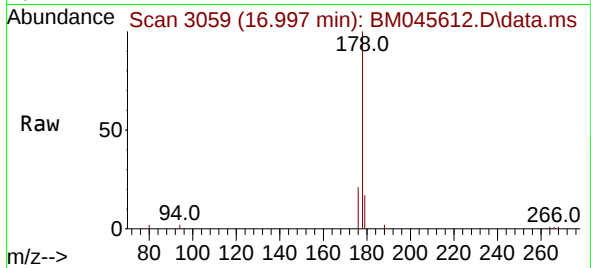
Tgt Ion:	166	Resp:	776
Ion Ratio	Lower	Upper	
166	100		
165	111.3	82.2	123.2
167	28.6	14.8	22.2





#15
Phenanthrene
Concen: 1.310 ng/ul
RT: 16.997 min Scan# 3059
Delta R.T. -0.025 min
Lab File: BM045612.D
Acq: 27 Apr 2024 14:43

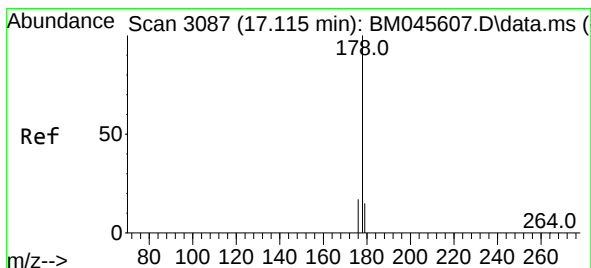
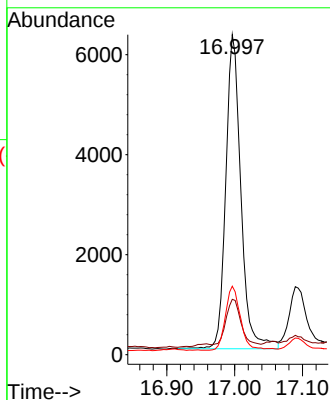
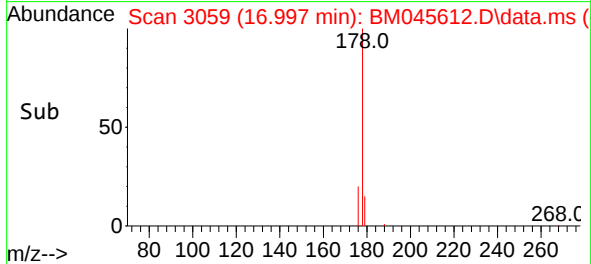
Instrument :
BNA_M
ClientSampleId :
E1CY7DL



Tgt Ion:178 Resp: 976
Ion Ratio Lower Upper
178 100
179 17.3 15.4 23.2
176 21.4 19.0 28.4

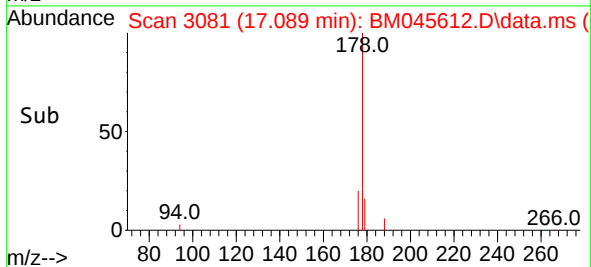
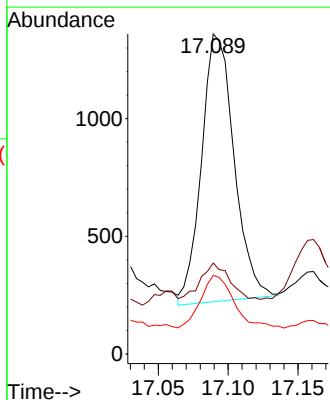
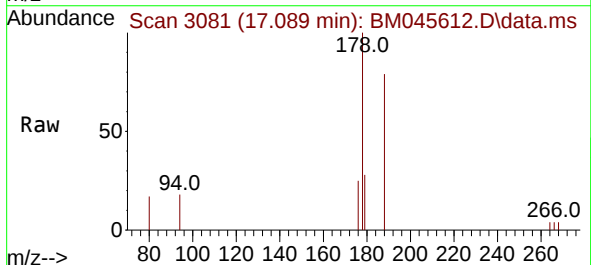
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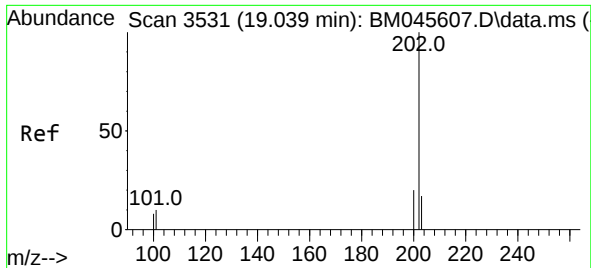
Reviewed By :Jagrut Upadhyay 04/29/2024
Supervised By :mohammad ahmed 04/30/2024



#16
Anthracene
Concen: 0.264 ng/ul
RT: 17.089 min Scan# 3081
Delta R.T. -0.030 min
Lab File: BM045612.D
Acq: 27 Apr 2024 14:43

Tgt Ion:178 Resp: 1843
Ion Ratio Lower Upper
178 100
179 28.4 17.8 26.6#
176 24.6 18.7 28.1





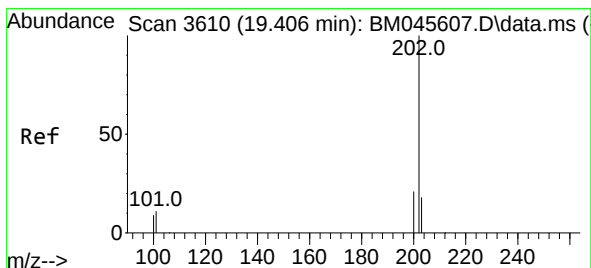
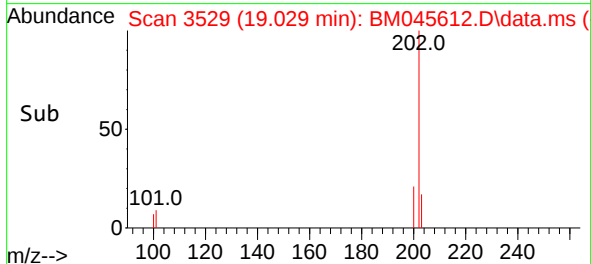
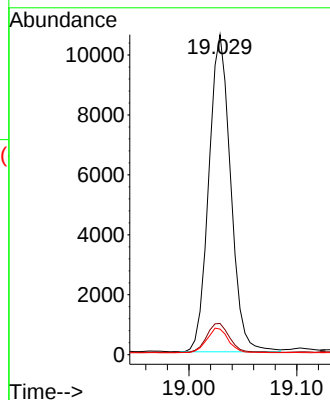
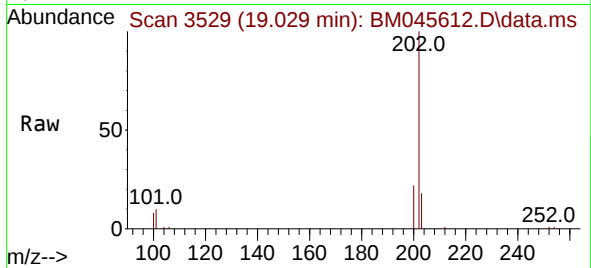
#19
Fluoranthene
Concen: 1.511 ng/ul
RT: 19.029 min Scan# 3529
Delta R.T. -0.019 min
Lab File: BM045612.D
Acq: 27 Apr 2024 14:43

Instrument :
BNA_M
ClientSampleId :
E1CY7DL

Tgt Ion:202 Resp: 1489
Ion Ratio Lower Upper
202 100
101 9.7 11.2 16.8
100 8.0 9.1 13.7

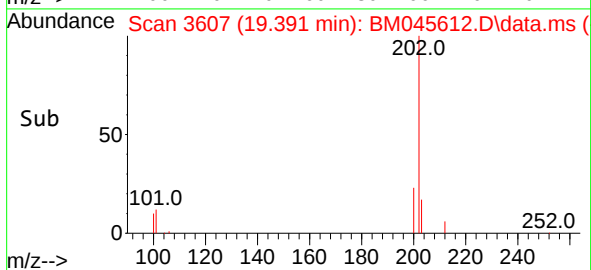
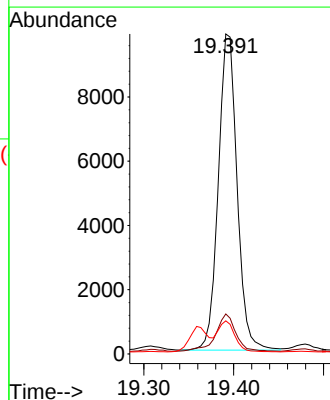
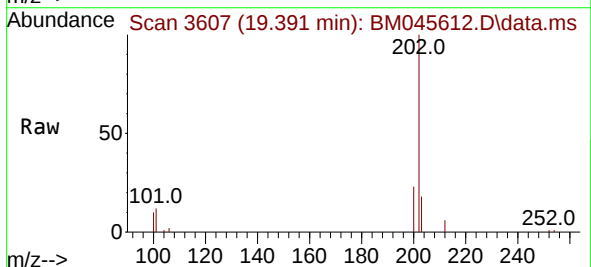
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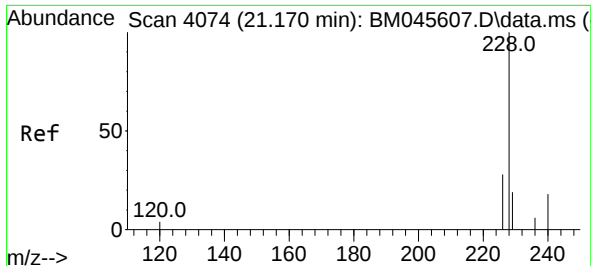
Reviewed By :Jagrut Upadhyay 04/29/2024
Supervised By :mohammad ahmed 04/30/2024



#20
Pyrene
Concen: 1.407 ng/ul
RT: 19.391 min Scan# 3607
Delta R.T. -0.023 min
Lab File: BM045612.D
Acq: 27 Apr 2024 14:43

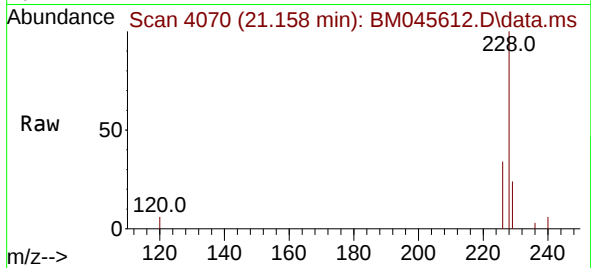
Tgt Ion:202 Resp: 14256
Ion Ratio Lower Upper
202 100
101 12.5 11.5 17.3
100 10.3 10.6 15.8





#21
Benzo(a)anthracene
Concen: 1.072 ng/ul
RT: 21.158 min Scan# 4070
Delta R.T. -0.023 min
Lab File: BM045612.D
Acq: 27 Apr 2024 14:43

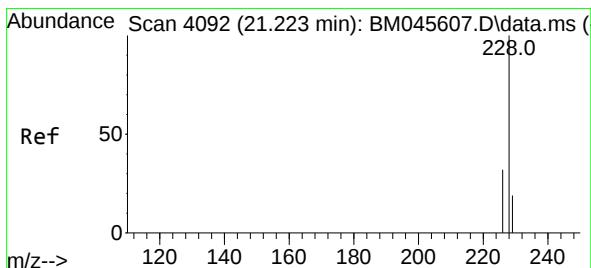
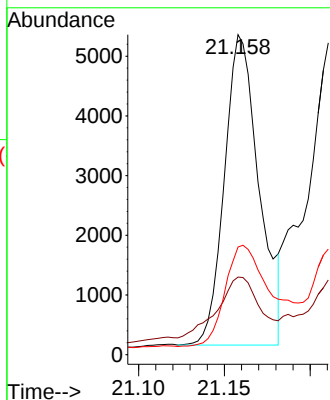
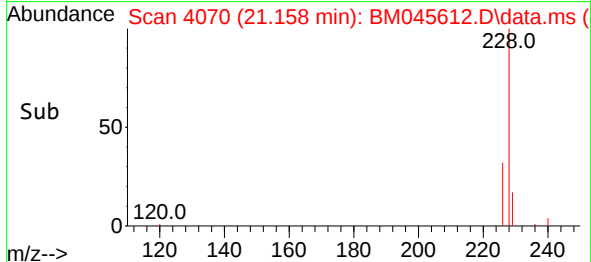
Instrument :
BNA_M
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E1CY7DL



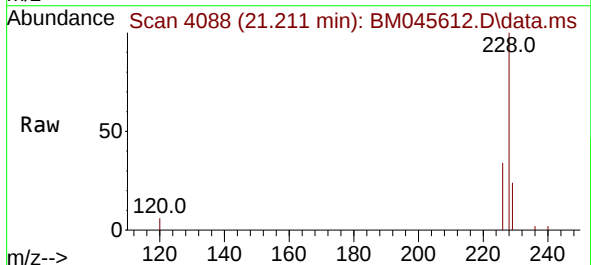
Tgt Ion:228 Resp: 732
Ion Ratio Lower Upper
228 100
229 24.2 19.4 29.2
226 33.6 26.3 39.5

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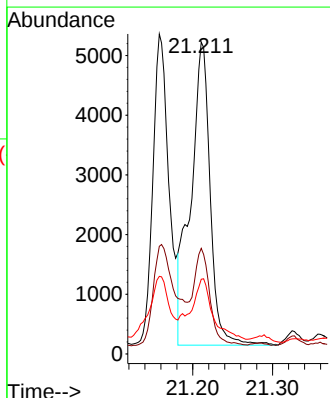
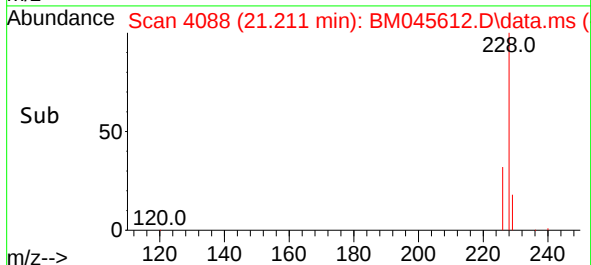
Reviewed By :Jagrut Upadhyay 04/29/2024
Supervised By :mohammad ahmed 04/30/2024

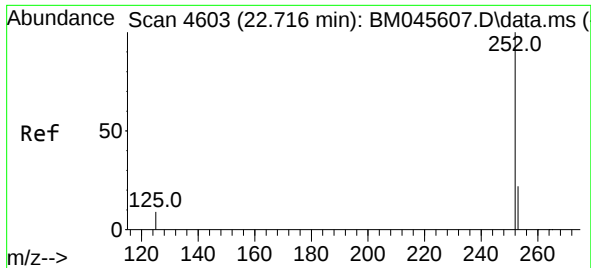


#22
Chrysene
Concen: 0.825 ng/ul
RT: 21.211 min Scan# 4088
Delta R.T. -0.018 min
Lab File: BM045612.D
Acq: 27 Apr 2024 14:43



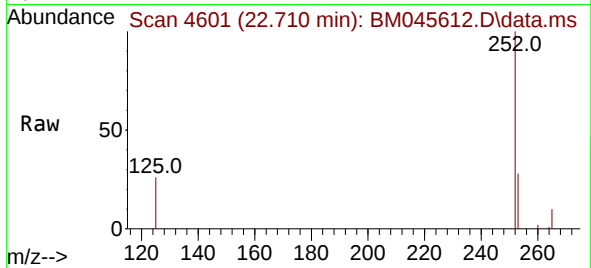
Tgt Ion:228 Resp: 8657
Ion Ratio Lower Upper
228 100
226 33.8 26.3 39.5
229 23.9 17.8 26.8





#24
Benzo(b)fluoranthene
Concen: 1.609 ng/ul
RT: 22.710 min Scan# 4601
Delta R.T. -0.020 min
Lab File: BM045612.D
Acq: 27 Apr 2024 14:43

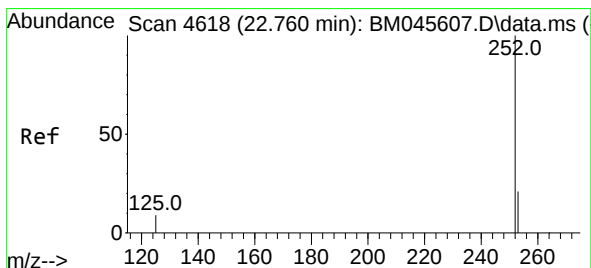
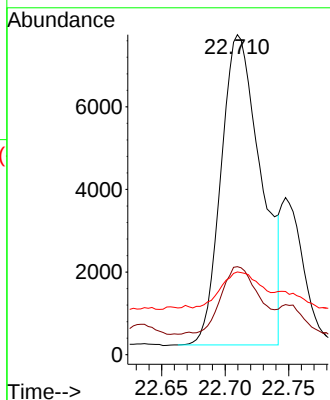
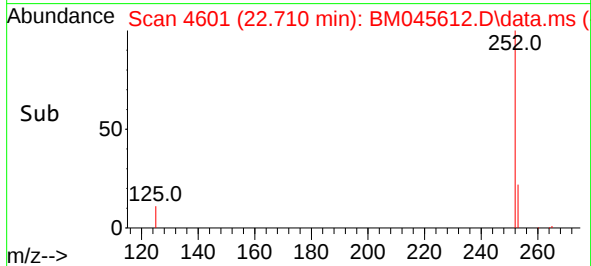
Instrument :
BNA_M
ClientSampleId :
E1CY7DL



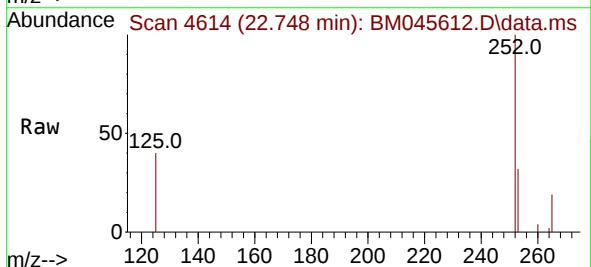
Tgt Ion:252 Resp: 16410
Ion Ratio Lower Upper
252 100
253 27.5 0.0 63.4
125 25.8 0.0 36.8

Manual Integrations
APPROVED

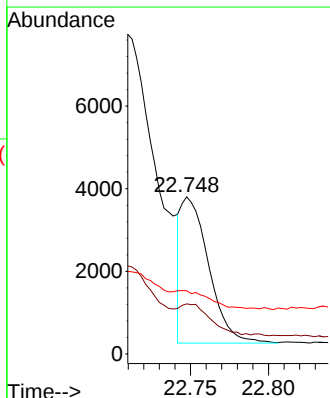
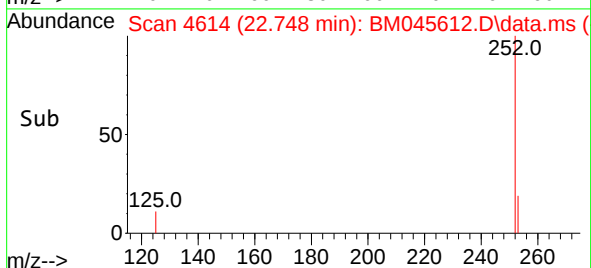
Reviewed By :Jagrut Upadhyay 04/29/2024
Supervised By :mohammad ahmed 04/30/2024

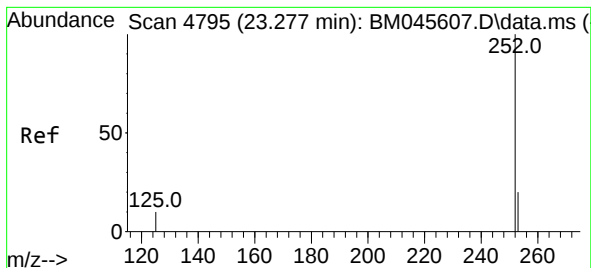


#25
Benzo(k)fluoranthene
Concen: 0.338 ng/ul m
RT: 22.748 min Scan# 4614
Delta R.T. -0.023 min
Lab File: BM045612.D
Acq: 27 Apr 2024 14:43



Tgt Ion:252 Resp: 4356
Ion Ratio Lower Upper
252 100
253 31.9 25.4 38.0
125 40.2 14.8 22.2#





#26

Benzo(a)pyrene

Concen: 0.930 ng/ul

RT: 23.262 min Scan# 41

Delta R.T. -0.029 min

Lab File: BM045612.D

Acq: 27 Apr 2024 14:43

Instrument :

BNM

ClientSampleId :

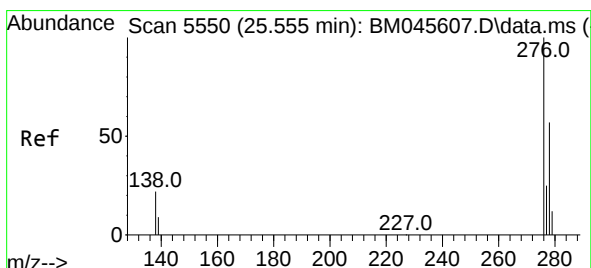
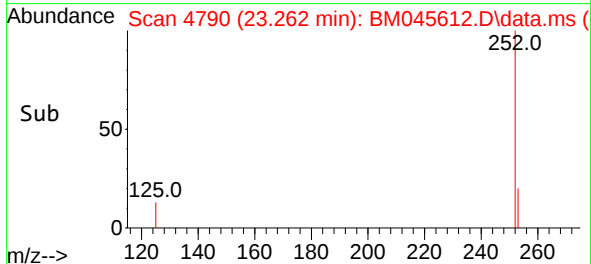
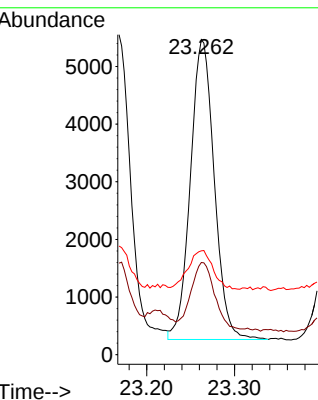
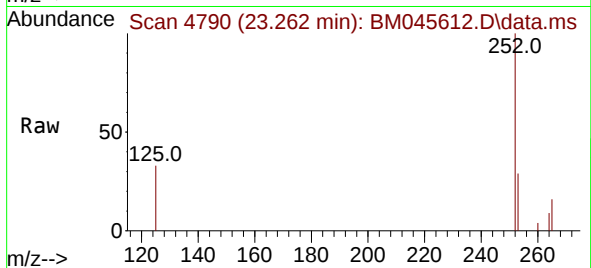
E1CY7DL

Tgt Ion:	252	Resp:	983
Ion Ratio	Lower	Upper	
252	100		
253	29.2	31.6	47.4
125	33.0	19.5	29.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 04/29/2024
Supervised By :mohammad ahmed 04/30/2024



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.655 ng/ul

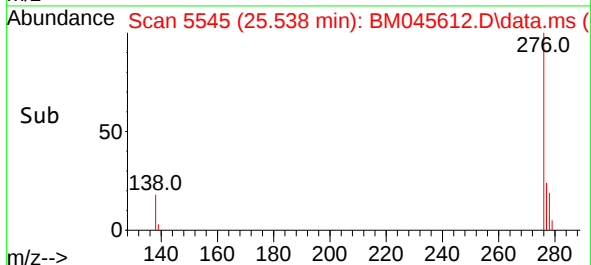
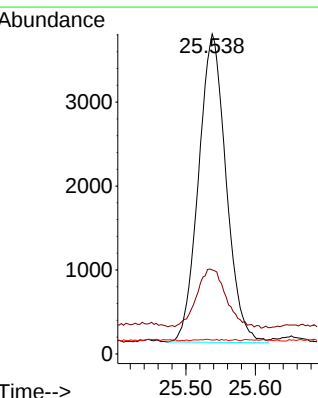
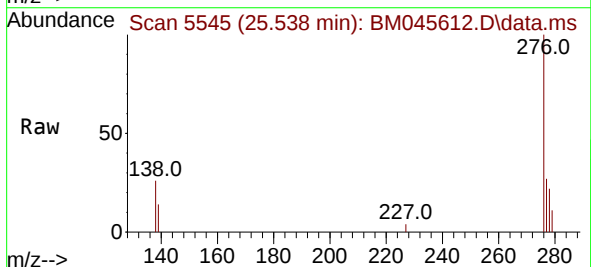
RT: 25.538 min Scan# 5545

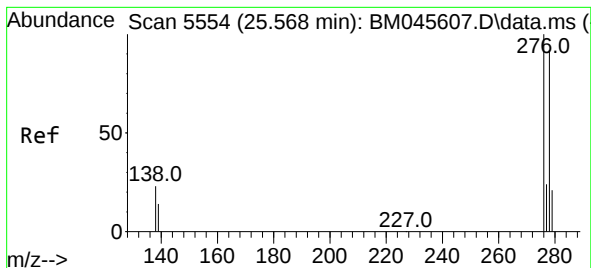
Delta R.T. -0.034 min

Lab File: BM045612.D

Acq: 27 Apr 2024 14:43

Tgt Ion:	276	Resp:	10061
Ion Ratio	Lower	Upper	
276	100		
138	20.1	19.8	29.6
227	0.1	0.2	0.2





#28

Dibenzo(a,h)anthracene

Concen: 0.216 ng/ul

RT: 25.541 min Scan# 51

Delta R.T. -0.047 min

Lab File: BM045612.D

Acq: 27 Apr 2024 14:43

Instrument :

BNA_M

ClientSampleId :

E1CY7DL

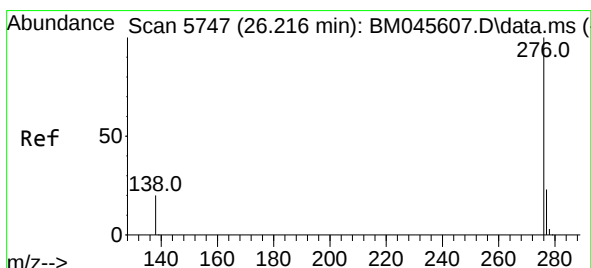
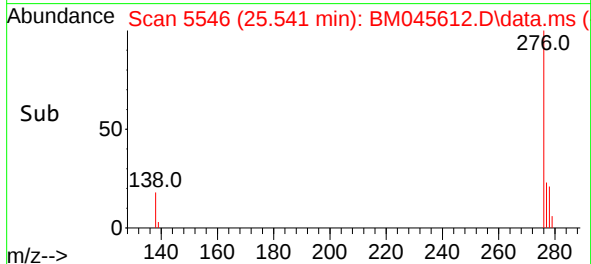
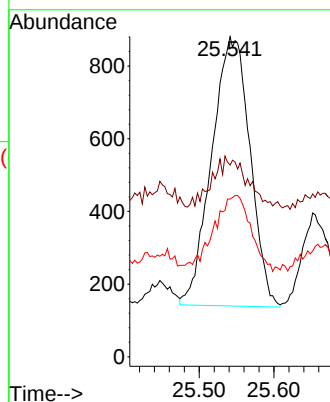
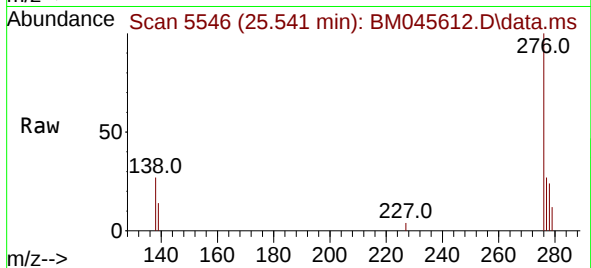
Tgt Ion: 278 Resp: 263

Ion	Ratio	Lower	Upper
278	100		
139	59.9	19.0	28.6
279	49.3	29.4	44.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 04/29/2024
Supervised By :mohammad ahmed 04/30/2024



#29

Benzo(g,h,i)perylene

Concen: 0.805 ng/ul

RT: 26.205 min Scan# 5744

Delta R.T. -0.030 min

Lab File: BM045612.D

Acq: 27 Apr 2024 14:43

Tgt Ion: 276 Resp: 11118

Ion	Ratio	Lower	Upper
276	100		
138	26.7	20.8	31.2
277	26.8	21.8	32.8

