

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121924\
 Data File : BM049069.D
 Acq On : 19 Dec 2024 14:19
 Operator : RC/JU
 Sample : P5226-19
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2AQ4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/21/2024
 Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 19 16:41:29 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	7.564	152	6594	0.400	ng/ul	0.00
4) Naphthalene-d8	10.326	136	19499	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.197	164	10386	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.947	188	22878m	0.400	ng/ul	0.00
17) Chrysene-d12	21.146	240	17243m	0.400	ng/ul	0.00
23) Perylene-d12	23.302	264	16606m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	25820	3.395	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.926	152	5229	0.200	ng/ul	0.00
18) Fluoranthene-d10	18.983	212	9514	0.194	ng/ul	0.00
Target Compounds						
					Qvalue	
10) Acenaphthylene	13.914	152	1732	0.040	ng/ul#	89
19) Fluoranthene	19.011	202	3094	0.050	ng/ul#	87
20) Pyrene	19.374	202	3388	0.051	ng/ul#	89
21) Benzo(a)anthracene	21.131	228	2887	0.048	ng/ul#	88
22) Chrysene	21.181	228	2577	0.040	ng/ul#	92
24) Benzo(b)fluoranthene	22.665	252	4711m	0.089	ng/ul	
25) Benzo(k)fluoranthene	22.703	252	2270m	0.039	ng/ul	
26) Benzo(a)pyrene	23.209	252	3305	0.065	ng/ul#	55
27) Indeno(1,2,3-cd)pyrene	25.447	276	2554	0.035	ng/ul#	99
29) Benzo(g,h,i)perylene	26.097	276	2676	0.046	ng/ul#	75

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

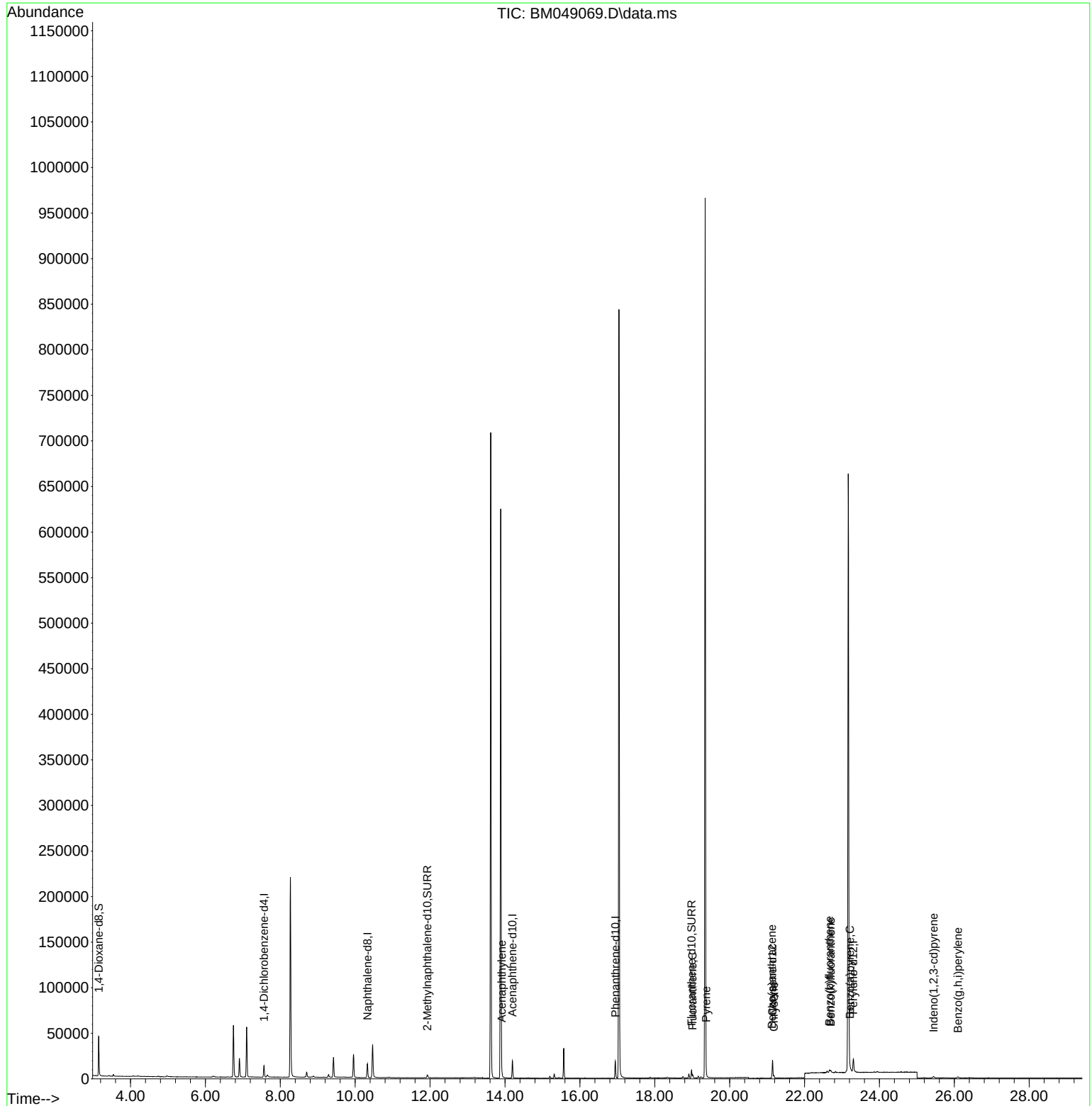
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121924\
Data File : BM049069.D
Acq On : 19 Dec 2024 14:19
Operator : RC/JU
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Misc :
ALS Vial : 10 Sample Multiplier: 1

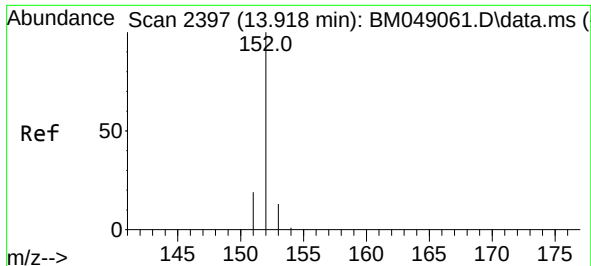
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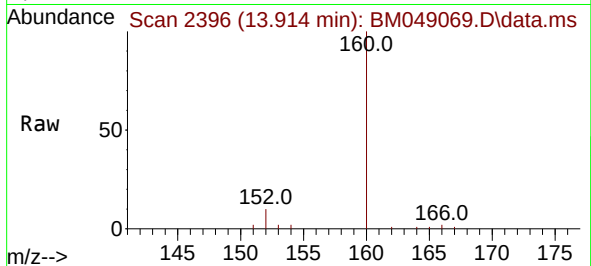
Quant Time: Dec 19 16:41:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration





#10
Acenaphthylene
Concen: 0.040 ng/ul
RT: 13.914 min Scan# 21
Delta R.T. -0.003 min
Lab File: BM049069.D
Acq: 19 Dec 2024 14:19

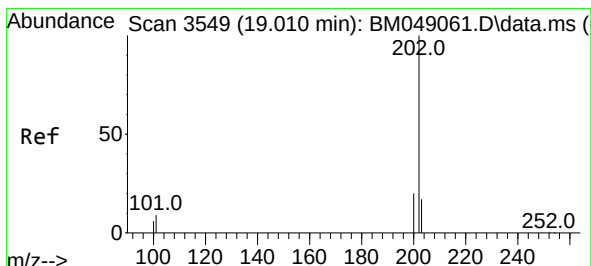
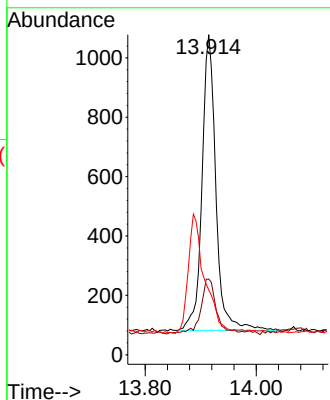
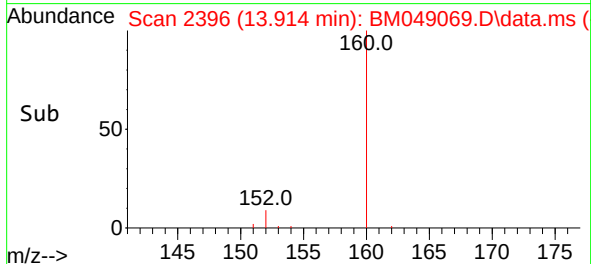
Instrument :
BNA_M
ClientSampleId :
E2AQ4



Tgt Ion:152 Resp: 173
Ion Ratio Lower Upper
152 100
151 23.7 16.0 24.0
153 20.2 11.0 16.6

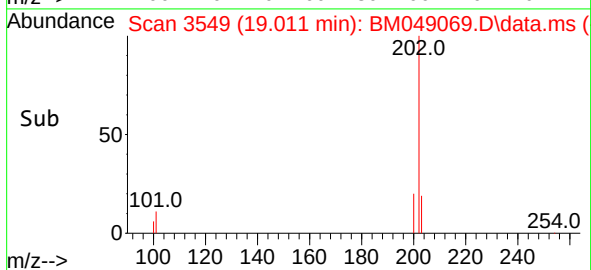
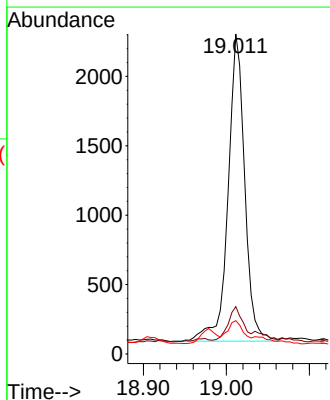
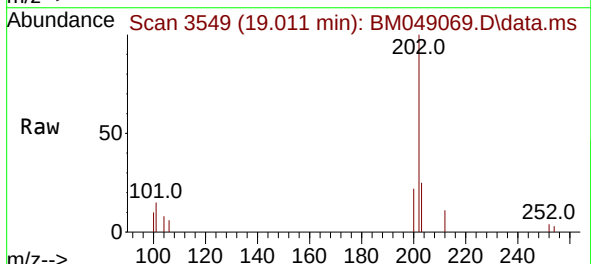
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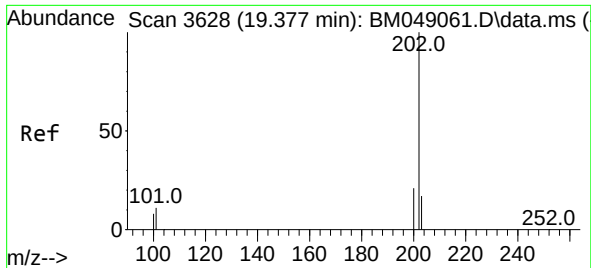
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/26/2024



#19
Fluoranthene
Concen: 0.050 ng/ul
RT: 19.011 min Scan# 3549
Delta R.T. -0.003 min
Lab File: BM049069.D
Acq: 19 Dec 2024 14:19

Tgt Ion:202 Resp: 3094
Ion Ratio Lower Upper
202 100
101 14.8 7.6 11.4#
100 10.4 5.5 8.3#





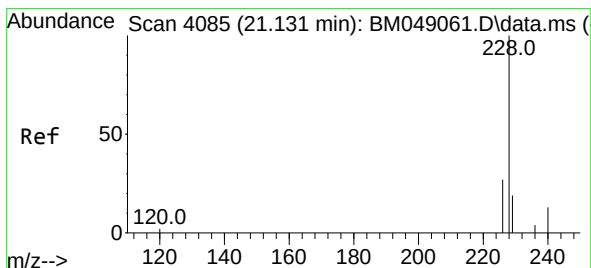
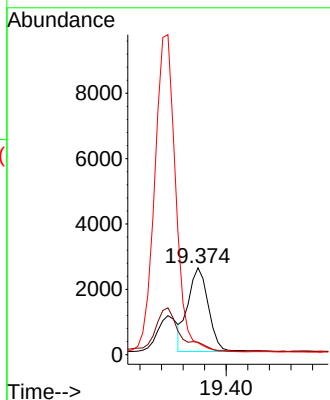
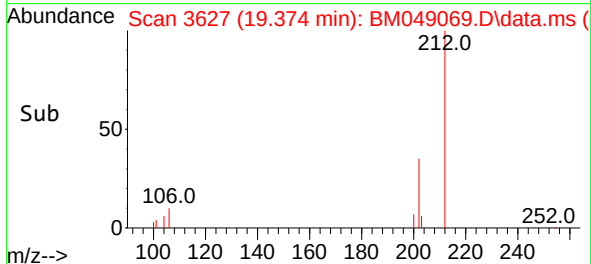
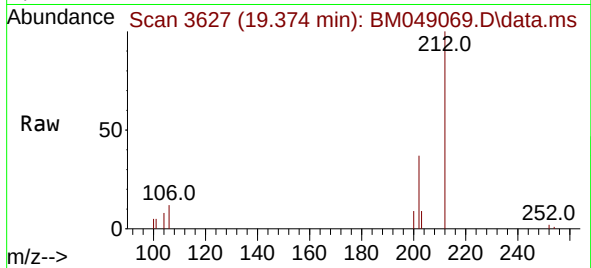
#20
Pyrene
Concen: 0.051 ng/ul
RT: 19.374 min Scan# 30
Delta R.T. -0.003 min
Lab File: BM049069.D
Acq: 19 Dec 2024 14:19

Instrument :
BNA_M
ClientSampleId :
E2AQ4

Tgt Ion:202 Resp: 338
Ion Ratio Lower Upper
202 100
101 14.4 8.9 13.3
100 13.7 6.9 10.3

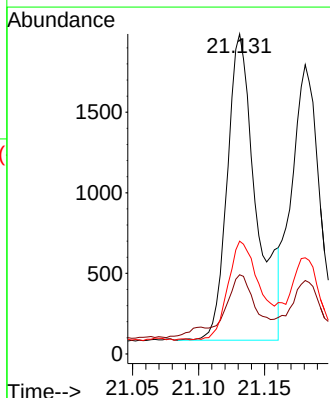
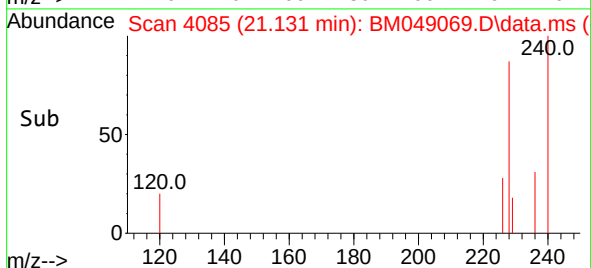
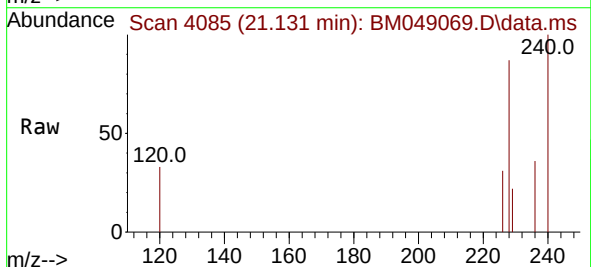
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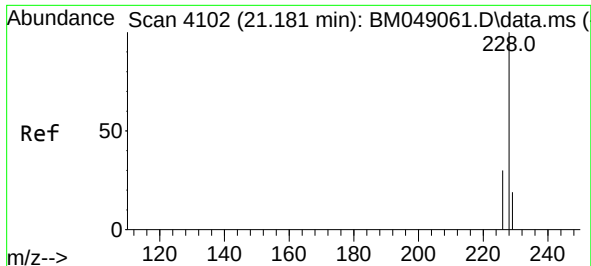
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/26/2024



#21
Benzo(a)anthracene
Concen: 0.048 ng/ul
RT: 21.131 min Scan# 4085
Delta R.T. -0.000 min
Lab File: BM049069.D
Acq: 19 Dec 2024 14:19

Tgt Ion:228 Resp: 2887
Ion Ratio Lower Upper
228 100
229 24.7 15.9 23.9#
226 35.2 22.6 34.0#





#22

Chrysene

Concen: 0.040 ng/ul

RT: 21.181 min Scan# 4102

Delta R.T. -0.003 min

Lab File: BM049069.D

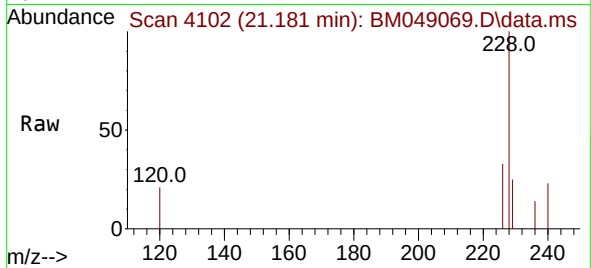
Acq: 19 Dec 2024 14:19

Instrument :

BNA_M

ClientSampleId :

E2AQ4



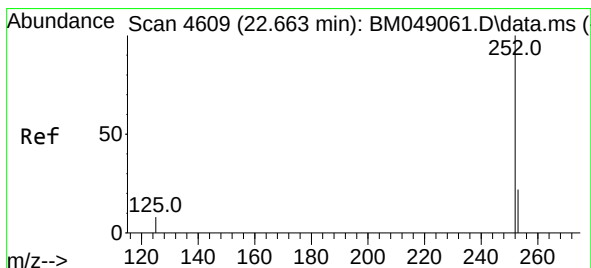
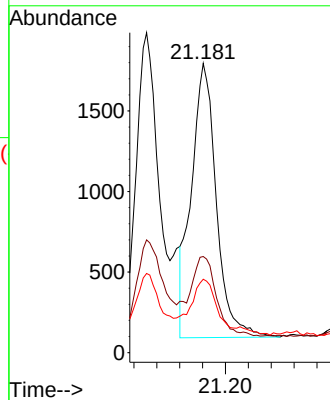
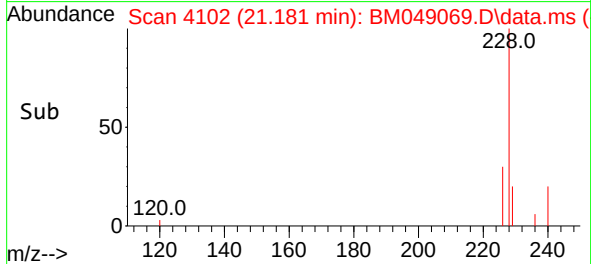
Tgt Ion:	228	Resp:	257
Ion Ratio	Lower	Upper	
228	100		
226	33.3	24.1	36.1
229	25.4	15.8	23.8

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#24

Benzo(b)fluoranthene

Concen: 0.089 ng/ul m

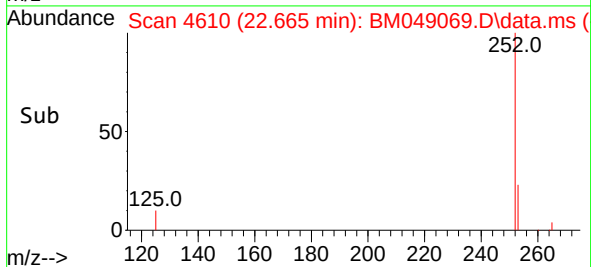
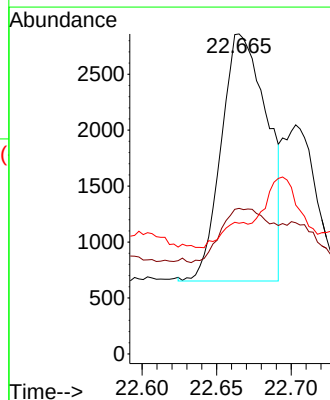
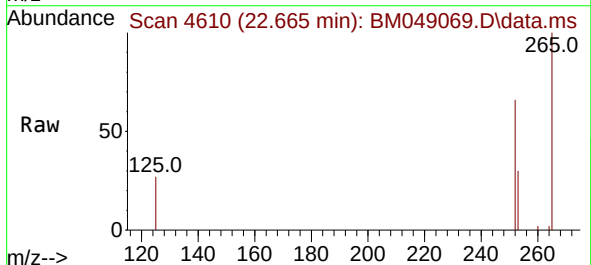
RT: 22.665 min Scan# 4610

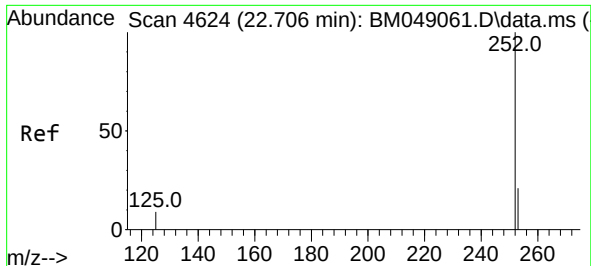
Delta R.T. 0.002 min

Lab File: BM049069.D

Acq: 19 Dec 2024 14:19

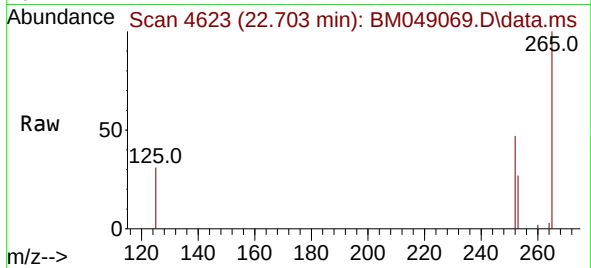
Tgt Ion:	252	Resp:	4711
Ion Ratio	Lower	Upper	
252	100		
253	45.5	0.0	52.6
125	40.8	0.0	30.8





#25
Benzo(k)fluoranthene
Concen: 0.039 ng/ul m
RT: 22.703 min Scan# 4623
Delta R.T. -0.003 min
Lab File: BM049069.D
Acq: 19 Dec 2024 14:19

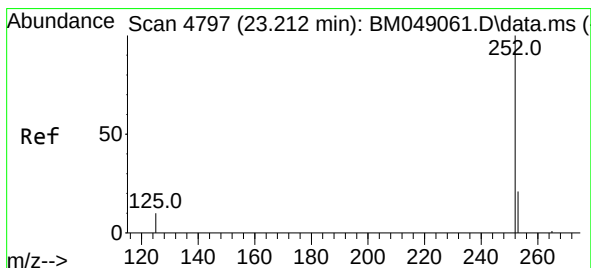
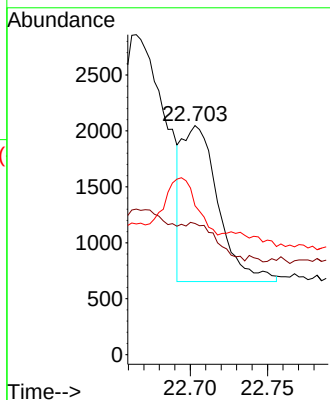
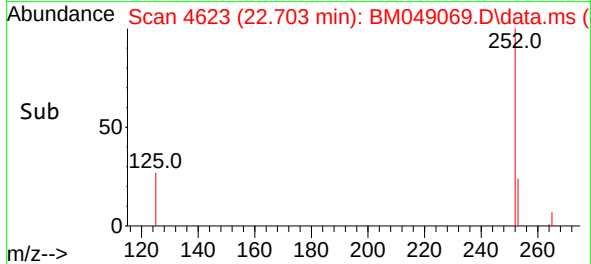
Instrument :
BNA_M
ClientSampleId :
E2AQ4



Tgt Ion:252 Resp: 2270
Ion Ratio Lower Upper
252 100
253 57.2 21.3 31.9#
125 65.0 12.6 18.8#

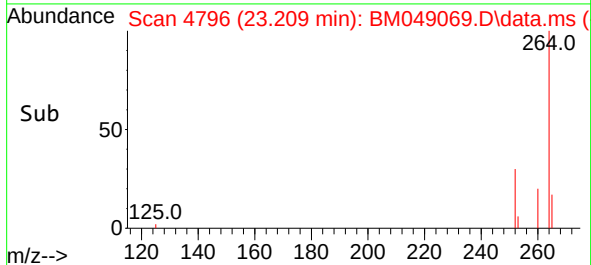
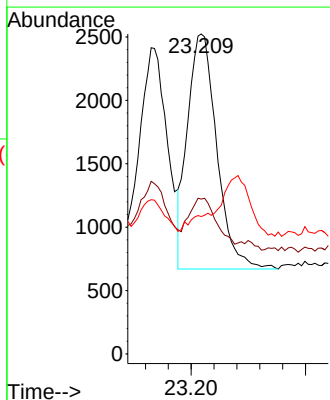
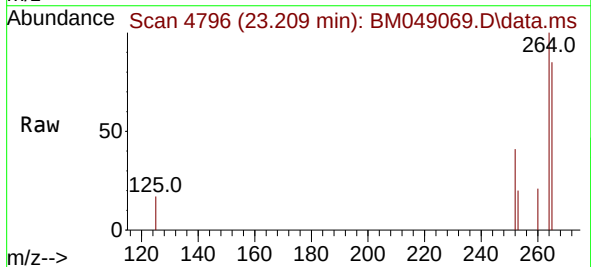
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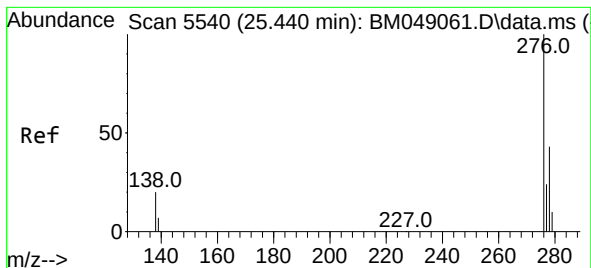
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/26/2024



#26
Benzo(a)pyrene
Concen: 0.065 ng/ul
RT: 23.209 min Scan# 4796
Delta R.T. -0.000 min
Lab File: BM049069.D
Acq: 19 Dec 2024 14:19

Tgt Ion:252 Resp: 3305
Ion Ratio Lower Upper
252 100
253 48.4 22.4 33.6#
125 42.9 14.8 22.2#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.035 ng/ul

RT: 25.447 min Scan# 5540

Delta R.T. -0.000 min

Lab File: BM049069.D

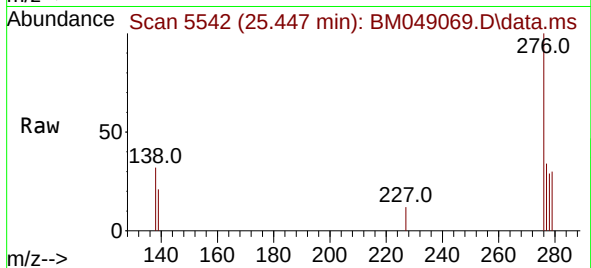
Acq: 19 Dec 2024 14:19

Instrument :

BNA_M

ClientSampleId :

E2AQ4



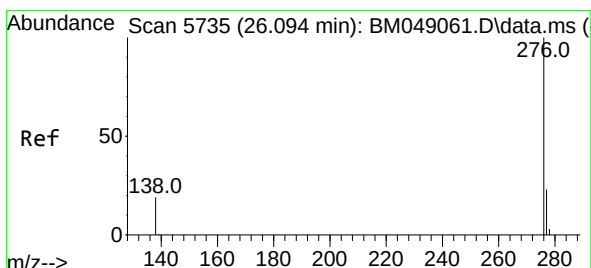
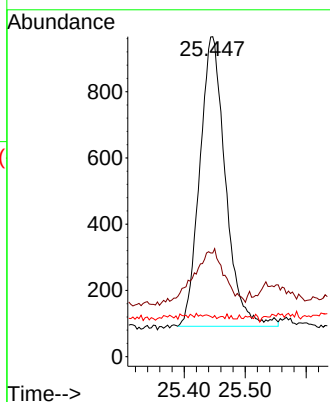
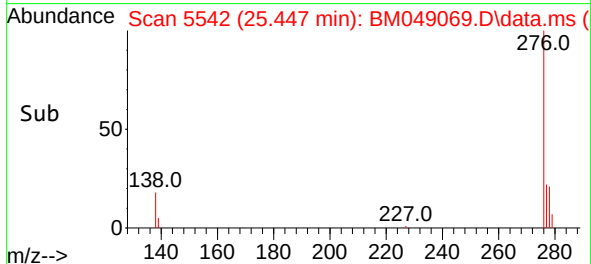
Tgt Ion:	276	Resp:	2554
Ion Ratio	Lower	Upper	
276	100		
138	22.2	17.4	26.2
227	0.0	0.2	0.2

Manual Integrations

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#29

Benzo(g,h,i)perylene

Concen: 0.046 ng/ul

RT: 26.097 min Scan# 5736

Delta R.T. 0.003 min

Lab File: BM049069.D

Acq: 19 Dec 2024 14:19

Tgt Ion:	276	Resp:	2676
Ion Ratio	Lower	Upper	
276	100		
138	34.1	16.7	25.1#
277	36.2	19.9	29.9#

