

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
 Data File : BM049024.D
 Acq On : 17 Dec 2024 16:26
 Operator : RC/JU
 Sample : P5155-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28T8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024

Quant Time: Dec 17 17:04:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 17 10:03:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.569	152	8552	0.400	ng/ul	0.00
4) Naphthalene-d8	10.332	136	24617	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.201	164	12851	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.951	188	26297m	0.400	ng/ul	0.00
17) Chrysene-d12	21.146	240	20621m	0.400	ng/ul	0.00
23) Perylene-d12	23.306	264	19428m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	34588	3.460	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.932	152	7028	0.224	ng/ul	0.00
18) Fluoranthene-d10	18.984	212	11990m	0.195	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.381	128	7562	0.120	ng/ul	97
7) 2-Methylnaphthalene	12.003	142	3652	0.095	ng/ul	99
8) 1-Methylnaphthalene	12.223	142	2057	0.052	ng/ul	95
10) Acenaphthylene	13.919	152	1949	0.036	ng/ul#	83
11) Acenaphthene	14.266	153	1176	0.029	ng/ul	97
12) Fluorene	15.256	166	1765	0.039	ng/ul#	89
15) Phenanthrene	16.994	178	36466m	0.506	ng/ul	
16) Anthracene	17.082	178	7835m	0.122	ng/ul	
19) Fluoranthene	19.012	202	75058m	0.878	ng/ul	
20) Pyrene	19.379	202	57526m	0.624	ng/ul	
21) Benzo(a)anthracene	21.131	228	35670m	0.492	ng/ul	
22) Chrysene	21.181	228	45299m	0.552	ng/ul	
24) Benzo(b)fluoranthene	22.662	252	62760m	0.935	ng/ul	
25) Benzo(k)fluoranthene	22.703	252	24876m	0.320	ng/ul	
26) Benzo(a)pyrene	23.212	252	27266m	0.439	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.444	276	29035m	0.333	ng/ul	
28) Dibenzo(a,h)anthracene	25.460	278	8728m	0.129	ng/ul	
29) Benzo(g,h,i)perylene	26.101	276	5243m	0.075	ng/ul	

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

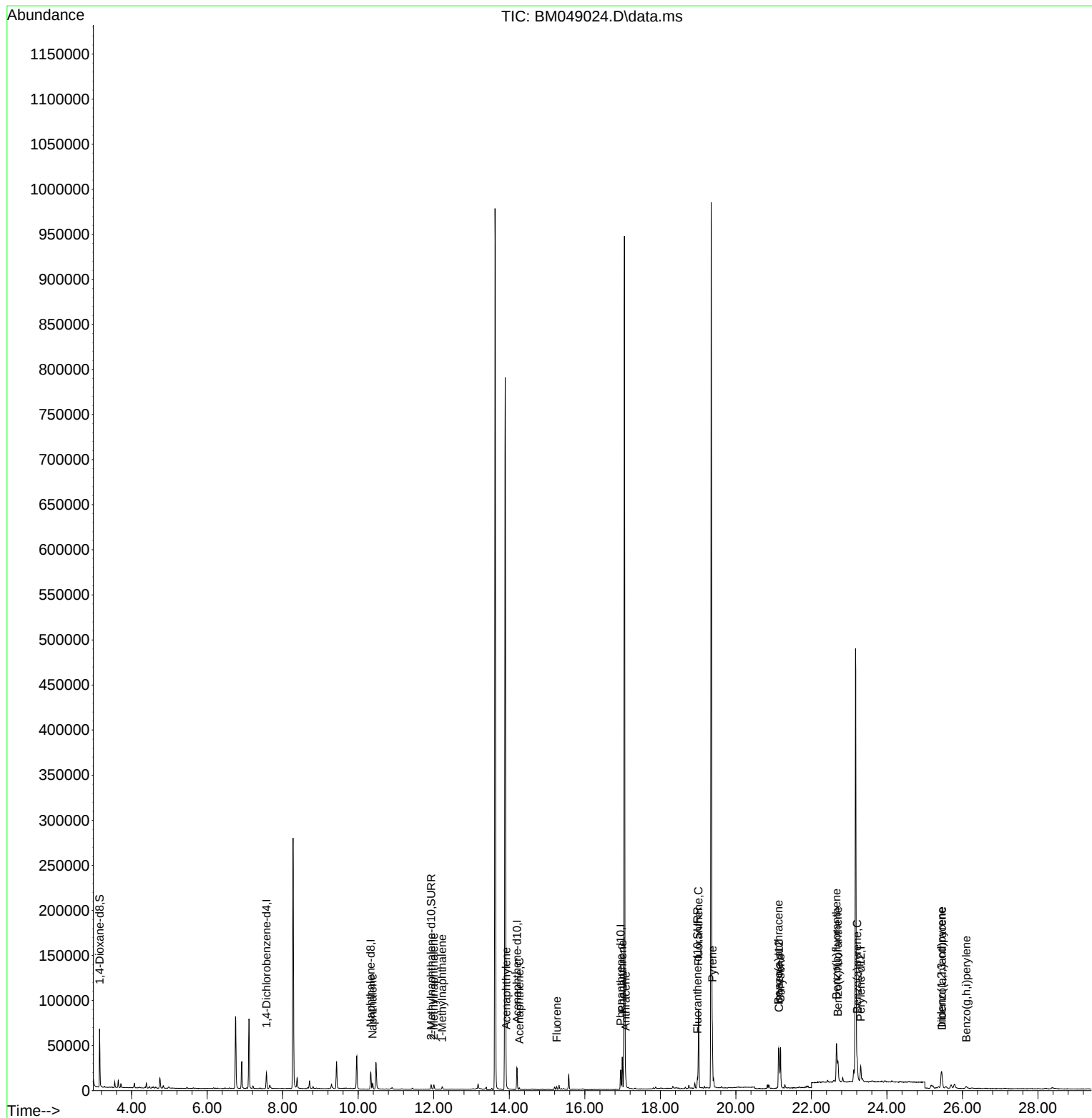
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049024.D
Acq On : 17 Dec 2024 16:26
Operator : RC/JU
Sample : P5155-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

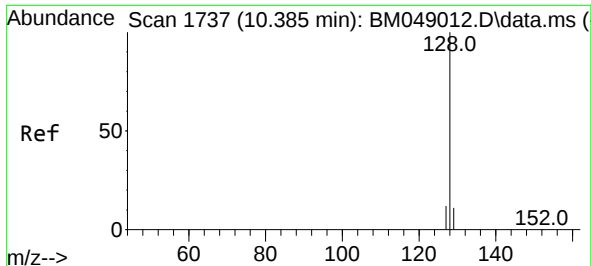
Instrument :
BNA_M
ClientSampleId :
E28T8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

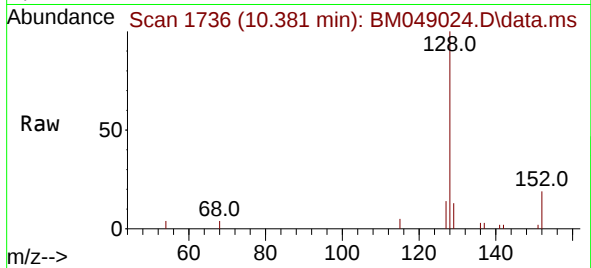
Quant Time: Dec 17 17:04:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.120 ng/ul
RT: 10.381 min Scan# 1736
Delta R.T. -0.004 min
Lab File: BM049024.D
Acq: 17 Dec 2024 16:26

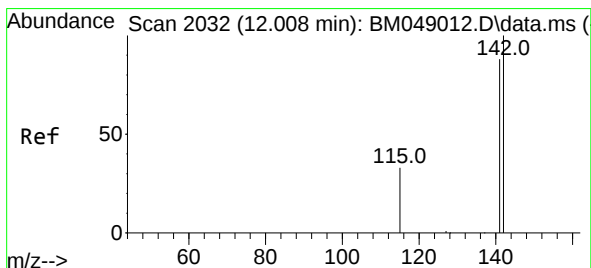
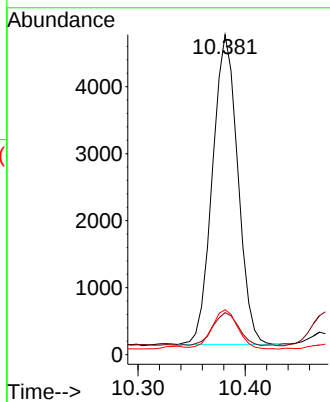
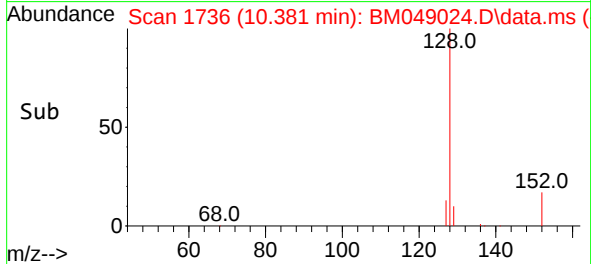
Instrument :
BNA_M
ClientSampleId :
E28T8



Tgt Ion:128 Resp: 7562
Ion Ratio Lower Upper
128 100
129 13.2 9.4 14.2
127 14.1 10.6 16.0

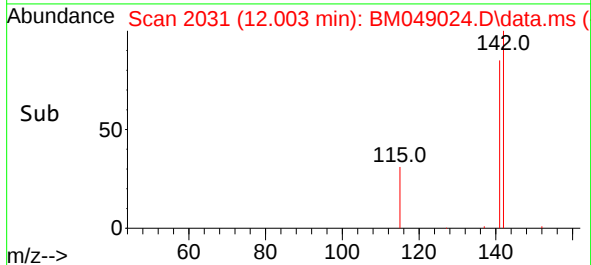
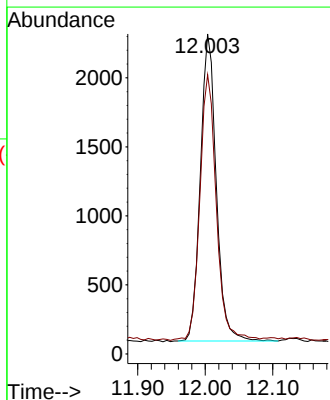
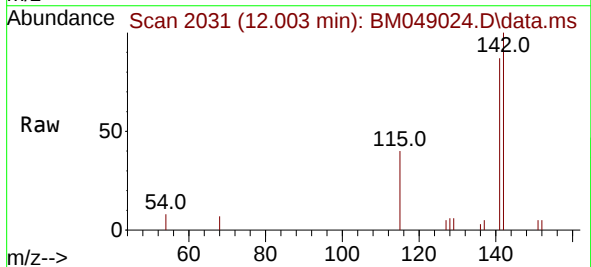
Manual Integrations
APPROVED

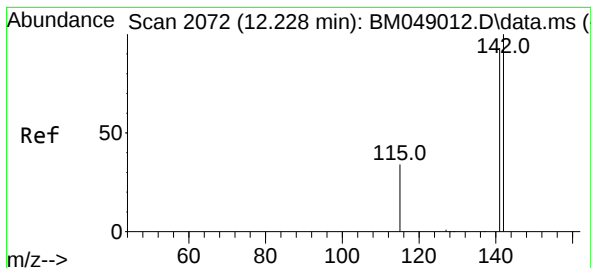
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#7
2-Methylnaphthalene
Concen: 0.095 ng/ul
RT: 12.003 min Scan# 2031
Delta R.T. -0.004 min
Lab File: BM049024.D
Acq: 17 Dec 2024 16:26

Tgt Ion:142 Resp: 3652
Ion Ratio Lower Upper
142 100
141 89.6 71.2 106.8





#8

1-Methylnaphthalene

Concen: 0.052 ng/ul

RT: 12.223 min Scan# 2072

Delta R.T. -0.004 min

Lab File: BM049024.D

Acq: 17 Dec 2024 16:26

Instrument :

BNA_M

ClientSampleId :

E28T8

Tgt Ion:142 Resp: 205

Ion Ratio Lower Upper

142 100

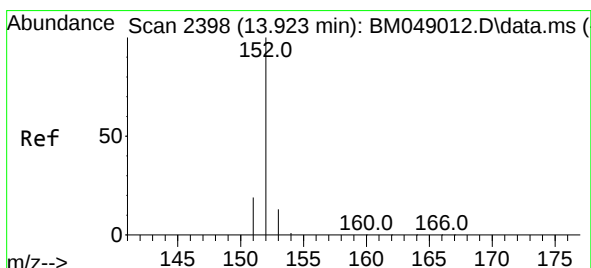
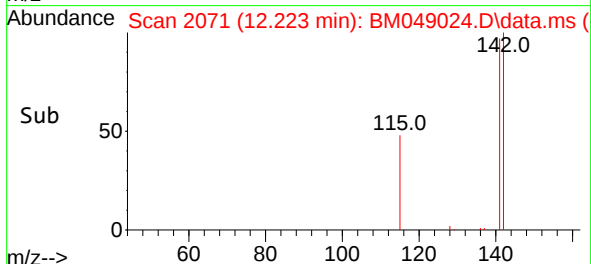
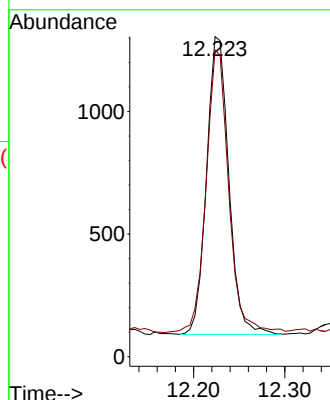
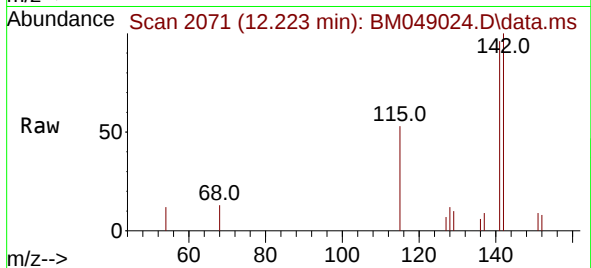
141 95.9 72.8 109.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/18/2024

Supervised By :mohammad ahmed 12/18/2024



#10

Acenaphthylene

Concen: 0.036 ng/ul

RT: 13.919 min Scan# 2397

Delta R.T. -0.003 min

Lab File: BM049024.D

Acq: 17 Dec 2024 16:26

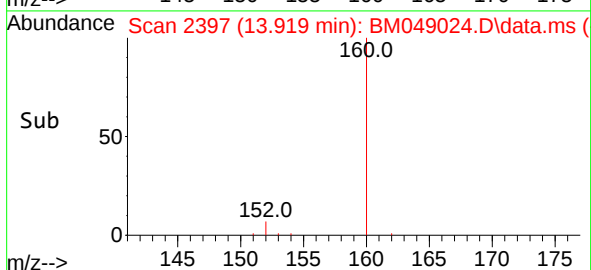
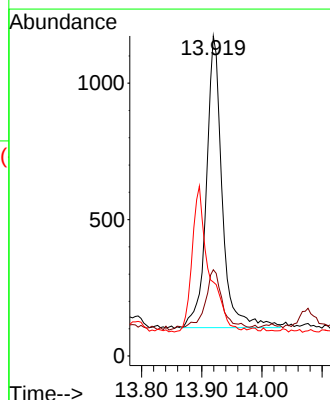
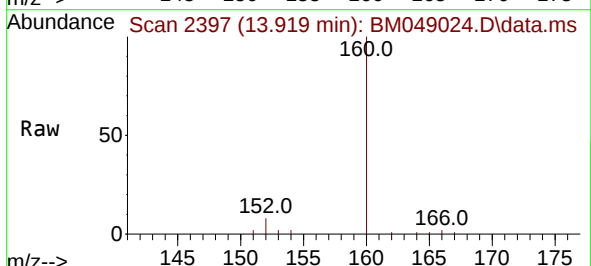
Tgt Ion:152 Resp: 1949

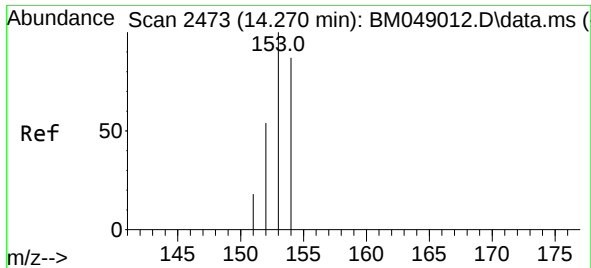
Ion Ratio Lower Upper

152 100

151 26.9 16.3 24.5#

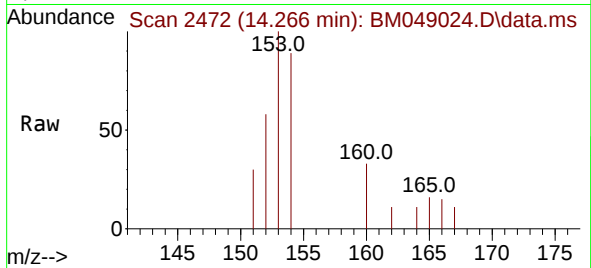
153 23.1 11.2 16.8#





#11
Acenaphthene
Concen: 0.029 ng/ul
RT: 14.266 min Scan# 2472
Delta R.T. -0.003 min
Lab File: BM049024.D
Acq: 17 Dec 2024 16:26

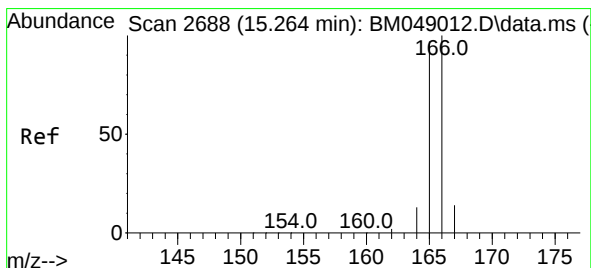
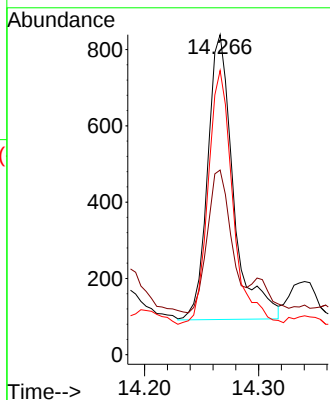
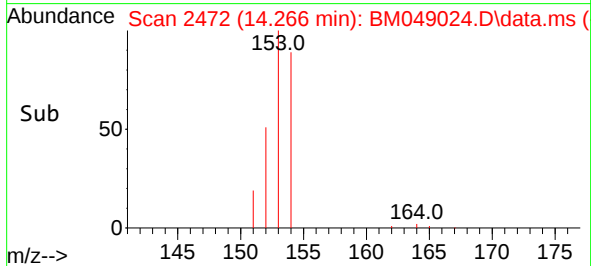
Instrument :
BNA_M
ClientSampleId :
E28T8



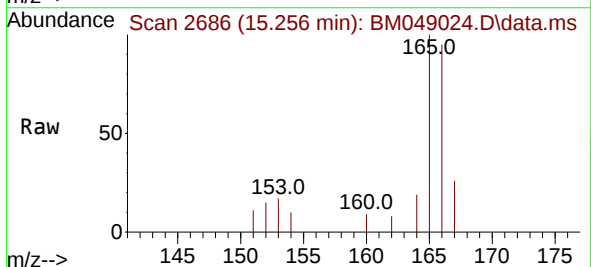
Tgt Ion:153 Resp: 1170
Ion Ratio Lower Upper
153 100
152 57.7 43.5 65.3
154 88.8 69.5 104.3

Manual Integrations
APPROVED

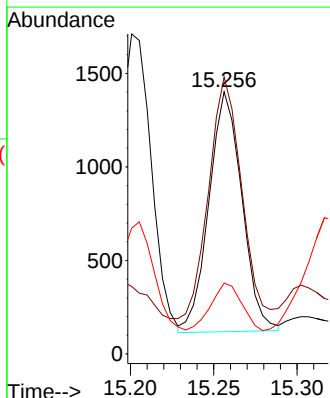
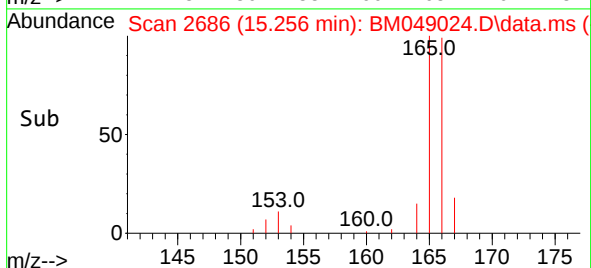
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

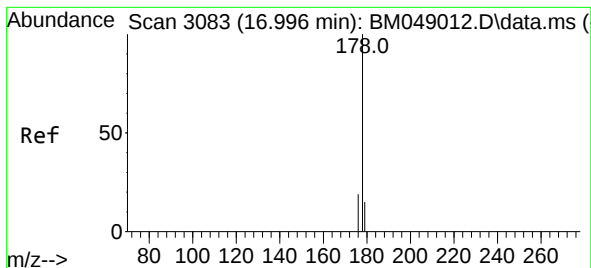


#12
Fluorene
Concen: 0.039 ng/ul
RT: 15.256 min Scan# 2686
Delta R.T. -0.008 min
Lab File: BM049024.D
Acq: 17 Dec 2024 16:26



Tgt Ion:166 Resp: 1765
Ion Ratio Lower Upper
166 100
165 105.6 78.1 117.1
167 27.0 11.6 17.4#





#15

Phenanthrene

Concen: 0.506 ng/ul m

RT: 16.994 min Scan# 3082

Delta R.T. -0.003 min

Lab File: BM049024.D

Acq: 17 Dec 2024 16:26

Instrument :

BNA_M

ClientSampleId :

E28T8

Tgt Ion:178 Resp: 3646

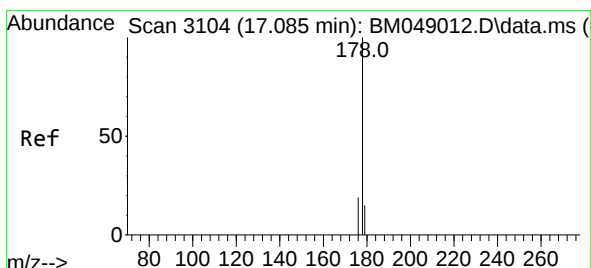
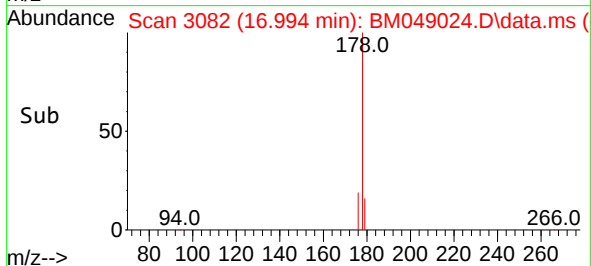
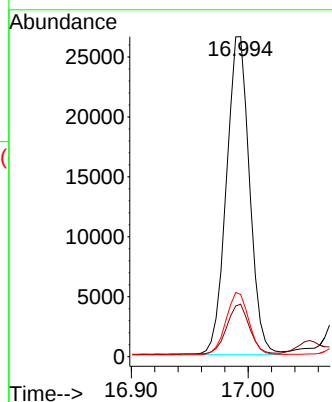
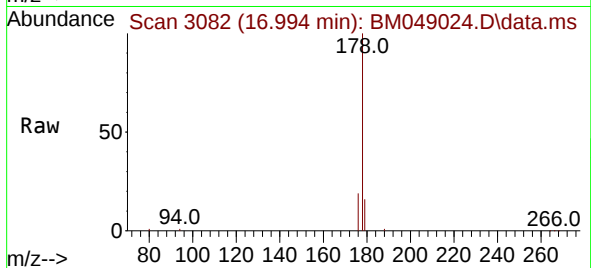
Ion	Ratio	Lower	Upper
178	100		
179	16.4	13.0	19.6
176	19.5	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/18/2024

Supervised By :mohammad ahmed 12/18/2024



#16

Anthracene

Concen: 0.122 ng/ul m

RT: 17.082 min Scan# 3103

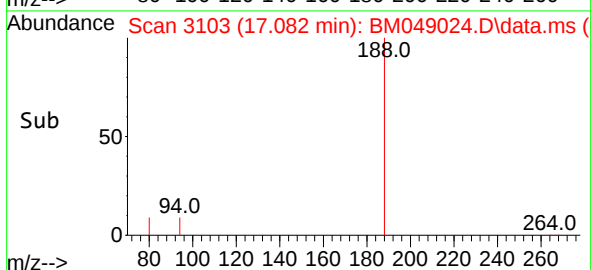
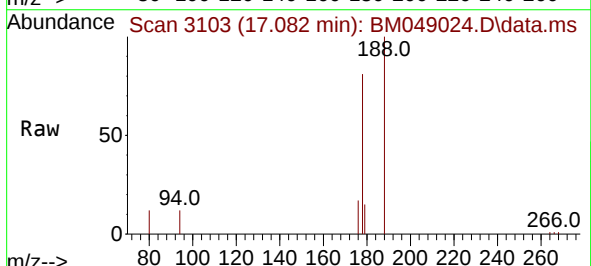
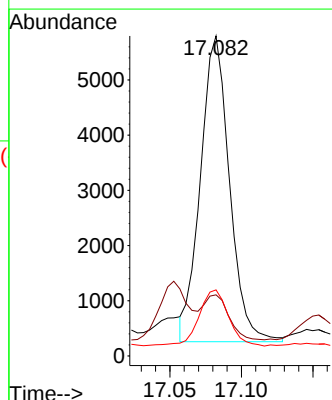
Delta R.T. -0.003 min

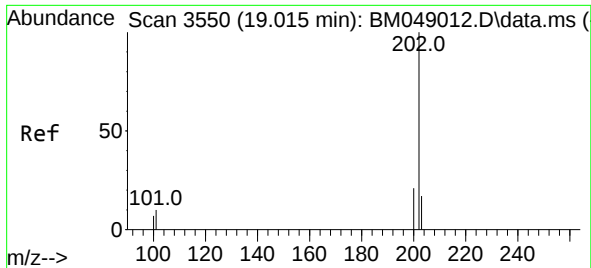
Lab File: BM049024.D

Acq: 17 Dec 2024 16:26

Tgt Ion:178 Resp: 7835

Ion	Ratio	Lower	Upper
178	100		
179	19.1	13.0	19.4
176	20.7	15.0	22.6





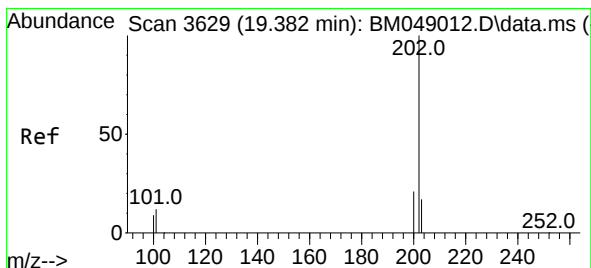
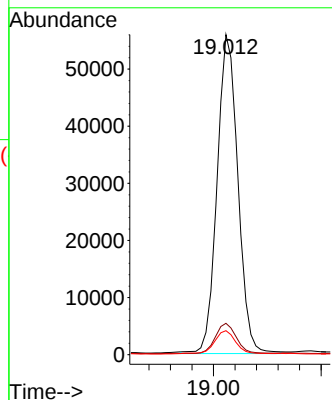
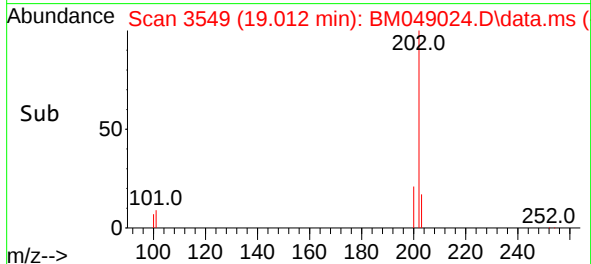
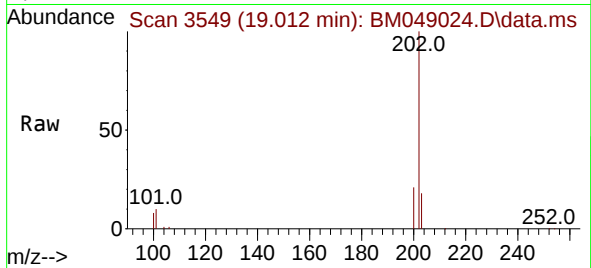
#19
Fluoranthene
Concen: 0.878 ng/ul m
RT: 19.012 min Scan# 3549
Delta R.T. -0.003 min
Lab File: BM049024.D
Acq: 17 Dec 2024 16:26

Instrument :
BNA_M
ClientSampleId :
E28T8

Tgt Ion:202 Resp: 75058
Ion Ratio Lower Upper
202 100
101 9.8 9.7 14.5
100 7.5 7.3 10.9

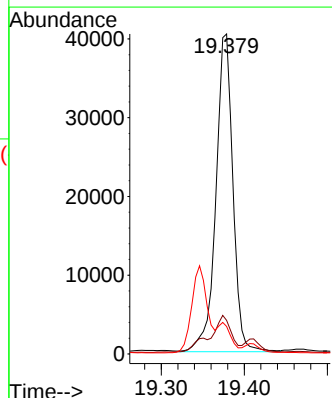
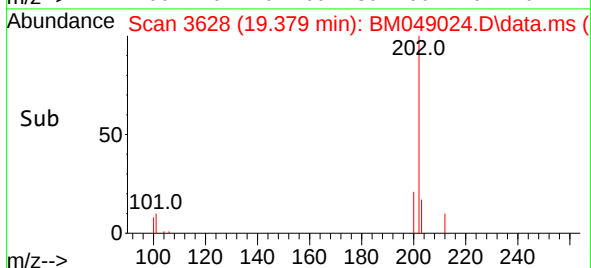
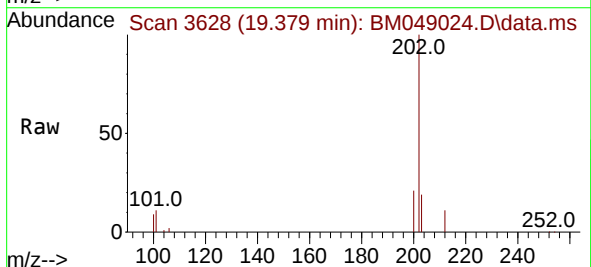
Manual Integrations
APPROVED

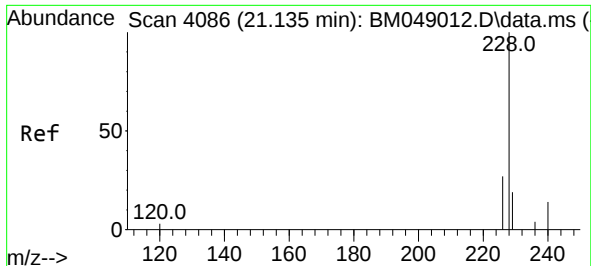
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#20
Pyrene
Concen: 0.624 ng/ul m
RT: 19.379 min Scan# 3628
Delta R.T. -0.003 min
Lab File: BM049024.D
Acq: 17 Dec 2024 16:26

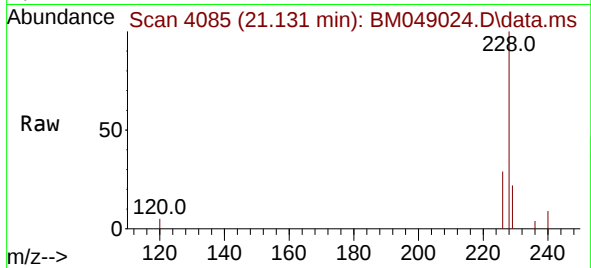
Tgt Ion:202 Resp: 57526
Ion Ratio Lower Upper
202 100
101 10.5 10.6 16.0#
100 8.6 8.4 12.6





#21
Benzo(a)anthracene
Concen: 0.492 ng/ul m
RT: 21.131 min Scan# 4086
Delta R.T. -0.003 min
Lab File: BM049024.D
Acq: 17 Dec 2024 16:26

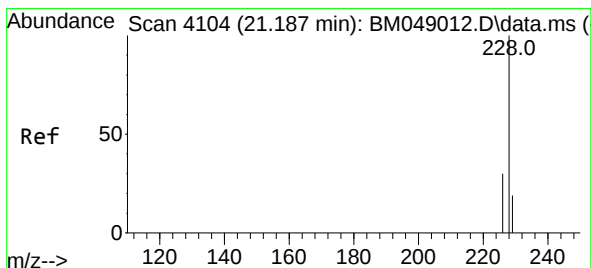
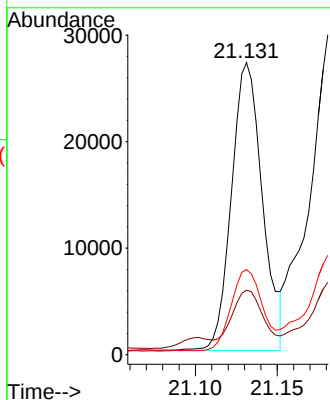
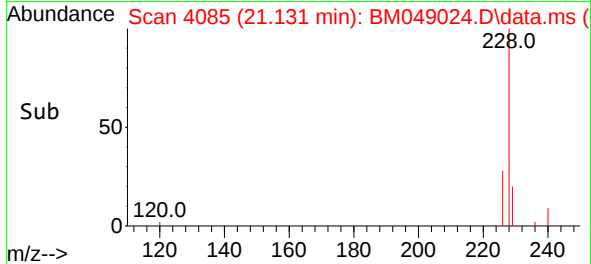
Instrument :
BNA_M
ClientSampleId :
E28T8



Tgt Ion:228 Resp: 35670
Ion Ratio Lower Upper
228 100
229 22.1 15.7 23.5
226 29.1 23.0 34.4

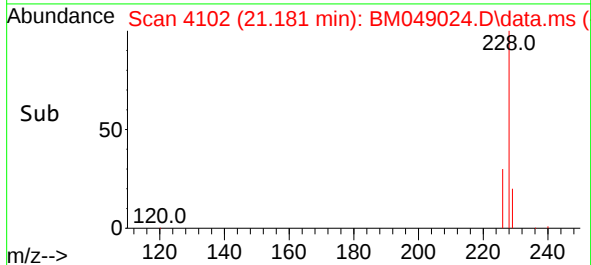
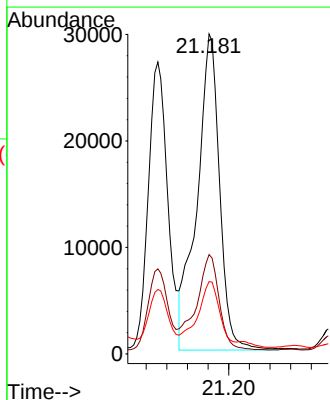
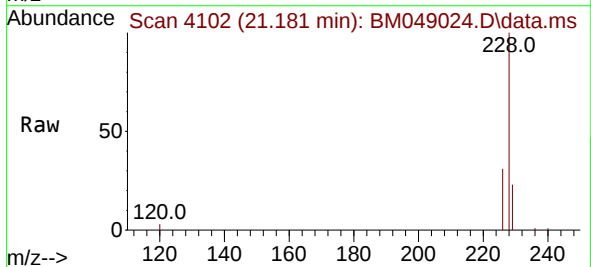
Manual Integrations
APPROVED

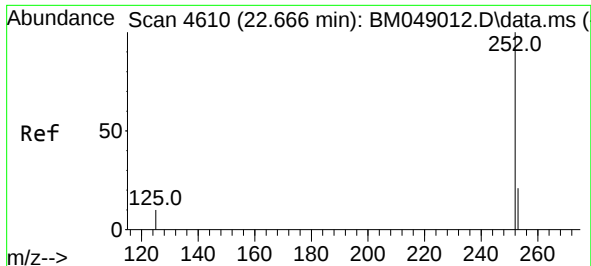
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#22
Chrysene
Concen: 0.552 ng/ul m
RT: 21.181 min Scan# 4102
Delta R.T. -0.006 min
Lab File: BM049024.D
Acq: 17 Dec 2024 16:26

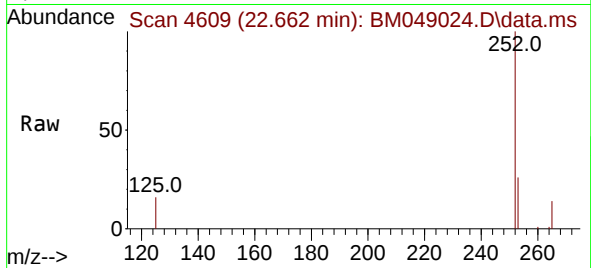
Tgt Ion:228 Resp: 45299
Ion Ratio Lower Upper
228 100
226 31.1 24.8 37.2
229 22.6 16.0 24.0





#24
Benzo(b)fluoranthene
Concen: 0.935 ng/ul m
RT: 22.662 min Scan# 4609
Delta R.T. -0.003 min
Lab File: BM049024.D
Acq: 17 Dec 2024 16:26

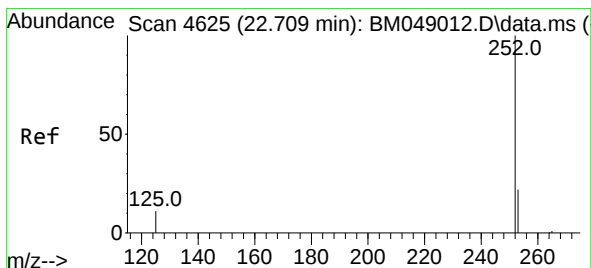
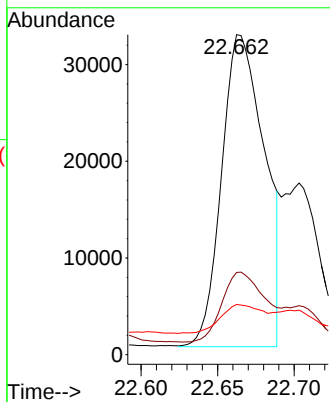
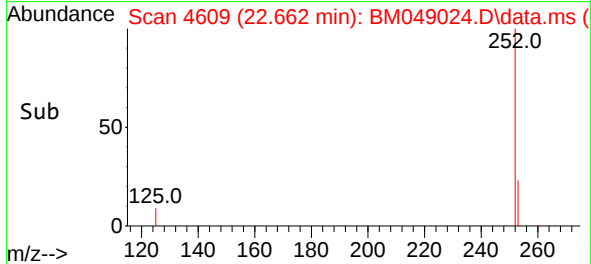
Instrument :
BNA_M
ClientSampleId :
E28T8



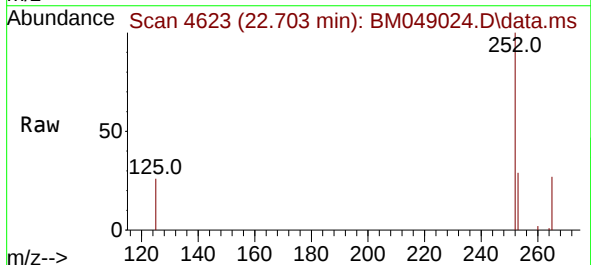
Tgt Ion:252 Resp: 62760
Ion Ratio Lower Upper
252 100
253 25.7 0.0 51.0
125 15.7 0.0 36.6

Manual Integrations
APPROVED

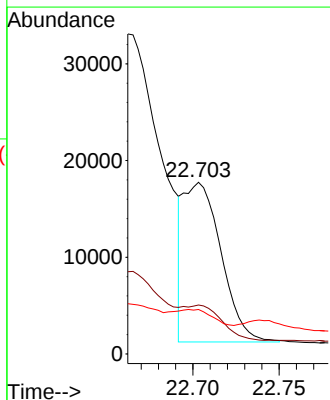
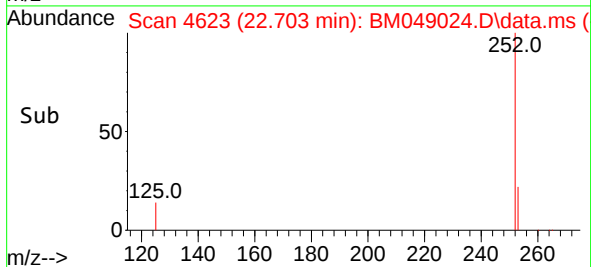
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

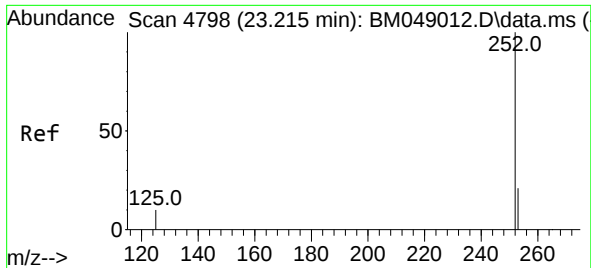


#25
Benzo(k)fluoranthene
Concen: 0.320 ng/ul m
RT: 22.703 min Scan# 4623
Delta R.T. -0.006 min
Lab File: BM049024.D
Acq: 17 Dec 2024 16:26



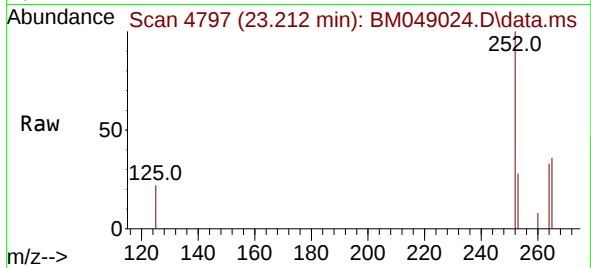
Tgt Ion:252 Resp: 24876
Ion Ratio Lower Upper
252 100
253 28.5 20.5 30.7
125 25.9 17.3 25.9#





#26
Benzo(a)pyrene
Concen: 0.439 ng/ul m
RT: 23.212 min Scan# 4798
Delta R.T. -0.003 min
Lab File: BM049024.D
Acq: 17 Dec 2024 16:26

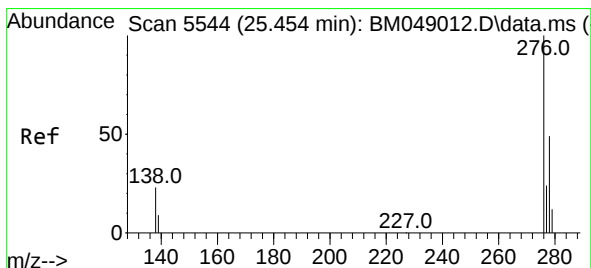
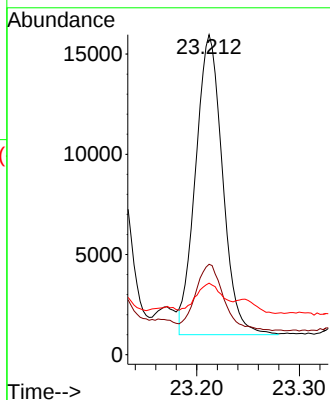
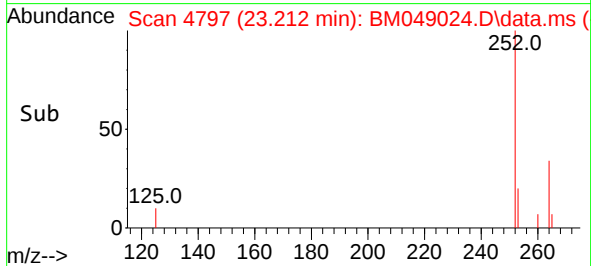
Instrument :
BNA_M
ClientSampleId :
E28T8



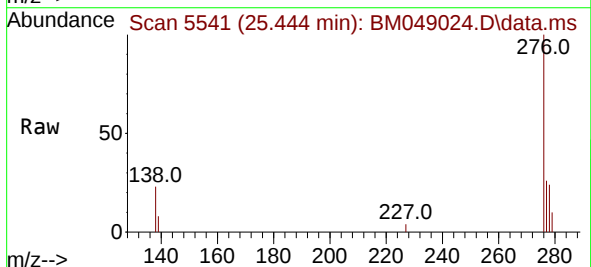
Tgt Ion:252 Resp: 27260
Ion Ratio Lower Upper
252 100
253 28.2 21.8 32.8
125 22.3 18.6 27.8

Manual Integrations
APPROVED

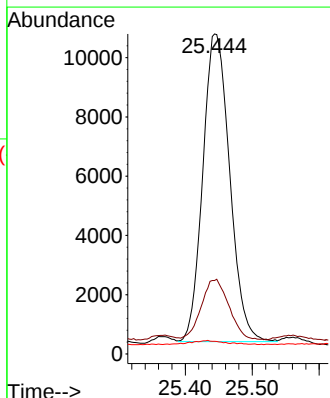
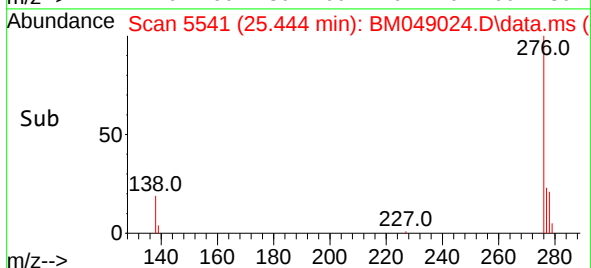
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

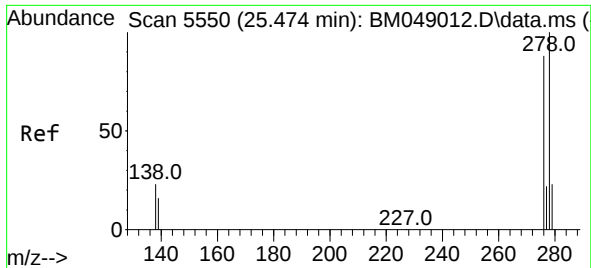


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.333 ng/ul m
RT: 25.444 min Scan# 5541
Delta R.T. -0.010 min
Lab File: BM049024.D
Acq: 17 Dec 2024 16:26



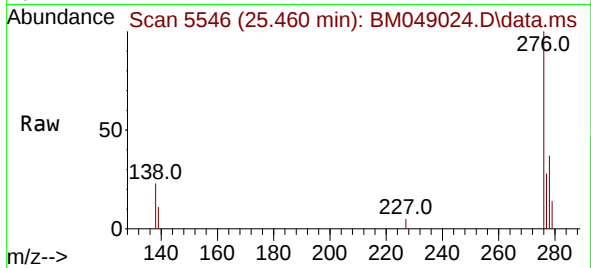
Tgt Ion:276 Resp: 29035
Ion Ratio Lower Upper
276 100
138 2.6 22.1 33.1#
227 0.2 0.2 0.2#





#28
Dibenzo(a,h)anthracene
Concen: 0.129 ng/ul m
RT: 25.460 min Scan# 5546
Delta R.T. -0.014 min
Lab File: BM049024.D
Acq: 17 Dec 2024 16:26

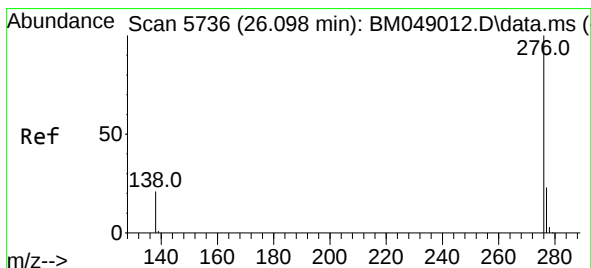
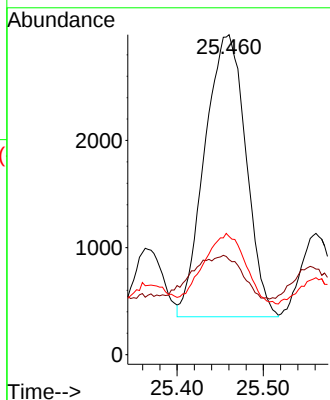
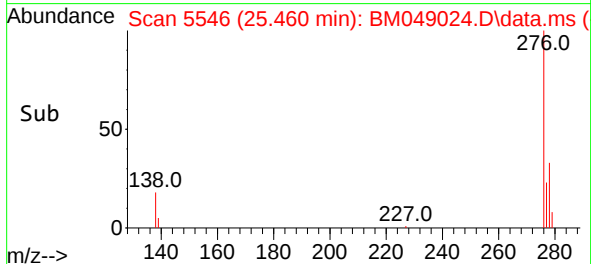
Instrument :
BNA_M
ClientSampleId :
E28T8



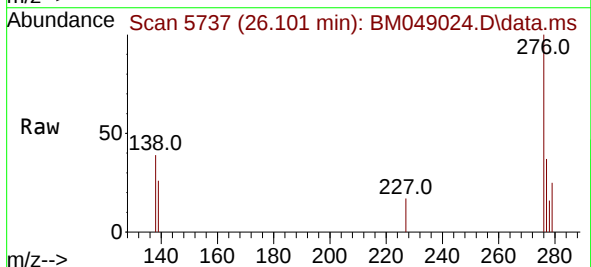
Tgt Ion:278 Resp: 8728
Ion Ratio Lower Upper
278 100
139 29.7 17.4 26.0#
279 36.9 21.1 31.7#

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#29
Benzo(g,h,i)perylene
Concen: 0.075 ng/ul m
RT: 26.101 min Scan# 5737
Delta R.T. 0.003 min
Lab File: BM049024.D
Acq: 17 Dec 2024 16:26



Tgt Ion:276 Resp: 5243
Ion Ratio Lower Upper
276 100
138 39.5 19.8 29.6#
277 36.7 19.6 29.4#

