

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049146.D
 Acq On : 23 Dec 2024 15:00
 Operator : RC/JU
 Sample : P5226-07DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2AP5DL

Manual Integrations
 APPROVED

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

Quant Time: Dec 23 16:07:40 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	6653	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.315	136	19411	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.192	164	11211	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.939	188	23440	0.400	ng/ul	-0.01
17) Chrysene-d12	21.140	240	19829	0.400	ng/ul	0.00
23) Perylene-d12	23.297	264	20012m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.147	96	4986	0.650	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.921	152	1005	0.039	ng/ul	0.00
18) Fluoranthene-d10	18.974	212	2438	0.043	ng/ul	0.00
Target Compounds						
					Qvalue	
10) Acenaphthylene	13.905	152	20495	0.441	ng/ul	100
15) Phenanthrene	16.981	178	2111	0.034	ng/ul#	90
16) Anthracene	17.074	178	4776	0.085	ng/ul#	94
19) Fluoranthene	19.007	202	22337	0.312	ng/ul	99
20) Pyrene	19.365	202	22777	0.298	ng/ul	99
21) Benzo(a)anthracene	21.125	228	27505m	0.399	ng/ul	
22) Chrysene	21.178	228	27414	0.370	ng/ul	98
24) Benzo(b)fluoranthene	22.659	252	78161m	1.223	ng/ul	
25) Benzo(k)fluoranthene	22.697	252	29232m	0.417	ng/ul	
26) Benzo(a)pyrene	23.203	252	30940m	0.505	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.430	276	36528	0.421	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.440	278	10380	0.154	ng/ul#	90
29) Benzo(g,h,i)perylene	26.081	276	5456	0.078	ng/ul#	86

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

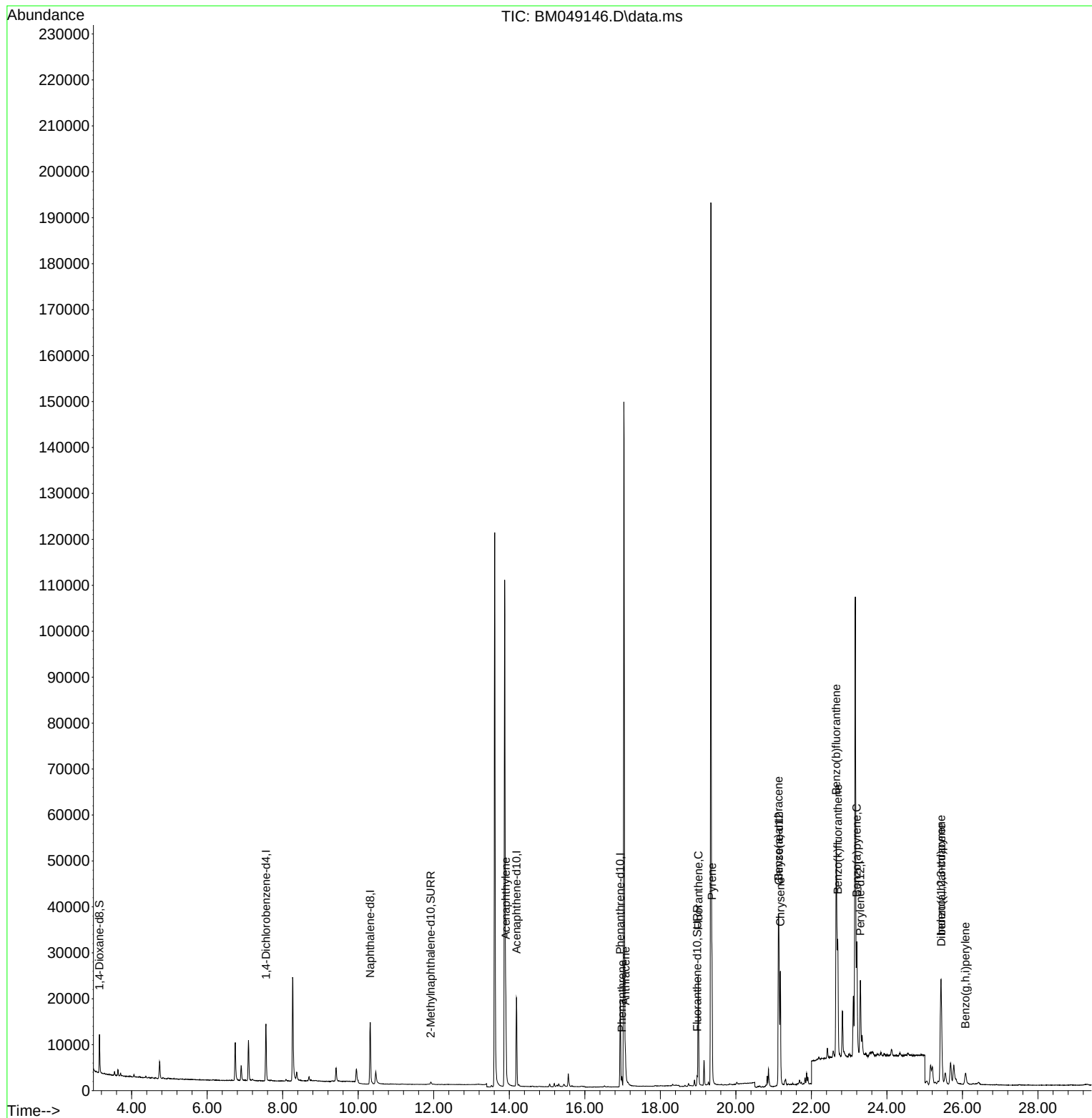
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049146.D
Acq On : 23 Dec 2024 15:00
Operator : RC/JU
Sample : P5226-07DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

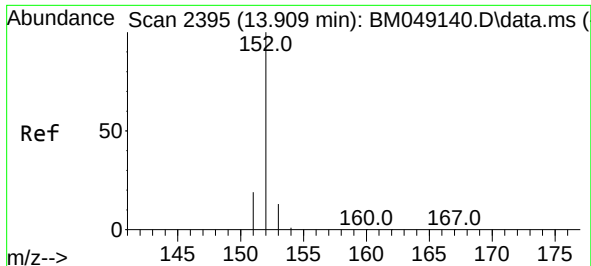
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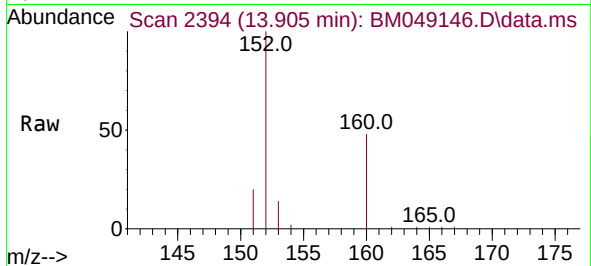
Quant Time: Dec 23 16:07:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
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#10
Acenaphthylene
Concen: 0.441 ng/ul
RT: 13.905 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM049146.D
Acq: 23 Dec 2024 15:00

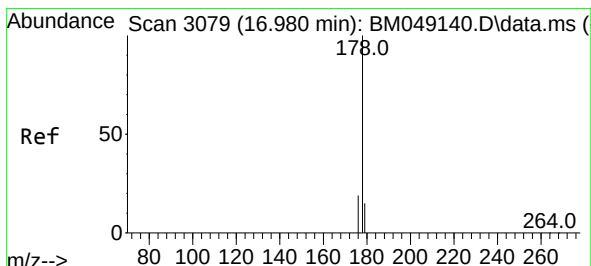
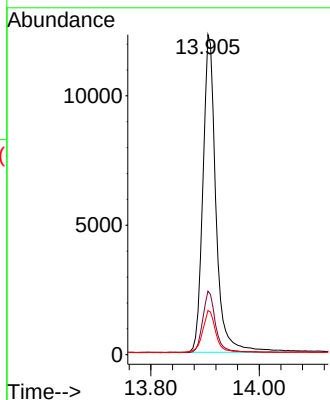
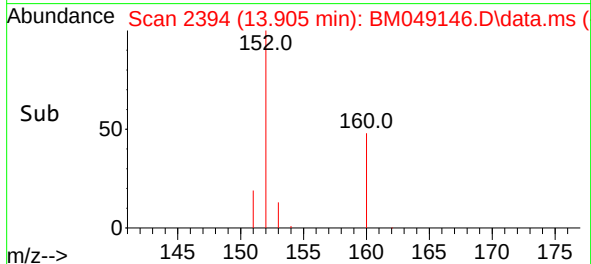
Instrument :
BNA_M
ClientSampleId :
E2AP5DL



Tgt Ion:152 Resp: 2049
Ion Ratio Lower Upper
152 100
151 19.8 16.0 24.0
153 13.8 11.0 16.6

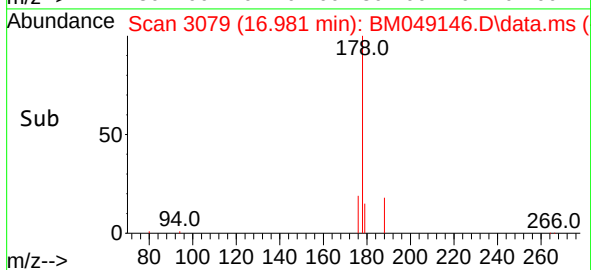
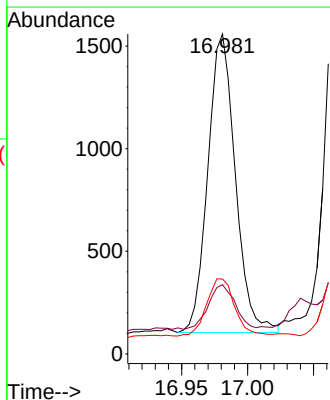
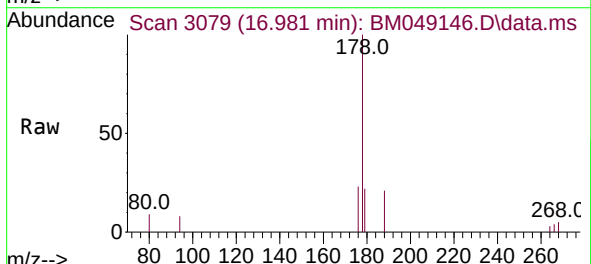
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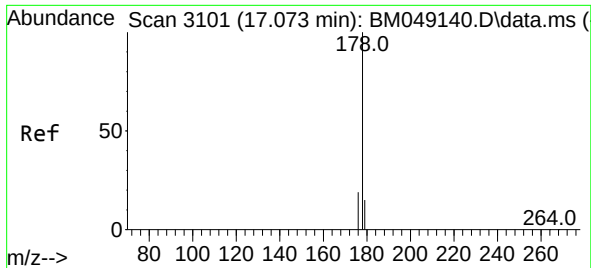
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#15
Phenanthrene
Concen: 0.034 ng/ul
RT: 16.981 min Scan# 3079
Delta R.T. -0.011 min
Lab File: BM049146.D
Acq: 23 Dec 2024 15:00

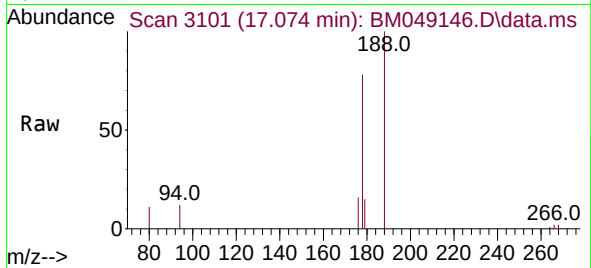
Tgt Ion:178 Resp: 2111
Ion Ratio Lower Upper
178 100
179 21.6 13.0 19.4#
176 23.4 16.2 24.2





#16
Anthracene
Concen: 0.085 ng/ul
RT: 17.074 min Scan# 3101
Delta R.T. -0.011 min
Lab File: BM049146.D
Acq: 23 Dec 2024 15:00

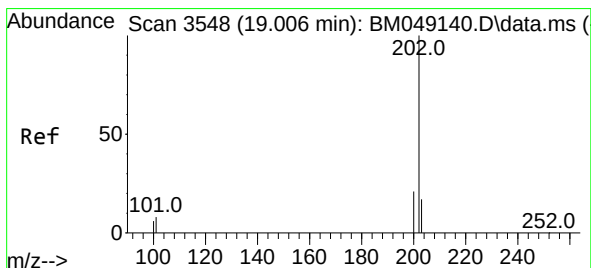
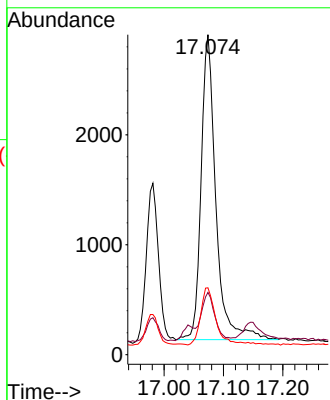
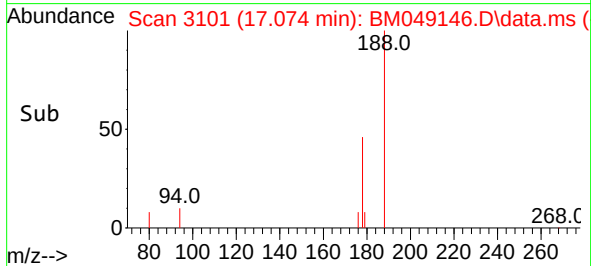
Instrument :
BNA_M
ClientSampleId :
E2AP5DL



Tgt Ion:178 Resp: 4770
Ion Ratio Lower Upper
178 100
179 19.5 12.9 19.3
176 20.9 15.3 22.9

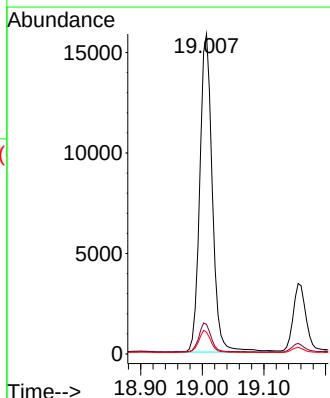
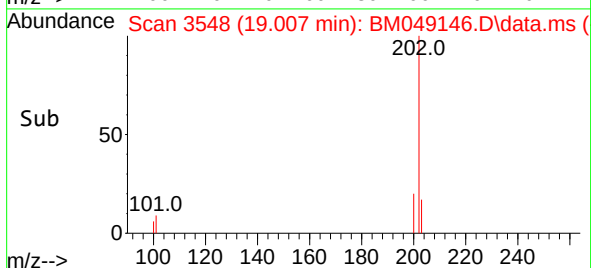
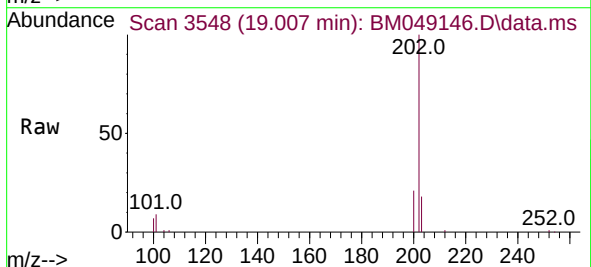
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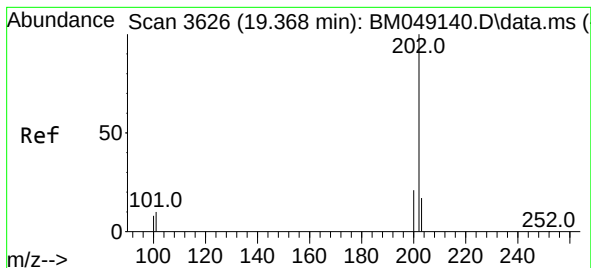
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#19
Fluoranthene
Concen: 0.312 ng/ul
RT: 19.007 min Scan# 3548
Delta R.T. -0.008 min
Lab File: BM049146.D
Acq: 23 Dec 2024 15:00

Tgt Ion:202 Resp: 22337
Ion Ratio Lower Upper
202 100
101 9.2 7.6 11.4
100 6.8 5.5 8.3





#20

Pyrene

Concen: 0.298 ng/ul

RT: 19.365 min Scan# 30

Delta R.T. -0.012 min

Lab File: BM049146.D

Acq: 23 Dec 2024 15:00

Instrument :

BNA_M

ClientSampleId :

E2AP5DL

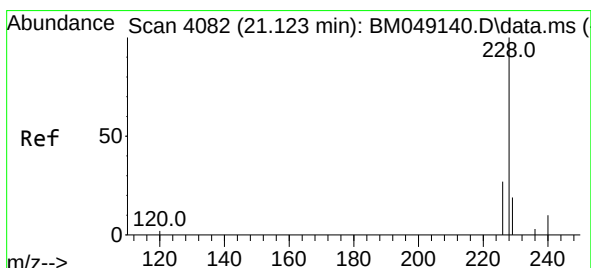
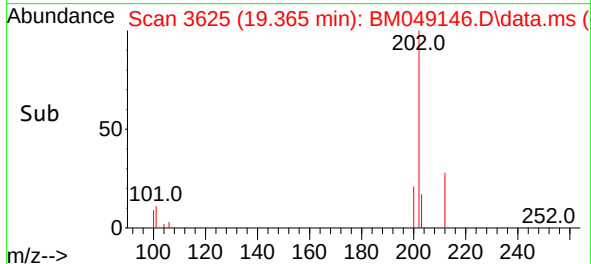
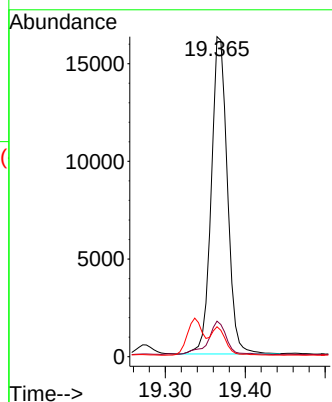
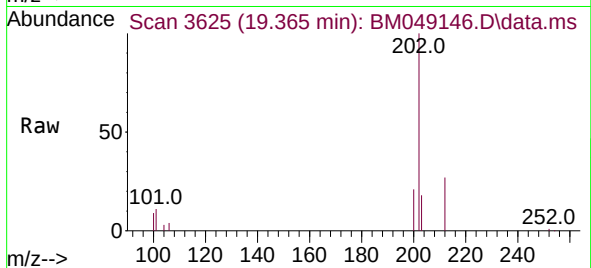
Tgt Ion:	202	Resp:	2277
Ion Ratio	Lower	Upper	
202	100		
101	11.1	8.9	13.3
100	9.3	6.9	10.3

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#21

Benzo(a)anthracene

Concen: 0.399 ng/ul m

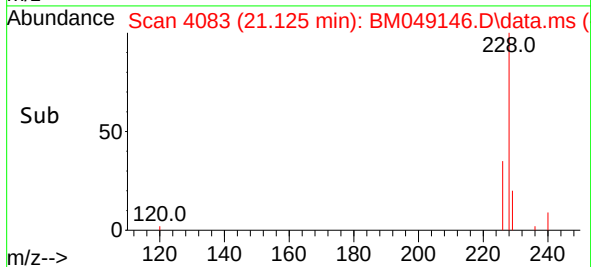
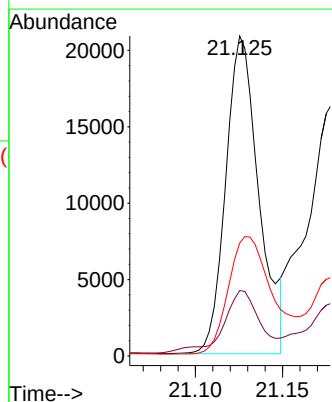
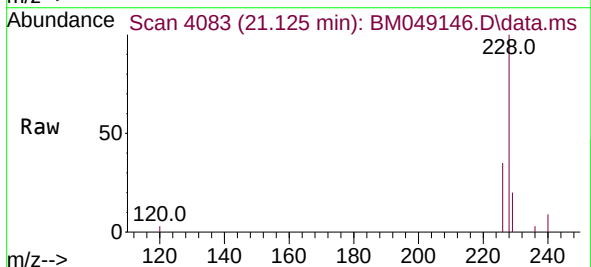
RT: 21.125 min Scan# 4083

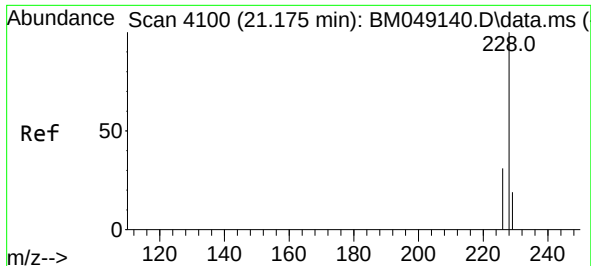
Delta R.T. -0.006 min

Lab File: BM049146.D

Acq: 23 Dec 2024 15:00

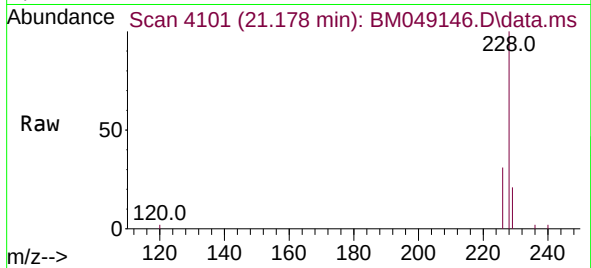
Tgt Ion:	228	Resp:	27505
Ion Ratio	Lower	Upper	
228	100		
229	20.5	15.9	23.9
226	35.3	22.6	34.0





#22
Chrysene
Concen: 0.370 ng/ul
RT: 21.178 min Scan# 4101
Delta R.T. -0.006 min
Lab File: BM049146.D
Acq: 23 Dec 2024 15:00

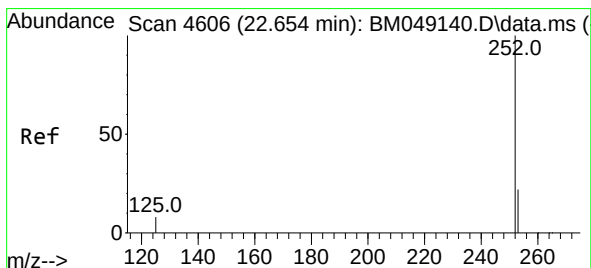
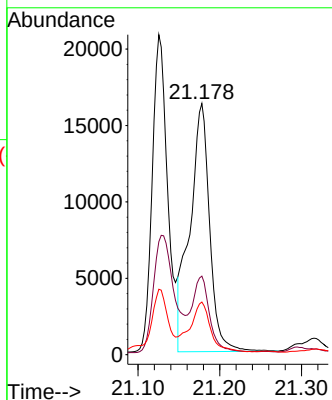
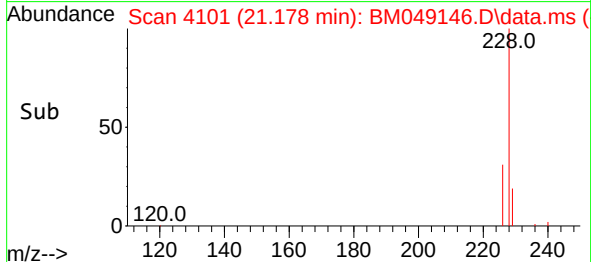
Instrument :
BNA_M
ClientSampleId :
E2AP5DL



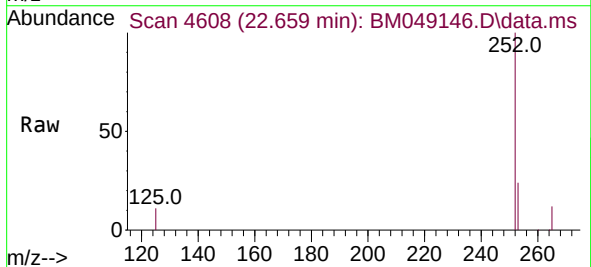
Tgt Ion:228 Resp: 27414
Ion Ratio Lower Upper
228 100
226 31.3 24.1 36.1
229 21.0 15.8 23.8

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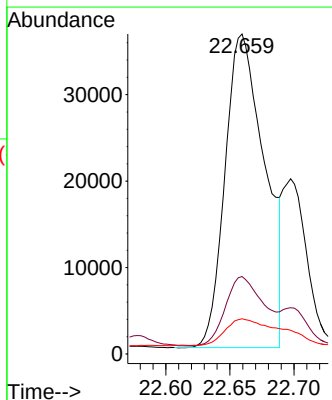
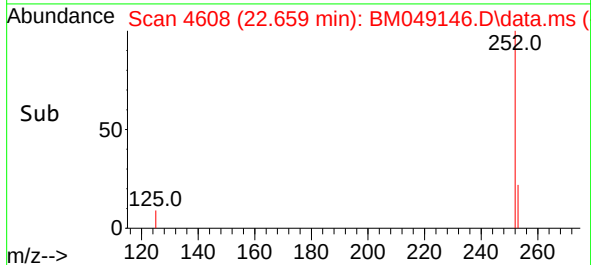
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024

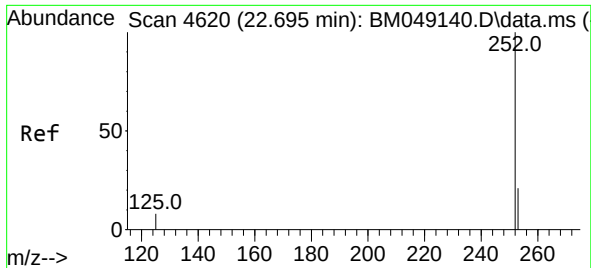


#24
Benzo(b)fluoranthene
Concen: 1.223 ng/ul m
RT: 22.659 min Scan# 4608
Delta R.T. -0.003 min
Lab File: BM049146.D
Acq: 23 Dec 2024 15:00



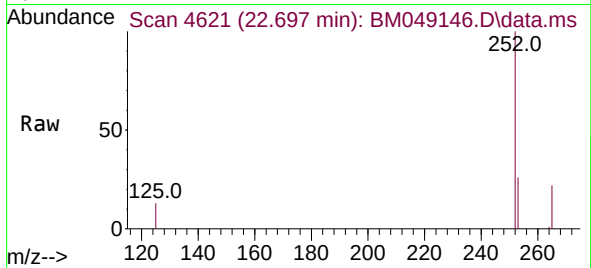
Tgt Ion:252 Resp: 78161
Ion Ratio Lower Upper
252 100
253 24.2 0.0 52.6
125 11.0 0.0 30.8





#25
Benzo(k)fluoranthene
Concen: 0.417 ng/ul m
RT: 22.697 min Scan# 4621
Delta R.T. -0.009 min
Lab File: BM049146.D
Acq: 23 Dec 2024 15:00

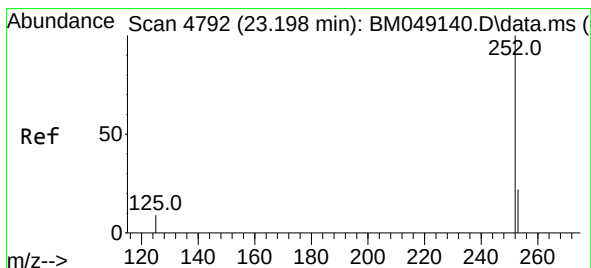
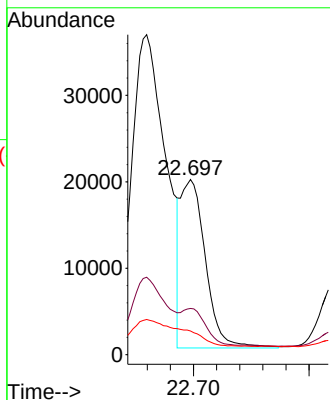
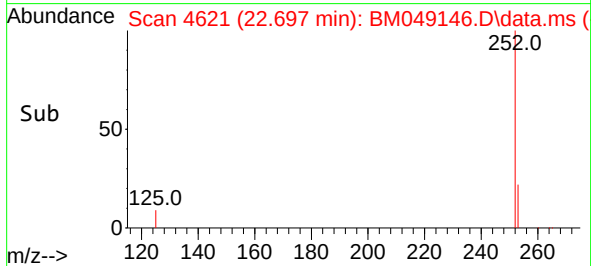
Instrument :
BNA_M
ClientSampleId :
E2AP5DL



Tgt Ion:252 Resp: 2923
Ion Ratio Lower Upper
252 100
253 26.4 21.3 31.9
125 13.5 12.6 18.8

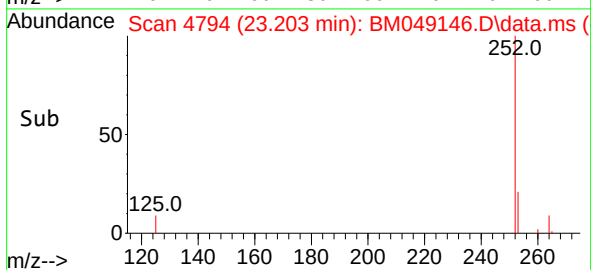
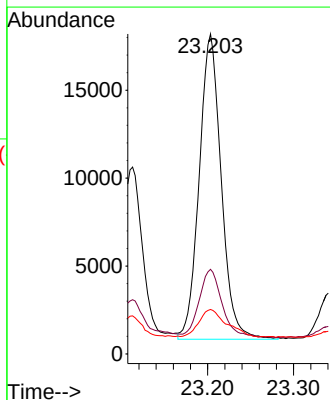
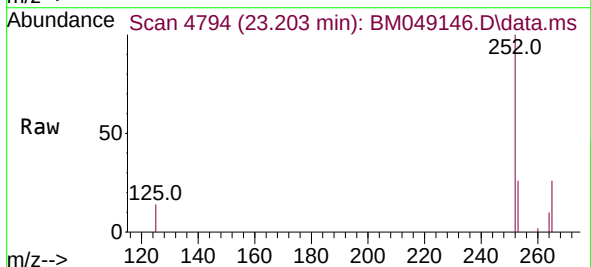
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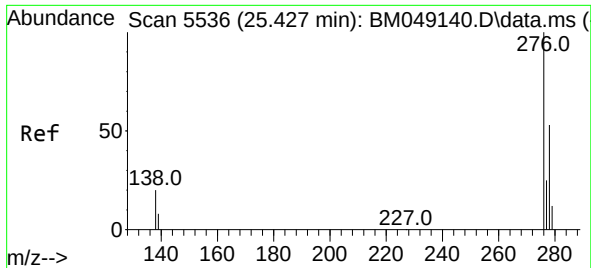
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#26
Benzo(a)pyrene
Concen: 0.505 ng/ul m
RT: 23.203 min Scan# 4794
Delta R.T. -0.006 min
Lab File: BM049146.D
Acq: 23 Dec 2024 15:00

Tgt Ion:252 Resp: 30940
Ion Ratio Lower Upper
252 100
253 26.4 22.4 33.6
125 13.9 14.8 22.2#





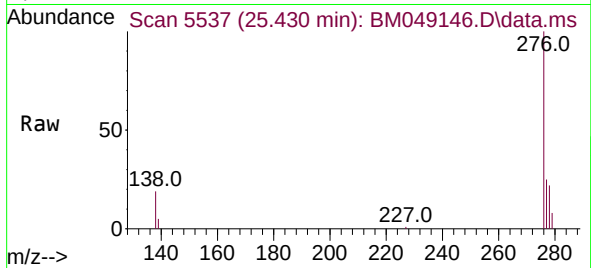
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.421 ng/ul
RT: 25.430 min Scan# 5536
Delta R.T. -0.017 min
Lab File: BM049146.D
Acq: 23 Dec 2024 15:00

Instrument :

BNA_M

ClientSampleId :

E2AP5DL



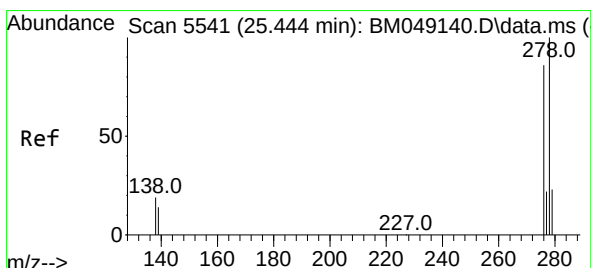
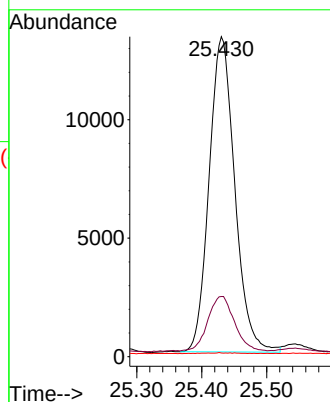
Tgt Ion:276 Resp: 36528
Ion Ratio Lower Upper
276 100
138 18.1 17.4 26.2
227 0.1 0.2 0.2

Manual Integrations

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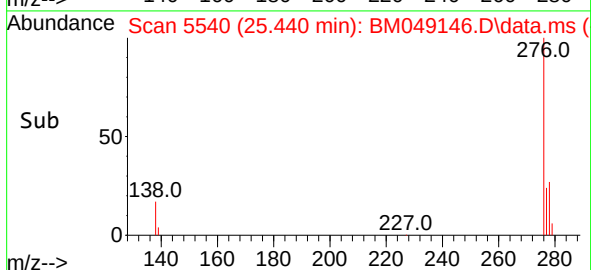
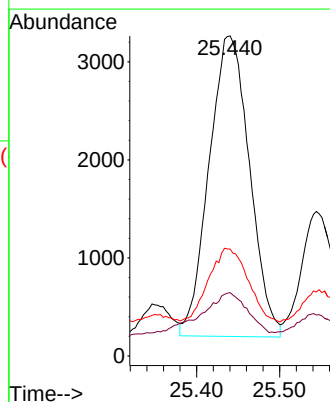
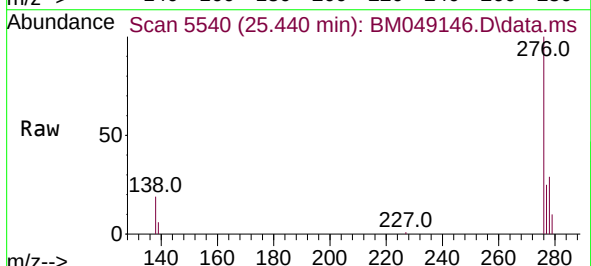
Reviewed By :Yogesh Patel 12/24/2024

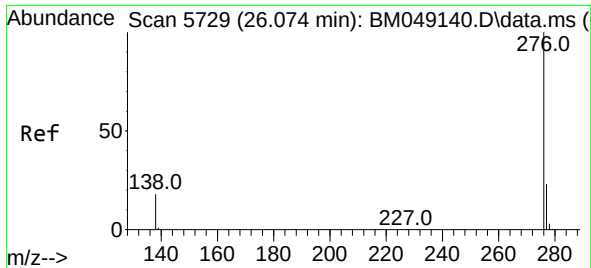
Supervised By :mohammad ahmed 12/26/2024



#28
Dibenzo(a,h)anthracene
Concen: 0.154 ng/ul
RT: 25.440 min Scan# 5540
Delta R.T. -0.027 min
Lab File: BM049146.D
Acq: 23 Dec 2024 15:00

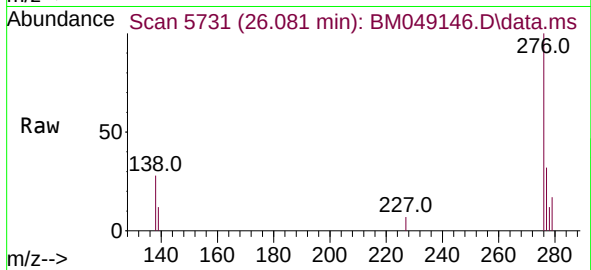
Tgt Ion:278 Resp: 10380
Ion Ratio Lower Upper
278 100
139 19.8 13.5 20.3
279 33.4 21.5 32.3





#29
Benzo(g,h,i)perylene
Concen: 0.078 ng/ul
RT: 26.081 min Scan# 51
Delta R.T. -0.014 min
Lab File: BM049146.D
Acq: 23 Dec 2024 15:00

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:276 Resp: 5450
Ion Ratio Lower Upper
276 100
138 28.0 16.7 25.1
277 31.7 19.9 29.9

Manual Integrations
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Supervised By :mohammad ahmed 12/26/2024

