

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020325\
 Data File : BN036228.D
 Acq On : 03 Feb 2025 14:33
 Operator : RC/JU
 Sample : Q1248-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A6319

Manual Integrations
 APPROVED

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

Quant Time: Feb 03 14:55:22 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	7.788	152	2594	0.400	ng/ul	0.00
4) Naphthalene-d8	10.579	136	6542	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.428	164	4039	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.175	188	8821m	0.400	ng/ul	0.00
17) Chrysene-d12	21.365	240	8171m	0.400	ng/ul	0.00
23) Perylene-d12	23.663	264	6797m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.256	96	8342	2.937	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.174	152	1871	0.227	ng/ul	0.00
18) Fluoranthene-d10	19.207	212	7462	0.332	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.628	128	146875	8.150	ng/ul	97
10) Acenaphthylene	14.146	152	67755	3.559	ng/ul	97
11) Acenaphthene	14.493	153	63508	4.532	ng/ul	97
12) Fluorene	15.478	166	24812	1.603	ng/ul	99
14) Pentachlorophenol	16.829	266	355	0.115	ng/ul	98
15) Phenanthrene	17.218	178	343998	13.318	ng/ul	97
16) Anthracene	17.306	178	262500	10.934	ng/ul	98
19) Fluoranthene	19.235	202	83110	2.676	ng/ul	98
20) Pyrene	19.602	202	126297	3.896	ng/ul	99
21) Benzo(a)anthracene	21.351	228	48194	1.652	ng/ul	99
22) Chrysene	21.403	228	258509	8.676	ng/ul	99
24) Benzo(b)fluoranthene	22.967	252	106919	4.714	ng/ul	96
25) Benzo(k)fluoranthene	23.014	252	27056m	1.134	ng/ul	
26) Benzo(a)pyrene	23.560	252	124867	6.095	ng/ul	91
27) Indeno(1,2,3-cd)pyrene	25.994	276	73153	2.700	ng/ul#	95
28) Dibenzo(a,h)anthracene	26.007	278	63138	3.024	ng/ul	96
29) Benzo(g,h,i)perylene	26.708	276	180380	8.571	ng/ul	96

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

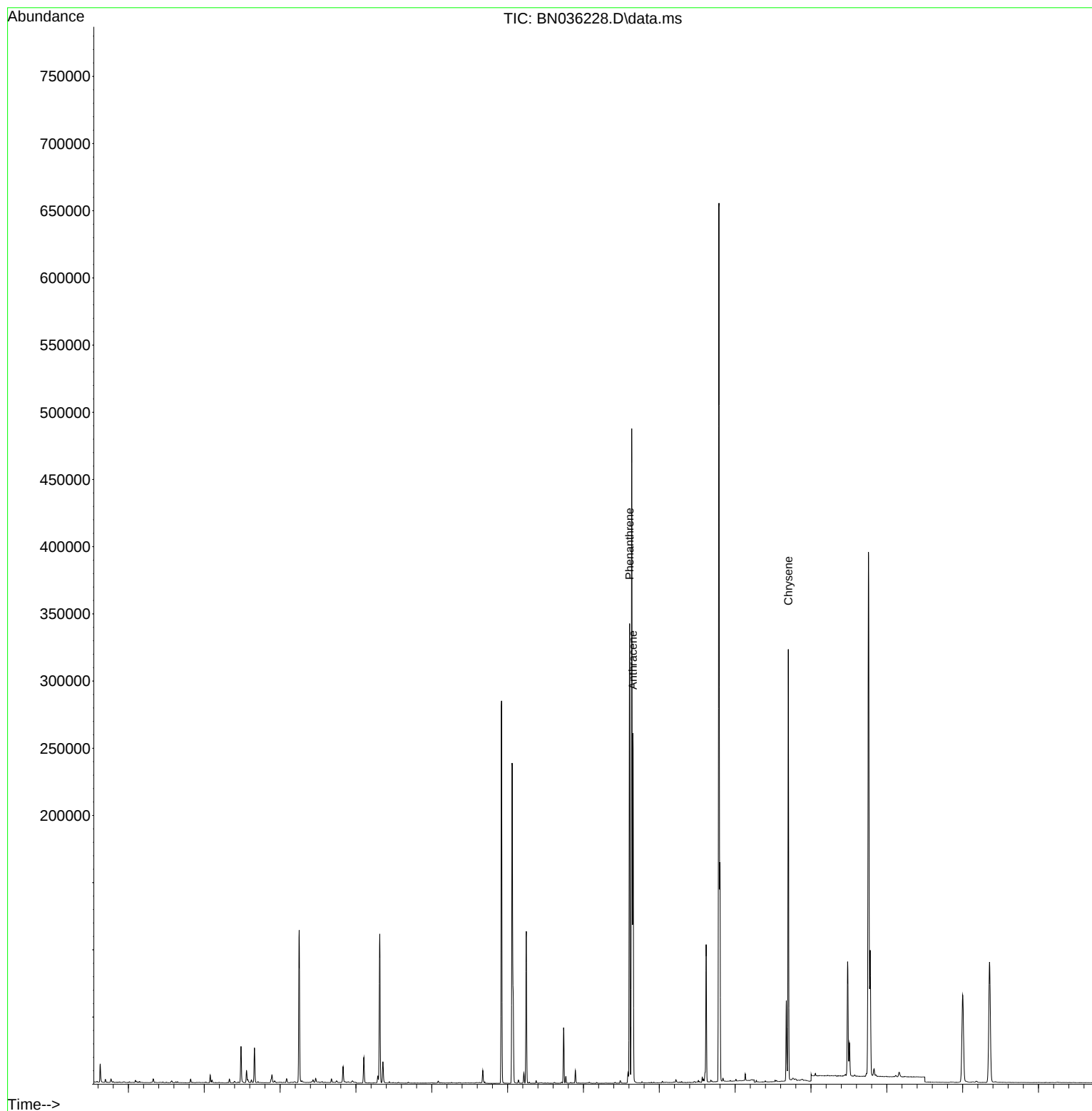
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020325\
Data File : BN036228.D
Acq On : 03 Feb 2025 14:33
Operator : RC/JU
Sample : Q1248-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

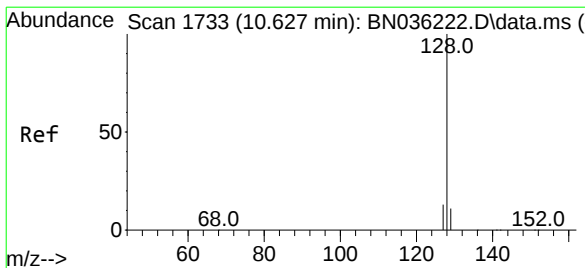
Instrument :
BNA_N
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Quant Time: Feb 03 14:55:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 12:27:24 2025
Response via : Initial Calibration





#5

Naphthalene

Concen: 8.150 ng/u1

RT: 10.628 min Scan# 17

Delta R.T. 0.001 min

Lab File: BN036228.D

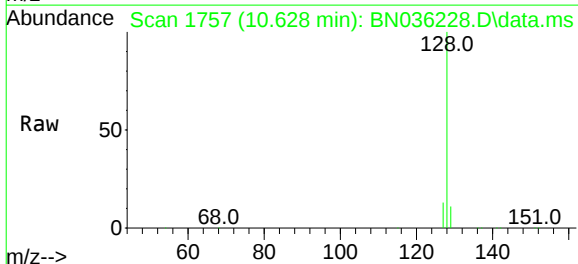
Acq: 03 Feb 2025 14:33

Instrument :

BNA_N

ClientSampleId :

A6319



Tgt Ion:128 Resp: 146875

Ion Ratio Lower Upper

128 100

129 10.9 9.6 14.4

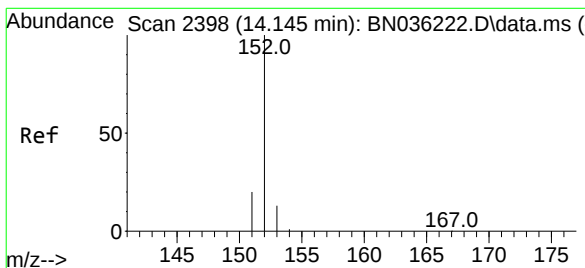
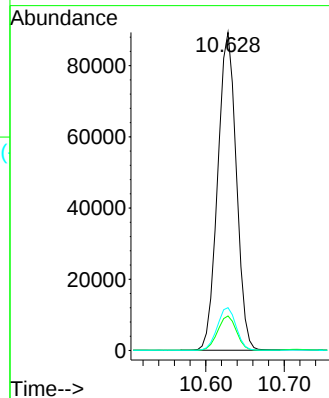
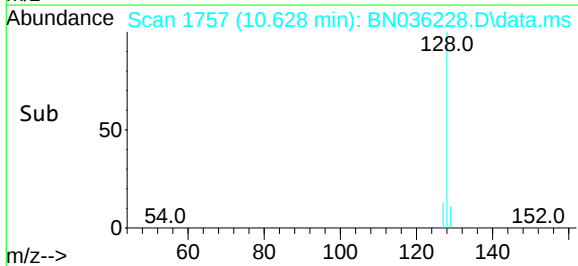
127 13.5 12.0 18.0

Manual Integrations

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#10

Acenaphthylene

Concen: 3.559 ng/u1

RT: 14.146 min Scan# 2422

Delta R.T. 0.001 min

Lab File: BN036228.D

Acq: 03 Feb 2025 14:33

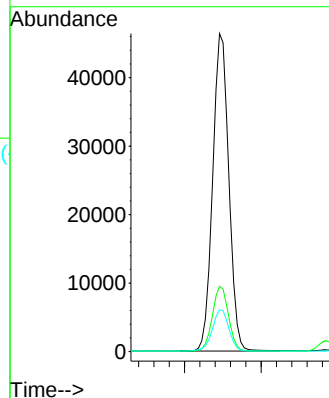
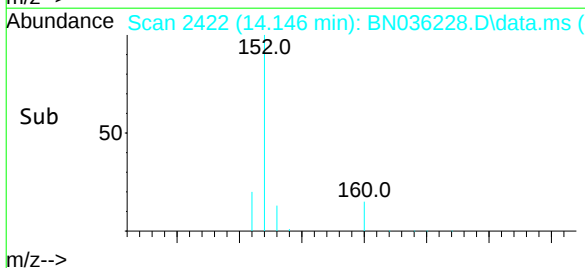
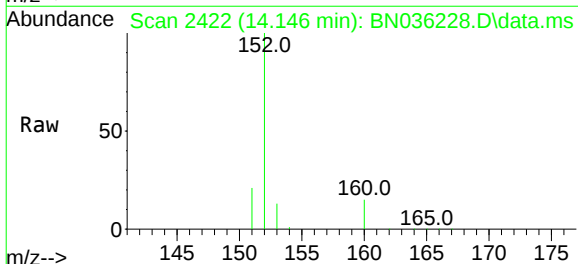
Tgt Ion:152 Resp: 67755

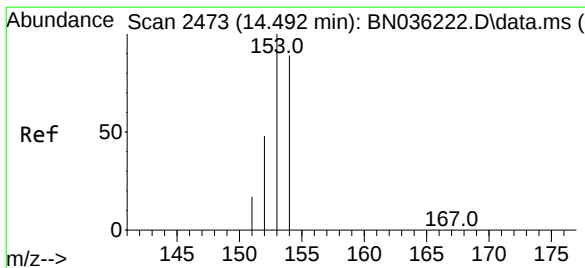
Ion Ratio Lower Upper

152 100

151 20.6 17.4 26.2

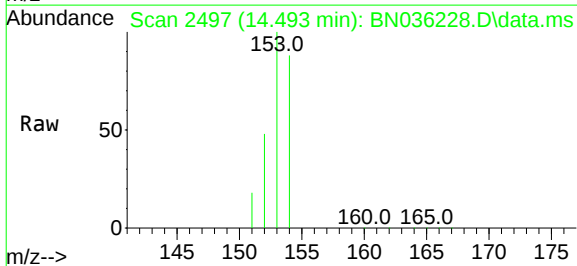
153 13.2 11.9 17.9





#11
Acenaphthene
Concen: 4.532 ng/u1
RT: 14.493 min Scan# 2473
Delta R.T. 0.001 min
Lab File: BN036228.D
Acq: 03 Feb 2025 14:33

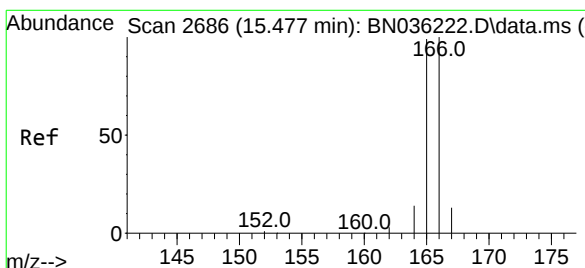
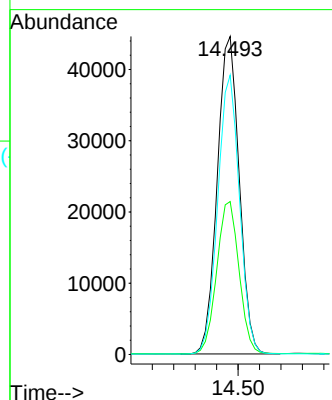
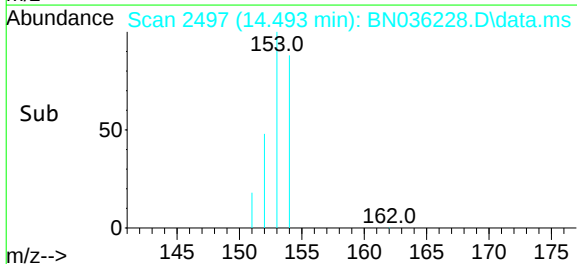
Instrument :
BNA_N
ClientSampleId :
A6319



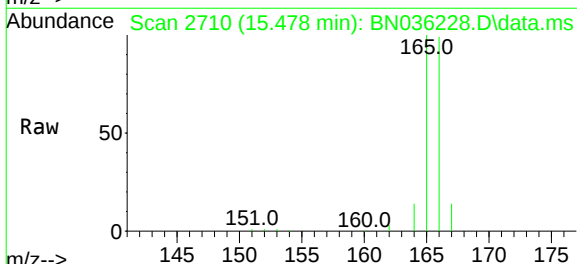
Tgt Ion:153 Resp: 63508
Ion Ratio Lower Upper
153 100
152 48.1 43.2 64.8
154 87.8 70.5 105.7

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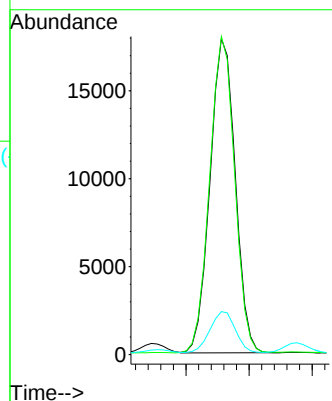
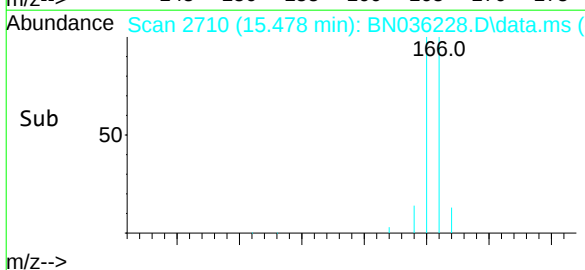
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/07/2025

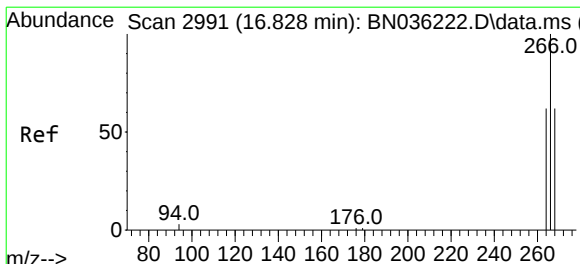


#12
Fluorene
Concen: 1.603 ng/u1
RT: 15.478 min Scan# 2710
Delta R.T. 0.001 min
Lab File: BN036228.D
Acq: 03 Feb 2025 14:33



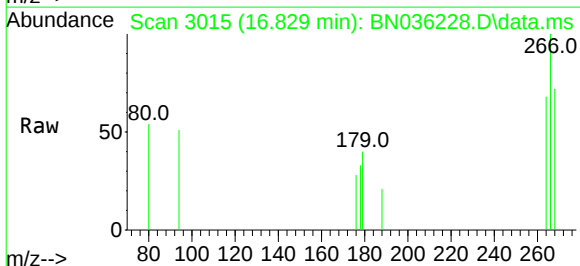
Tgt Ion:166 Resp: 24812
Ion Ratio Lower Upper
166 100
165 100.7 80.3 120.5
167 13.6 12.3 18.5





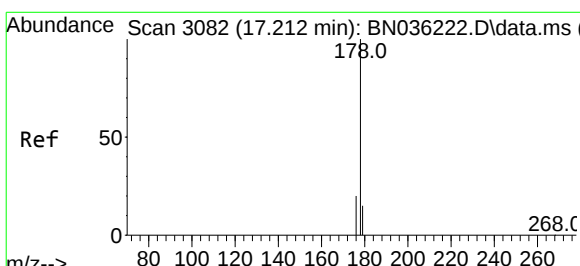
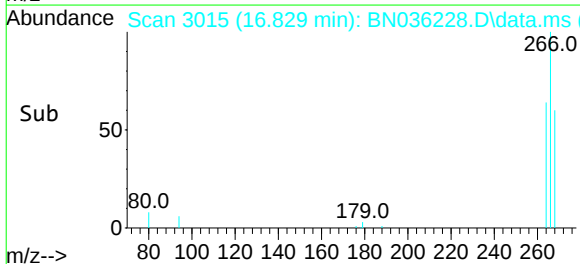
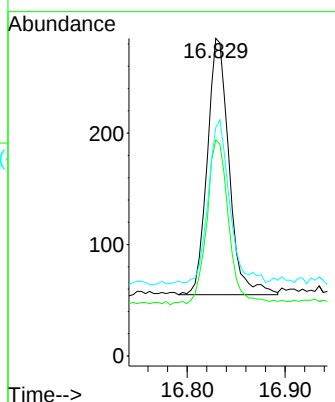
#14
 Pentachlorophenol
 Concen: 0.115 ng/u1
 RT: 16.829 min Scan# 3015
 Delta R.T. 0.001 min
 Lab File: BN036228.D
 Acq: 03 Feb 2025 14:33

Instrument : BNA_N
 ClientSampleId : A6319



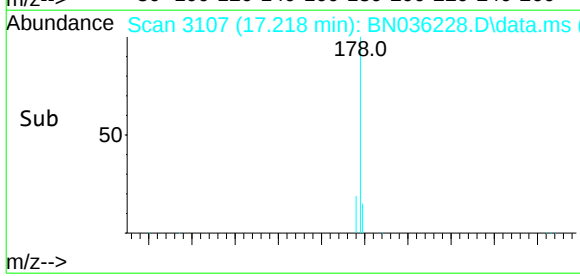
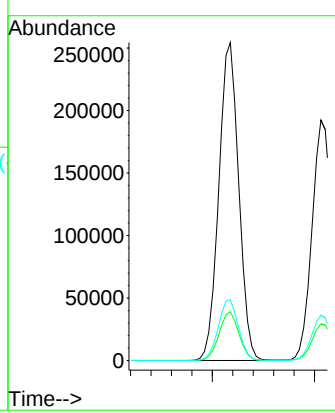
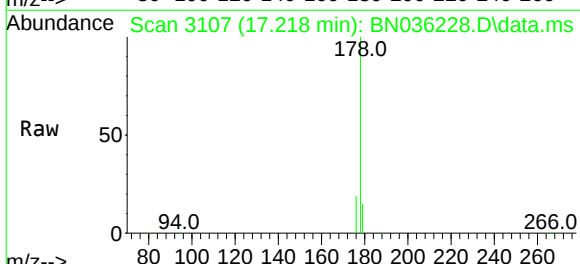
Tgt Ion:	266	Resp:	355
Ion	Ratio	Lower	Upper
266	100		
264	66.2	50.6	75.8
268	63.1	50.6	75.8

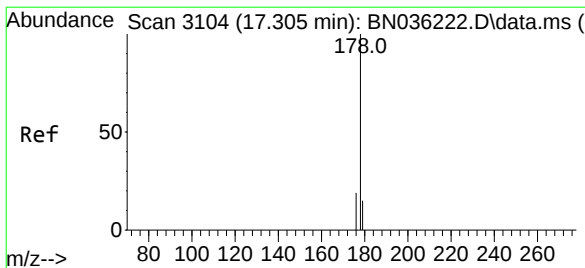
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#15
 Phenanthrene
 Concen: 13.318 ng/u1
 RT: 17.218 min Scan# 3107
 Delta R.T. 0.005 min
 Lab File: BN036228.D
 Acq: 03 Feb 2025 14:33

Tgt Ion:	178	Resp:	343998
Ion	Ratio	Lower	Upper
178	100		
179	15.3	13.2	19.8
176	19.2	16.8	25.2





#16

Anthracene

Concen: 10.934 ng/u1

RT: 17.306 min Scan# 31

Delta R.T. 0.001 min

Lab File: BN036228.D

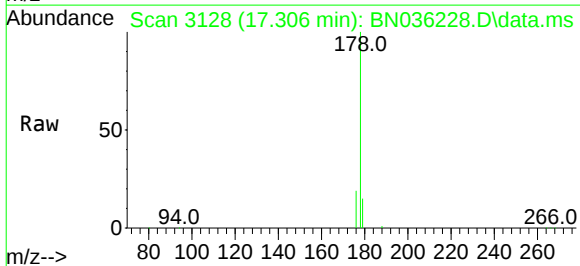
Acq: 03 Feb 2025 14:33

Instrument :

BNA_N

ClientSampleId :

A6319



Tgt Ion:178 Resp: 262500

Ion Ratio Lower Upper

178 100

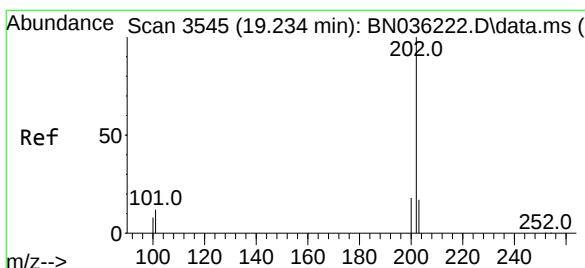
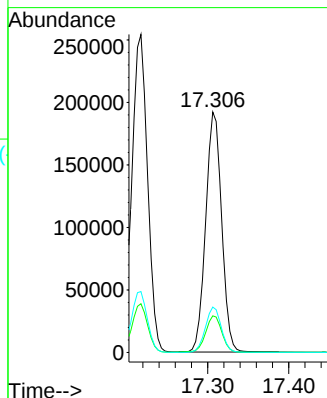
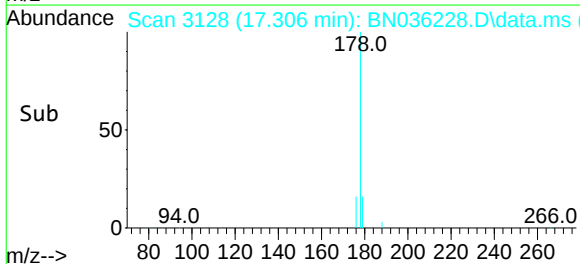
179 15.2 13.0 19.4

176 18.9 15.9 23.9

Manual Integrations

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#19

Fluoranthene

Concen: 2.676 ng/u1

RT: 19.235 min Scan# 3569

Delta R.T. 0.001 min

Lab File: BN036228.D

Acq: 03 Feb 2025 14:33

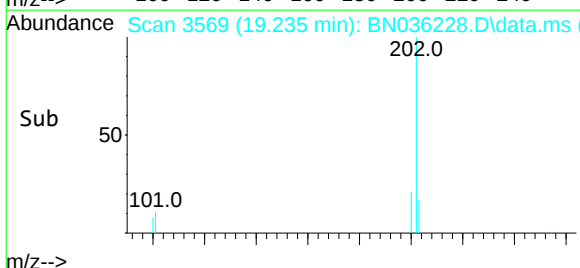
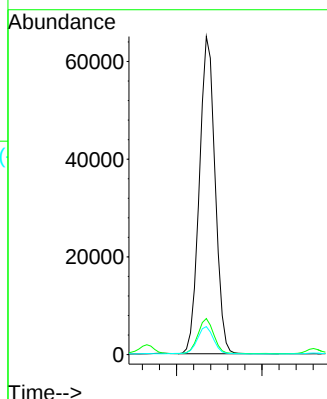
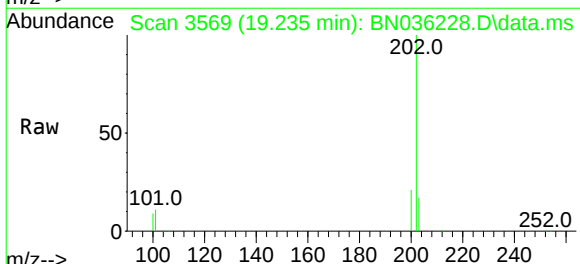
Tgt Ion:202 Resp: 83110

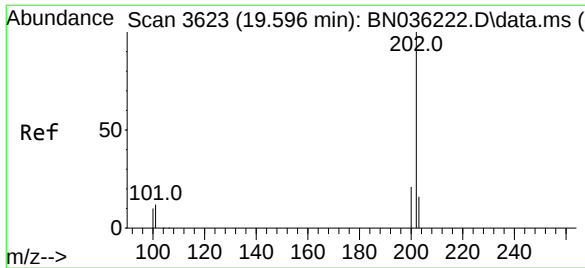
Ion Ratio Lower Upper

202 100

101 11.3 8.4 12.6

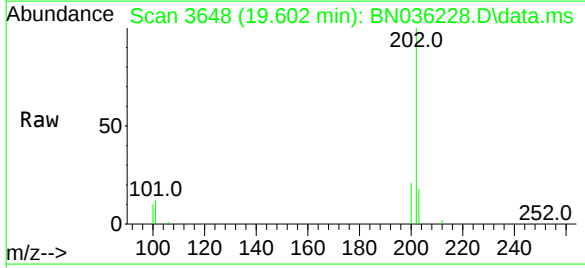
100 8.8 6.5 9.7





#20
Pyrene
 Concen: 3.896 ng/u1
 RT: 19.602 min Scan# 3648
 Delta R.T. 0.006 min
 Lab File: BN036228.D
 Acq: 03 Feb 2025 14:33

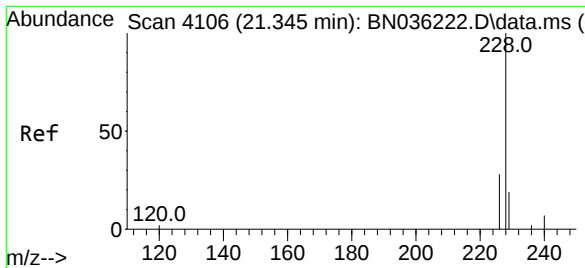
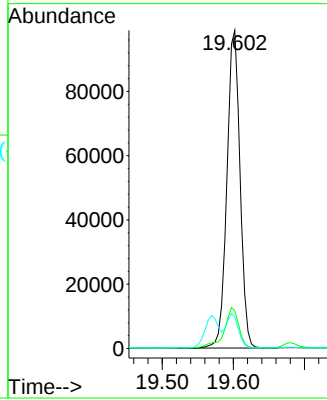
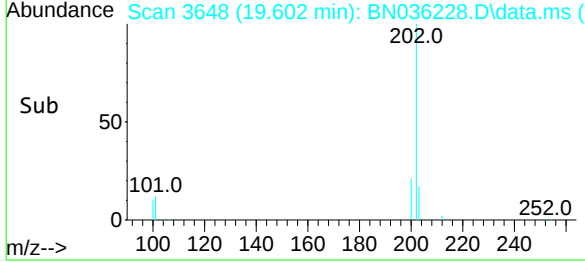
Instrument :
 BNA_N
 ClientSampleId :
 A6319



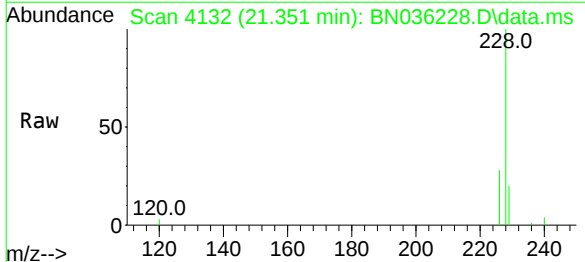
Tgt Ion:	202	Resp:	126297
Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.3	13.9
100	9.9	7.5	11.3

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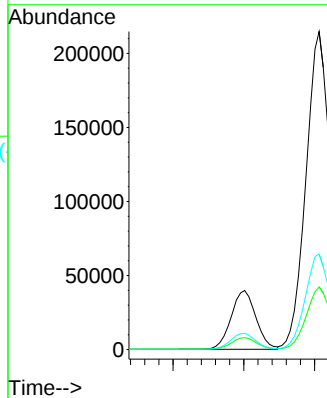
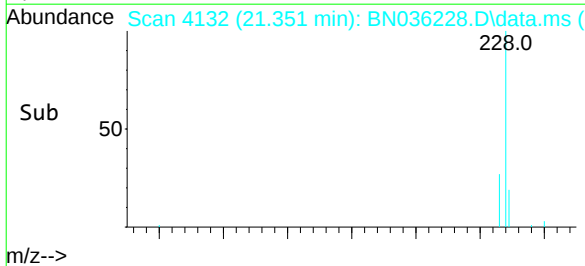
Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/07/2025

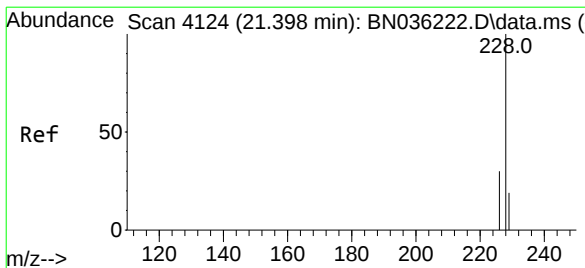


#21
Benzo(a)anthracene
 Concen: 1.652 ng/u1
 RT: 21.351 min Scan# 4132
 Delta R.T. 0.005 min
 Lab File: BN036228.D
 Acq: 03 Feb 2025 14:33



Tgt Ion:	228	Resp:	48194
Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.9	23.9
226	27.7	22.8	34.2





#22

Chrysene

Concen: 8.676 ng/u1

RT: 21.403 min Scan# 41

Delta R.T. 0.005 min

Lab File: BN036228.D

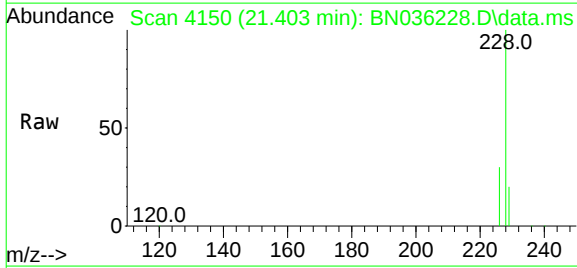
Acq: 03 Feb 2025 14:33

Instrument :

BNA_N

ClientSampleId :

A6319



Tgt Ion:228 Resp: 258509

Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

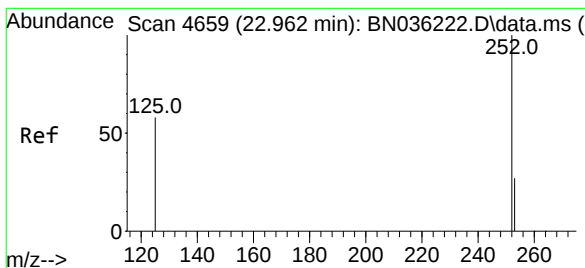
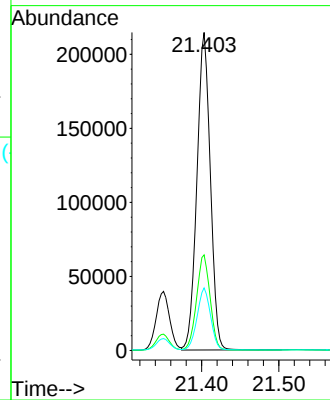
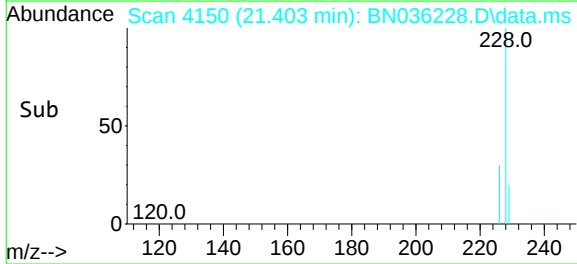
229 19.7 15.9 23.9

Manual Integrations

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Supervised By :mohammad ahmed 02/07/2025



#24

Benzo(b)fluoranthene

Concen: 4.714 ng/u1

RT: 22.967 min Scan# 4685

Delta R.T. 0.005 min

Lab File: BN036228.D

Acq: 03 Feb 2025 14:33

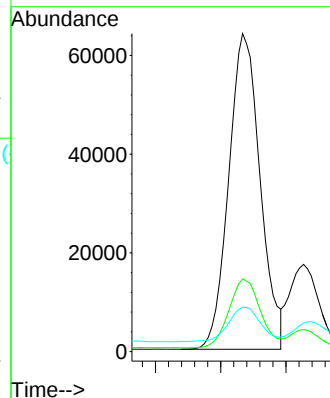
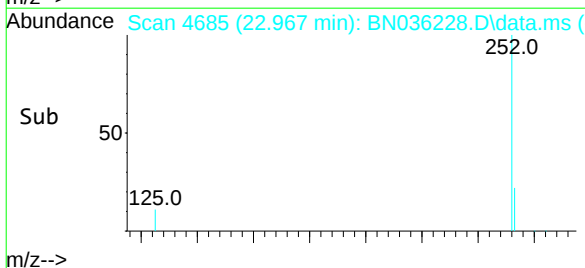
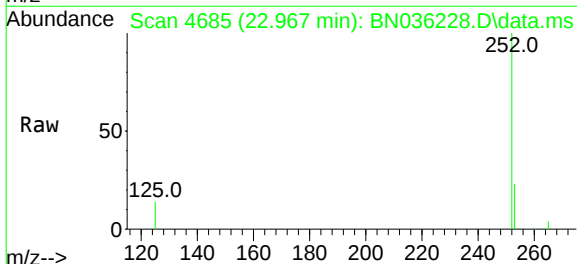
Tgt Ion:252 Resp: 106919

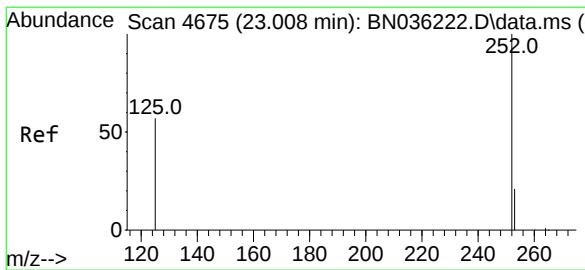
Ion Ratio Lower Upper

252 100

253 22.8 0.0 51.2

125 14.0 0.0 27.8





#25

Benzo(k)fluoranthene

Concen: 1.134 ng/u1 m

RT: 23.014 min Scan# 47

Delta R.T. 0.005 min

Lab File: BN036228.D

Acq: 03 Feb 2025 14:33

Instrument :

BNA_N

ClientSampleId :

A6319

Tgt Ion:252 Resp: 27056

Ion Ratio Lower Upper

252 100

253 25.2 20.2 30.4

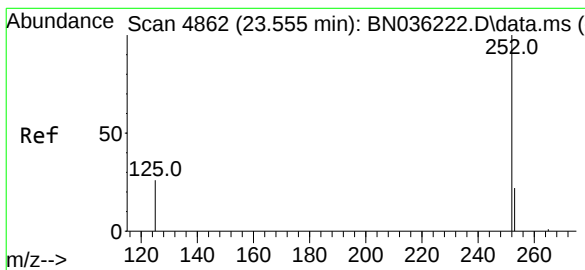
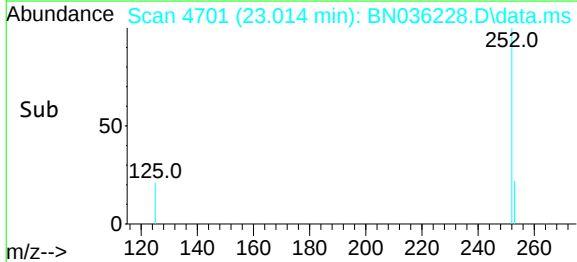
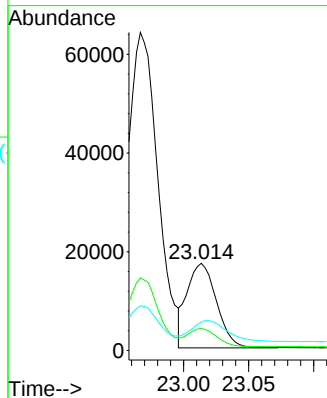
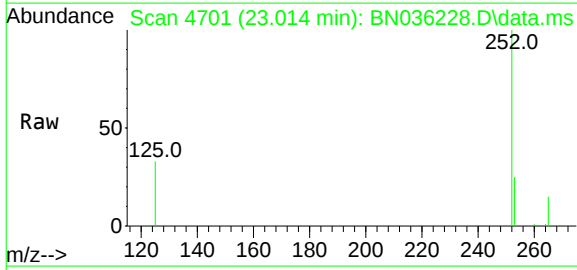
125 32.6 10.6 16.0#

Manual Integrations

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Supervised By :mohammad ahmed 02/07/2025



#26

Benzo(a)pyrene

Concen: 6.095 ng/u1

RT: 23.560 min Scan# 4888

Delta R.T. 0.005 min

Lab File: BN036228.D

Acq: 03 Feb 2025 14:33

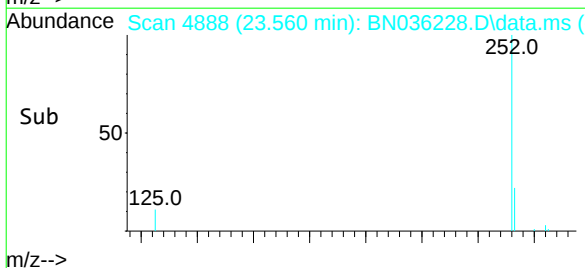
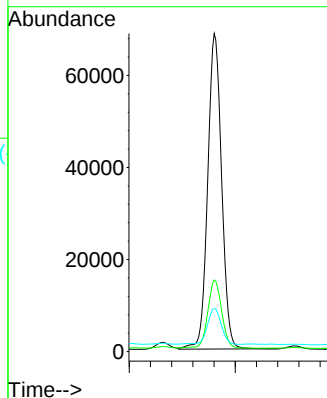
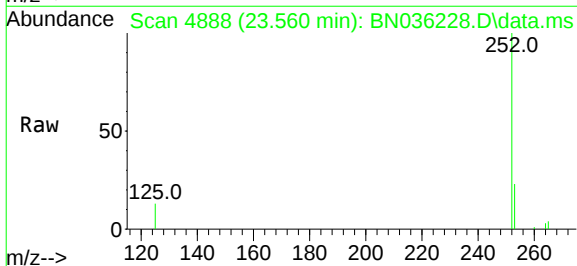
Tgt Ion:252 Resp: 124867

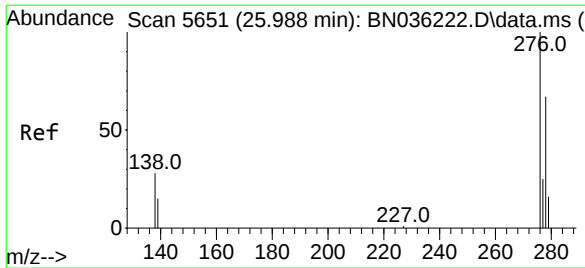
Ion Ratio Lower Upper

252 100

253 22.5 22.2 33.4

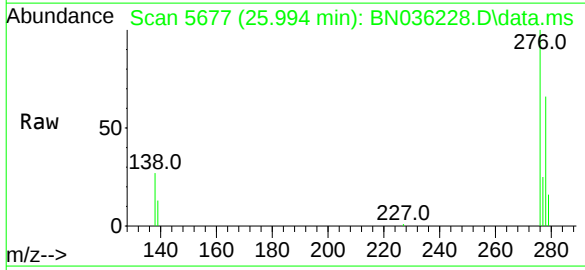
125 13.5 13.1 19.7





#27
Indeno(1,2,3-cd)pyrene
Concen: 2.700 ng/u1
RT: 25.994 min Scan# 5677
Delta R.T. 0.006 min
Lab File: BN036228.D
Acq: 03 Feb 2025 14:33

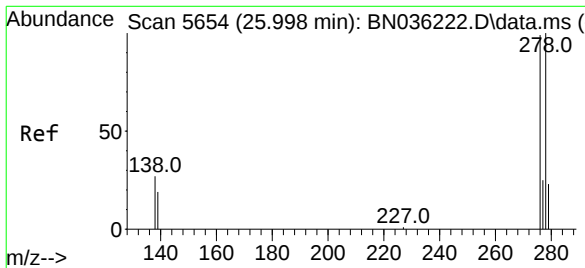
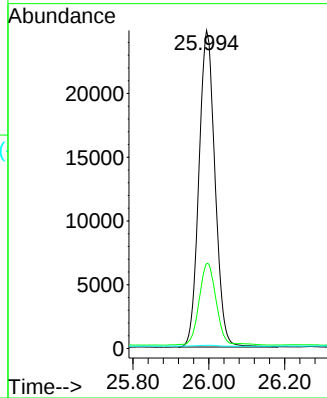
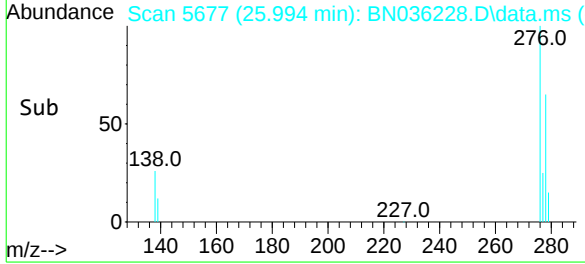
Instrument :
BNA_N
ClientSampleId :
A6319



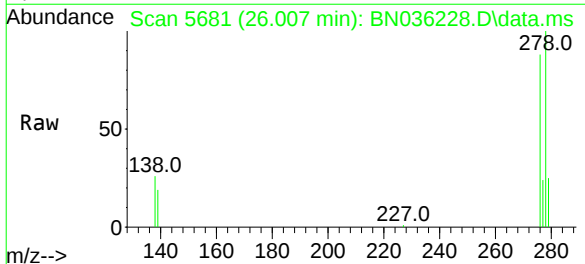
Tgt Ion: 276 Resp: 73153
Ion Ratio Lower Upper
276 100
138 27.6 20.2 30.4
227 0.4 0.1 0.1

Manual Integrations
APPROVED

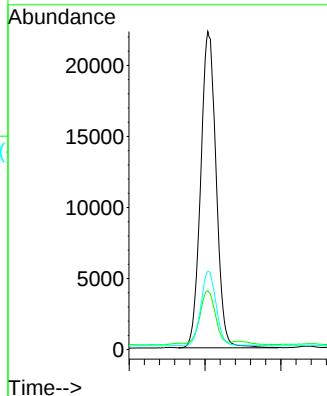
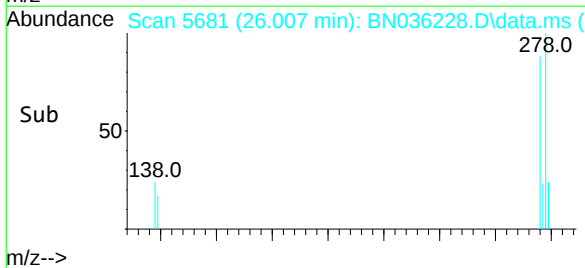
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/07/2025

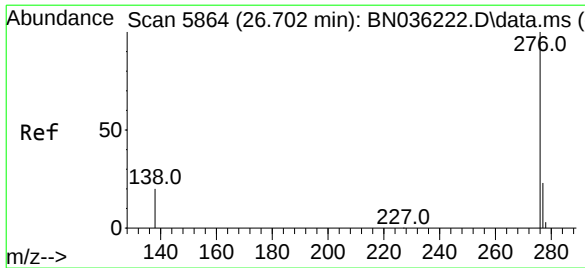


#28
Dibenzo(a,h)anthracene
Concen: 3.024 ng/u1
RT: 26.007 min Scan# 5681
Delta R.T. 0.009 min
Lab File: BN036228.D
Acq: 03 Feb 2025 14:33



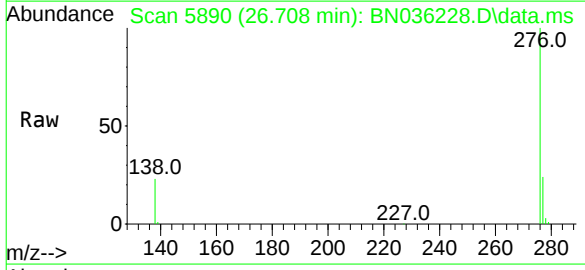
Tgt Ion: 278 Resp: 63138
Ion Ratio Lower Upper
278 100
139 18.5 15.4 23.2
279 24.6 22.2 33.4





#29
Benzo(g,h,i)perylene
Concen: 8.571 ng/ul
RT: 26.708 min Scan# 5864
Delta R.T. 0.006 min
Lab File: BN036228.D
Acq: 03 Feb 2025 14:33

Instrument :
BNA_N
ClientSampleId :
A6319



Tgt	Ion	276	Resp	180380
Ion	Ratio	Lower	Upper	
276	100			
138	22.8	19.4	29.0	
277	23.8	21.1	31.7	

Manual Integrations
APPROVED

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

