

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049184.D
 Acq On : 24 Dec 2024 14:44
 Operator : RC/JU
 Sample : P5333-14
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2916

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/25/2024
 Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 24 21:40:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 18 15:33:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.548	152	7325	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.310	136	22693	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.188	164	12752	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.934	188	28936m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.137	240	25383m	0.400	ng/ul	0.00
23) Perylene-d12	23.294	264	25411m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.143	96	30420	3.601	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.910	152	7006	0.230	ng/ul	-0.02
18) Fluoranthene-d10	18.970	212	14377m	0.200	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.359	128	11658	0.205	ng/ul	98
7) 2-Methylnaphthalene	11.987	142	8447	0.235	ng/ul	98
8) 1-Methylnaphthalene	12.207	142	3622	0.098	ng/ul	98
10) Acenaphthylene	13.901	152	5746	0.109	ng/ul#	93
11) Acenaphthene	14.248	153	3037	0.079	ng/ul	98
12) Fluorene	15.242	166	3000	0.069	ng/ul#	95
15) Phenanthrene	16.977	178	71263m	0.943	ng/ul	
16) Anthracene	17.065	178	16061m	0.232	ng/ul	
19) Fluoranthene	19.002	202	202796m	2.210	ng/ul	
20) Pyrene	19.365	202	190926m	1.951	ng/ul	
21) Benzo(a)anthracene	21.122	228	140176m	1.588	ng/ul	
22) Chrysene	21.175	228	158172m	1.669	ng/ul	
24) Benzo(b)fluoranthene	22.653	252	254496m	3.135	ng/ul	
25) Benzo(k)fluoranthene	22.694	252	92000m	1.033	ng/ul	
26) Benzo(a)pyrene	23.200	252	181825m	2.335	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.427	276	138986m	1.261	ng/ul	
28) Dibenzo(a,h)anthracene	25.437	278	32881m	0.384	ng/ul	
29) Benzo(g,h,i)perylene	26.077	276	149678m	1.689	ng/ul	

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

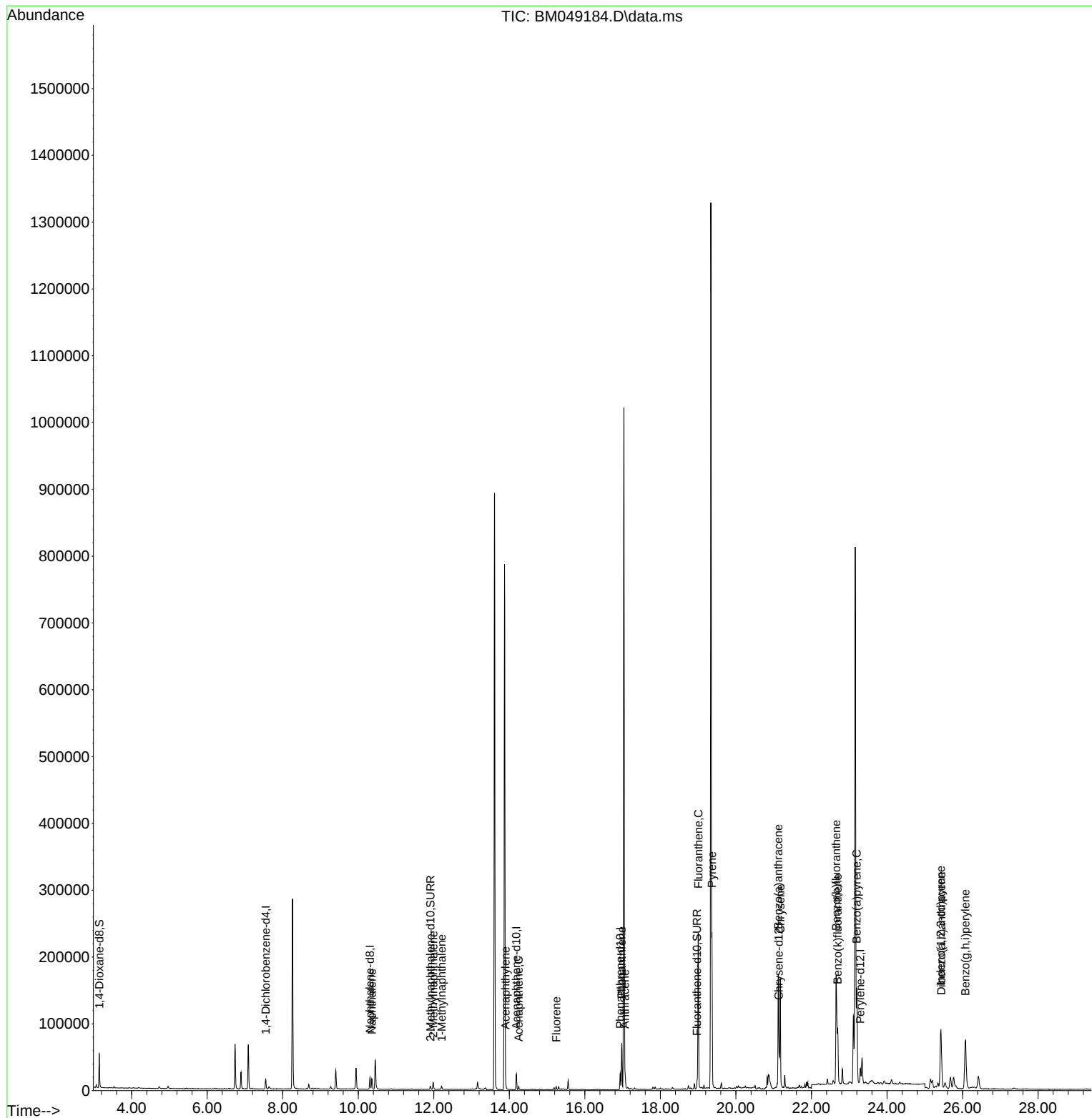
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
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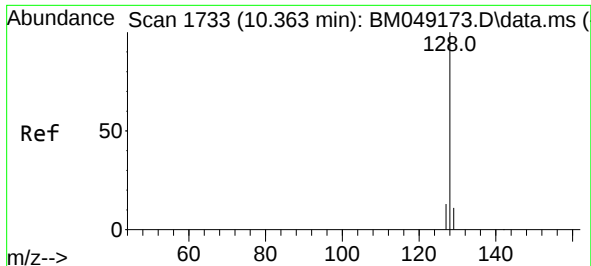
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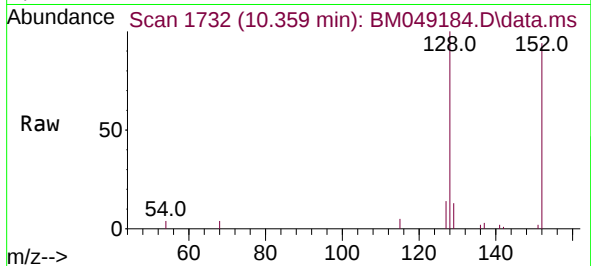
Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024





#5
Naphthalene
Concen: 0.205 ng/ul
RT: 10.359 min Scan# 1732
Delta R.T. -0.021 min
Lab File: BM049184.D
Acq: 24 Dec 2024 14:44

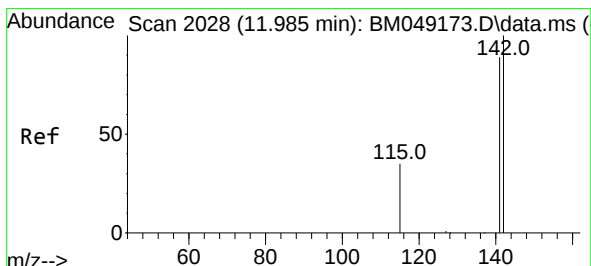
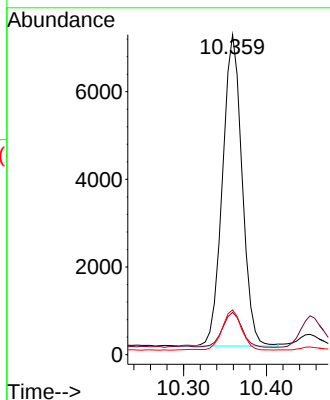
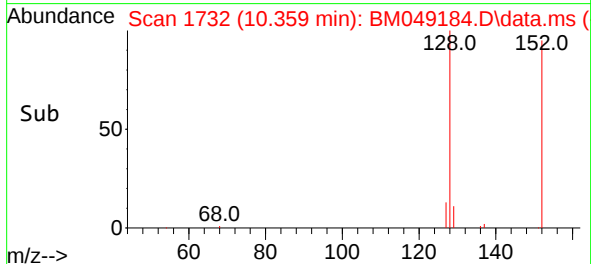
Instrument :
BNA_M
ClientSampleId :
E2916



Tgt Ion:128 Resp: 11658
Ion Ratio Lower Upper
128 100
129 13.2 9.7 14.5
127 14.0 10.6 16.0

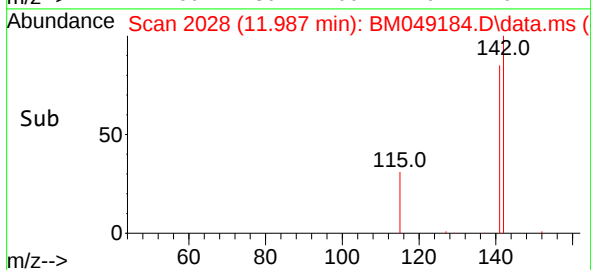
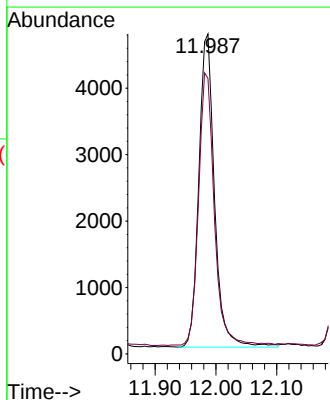
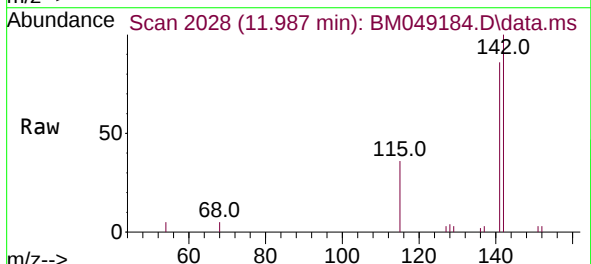
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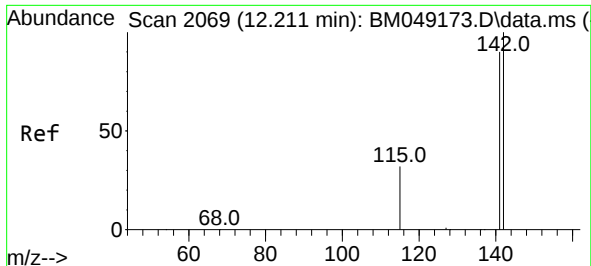
Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



#7
2-Methylnaphthalene
Concen: 0.235 ng/ul
RT: 11.987 min Scan# 2028
Delta R.T. -0.015 min
Lab File: BM049184.D
Acq: 24 Dec 2024 14:44

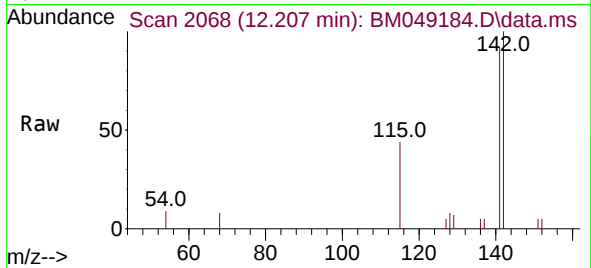
Tgt Ion:142 Resp: 8447
Ion Ratio Lower Upper
142 100
141 87.8 71.7 107.5





#8
1-Methylnaphthalene
Concen: 0.098 ng/u1
RT: 12.207 min Scan# 2068
Delta R.T. -0.015 min
Lab File: BM049184.D
Acq: 24 Dec 2024 14:44

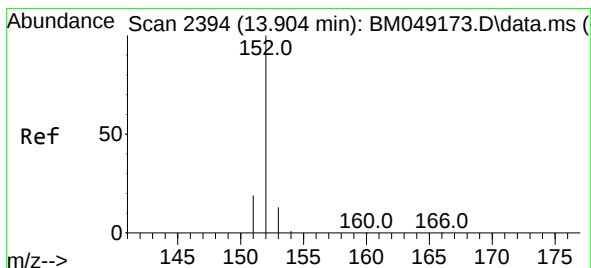
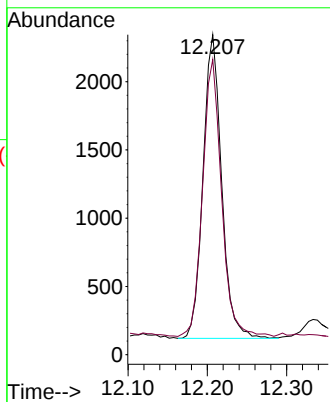
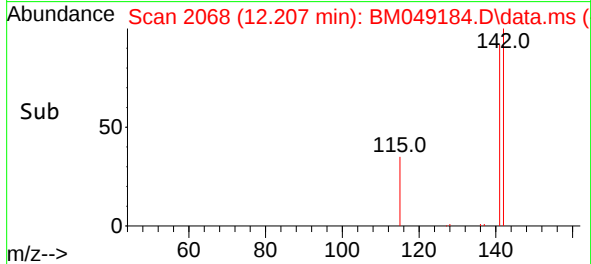
Instrument :
BNA_M
ClientSampleId :
E2916



Tgt Ion:142 Resp: 362
Ion Ratio Lower Upper
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141 92.8 72.7 109.1

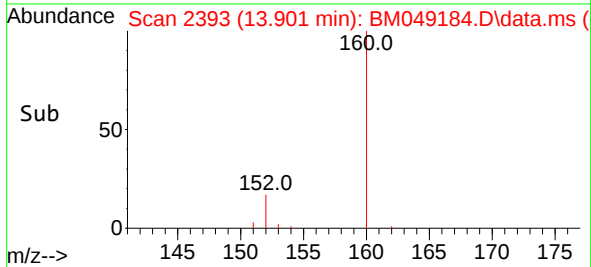
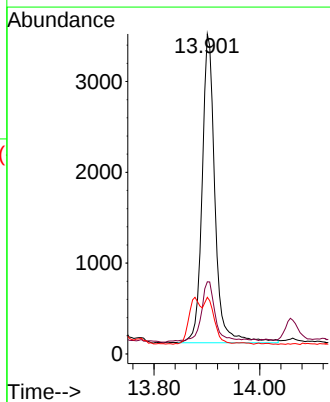
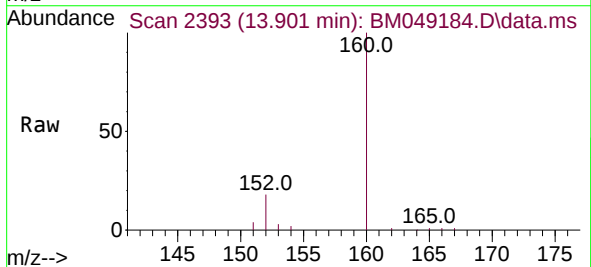
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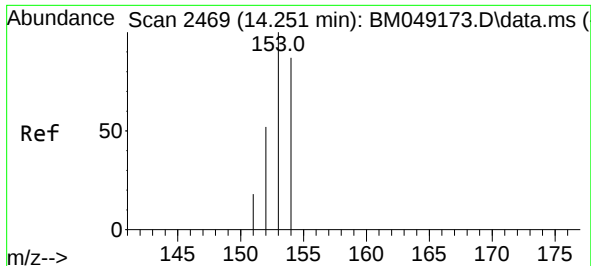
Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



#10
Acenaphthylene
Concen: 0.109 ng/u1
RT: 13.901 min Scan# 2393
Delta R.T. -0.017 min
Lab File: BM049184.D
Acq: 24 Dec 2024 14:44

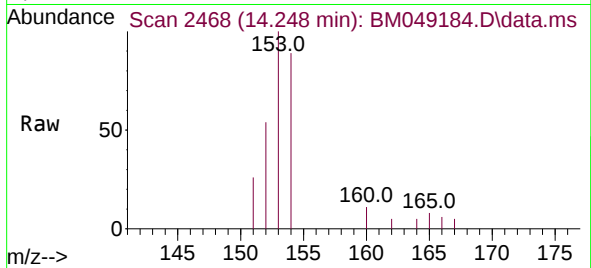
Tgt Ion:152 Resp: 5746
Ion Ratio Lower Upper
152 100
151 22.6 16.0 24.0
153 17.7 11.0 16.6#





#11
Acenaphthene
Concen: 0.079 ng/u1
RT: 14.248 min Scan# 2468
Delta R.T. -0.017 min
Lab File: BM049184.D
Acq: 24 Dec 2024 14:44

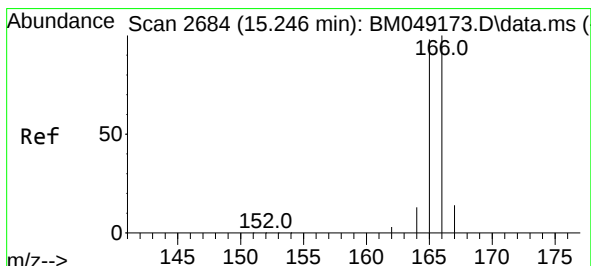
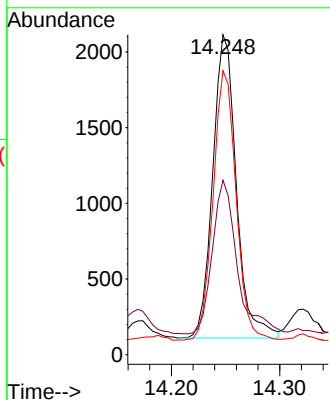
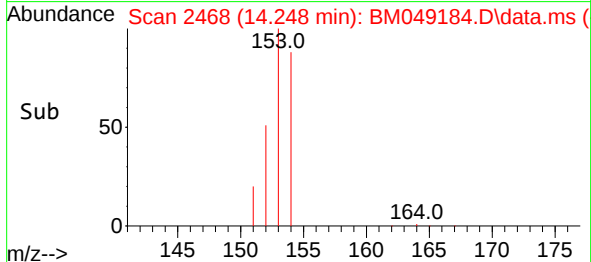
Instrument :
BNA_M
ClientSampleId :
E2916



Tgt Ion:153 Resp: 303
Ion Ratio Lower Upper
153 100
152 54.5 40.7 61.1
154 88.7 70.8 106.2

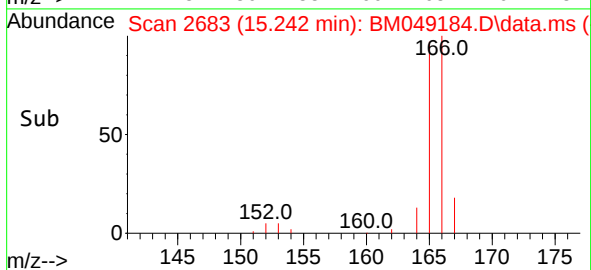
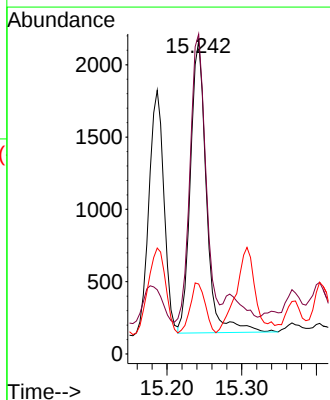
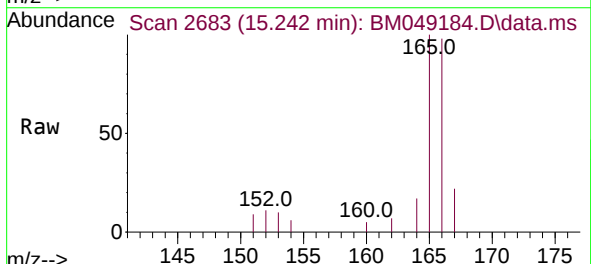
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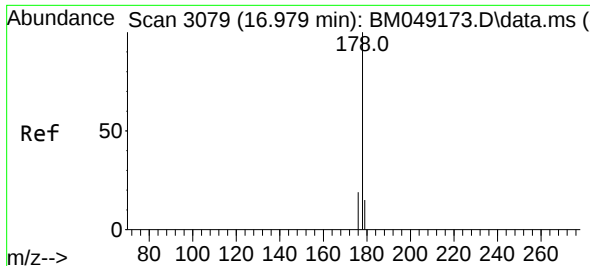
Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



#12
Fluorene
Concen: 0.069 ng/u1
RT: 15.242 min Scan# 2683
Delta R.T. -0.013 min
Lab File: BM049184.D
Acq: 24 Dec 2024 14:44

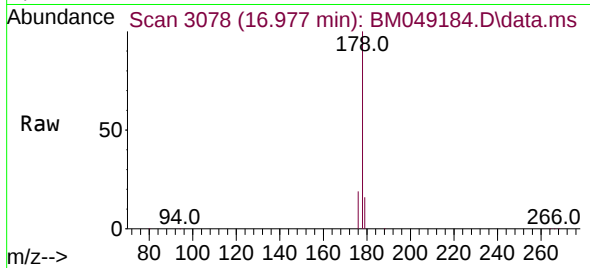
Tgt Ion:166 Resp: 3000
Ion Ratio Lower Upper
166 100
165 102.2 79.7 119.5
167 22.4 11.4 17.0#





#15
Phenanthrene
Concen: 0.943 ng/ul m
RT: 16.977 min Scan# 3078
Delta R.T. -0.016 min
Lab File: BM049184.D
Acq: 24 Dec 2024 14:44

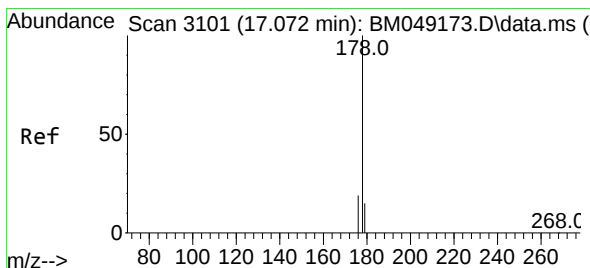
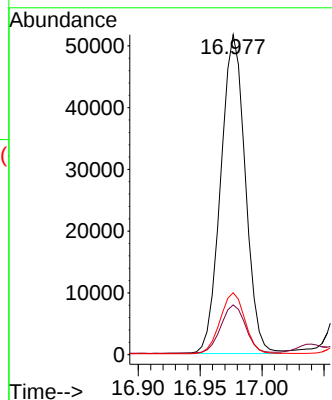
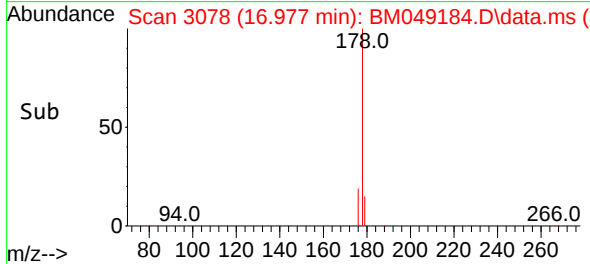
Instrument :
BNA_M
ClientSampleId :
E2916



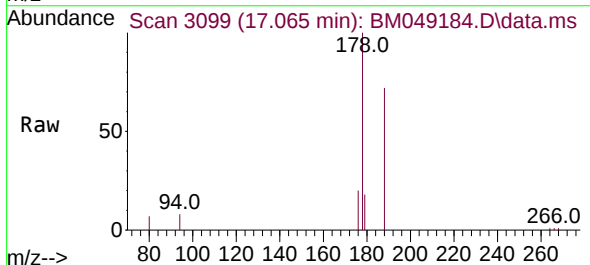
Tgt Ion:178 Resp: 7126
Ion Ratio Lower Upper
178 100
179 15.6 13.0 19.4
176 19.4 16.2 24.2

Manual Integrations
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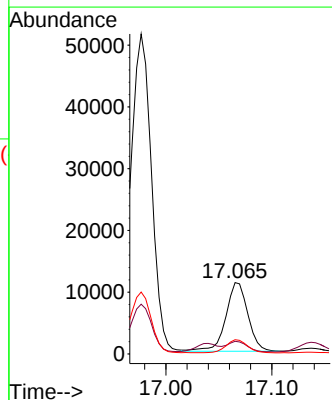
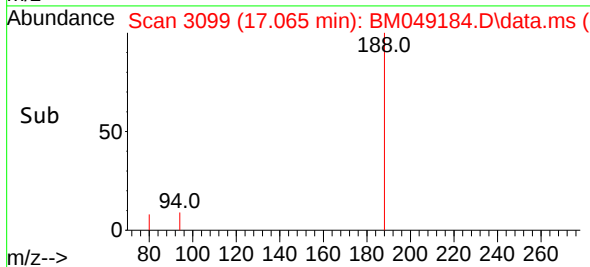
Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024

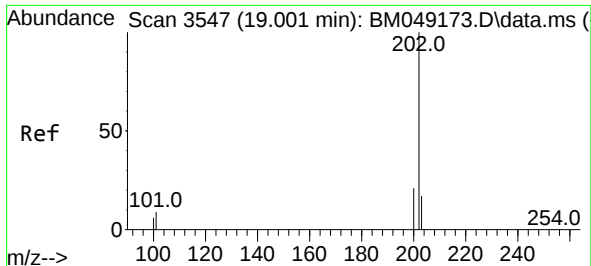


#16
Anthracene
Concen: 0.232 ng/ul m
RT: 17.065 min Scan# 3099
Delta R.T. -0.020 min
Lab File: BM049184.D
Acq: 24 Dec 2024 14:44



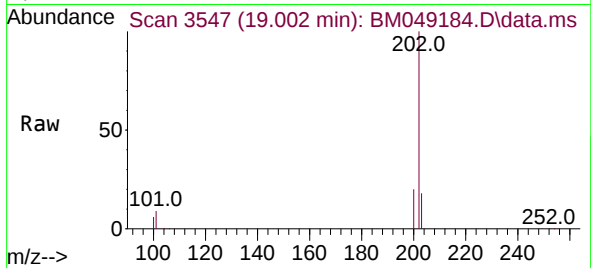
Tgt Ion:178 Resp: 16061
Ion Ratio Lower Upper
178 100
179 17.8 12.9 19.3
176 19.9 15.3 22.9





#19
Fluoranthene
Concen: 2.210 ng/ul m
RT: 19.002 min Scan# 3547
Delta R.T. -0.013 min
Lab File: BM049184.D
Acq: 24 Dec 2024 14:44

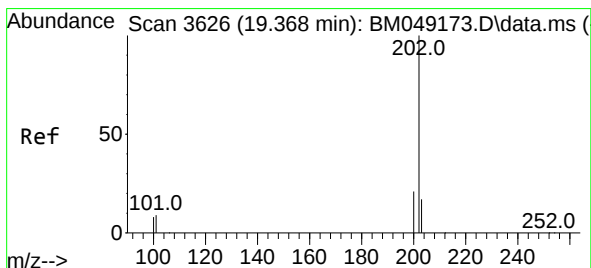
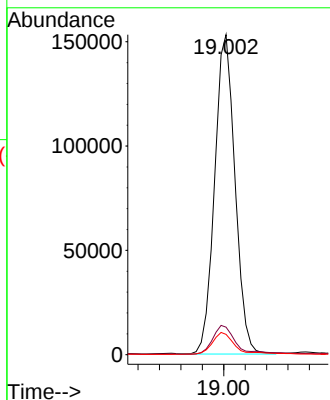
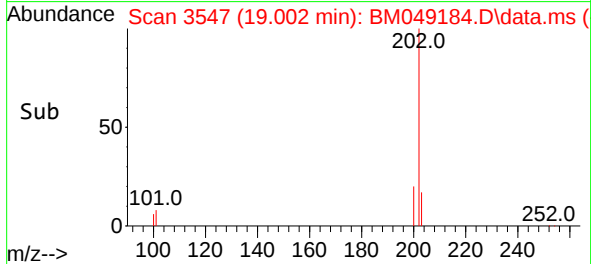
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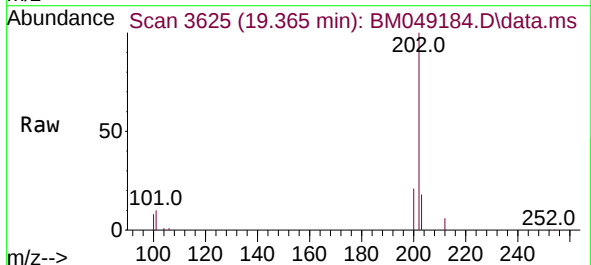
Tgt Ion:202 Resp: 202790
Ion Ratio Lower Upper
202 100
101 8.6 7.6 11.4
100 6.4 5.5 8.3

Manual Integrations
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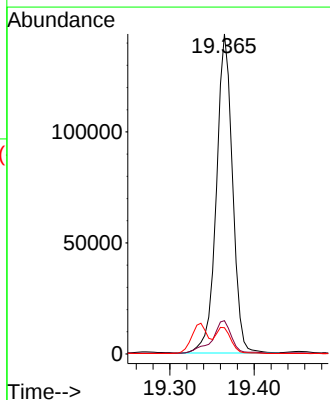
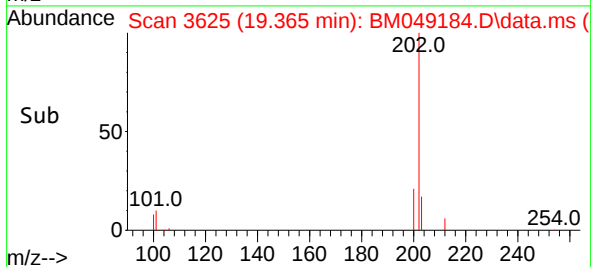
Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024

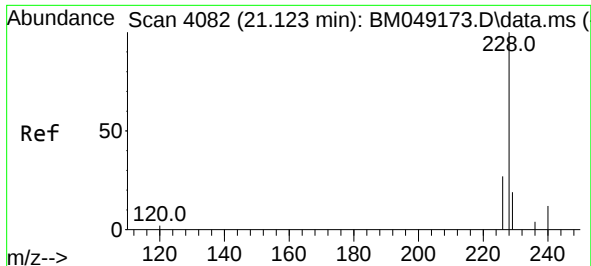


#20
Pyrene
Concen: 1.951 ng/ul m
RT: 19.365 min Scan# 3625
Delta R.T. -0.013 min
Lab File: BM049184.D
Acq: 24 Dec 2024 14:44



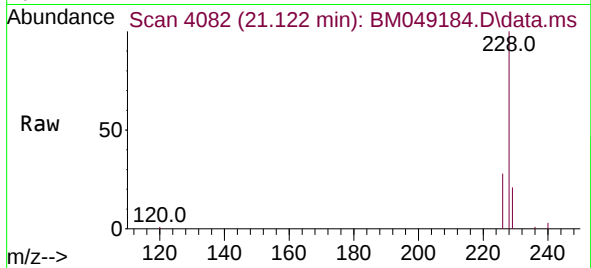
Tgt Ion:202 Resp: 190926
Ion Ratio Lower Upper
202 100
101 10.4 8.9 13.3
100 8.2 6.9 10.3





#21
Benzo(a)anthracene
Concen: 1.588 ng/ul m
RT: 21.122 min Scan# 4082
Delta R.T. -0.009 min
Lab File: BM049184.D
Acq: 24 Dec 2024 14:44

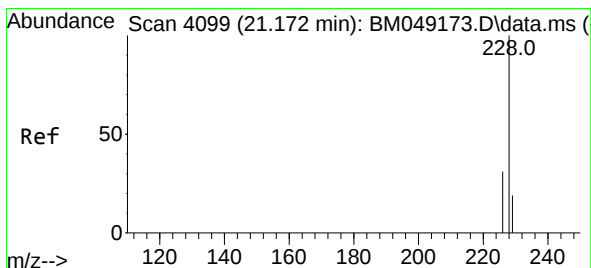
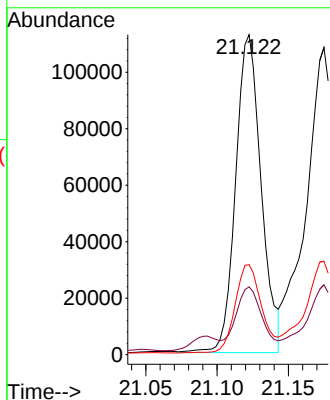
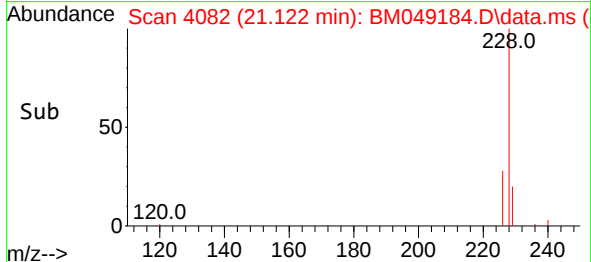
Instrument :
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E2916



Tgt Ion:228 Resp: 140170
Ion Ratio Lower Upper
228 100
229 21.2 15.9 23.9
226 28.1 22.6 34.0

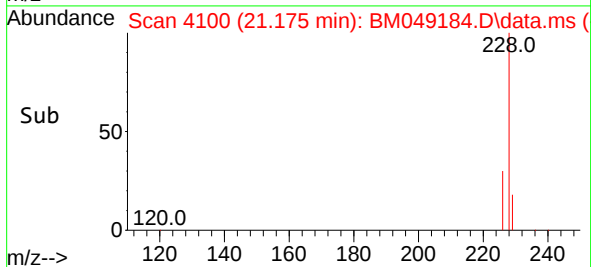
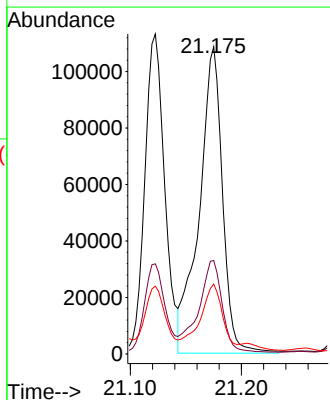
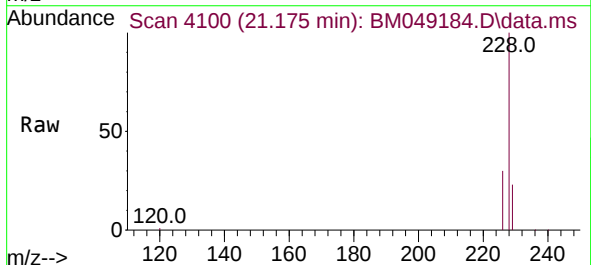
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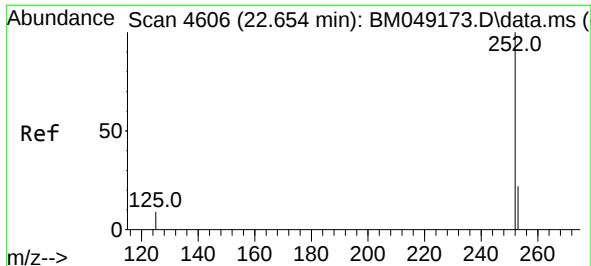
Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



#22
Chrysene
Concen: 1.669 ng/ul m
RT: 21.175 min Scan# 4100
Delta R.T. -0.009 min
Lab File: BM049184.D
Acq: 24 Dec 2024 14:44

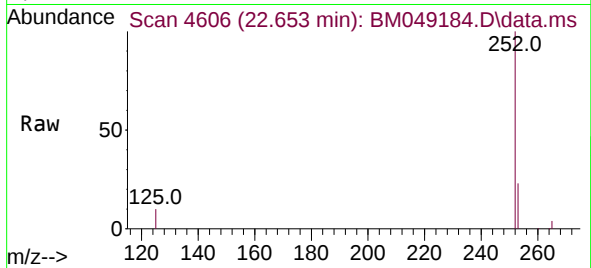
Tgt Ion:228 Resp: 158172
Ion Ratio Lower Upper
228 100
226 30.4 24.1 36.1
229 22.8 15.8 23.8





#24
Benzo(b)fluoranthene
Concen: 3.135 ng/ul m
RT: 22.653 min Scan# 4606
Delta R.T. -0.009 min
Lab File: BM049184.D
Acq: 24 Dec 2024 14:44

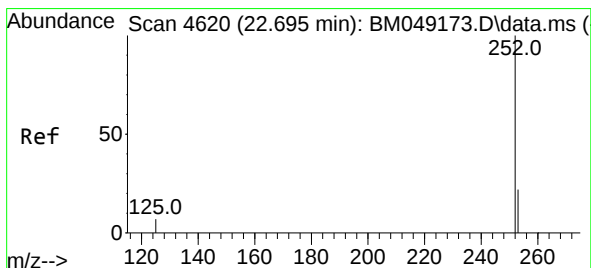
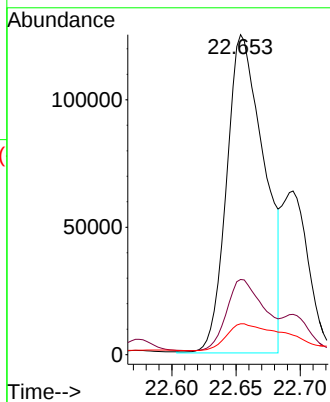
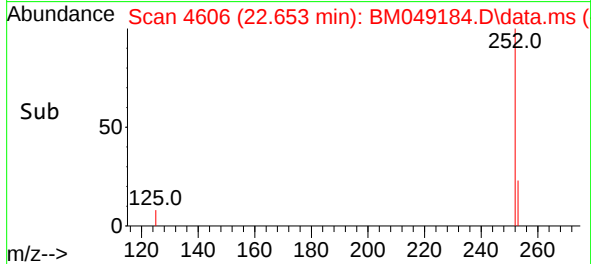
Instrument :
BNA_M
ClientSampleId :
E2916



Tgt Ion:252 Resp: 254490
Ion Ratio Lower Upper
252 100
253 23.5 0.0 52.6
125 9.6 0.0 30.8

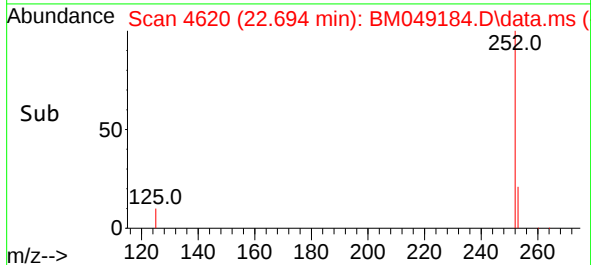
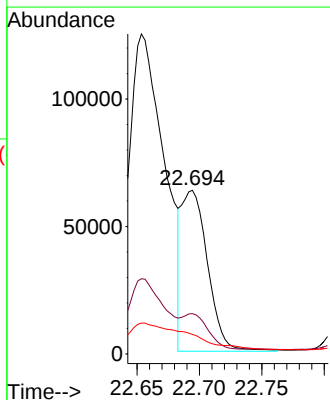
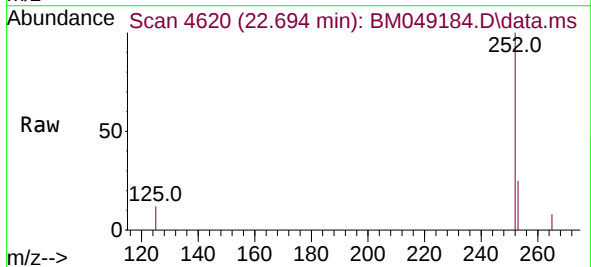
Manual Integrations
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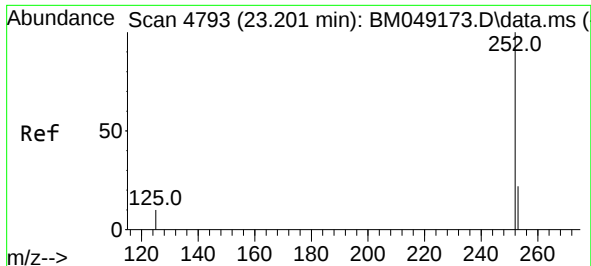
Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



#25
Benzo(k)fluoranthene
Concen: 1.033 ng/ul m
RT: 22.694 min Scan# 4620
Delta R.T. -0.012 min
Lab File: BM049184.D
Acq: 24 Dec 2024 14:44

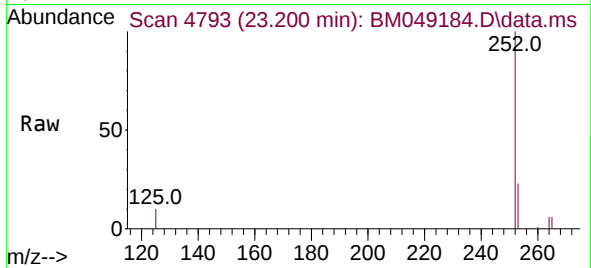
Tgt Ion:252 Resp: 92000
Ion Ratio Lower Upper
252 100
253 24.6 21.3 31.9
125 12.0 12.6 18.8#





#26
Benzo(a)pyrene
Concen: 2.335 ng/ul m
RT: 23.200 min Scan# 4793
Delta R.T. -0.009 min
Lab File: BM049184.D
Acq: 24 Dec 2024 14:44

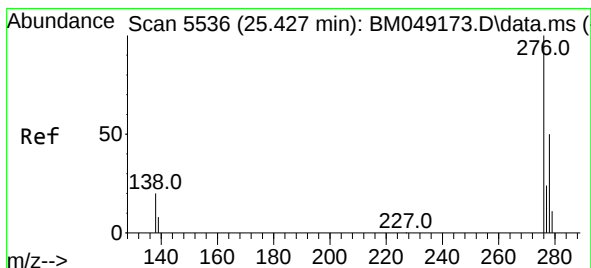
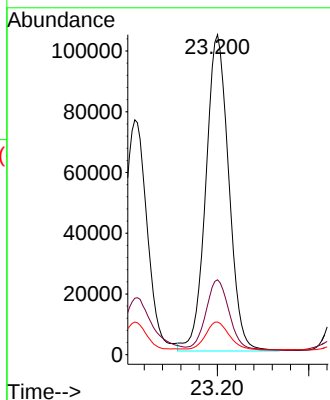
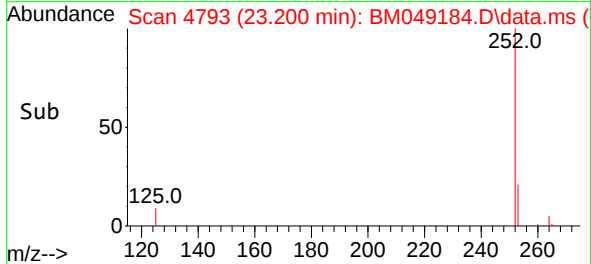
Instrument :
BNA_M
ClientSampleId :
E2916



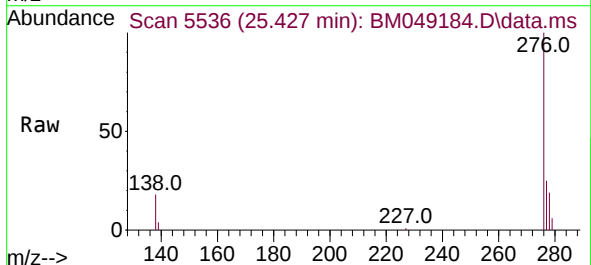
Tgt Ion:252 Resp: 181825
Ion Ratio Lower Upper
252 100
253 23.4 22.4 33.6
125 10.2 14.8 22.2

Manual Integrations
APPROVED

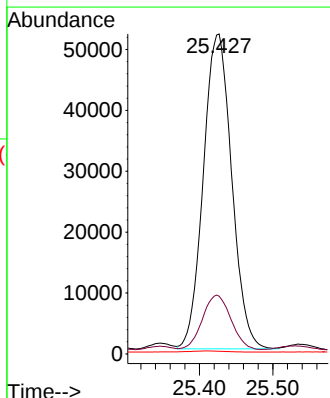
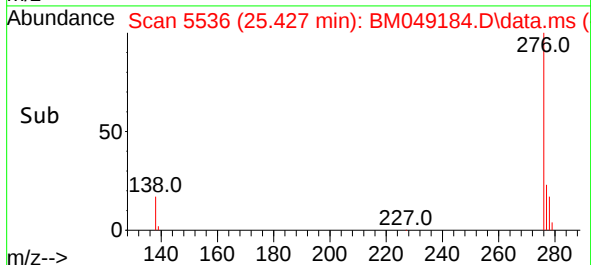
Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024

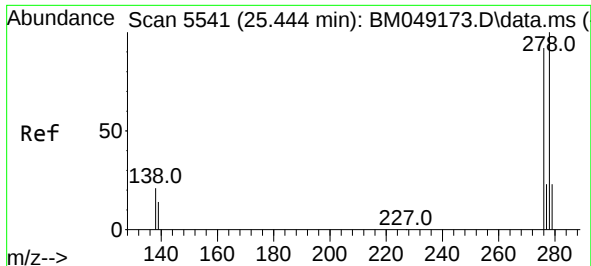


#27
Indeno(1,2,3-cd)pyrene
Concen: 1.261 ng/ul m
RT: 25.427 min Scan# 5536
Delta R.T. -0.020 min
Lab File: BM049184.D
Acq: 24 Dec 2024 14:44



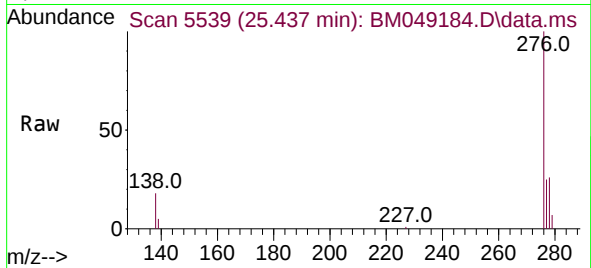
Tgt Ion:276 Resp: 138986
Ion Ratio Lower Upper
276 100
138 1.9 17.4 26.2#
227 0.0 0.2 0.2#





#28
Dibenzo(a,h)anthracene
Concen: 0.384 ng/ul m
RT: 25.437 min Scan# 51
Delta R.T. -0.031 min
Lab File: BM049184.D
Acq: 24 Dec 2024 14:44

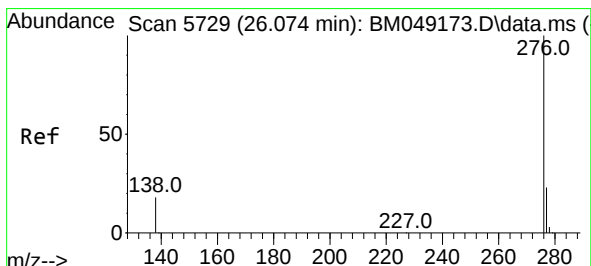
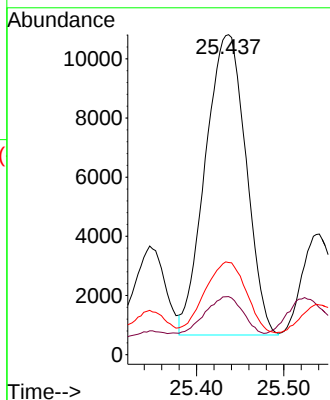
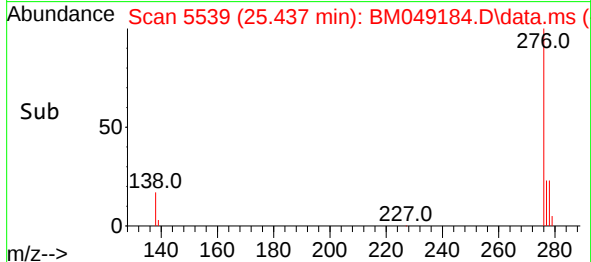
Instrument :
BNA_M
ClientSampleId :
E2916



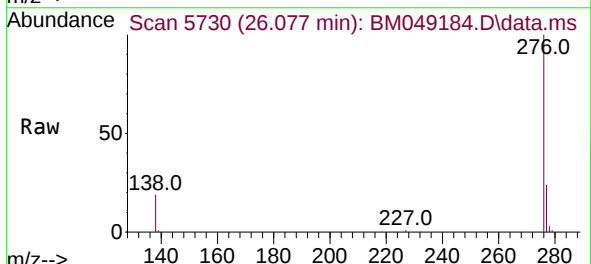
Tgt Ion:278 Resp: 3288
Ion Ratio Lower Upper
278 100
139 18.2 13.5 20.3
279 28.8 21.5 32.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



#29
Benzo(g,h,i)perylene
Concen: 1.689 ng/ul m
RT: 26.077 min Scan# 5730
Delta R.T. -0.017 min
Lab File: BM049184.D
Acq: 24 Dec 2024 14:44



Tgt Ion:276 Resp: 149678
Ion Ratio Lower Upper
276 100
138 18.8 16.7 25.1
277 24.1 19.9 29.9

