

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
 Data File : BN027029.D
 Acq On : 22 Aug 2023 16:32
 Operator : MA/JU
 Sample : 03967-14DL 5X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48M2DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/23/2023
 Supervised By :mohammad ahmed 08/24/2023

Quant Time: Aug 23 01:43:14 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN080323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 18 13:11:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.097	152	9320	0.400	ng/ul	0.00
4) Naphthalene-d8	10.922	136	30253	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.726	164	17760	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.472	188	38933	0.400	ng/ul	0.00
17) Chrysene-d12	21.641	240	30130	0.400	ng/ul	0.00
23) Perylene-d12	24.184	264	25808	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	9552	0.863	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.495	152	2135	0.048	ng/ul	0.00
18) Fluoranthene-d10	19.487	212	4855	0.051	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.977	128	2945	0.034	ng/ul#	89
7) 2-Methylnaphthalene	12.572	142	2094	0.040	ng/ul	98
8) 1-Methylnaphthalene	12.786	142	2096	0.039	ng/ul	99
10) Acenaphthylene	14.453	152	20022	0.201	ng/ul	100
11) Acenaphthene	14.786	153	3739	0.054	ng/ul	99
12) Fluorene	15.767	166	8437	0.108	ng/ul	99
15) Phenanthrene	17.510	178	152440	1.192	ng/ul	100
16) Anthracene	17.603	178	28439	0.246	ng/ul	99
19) Fluoranthene	19.515	202	277840	2.220	ng/ul	98
20) Pyrene	19.882	202	243163m	1.821	ng/ul	
21) Benzo(a)anthracene	21.624	228	104527	0.872	ng/ul	99
22) Chrysene	21.679	228	110594	0.935	ng/ul	98
24) Benzo(b)fluoranthene	23.395	252	134140m	1.374	ng/ul	
25) Benzo(k)fluoranthene	23.442	252	45299m	0.470	ng/ul	
26) Benzo(a)pyrene	24.067	252	80656	0.916	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.867	276	52255	0.453	ng/ul#	93
28) Dibenzo(a,h)anthracene	26.884	278	11521	0.125	ng/ul#	76
29) Benzo(g,h,i)perylene	27.706	276	50486	0.526	ng/ul	99

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

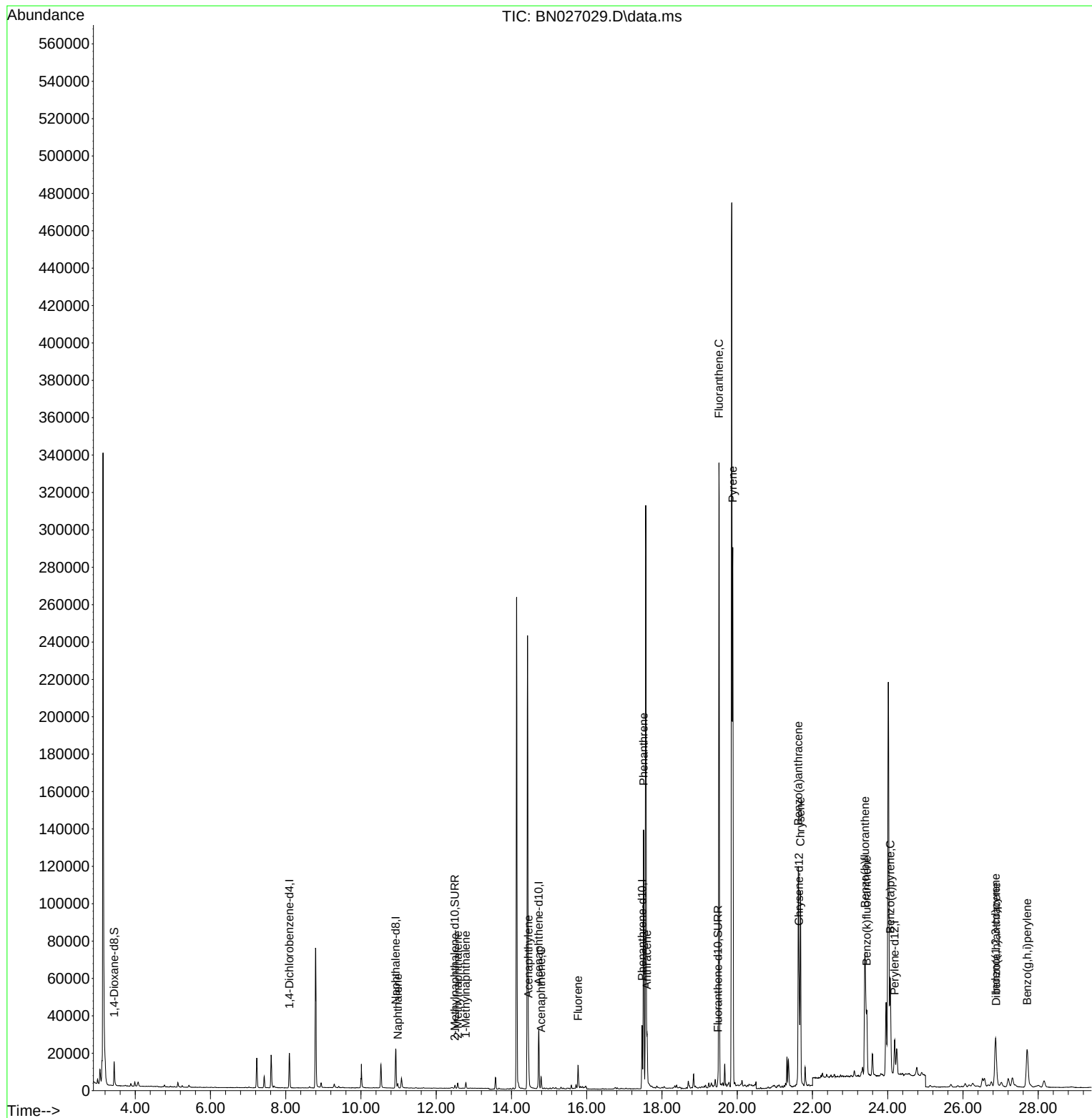
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
Data File : BN027029.D
Acq On : 22 Aug 2023 16:32
Operator : MA/JU
Sample : 03967-14DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

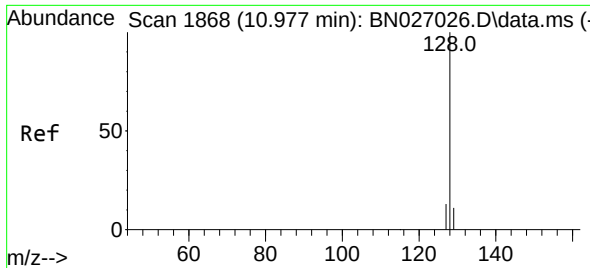
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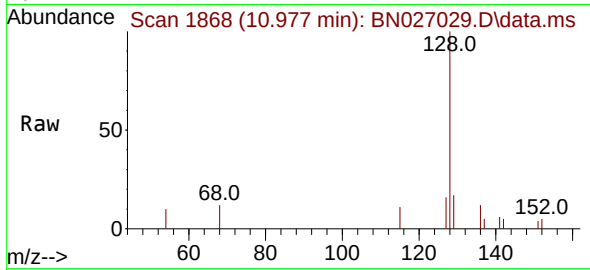
Quant Time: Aug 23 01:43:14 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN080323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 18 13:11:26 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.034 ng/ul
RT: 10.977 min Scan# 1868
Delta R.T. -0.005 min
Lab File: BN027029.D
Acq: 22 Aug 2023 16:32

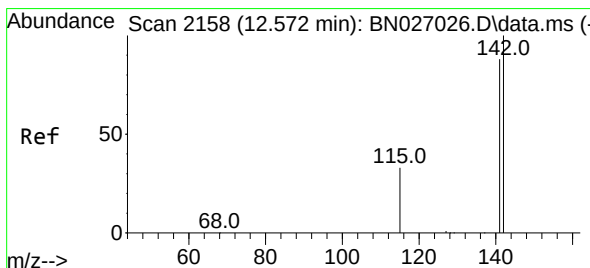
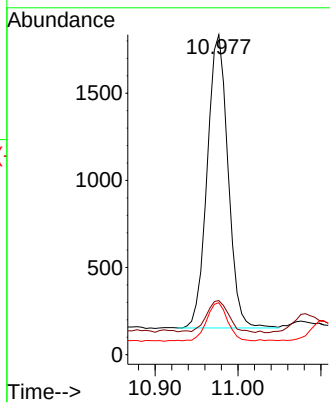
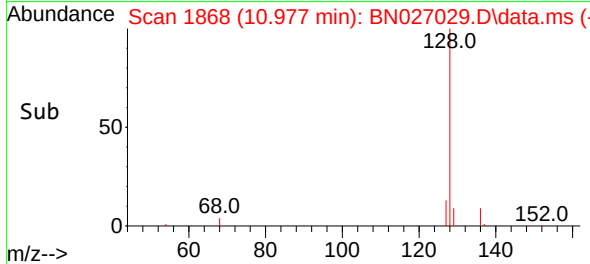
Instrument :
BNA_N
ClientSampleId :
A48M2DL



Tgt Ion:128 Resp: 2945
Ion Ratio Lower Upper
128 100
129 16.9 9.2 13.8
127 16.2 10.5 15.7

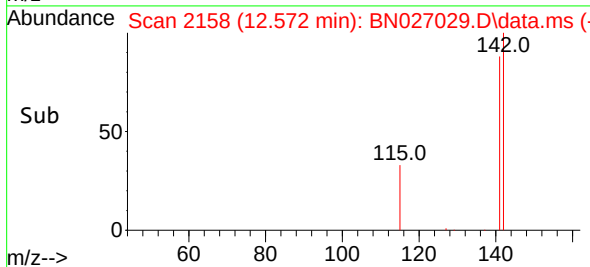
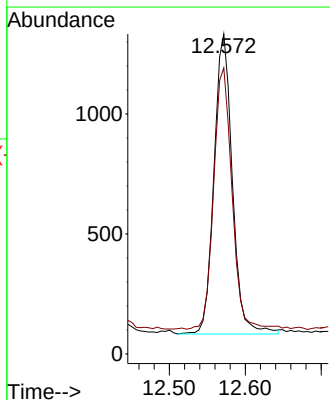
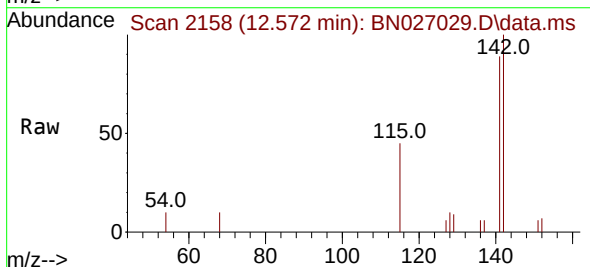
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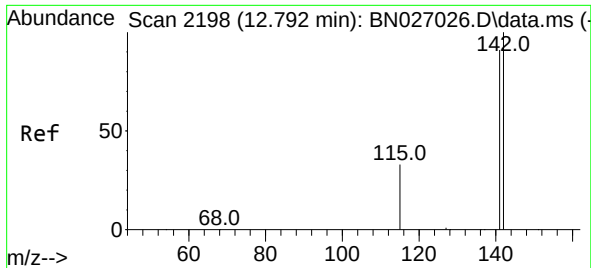
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023



#7
2-Methylnaphthalene
Concen: 0.040 ng/ul
RT: 12.572 min Scan# 2158
Delta R.T. -0.005 min
Lab File: BN027029.D
Acq: 22 Aug 2023 16:32

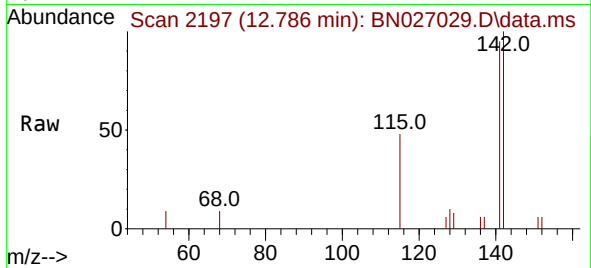
Tgt Ion:142 Resp: 2094
Ion Ratio Lower Upper
142 100
141 86.4 70.9 106.3





#8
1-Methylnaphthalene
Concen: 0.039 ng/ul
RT: 12.786 min Scan# 2197
Delta R.T. -0.005 min
Lab File: BN027029.D
Acq: 22 Aug 2023 16:32

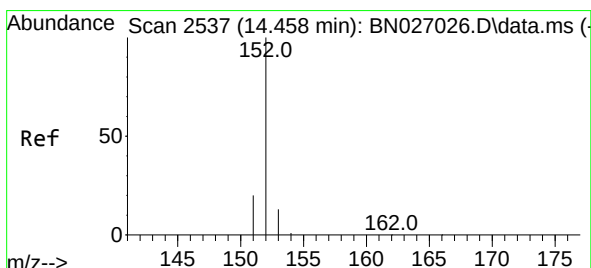
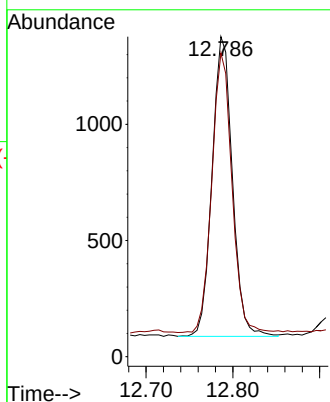
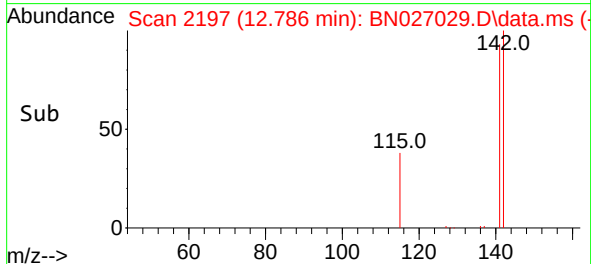
Instrument :
BNA_N
ClientSampleId :
A48M2DL



Tgt Ion:142 Resp: 2090
Ion Ratio Lower Upper
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141 92.5 73.2 109.8

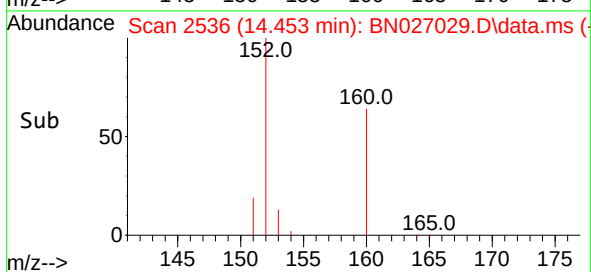
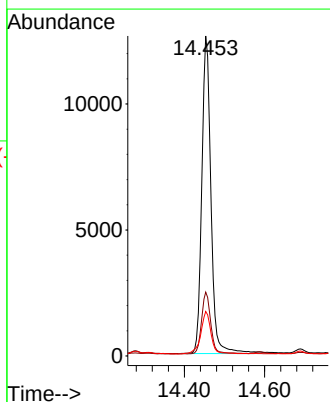
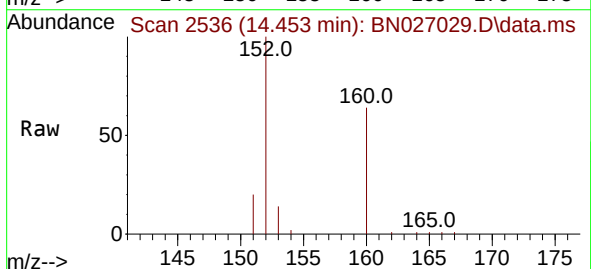
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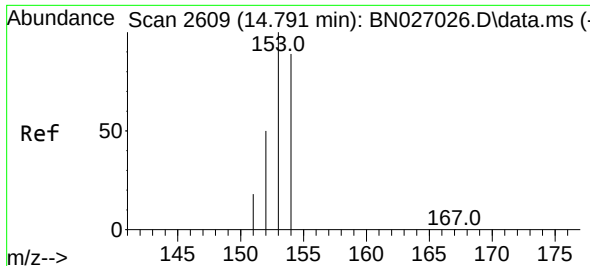
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023



#10
Acenaphthylene
Concen: 0.201 ng/ul
RT: 14.453 min Scan# 2536
Delta R.T. -0.005 min
Lab File: BN027029.D
Acq: 22 Aug 2023 16:32

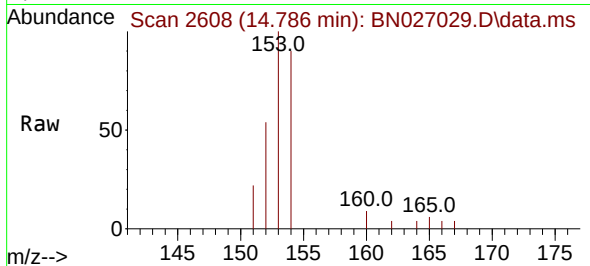
Tgt Ion:152 Resp: 20022
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 13.9 11.0 16.6





#11
Acenaphthene
Concen: 0.054 ng/u1
RT: 14.786 min Scan# 2608
Delta R.T. -0.005 min
Lab File: BN027029.D
Acq: 22 Aug 2023 16:32

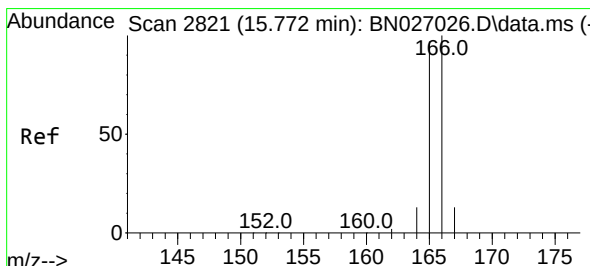
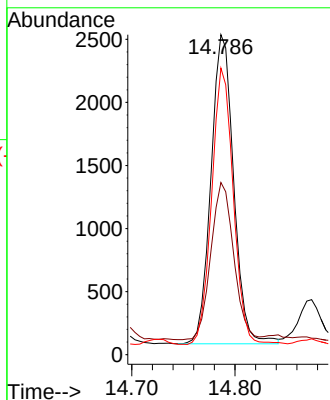
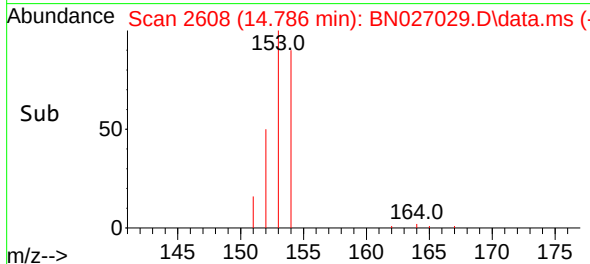
Instrument :
BNA_N
ClientSampleId :
A48M2DL



Tgt Ion:153 Resp: 3739
Ion Ratio Lower Upper
153 100
152 53.8 41.1 61.7
154 89.6 71.6 107.4

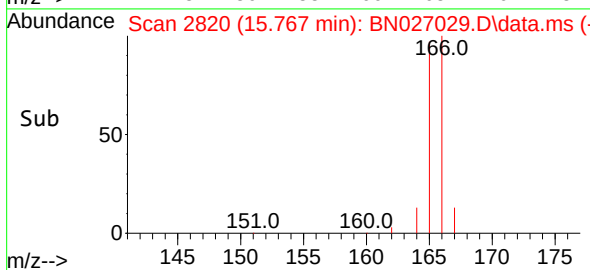
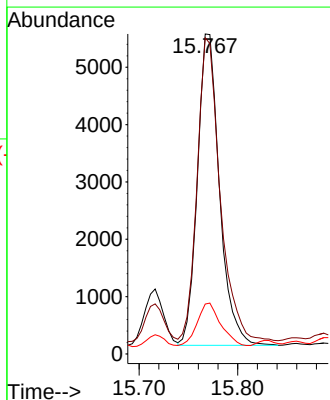
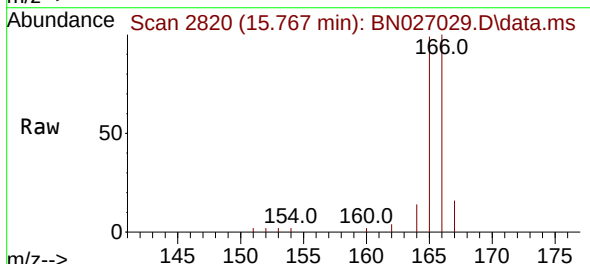
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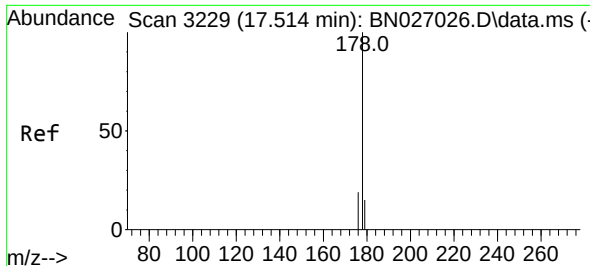
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023



#12
Fluorene
Concen: 0.108 ng/u1
RT: 15.767 min Scan# 2820
Delta R.T. -0.005 min
Lab File: BN027029.D
Acq: 22 Aug 2023 16:32

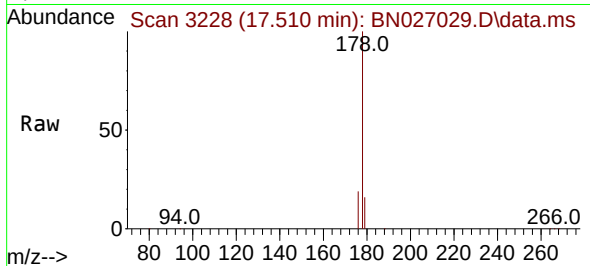
Tgt Ion:166 Resp: 8437
Ion Ratio Lower Upper
166 100
165 98.8 79.1 118.7
167 15.6 11.4 17.0





#15
Phenanthrene
Concen: 1.192 ng/u1
RT: 17.510 min Scan# 31
Delta R.T. -0.009 min
Lab File: BN027029.D
Acq: 22 Aug 2023 16:32

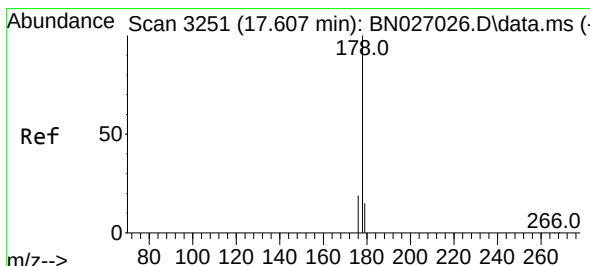
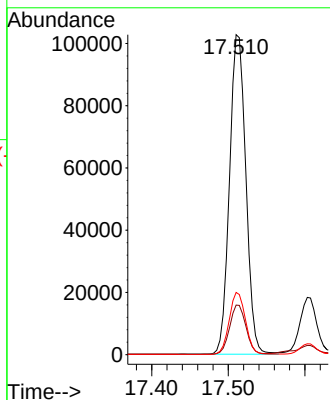
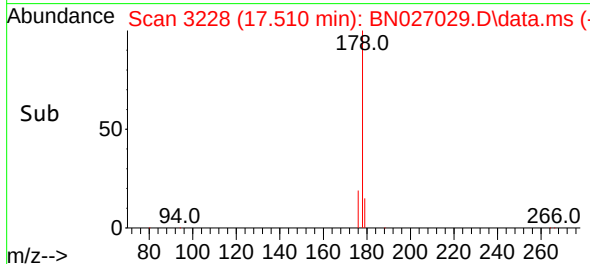
Instrument :
BNA_N
ClientSampleId :
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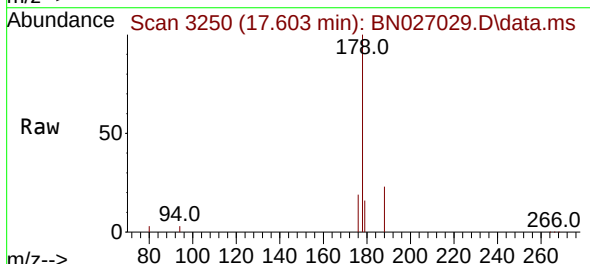
Tgt Ion:178 Resp: 152440
Ion Ratio Lower Upper
178 100
179 15.5 12.6 18.8
176 19.5 15.4 23.2

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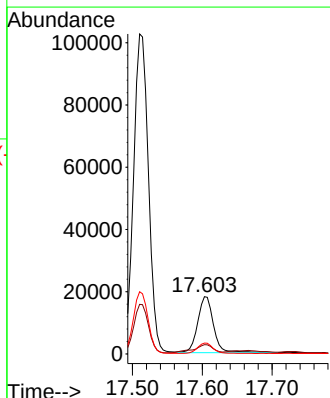
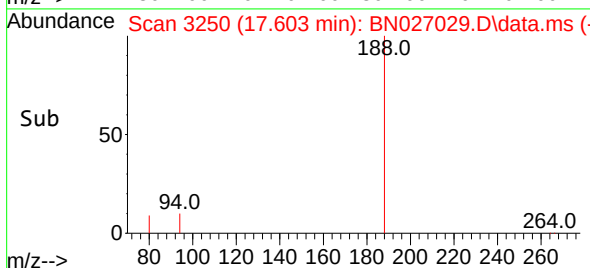
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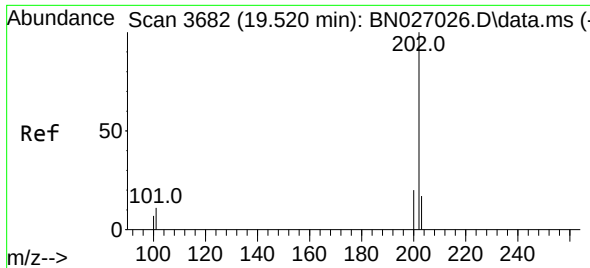


#16
Anthracene
Concen: 0.246 ng/u1
RT: 17.603 min Scan# 3250
Delta R.T. -0.005 min
Lab File: BN027029.D
Acq: 22 Aug 2023 16:32



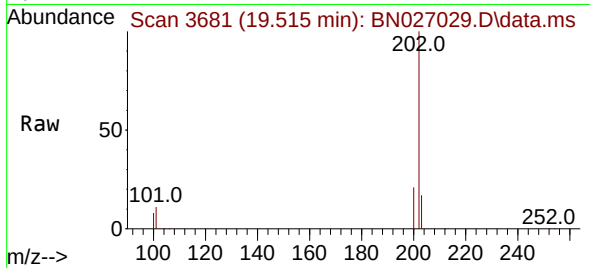
Tgt Ion:178 Resp: 28439
Ion Ratio Lower Upper
178 100
179 16.3 12.6 19.0
176 19.1 15.0 22.6





#19
Fluoranthene
Concen: 2.220 ng/ul
RT: 19.515 min Scan# 3681
Delta R.T. -0.010 min
Lab File: BN027029.D
Acq: 22 Aug 2023 16:32

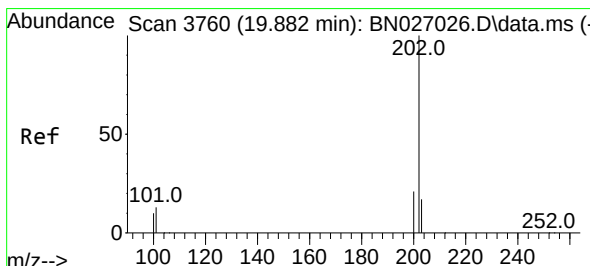
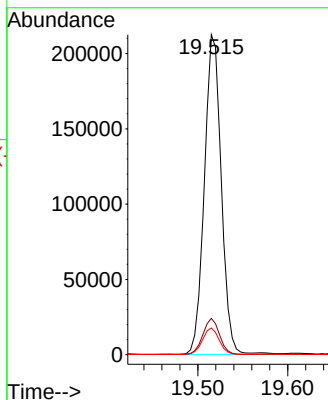
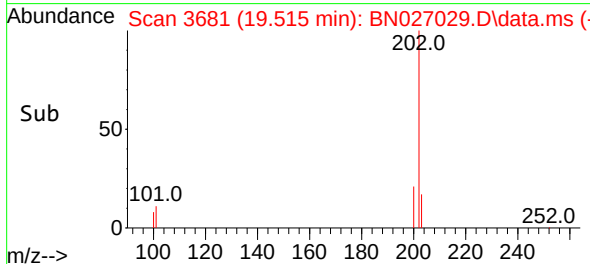
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A48M2DL



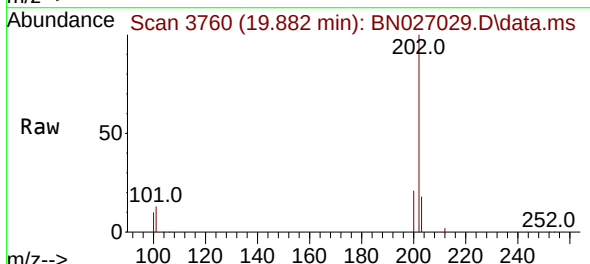
Tgt Ion:202 Resp: 277840
Ion Ratio Lower Upper
202 100
101 11.3 8.3 12.5
100 8.4 6.2 9.2

Manual Integrations
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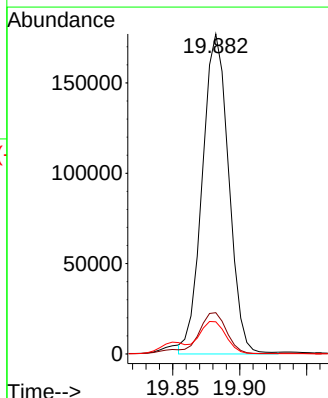
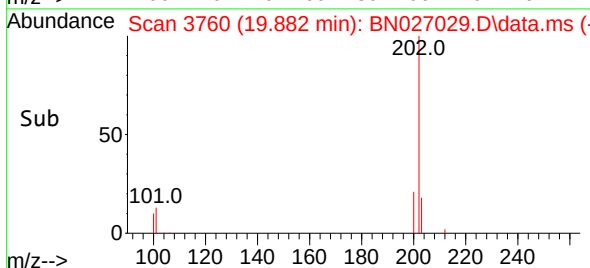
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Supervised By :mohammad ahmed 08/24/2023

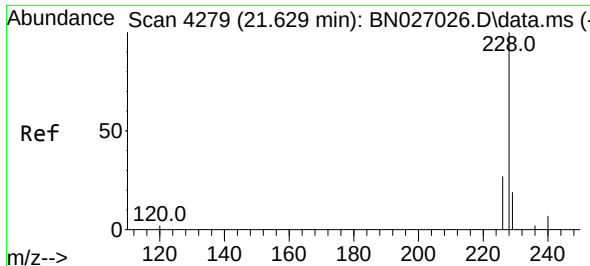


#20
Pyrene
Concen: 1.821 ng/ul m
RT: 19.882 min Scan# 3760
Delta R.T. -0.005 min
Lab File: BN027029.D
Acq: 22 Aug 2023 16:32



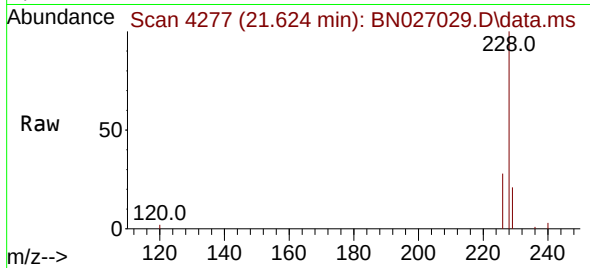
Tgt Ion:202 Resp: 243163
Ion Ratio Lower Upper
202 100
101 12.9 10.7 16.1
100 10.0 8.5 12.7





#21
Benzo(a)anthracene
Concen: 0.872 ng/ul
RT: 21.624 min Scan# 41
Delta R.T. -0.009 min
Lab File: BN027029.D
Acq: 22 Aug 2023 16:32

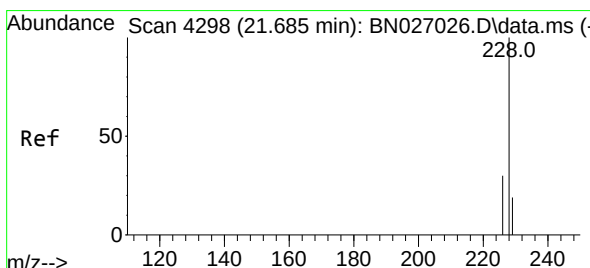
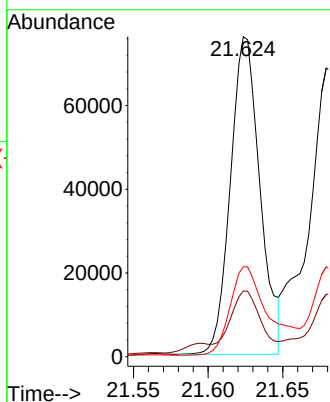
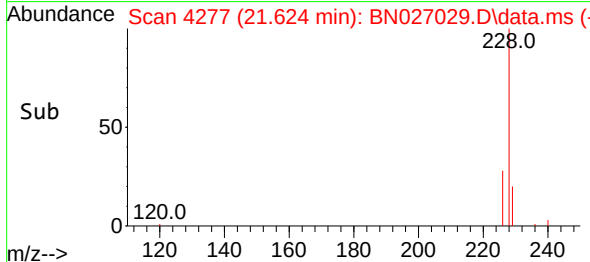
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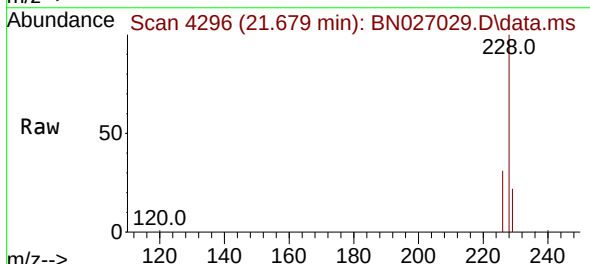
Tgt Ion:228 Resp: 10452
Ion Ratio Lower Upper
228 100
229 20.6 16.0 24.0
226 28.1 22.2 33.2

Manual Integrations
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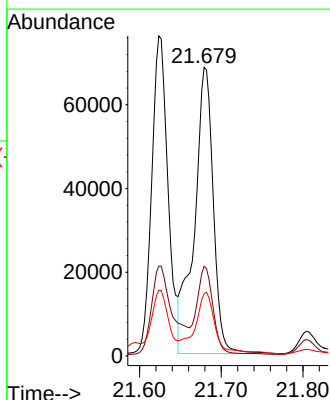
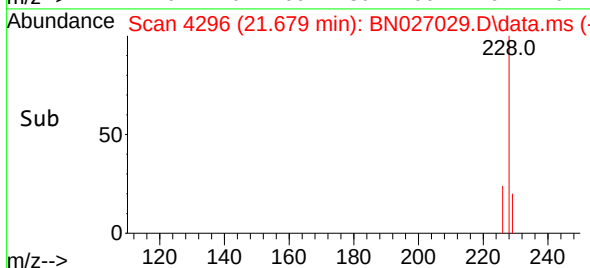
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023

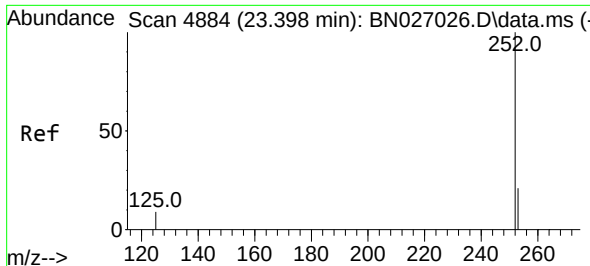


#22
Chrysene
Concen: 0.935 ng/ul
RT: 21.679 min Scan# 4296
Delta R.T. -0.012 min
Lab File: BN027029.D
Acq: 22 Aug 2023 16:32



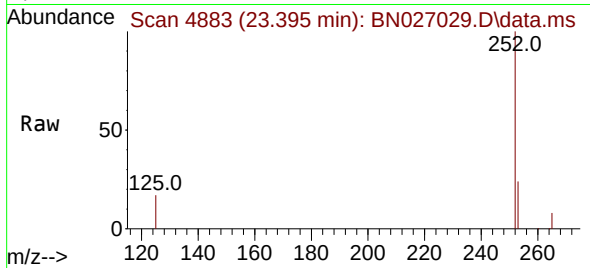
Tgt Ion:228 Resp: 110594
Ion Ratio Lower Upper
228 100
226 31.1 24.6 36.8
229 21.6 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 1.374 ng/ul m
RT: 23.395 min Scan# 4883
Delta R.T. -0.012 min
Lab File: BN027029.D
Acq: 22 Aug 2023 16:32

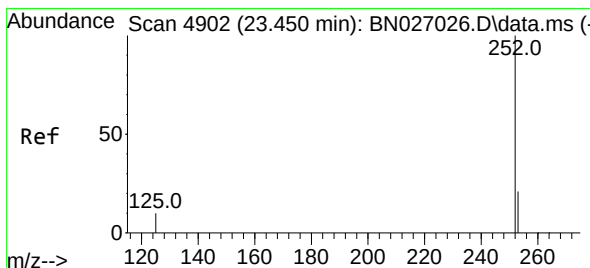
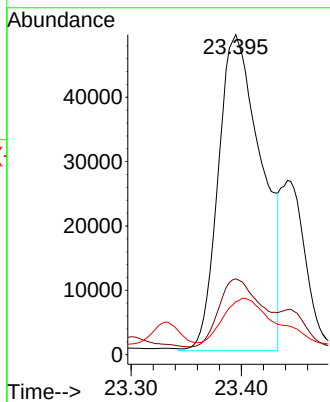
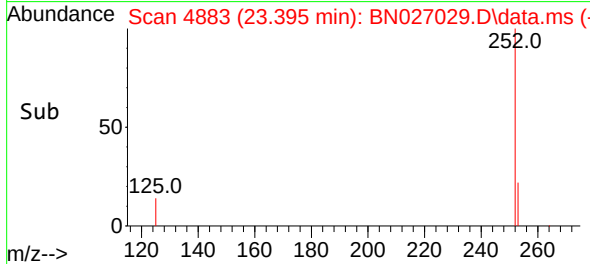
Instrument :
BNA_N
ClientSampleId :
A48M2DL



Tgt Ion:252 Resp: 134140
Ion Ratio Lower Upper
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125 16.5 0.0 25.2

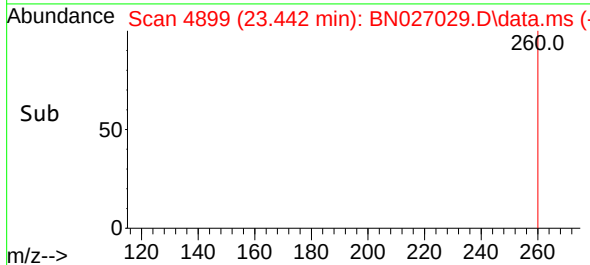
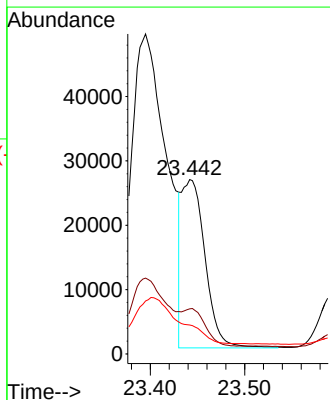
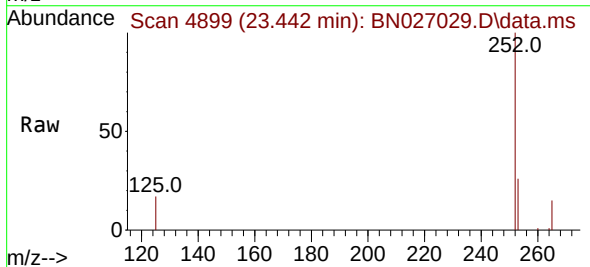
Manual Integrations
APPROVED

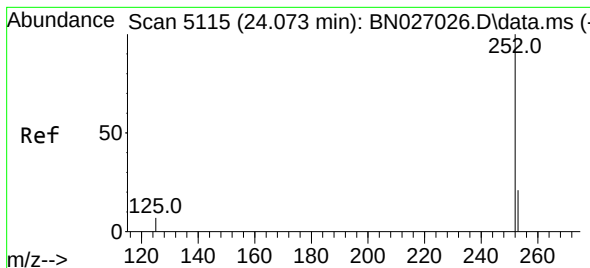
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023



#25
Benzo(k)fluoranthene
Concen: 0.470 ng/ul m
RT: 23.442 min Scan# 4899
Delta R.T. -0.018 min
Lab File: BN027029.D
Acq: 22 Aug 2023 16:32

Tgt Ion:252 Resp: 45299
Ion Ratio Lower Upper
252 100
253 25.9 18.2 27.4
125 16.6 9.9 14.9#





#26

Benzo(a)pyrene

Concen: 0.916 ng/ul

RT: 24.067 min Scan# 5115

Delta R.T. -0.018 min

Lab File: BN027029.D

Acq: 22 Aug 2023 16:32

Instrument :

BNA_N

ClientSampleId :

A48M2DL

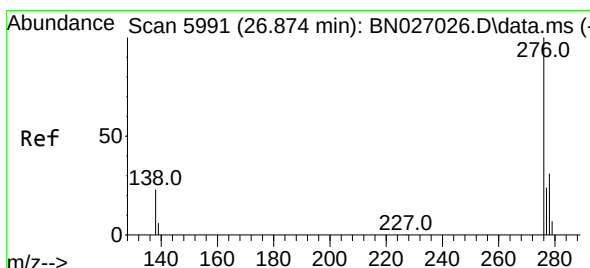
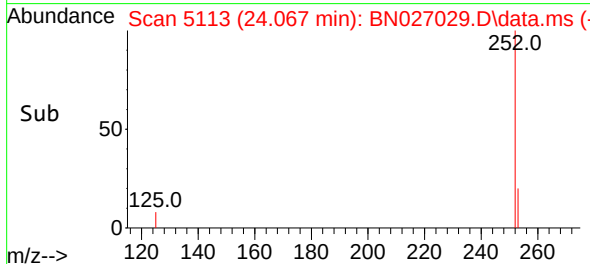
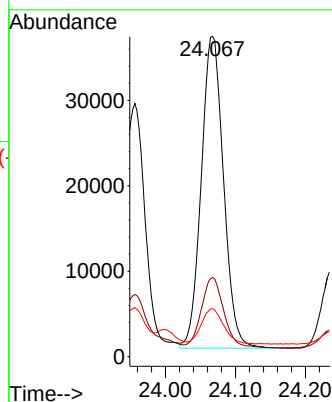
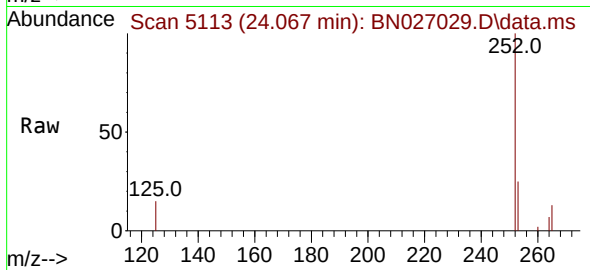
Tgt Ion:	252	Resp:	80650
Ion Ratio	Lower	Upper	
252	100		
253	24.8	19.0	28.6
125	15.0	11.4	17.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/23/2023

Supervised By :mohammad ahmed 08/24/2023



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.453 ng/ul

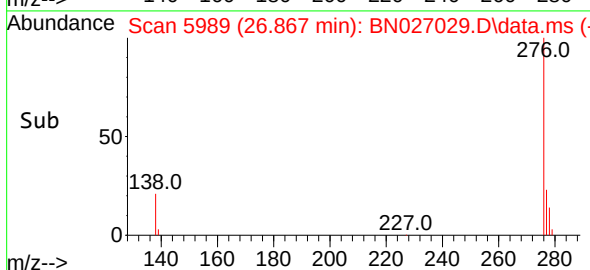
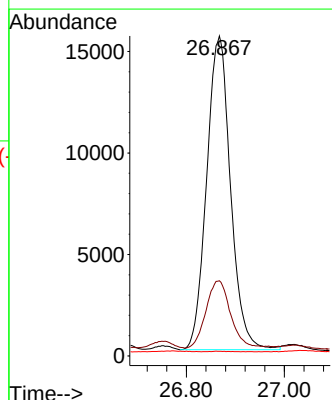
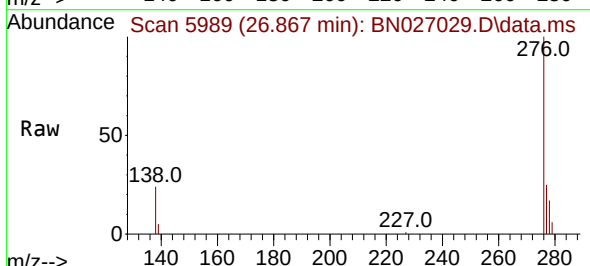
RT: 26.867 min Scan# 5989

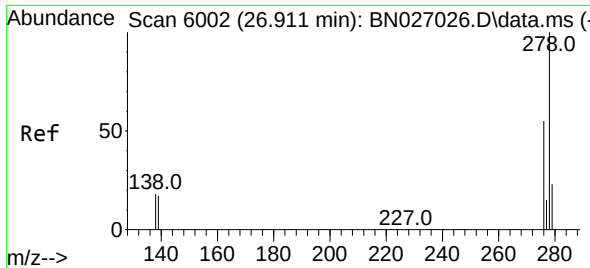
Delta R.T. -0.017 min

Lab File: BN027029.D

Acq: 22 Aug 2023 16:32

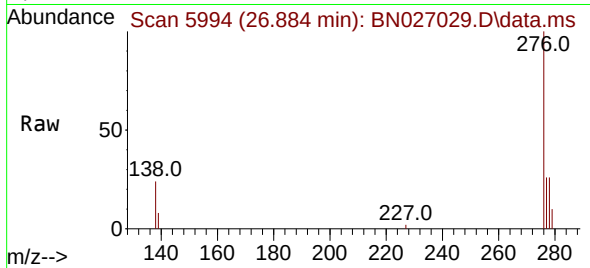
Tgt Ion:	276	Resp:	52255
Ion Ratio	Lower	Upper	
276	100		
138	23.1	21.6	32.4
227	0.1	0.0	0.0





#28
Dibenzo(a,h)anthracene
Concen: 0.125 ng/ul
RT: 26.884 min Scan# 5994
Delta R.T. -0.038 min
Lab File: BN027029.D
Acq: 22 Aug 2023 16:32

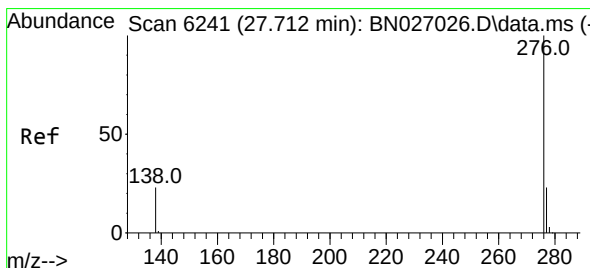
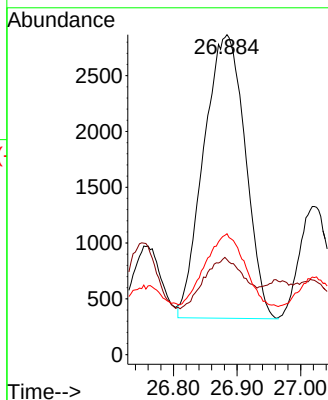
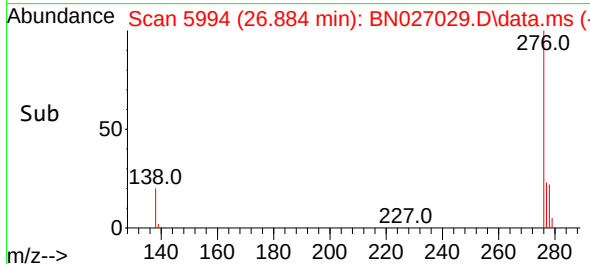
Instrument :
BNA_N
ClientSampleId :
A48M2DL



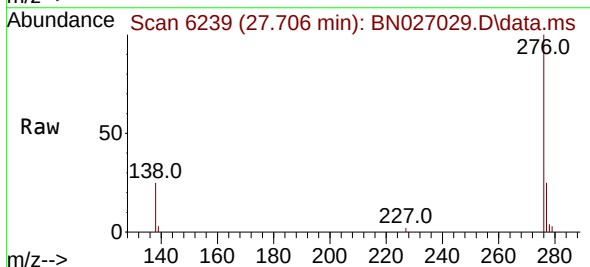
Tgt Ion: 278 Resp: 1152
Ion Ratio Lower Upper
278 100
139 29.7 15.7 23.5
279 37.8 20.2 30.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023



#29
Benzo(g,h,i)perylene
Concen: 0.526 ng/ul
RT: 27.706 min Scan# 6239
Delta R.T. -0.017 min
Lab File: BN027029.D
Acq: 22 Aug 2023 16:32



Tgt Ion: 276 Resp: 50486
Ion Ratio Lower Upper
276 100
138 24.8 19.3 28.9
277 25.0 19.8 29.8

