

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049211.D
 Acq On : 25 Dec 2024 07:56
 Operator : RC/JU
 Sample : P5333-17
 Misc :
 ALS Vial : 77 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2919

Manual Integrations
 APPROVED

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

Quant Time: Dec 25 21:52:10 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	7328	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.308	136	23030	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.182	164	13054	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.933	188	30049m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.134	240	24465m	0.400	ng/ul	-0.01
23) Perylene-d12	23.288	264	27269m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.138	96	31142	3.685	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.903	152	7000	0.226	ng/ul	-0.02
18) Fluoranthene-d10	18.968	212	13038m	0.188	ng/ul	-0.01
Target Compounds						Qvalue
5) Naphthalene	10.358	128	20058	0.348	ng/ul	99
7) 2-Methylnaphthalene	11.980	142	16807	0.460	ng/ul	99
8) 1-Methylnaphthalene	12.200	142	7335	0.196	ng/ul	99
10) Acenaphthylene	13.899	152	4574	0.085	ng/ul#	85
11) Acenaphthene	14.246	153	4737	0.120	ng/ul	98
12) Fluorene	15.236	166	3329	0.075	ng/ul#	91
15) Phenanthrene	16.975	178	78864m	1.005	ng/ul	
16) Anthracene	17.064	178	15696m	0.218	ng/ul	
19) Fluoranthene	18.996	202	280124m	3.167	ng/ul	
20) Pyrene	19.363	202	300938m	3.190	ng/ul	
21) Benzo(a)anthracene	21.120	228	276203m	3.246	ng/ul	
22) Chrysene	21.169	228	336425m	3.684	ng/ul	
24) Benzo(b)fluoranthene	22.651	252	616001m	7.071	ng/ul	
25) Benzo(k)fluoranthene	22.689	252	203174m	2.125	ng/ul	
26) Benzo(a)pyrene	23.195	252	459501m	5.500	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.420	276	349007m	2.952	ng/ul	
28) Dibenzo(a,h)anthracene	25.430	278	84624m	0.921	ng/ul	
29) Benzo(g,h,i)perylene	26.071	276	379244m	3.988	ng/ul	

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

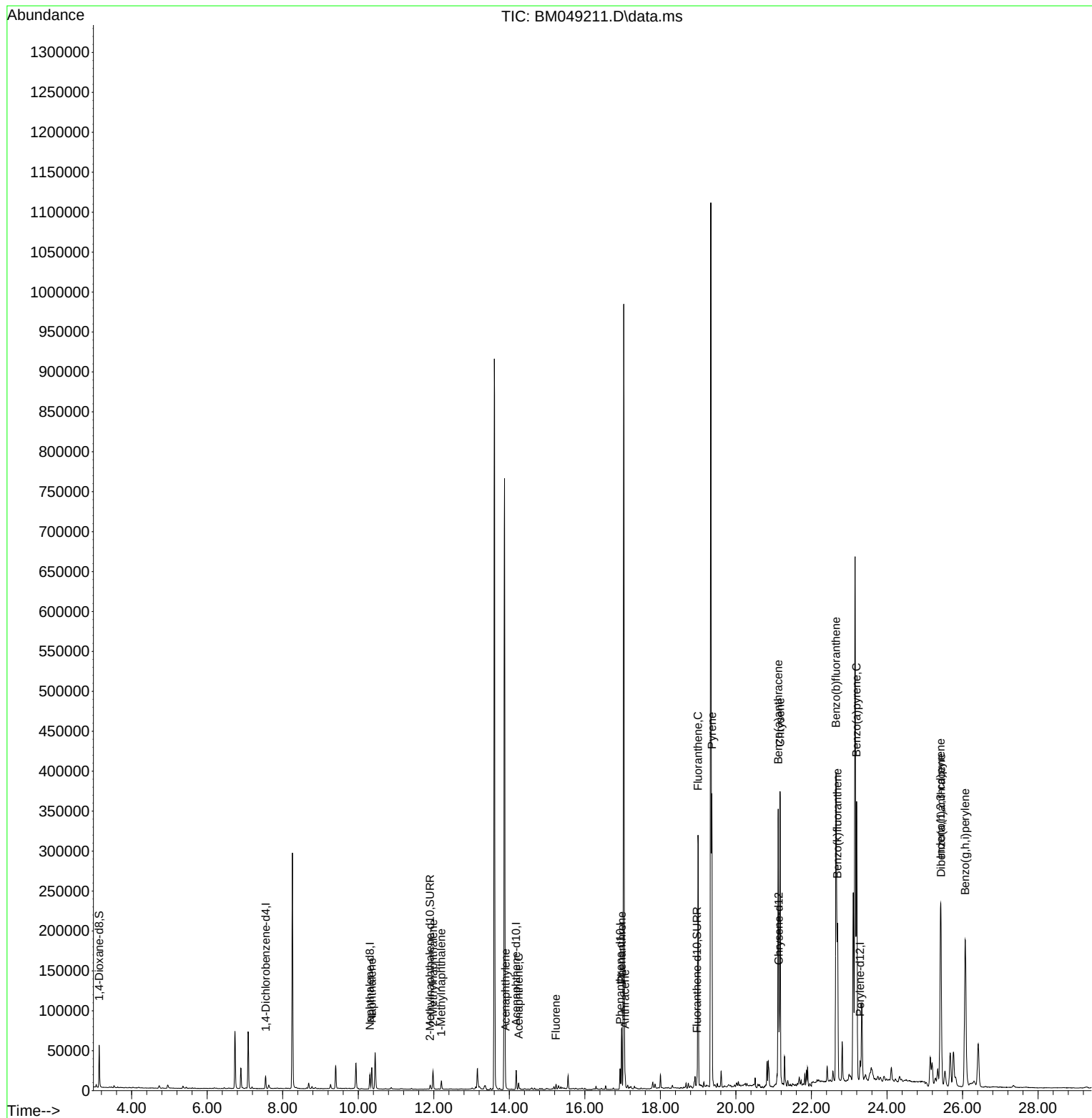
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
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ALS Vial : 77 Sample Multiplier: 1

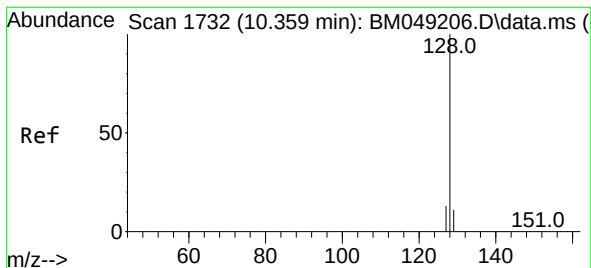
Instrument :
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Quant Time: Dec 25 21:52:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
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#5

Naphthalene

Concen: 0.348 ng/ul

RT: 10.358 min Scan# 1732

Delta R.T. -0.022 min

Lab File: BM049211.D

Acq: 25 Dec 2024 07:56

Instrument :

BNA_M

ClientSampleId :

E2919

Tgt Ion:128 Resp: 20058

Ion Ratio Lower Upper

128 100

129 11.8 9.7 14.5

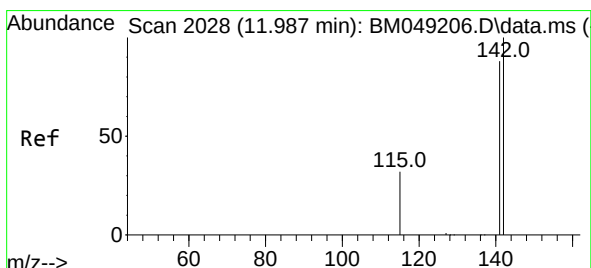
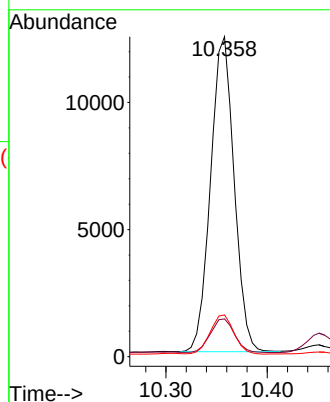
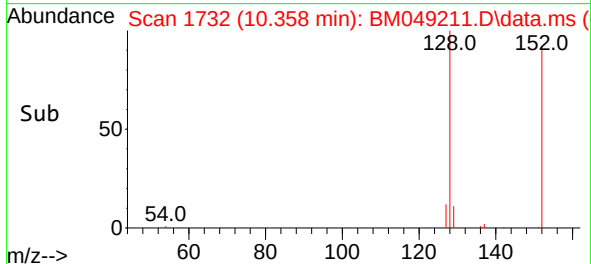
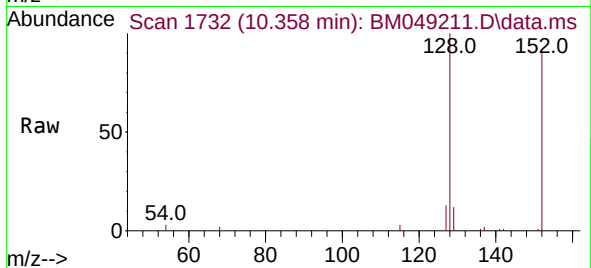
127 13.0 10.6 16.0

Manual Integrations

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#7

2-Methylnaphthalene

Concen: 0.460 ng/ul

RT: 11.980 min Scan# 2027

Delta R.T. -0.022 min

Lab File: BM049211.D

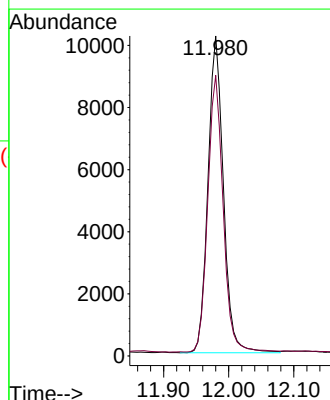
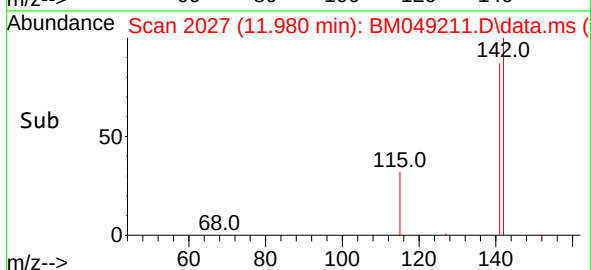
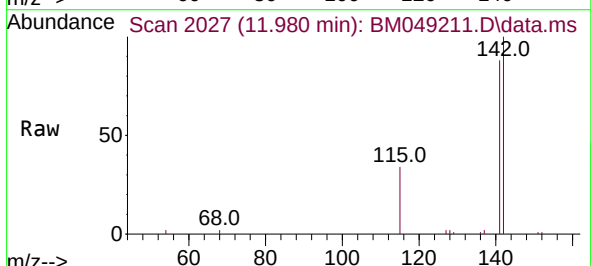
Acq: 25 Dec 2024 07:56

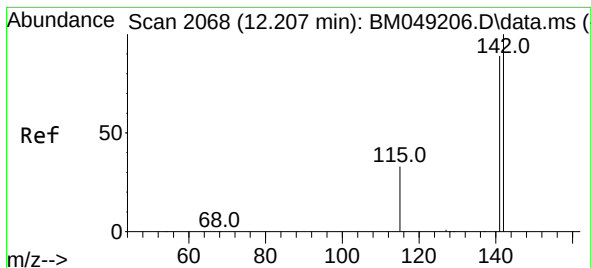
Tgt Ion:142 Resp: 16807

Ion Ratio Lower Upper

142 100

141 88.3 71.7 107.5





#8

1-Methylnaphthalene

Concen: 0.196 ng/ul

RT: 12.200 min Scan# 2068

Delta R.T. -0.022 min

Lab File: BM049211.D

Acq: 25 Dec 2024 07:56

Instrument :

BNA_M

ClientSampleId :

E2919

Tgt Ion:142 Resp: 733

Ion Ratio Lower Upper

142 100

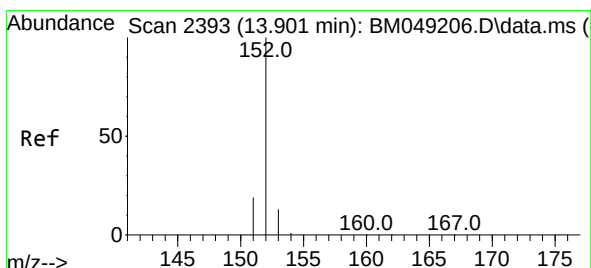
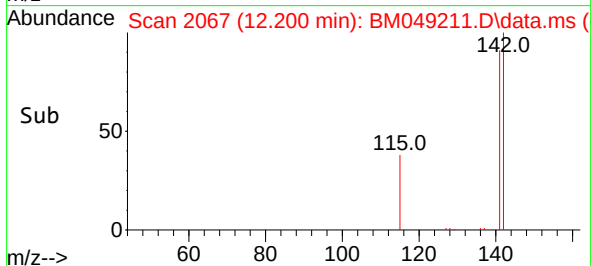
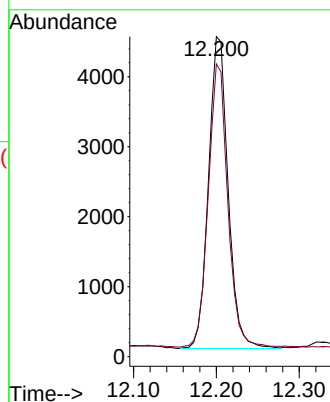
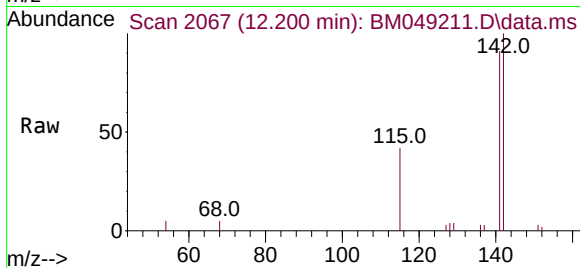
141 90.3 72.7 109.1

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#10

Acenaphthylene

Concen: 0.085 ng/ul

RT: 13.899 min Scan# 2393

Delta R.T. -0.019 min

Lab File: BM049211.D

Acq: 25 Dec 2024 07:56

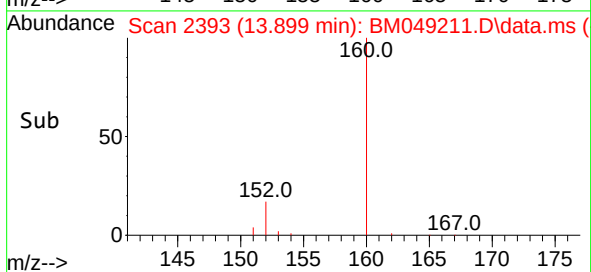
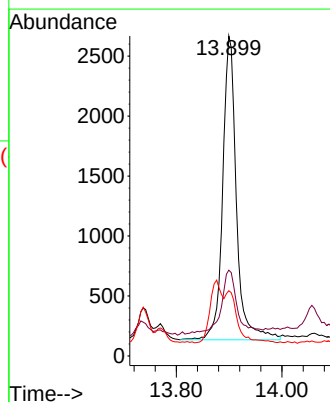
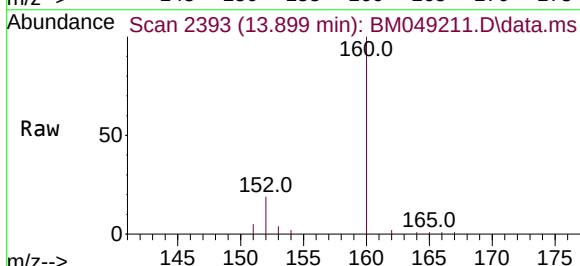
Tgt Ion:152 Resp: 4574

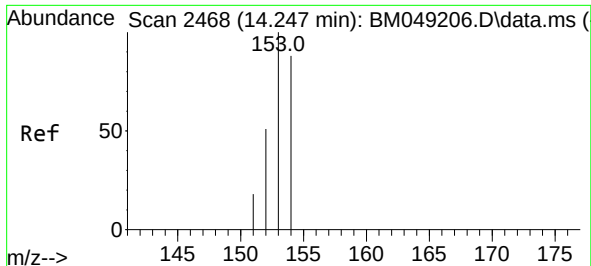
Ion Ratio Lower Upper

152 100

151 26.8 16.0 24.0#

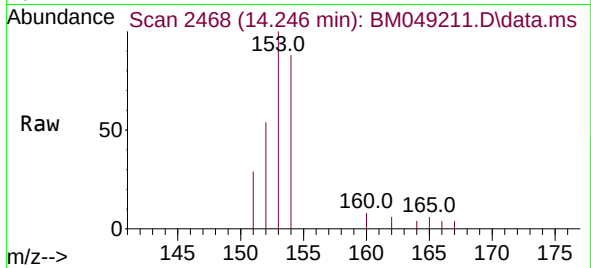
153 20.4 11.0 16.6#





#11
Acenaphthene
Concen: 0.120 ng/u1
RT: 14.246 min Scan# 2468
Delta R.T. -0.018 min
Lab File: BM049211.D
Acq: 25 Dec 2024 07:56

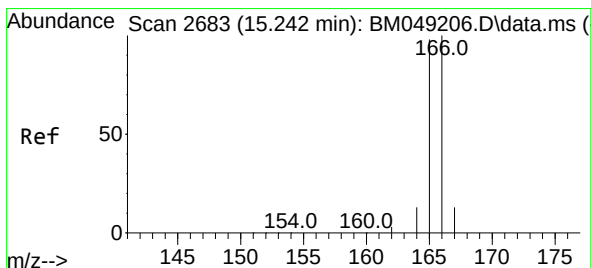
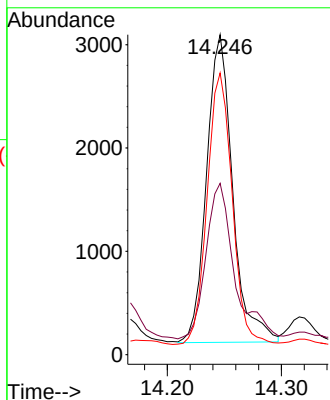
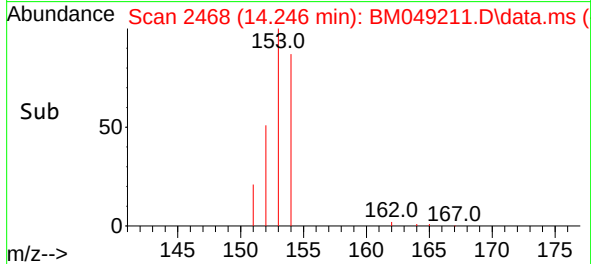
Instrument :
BNA_M
ClientSampleId :
E2919



Tgt Ion:153 Resp: 473
Ion Ratio Lower Upper
153 100
152 53.6 40.7 61.1
154 88.1 70.8 106.2

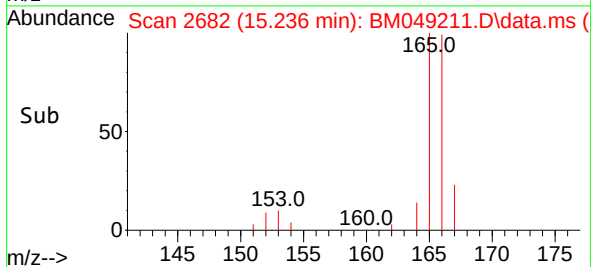
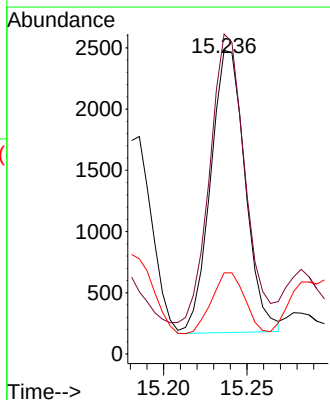
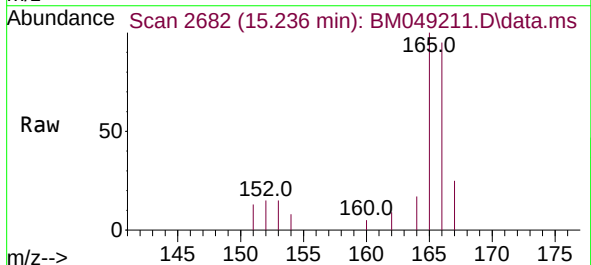
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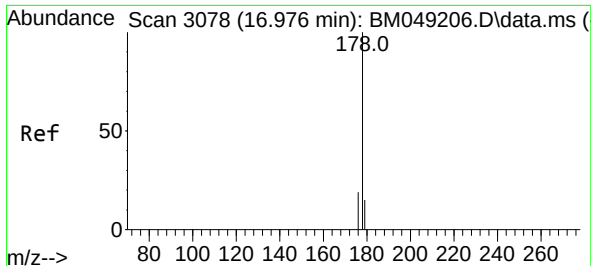
Reviewed By :Yogesh Patel 12/26/2024
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#12
Fluorene
Concen: 0.075 ng/u1
RT: 15.236 min Scan# 2682
Delta R.T. -0.019 min
Lab File: BM049211.D
Acq: 25 Dec 2024 07:56

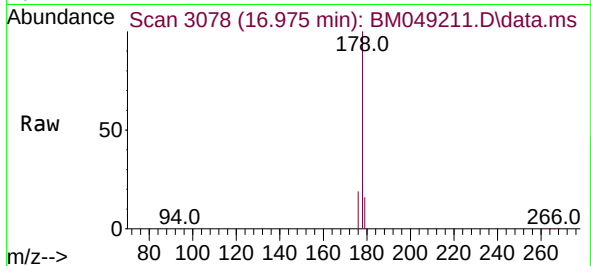
Tgt Ion:166 Resp: 3329
Ion Ratio Lower Upper
166 100
165 105.3 79.7 119.5
167 26.7 11.4 17.0#





#15
Phenanthrene
Concen: 1.005 ng/ul m
RT: 16.975 min Scan# 3078
Delta R.T. -0.017 min
Lab File: BM049211.D
Acq: 25 Dec 2024 07:56

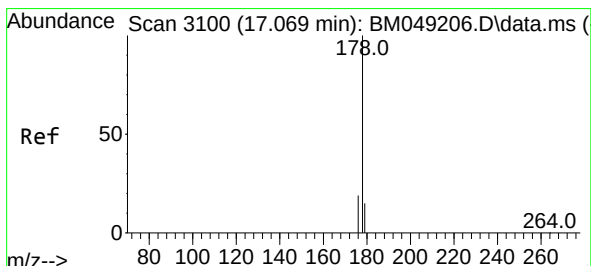
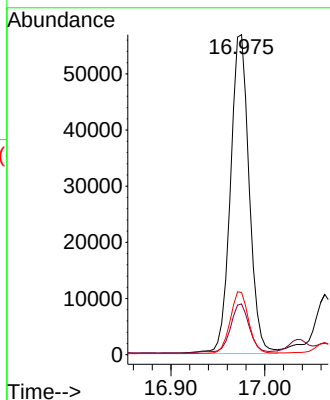
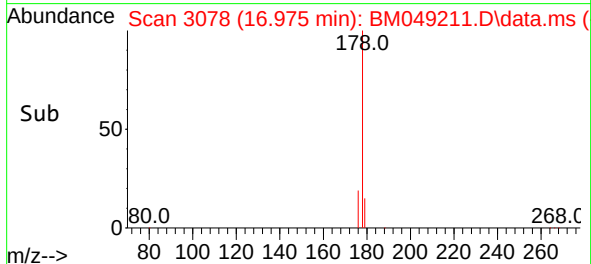
Instrument :
BNA_M
ClientSampleId :
E2919



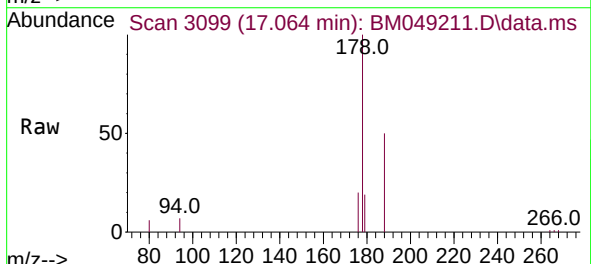
Tgt Ion:178 Resp: 78864
Ion Ratio Lower Upper
178 100
179 15.9 13.0 19.4
176 19.4 16.2 24.2

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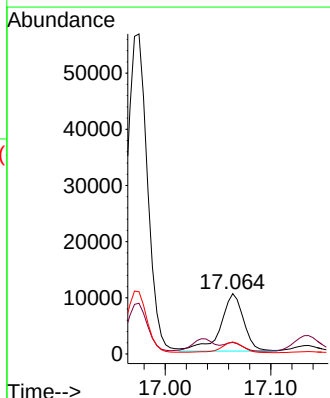
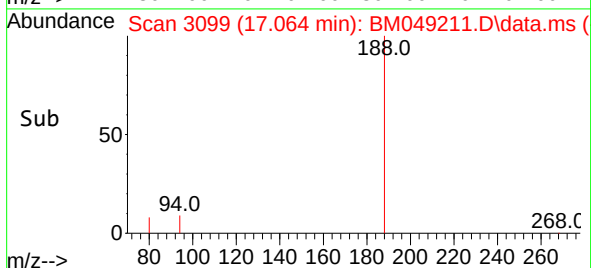
Reviewed By :Yogesh Patel 12/26/2024
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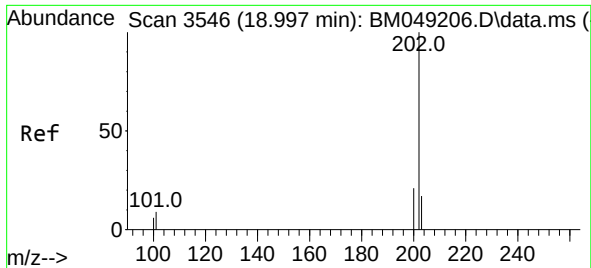


#16
Anthracene
Concen: 0.218 ng/ul m
RT: 17.064 min Scan# 3099
Delta R.T. -0.021 min
Lab File: BM049211.D
Acq: 25 Dec 2024 07:56



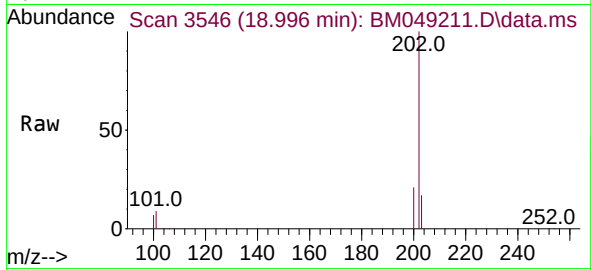
Tgt Ion:178 Resp: 15696
Ion Ratio Lower Upper
178 100
179 19.0 12.9 19.3
176 19.9 15.3 22.9





#19
Fluoranthene
Concen: 3.167 ng/ul m
RT: 18.996 min Scan# 3546
Delta R.T. -0.019 min
Lab File: BM049211.D
Acq: 25 Dec 2024 07:56

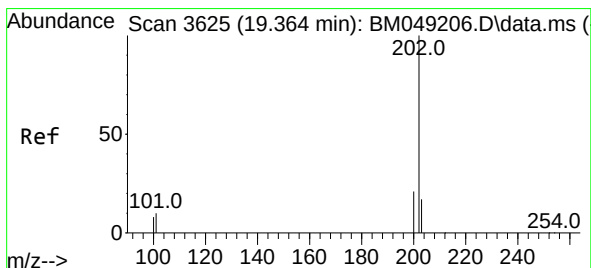
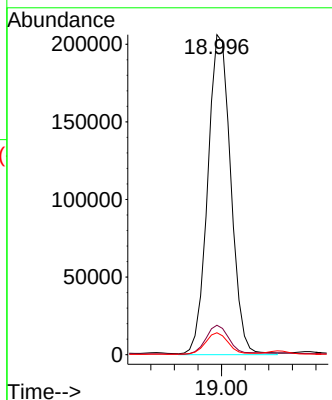
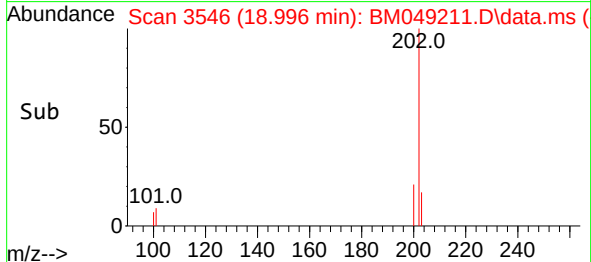
Instrument :
BNA_M
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E2919



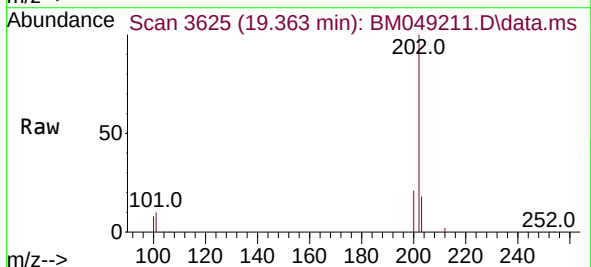
Tgt Ion:202 Resp: 280124
Ion Ratio Lower Upper
202 100
101 9.2 7.6 11.4
100 6.8 5.5 8.3

Manual Integrations
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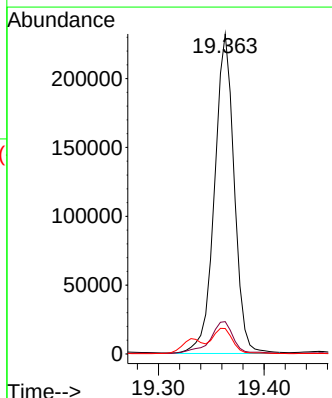
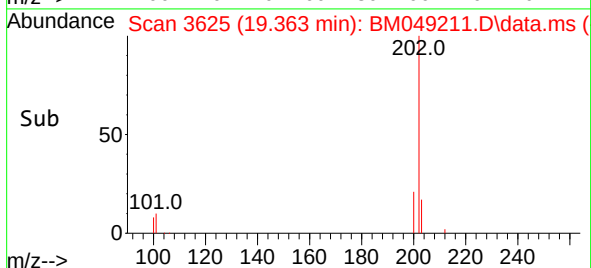
Reviewed By :Yogesh Patel 12/26/2024
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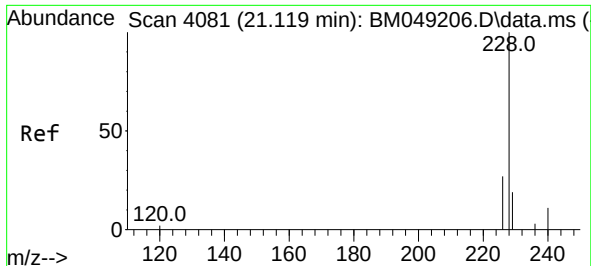


#20
Pyrene
Concen: 3.190 ng/ul m
RT: 19.363 min Scan# 3625
Delta R.T. -0.014 min
Lab File: BM049211.D
Acq: 25 Dec 2024 07:56



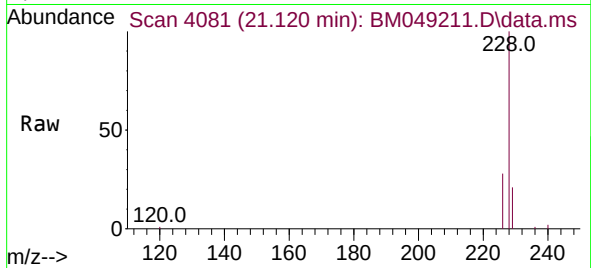
Tgt Ion:202 Resp: 300938
Ion Ratio Lower Upper
202 100
101 10.1 8.9 13.3
100 7.9 6.9 10.3





#21
Benzo(a)anthracene
Concen: 3.246 ng/ul m
RT: 21.120 min Scan# 4081
Delta R.T. -0.012 min
Lab File: BM049211.D
Acq: 25 Dec 2024 07:56

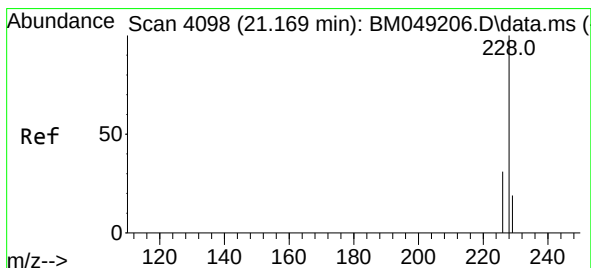
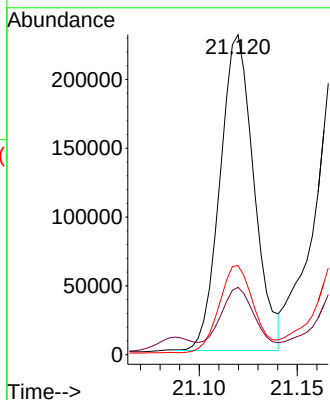
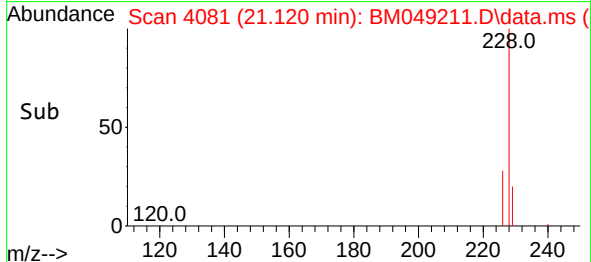
Instrument :
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ClientSampleId :
E2919



Tgt Ion:228 Resp: 27620
Ion Ratio Lower Upper
228 100
229 21.0 15.9 23.9
226 27.9 22.6 34.0

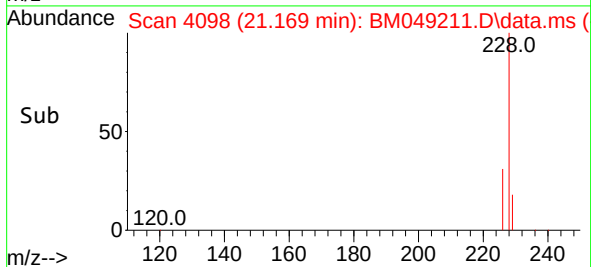
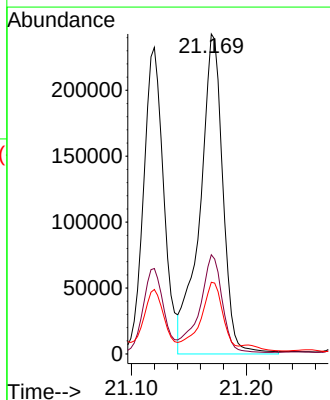
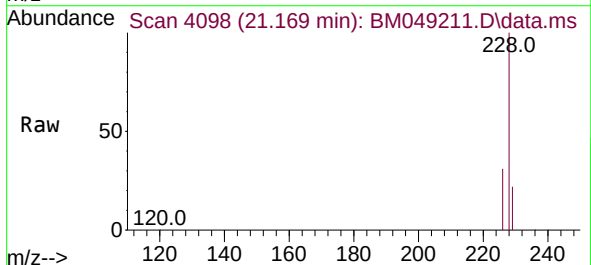
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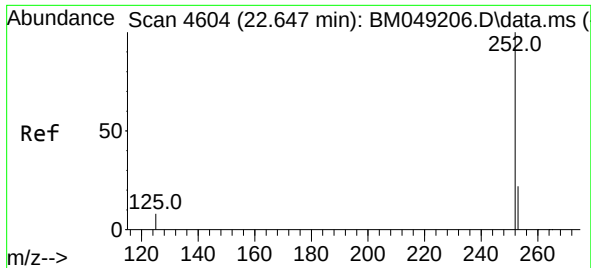
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#22
Chrysene
Concen: 3.684 ng/ul m
RT: 21.169 min Scan# 4098
Delta R.T. -0.015 min
Lab File: BM049211.D
Acq: 25 Dec 2024 07:56

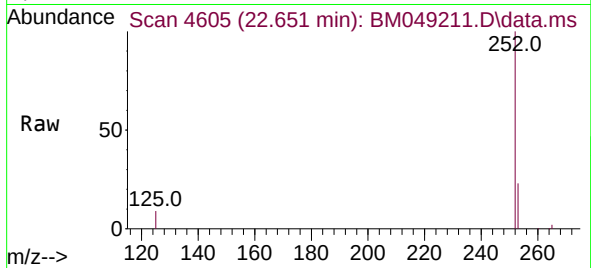
Tgt Ion:228 Resp: 336425
Ion Ratio Lower Upper
228 100
226 31.0 24.1 36.1
229 22.4 15.8 23.8





#24
Benzo(b)fluoranthene
Concen: 7.071 ng/ul m
RT: 22.651 min Scan# 4605
Delta R.T. -0.012 min
Lab File: BM049211.D
Acq: 25 Dec 2024 07:56

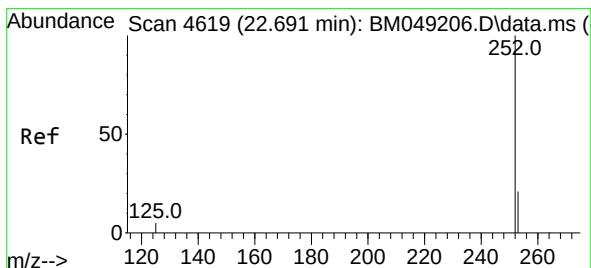
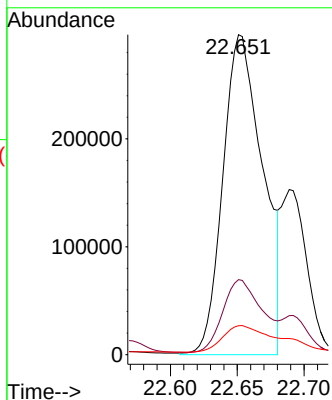
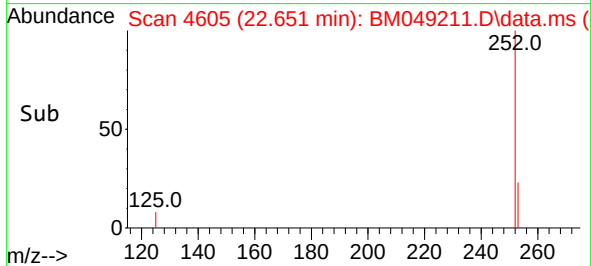
Instrument :
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Tgt Ion:252 Resp: 61600
Ion Ratio Lower Upper
252 100
253 23.5 0.0 52.6
125 9.1 0.0 30.8

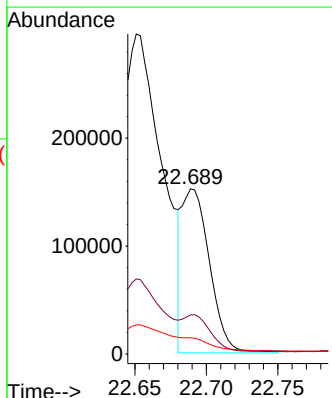
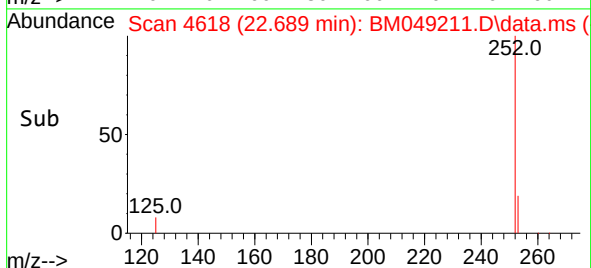
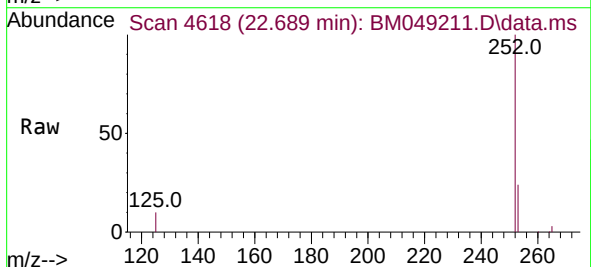
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APPROVED

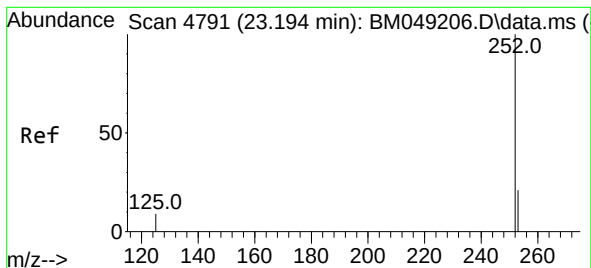
Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



#25
Benzo(k)fluoranthene
Concen: 2.125 ng/ul m
RT: 22.689 min Scan# 4618
Delta R.T. -0.018 min
Lab File: BM049211.D
Acq: 25 Dec 2024 07:56

Tgt Ion:252 Resp: 203174
Ion Ratio Lower Upper
252 100
253 23.6 21.3 31.9
125 9.8 12.6 18.8#





#26

Benzo(a)pyrene

Concen: 5.500 ng/ul m

RT: 23.195 min Scan# 4791

Delta R.T. -0.015 min

Lab File: BM049211.D

Acq: 25 Dec 2024 07:56

Instrument :

BNM

ClientSampleId :

E2919

Tgt Ion:252 Resp: 45950

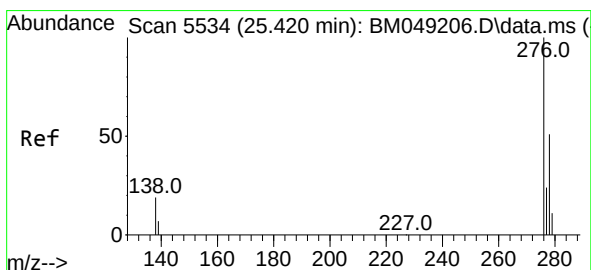
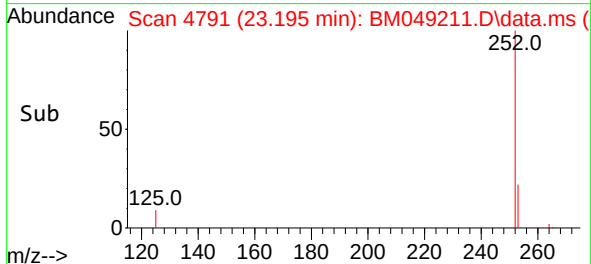
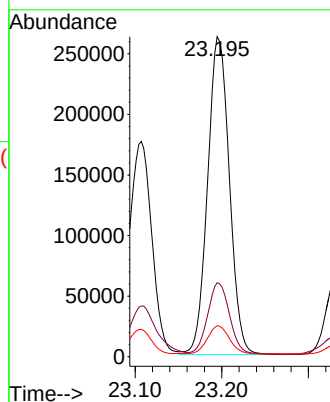
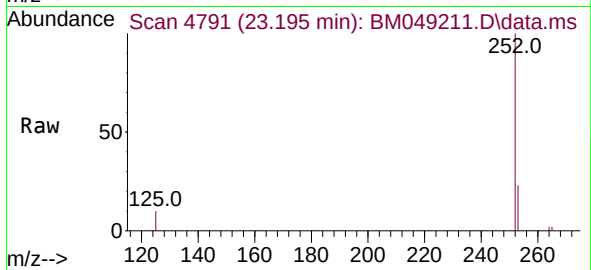
Ion	Ratio	Lower	Upper
252	100		
253	23.1	22.4	33.6
125	9.7	14.8	22.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/26/2024

Supervised By :mohammad ahmed 12/26/2024



#27

Indeno(1,2,3-cd)pyrene

Concen: 2.952 ng/ul m

RT: 25.420 min Scan# 5534

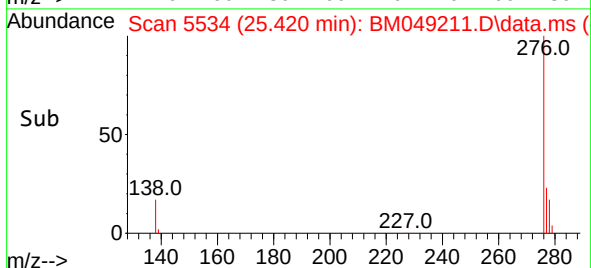
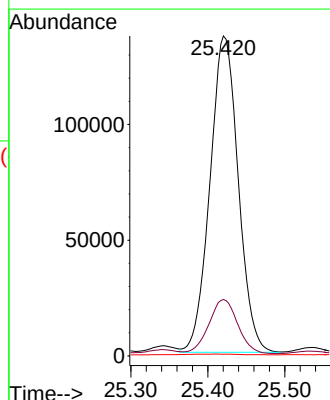
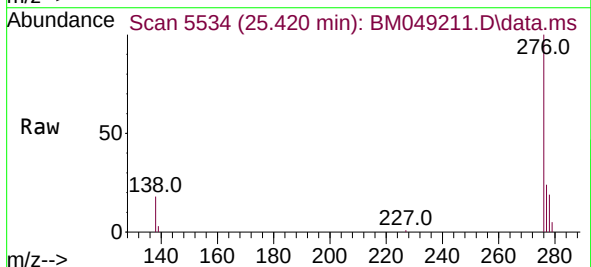
Delta R.T. -0.027 min

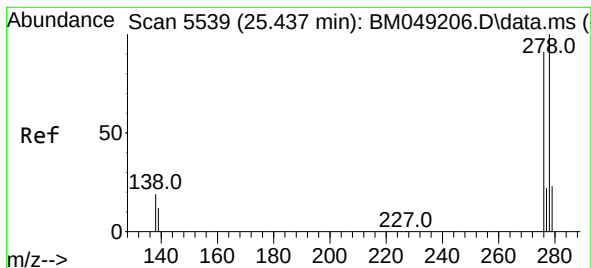
Lab File: BM049211.D

Acq: 25 Dec 2024 07:56

Tgt Ion:276 Resp: 349007

Ion	Ratio	Lower	Upper
276	100		
138	1.1	17.4	26.2#
227	0.0	0.2	0.2#





#28

Dibenzo(a,h)anthracene

Concen: 0.921 ng/ul m

RT: 25.430 min Scan# 5

Delta R.T. -0.037 min

Lab File: BM049211.D

Acq: 25 Dec 2024 07:56

Instrument :

BNA_M

ClientSampleId :

E2919

Tgt Ion:278 Resp: 84624

Ion Ratio Lower Upper

278 100

139 16.1 13.5 20.3

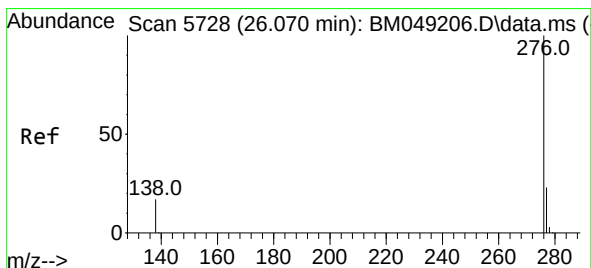
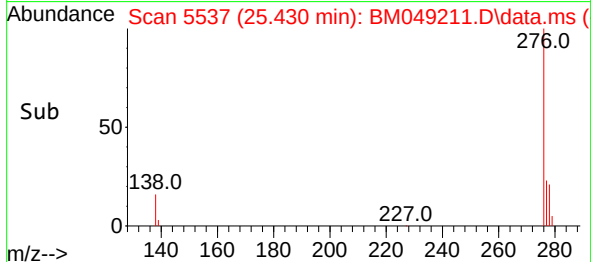
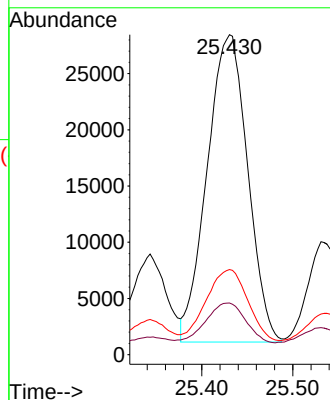
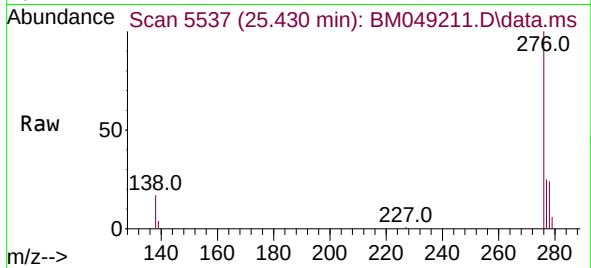
279 26.6 21.5 32.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/26/2024

Supervised By :mohammad ahmed 12/26/2024



#29

Benzo(g,h,i)perylene

Concen: 3.988 ng/ul m

RT: 26.071 min Scan# 5728

Delta R.T. -0.023 min

Lab File: BM049211.D

Acq: 25 Dec 2024 07:56

Tgt Ion:276 Resp: 379244

Ion Ratio Lower Upper

276 100

138 18.0 16.7 25.1

277 24.1 19.9 29.9

