

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
 Data File : BM049113.D
 Acq On : 20 Dec 2024 22:49
 Operator : RC/JU
 Sample : P5265-07DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28Z2DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 20 23:17:03 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	7.560	152	9476	0.400	ng/ul	0.00
4) Naphthalene-d8	10.325	136	28927	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.195	164	16422	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.946	188	33848	0.400	ng/ul	0.00
17) Chrysene-d12	21.146	240	28760	0.400	ng/ul	0.00
23) Perylene-d12	23.303	264	31673	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	7328	0.671	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.925	152	1825	0.047	ng/ul	0.00
18) Fluoranthene-d10	18.977	212	3298	0.040	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.369	128	1988	0.027	ng/ul#	83
7) 2-Methylnaphthalene	11.996	142	1667	0.036	ng/ul	100
8) 1-Methylnaphthalene	12.216	142	1172	0.025	ng/ul	99
10) Acenaphthylene	13.913	152	4190	0.062	ng/ul#	93
12) Fluorene	15.250	166	1283	0.023	ng/ul#	93
15) Phenanthrene	16.984	178	27869	0.315	ng/ul	99
16) Anthracene	17.077	178	6769	0.083	ng/ul	95
19) Fluoranthene	19.010	202	65419	0.629	ng/ul	98
20) Pyrene	19.373	202	57837	0.522	ng/ul	99
21) Benzo(a)anthracene	21.129	228	23855	0.238	ng/ul	96
22) Chrysene	21.181	228	30389	0.283	ng/ul	97
24) Benzo(b)fluoranthene	22.666	252	42060m	0.416	ng/ul	
25) Benzo(k)fluoranthene	22.704	252	14615m	0.132	ng/ul	
26) Benzo(a)pyrene	23.206	252	25178	0.259	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	25.444	276	24107	0.176	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.444	278	4798	0.045	ng/ul#	61
29) Benzo(g,h,i)perylene	26.091	276	27123	0.246	ng/ul	98

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

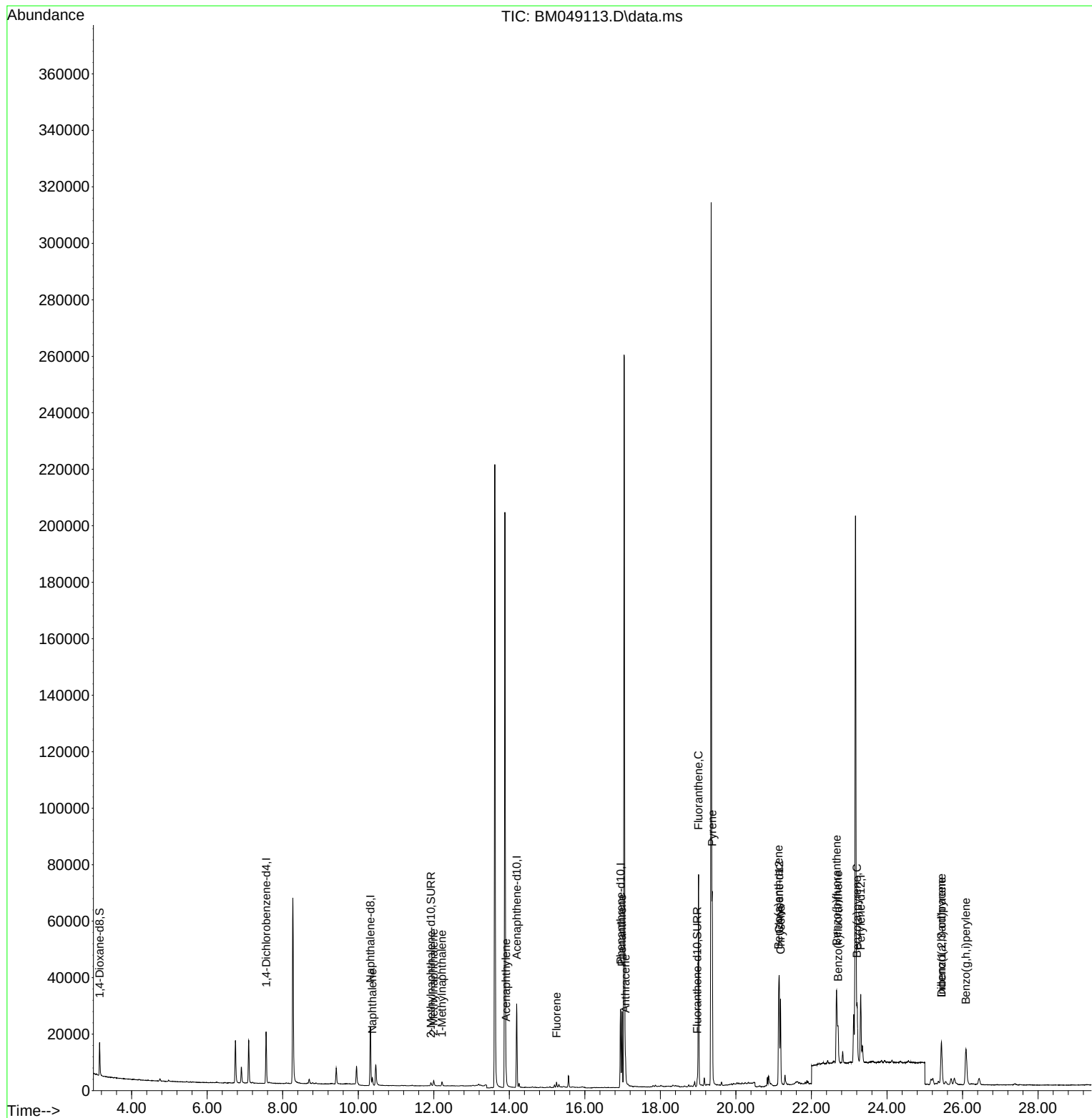
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122024\
Data File : BM049113.D
Acq On : 20 Dec 2024 22:49
Operator : RC/JU
Sample : P5265-07DL 5X
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ALS Vial : 13 Sample Multiplier: 1

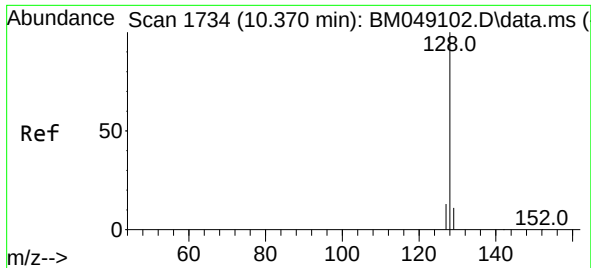
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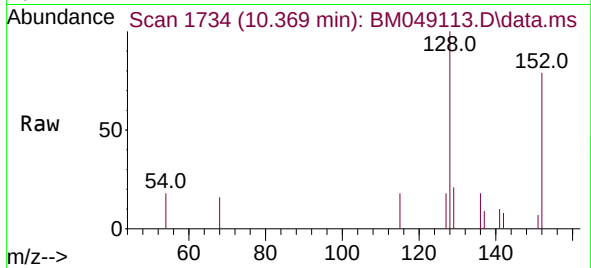
Quant Time: Dec 20 23:17:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.027 ng/ul
RT: 10.369 min Scan# 1734
Delta R.T. -0.011 min
Lab File: BM049113.D
Acq: 20 Dec 2024 22:49

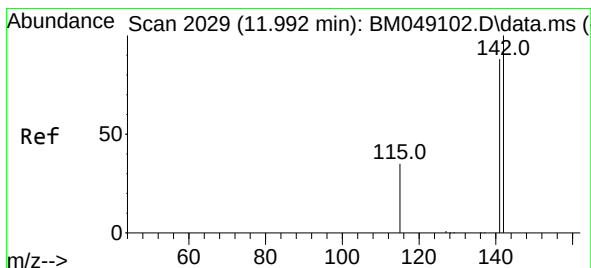
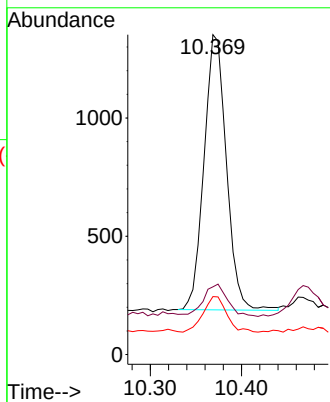
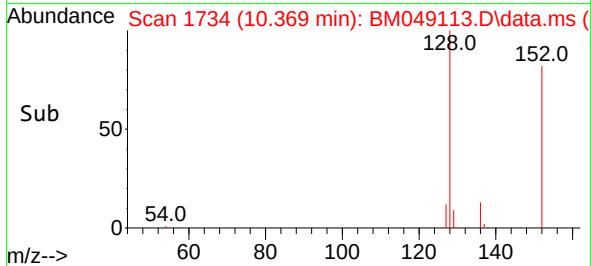
Instrument :
BNA_M
ClientSampleId :
E28Z2DL



Tgt Ion:128 Resp: 1988
Ion Ratio Lower Upper
128 100
129 21.2 9.7 14.5
127 18.1 10.6 16.0

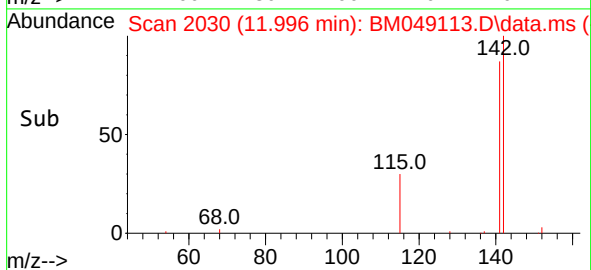
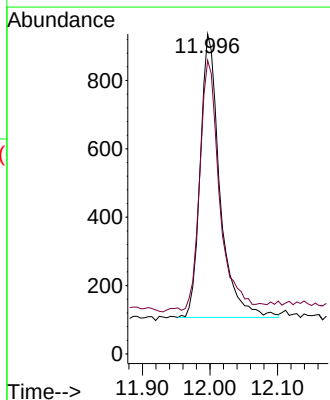
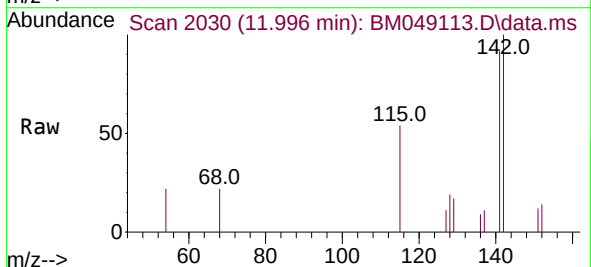
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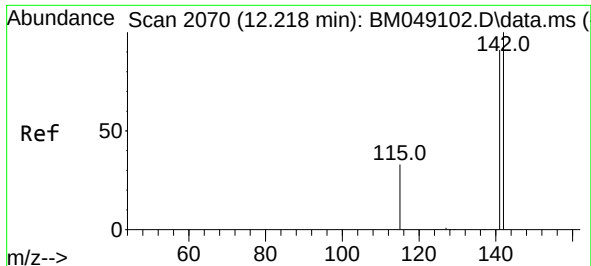
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#7
2-Methylnaphthalene
Concen: 0.036 ng/ul
RT: 11.996 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BM049113.D
Acq: 20 Dec 2024 22:49

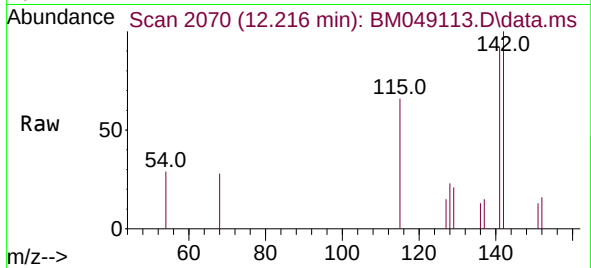
Tgt Ion:142 Resp: 1667
Ion Ratio Lower Upper
142 100
141 89.4 71.7 107.5





#8
1-Methylnaphthalene
Concen: 0.025 ng/ul
RT: 12.216 min Scan# 2070
Delta R.T. -0.006 min
Lab File: BM049113.D
Acq: 20 Dec 2024 22:49

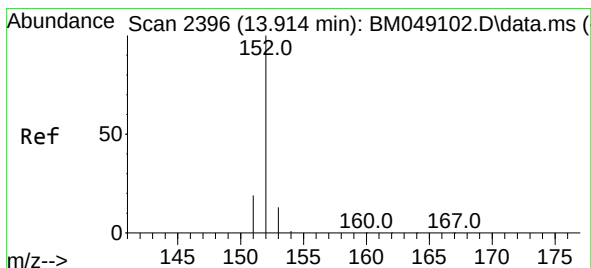
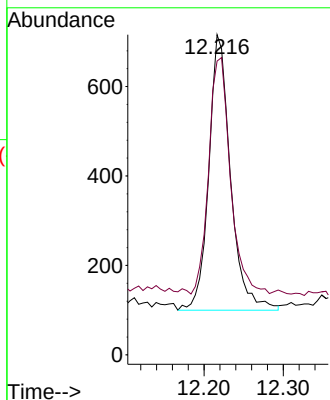
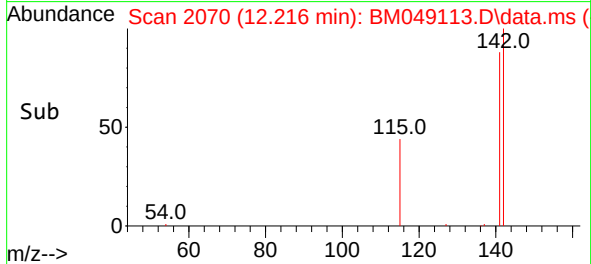
Instrument :
BNA_M
ClientSampleId :
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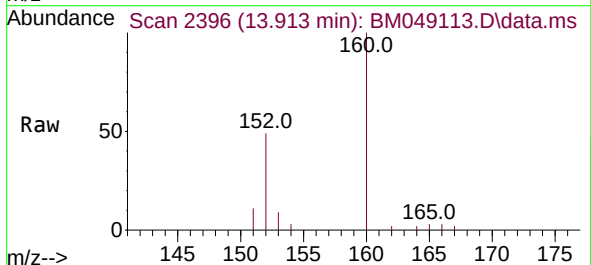
Tgt Ion:142 Resp: 1172
Ion Ratio Lower Upper
142 100
141 90.4 72.7 109.1

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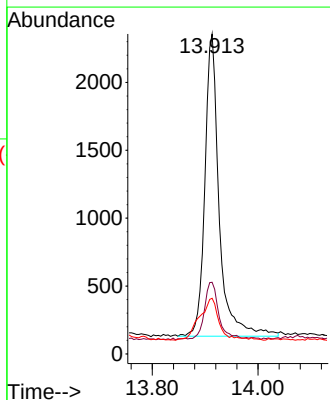
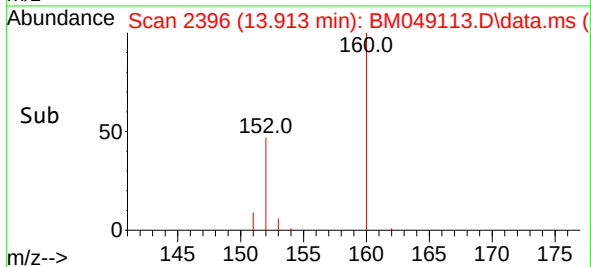
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

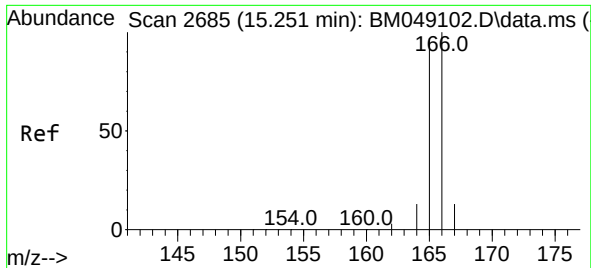


#10
Acenaphthylene
Concen: 0.062 ng/ul
RT: 13.913 min Scan# 2396
Delta R.T. -0.005 min
Lab File: BM049113.D
Acq: 20 Dec 2024 22:49



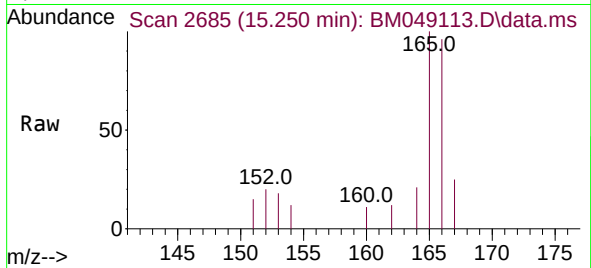
Tgt Ion:152 Resp: 4190
Ion Ratio Lower Upper
152 100
151 22.4 16.0 24.0
153 17.4 11.0 16.6#





#12
Fluorene
Concen: 0.023 ng/ul
RT: 15.250 min Scan# 20
Delta R.T. -0.005 min
Lab File: BM049113.D
Acq: 20 Dec 2024 22:49

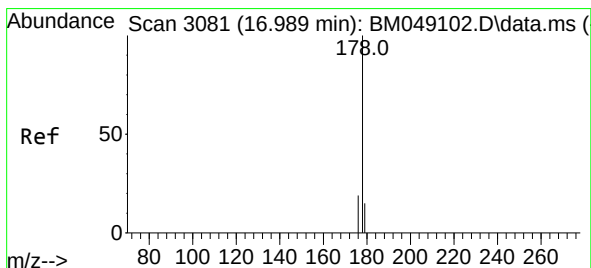
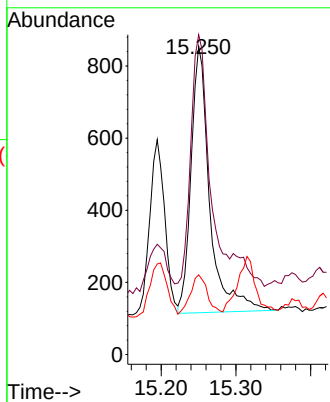
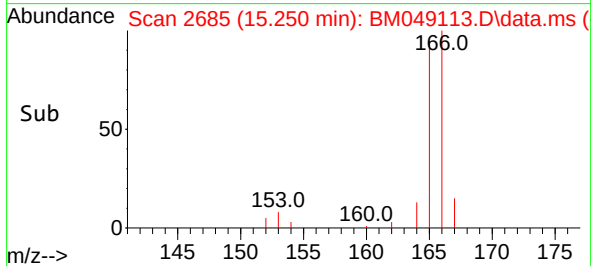
Instrument :
BNA_M
ClientSampleId :
E28Z2DL



Tgt Ion:166 Resp: 128
Ion Ratio Lower Upper
166 100
165 103.7 79.7 119.5
167 25.8 11.4 17.0

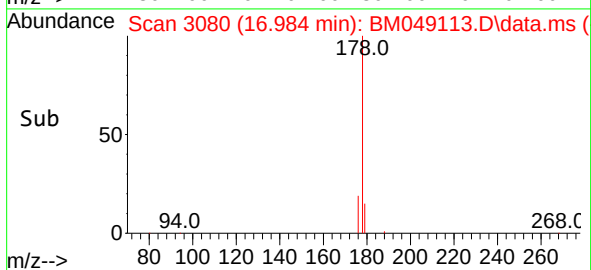
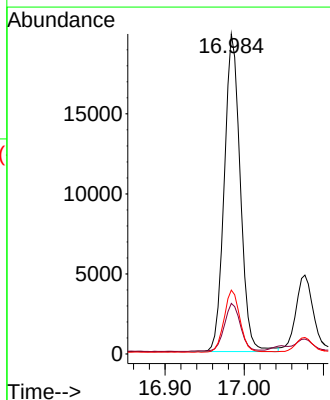
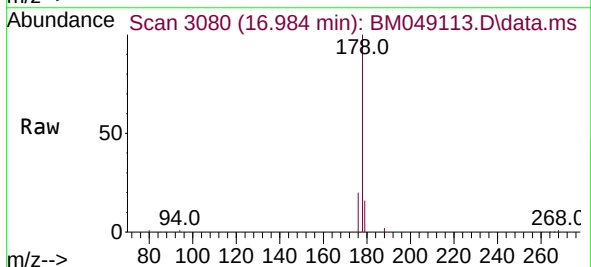
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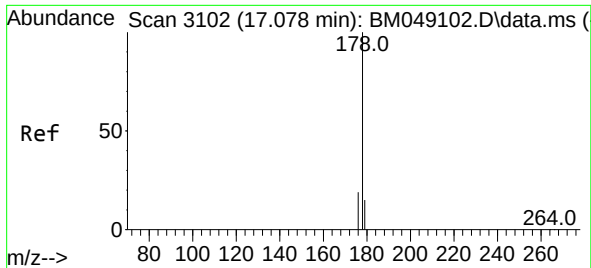
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#15
Phenanthrene
Concen: 0.315 ng/ul
RT: 16.984 min Scan# 3080
Delta R.T. -0.008 min
Lab File: BM049113.D
Acq: 20 Dec 2024 22:49

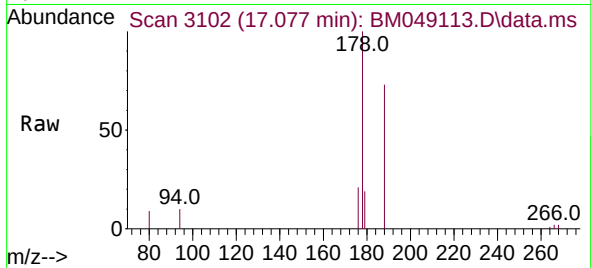
Tgt Ion:178 Resp: 27869
Ion Ratio Lower Upper
178 100
179 15.8 13.0 19.4
176 19.9 16.2 24.2





#16
 Anthracene
 Concen: 0.083 ng/ul
 RT: 17.077 min Scan# 3102
 Delta R.T. -0.008 min
 Lab File: BM049113.D
 Acq: 20 Dec 2024 22:49

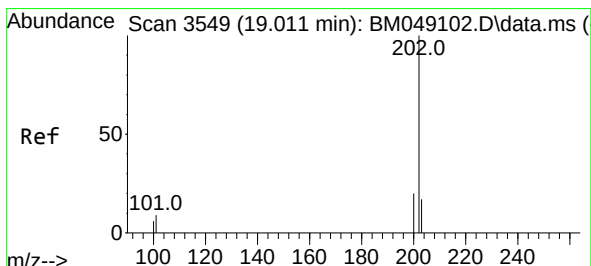
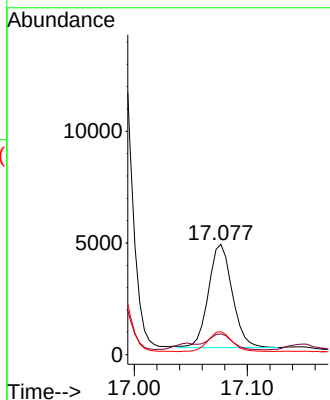
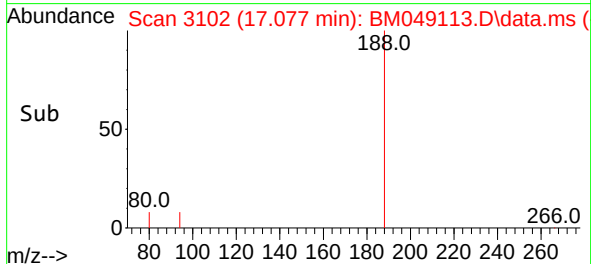
Instrument :
 BNA_M
 ClientSampleId :
 E28Z2DL



Tgt Ion:178 Resp: 6769
 Ion Ratio Lower Upper
 178 100
 179 18.8 12.9 19.3
 176 20.9 15.3 22.9

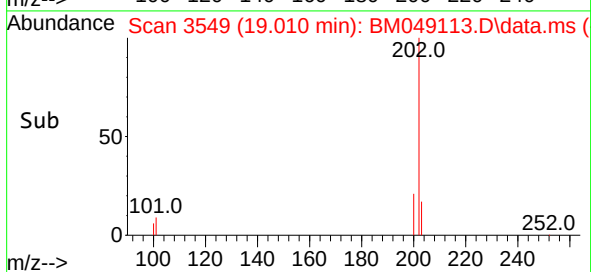
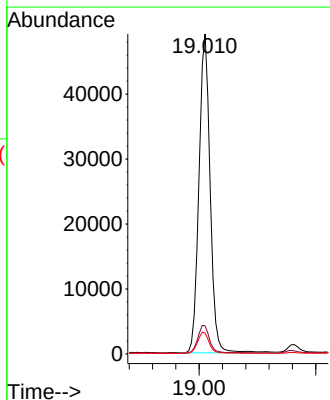
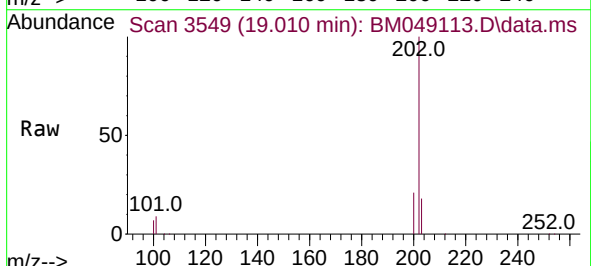
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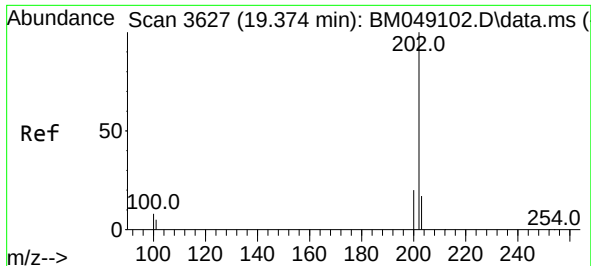
Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024



#19
 Fluoranthene
 Concen: 0.629 ng/ul
 RT: 19.010 min Scan# 3549
 Delta R.T. -0.005 min
 Lab File: BM049113.D
 Acq: 20 Dec 2024 22:49

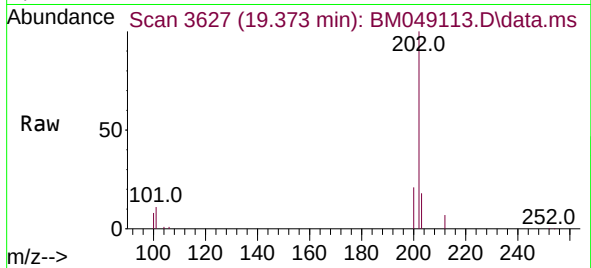
Tgt Ion:202 Resp: 65419
 Ion Ratio Lower Upper
 202 100
 101 8.8 7.6 11.4
 100 6.5 5.5 8.3





#20
Pyrene
Concen: 0.522 ng/u1
RT: 19.373 min Scan# 30
Delta R.T. -0.005 min
Lab File: BM049113.D
Acq: 20 Dec 2024 22:49

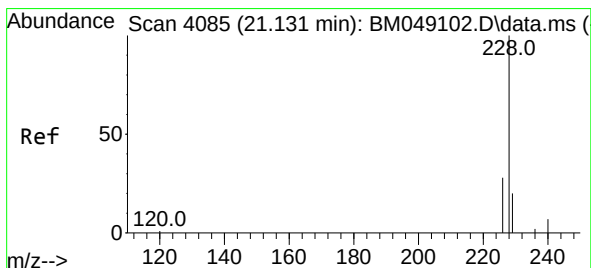
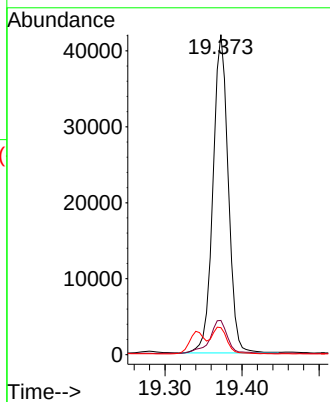
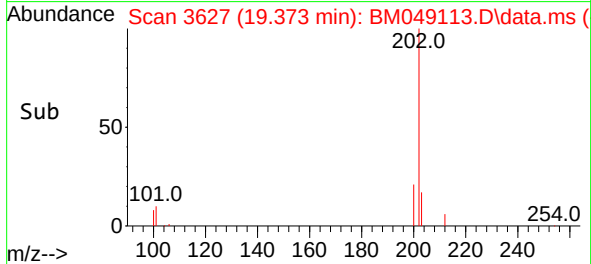
Instrument :
BNA_M
ClientSampleId :
E28Z2DL



Tgt Ion:202 Resp: 5783
Ion Ratio Lower Upper
202 100
101 10.7 8.9 13.3
100 8.5 6.9 10.3

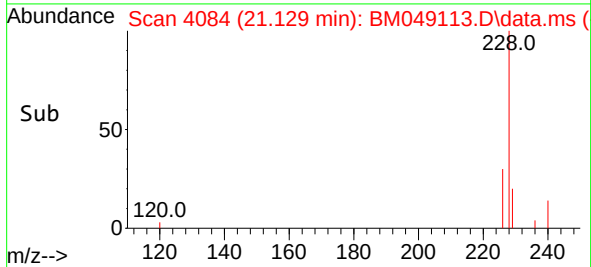
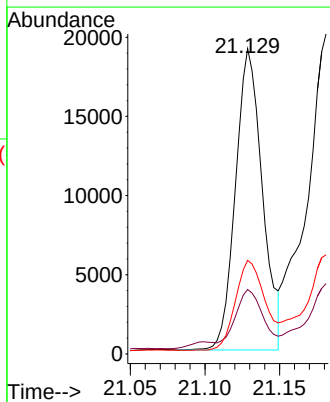
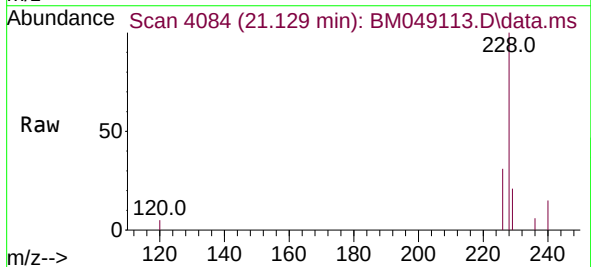
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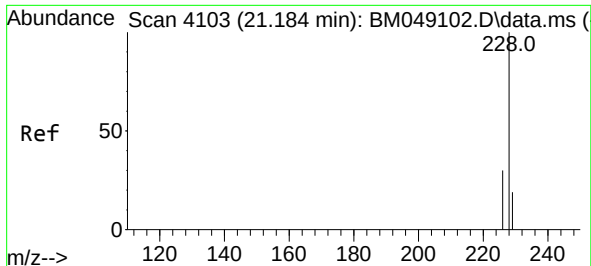
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#21
Benzo(a)anthracene
Concen: 0.238 ng/u1
RT: 21.129 min Scan# 4084
Delta R.T. -0.003 min
Lab File: BM049113.D
Acq: 20 Dec 2024 22:49

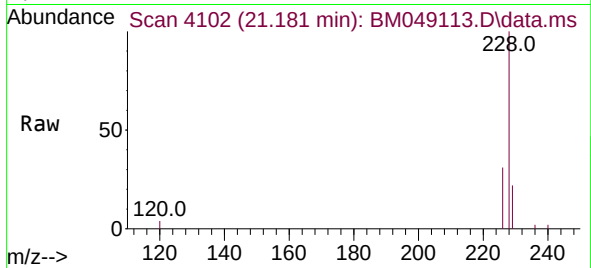
Tgt Ion:228 Resp: 23855
Ion Ratio Lower Upper
228 100
229 21.1 15.9 23.9
226 30.7 22.6 34.0





#22
Chrysene
Concen: 0.283 ng/ul
RT: 21.181 min Scan# 4103
Delta R.T. -0.003 min
Lab File: BM049113.D
Acq: 20 Dec 2024 22:49

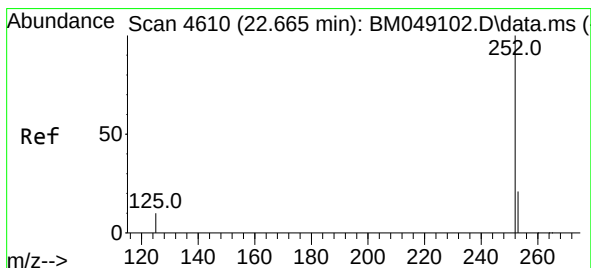
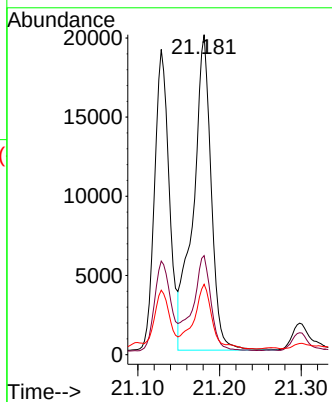
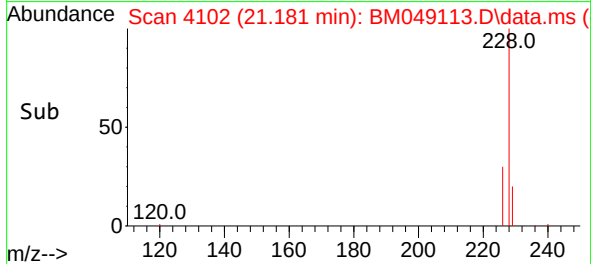
Instrument :
BNA_M
ClientSampleId :
E28Z2DL



Tgt Ion:228 Resp: 30389
Ion Ratio Lower Upper
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226 31.0 24.1 36.1
229 22.0 15.8 23.8

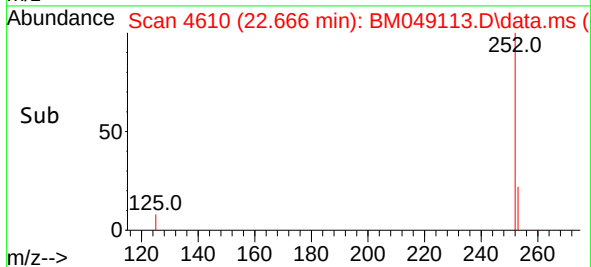
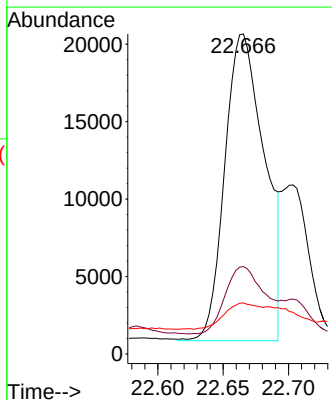
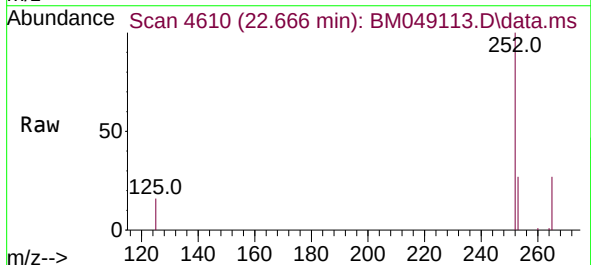
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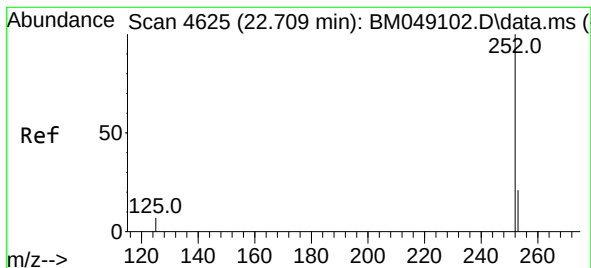
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#24
Benzo(b)fluoranthene
Concen: 0.416 ng/ul m
RT: 22.666 min Scan# 4610
Delta R.T. 0.003 min
Lab File: BM049113.D
Acq: 20 Dec 2024 22:49

Tgt Ion:252 Resp: 42060
Ion Ratio Lower Upper
252 100
253 27.3 0.0 52.6
125 16.0 0.0 30.8





#25

Benzo(k)fluoranthene

Concen: 0.132 ng/ul m

RT: 22.704 min Scan# 4

Delta R.T. -0.003 min

Lab File: BM049113.D

Acq: 20 Dec 2024 22:49

Instrument :

BNA_M

ClientSampleId :

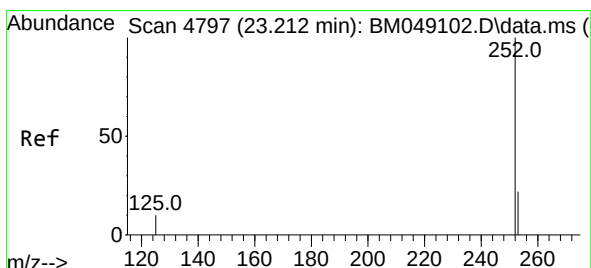
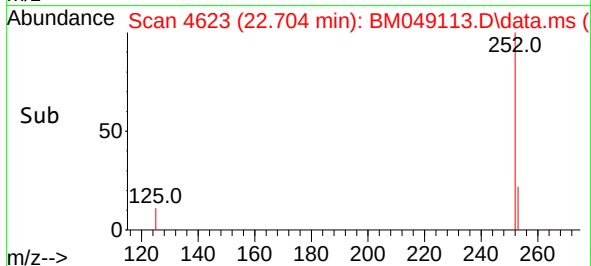
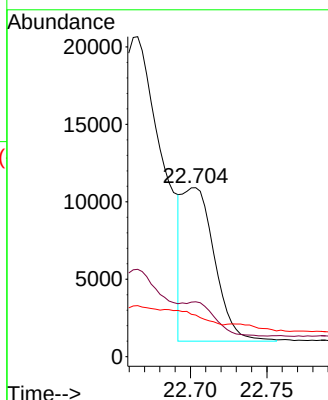
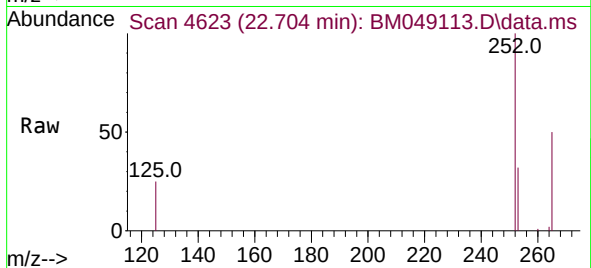
E28Z2DL

Tgt Ion:	252	Resp:	1461
Ion Ratio	Lower	Upper	
252	100		
253	32.4	21.3	31.9
125	24.6	12.6	18.8

Manual Integrations

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Supervised By :mohammad ahmed 12/24/2024



#26

Benzo(a)pyrene

Concen: 0.259 ng/ul

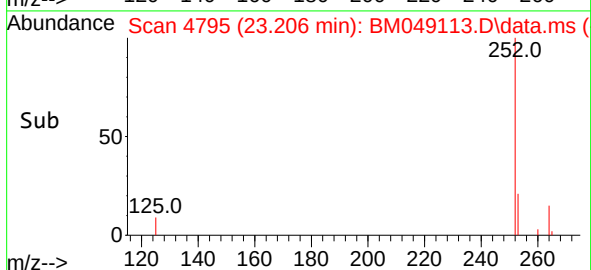
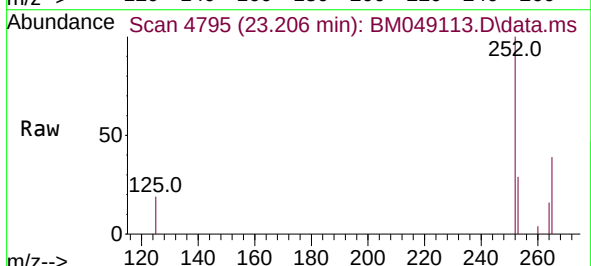
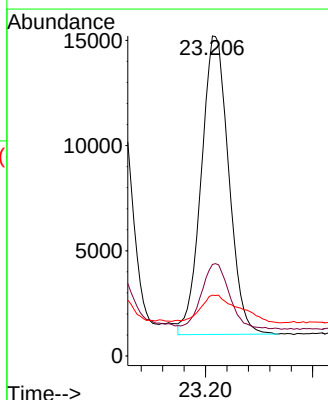
RT: 23.206 min Scan# 4795

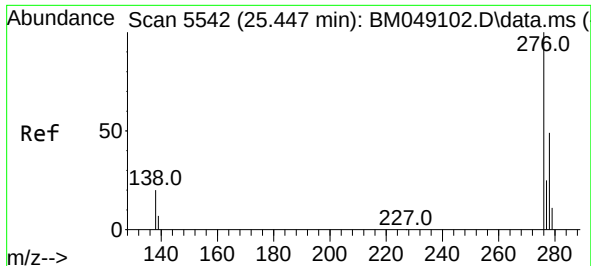
Delta R.T. -0.003 min

Lab File: BM049113.D

Acq: 20 Dec 2024 22:49

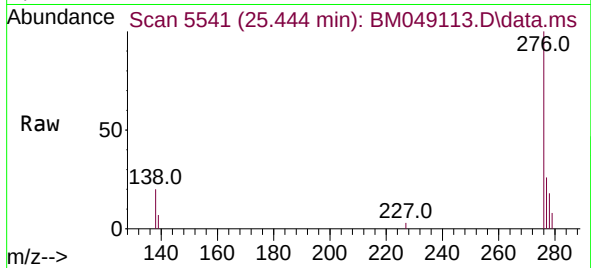
Tgt Ion:	252	Resp:	25178
Ion Ratio	Lower	Upper	
252	100		
253	28.6	22.4	33.6
125	19.0	14.8	22.2





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.176 ng/ul
RT: 25.444 min Scan# 5541
Delta R.T. -0.003 min
Lab File: BM049113.D
Acq: 20 Dec 2024 22:49

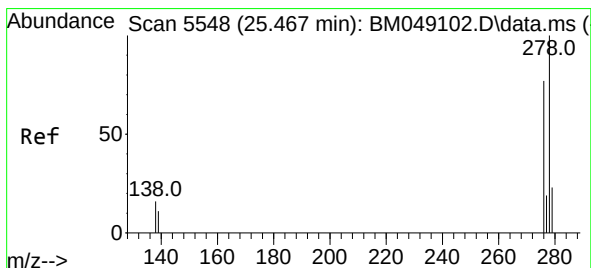
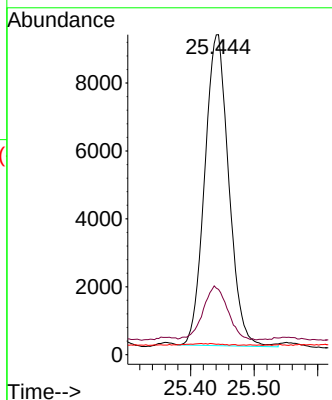
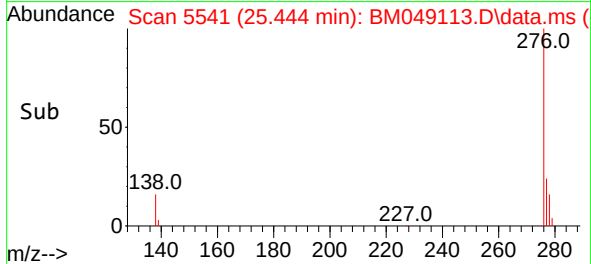
Instrument :
BNA_M
ClientSampleId :
E28Z2DL



Tgt Ion:276 Resp: 2410
Ion Ratio Lower Upper
276 100
138 17.8 17.4 26.2
227 0.0 0.2 0.2

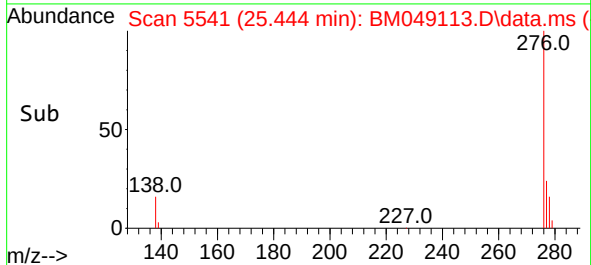
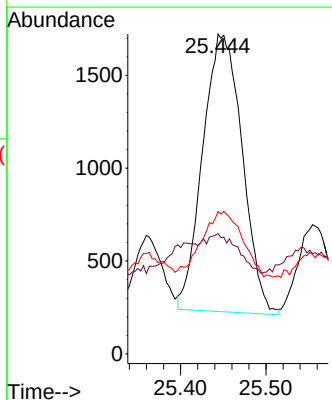
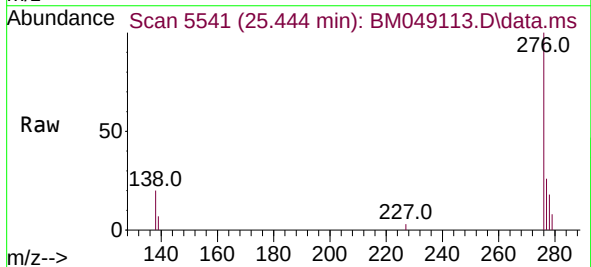
Manual Integrations
APPROVED

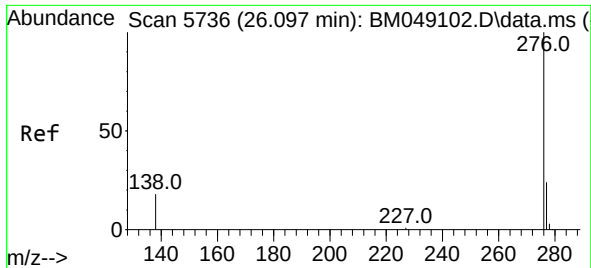
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#28
Dibenzo(a,h)anthracene
Concen: 0.045 ng/ul
RT: 25.444 min Scan# 5541
Delta R.T. -0.023 min
Lab File: BM049113.D
Acq: 20 Dec 2024 22:49

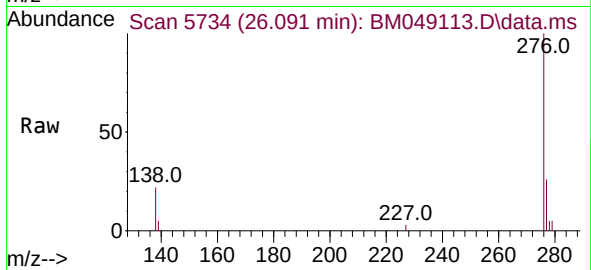
Tgt Ion:278 Resp: 4798
Ion Ratio Lower Upper
278 100
139 37.6 13.5 20.3#
279 44.5 21.5 32.3#





#29
Benzo(g,h,i)perylene
Concen: 0.246 ng/ul
RT: 26.091 min Scan# 51
Delta R.T. -0.003 min
Lab File: BM049113.D
Acq: 20 Dec 2024 22:49

Instrument :
BNA_M
ClientSampleId :
E28Z2DL



Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.0	16.7	25.1
277	25.5	19.9	29.9

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

