

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020325\
 Data File : BN036237.D
 Acq On : 03 Feb 2025 20:01
 Operator : RC/JU
 Sample : Q1224-09DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A6307DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/07/2025

Quant Time: Feb 04 07:56:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 12:27:24 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	3570	0.400	ng/ul	0.00
4) Naphthalene-d8	10.579	136	8349	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.428	164	4631	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.175	188	8998	0.400	ng/ul	0.00
17) Chrysene-d12	21.365	240	8197	0.400	ng/ul	# 0.00
23) Perylene-d12	23.660	264	8696	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.260	96	2744	0.702	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.174	152	398	0.038	ng/ul	0.00
18) Fluoranthene-d10	19.207	212	588	0.026	ng/ul	0.00
Target Compounds						
					Qvalue	
15) Phenanthrene	17.213	178	3854	0.146	ng/ul	99
19) Fluoranthene	19.235	202	11470	0.368	ng/ul	95
20) Pyrene	19.597	202	9403	0.289	ng/ul#	94
21) Benzo(a)anthracene	21.351	228	3197m	0.109	ng/ul	
22) Chrysene	21.403	228	5235	0.175	ng/ul	95
24) Benzo(b)fluoranthene	22.973	252	7391m	0.255	ng/ul	
25) Benzo(k)fluoranthene	23.011	252	2272m	0.074	ng/ul	
26) Benzo(a)pyrene	23.557	252	4216	0.161	ng/ul#	55
27) Indeno(1,2,3-cd)pyrene	25.994	276	3437	0.099	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.007	278	771	0.029	ng/ul#	1
29) Benzo(g,h,i)perylene	26.705	276	3404	0.126	ng/ul#	84

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

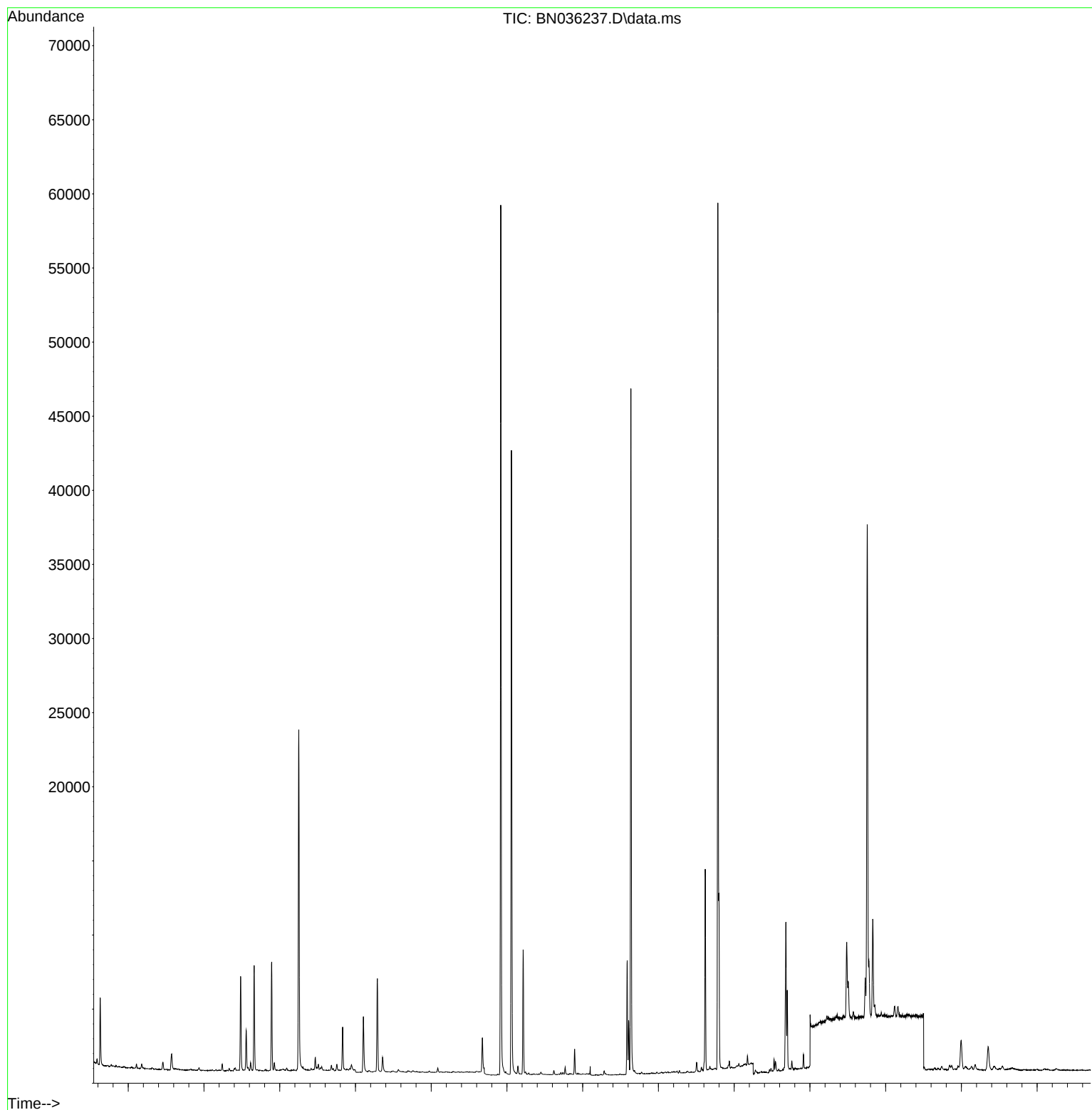
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020325\
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ALS Vial : 16 Sample Multiplier: 1

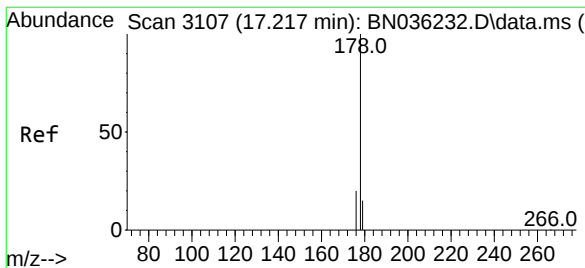
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 12:27:24 2025
Response via : Initial Calibration





#15

Phenanthrene

Concen: 0.146 ng/u1

RT: 17.213 min Scan# 3107

Delta R.T. 0.001 min

Lab File: BN036237.D

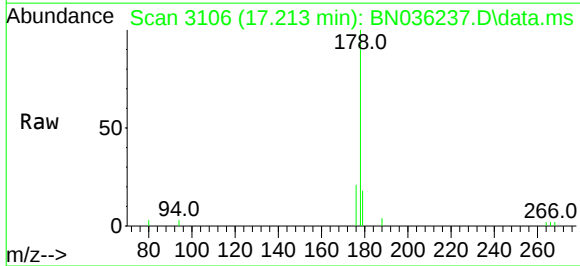
Acq: 03 Feb 2025 20:01

Instrument :

BNA_N

ClientSampleId :

A6307DL

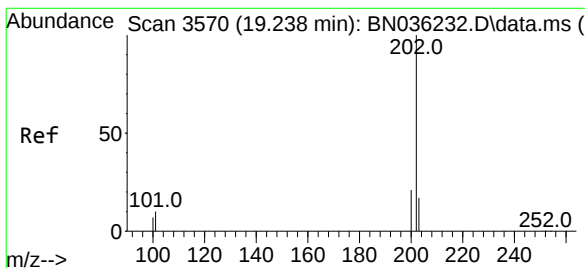
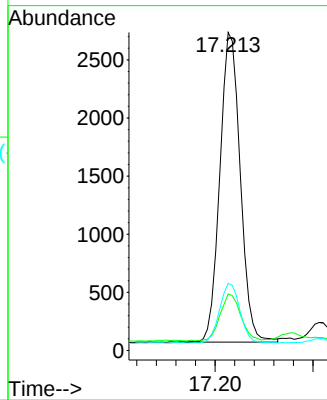
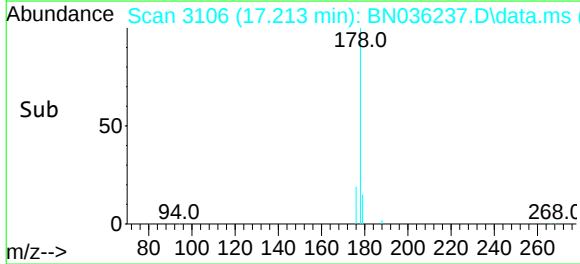


Tgt	Ion:178	Resp:	3854
Ion	Ratio	Lower	Upper
178	100		
179	17.8	13.2	19.8
176	21.1	16.8	25.2

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#19

Fluoranthene

Concen: 0.368 ng/u1

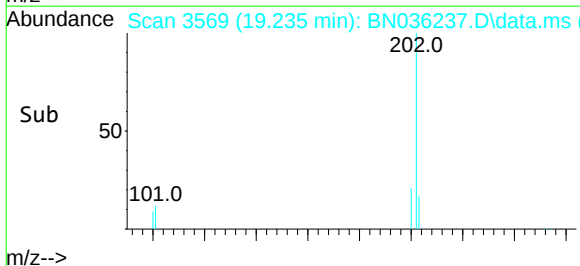
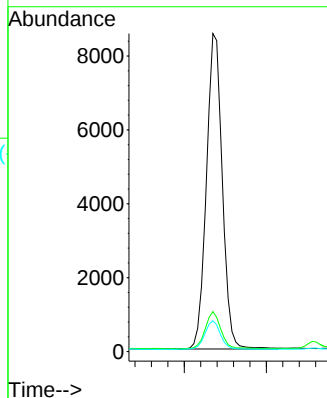
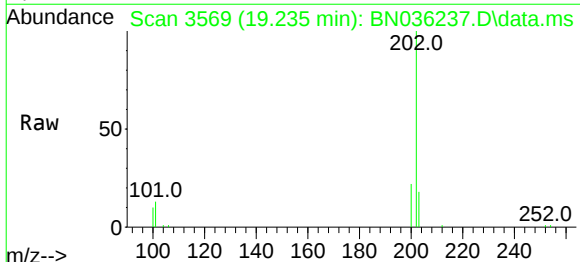
RT: 19.235 min Scan# 3569

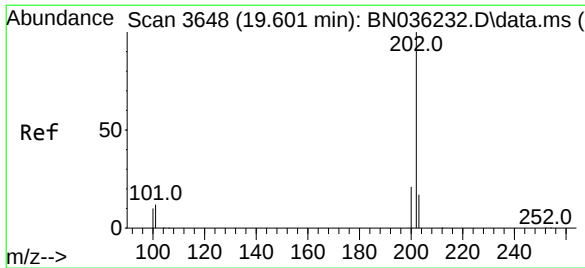
Delta R.T. 0.001 min

Lab File: BN036237.D

Acq: 03 Feb 2025 20:01

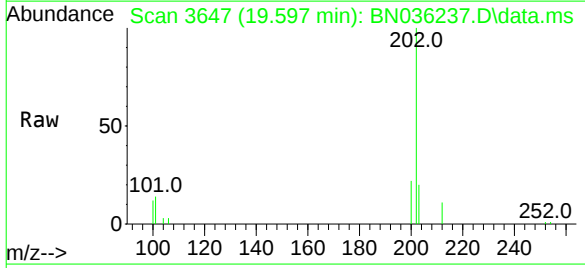
Tgt	Ion:202	Resp:	11470
Ion	Ratio	Lower	Upper
202	100		
101	12.6	8.4	12.6
100	9.7	6.5	9.7





#20
Pyrene
Concen: 0.289 ng/u1
RT: 19.597 min Scan# 3647
Delta R.T. 0.001 min
Lab File: BN036237.D
Acq: 03 Feb 2025 20:01

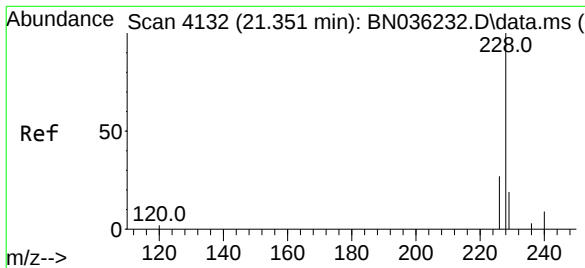
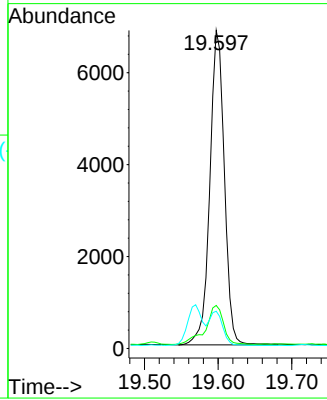
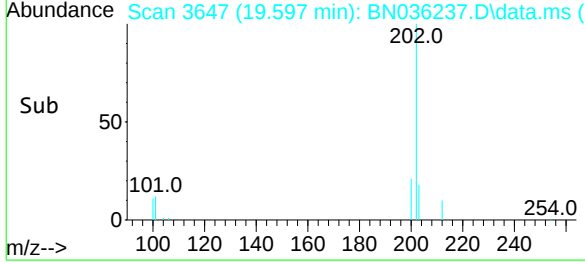
Instrument :
BNA_N
ClientSampleId :
A6307DL



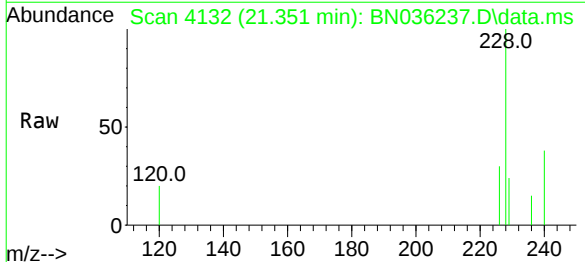
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	9.3	13.9
100	11.7	7.5	11.3

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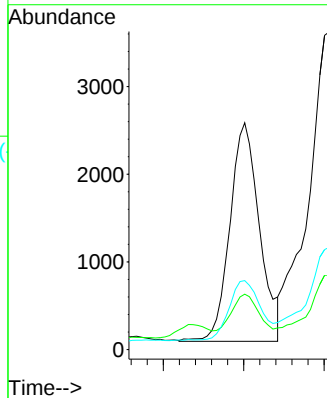
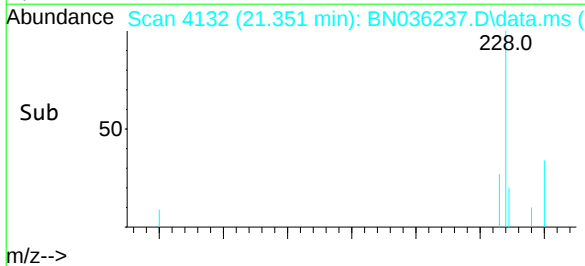
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/07/2025

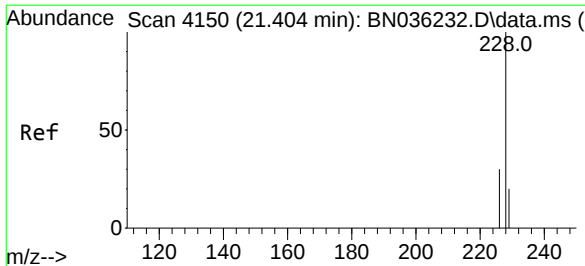


#21
Benzo(a)anthracene
Concen: 0.109 ng/u1 m
RT: 21.351 min Scan# 4132
Delta R.T. 0.005 min
Lab File: BN036237.D
Acq: 03 Feb 2025 20:01



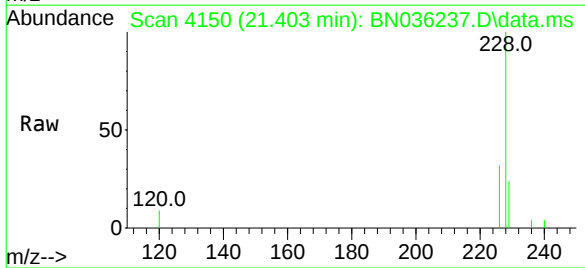
Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.4	15.9	23.9
226	30.4	22.8	34.2





#22
Chrysene
Concen: 0.175 ng/u1
RT: 21.403 min Scan# 4150
Delta R.T. 0.005 min
Lab File: BN036237.D
Acq: 03 Feb 2025 20:01

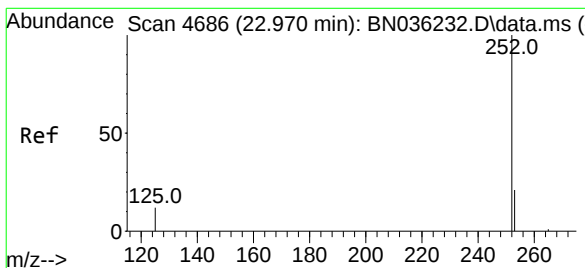
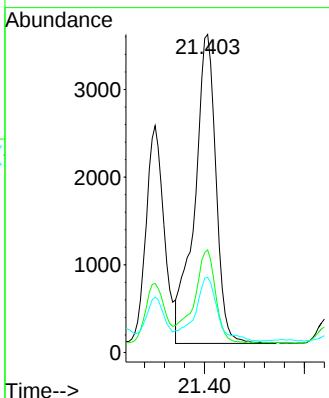
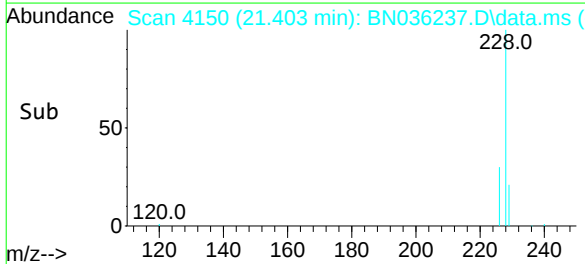
Instrument :
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A6307DL



Tgt	Ion:228	Resp:	5235
Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.4	36.6
229	23.6	15.9	23.9

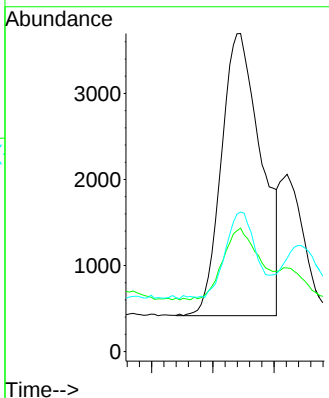
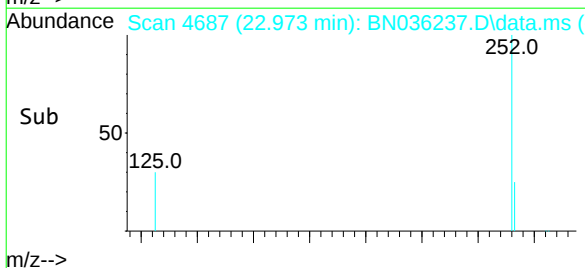
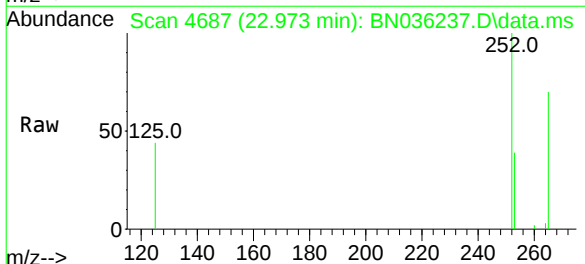
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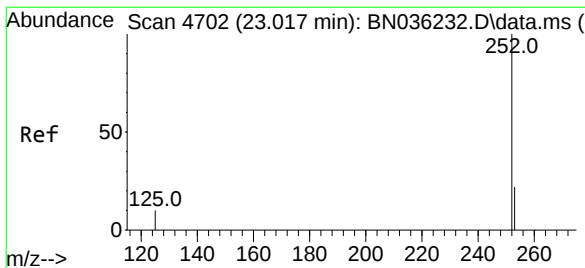
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/07/2025



#24
Benzo(b)fluoranthene
Concen: 0.255 ng/u1 m
RT: 22.973 min Scan# 4687
Delta R.T. 0.011 min
Lab File: BN036237.D
Acq: 03 Feb 2025 20:01

Tgt	Ion:252	Resp:	7391
Ion	Ratio	Lower	Upper
252	100		
253	38.8	0.0	51.2
125	43.9	0.0	27.8#





#25

Benzo(k)fluoranthene

Concen: 0.074 ng/u1 m

RT: 23.011 min Scan# 47

Delta R.T. 0.002 min

Lab File: BN036237.D

Acq: 03 Feb 2025 20:01

Instrument :

BNA_N

ClientSampleId :

A6307DL

Tgt Ion:252 Resp: 2272

Ion Ratio Lower Upper

252 100

253 47.2 20.2 30.4#

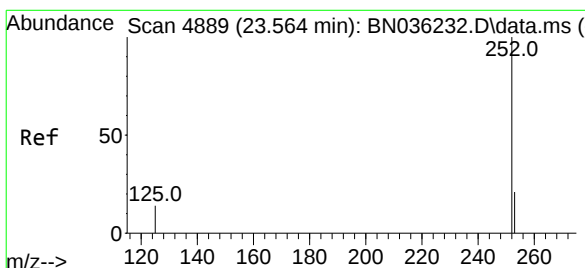
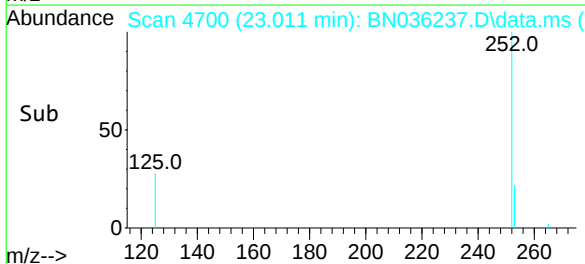
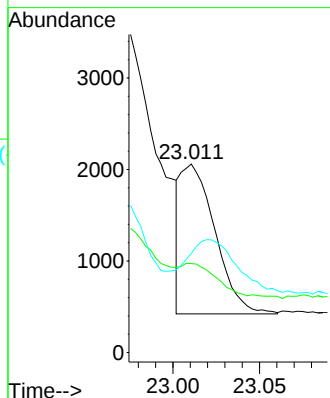
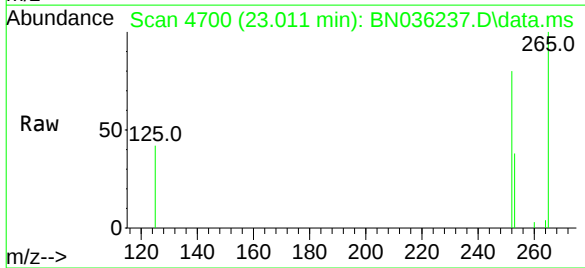
125 52.6 10.6 16.0#

Manual Integrations

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Supervised By :mohammad ahmed 02/07/2025



#26

Benzo(a)pyrene

Concen: 0.161 ng/u1

RT: 23.557 min Scan# 4887

Delta R.T. 0.002 min

Lab File: BN036237.D

Acq: 03 Feb 2025 20:01

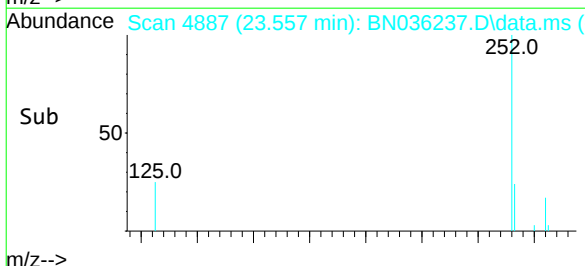
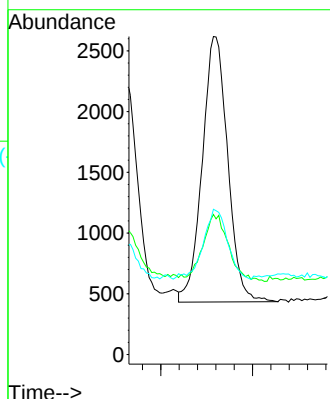
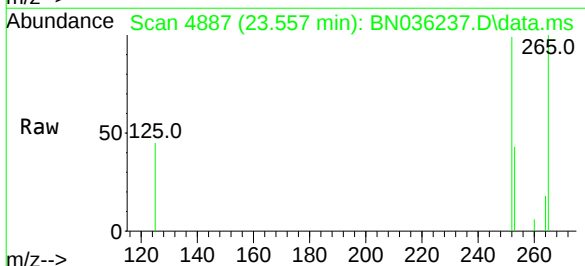
Tgt Ion:252 Resp: 4216

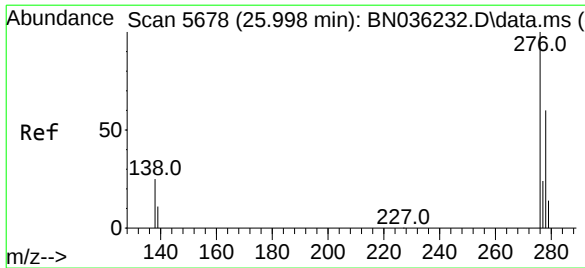
Ion Ratio Lower Upper

252 100

253 44.0 22.2 33.4#

125 45.7 13.1 19.7#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.099 ng/ul

RT: 25.994 min Scan# 5677

Delta R.T. 0.006 min

Lab File: BN036237.D

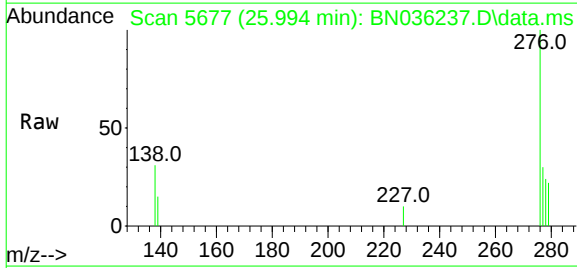
Acq: 03 Feb 2025 20:01

Instrument :

BNA_N

ClientSampleId :

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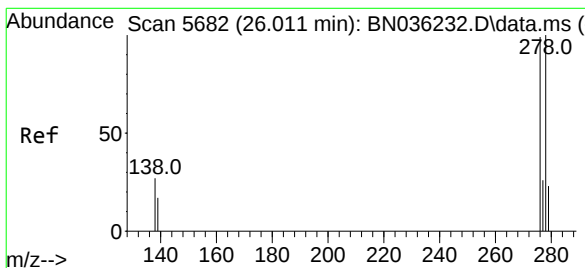
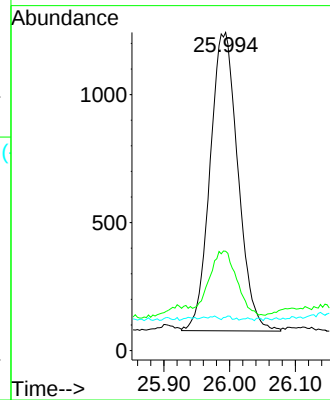
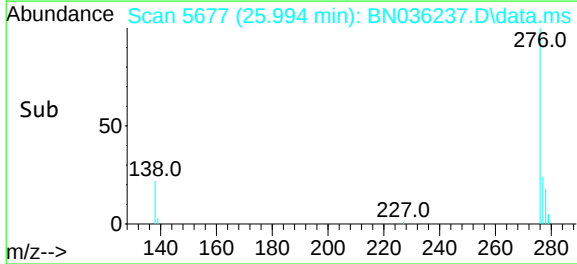
Tgt Ion:	276	Resp:	3437
Ion Ratio	Lower	Upper	
276	100		
138	21.0	20.2	30.4
227	0.4	0.1	0.1

Manual Integrations

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Supervised By :mohammad ahmed 02/07/2025



#28

Dibenzo(a,h)anthracene

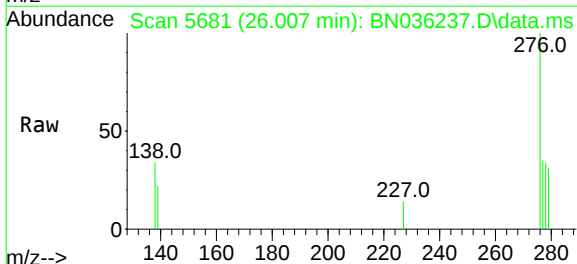
Concen: 0.029 ng/ul

RT: 26.007 min Scan# 5681

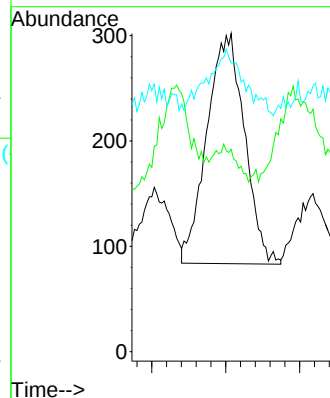
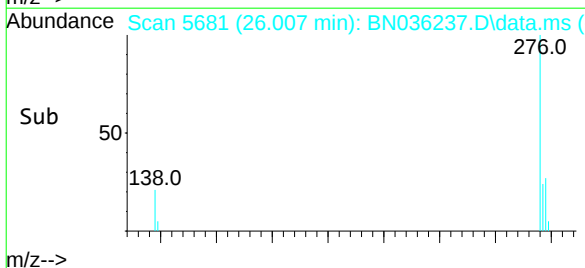
Delta R.T. 0.009 min

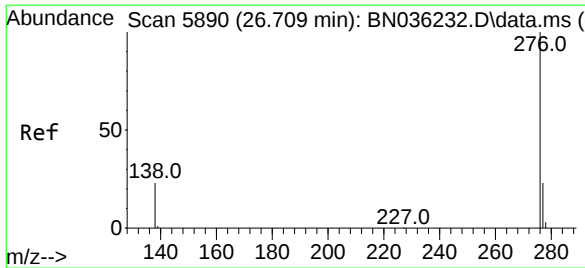
Lab File: BN036237.D

Acq: 03 Feb 2025 20:01



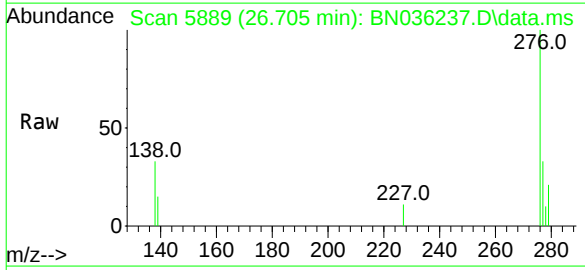
Tgt Ion:	278	Resp:	771
Ion Ratio	Lower	Upper	
278	100		
139	63.6	15.4	23.2
279	90.7	22.2	33.4





#29
 Benzo(g,h,i)perylene
 Concen: 0.126 ng/ul
 RT: 26.705 min Scan# 58
 Delta R.T. 0.003 min
 Lab File: BN036237.D
 Acq: 03 Feb 2025 20:01

Instrument :
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Tgt	Ion	276	Resp:	3404
Ion	Ratio	Lower	Upper	
276	100			
138	33.2	19.4	29.0	#
277	33.2	21.1	31.7	#

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