

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121123\
 Data File : BM043302.D
 Acq On : 13 Dec 2023 15:37
 Operator : MA/JU
 Sample : 05366-02RE
 Misc :
 ALS Vial : 78 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P-14(10-15)RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023

Quant Time: Dec 13 16:22:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 11 16:25:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.005	152	14012	0.400	ng/ul	0.00
4) Naphthalene-d8	10.807	136	45464	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.624	164	25029	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.367	188	48594	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.533	240	28895	0.400	ng/ul	# 0.00
23) Perylene-d12	23.947	264	28706	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.393	96	72	0.004	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	12.390	152	18429	0.286	ng/ul	0.00
18) Fluoranthene-d10	19.385	212	28696	0.278	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.856	128	115753	0.847	ng/ul	98
7) 2-Methylnaphthalene	12.462	142	57772	0.655	ng/ul	99
8) 1-Methylnaphthalene	12.682	142	64010	0.723	ng/ul	99
10) Acenaphthylene	14.352	152	53904	0.391	ng/ul#	93
11) Acenaphthene	14.689	153	40185	0.401	ng/ul	98
12) Fluorene	15.670	166	62818	0.553	ng/ul	98
15) Phenanthrene	17.405	178	280514	1.731	ng/ul	100
16) Anthracene	17.498	178	95860	0.651	ng/ul	100
19) Fluoranthene	19.417	202	237371	1.456	ng/ul#	94
20) Pyrene	19.775	202	246847	1.525	ng/ul	96
21) Benzo(a)anthracene	21.518	228	54323	0.428	ng/ul	92
22) Chrysene	21.571	228	49743	0.371	ng/ul	96
24) Benzo(b)fluoranthene	23.217	252	65628	0.504	ng/ul	89
25) Benzo(k)fluoranthene	23.260	252	20881m	0.155	ng/ul	
26) Benzo(a)pyrene	23.842	252	57583	0.536	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	26.461	276	48669	0.398	ng/ul#	94
28) Dibenzo(a,h)anthracene	26.478	278	10684	0.110	ng/ul#	61
29) Benzo(g,h,i)perylene	27.239	276	50567	0.484	ng/ul	95

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

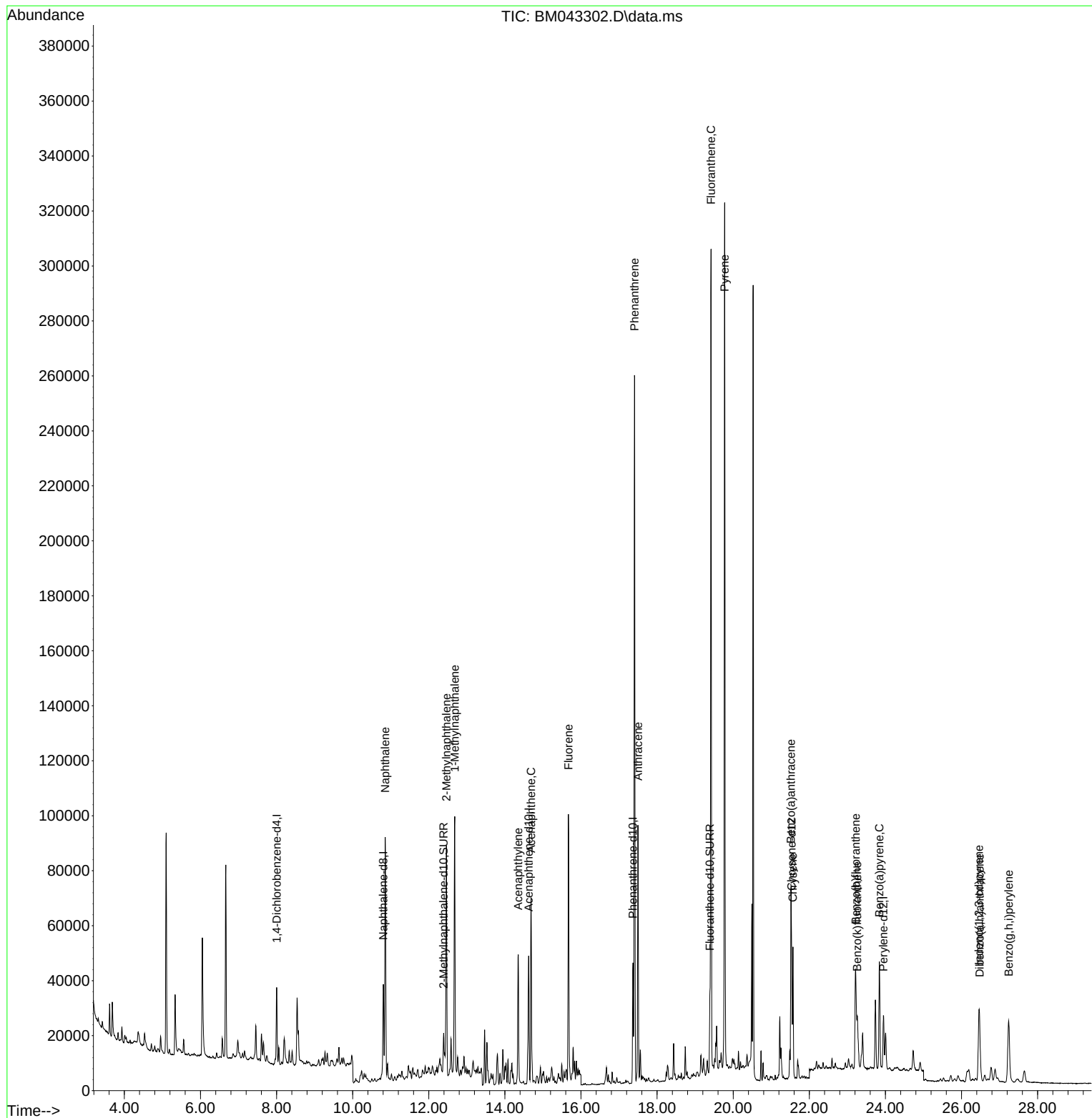
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121123\
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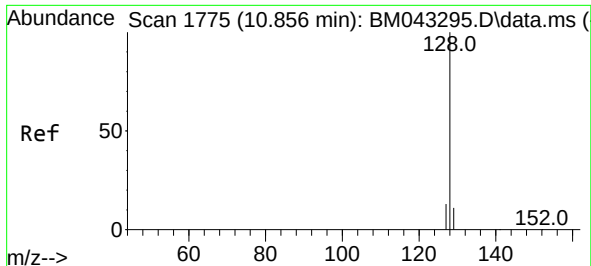
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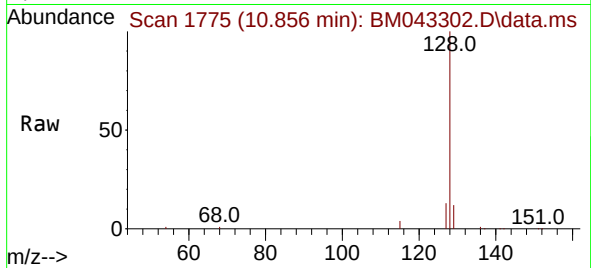
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023





#5
Naphthalene
Concen: 0.847 ng/ul
RT: 10.856 min Scan# 11
Delta R.T. -0.011 min
Lab File: BM043302.D
Acq: 13 Dec 2023 15:37

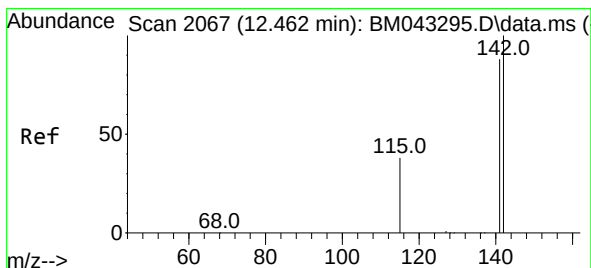
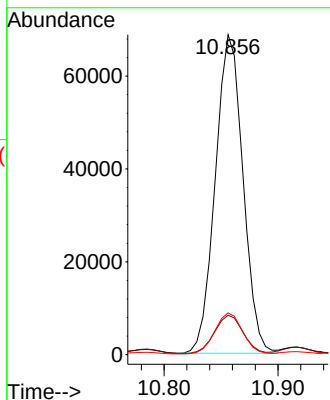
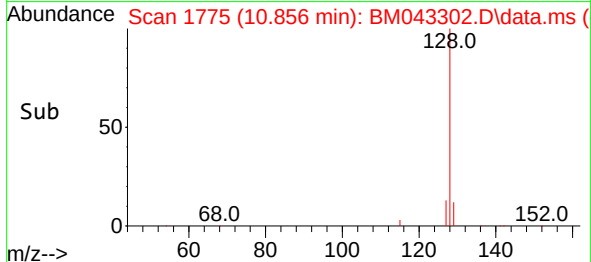
Instrument :
BNA_M
ClientSampleId :
P-14(10-15)RE



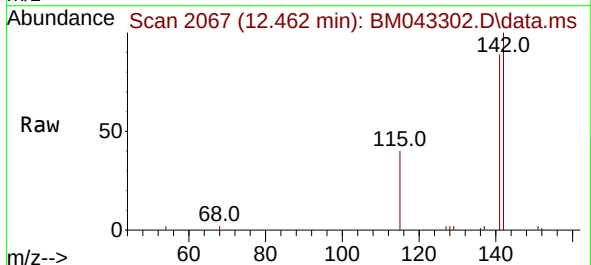
Tgt Ion:128 Resp: 11575
Ion Ratio Lower Upper
128 100
129 12.3 9.0 13.4
127 13.1 10.3 15.5

Manual Integrations
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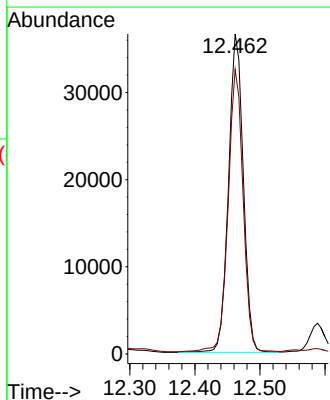
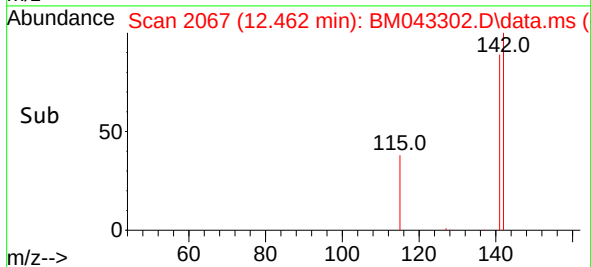
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

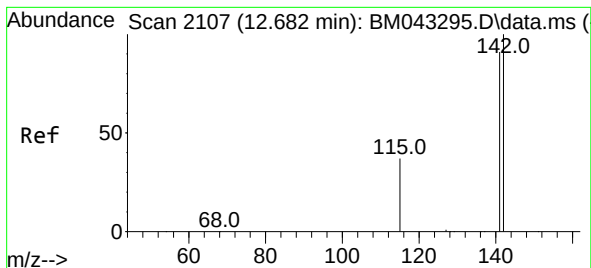


#7
2-Methylnaphthalene
Concen: 0.655 ng/ul
RT: 12.462 min Scan# 2067
Delta R.T. -0.011 min
Lab File: BM043302.D
Acq: 13 Dec 2023 15:37



Tgt Ion:142 Resp: 57772
Ion Ratio Lower Upper
142 100
141 89.4 70.9 106.3





#8

1-Methylnaphthalene

Concen: 0.723 ng/ul

RT: 12.682 min Scan# 2107

Delta R.T. -0.005 min

Lab File: BM043302.D

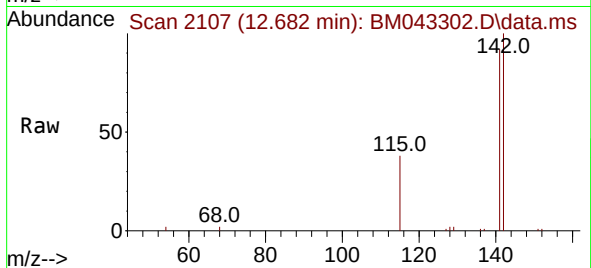
Acq: 13 Dec 2023 15:37

Instrument :

BNA_M

ClientSampleId :

P-14(10-15)RE



Tgt Ion:142 Resp: 64010

Ion Ratio Lower Upper

142 100

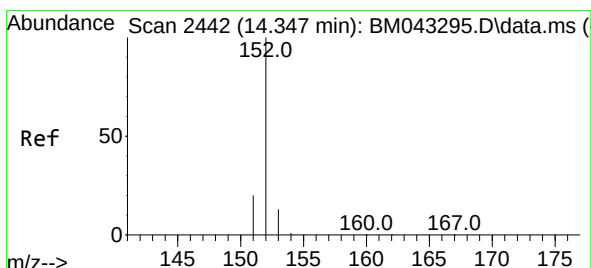
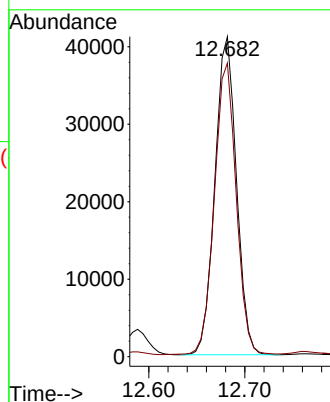
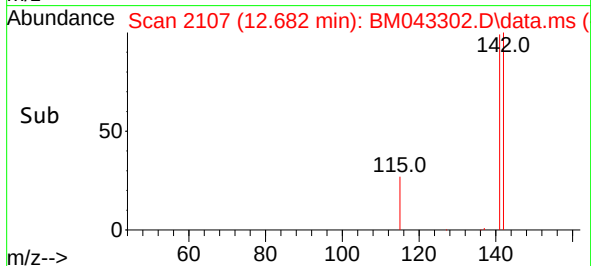
141 92.8 73.7 110.5

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#10

Acenaphthylene

Concen: 0.391 ng/ul

RT: 14.352 min Scan# 2443

Delta R.T. 0.000 min

Lab File: BM043302.D

Acq: 13 Dec 2023 15:37

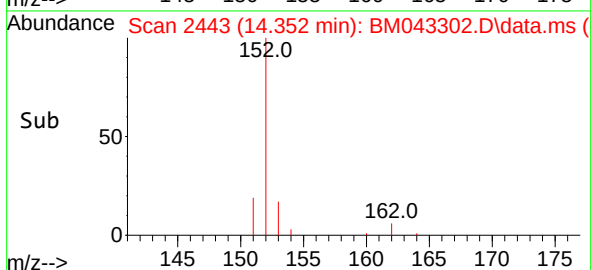
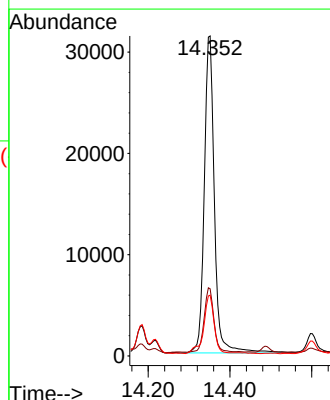
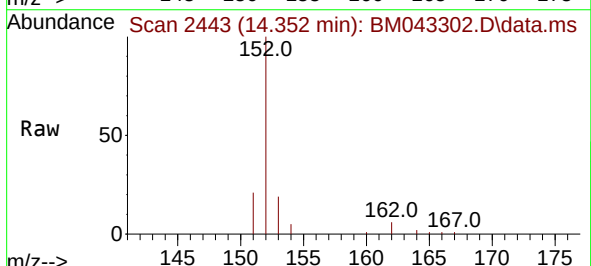
Tgt Ion:152 Resp: 53904

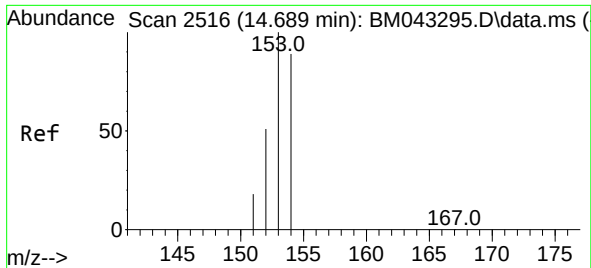
Ion Ratio Lower Upper

152 100

151 21.0 16.2 24.2

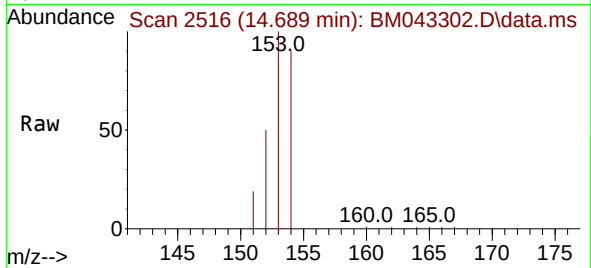
153 19.0 10.4 15.6#





#11
Acenaphthene
Concen: 0.401 ng/ul
RT: 14.689 min Scan# 2516
Delta R.T. -0.005 min
Lab File: BM043302.D
Acq: 13 Dec 2023 15:37

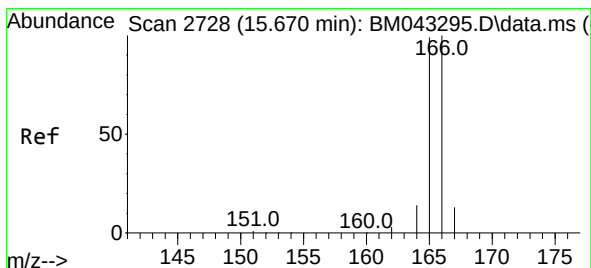
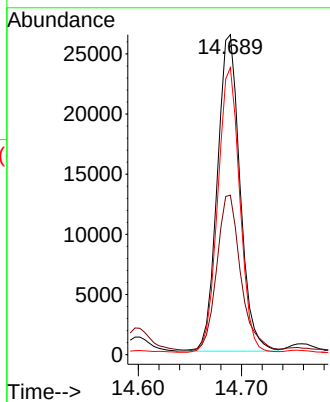
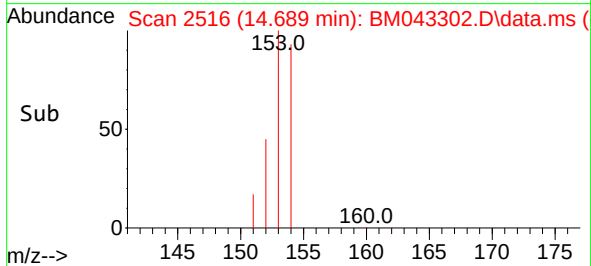
Instrument :
BNA_M
ClientSampleId :
P-14(10-15)RE



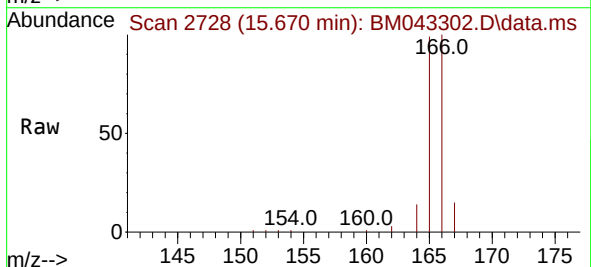
Tgt Ion:153 Resp: 40189
Ion Ratio Lower Upper
153 100
152 49.8 42.1 63.1
154 89.7 71.3 106.9

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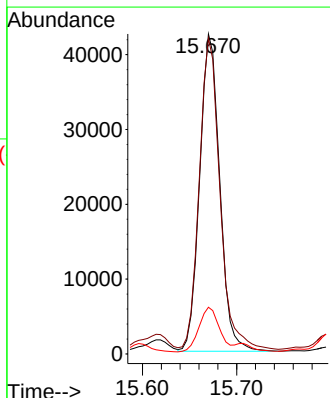
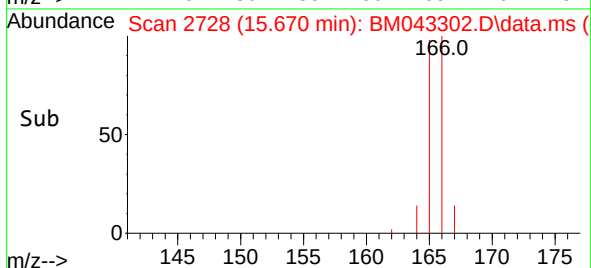
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

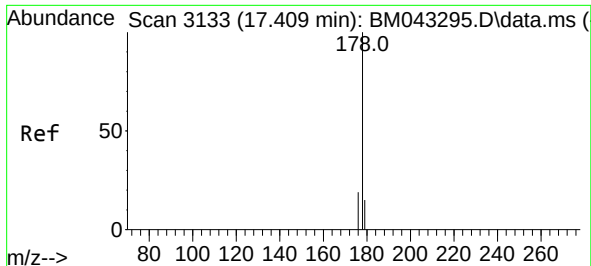


#12
Fluorene
Concen: 0.553 ng/ul
RT: 15.670 min Scan# 2728
Delta R.T. -0.005 min
Lab File: BM043302.D
Acq: 13 Dec 2023 15:37



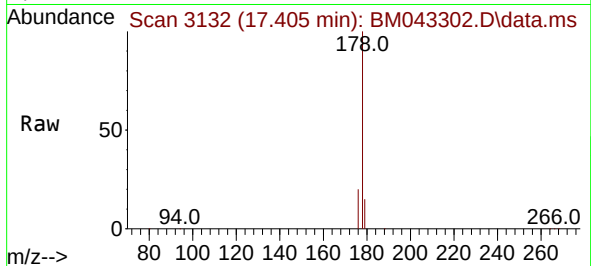
Tgt Ion:166 Resp: 62818
Ion Ratio Lower Upper
166 100
165 98.7 80.3 120.5
167 14.6 10.8 16.2





#15
Phenanthrene
Concen: 1.731 ng/u1
RT: 17.405 min Scan# 3132
Delta R.T. -0.004 min
Lab File: BM043302.D
Acq: 13 Dec 2023 15:37

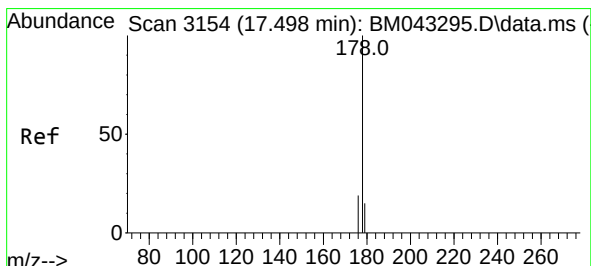
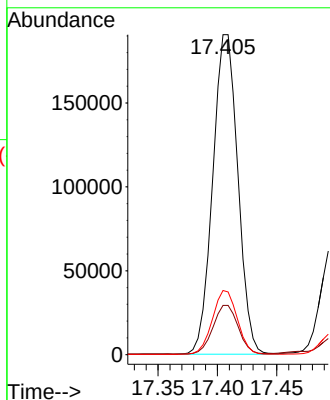
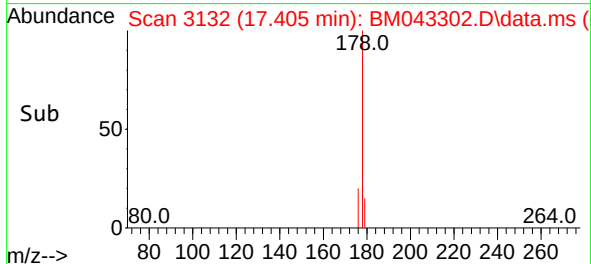
Instrument :
BNA_M
ClientSampleId :
P-14(10-15)RE



Tgt Ion:178 Resp: 280514
Ion Ratio Lower Upper
178 100
179 15.4 12.4 18.6
176 20.0 16.2 24.2

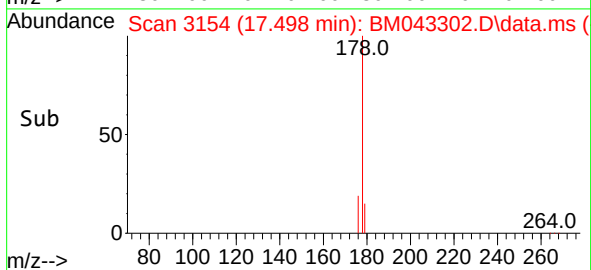
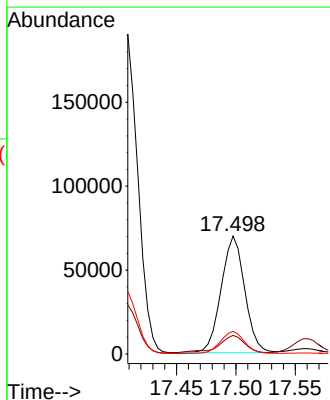
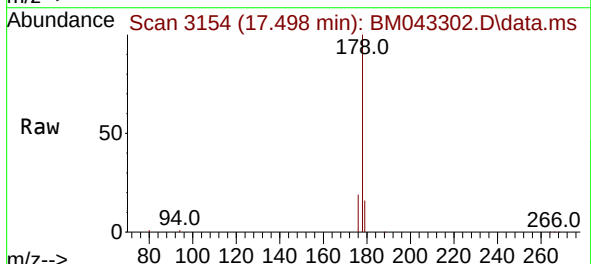
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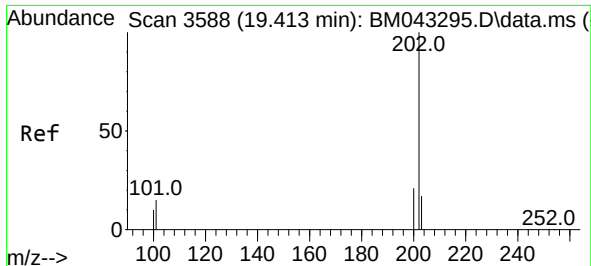
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#16
Anthracene
Concen: 0.651 ng/u1
RT: 17.498 min Scan# 3154
Delta R.T. -0.004 min
Lab File: BM043302.D
Acq: 13 Dec 2023 15:37

Tgt Ion:178 Resp: 95860
Ion Ratio Lower Upper
178 100
179 15.7 12.6 18.8
176 19.2 15.6 23.4





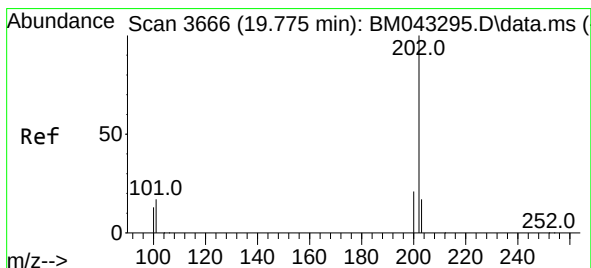
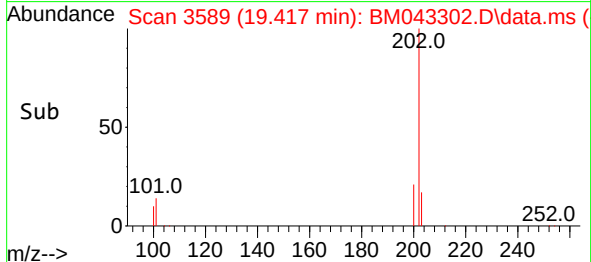
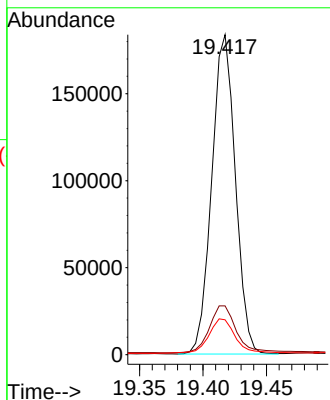
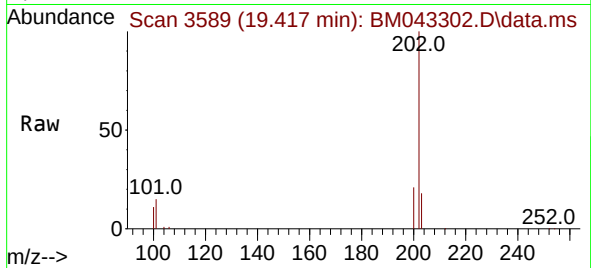
#19
Fluoranthene
Concen: 1.456 ng/u1
RT: 19.417 min Scan# 3589
Delta R.T. 0.000 min
Lab File: BM043302.D
Acq: 13 Dec 2023 15:37

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ClientSampleId :
P-14(10-15)RE

Tgt Ion:202 Resp: 23737
Ion Ratio Lower Upper
202 100
101 15.2 10.1 15.1
100 10.9 7.4 11.2

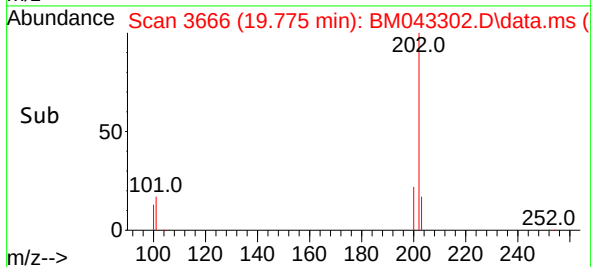
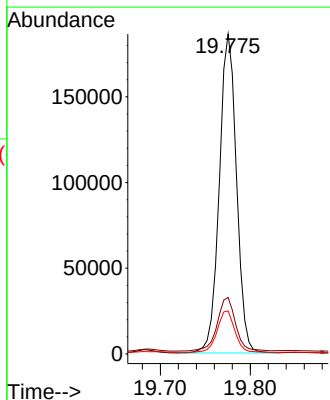
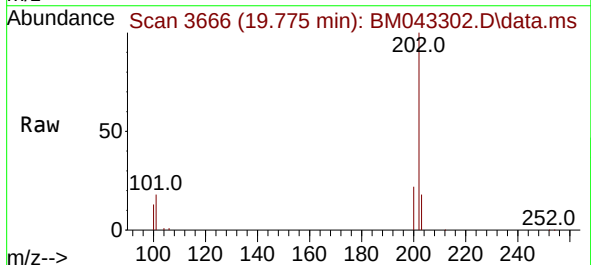
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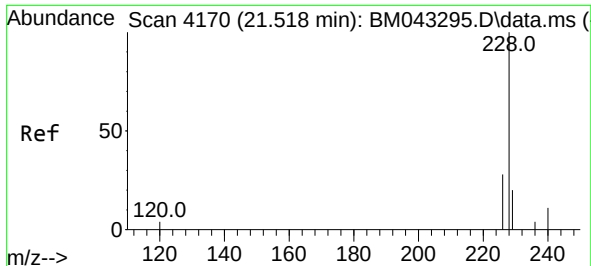
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#20
Pyrene
Concen: 1.525 ng/u1
RT: 19.775 min Scan# 3666
Delta R.T. 0.000 min
Lab File: BM043302.D
Acq: 13 Dec 2023 15:37

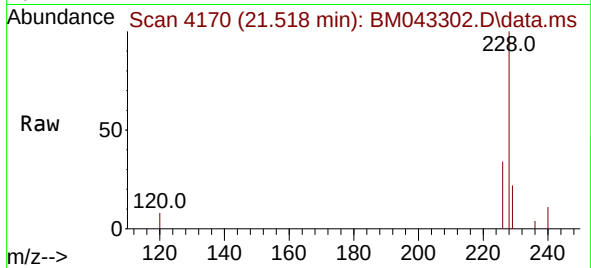
Tgt Ion:202 Resp: 246847
Ion Ratio Lower Upper
202 100
101 17.6 12.7 19.1
100 13.5 9.8 14.8





#21
Benzo(a)anthracene
Concen: 0.428 ng/ul
RT: 21.518 min Scan# 4170
Delta R.T. 0.000 min
Lab File: BM043302.D
Acq: 13 Dec 2023 15:37

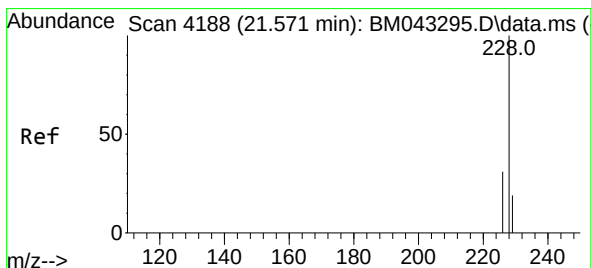
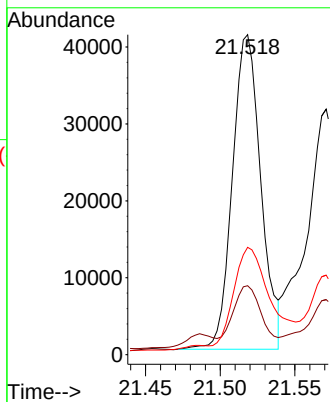
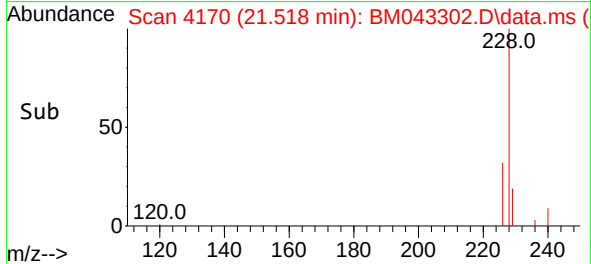
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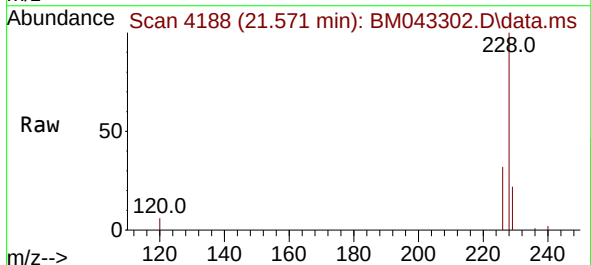
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Ion Ratio Lower Upper
228 100
229 21.5 15.5 23.3
226 33.5 22.6 34.0

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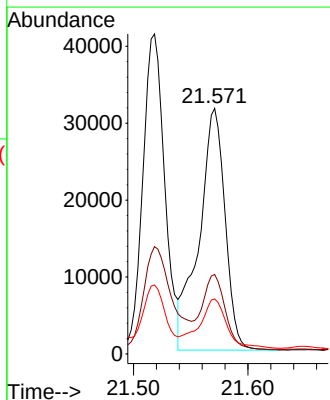
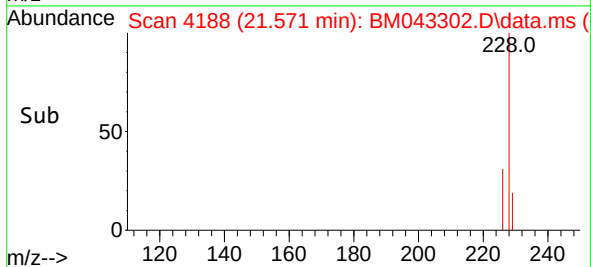
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

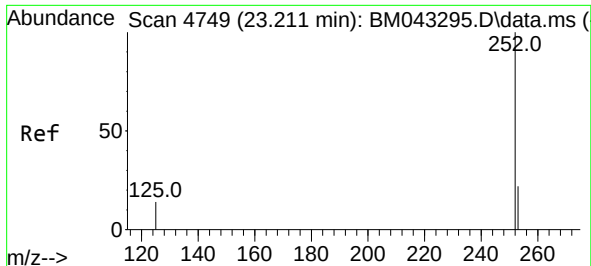


#22
Chrysene
Concen: 0.371 ng/ul
RT: 21.571 min Scan# 4188
Delta R.T. 0.000 min
Lab File: BM043302.D
Acq: 13 Dec 2023 15:37



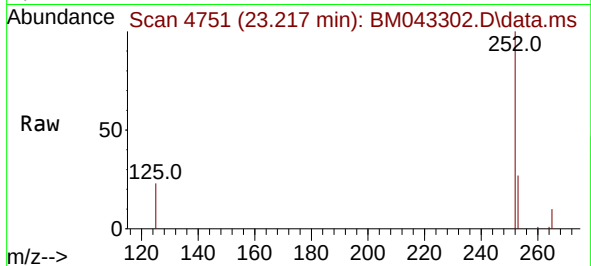
Tgt Ion:228 Resp: 49743
Ion Ratio Lower Upper
228 100
226 32.4 24.8 37.2
229 22.4 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 0.504 ng/ul
RT: 23.217 min Scan# 4751
Delta R.T. 0.003 min
Lab File: BM043302.D
Acq: 13 Dec 2023 15:37

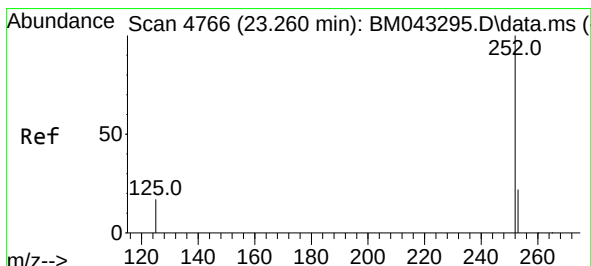
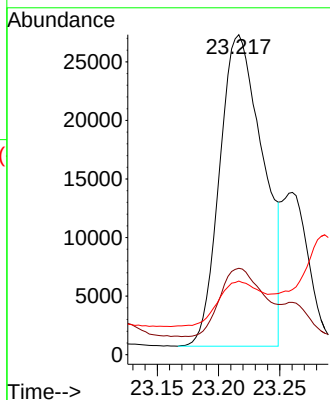
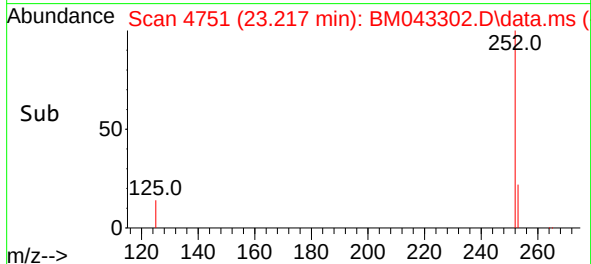
Instrument :
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P-14(10-15)RE



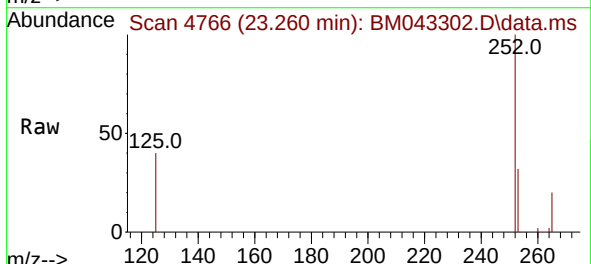
Tgt Ion:252 Resp: 65628
Ion Ratio Lower Upper
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253 27.0 0.0 48.8
125 23.0 0.0 29.2

Manual Integrations
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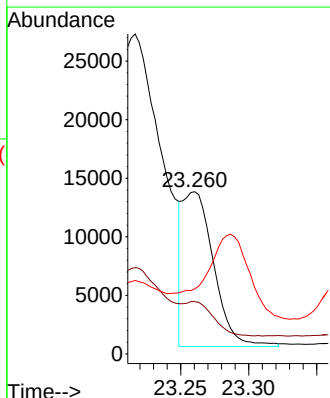
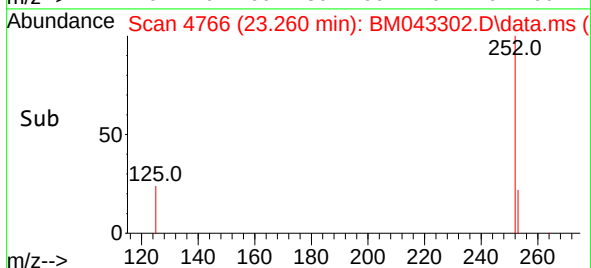
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

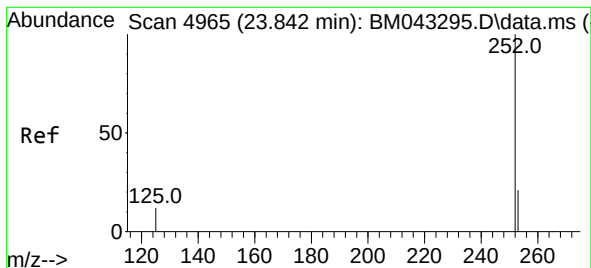


#25
Benzo(k)fluoranthene
Concen: 0.155 ng/ul m
RT: 23.260 min Scan# 4766
Delta R.T. -0.003 min
Lab File: BM043302.D
Acq: 13 Dec 2023 15:37



Tgt Ion:252 Resp: 20881
Ion Ratio Lower Upper
252 100
253 32.3 18.6 28.0#
125 40.2 11.8 17.8#





#26

Benzo(a)pyrene

Concen: 0.536 ng/ul

RT: 23.842 min Scan# 4965

Delta R.T. -0.003 min

Lab File: BM043302.D

Acq: 13 Dec 2023 15:37

Instrument :

BNA_M

ClientSampleId :

P-14(10-15)RE

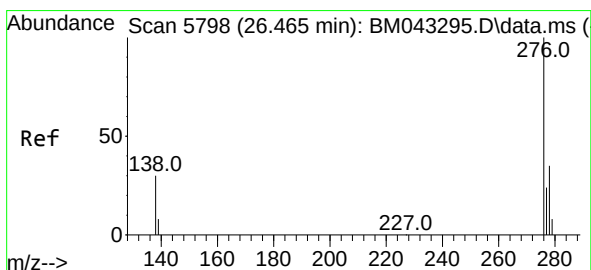
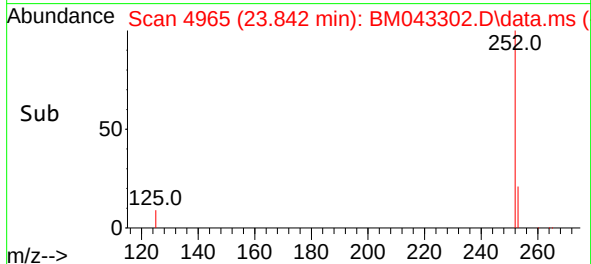
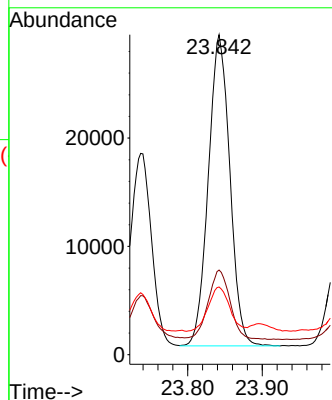
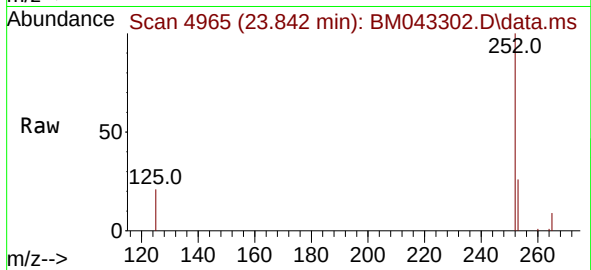
Tgt Ion:	252	Resp:	5758
Ion Ratio	Lower	Upper	
252	100		
253	26.4	20.2	30.2
125	21.2	13.5	20.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.398 ng/ul

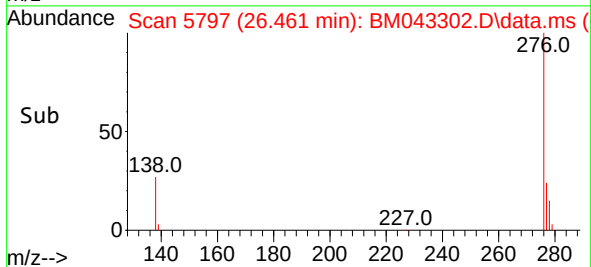
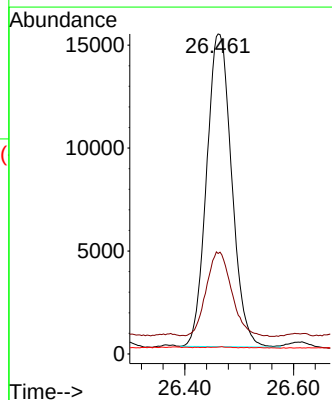
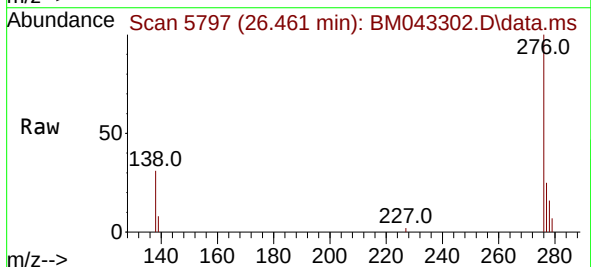
RT: 26.461 min Scan# 5797

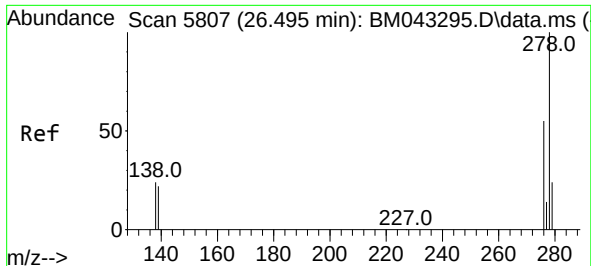
Delta R.T. -0.010 min

Lab File: BM043302.D

Acq: 13 Dec 2023 15:37

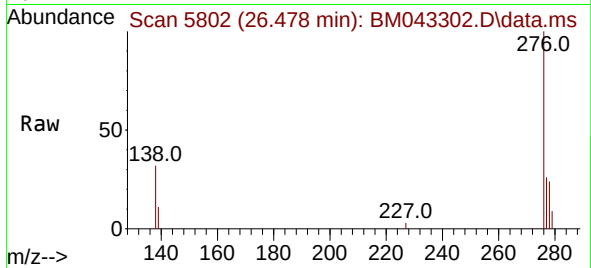
Tgt Ion:	276	Resp:	48669
Ion Ratio	Lower	Upper	
276	100		
138	27.5	24.6	36.8
227	0.3	0.0	0.0





#28
Dibenzo(a,h)anthracene
Concen: 0.110 ng/ul
RT: 26.478 min Scan# 5802
Delta R.T. -0.023 min
Lab File: BM043302.D
Acq: 13 Dec 2023 15:37

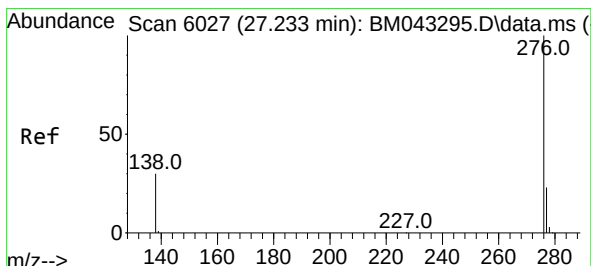
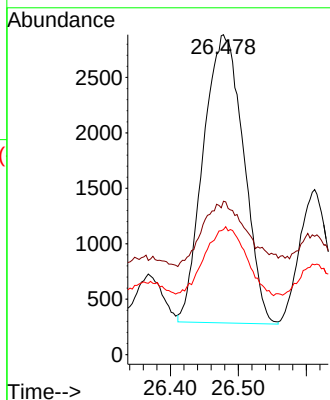
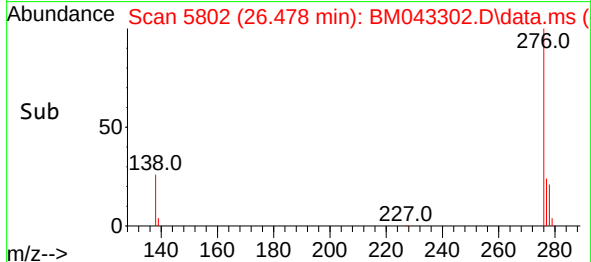
Instrument :
BNA_M
ClientSampleId :
P-14(10-15)RE



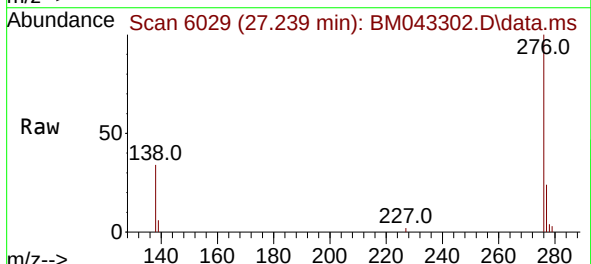
Tgt Ion:278 Resp: 10684
Ion Ratio Lower Upper
278 100
139 48.0 17.4 26.2
279 39.1 20.9 31.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#29
Benzo(g,h,i)perylene
Concen: 0.484 ng/ul
RT: 27.239 min Scan# 6029
Delta R.T. 0.000 min
Lab File: BM043302.D
Acq: 13 Dec 2023 15:37



Tgt Ion:276 Resp: 50567
Ion Ratio Lower Upper
276 100
138 33.6 23.1 34.7
277 24.4 19.4 29.0

