

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100523\
 Data File : BN028079.D
 Acq On : 06 Oct 2023 11:34
 Operator : MA/JU
 Sample : 04527-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EZYG8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/08/2023
 Supervised By :mohammad ahmed 10/08/2023

Quant Time: Oct 07 00:30:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN100323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 06 05:15:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	6215	0.400	ng/ul	0.00
4) Naphthalene-d8	10.751	136	19421	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.583	164	10409	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.337	188	20702	0.400	ng/ul	0.00
17) Chrysene-d12	21.527	240	17784	0.400	ng/ul #	0.00
23) Perylene-d12	23.994	264	19447	0.400	ng/ul #	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.330	96	16421	2.104	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.335	152	4675	0.149	ng/ul	0.00
18) Fluoranthene-d10	19.366	212	8327	0.148	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.806	128	12953	0.235	ng/ul#	92
7) 2-Methylnaphthalene	12.412	142	14975	0.430	ng/ul	99
8) 1-Methylnaphthalene	12.627	142	6910	0.192	ng/ul	98
10) Acenaphthylene	14.310	152	1915	0.041	ng/ul#	48
11) Acenaphthene	14.647	153	1580	0.042	ng/ul#	82
12) Fluorene	15.633	166	1029	0.025	ng/ul#	71
15) Phenanthrene	17.380	178	17921	0.290	ng/ul	98
16) Anthracene	17.472	178	4576	0.083	ng/ul#	88
19) Fluoranthene	19.394	202	53160	0.783	ng/ul	99
20) Pyrene	19.762	202	51705	0.735	ng/ul	98
21) Benzo(a)anthracene	21.507	228	28275	0.435	ng/ul#	90
22) Chrysene	21.562	228	33819	0.516	ng/ul#	89
24) Benzo(b)fluoranthene	23.228	252	60255m	0.836	ng/ul	
25) Benzo(k)fluoranthene	23.275	252	18360m	0.256	ng/ul	
26) Benzo(a)pyrene	23.883	252	27883	0.453	ng/ul#	70
27) Indeno(1,2,3-cd)pyrene	26.590	276	30526	0.410	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.600	278	8133	0.134	ng/ul#	7
29) Benzo(g,h,i)perylene	27.398	276	33957	0.558	ng/ul#	88

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

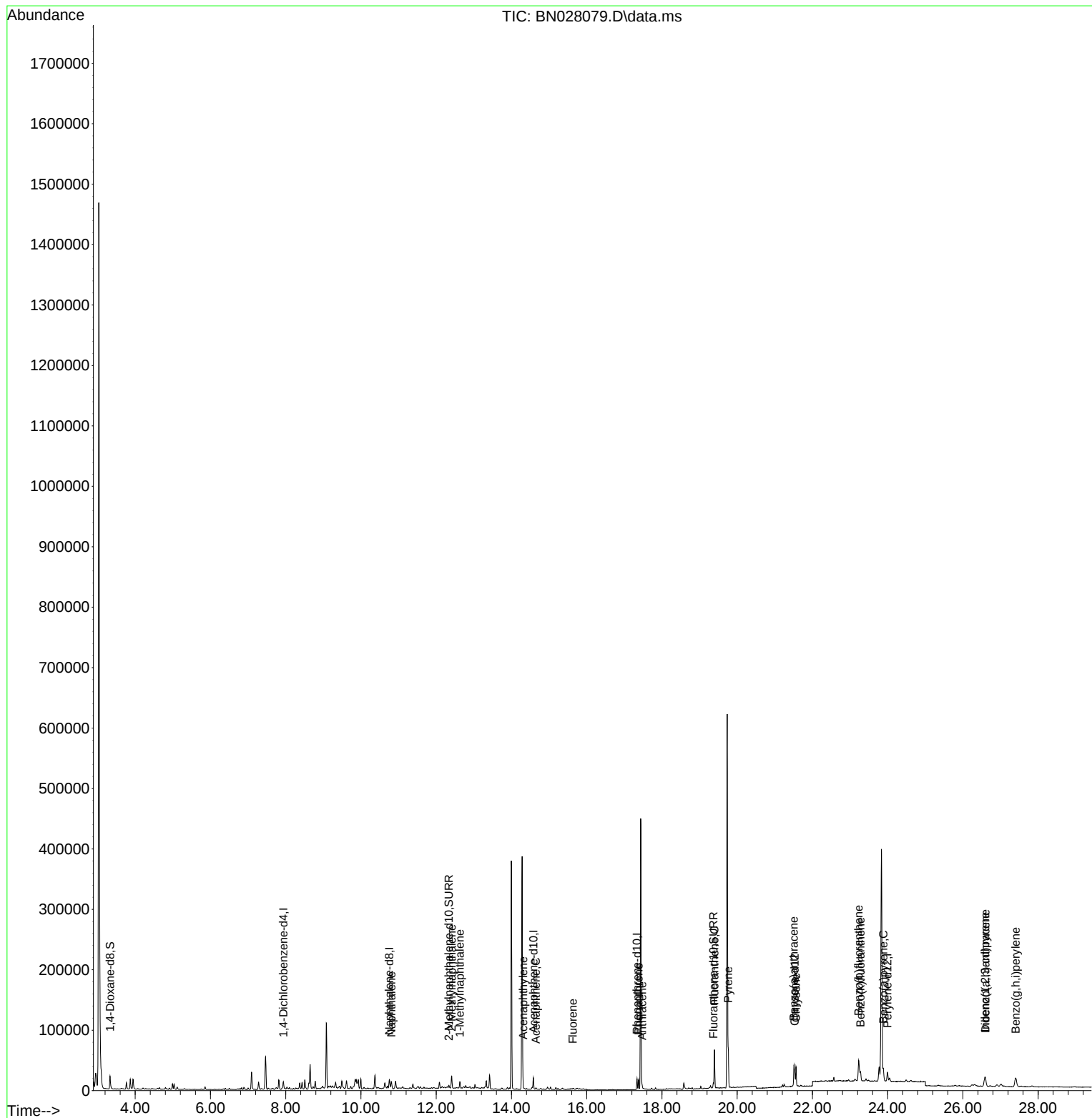
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100523\
Data File : BN028079.D
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Sample : 04527-01
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ALS Vial : 4 Sample Multiplier: 1

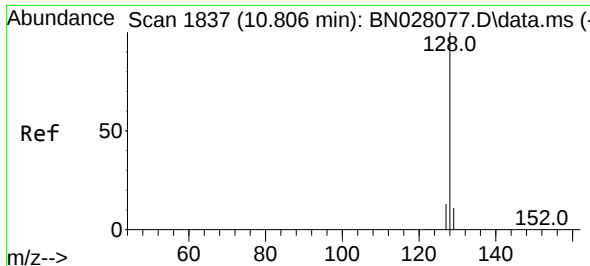
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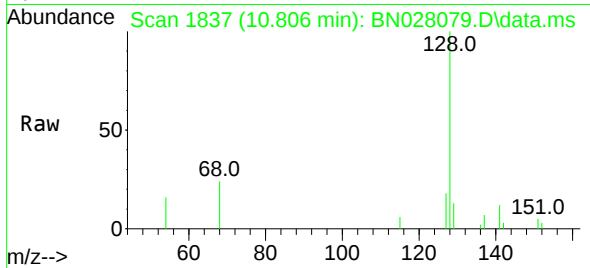
Quant Time: Oct 07 00:30:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN100323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 06 05:15:40 2023
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#5
Naphthalene
Concen: 0.235 ng/ul
RT: 10.806 min Scan# 1837
Delta R.T. -0.000 min
Lab File: BN028079.D
Acq: 06 Oct 2023 11:34

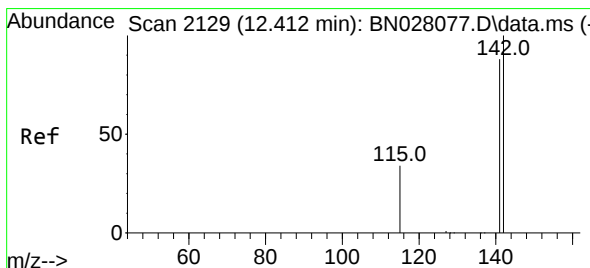
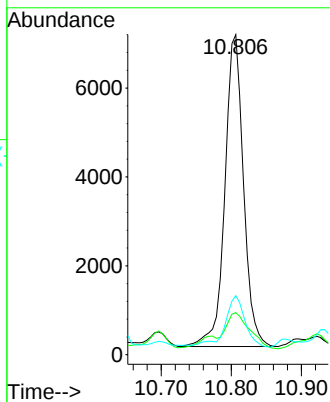
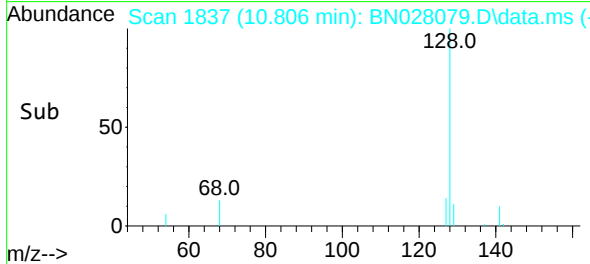
Instrument :
BNA_N
ClientSampleId :
EZYG8



Tgt Ion:128 Resp: 1295
Ion Ratio Lower Upper
128 100
129 13.1 9.4 14.0
127 18.4 11.0 16.4

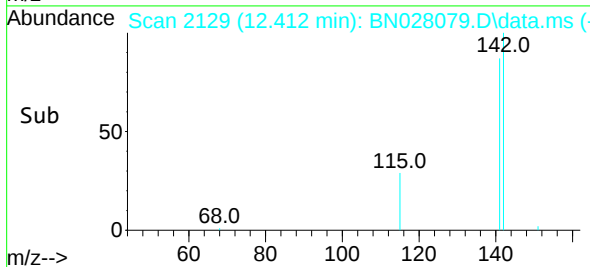
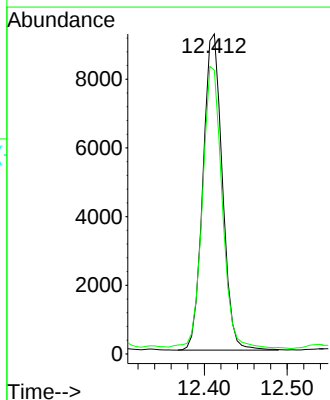
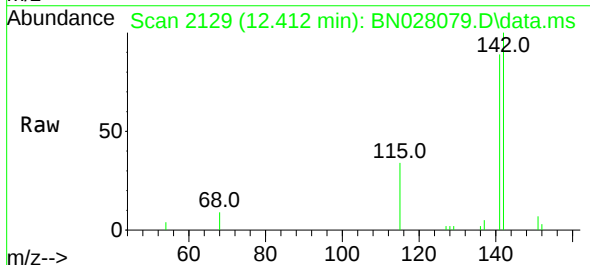
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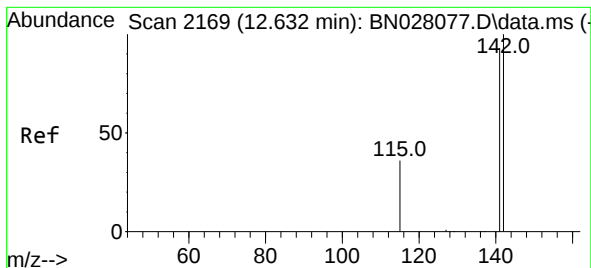
Reviewed By :Yogesh Patel 10/08/2023
Supervised By :mohammad ahmed 10/08/2023



#7
2-Methylnaphthalene
Concen: 0.430 ng/ul
RT: 12.412 min Scan# 2129
Delta R.T. -0.000 min
Lab File: BN028079.D
Acq: 06 Oct 2023 11:34

Tgt Ion:142 Resp: 14975
Ion Ratio Lower Upper
142 100
141 89.8 70.9 106.3





#8

1-Methylnaphthalene

Concen: 0.192 ng/ul

RT: 12.627 min Scan# 2168

Delta R.T. -0.000 min

Lab File: BN028079.D

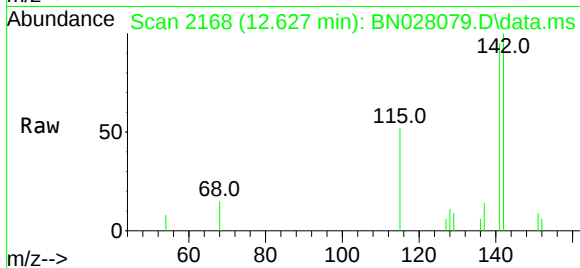
Acq: 06 Oct 2023 11:34

Instrument :

BNA_N

ClientSampleId :

EZY8



Tgt Ion:142 Resp: 6910

Ion Ratio Lower Upper

142 100

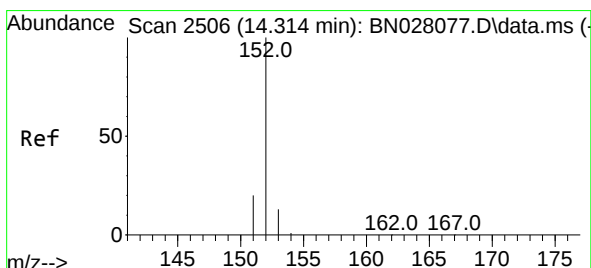
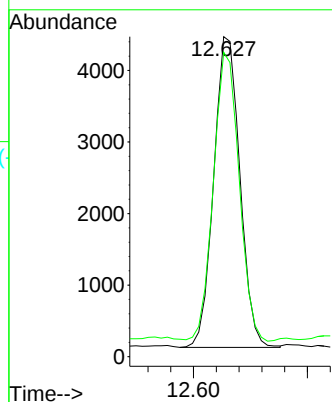
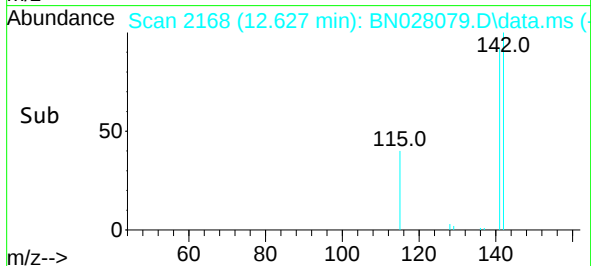
141 91.5 74.4 111.6

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#10

Acenaphthylene

Concen: 0.041 ng/ul

RT: 14.310 min Scan# 2505

Delta R.T. -0.000 min

Lab File: BN028079.D

Acq: 06 Oct 2023 11:34

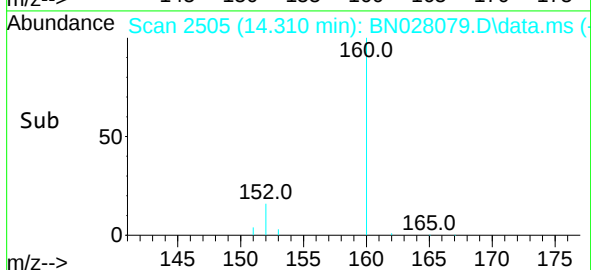
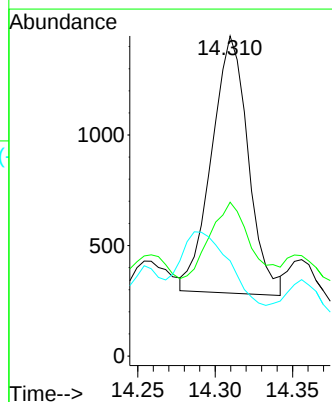
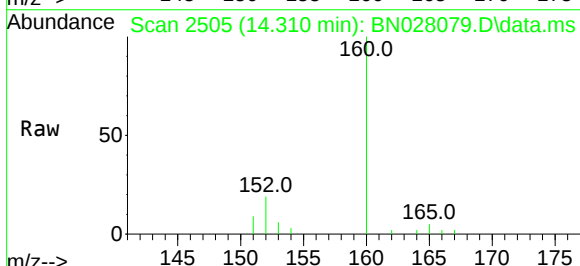
Tgt Ion:152 Resp: 1915

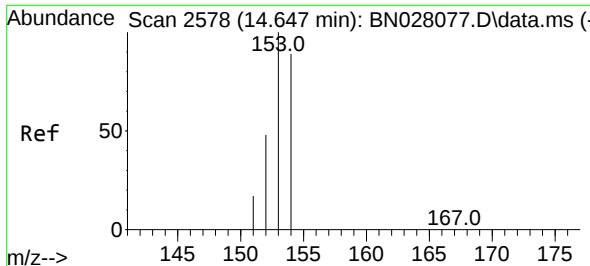
Ion Ratio Lower Upper

152 100

151 48.1 16.4 24.6#

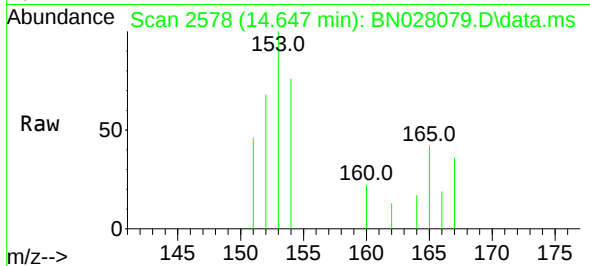
153 29.8 10.9 16.3#





#11
Acenaphthene
Concen: 0.042 ng/uI
RT: 14.647 min Scan# 2578
Delta R.T. 0.005 min
Lab File: BN028079.D
Acq: 06 Oct 2023 11:34

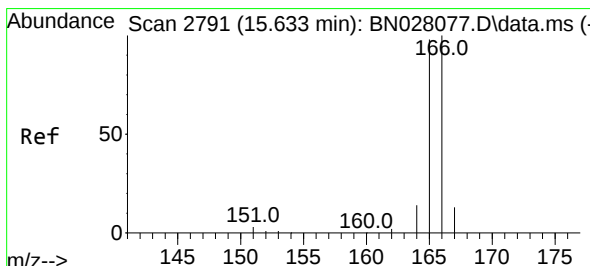
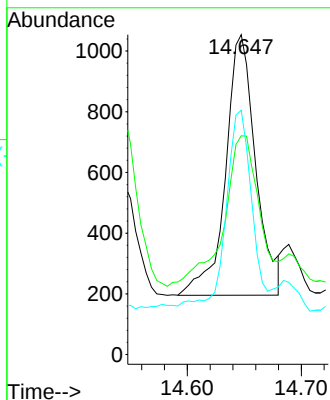
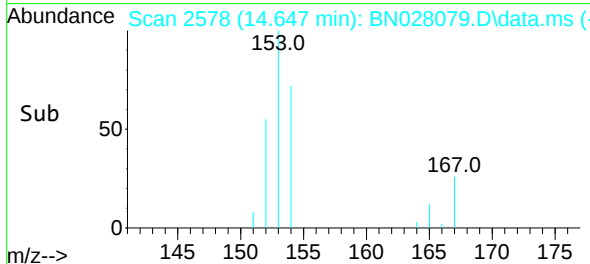
Instrument :
BNA_N
ClientSampleId :
EZYG8



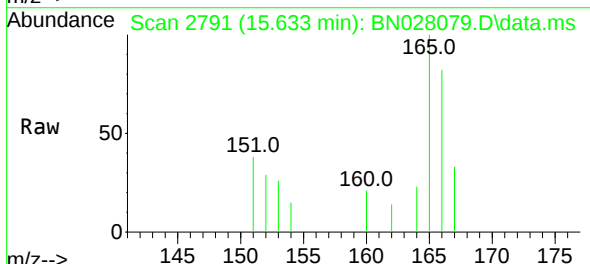
Tgt Ion:153 Resp: 1580
Ion Ratio Lower Upper
153 100
152 68.4 39.4 59.0#
154 76.4 70.2 105.4#

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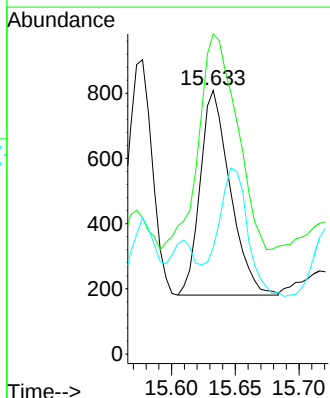
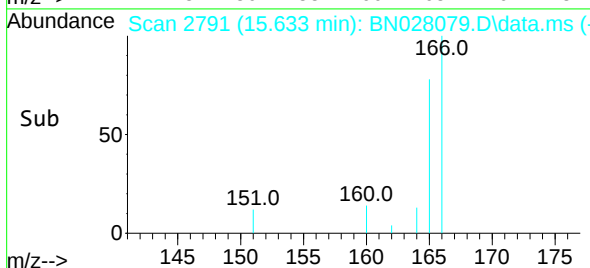
Reviewed By :Yogesh Patel 10/08/2023
Supervised By :mohammad ahmed 10/08/2023

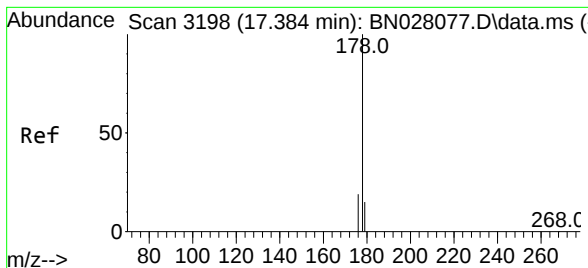


#12
Fluorene
Concen: 0.025 ng/uI
RT: 15.633 min Scan# 2791
Delta R.T. -0.000 min
Lab File: BN028079.D
Acq: 06 Oct 2023 11:34



Tgt Ion:166 Resp: 1029
Ion Ratio Lower Upper
166 100
165 121.4 78.5 117.7#
167 40.4 11.2 16.8#





#15

Phenanthrene

Concen: 0.290 ng/u1

RT: 17.380 min Scan# 3198

Delta R.T. 0.004 min

Lab File: BN028079.D

Acq: 06 Oct 2023 11:34

Instrument :

BNA_N

ClientSampleId :

EZYG8

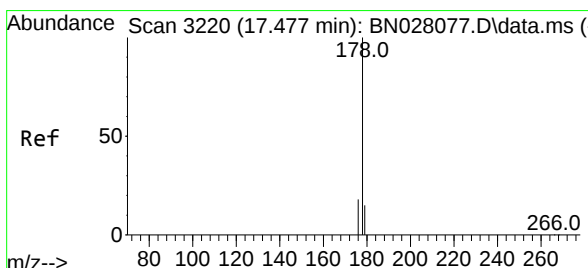
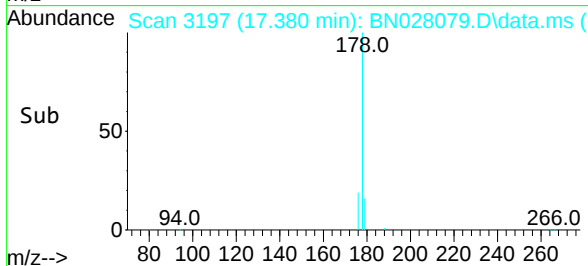
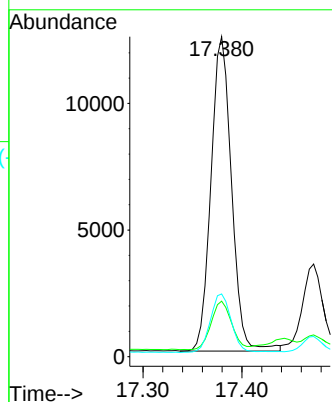
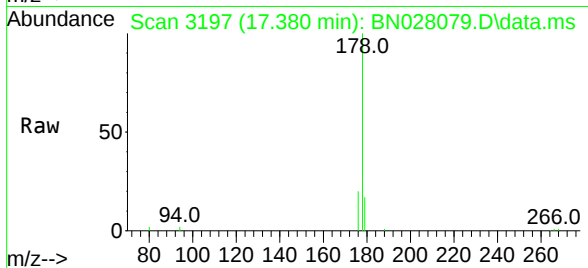
Tgt Ion:178	Resp:	1792
Ion Ratio	Lower	Upper
178	100	
179	17.4	12.6 19.0
176	19.6	15.5 23.3

Manual Integrations

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#16

Anthracene

Concen: 0.083 ng/u1

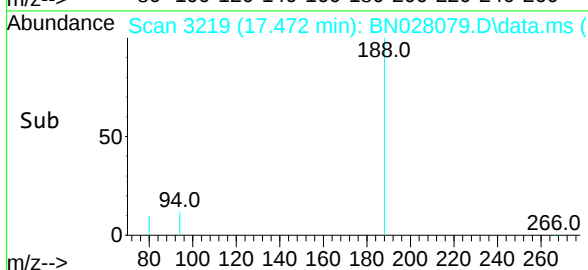
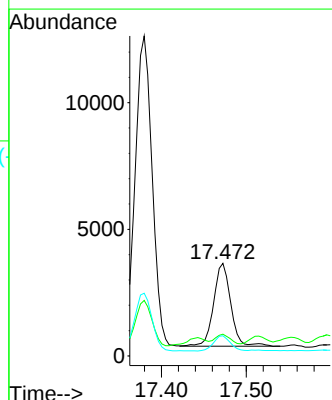
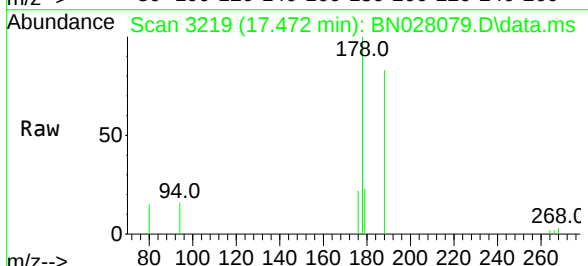
RT: 17.472 min Scan# 3219

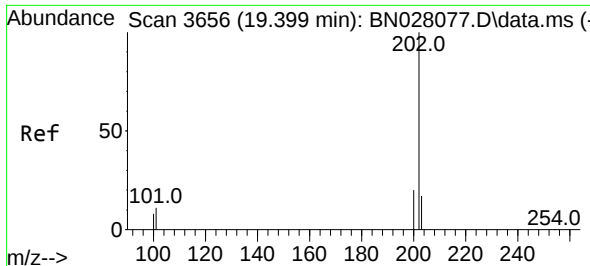
Delta R.T. 0.004 min

Lab File: BN028079.D

Acq: 06 Oct 2023 11:34

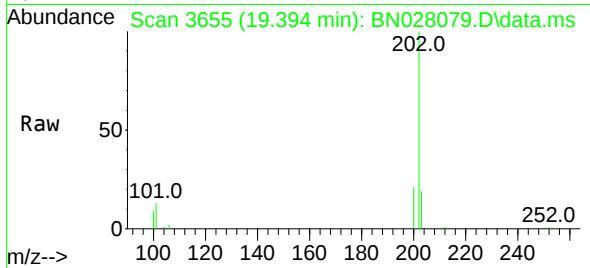
Tgt Ion:178	Resp:	4576
Ion Ratio	Lower	Upper
178	100	
179	23.5	12.8 19.2
176	21.9	15.0 22.6





#19
Fluoranthene
Concen: 0.783 ng/u1
RT: 19.394 min Scan# 3655
Delta R.T. 0.005 min
Lab File: BN028079.D
Acq: 06 Oct 2023 11:34

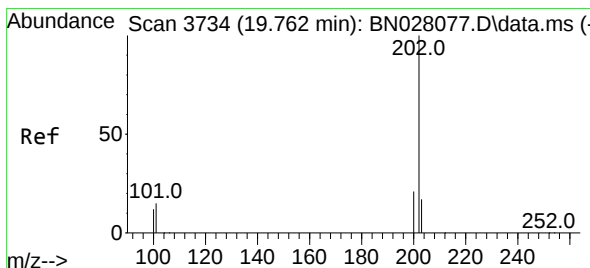
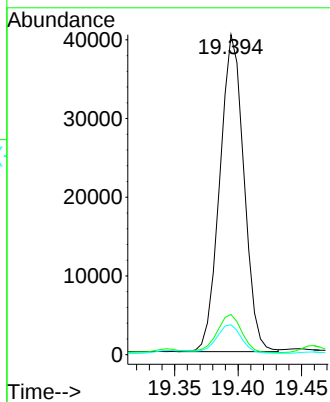
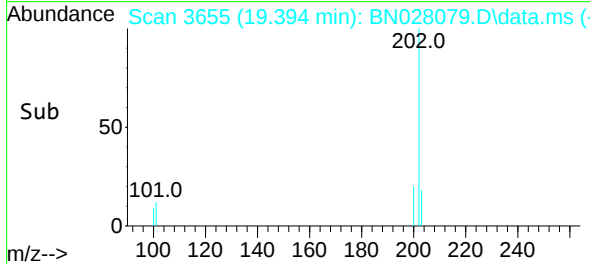
Instrument :
BNA_N
ClientSampleId :
EZYG8



Tgt Ion:202 Resp: 53160
Ion Ratio Lower Upper
202 100
101 12.5 9.6 14.4
100 9.4 7.4 11.0

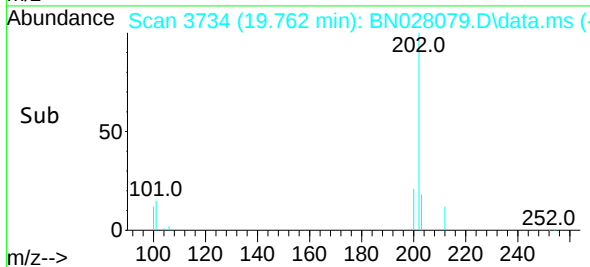
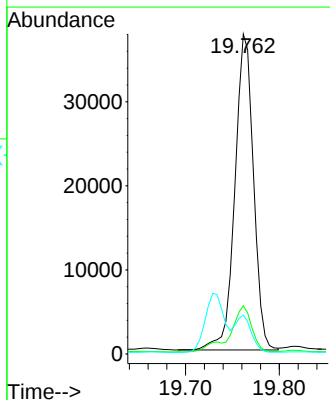
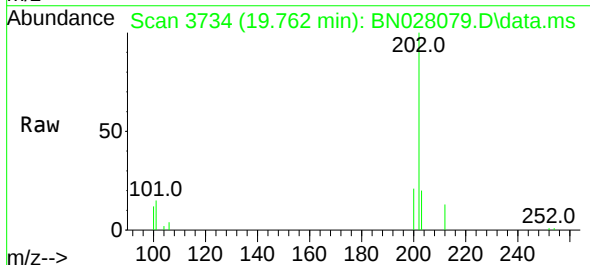
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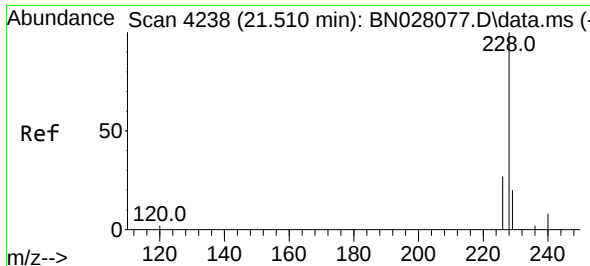
Reviewed By :Yogesh Patel 10/08/2023
Supervised By :mohammad ahmed 10/08/2023



#20
Pyrene
Concen: 0.735 ng/u1
RT: 19.762 min Scan# 3734
Delta R.T. 0.005 min
Lab File: BN028079.D
Acq: 06 Oct 2023 11:34

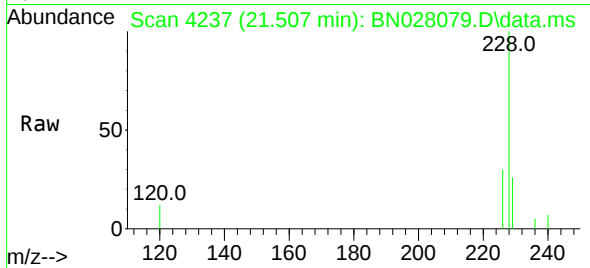
Tgt Ion:202 Resp: 51705
Ion Ratio Lower Upper
202 100
101 15.0 11.2 16.8
100 12.2 9.1 13.7





#21
Benzo(a)anthracene
Concen: 0.435 ng/u1
RT: 21.507 min Scan# 4238
Delta R.T. 0.006 min
Lab File: BN028079.D
Acq: 06 Oct 2023 11:34

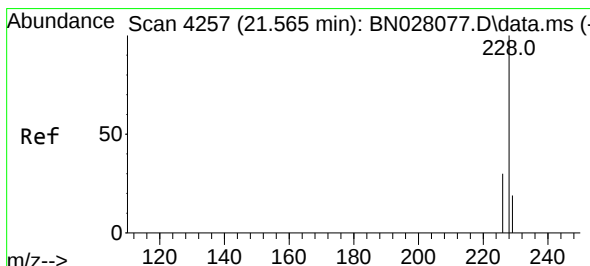
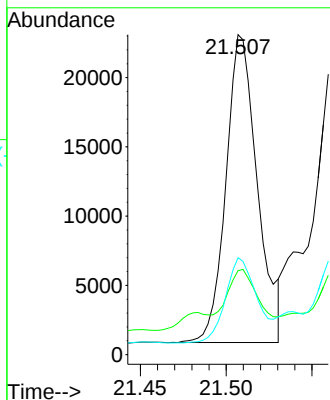
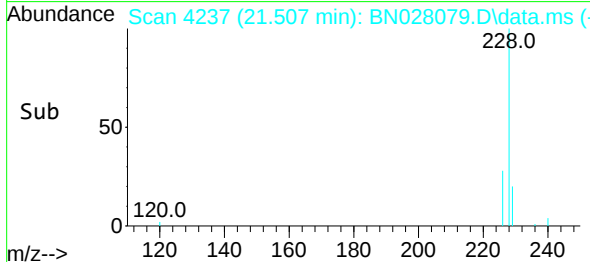
Instrument :
BNA_N
ClientSampleId :
EZYG8



Tgt Ion:228 Resp: 28275
Ion Ratio Lower Upper
228 100
229 26.2 16.0 24.0
226 30.3 21.5 32.3

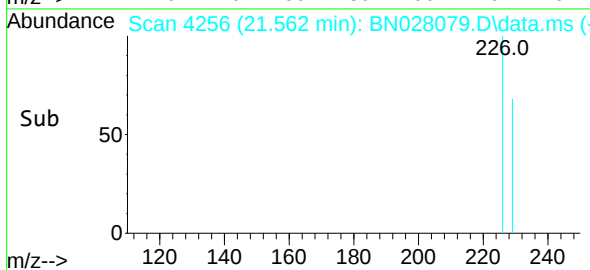
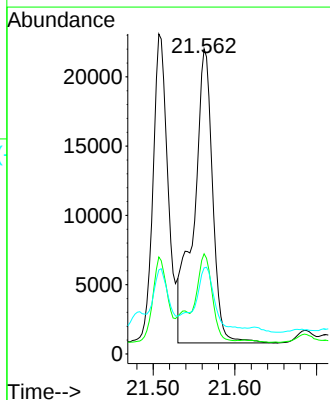
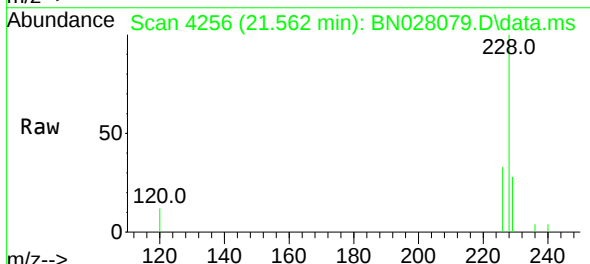
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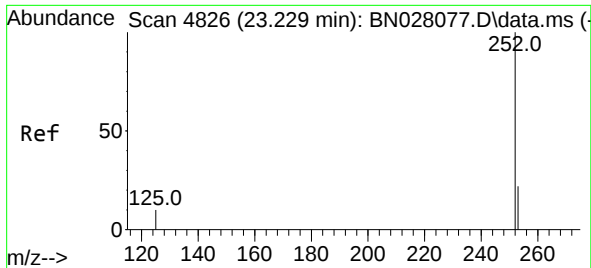
Reviewed By :Yogesh Patel 10/08/2023
Supervised By :mohammad ahmed 10/08/2023



#22
Chrysene
Concen: 0.516 ng/u1
RT: 21.562 min Scan# 4256
Delta R.T. 0.006 min
Lab File: BN028079.D
Acq: 06 Oct 2023 11:34

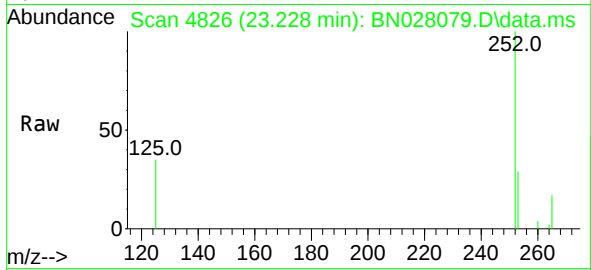
Tgt Ion:228 Resp: 33819
Ion Ratio Lower Upper
228 100
226 32.8 23.8 35.8
229 28.2 16.0 24.0





#24
Benzo(b)fluoranthene
Concen: 0.836 ng/ul m
RT: 23.228 min Scan# 4826
Delta R.T. 0.012 min
Lab File: BN028079.D
Acq: 06 Oct 2023 11:34

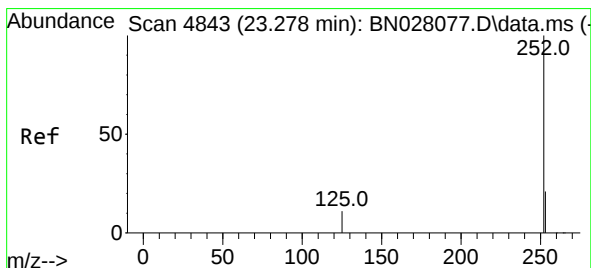
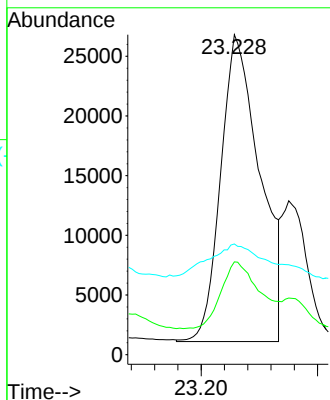
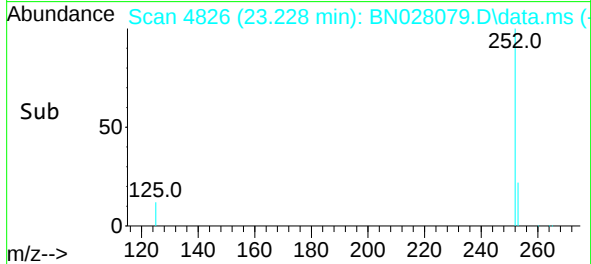
Instrument :
BNA_N
ClientSampleId :
EZYG8



Tgt Ion:252 Resp: 6025
Ion Ratio Lower Upper
252 100
253 29.0 0.0 54.0
125 34.6 0.0 31.4

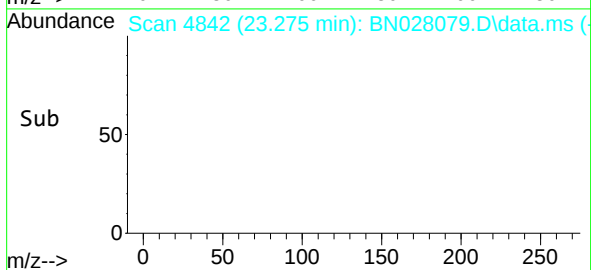
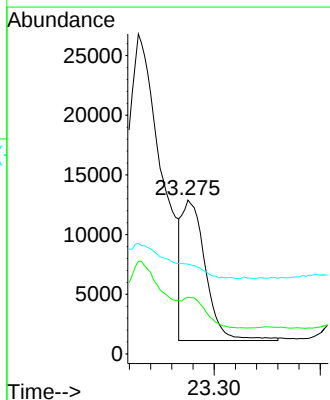
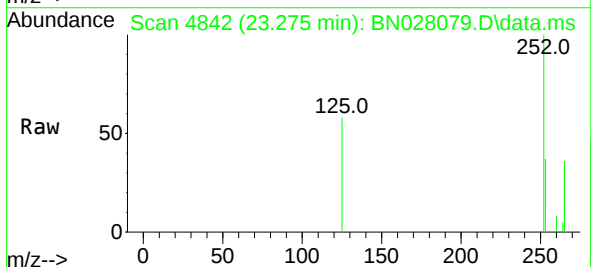
Manual Integrations
APPROVED

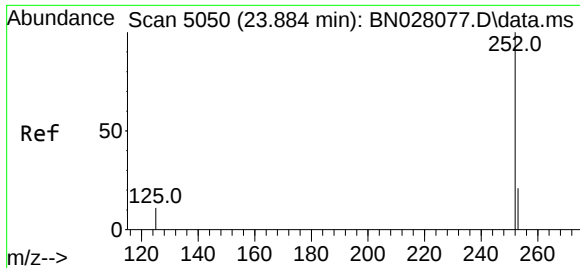
Reviewed By :Yogesh Patel 10/08/2023
Supervised By :mohammad ahmed 10/08/2023



#25
Benzo(k)fluoranthene
Concen: 0.256 ng/ul m
RT: 23.275 min Scan# 4842
Delta R.T. 0.009 min
Lab File: BN028079.D
Acq: 06 Oct 2023 11:34

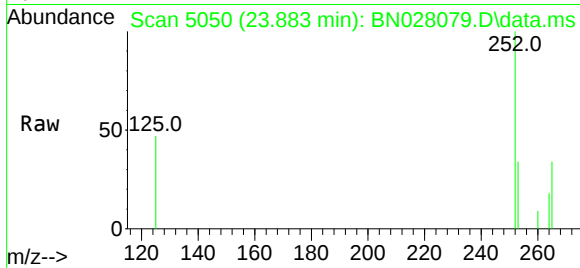
Tgt Ion:252 Resp: 18360
Ion Ratio Lower Upper
252 100
253 36.8 21.8 32.8#
125 58.4 12.8 19.2#





#26
Benzo(a)pyrene
Concen: 0.453 ng/u1
RT: 23.883 min Scan# 5050
Delta R.T. 0.015 min
Lab File: BN028079.D
Acq: 06 Oct 2023 11:34

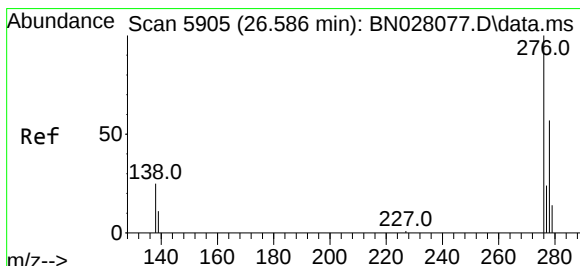
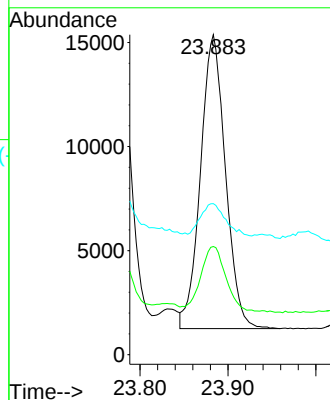
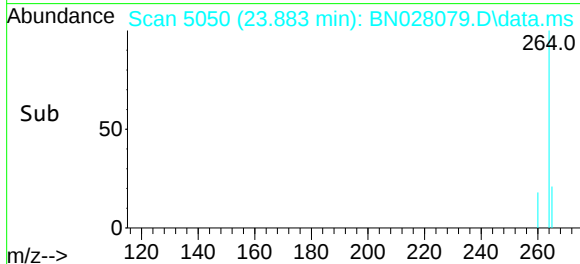
Instrument :
BNA_N
ClientSampleId :
EZYG8



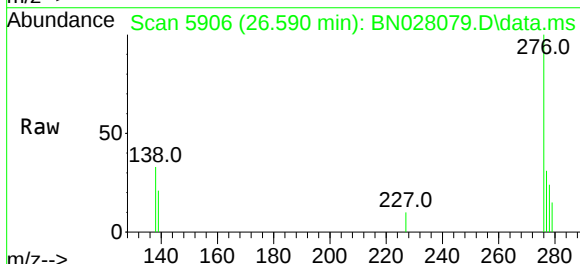
Tgt Ion:252 Resp: 2788
Ion Ratio Lower Upper
252 100
253 33.8 23.4 35.2
125 47.2 15.3 22.9

Manual Integrations
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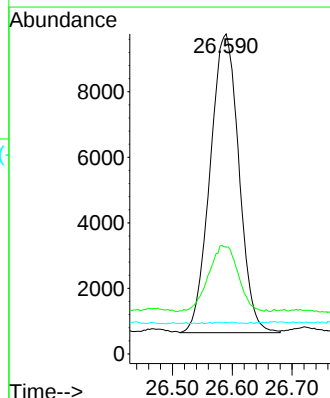
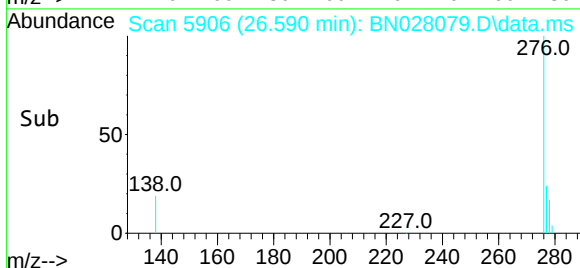
Reviewed By :Yogesh Patel 10/08/2023
Supervised By :mohammad ahmed 10/08/2023

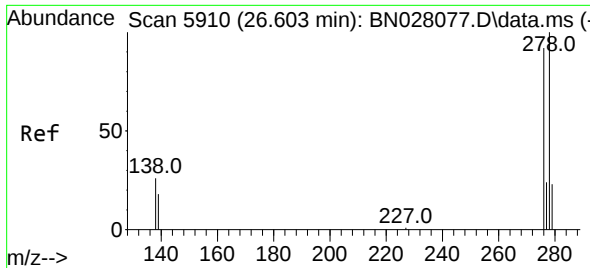


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.410 ng/u1
RT: 26.590 min Scan# 5906
Delta R.T. 0.024 min
Lab File: BN028079.D
Acq: 06 Oct 2023 11:34



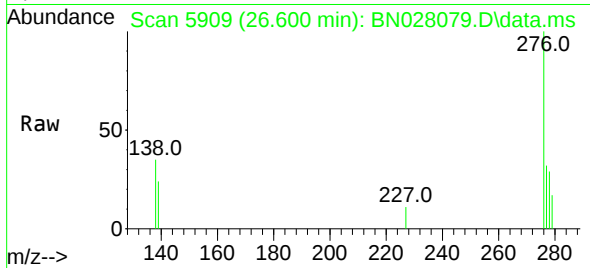
Tgt Ion:276 Resp: 30526
Ion Ratio Lower Upper
276 100
138 22.7 21.6 32.4
227 0.2 0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.134 ng/ul
RT: 26.600 min Scan# 5910
Delta R.T. 0.017 min
Lab File: BN028079.D
Acq: 06 Oct 2023 11:34

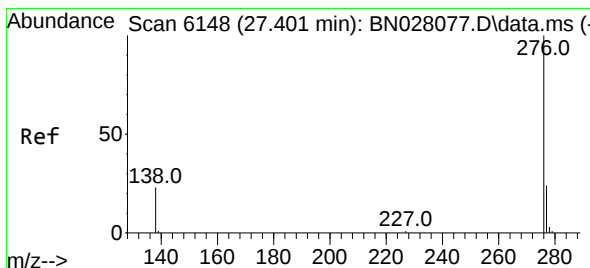
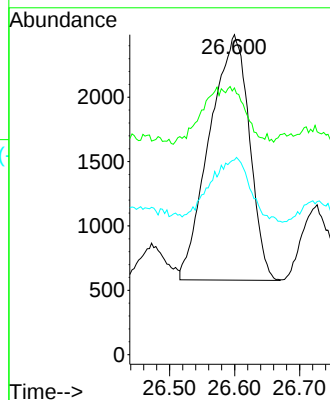
Instrument :
BNA_N
ClientSampleId :
EZYG8



Tgt Ion:278 Resp: 813
Ion Ratio Lower Upper
278 100
139 83.3 15.9 23.9
279 60.9 22.8 34.2

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Reviewed By :Yogesh Patel 10/08/2023
Supervised By :mohammad ahmed 10/08/2023



#29
Benzo(g,h,i)perylene
Concen: 0.558 ng/ul
RT: 27.398 min Scan# 6147
Delta R.T. 0.020 min
Lab File: BN028079.D
Acq: 06 Oct 2023 11:34

Tgt Ion:276 Resp: 33957
Ion Ratio Lower Upper
276 100
138 33.0 19.8 29.6
277 29.8 20.6 31.0

