

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN111124\  
 Data File : BN035012.D  
 Acq On : 11 Nov 2024 19:26  
 Operator : RC/JU  
 Sample : P4636-05  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 CC0P2

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
 Supervised By :mohammad ahmed 11/14/2024

Quant Time: Nov 11 22:04:18 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN110924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Nov 09 00:09:12 2024  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.562	152	2894	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.328	136	7681	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.198	164	5527	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.945	188	12573	0.400	ng/ul	0.00
17) Chrysene-d12	21.142	240	12422	0.400	ng/ul	# 0.00
23) Perylene-d12	23.308	264	12535m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.149	96	8097	2.940	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.923	152	2684	0.228	ng/ul	-0.01
18) Fluoranthene-d10	18.977	212	7911	0.248	ng/ul	0.00
Target Compounds						
15) Phenanthrene	16.987	178	1298	0.039	ng/ul#	90
19) Fluoranthene	19.009	202	3501	0.084	ng/ul#	89
20) Pyrene	19.372	202	3396m	0.079	ng/ul	
21) Benzo(a)anthracene	21.125	228	2839	0.063	ng/ul#	89
22) Chrysene	21.177	228	3317	0.072	ng/ul#	90
24) Benzo(b)fluoranthene	22.665	252	5336m	0.121	ng/ul	
25) Benzo(k)fluoranthene	22.700	252	2015m	0.044	ng/ul	
26) Benzo(a)pyrene	23.214	252	3236m	0.082	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.453	276	2602m	0.054	ng/ul	
29) Benzo(g,h,i)perylene	26.107	276	2689m	0.073	ng/ul	

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

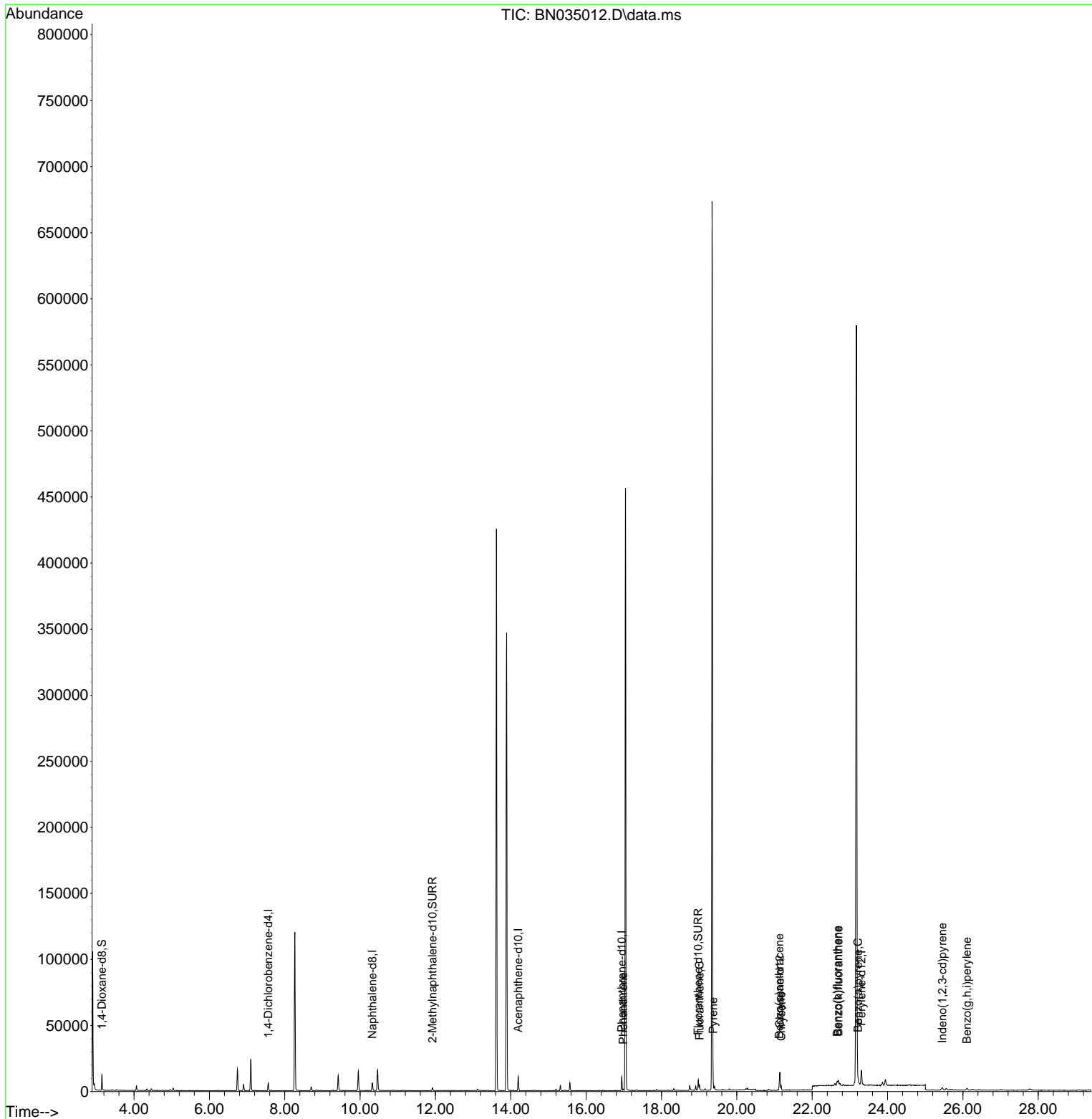
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN111124\  
 Data File : BN035012.D  
 Acq On : 11 Nov 2024 19:26  
 Operator : RC/JU  
 Sample : P4636-05  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

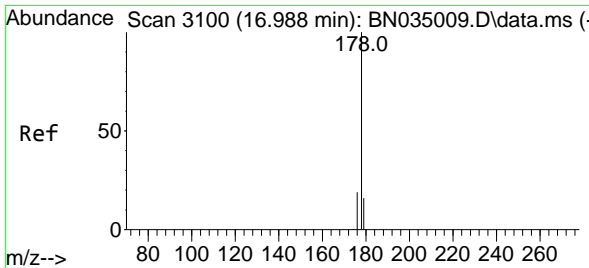
**Instrument :**  
 BNA\_N  
**ClientSampleId :**  
 CC0P2

Quant Time: Nov 11 22:04:18 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN110924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Nov 09 00:09:12 2024  
 Response via : Initial Calibration

**Manual Integrations**  
**APPROVED**

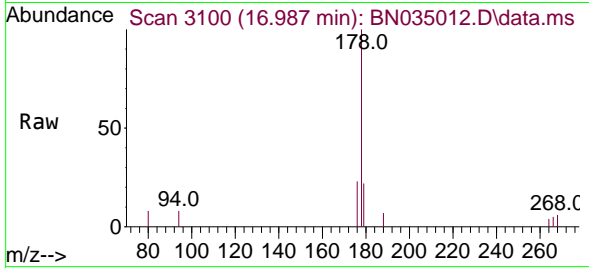
Reviewed By :Yogesh Patel 11/12/2024  
 Supervised By :mohammad ahmed 11/14/2024





#15  
 Phenanthrene  
 Concen: 0.039 ng/u1  
 RT: 16.987 min Scan# 3100  
 Delta R.T. -0.009 min  
 Lab File: BN035012.D  
 Acq: 11 Nov 2024 19:26

Instrument :  
 BNA\_N  
 ClientSampleId :  
 CC0P2

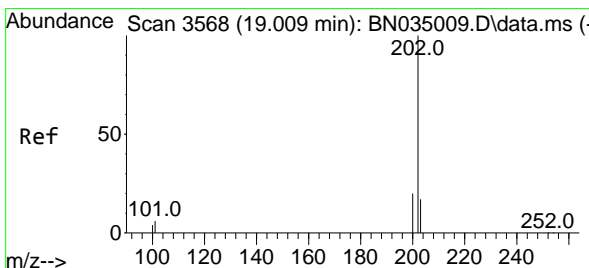
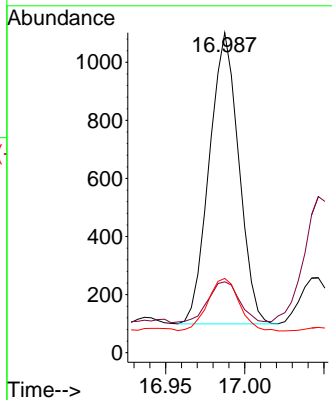
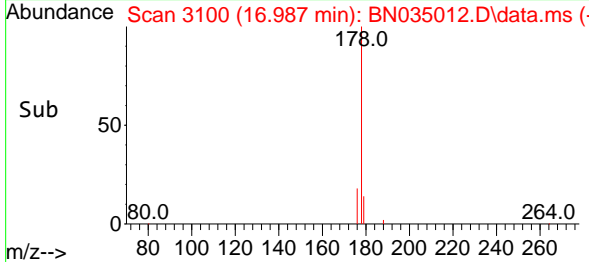


Tgt Ion:178 Resp: 1298

Ion	Ratio	Lower	Upper
178	100		
179	22.1	13.4	20.2
176	23.2	15.8	23.6

Manual Integrations  
 APPROVED

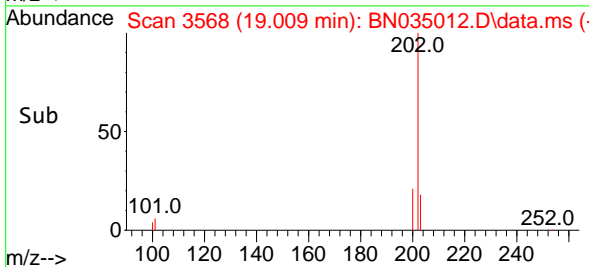
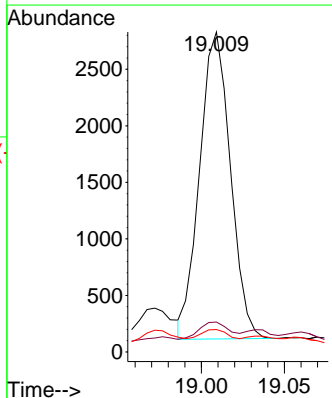
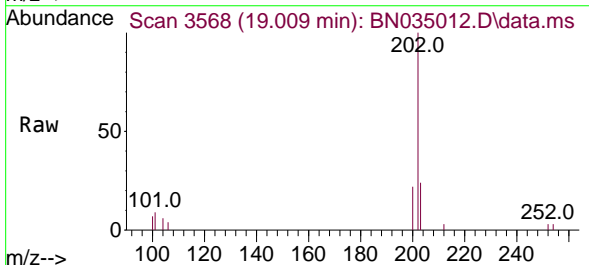
Reviewed By :Yogesh Patel 11/12/2024  
 Supervised By :mohammad ahmed 11/14/2024

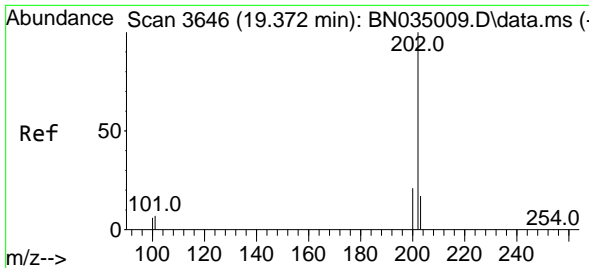


#19  
 Fluoranthene  
 Concen: 0.084 ng/u1  
 RT: 19.009 min Scan# 3568  
 Delta R.T. -0.009 min  
 Lab File: BN035012.D  
 Acq: 11 Nov 2024 19:26

Tgt Ion:202 Resp: 3501

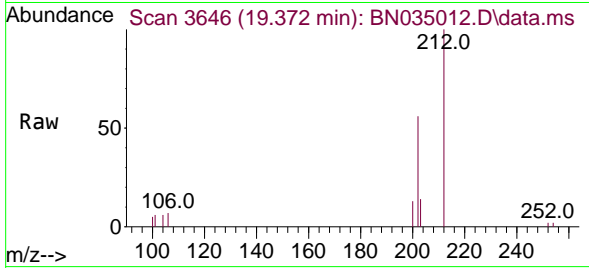
Ion	Ratio	Lower	Upper
202	100		
101	9.4	4.2	6.2#
100	7.0	3.2	4.8#





#20  
 Pyrene  
 Concen: 0.079 ng/ul m  
 RT: 19.372 min Scan# 30  
 Delta R.T. -0.009 min  
 Lab File: BN035012.D  
 Acq: 11 Nov 2024 19:26

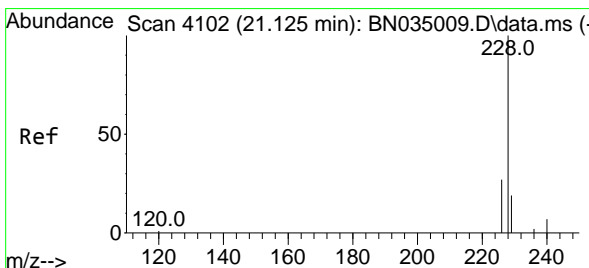
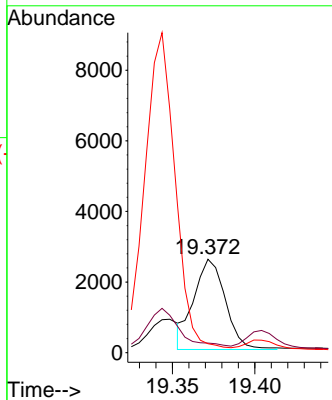
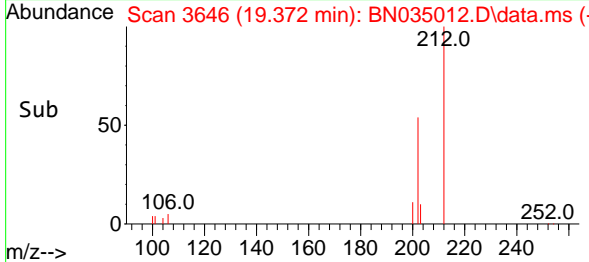
Instrument :  
 BNA\_N  
 ClientSampleId :  
 CC0P2



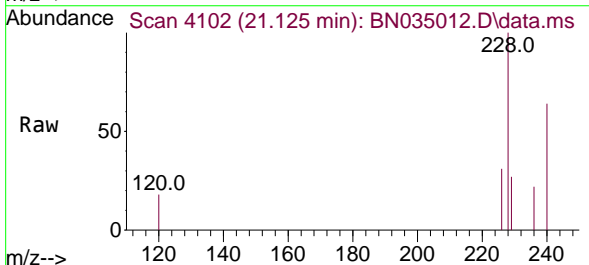
Tgt Ion: 202 Resp: 3390  
 Ion Ratio Lower Upper  
 202 100  
 101 10.3 5.0 7.4  
 100 9.6 4.1 6.1

Manual Integrations  
 APPROVED

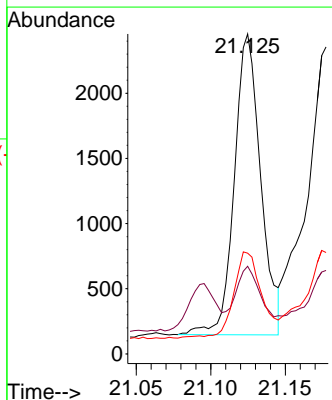
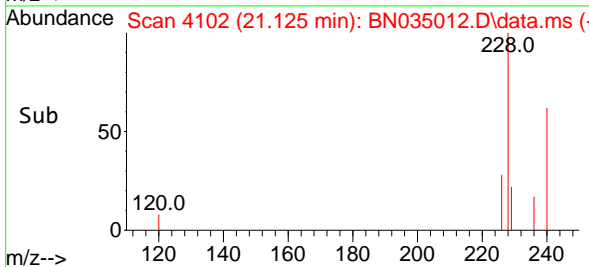
Reviewed By :Yogesh Patel 11/12/2024  
 Supervised By :mohammad ahmed 11/14/2024

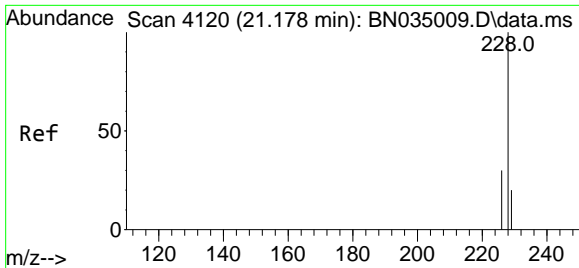


#21  
 Benzo(a)anthracene  
 Concen: 0.063 ng/ul  
 RT: 21.125 min Scan# 4102  
 Delta R.T. -0.006 min  
 Lab File: BN035012.D  
 Acq: 11 Nov 2024 19:26



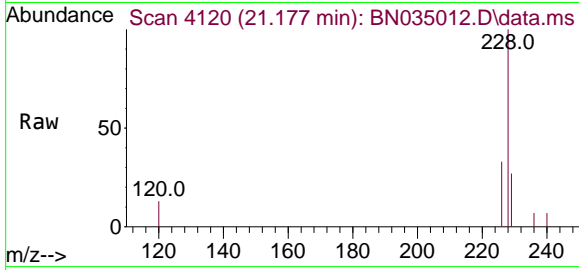
Tgt Ion: 228 Resp: 2839  
 Ion Ratio Lower Upper  
 228 100  
 229 27.4 15.8 23.8  
 226 31.5 22.2 33.2





#22  
 Chrysene  
 Concen: 0.072 ng/u1  
 RT: 21.177 min Scan# 4120  
 Delta R.T. -0.006 min  
 Lab File: BN035012.D  
 Acq: 11 Nov 2024 19:26

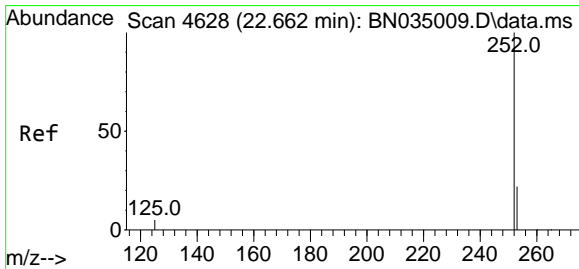
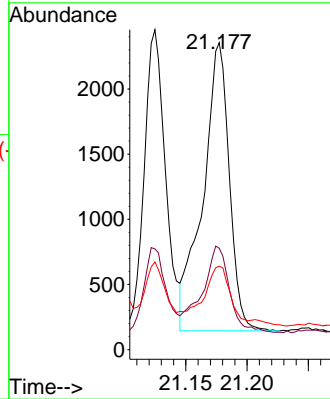
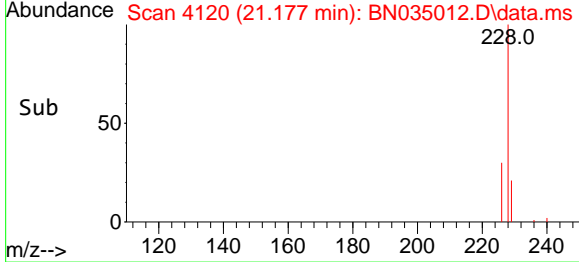
Instrument :  
 BNA\_N  
 ClientSampleId :  
 CC0P2



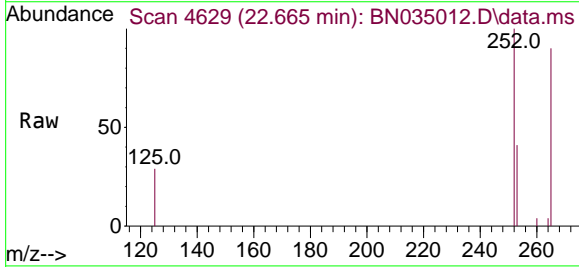
Tgt Ion:228 Resp: 331  
 Ion Ratio Lower Upper  
 228 100  
 226 33.0 24.2 36.4  
 229 27.2 15.4 23.2

Manual Integrations  
 APPROVED

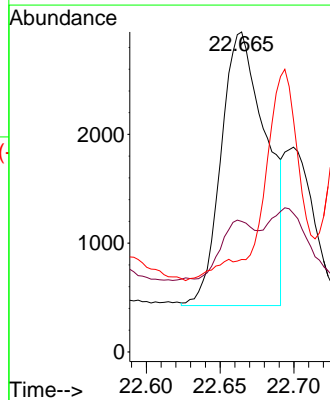
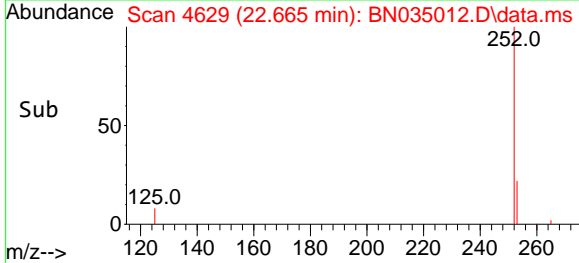
Reviewed By :Yogesh Patel 11/12/2024  
 Supervised By :mohammad ahmed 11/14/2024

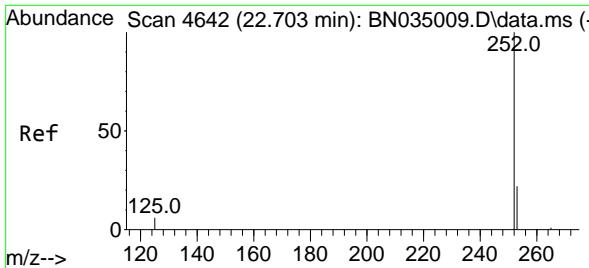


#24  
 Benzo(b)fluoranthene  
 Concen: 0.121 ng/u1 m  
 RT: 22.665 min Scan# 4629  
 Delta R.T. -0.006 min  
 Lab File: BN035012.D  
 Acq: 11 Nov 2024 19:26



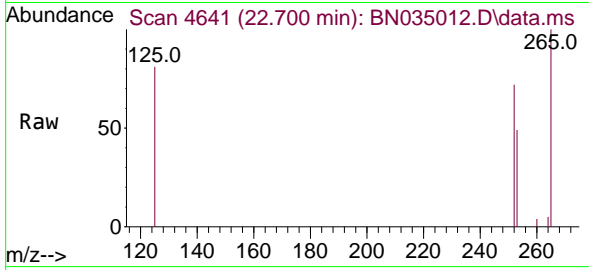
Tgt Ion:252 Resp: 5336  
 Ion Ratio Lower Upper  
 252 100  
 253 40.8 0.0 50.0  
 125 28.9 0.0 14.0#





#25  
 Benzo(k)fluoranthene  
 Concen: 0.044 ng/ul m  
 RT: 22.700 min Scan# 4011  
 Delta R.T. -0.012 min  
 Lab File: BN035012.D  
 Acq: 11 Nov 2024 19:26

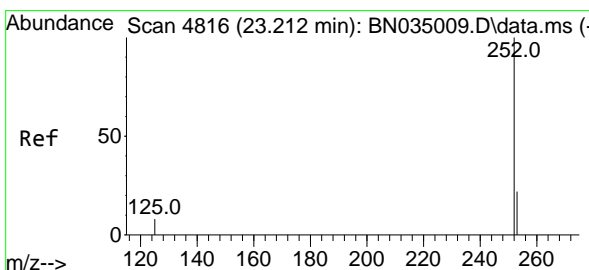
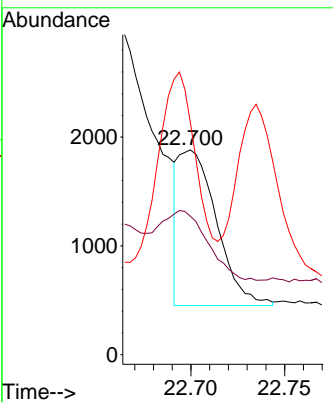
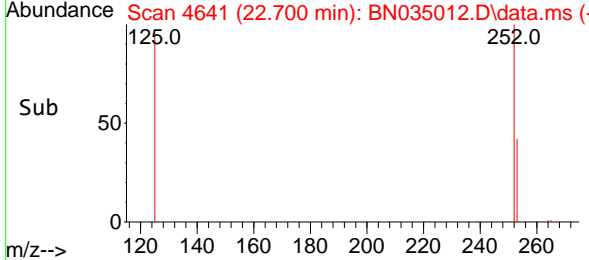
Instrument : BNA\_N  
 ClientSampleId : CC0P2



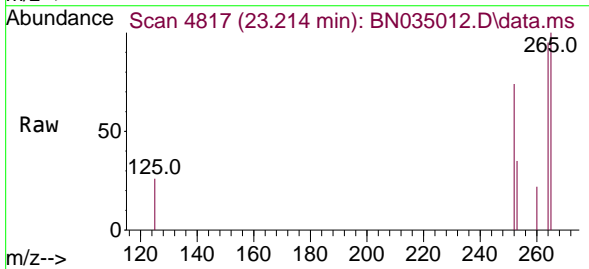
Tgt Ion:252 Resp: 2011

Ion	Ratio	Lower	Upper
252	100		
253	67.6	20.2	30.4#
125	113.4	5.8	8.8#

Manual Integrations  
**APPROVED**  
 Reviewed By :Yogesh Patel 11/12/2024  
 Supervised By :mohammad ahmed 11/14/2024

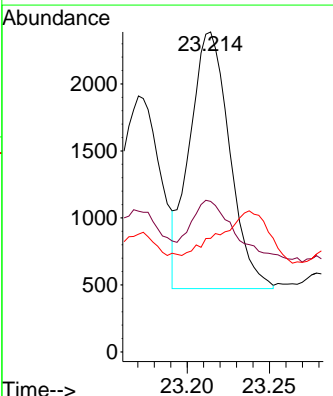
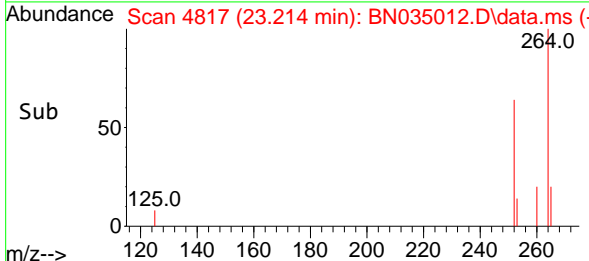


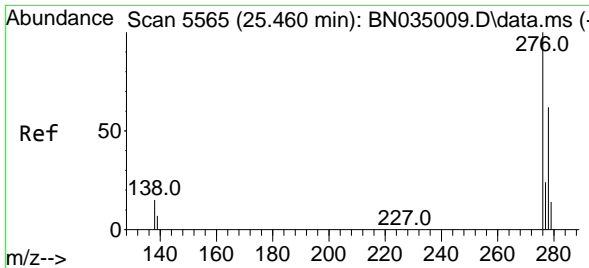
#26  
 Benzo(a)pyrene  
 Concen: 0.082 ng/ul m  
 RT: 23.214 min Scan# 4817  
 Delta R.T. -0.003 min  
 Lab File: BN035012.D  
 Acq: 11 Nov 2024 19:26



Tgt Ion:252 Resp: 3236

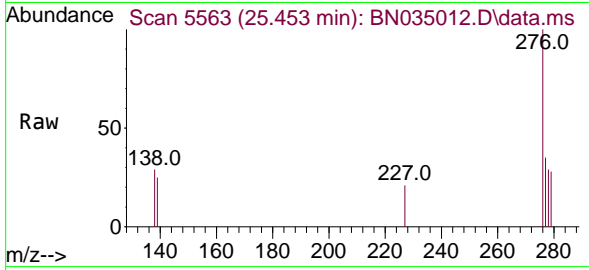
Ion	Ratio	Lower	Upper
252	100		
253	47.1	21.2	31.8#
125	35.5	6.3	9.5#





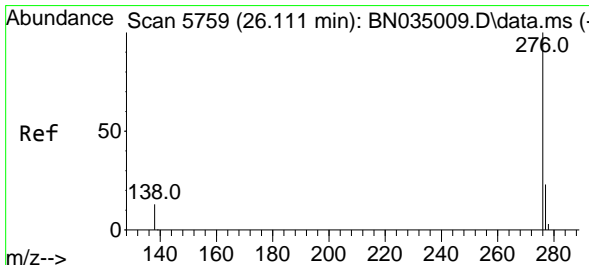
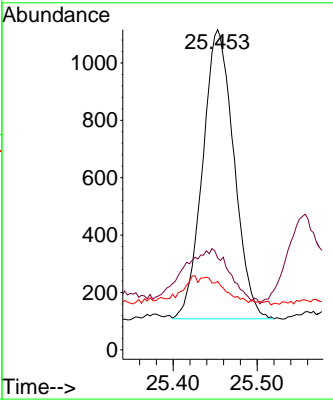
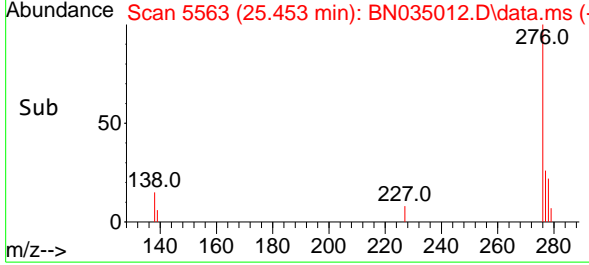
#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.054 ng/ul m  
 RT: 25.453 min Scan# 51  
 Delta R.T. -0.017 min  
 Lab File: BN035012.D  
 Acq: 11 Nov 2024 19:26

Instrument :  
 BNA\_N  
 ClientSampleId :  
 CC0P2

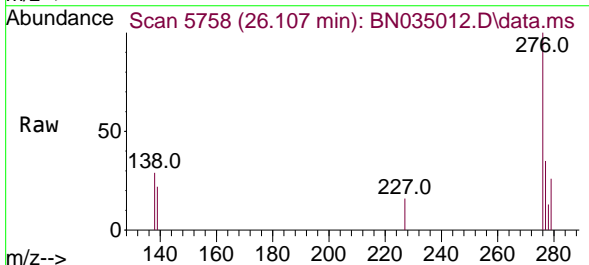


Tgt Ion:276 Resp: 2602  
 Ion Ratio Lower Upper  
 276 100  
 138 2.2 10.8 16.2#  
 227 0.6 0.2 0.4#

Manual Integrations  
**APPROVED**  
 Reviewed By :Yogesh Patel 11/12/2024  
 Supervised By :mohammad ahmed 11/14/2024



#29  
 Benzo(g,h,i)perylene  
 Concen: 0.073 ng/ul m  
 RT: 26.107 min Scan# 5758  
 Delta R.T. -0.020 min  
 Lab File: BN035012.D  
 Acq: 11 Nov 2024 19:26



Tgt Ion:276 Resp: 2689  
 Ion Ratio Lower Upper  
 276 100  
 138 29.3 10.3 15.5#  
 277 34.7 20.2 30.2#

