

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020325\
 Data File : BN036224.D
 Acq On : 03 Feb 2025 11:57
 Operator : RC/JU
 Sample : Q1148-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 XA172

Manual Integrations
 APPROVED

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

Quant Time: Feb 03 12:29:18 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	7.786	152	3023	0.400	ng/ul	0.00
4) Naphthalene-d8	10.576	136	7231	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.426	164	4062	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.174	188	8071	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.363	240	8335	0.400	ng/ul	# 0.00
23) Perylene-d12	23.657	264	8993	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.259	96	1046	0.316	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.171	152	2388	0.262	ng/ul	0.00
18) Fluoranthene-d10	19.206	212	5641	0.246	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.626	128	125370	6.294	ng/ul	97
10) Acenaphthylene	14.149	152	133308	6.963	ng/ul	96
11) Acenaphthene	14.491	153	169922	12.058	ng/ul	97
12) Fluorene	15.477	166	99522	6.395	ng/ul	98
15) Phenanthrene	17.217	178	267174	11.305	ng/ul	96
16) Anthracene	17.305	178	238138	10.841	ng/ul	98
19) Fluoranthene	19.234	202	192786	6.086	ng/ul	98
20) Pyrene	19.596	202	86294	2.610	ng/ul	96
21) Benzo(a)anthracene	21.348	228	25334	0.852	ng/ul	98
22) Chrysene	21.401	228	75507	2.484	ng/ul	99
24) Benzo(b)fluoranthene	22.967	252	75862	2.528	ng/ul	97
25) Benzo(k)fluoranthene	23.011	252	60742m	1.925	ng/ul	
26) Benzo(a)pyrene	23.555	252	100022	3.690	ng/ul	92
27) Indeno(1,2,3-cd)pyrene	25.995	276	121432	3.387	ng/ul#	94
28) Dibenzo(a,h)anthracene	26.005	278	117041	4.236	ng/ul	94
29) Benzo(g,h,i)perylene	26.706	276	86142	3.094	ng/ul	97

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

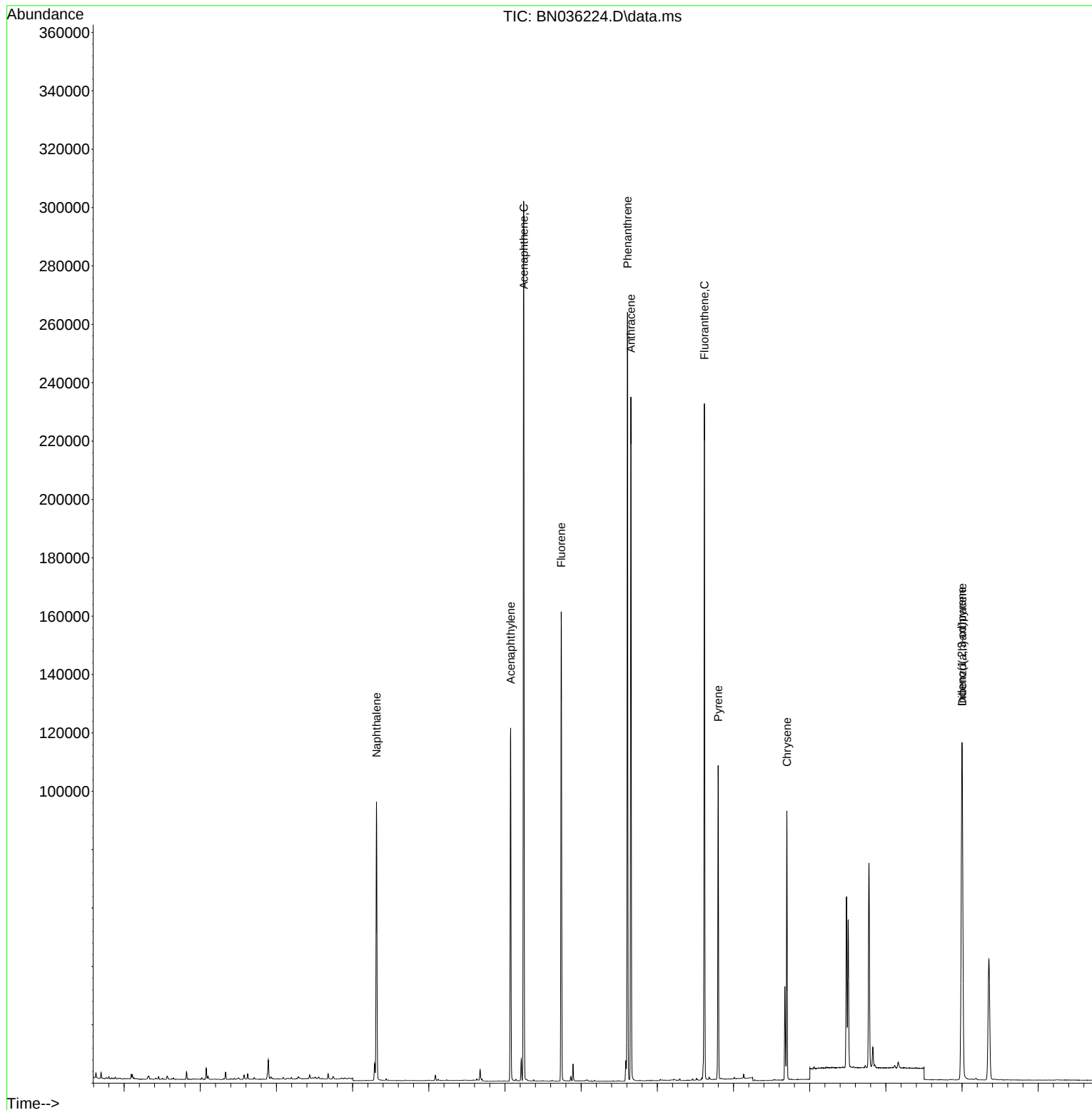
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020325\
Data File : BN036224.D
Acq On : 03 Feb 2025 11:57
Operator : RC/JU
Sample : Q1148-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

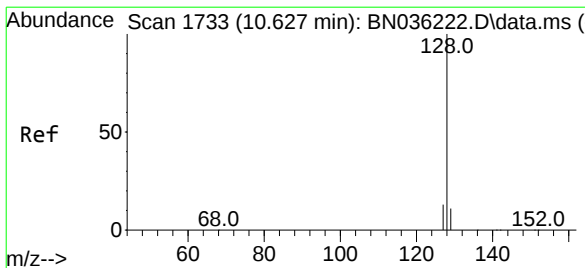
Instrument :
BNA_N
ClientSampleId :
XA172

Manual Integrations
APPROVED

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

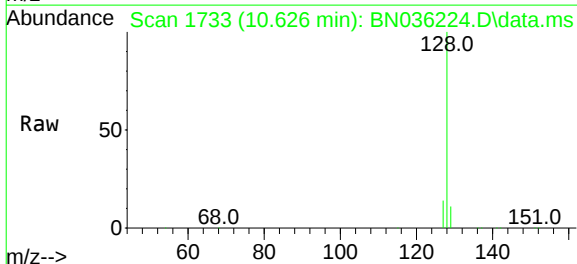
Quant Time: Feb 03 12:29:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 12:27:24 2025
Response via : Initial Calibration





#5
Naphthalene
Concen: 6.294 ng/u1
RT: 10.626 min Scan# 1733
Delta R.T. -0.001 min
Lab File: BN036224.D
Acq: 03 Feb 2025 11:57

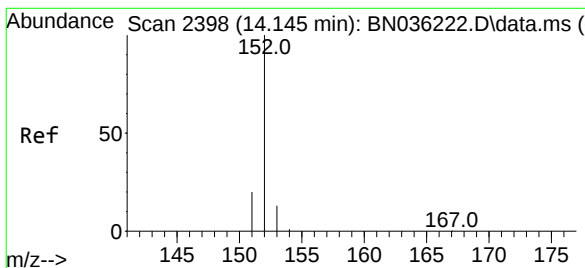
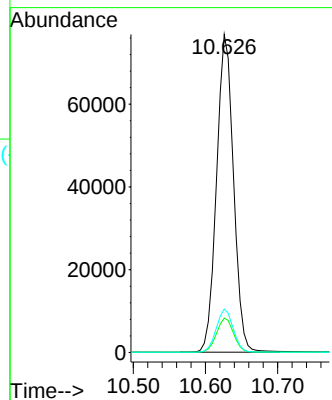
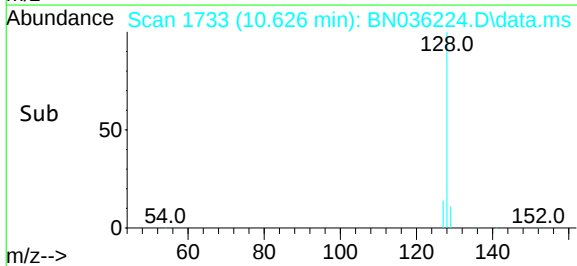
Instrument :
BNA_N
ClientSampleId :
XA172



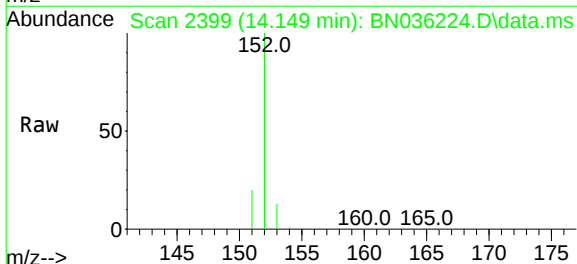
Tgt Ion:128 Resp: 125370
Ion Ratio Lower Upper
128 100
129 10.8 9.6 14.4
127 13.7 12.0 18.0

Manual Integrations
APPROVED

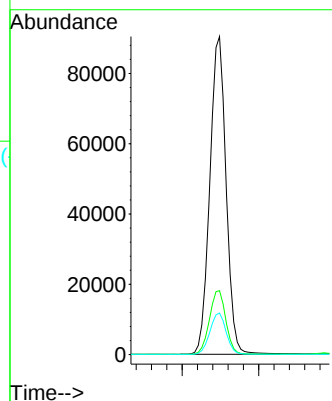
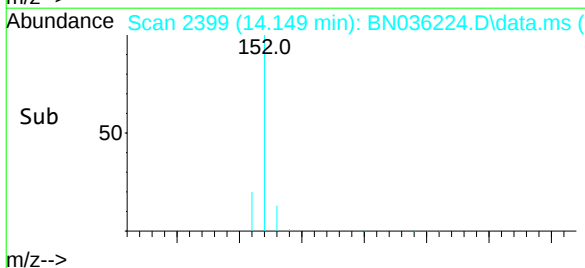
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/07/2025

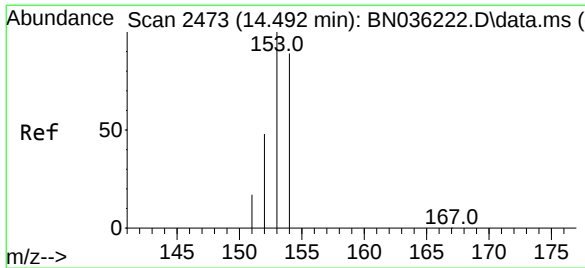


#10
Acenaphthylene
Concen: 6.963 ng/u1
RT: 14.149 min Scan# 2399
Delta R.T. 0.004 min
Lab File: BN036224.D
Acq: 03 Feb 2025 11:57



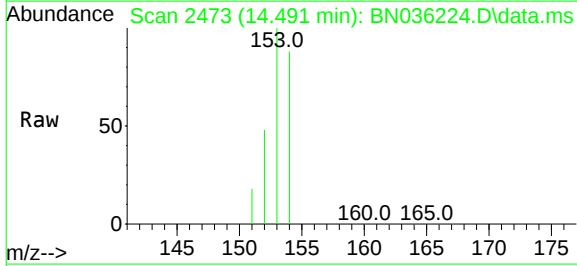
Tgt Ion:152 Resp: 133308
Ion Ratio Lower Upper
152 100
151 20.1 17.4 26.2
153 13.1 11.9 17.9





#11
Acenaphthene
Concen: 12.058 ng/u1
RT: 14.491 min Scan# 2473
Delta R.T. -0.000 min
Lab File: BN036224.D
Acq: 03 Feb 2025 11:57

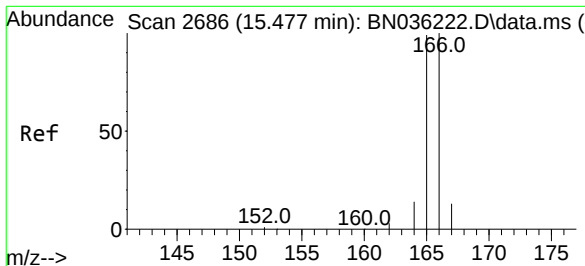
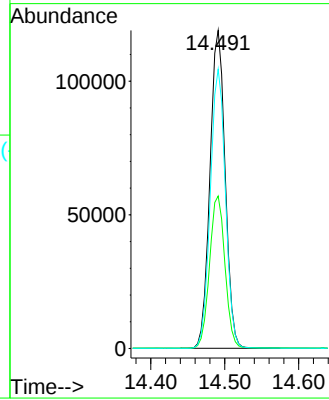
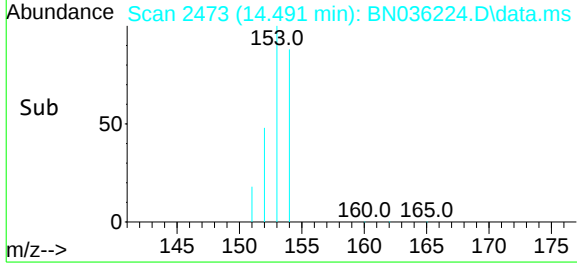
Instrument :
BNA_N
ClientSampleId :
XA172



Tgt Ion:153 Resp: 169922
Ion Ratio Lower Upper
153 100
152 47.9 43.2 64.8
154 87.8 70.5 105.7

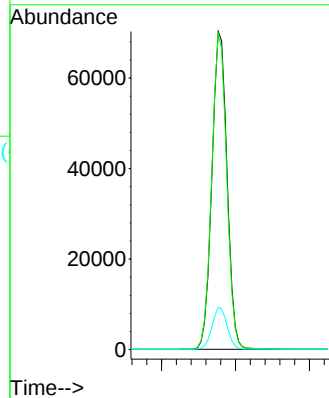
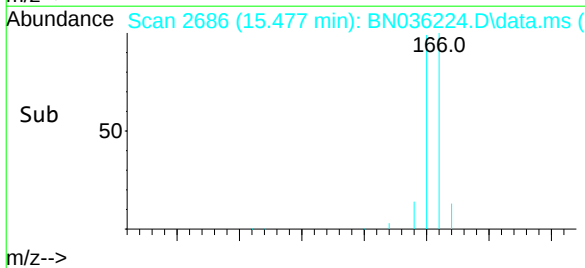
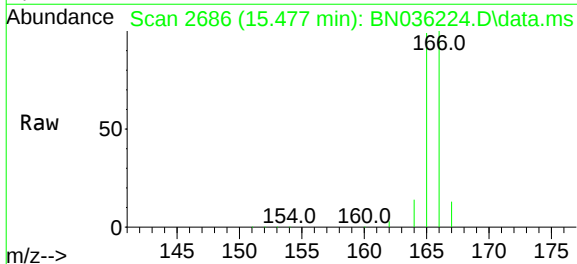
Manual Integrations
APPROVED

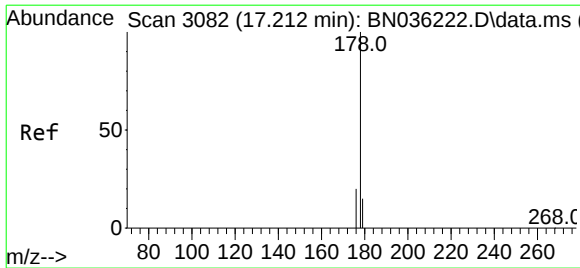
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/07/2025



#12
Fluorene
Concen: 6.395 ng/u1
RT: 15.477 min Scan# 2686
Delta R.T. -0.000 min
Lab File: BN036224.D
Acq: 03 Feb 2025 11:57

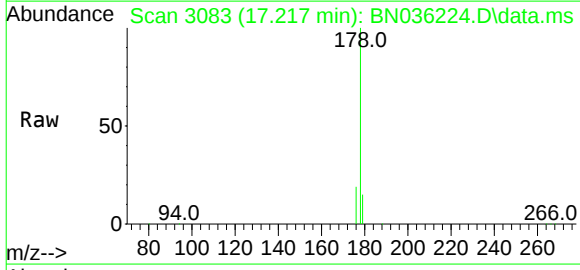
Tgt Ion:166 Resp: 99522
Ion Ratio Lower Upper
166 100
165 99.3 80.3 120.5
167 13.2 12.3 18.5





#15
Phenanthrene
Concen: 11.305 ng/u1
RT: 17.217 min Scan# 3082
Delta R.T. 0.004 min
Lab File: BN036224.D
Acq: 03 Feb 2025 11:57

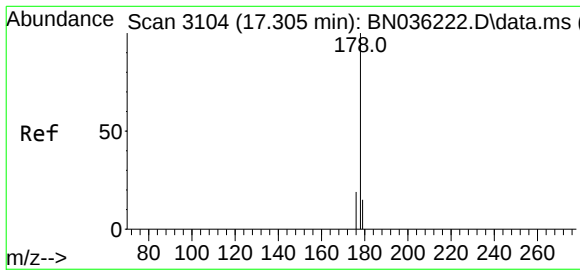
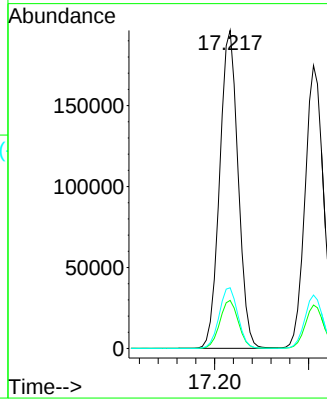
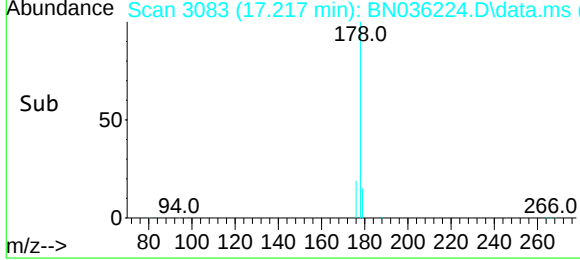
Instrument :
BNA_N
ClientSampleId :
XA172



Tgt Ion:178 Resp: 267174
Ion Ratio Lower Upper
178 100
179 15.1 13.2 19.8
176 19.1 16.8 25.2

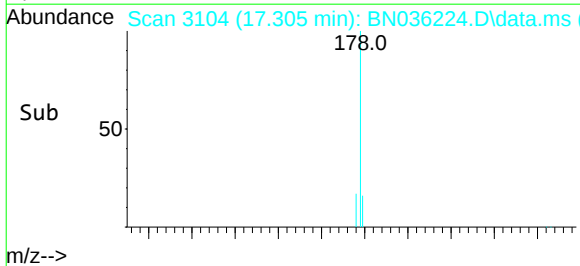
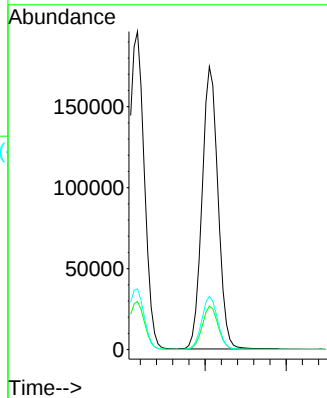
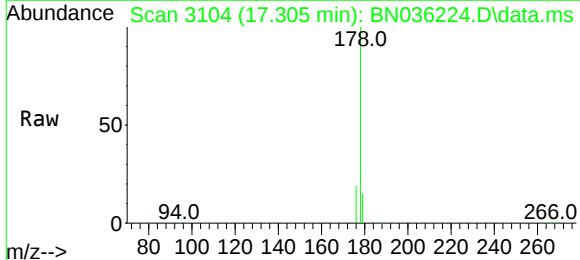
Manual Integrations
APPROVED

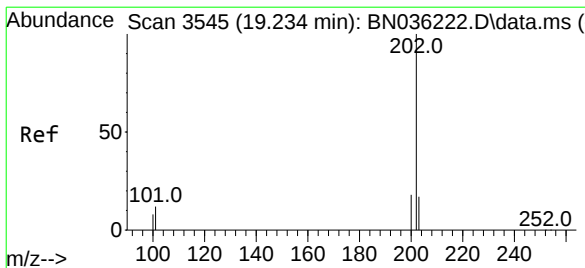
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/07/2025



#16
Anthracene
Concen: 10.841 ng/u1
RT: 17.305 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BN036224.D
Acq: 03 Feb 2025 11:57

Tgt Ion:178 Resp: 238138
Ion Ratio Lower Upper
178 100
179 15.4 13.0 19.4
176 18.9 15.9 23.9





#19

Fluoranthene

Concen: 6.086 ng/u1

RT: 19.234 min Scan# 3545

Delta R.T. 0.000 min

Lab File: BN036224.D

Acq: 03 Feb 2025 11:57

Instrument :

BNA_N

ClientSampleId :

XA172

Tgt Ion:202 Resp: 192786

Ion Ratio Lower Upper

202 100

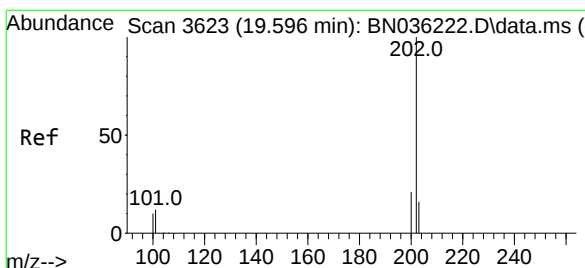
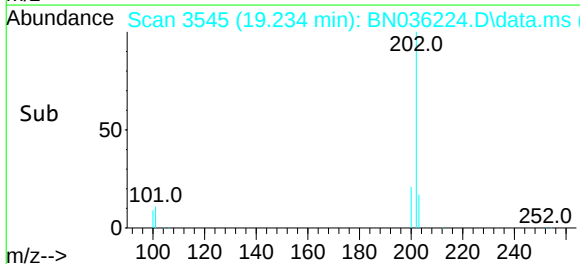
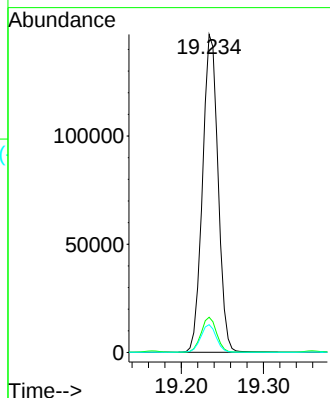
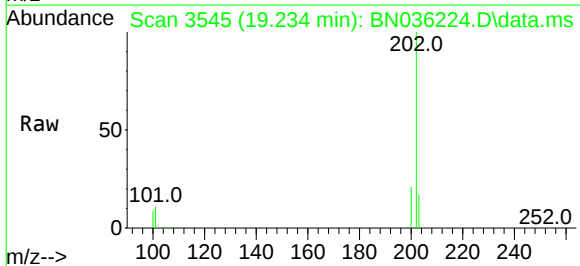
101 11.1 8.4 12.6

100 8.8 6.5 9.7

Manual Integrations

APPROVED

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



#20

Pyrene

Concen: 2.610 ng/u1

RT: 19.596 min Scan# 3623

Delta R.T. 0.000 min

Lab File: BN036224.D

Acq: 03 Feb 2025 11:57

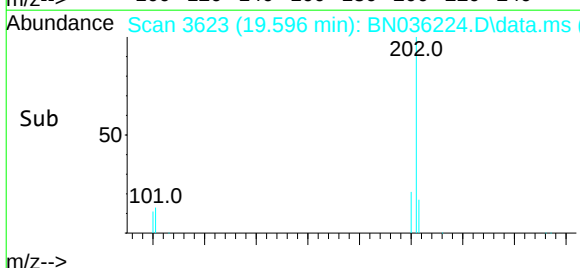
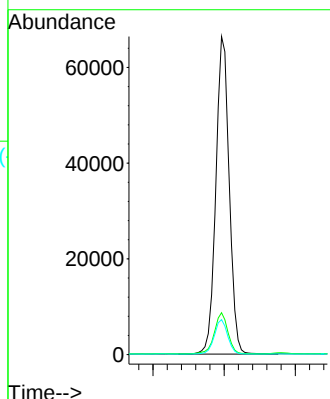
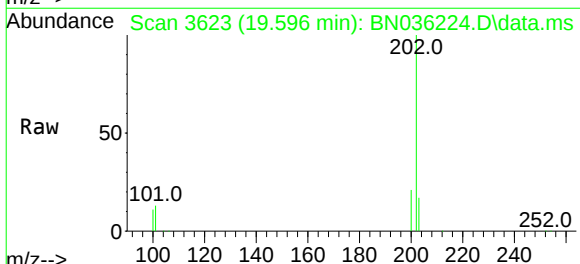
Tgt Ion:202 Resp: 86294

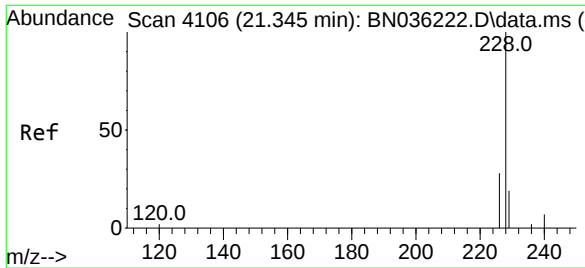
Ion Ratio Lower Upper

202 100

101 13.2 9.3 13.9

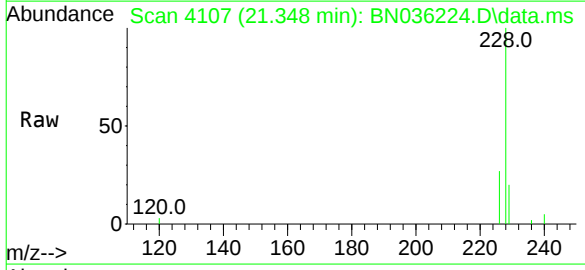
100 11.0 7.5 11.3





#21
Benzo(a)anthracene
Concen: 0.852 ng/u1
RT: 21.348 min Scan# 4106
Delta R.T. 0.003 min
Lab File: BN036224.D
Acq: 03 Feb 2025 11:57

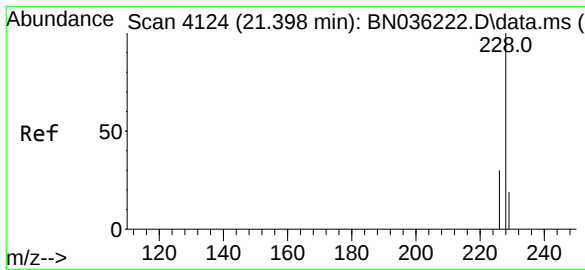
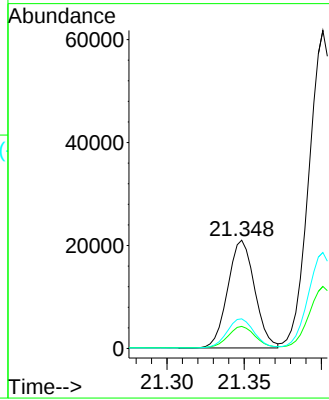
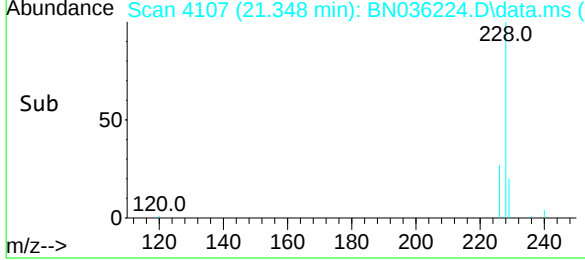
Instrument :
BNA_N
ClientSampleId :
XA172



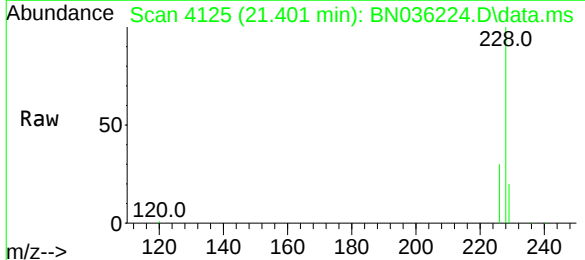
Tgt Ion:228 Resp: 25334
Ion Ratio Lower Upper
228 100
229 20.4 15.9 23.9
226 27.4 22.8 34.2

Manual Integrations
APPROVED

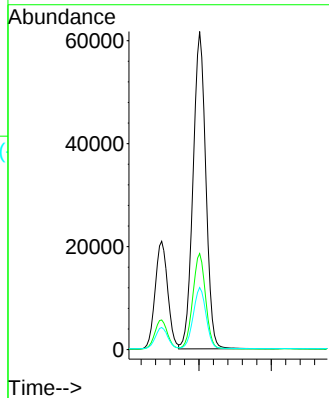
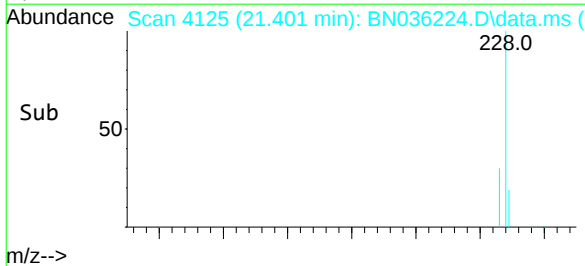
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/07/2025

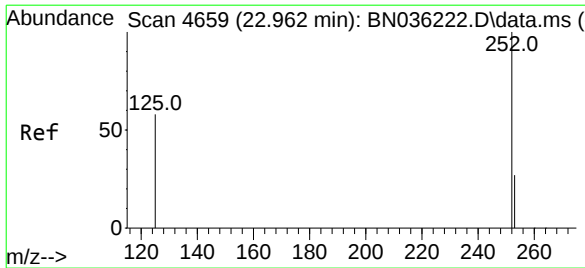


#22
Chrysene
Concen: 2.484 ng/u1
RT: 21.401 min Scan# 4125
Delta R.T. 0.003 min
Lab File: BN036224.D
Acq: 03 Feb 2025 11:57



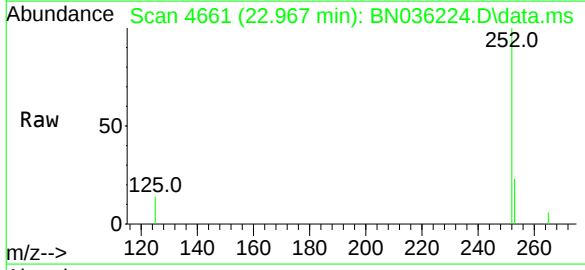
Tgt Ion:228 Resp: 75507
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 19.5 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 2.528 ng/u1
RT: 22.967 min Scan# 4659
Delta R.T. 0.006 min
Lab File: BN036224.D
Acq: 03 Feb 2025 11:57

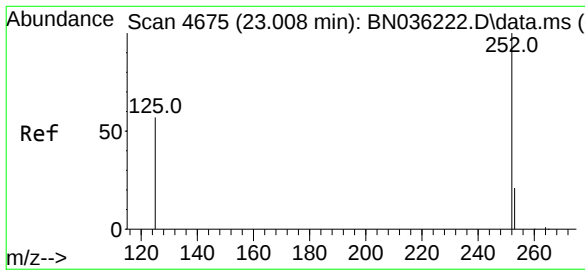
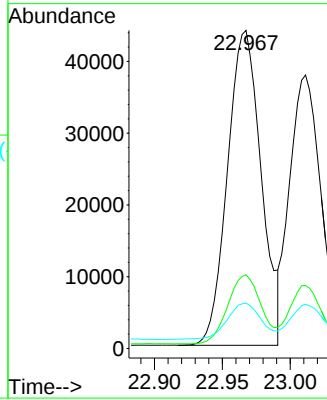
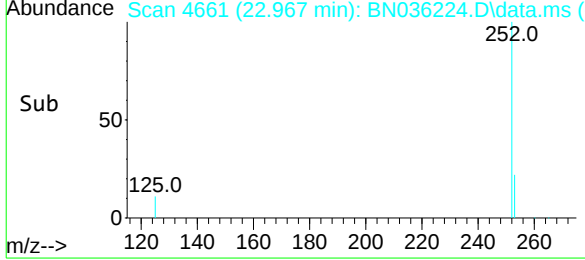
Instrument :
BNA_N
ClientSampleId :
XA172



Tgt Ion:252 Resp: 75862
Ion Ratio Lower Upper
252 100
253 23.2 0.0 51.2
125 14.3 0.0 27.8

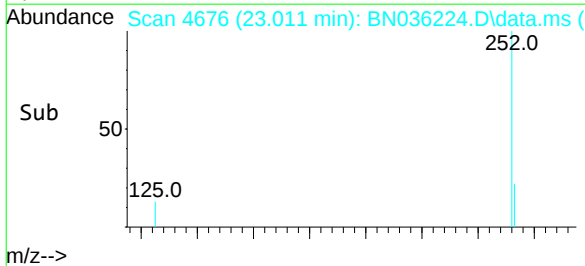
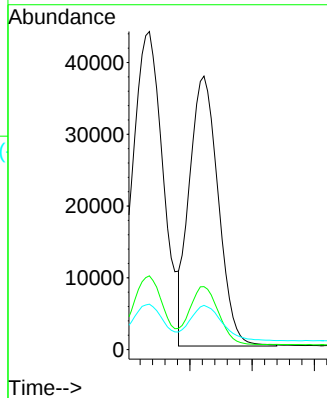
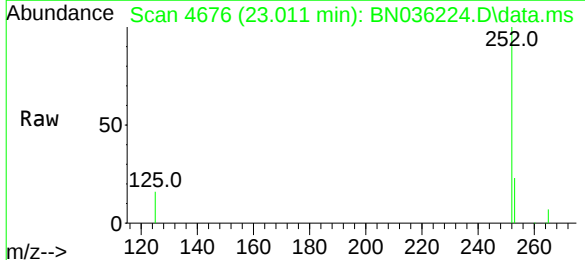
Manual Integrations
APPROVED

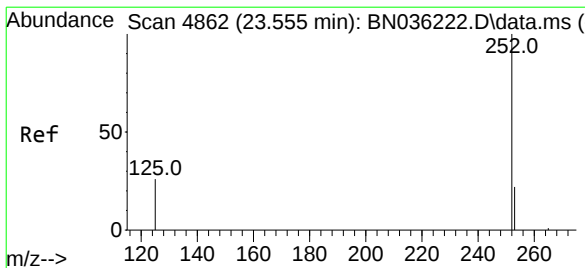
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/07/2025



#25
Benzo(k)fluoranthene
Concen: 1.925 ng/u1 m
RT: 23.011 min Scan# 4676
Delta R.T. 0.003 min
Lab File: BN036224.D
Acq: 03 Feb 2025 11:57

Tgt Ion:252 Resp: 60742
Ion Ratio Lower Upper
252 100
253 23.0 20.2 30.4
125 16.2 10.6 16.0#





#26

Benzo(a)pyrene

Concen: 3.690 ng/u1

RT: 23.555 min Scan# 48

Delta R.T. -0.000 min

Lab File: BN036224.D

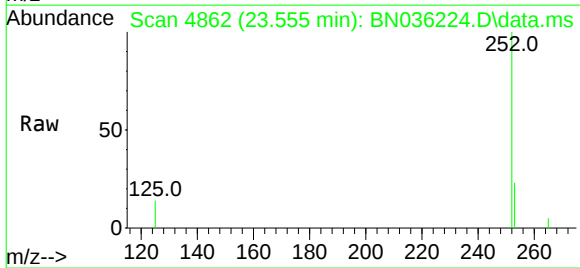
Acq: 03 Feb 2025 11:57

Instrument :

BN036224.D

ClientSampleId :

XA172



Tgt Ion:252 Resp: 100022

Ion Ratio Lower Upper

252 100

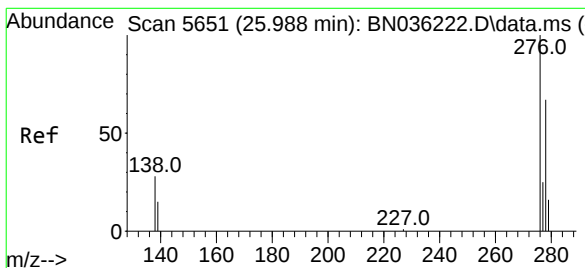
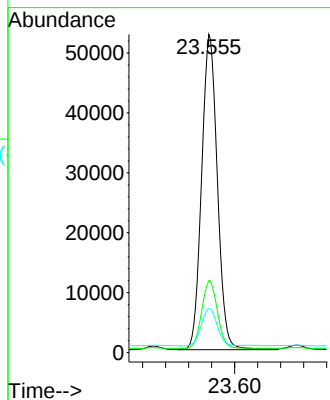
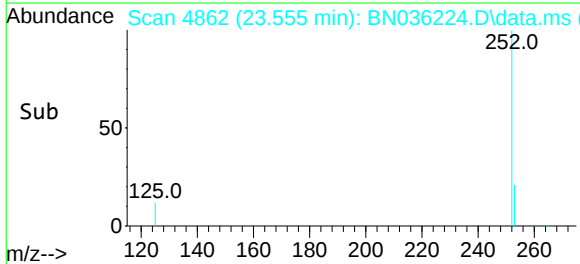
253 22.6 22.2 33.4

125 13.8 13.1 19.7

Manual Integrations

APPROVED

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



#27

Indeno(1,2,3-cd)pyrene

Concen: 3.387 ng/u1

RT: 25.995 min Scan# 5653

Delta R.T. 0.007 min

Lab File: BN036224.D

Acq: 03 Feb 2025 11:57

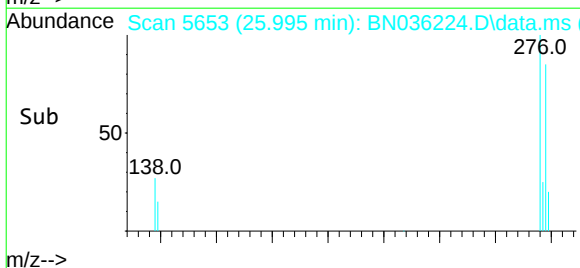
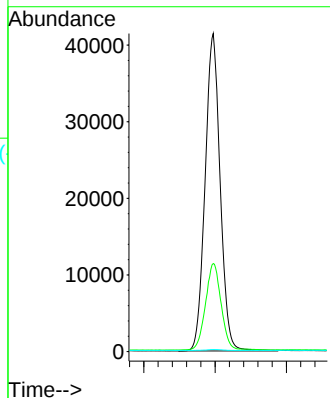
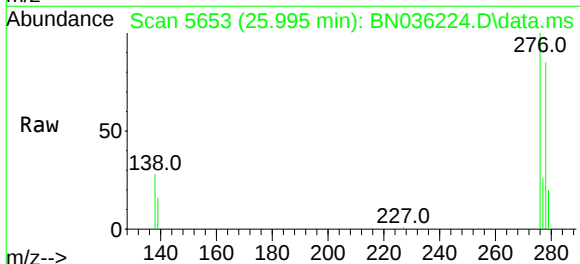
Tgt Ion:276 Resp: 121432

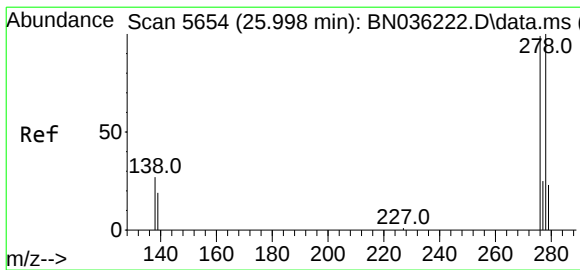
Ion Ratio Lower Upper

276 100

138 28.3 20.2 30.4

227 0.3 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 4.236 ng/ul

RT: 26.005 min Scan# 56

Delta R.T. 0.007 min

Lab File: BN036224.D

Acq: 03 Feb 2025 11:57

Instrument :

BNA_N

ClientSampleId :

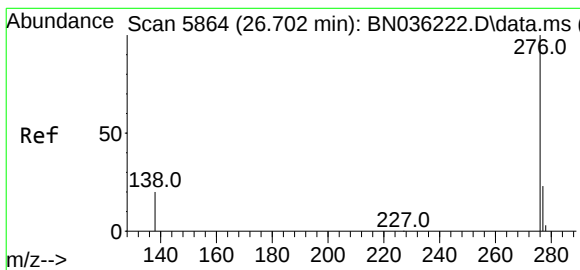
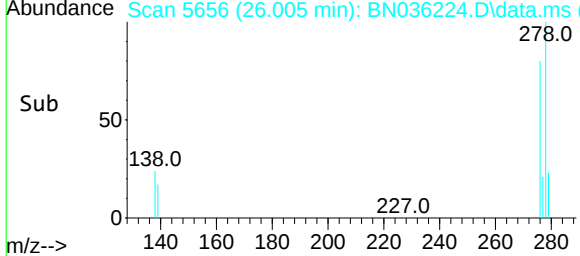
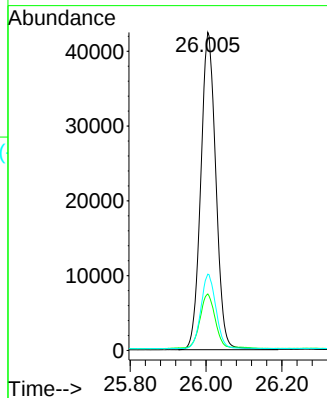
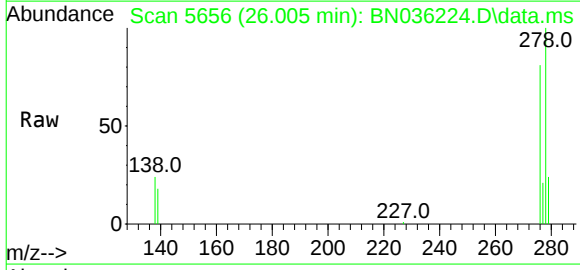
XA172

Tgt Ion:	278	Resp:	117041
Ion Ratio	Lower	Upper	
278	100		
139	17.8	15.4	23.2
279	24.0	22.2	33.4

Manual Integrations

APPROVED

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



#29

Benzo(g,h,i)perylene

Concen: 3.094 ng/ul

RT: 26.706 min Scan# 5865

Delta R.T. 0.003 min

Lab File: BN036224.D

Acq: 03 Feb 2025 11:57

Tgt Ion:	276	Resp:	86142
Ion Ratio	Lower	Upper	
276	100		
138	23.4	19.4	29.0
277	24.0	21.1	31.7

