

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121123\
 Data File : BM043301.D
 Acq On : 13 Dec 2023 15:01
 Operator : MA/JU
 Sample : 05366-01RE
 Misc :
 ALS Vial : 77 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P-13(10-15)RE

Manual Integrations
 APPROVED

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

Quant Time: Dec 13 16:22:09 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	11253	0.400	ng/ul	0.00
4) Naphthalene-d8	10.807	136	36991	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.625	164	23442	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.367	188	40004	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.539	240	23895	0.400	ng/ul	# 0.00
23) Perylene-d12	23.953	264	25556	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/ul	
6) 2-Methylnaphthalene-d10	12.390	152	11406	0.218	ng/ul	0.00
18) Fluoranthene-d10	19.385	212	19290	0.226	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.856	128	586114	5.271	ng/ul	100
7) 2-Methylnaphthalene	12.462	142	157004	2.188	ng/ul	100
8) 1-Methylnaphthalene	12.682	142	135507	1.882	ng/ul	100
10) Acenaphthylene	14.347	152	177455	1.375	ng/ul#	96
11) Acenaphthene	14.685	153	232742	2.479	ng/ul	98
12) Fluorene	15.670	166	266615	2.506	ng/ul	99
15) Phenanthrene	17.409	178	1829172	13.711	ng/ul	99
16) Anthracene	17.498	178	382021	3.152	ng/ul	100
19) Fluoranthene	19.417	202	770050	5.713	ng/ul	96
20) Pyrene	19.775	202	1225427	9.157	ng/ul	96
21) Benzo(a)anthracene	21.521	228	385545	3.677	ng/ul#	92
22) Chrysene	21.574	228	359669	3.248	ng/ul	98
24) Benzo(b)fluoranthene	23.220	252	291065	2.509	ng/ul	96
25) Benzo(k)fluoranthene	23.263	252	89577m	0.745	ng/ul	
26) Benzo(a)pyrene	23.848	252	294699	3.080	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	26.465	276	139601	1.281	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.482	278	40531	0.469	ng/ul#	87
29) Benzo(g,h,i)perylene	27.243	276	164294	1.766	ng/ul	99

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

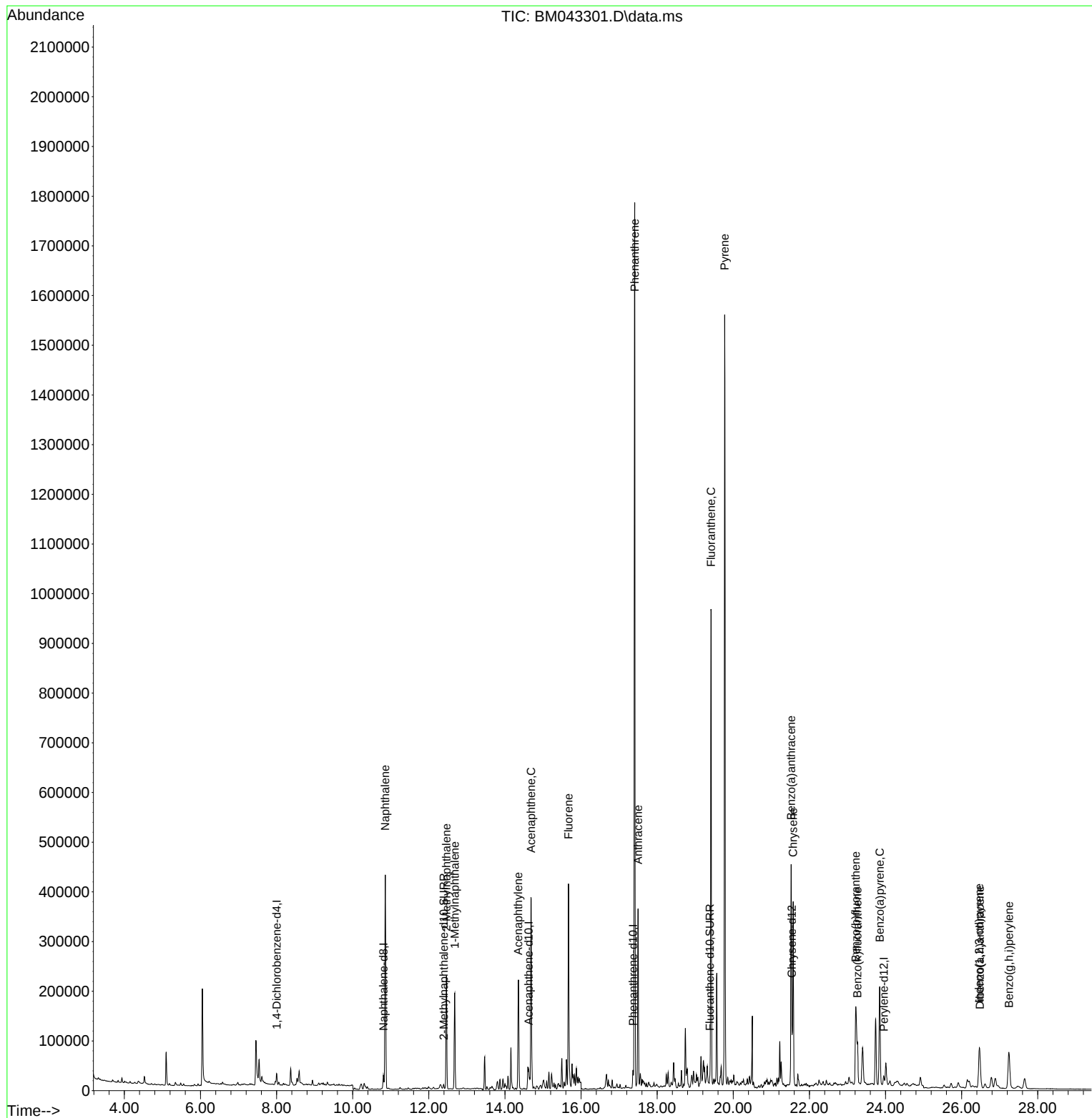
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121123\
Data File : BM043301.D
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ALS Vial : 77 Sample Multiplier: 1

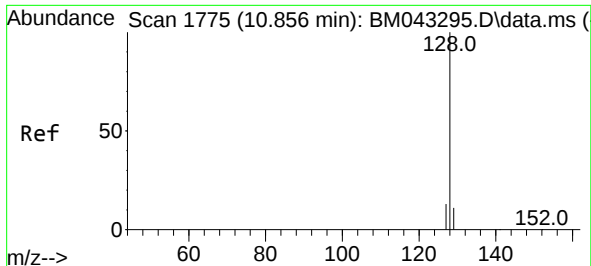
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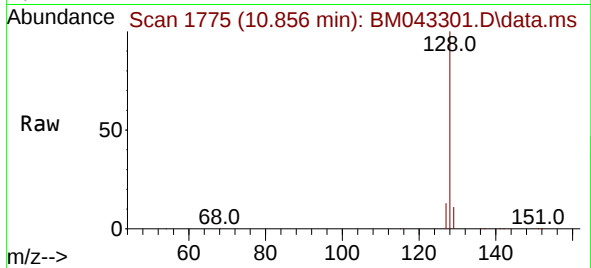
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023





#5
Naphthalene
Concen: 5.271 ng/ul
RT: 10.856 min Scan# 1775
Delta R.T. -0.011 min
Lab File: BM043301.D
Acq: 13 Dec 2023 15:01

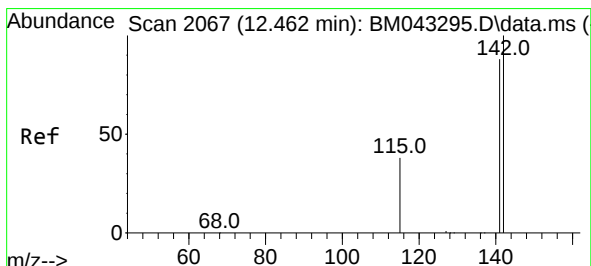
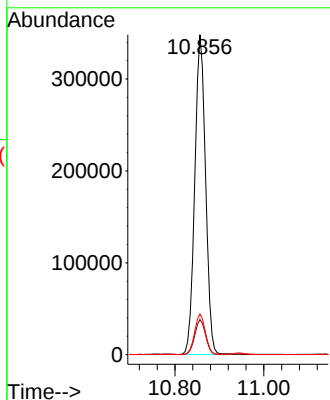
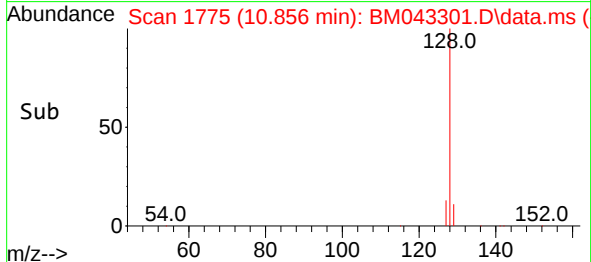
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BNA_M
ClientSampleId :
P-13(10-15)RE



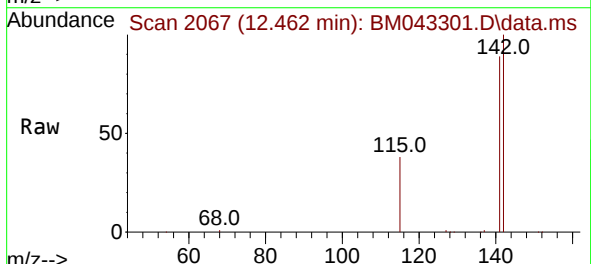
Tgt Ion:128 Resp: 586114
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 12.7 10.3 15.5

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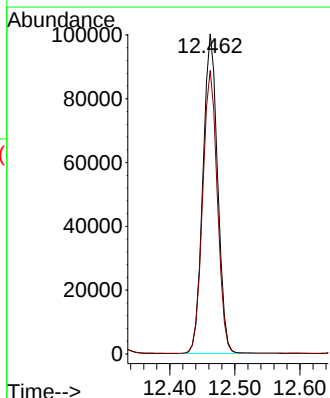
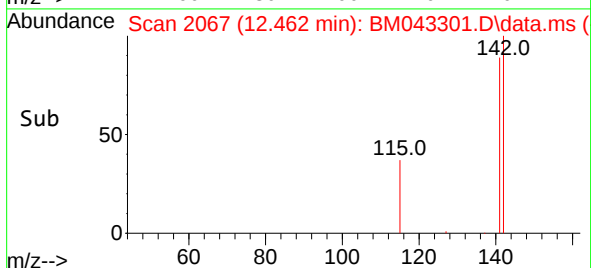
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

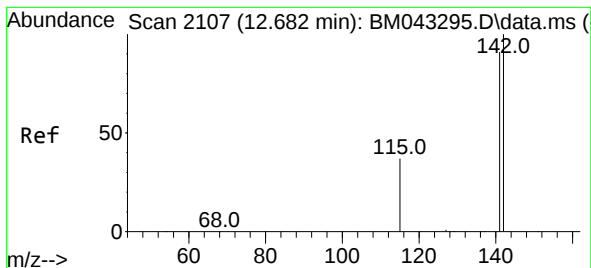


#7
2-Methylnaphthalene
Concen: 2.188 ng/ul
RT: 12.462 min Scan# 2067
Delta R.T. -0.011 min
Lab File: BM043301.D
Acq: 13 Dec 2023 15:01



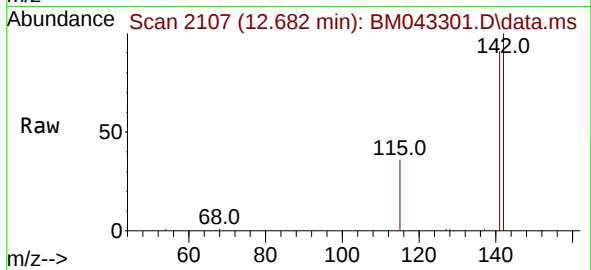
Tgt Ion:142 Resp: 157004
Ion Ratio Lower Upper
142 100
141 88.7 70.9 106.3





#8
1-Methylnaphthalene
Concen: 1.882 ng/ul
RT: 12.682 min Scan# 2107
Delta R.T. -0.005 min
Lab File: BM043301.D
Acq: 13 Dec 2023 15:01

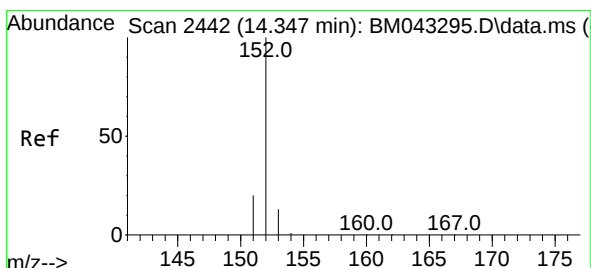
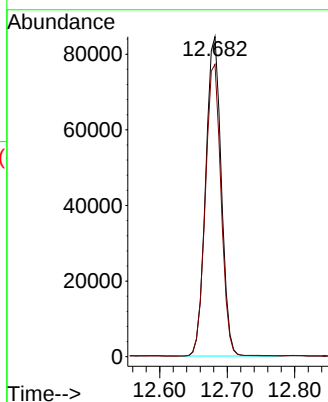
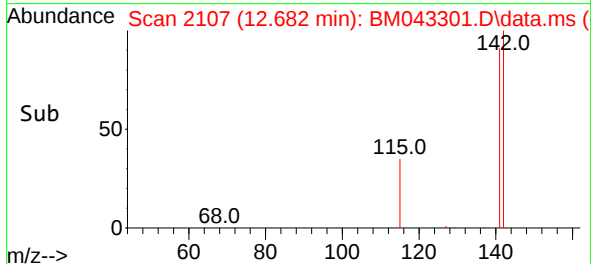
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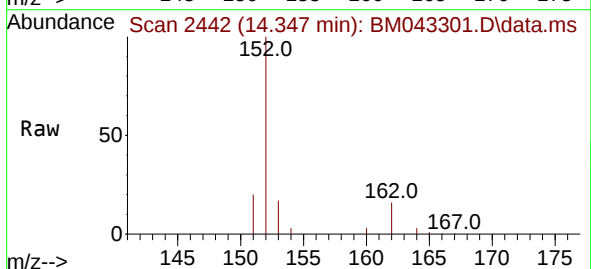
Tgt Ion:142 Resp: 135507
Ion Ratio Lower Upper
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141 92.1 73.7 110.5

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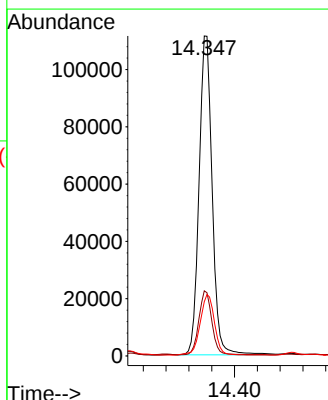
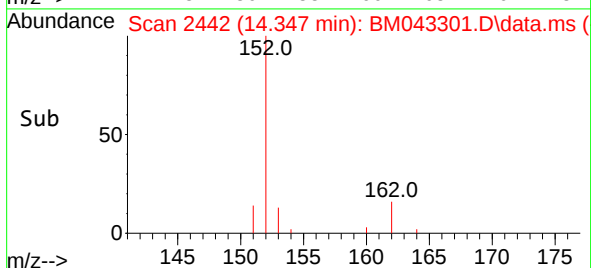
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

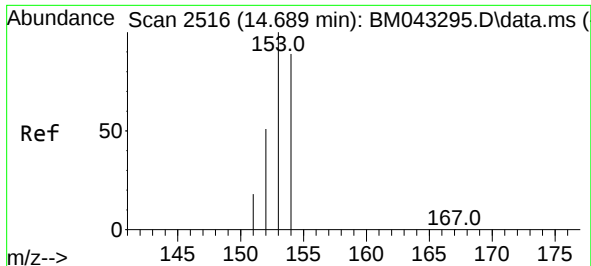


#10
Acenaphthylene
Concen: 1.375 ng/ul
RT: 14.347 min Scan# 2442
Delta R.T. -0.005 min
Lab File: BM043301.D
Acq: 13 Dec 2023 15:01



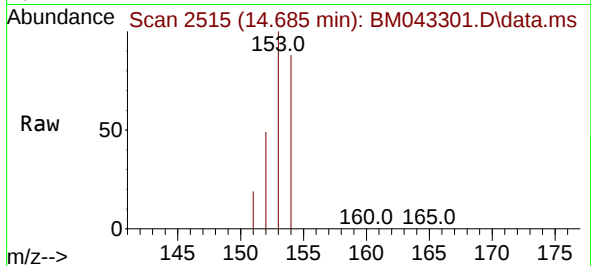
Tgt Ion:152 Resp: 177455
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 16.9 10.4 15.6#





#11
Acenaphthene
Concen: 2.479 ng/u1
RT: 14.685 min Scan# 2153
Delta R.T. -0.009 min
Lab File: BM043301.D
Acq: 13 Dec 2023 15:01

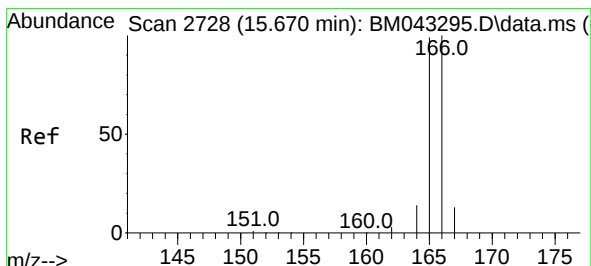
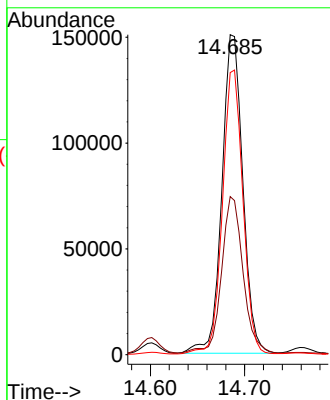
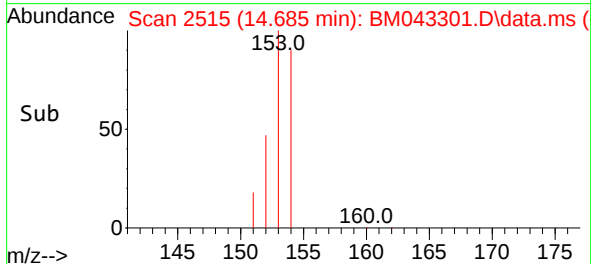
Instrument :
BNA_M
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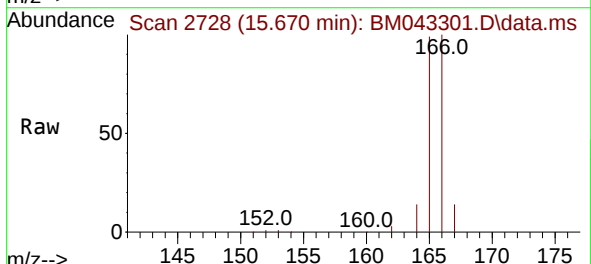
Tgt Ion:153 Resp: 23274
Ion Ratio Lower Upper
153 100
152 49.4 42.1 63.1
154 88.2 71.3 106.9

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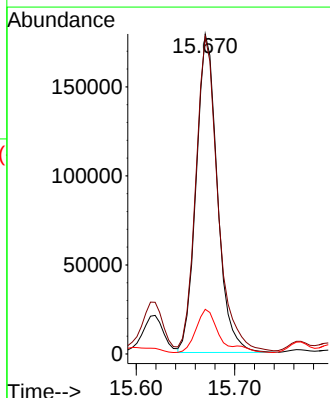
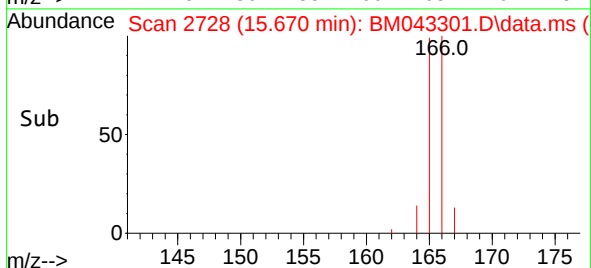
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

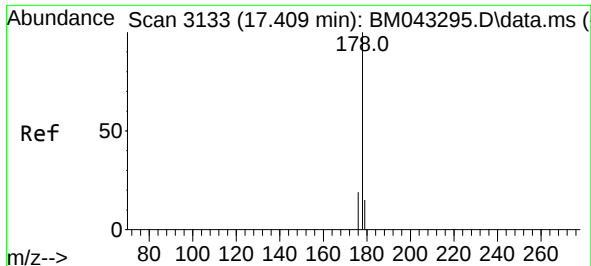


#12
Fluorene
Concen: 2.506 ng/u1
RT: 15.670 min Scan# 2728
Delta R.T. -0.005 min
Lab File: BM043301.D
Acq: 13 Dec 2023 15:01



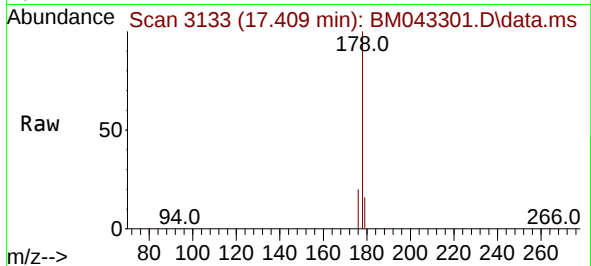
Tgt Ion:166 Resp: 266615
Ion Ratio Lower Upper
166 100
165 99.2 80.3 120.5
167 13.9 10.8 16.2





#15
Phenanthrene
Concen: 13.711 ng/u1
RT: 17.409 min Scan# 3133
Delta R.T. 0.000 min
Lab File: BM043301.D
Acq: 13 Dec 2023 15:01

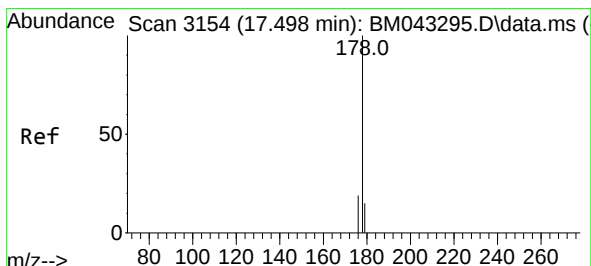
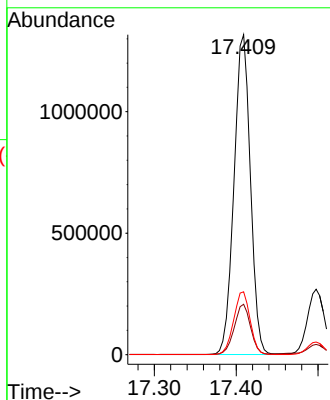
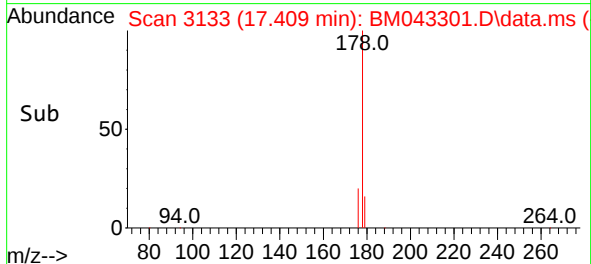
Instrument :
BNA_M
ClientSampleId :
P-13(10-15)RE



Tgt Ion:178 Resp: 182917
Ion Ratio Lower Upper
178 100
179 15.8 12.4 18.6
176 19.7 16.2 24.2

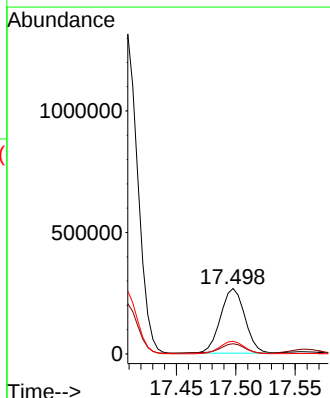
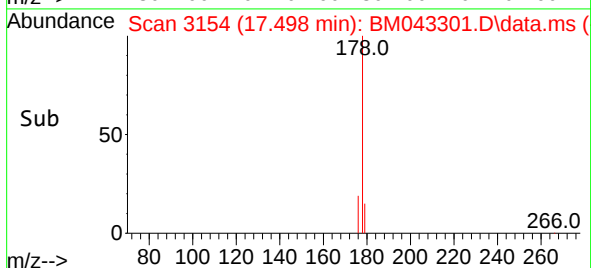
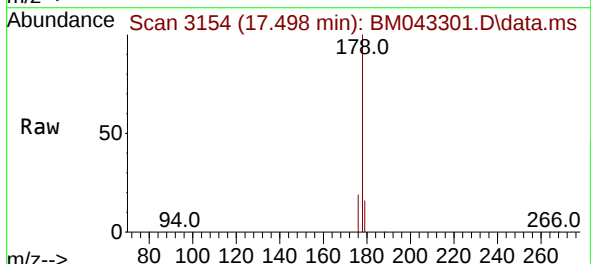
Manual Integrations
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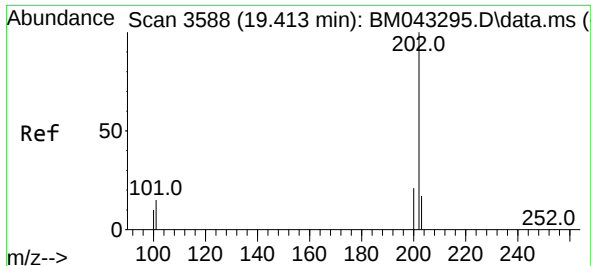
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#16
Anthracene
Concen: 3.152 ng/u1
RT: 17.498 min Scan# 3154
Delta R.T. -0.004 min
Lab File: BM043301.D
Acq: 13 Dec 2023 15:01

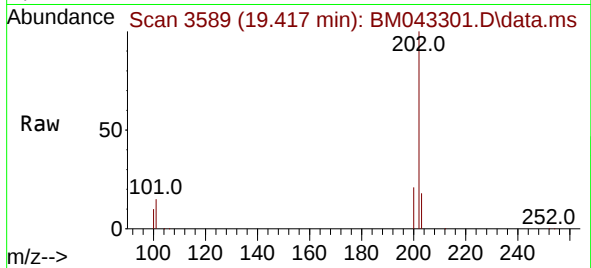
Tgt Ion:178 Resp: 382021
Ion Ratio Lower Upper
178 100
179 15.6 12.6 18.8
176 19.2 15.6 23.4





#19
Fluoranthene
Concen: 5.713 ng/u1
RT: 19.417 min Scan# 3589
Delta R.T. 0.000 min
Lab File: BM043301.D
Acq: 13 Dec 2023 15:01

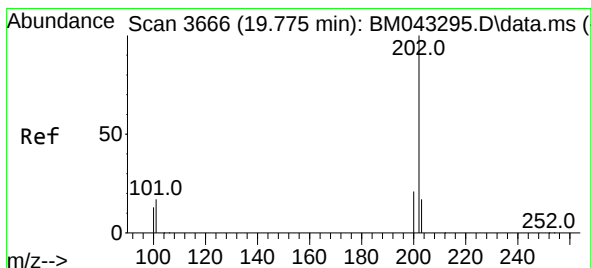
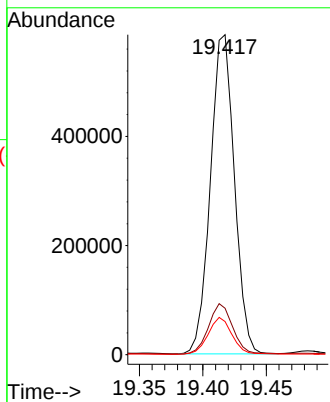
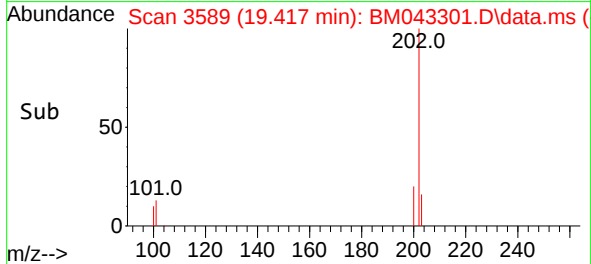
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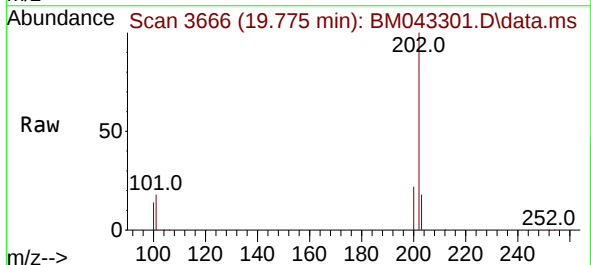
Tgt Ion:202 Resp: 770050
Ion Ratio Lower Upper
202 100
101 14.5 10.1 15.1
100 10.3 7.4 11.2

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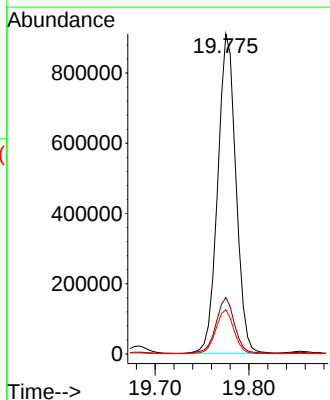
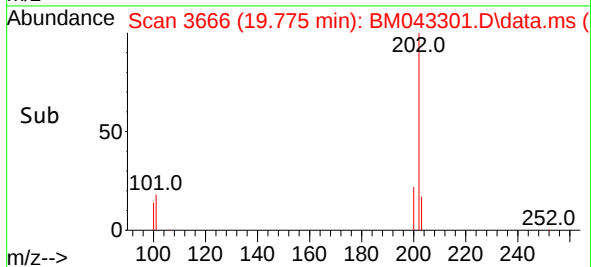
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

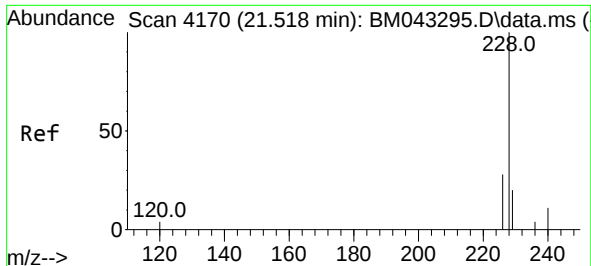


#20
Pyrene
Concen: 9.157 ng/u1
RT: 19.775 min Scan# 3666
Delta R.T. 0.000 min
Lab File: BM043301.D
Acq: 13 Dec 2023 15:01



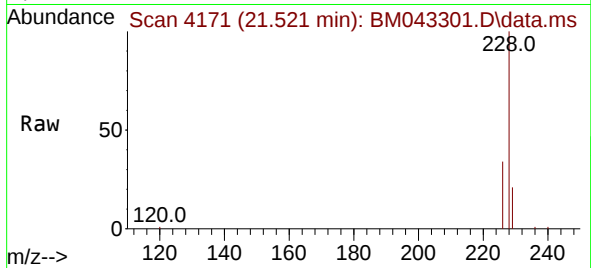
Tgt Ion:202 Resp: 1225427
Ion Ratio Lower Upper
202 100
101 17.6 12.7 19.1
100 13.9 9.8 14.8





#21
Benzo(a)anthracene
Concen: 3.677 ng/u1
RT: 21.521 min Scan# 4171
Delta R.T. 0.003 min
Lab File: BM043301.D
Acq: 13 Dec 2023 15:01

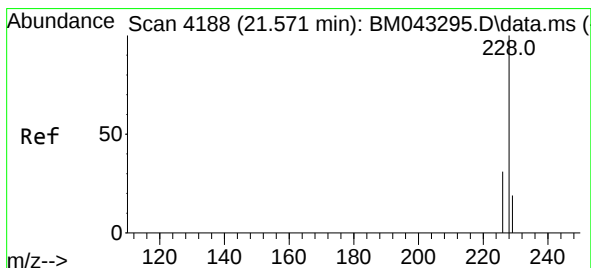
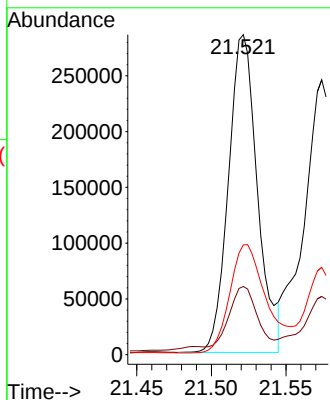
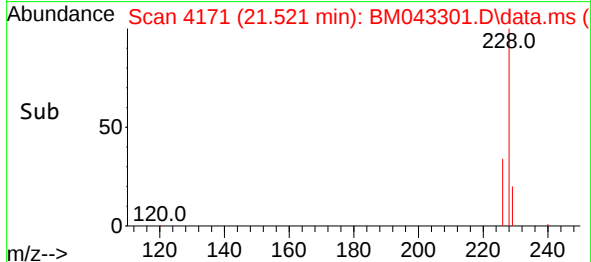
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Tgt Ion:228 Resp: 385549
Ion Ratio Lower Upper
228 100
229 21.3 15.5 23.3
226 34.3 22.6 34.0

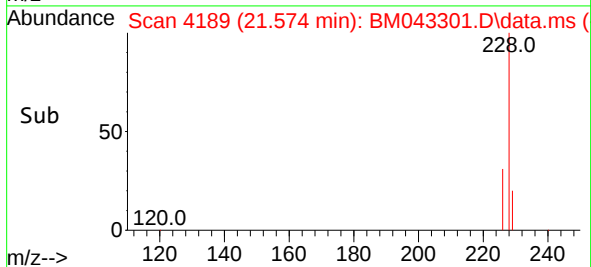
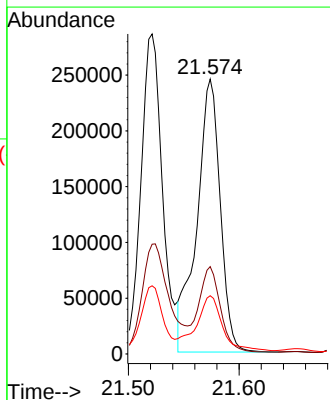
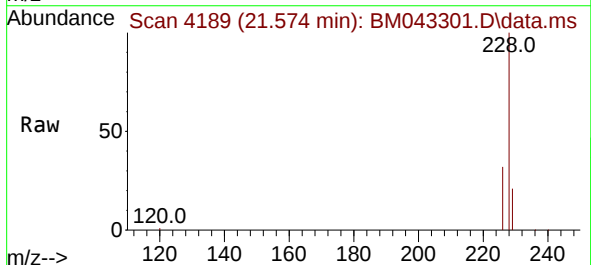
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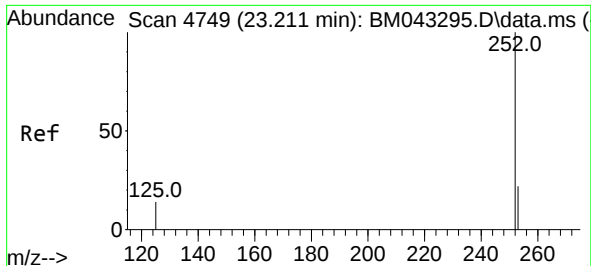
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#22
Chrysene
Concen: 3.248 ng/u1
RT: 21.574 min Scan# 4189
Delta R.T. 0.003 min
Lab File: BM043301.D
Acq: 13 Dec 2023 15:01

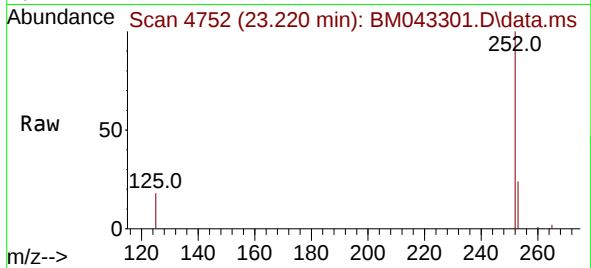
Tgt Ion:228 Resp: 359669
Ion Ratio Lower Upper
228 100
226 31.8 24.8 37.2
229 21.2 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 2.509 ng/ul
RT: 23.220 min Scan# 4752
Delta R.T. 0.006 min
Lab File: BM043301.D
Acq: 13 Dec 2023 15:01

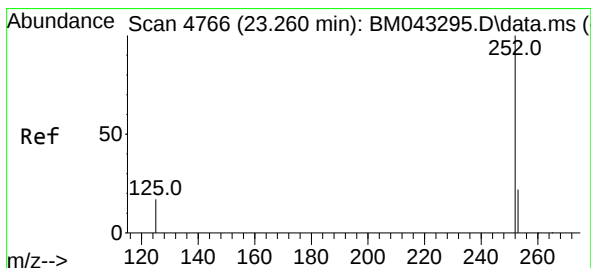
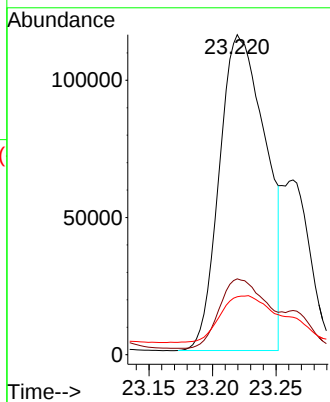
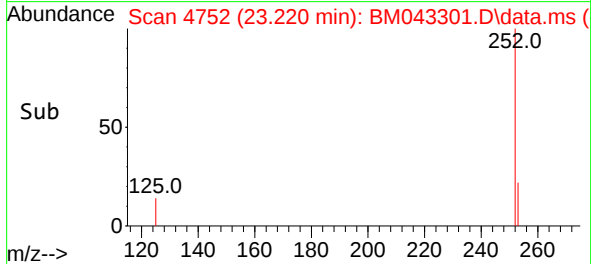
Instrument :
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P-13(10-15)RE



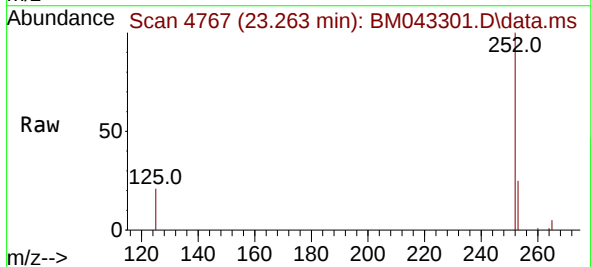
Tgt Ion:252 Resp: 29106
Ion Ratio Lower Upper
252 100
253 23.7 0.0 48.8
125 18.1 0.0 29.2

Manual Integrations
APPROVED

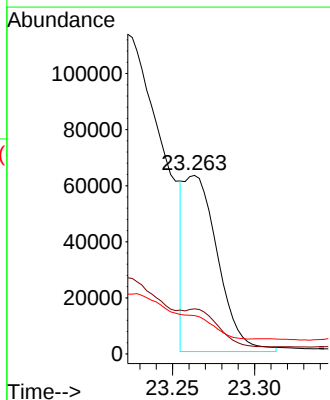
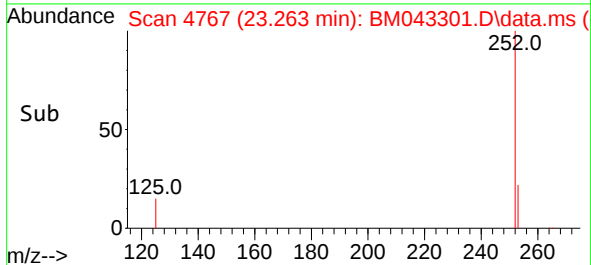
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

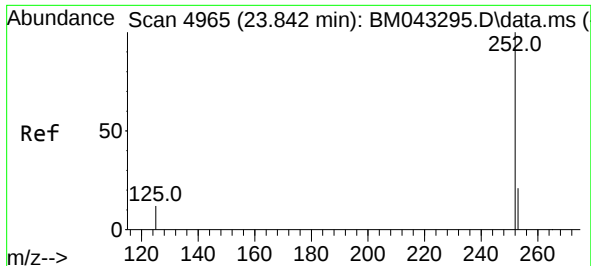


#25
Benzo(k)fluoranthene
Concen: 0.745 ng/ul m
RT: 23.263 min Scan# 4767
Delta R.T. 0.000 min
Lab File: BM043301.D
Acq: 13 Dec 2023 15:01



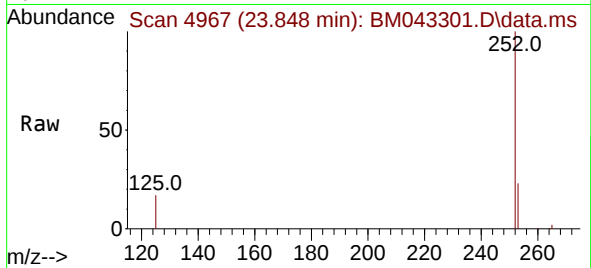
Tgt Ion:252 Resp: 89577
Ion Ratio Lower Upper
252 100
253 25.3 18.6 28.0
125 21.5 11.8 17.8#





#26
Benzo(a)pyrene
Concen: 3.080 ng/ul
RT: 23.848 min Scan# 4965
Delta R.T. 0.003 min
Lab File: BM043301.D
Acq: 13 Dec 2023 15:01

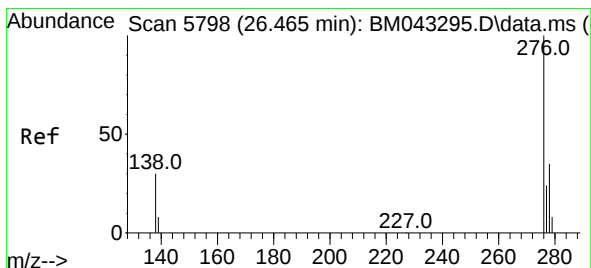
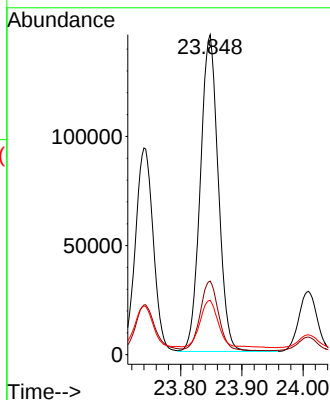
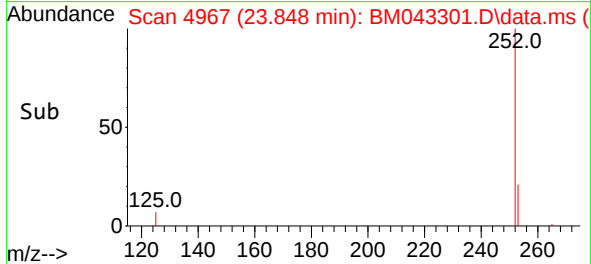
Instrument :
BNA_M
ClientSampleId :
P-13(10-15)RE



Tgt Ion:252 Resp: 294699
Ion Ratio Lower Upper
252 100
253 23.0 20.2 30.2
125 17.0 13.5 20.3

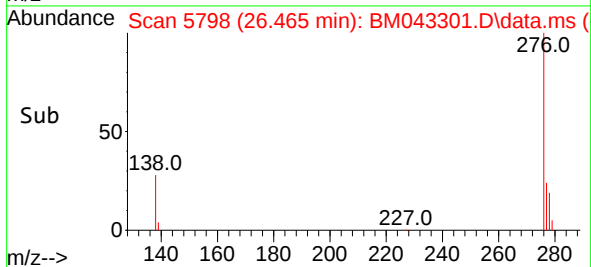
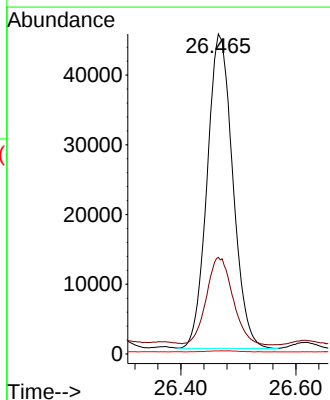
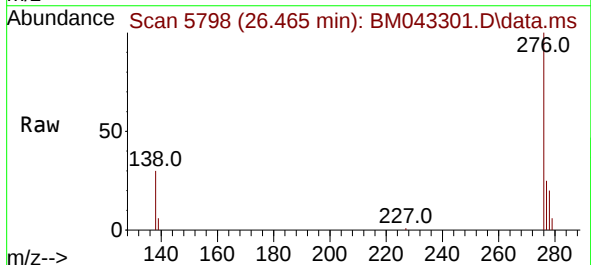
Manual Integrations
APPROVED

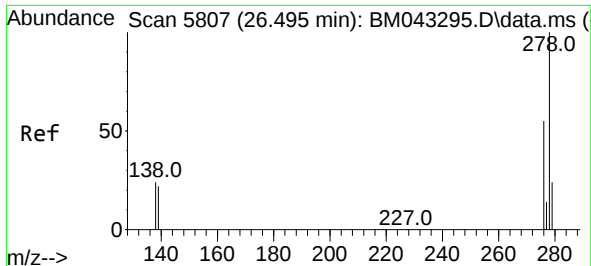
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.281 ng/ul
RT: 26.465 min Scan# 5798
Delta R.T. -0.006 min
Lab File: BM043301.D
Acq: 13 Dec 2023 15:01

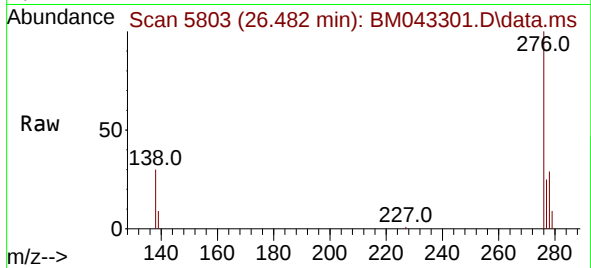
Tgt Ion:276 Resp: 139601
Ion Ratio Lower Upper
276 100
138 28.8 24.6 36.8
227 0.4 0.0 0.0





#28
Dibenzo(a,h)anthracene
Concen: 0.469 ng/ul
RT: 26.482 min Scan# 5803
Delta R.T. -0.020 min
Lab File: BM043301.D
Acq: 13 Dec 2023 15:01

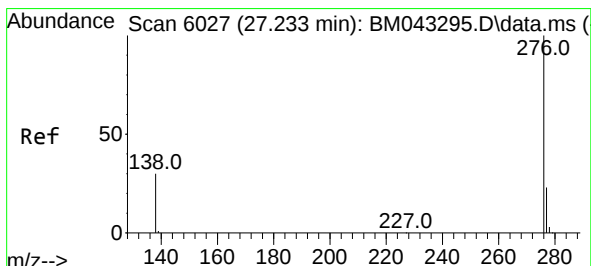
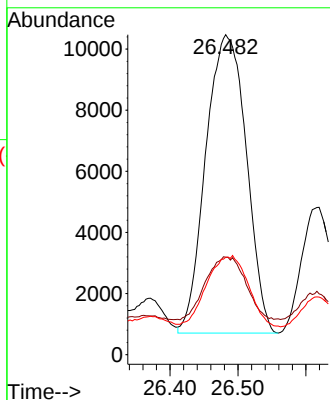
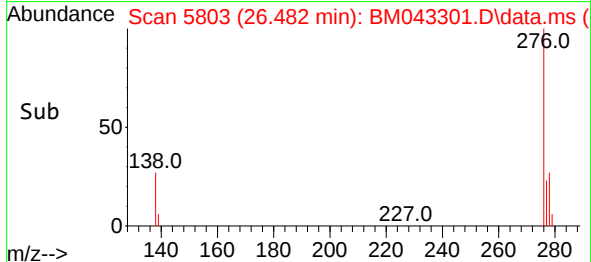
Instrument :
BNA_M
ClientSampleId :
P-13(10-15)RE



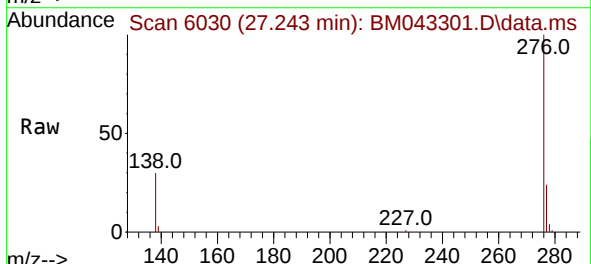
Tgt Ion:278 Resp: 4053
Ion Ratio Lower Upper
278 100
139 30.4 17.4 26.2
279 30.5 20.9 31.3

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 1.766 ng/ul
RT: 27.243 min Scan# 6030
Delta R.T. 0.004 min
Lab File: BM043301.D
Acq: 13 Dec 2023 15:01



Tgt Ion:276 Resp: 164294
Ion Ratio Lower Upper
276 100
138 30.0 23.1 34.7
277 24.0 19.4 29.0

