

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049144.D
 Acq On : 23 Dec 2024 13:49
 Operator : RC/JU
 Sample : P5265-04DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28Y9DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/24/2024
 Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 23 14:22:26 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	7.556	152	5751	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.315	136	17036	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.192	164	9520	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.939	188	20590	0.400	ng/ul	-0.01
17) Chrysene-d12	21.140	240	16998	0.400	ng/ul	0.00
23) Perylene-d12	23.297	264	16995m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	14770	2.227	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.915	152	2823	0.123	ng/ul	0.00
18) Fluoranthene-d10	18.974	212	4318	0.090	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.365	128	1363	0.032	ng/ul#	78
7) 2-Methylnaphthalene	11.992	142	1081	0.040	ng/ul	93
8) 1-Methylnaphthalene	12.212	142	741	0.027	ng/ul	94
10) Acenaphthylene	13.905	152	800	0.020	ng/ul#	67
11) Acenaphthene	14.252	153	1037	0.036	ng/ul	95
12) Fluorene	15.247	166	879	0.027	ng/ul#	91
15) Phenanthrene	16.981	178	20877	0.388	ng/ul	99
16) Anthracene	17.069	178	4443	0.090	ng/ul#	92
19) Fluoranthene	19.002	202	51629	0.840	ng/ul	100
20) Pyrene	19.365	202	45836	0.699	ng/ul	99
21) Benzo(a)anthracene	21.122	228	21959	0.371	ng/ul	98
22) Chrysene	21.175	228	23721	0.374	ng/ul	97
24) Benzo(b)fluoranthene	22.656	252	31779m	0.585	ng/ul	
25) Benzo(k)fluoranthene	22.697	252	11837m	0.199	ng/ul	
26) Benzo(a)pyrene	23.200	252	21118	0.406	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	25.430	276	16574	0.225	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.437	278	3804	0.066	ng/ul#	63
29) Benzo(g,h,i)perylene	26.077	276	17951	0.303	ng/ul	98

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

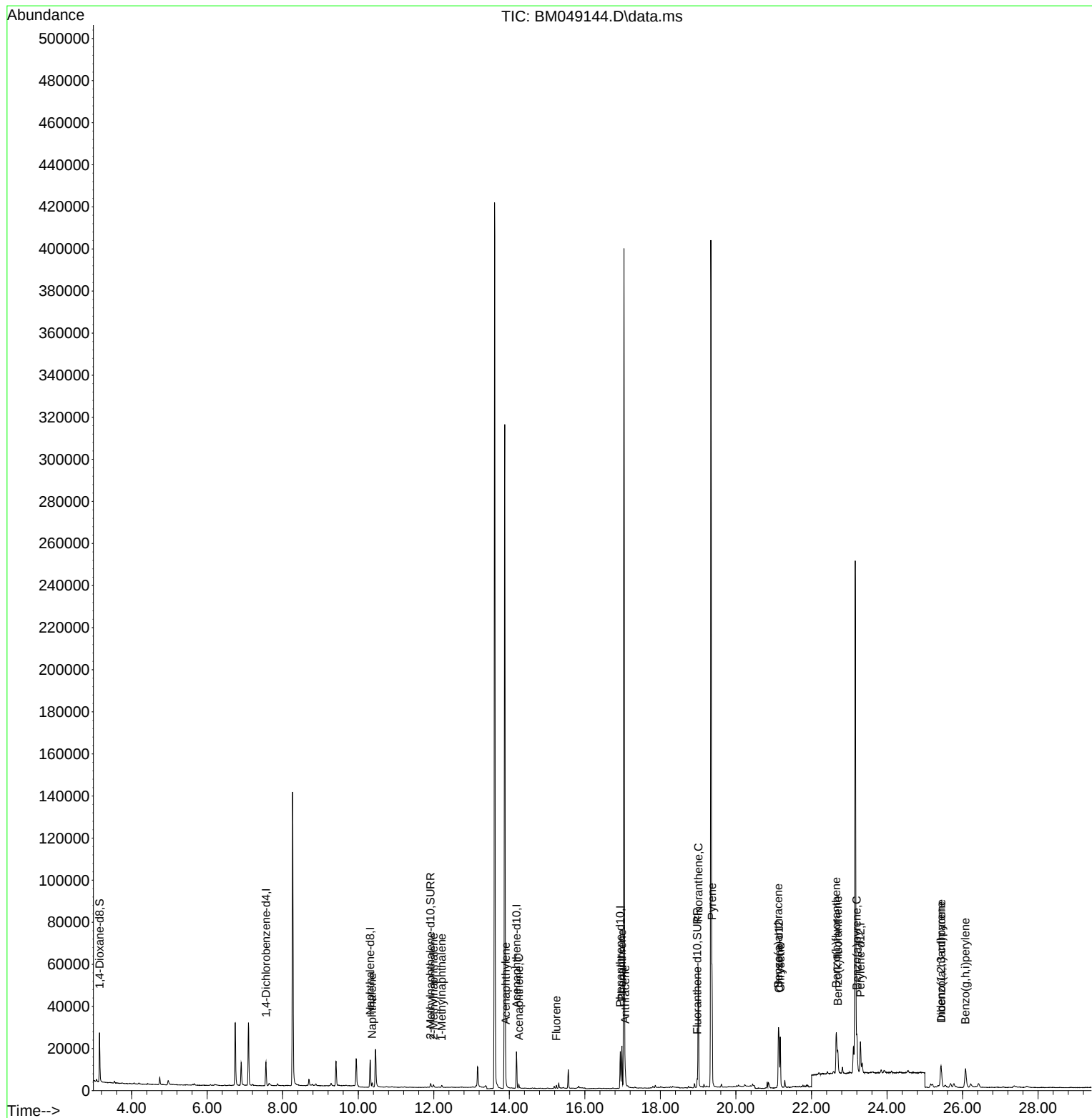
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049144.D
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Operator : RC/JU
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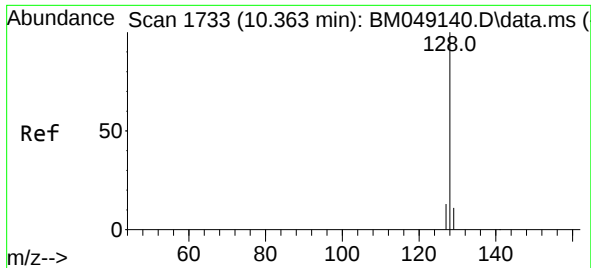
Instrument :
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E28Y9DL

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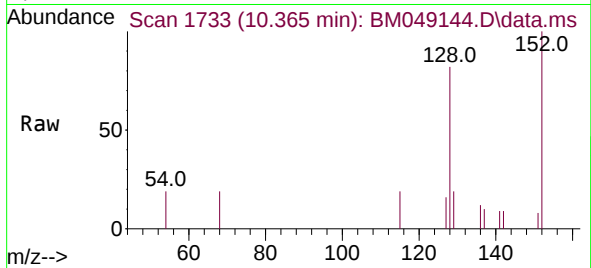
Quant Time: Dec 23 14:22:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
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#5
Naphthalene
Concen: 0.032 ng/ul
RT: 10.365 min Scan# 1733
Delta R.T. -0.015 min
Lab File: BM049144.D
Acq: 23 Dec 2024 13:49

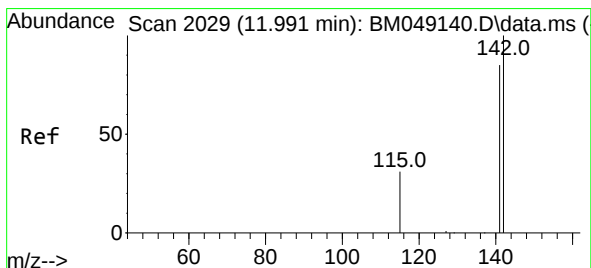
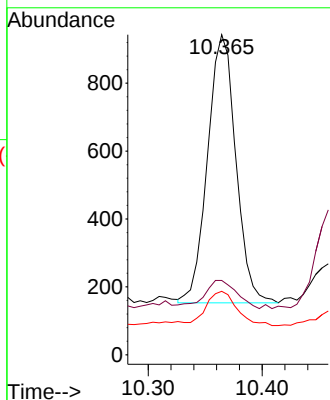
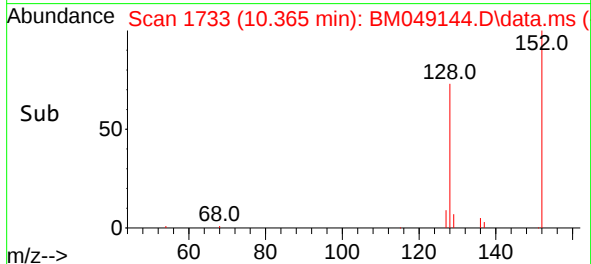
Instrument :
BNA_M
ClientSampleId :
E28Y9DL



Tgt Ion:128 Resp: 136
Ion Ratio Lower Upper
128 100
129 23.2 9.7 14.5
127 19.8 10.6 16.0

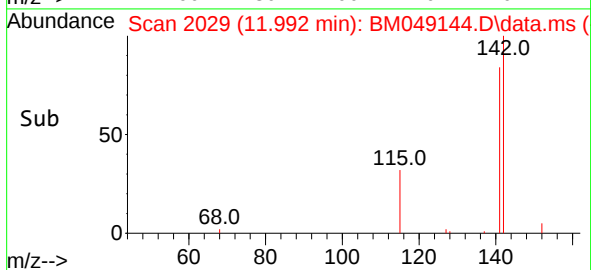
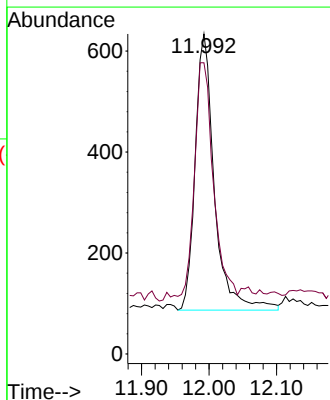
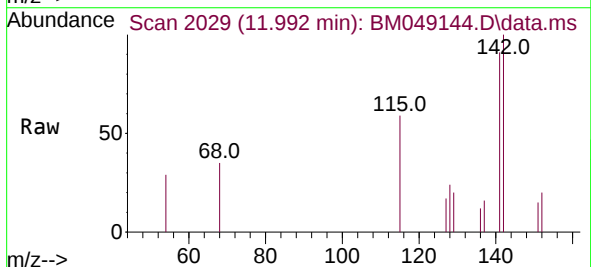
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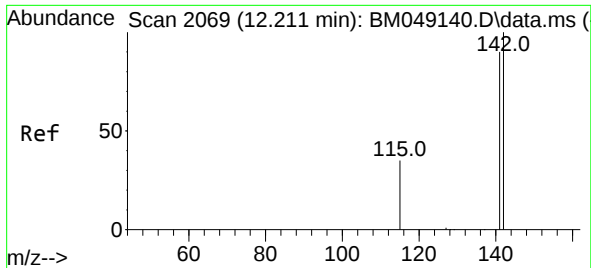
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#7
2-Methylnaphthalene
Concen: 0.040 ng/ul
RT: 11.992 min Scan# 2029
Delta R.T. -0.010 min
Lab File: BM049144.D
Acq: 23 Dec 2024 13:49

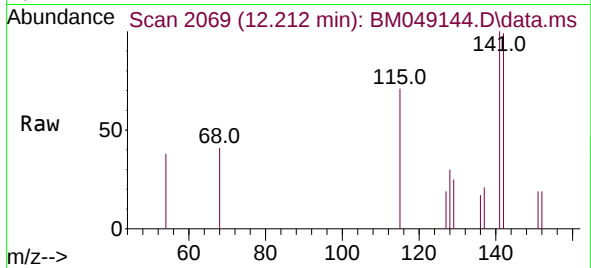
Tgt Ion:142 Resp: 1081
Ion Ratio Lower Upper
142 100
141 83.1 71.7 107.5





#8
1-Methylnaphthalene
Concen: 0.027 ng/ul
RT: 12.212 min Scan# 2069
Delta R.T. -0.010 min
Lab File: BM049144.D
Acq: 23 Dec 2024 13:49

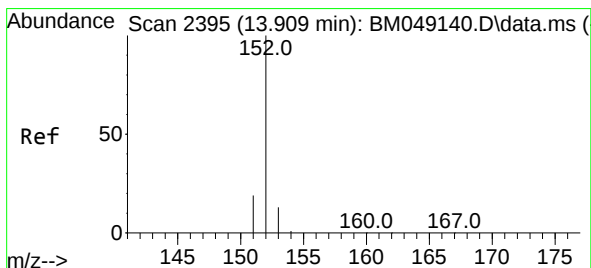
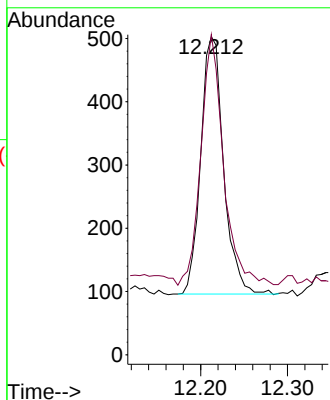
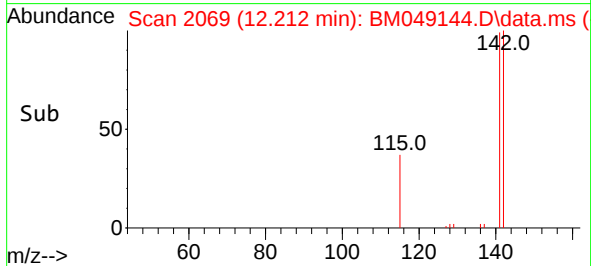
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:142 Resp: 74.1
Ion Ratio Lower Upper
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141 96.4 72.7 109.1

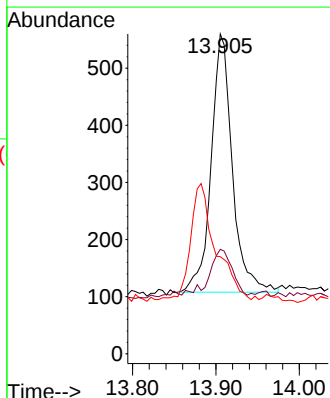
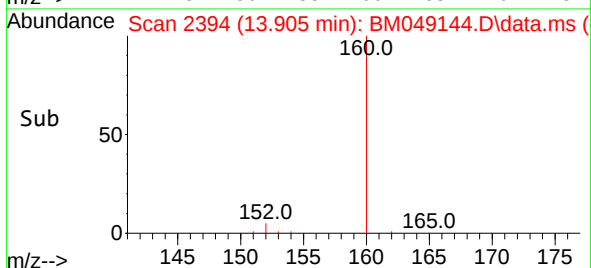
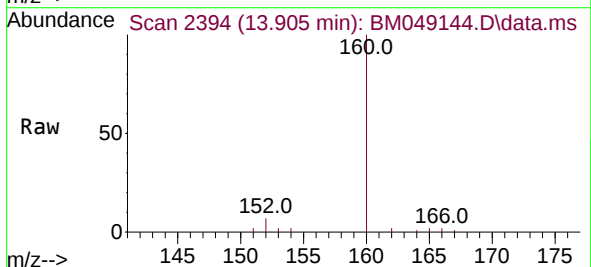
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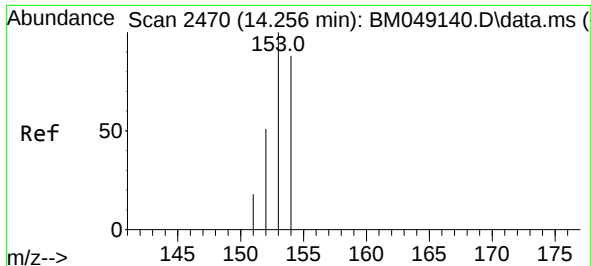
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#10
Acenaphthylene
Concen: 0.020 ng/ul
RT: 13.905 min Scan# 2394
Delta R.T. -0.013 min
Lab File: BM049144.D
Acq: 23 Dec 2024 13:49

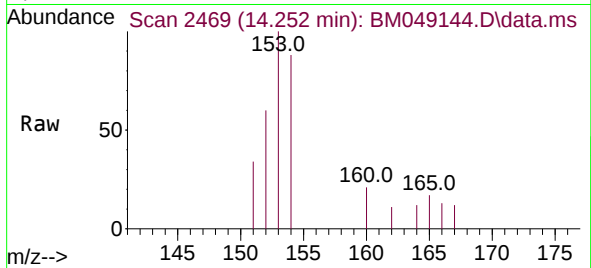
Tgt Ion:152 Resp: 800
Ion Ratio Lower Upper
152 100
151 32.7 16.0 24.0#
153 30.4 11.0 16.6#





#11
Acenaphthene
Concen: 0.036 ng/u1
RT: 14.252 min Scan# 2470
Delta R.T. -0.013 min
Lab File: BM049144.D
Acq: 23 Dec 2024 13:49

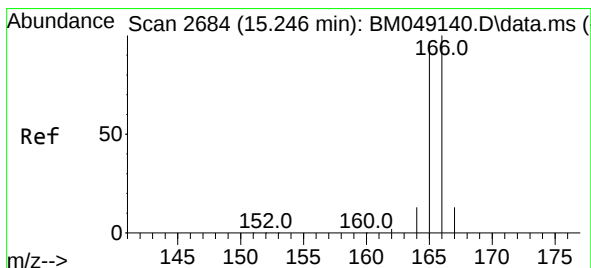
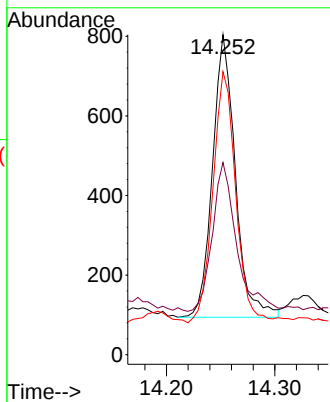
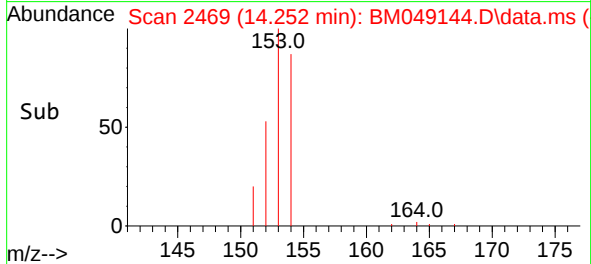
Instrument :
BNA_M
ClientSampleId :
E28Y9DL



Tgt Ion:153 Resp: 103
Ion Ratio Lower Upper
153 100
152 60.1 40.7 61.1
154 88.4 70.8 106.2

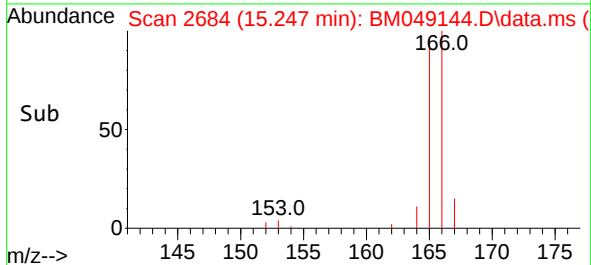
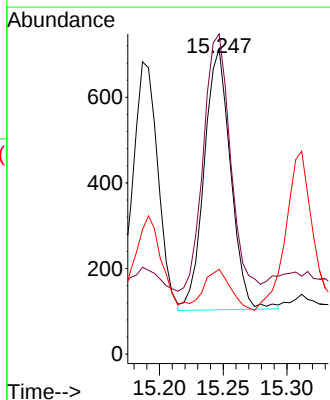
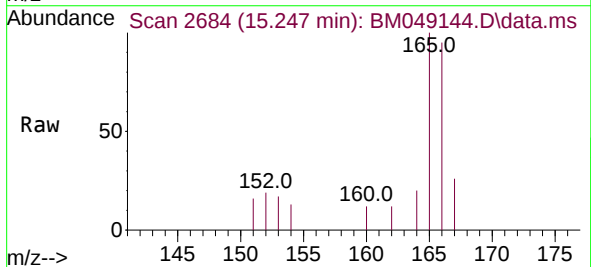
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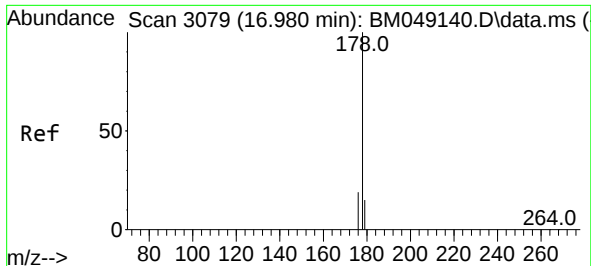
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#12
Fluorene
Concen: 0.027 ng/u1
RT: 15.247 min Scan# 2684
Delta R.T. -0.008 min
Lab File: BM049144.D
Acq: 23 Dec 2024 13:49

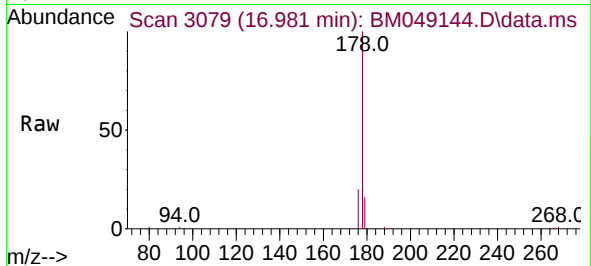
Tgt Ion:166 Resp: 879
Ion Ratio Lower Upper
166 100
165 104.8 79.7 119.5
167 27.7 11.4 17.0#





#15
Phenanthrene
Concen: 0.388 ng/u1
RT: 16.981 min Scan# 3079
Delta R.T. -0.011 min
Lab File: BM049144.D
Acq: 23 Dec 2024 13:49

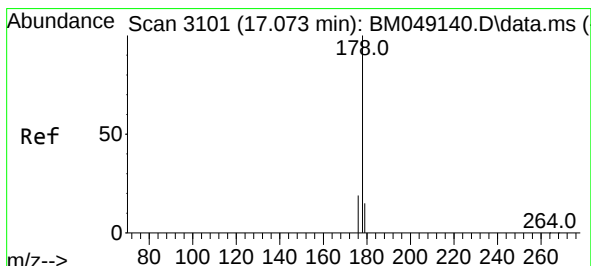
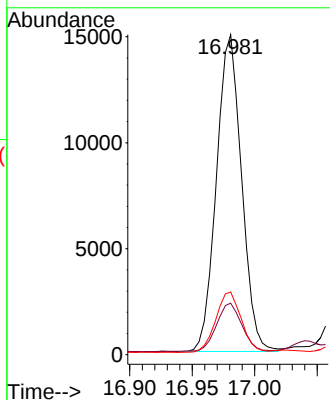
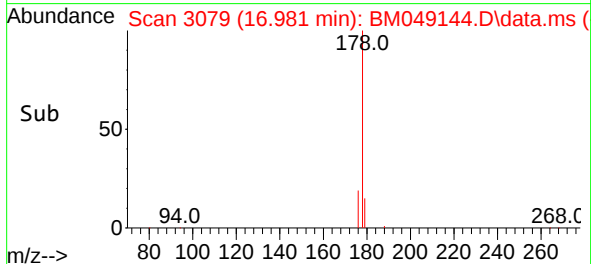
Instrument :
BNA_M
ClientSampleId :
E28Y9DL



Tgt Ion:178 Resp: 2087
Ion Ratio Lower Upper
178 100
179 16.1 13.0 19.4
176 19.6 16.2 24.2

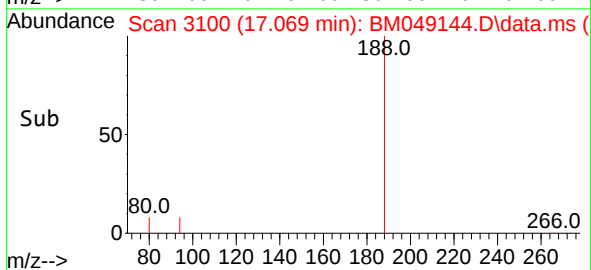
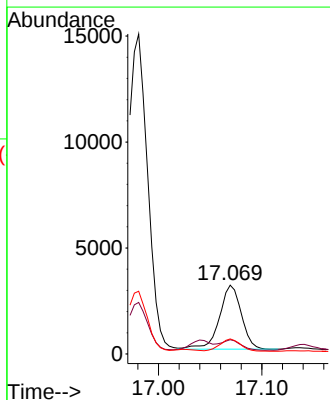
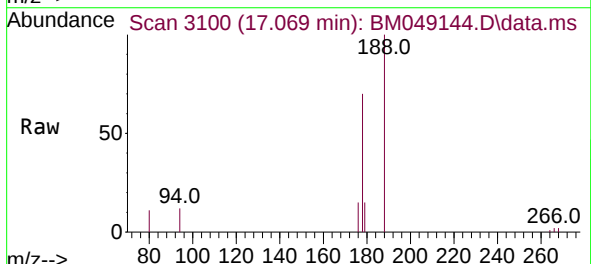
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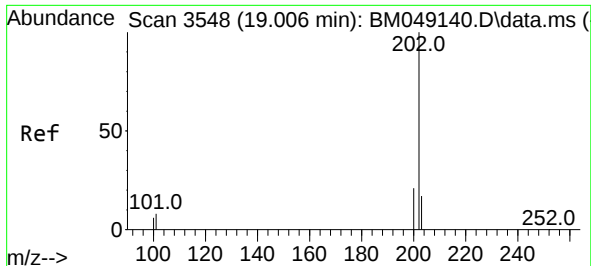
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#16
Anthracene
Concen: 0.090 ng/u1
RT: 17.069 min Scan# 3100
Delta R.T. -0.016 min
Lab File: BM049144.D
Acq: 23 Dec 2024 13:49

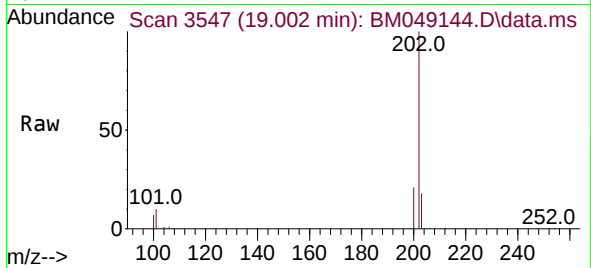
Tgt Ion:178 Resp: 4443
Ion Ratio Lower Upper
178 100
179 20.8 12.9 19.3#
176 21.9 15.3 22.9





#19
Fluoranthene
Concen: 0.840 ng/ul
RT: 19.002 min Scan# 3548
Delta R.T. -0.013 min
Lab File: BM049144.D
Acq: 23 Dec 2024 13:49

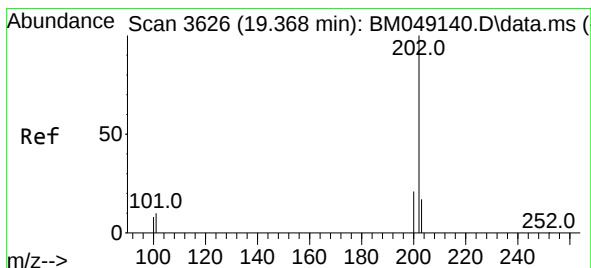
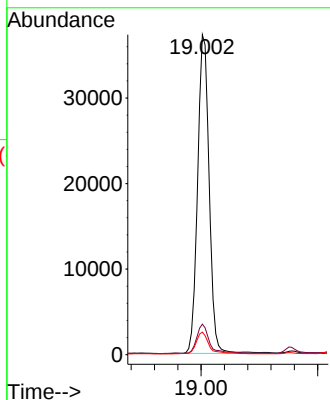
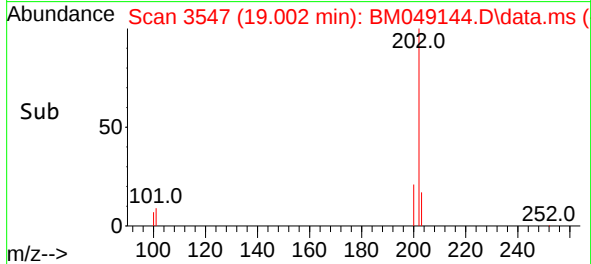
Instrument :
BNA_M
ClientSampleId :
E28Y9DL



Tgt Ion:202 Resp: 51629
Ion Ratio Lower Upper
202 100
101 9.5 7.6 11.4
100 7.1 5.5 8.3

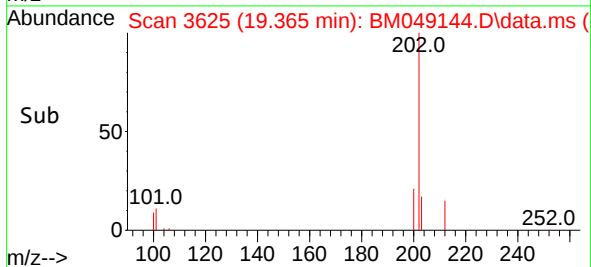
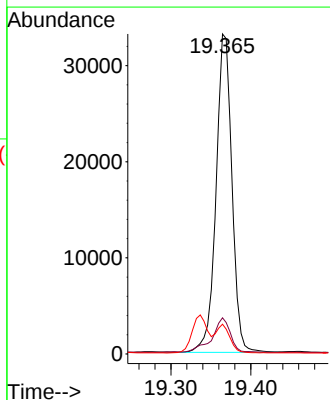
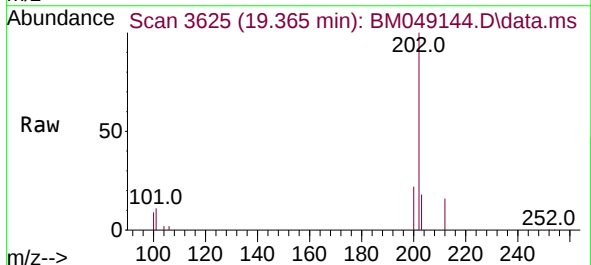
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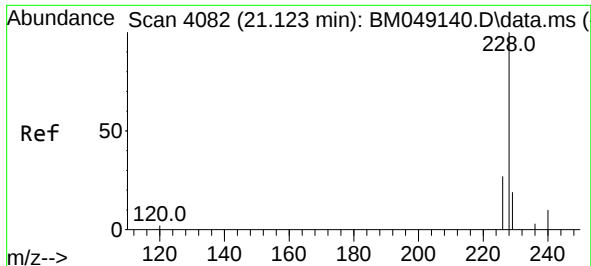
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#20
Pyrene
Concen: 0.699 ng/ul
RT: 19.365 min Scan# 3625
Delta R.T. -0.013 min
Lab File: BM049144.D
Acq: 23 Dec 2024 13:49

Tgt Ion:202 Resp: 45836
Ion Ratio Lower Upper
202 100
101 11.3 8.9 13.3
100 9.3 6.9 10.3





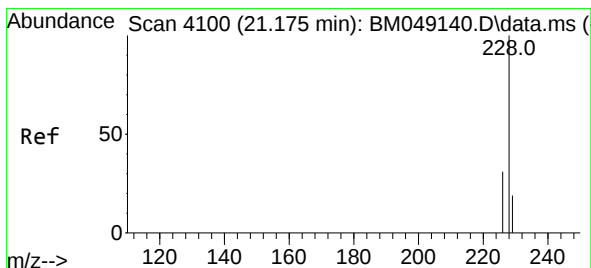
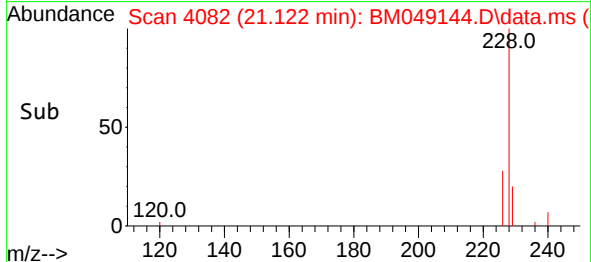
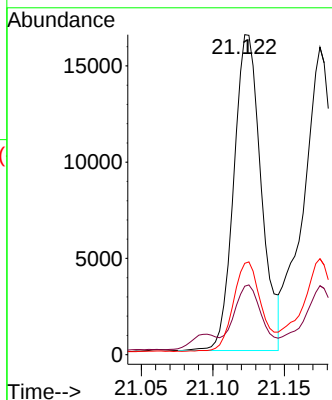
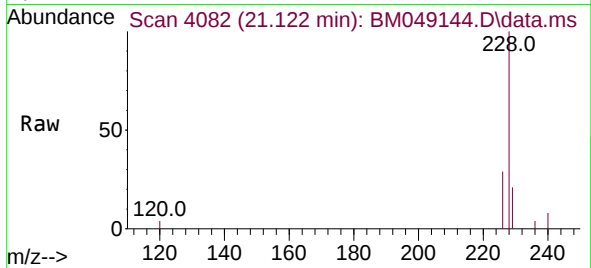
#21
Benzo(a)anthracene
Concen: 0.371 ng/ul
RT: 21.122 min Scan# 4082
Delta R.T. -0.009 min
Lab File: BM049144.D
Acq: 23 Dec 2024 13:49

Instrument :
BNA_M
ClientSampleId :
E28Y9DL

Tgt Ion:228 Resp: 21958
Ion Ratio Lower Upper
228 100
229 21.4 15.9 23.9
226 28.5 22.6 34.0

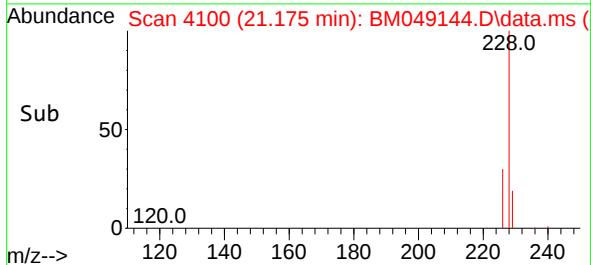
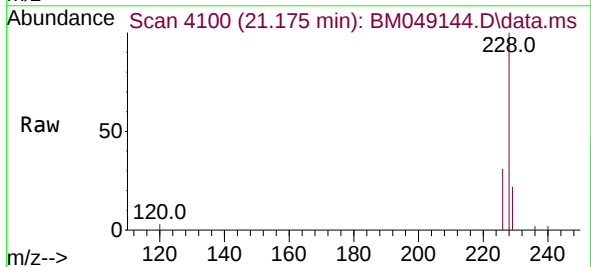
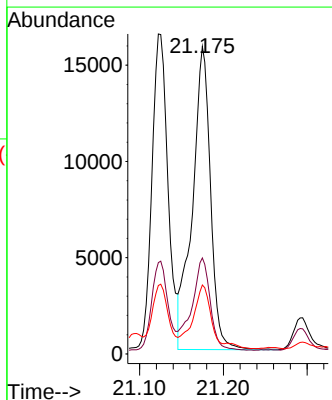
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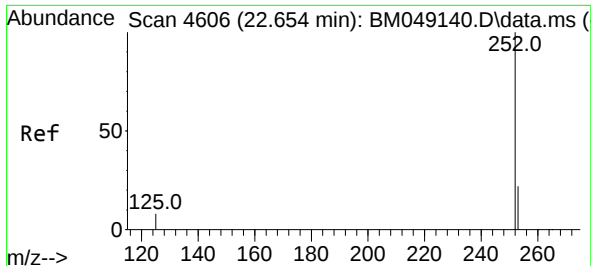
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#22
Chrysene
Concen: 0.374 ng/ul
RT: 21.175 min Scan# 4100
Delta R.T. -0.009 min
Lab File: BM049144.D
Acq: 23 Dec 2024 13:49

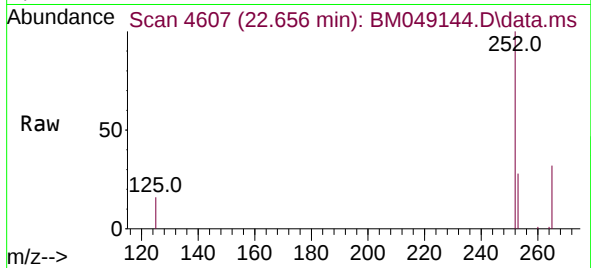
Tgt Ion:228 Resp: 23721
Ion Ratio Lower Upper
228 100
226 31.2 24.1 36.1
229 22.4 15.8 23.8





#24
Benzo(b)fluoranthene
Concen: 0.585 ng/ul m
RT: 22.656 min Scan# 4606
Delta R.T. -0.006 min
Lab File: BM049144.D
Acq: 23 Dec 2024 13:49

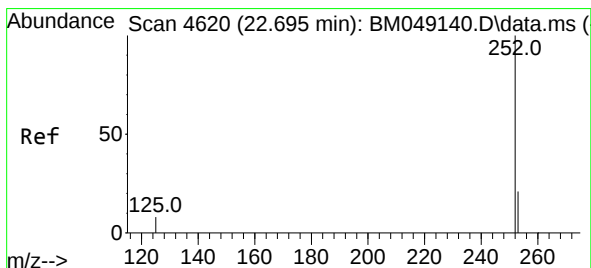
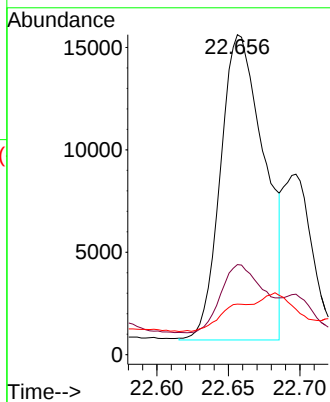
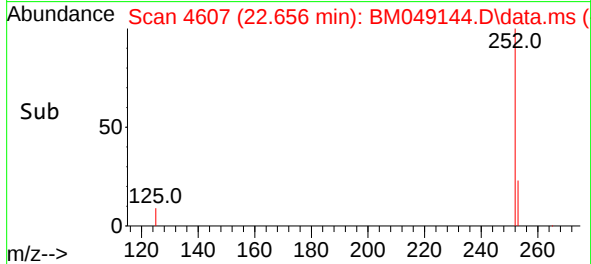
Instrument :
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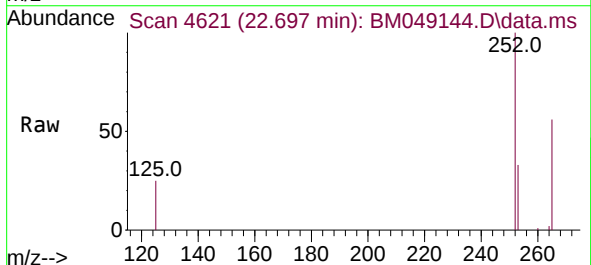
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Ion Ratio Lower Upper
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253 28.1 0.0 52.6
125 15.8 0.0 30.8

Manual Integrations
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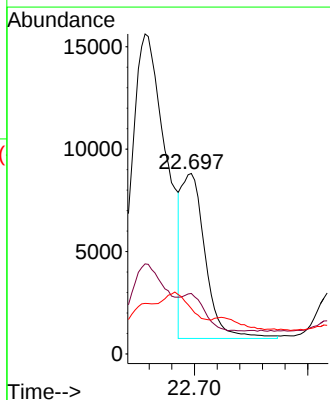
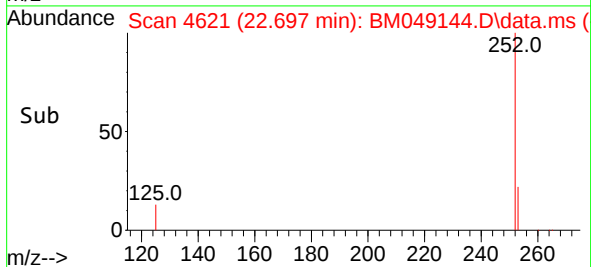
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024

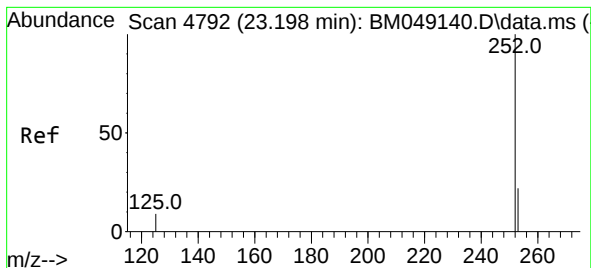


#25
Benzo(k)fluoranthene
Concen: 0.199 ng/ul m
RT: 22.697 min Scan# 4621
Delta R.T. -0.009 min
Lab File: BM049144.D
Acq: 23 Dec 2024 13:49



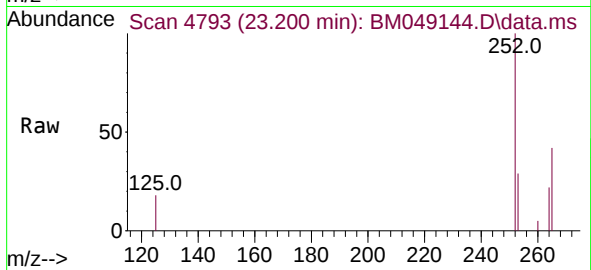
Tgt Ion:252 Resp: 11837
Ion Ratio Lower Upper
252 100
253 33.5 21.3 31.9#
125 25.2 12.6 18.8#





#26
Benzo(a)pyrene
Concen: 0.406 ng/ul
RT: 23.200 min Scan# 4792
Delta R.T. -0.009 min
Lab File: BM049144.D
Acq: 23 Dec 2024 13:49

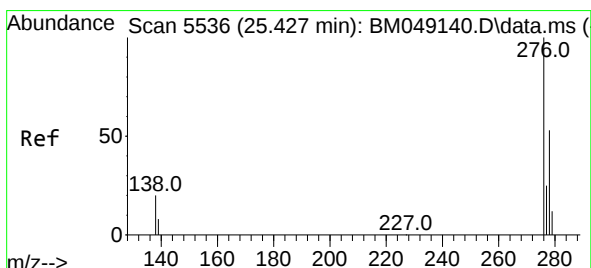
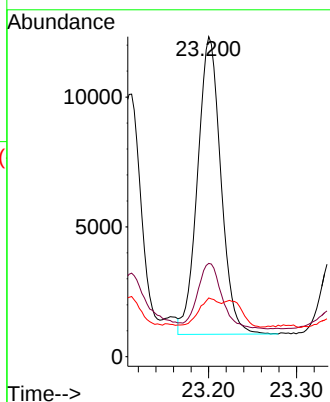
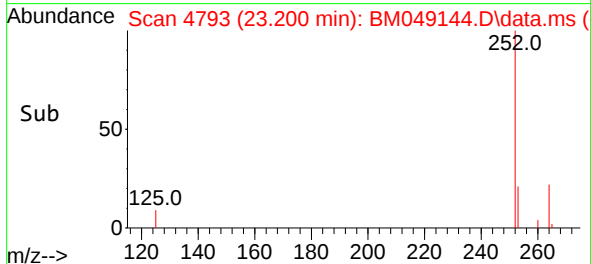
Instrument :
BNA_M
ClientSampleId :
E28Y9DL



Tgt Ion:252 Resp: 21118
Ion Ratio Lower Upper
252 100
253 29.1 22.4 33.6
125 18.3 14.8 22.2

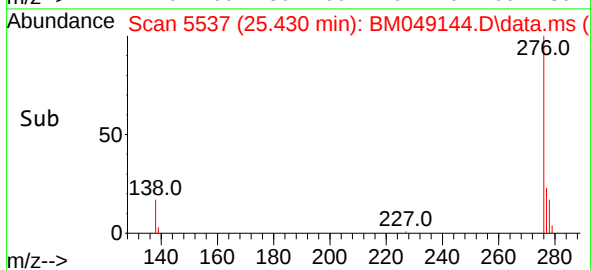
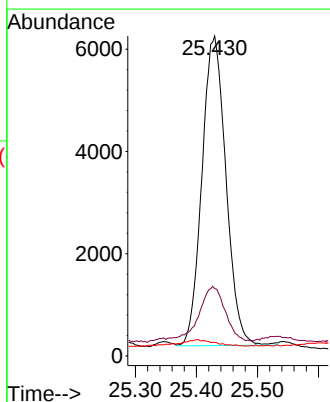
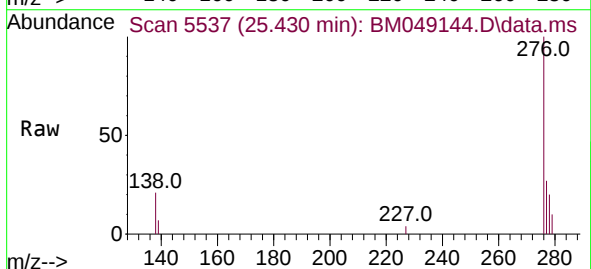
Manual Integrations
APPROVED

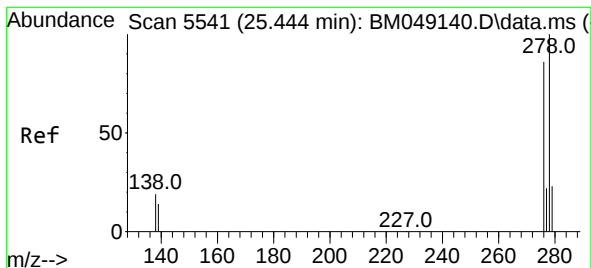
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.225 ng/ul
RT: 25.430 min Scan# 5537
Delta R.T. -0.017 min
Lab File: BM049144.D
Acq: 23 Dec 2024 13:49

Tgt Ion:276 Resp: 16574
Ion Ratio Lower Upper
276 100
138 20.2 17.4 26.2
227 0.0 0.2 0.2#





#28

Dibenzo(a,h)anthracene

Concen: 0.066 ng/ul

RT: 25.437 min Scan# 51

Delta R.T. -0.031 min

Lab File: BM049144.D

Acq: 23 Dec 2024 13:49

Instrument :

BNA_M

ClientSampleId :

E28Y9DL

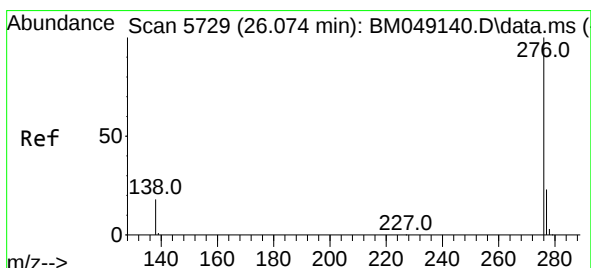
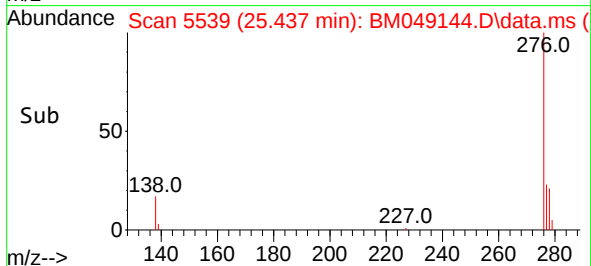
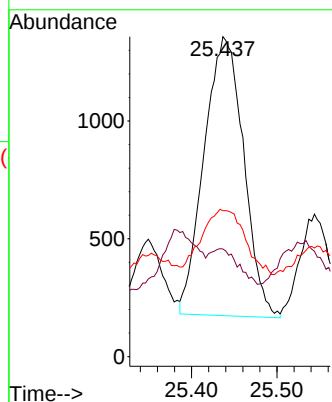
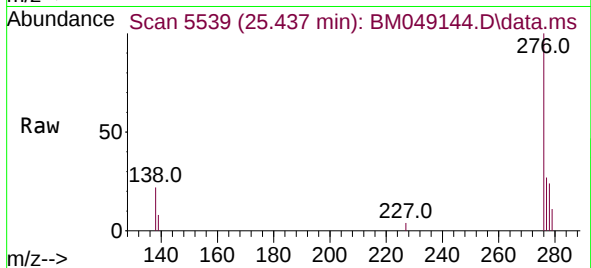
Tgt Ion:278	Resp:	3804
Ion Ratio	Lower	Upper
278	100	
139	33.7	13.5 20.3
279	45.6	21.5 32.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/24/2024

Supervised By :mohammad ahmed 12/26/2024



#29

Benzo(g,h,i)perylene

Concen: 0.303 ng/ul

RT: 26.077 min Scan# 5730

Delta R.T. -0.017 min

Lab File: BM049144.D

Acq: 23 Dec 2024 13:49

Tgt Ion:276	Resp:	17951
Ion Ratio	Lower	Upper
276	100	
138	21.9	16.7 25.1
277	26.0	19.9 29.9

