

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
 Data File : BN027034.D
 Acq On : 22 Aug 2023 19:36
 Operator : MA/JU
 Sample : 03968-01DL 5X
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48H4DL

Manual Integrations
 APPROVED

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

Quant Time: Aug 23 01:44:02 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	7130	0.400	ng/ul	0.00
4) Naphthalene-d8	10.922	136	23985	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.726	164	13997	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.472	188	30669	0.400	ng/ul	0.00
17) Chrysene-d12	21.638	240	24507	0.400	ng/ul	#-0.01
23) Perylene-d12	24.179	264	21410	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	8613	1.018	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.500	152	1946	0.055	ng/ul	0.00
18) Fluoranthene-d10	19.487	212	5009	0.065	ng/ul	0.00
Target Compounds					Qvalue	
5) Naphthalene	10.977	128	5119	0.076	ng/ul#	94
7) 2-Methylnaphthalene	12.572	142	2478	0.060	ng/ul	100
8) 1-Methylnaphthalene	12.786	142	2182	0.051	ng/ul	100
10) Acenaphthylene	14.453	152	7902	0.101	ng/ul	97
11) Acenaphthene	14.786	153	8077	0.149	ng/ul	99
12) Fluorene	15.772	166	11564	0.188	ng/ul	98
15) Phenanthrene	17.515	178	176364	1.750	ng/ul	100
16) Anthracene	17.603	178	34800	0.382	ng/ul	99
19) Fluoranthene	19.515	202	267091	2.624	ng/ul	98
20) Pyrene	19.882	202	235262m	2.166	ng/ul	
21) Benzo(a)anthracene	21.621	228	100680	1.033	ng/ul	99
22) Chrysene	21.679	228	107347	1.116	ng/ul	98
24) Benzo(b)fluoranthene	23.389	252	129560m	1.600	ng/ul	
25) Benzo(k)fluoranthene	23.442	252	43930m	0.550	ng/ul	
26) Benzo(a)pyrene	24.065	252	79636	1.090	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.861	276	51242	0.536	ng/ul#	90
28) Dibenzo(a,h)anthracene	26.884	278	11513	0.151	ng/ul#	72
29) Benzo(g,h,i)perylene	27.703	276	51011	0.641	ng/ul	98

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

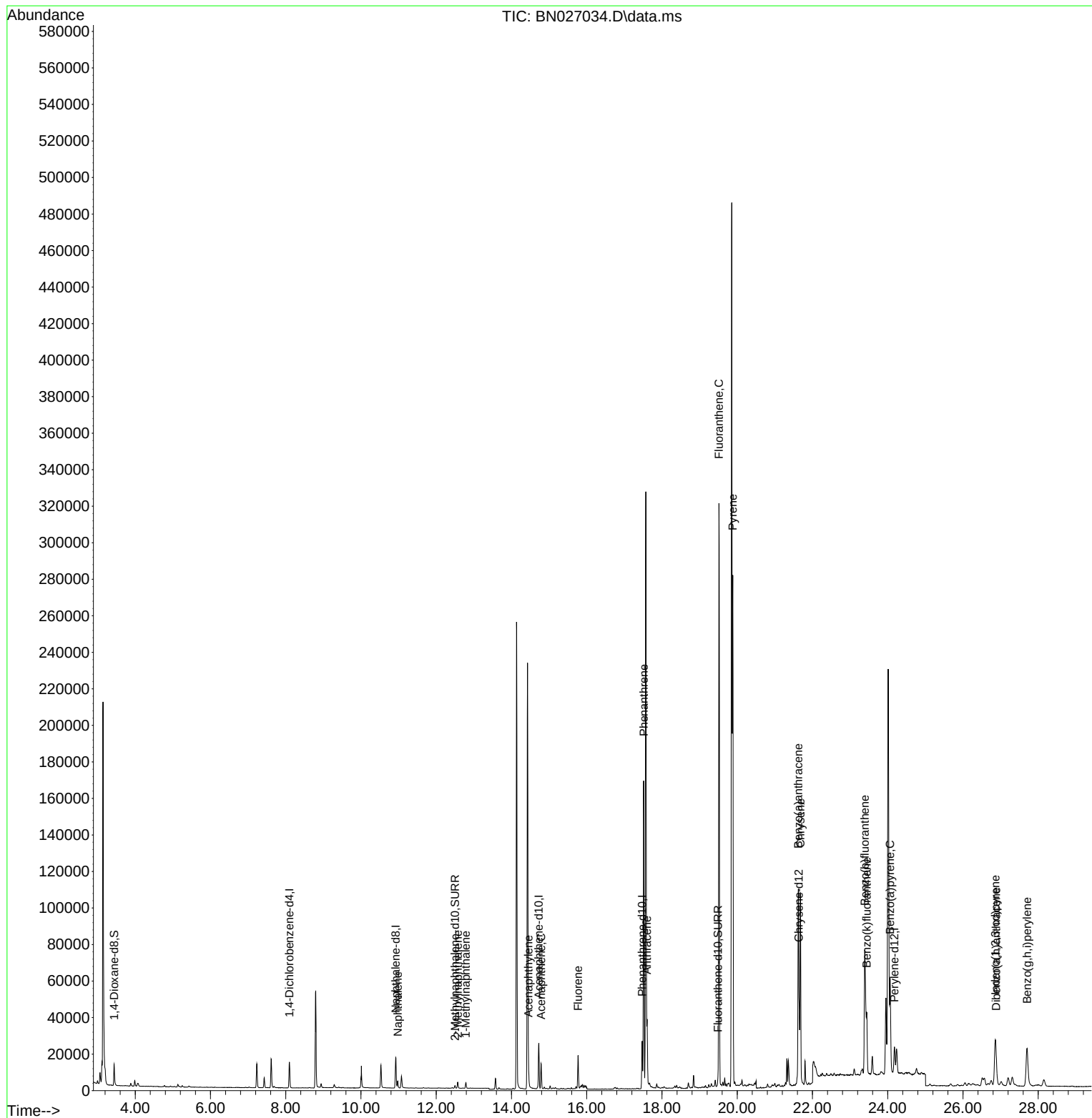
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
Data File : BN027034.D
Acq On : 22 Aug 2023 19:36
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Sample : 03968-01DL 5X
Misc :
ALS Vial : 53 Sample Multiplier: 1

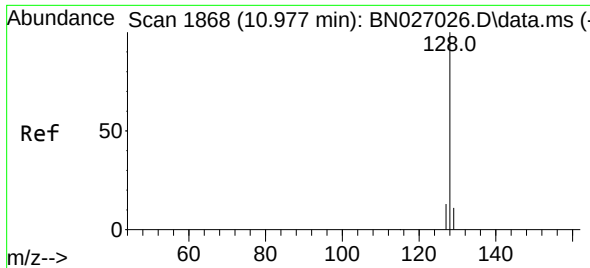
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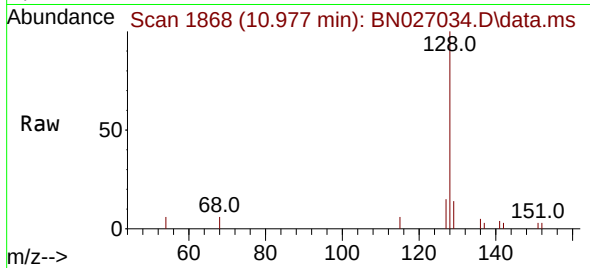
Quant Time: Aug 23 01:44:02 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN080323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 18 13:11:26 2023
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#5
Naphthalene
Concen: 0.076 ng/ul
RT: 10.977 min Scan# 1868
Delta R.T. -0.006 min
Lab File: BN027034.D
Acq: 22 Aug 2023 19:36

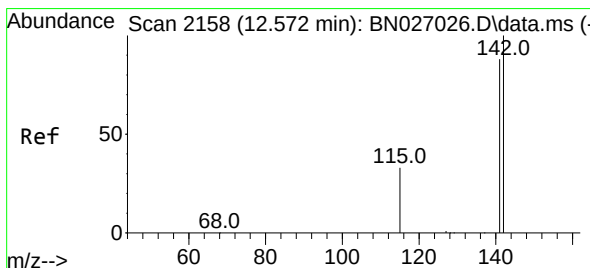
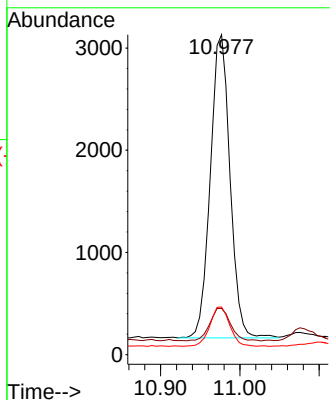
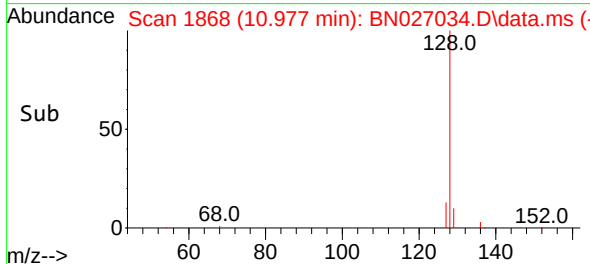
Instrument :
BNA_N
ClientSampleId :
A48H4DL



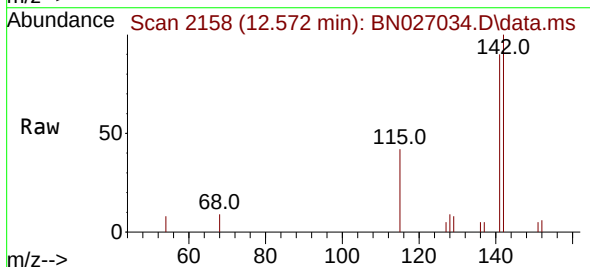
Tgt Ion:128 Resp: 5119
Ion Ratio Lower Upper
128 100
129 14.5 9.2 13.8
127 14.9 10.5 15.7

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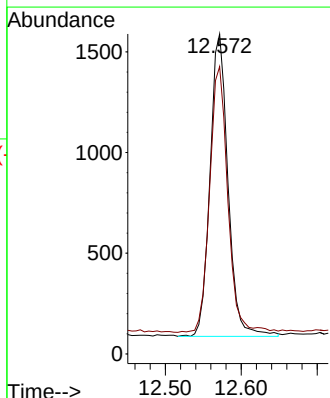
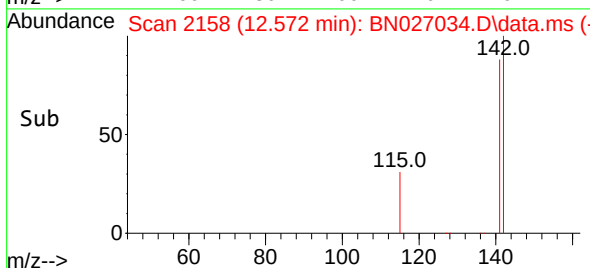
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023

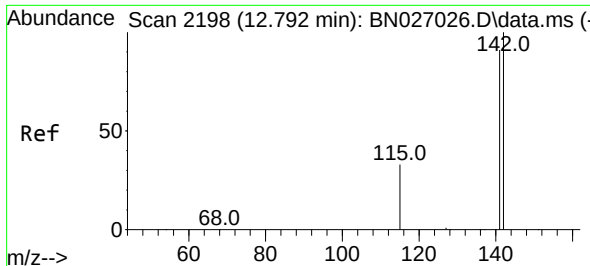


#7
2-Methylnaphthalene
Concen: 0.060 ng/ul
RT: 12.572 min Scan# 2158
Delta R.T. -0.006 min
Lab File: BN027034.D
Acq: 22 Aug 2023 19:36



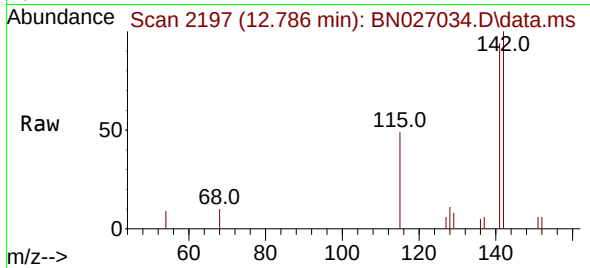
Tgt Ion:142 Resp: 2478
Ion Ratio Lower Upper
142 100
141 88.3 70.9 106.3





#8
1-Methylnaphthalene
Concen: 0.051 ng/ul
RT: 12.786 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BN027034.D
Acq: 22 Aug 2023 19:36

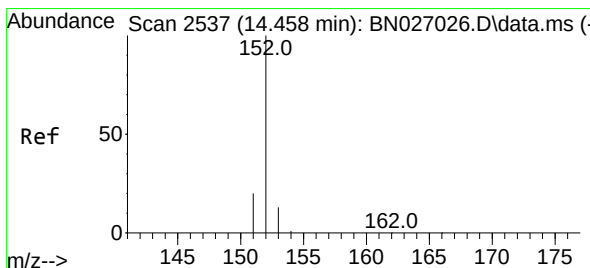
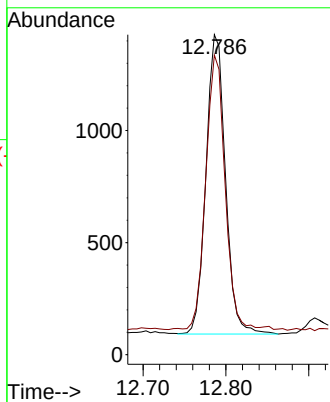
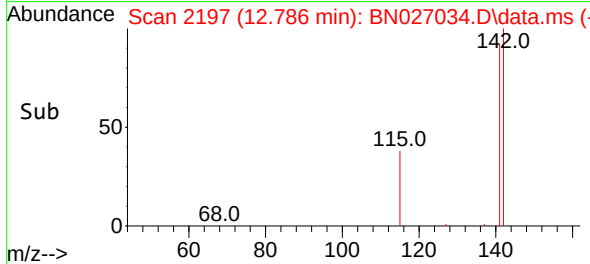
Instrument :
BNA_N
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Tgt Ion:142 Resp: 218
Ion Ratio Lower Upper
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141 91.2 73.2 109.8

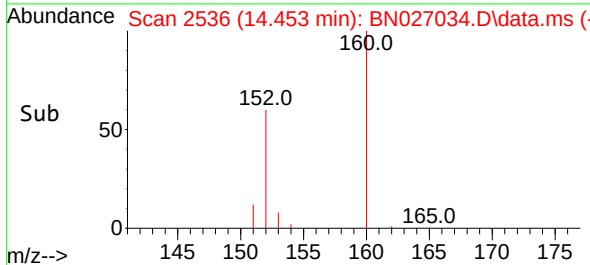
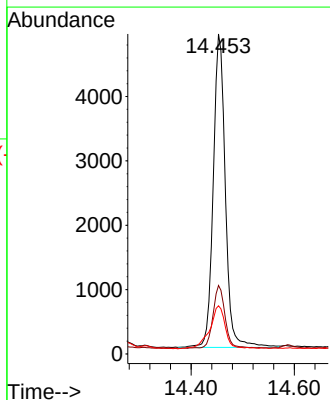
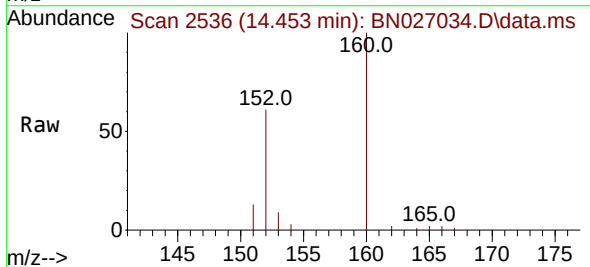
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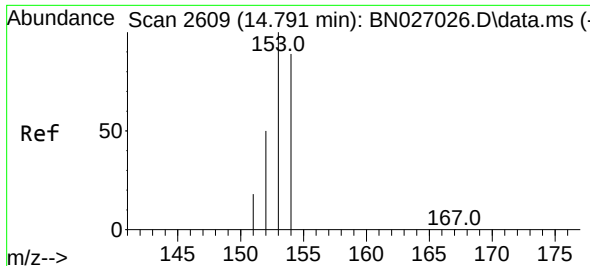
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023



#10
Acenaphthylene
Concen: 0.101 ng/ul
RT: 14.453 min Scan# 2536
Delta R.T. -0.005 min
Lab File: BN027034.D
Acq: 22 Aug 2023 19:36

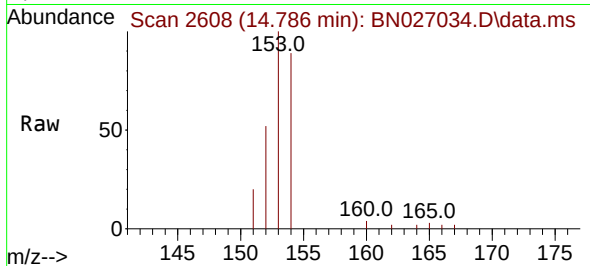
Tgt Ion:152 Resp: 7902
Ion Ratio Lower Upper
152 100
151 21.4 15.9 23.9
153 15.0 11.0 16.6





#11
Acenaphthene
Concen: 0.149 ng/ul
RT: 14.786 min Scan# 2608
Delta R.T. -0.005 min
Lab File: BN027034.D
Acq: 22 Aug 2023 19:36

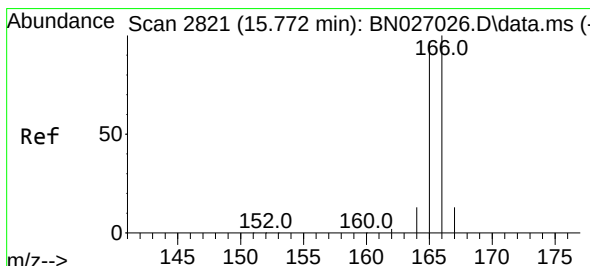
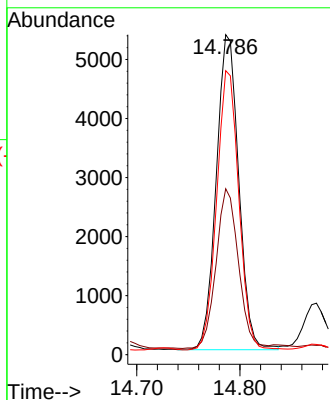
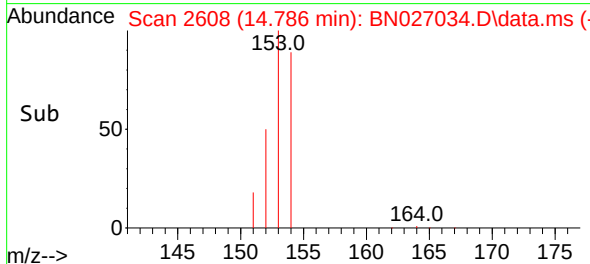
Instrument :
BNA_N
ClientSampleId :
A48H4DL



Tgt Ion:153 Resp: 807
Ion Ratio Lower Upper
153 100
152 51.8 41.1 61.7
154 88.7 71.6 107.4

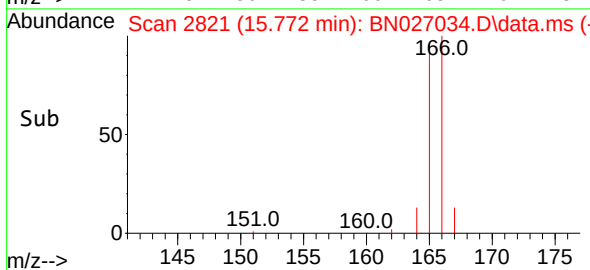
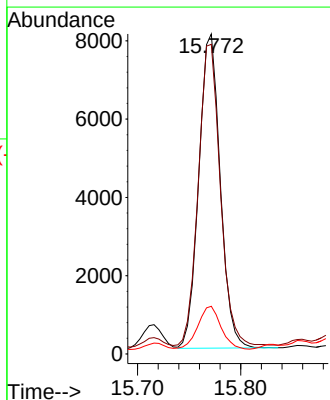
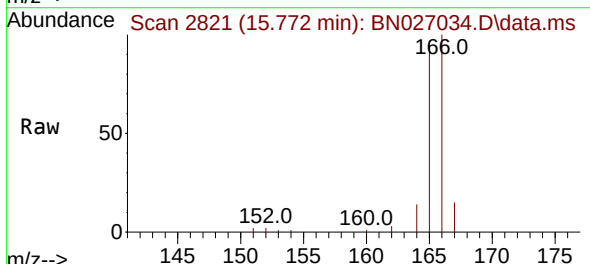
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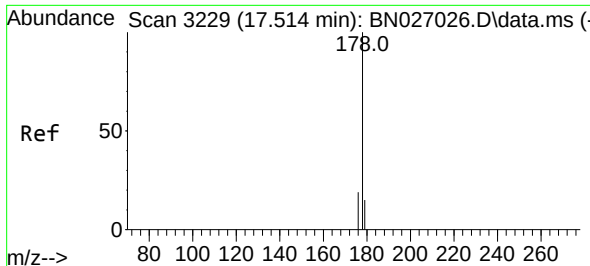
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023



#12
Fluorene
Concen: 0.188 ng/ul
RT: 15.772 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BN027034.D
Acq: 22 Aug 2023 19:36

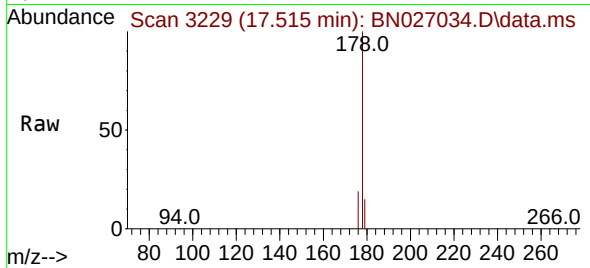
Tgt Ion:166 Resp: 11564
Ion Ratio Lower Upper
166 100
165 96.8 79.1 118.7
167 14.9 11.4 17.0





#15
Phenanthrene
Concen: 1.750 ng/ul
RT: 17.515 min Scan# 31
Delta R.T. -0.004 min
Lab File: BN027034.D
Acq: 22 Aug 2023 19:36

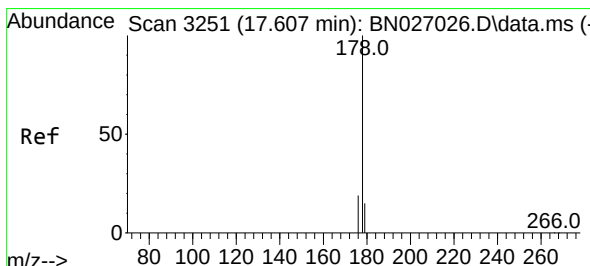
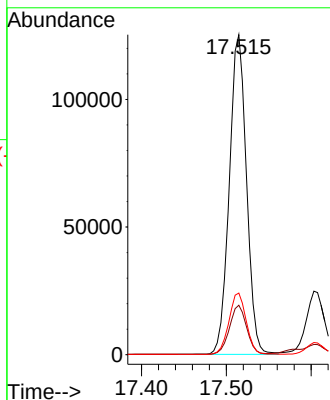
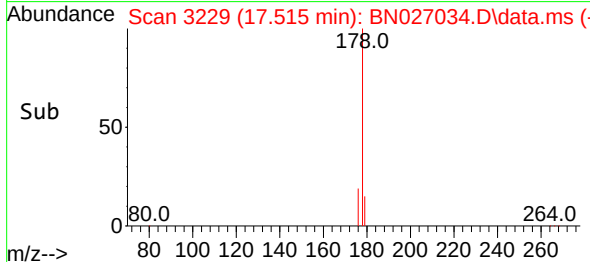
Instrument :
BNA_N
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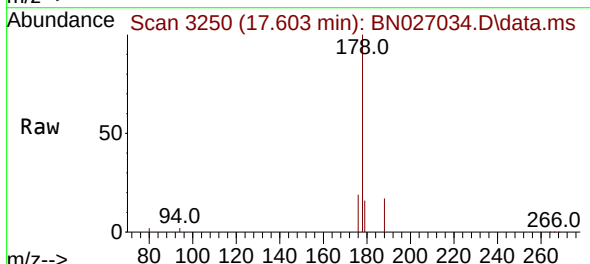
Tgt Ion:178 Resp: 176364
Ion Ratio Lower Upper
178 100
179 15.4 12.6 18.8
176 19.3 15.4 23.2

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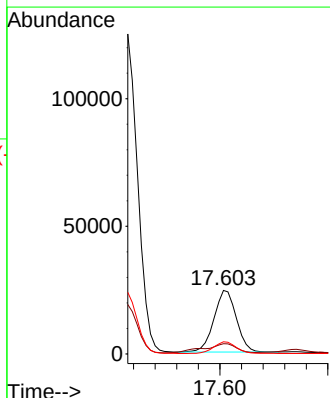
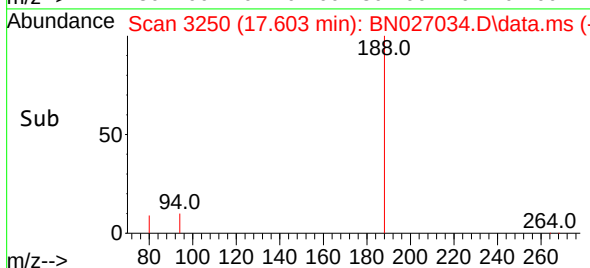
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023

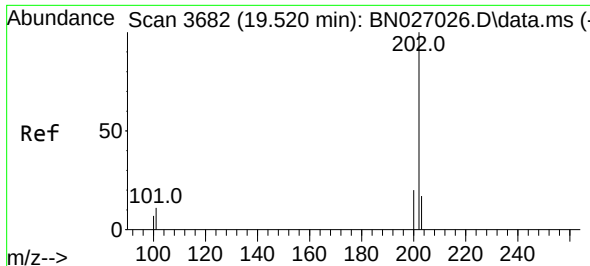


#16
Anthracene
Concen: 0.382 ng/ul
RT: 17.603 min Scan# 3250
Delta R.T. -0.004 min
Lab File: BN027034.D
Acq: 22 Aug 2023 19:36



Tgt Ion:178 Resp: 34800
Ion Ratio Lower Upper
178 100
179 16.2 12.6 19.0
176 19.1 15.0 22.6





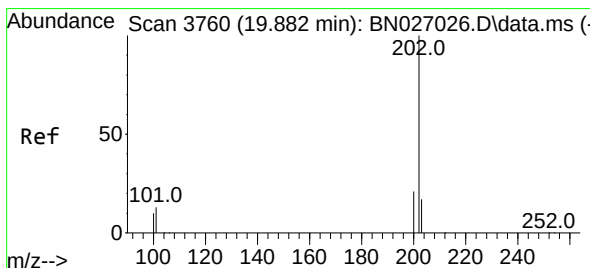
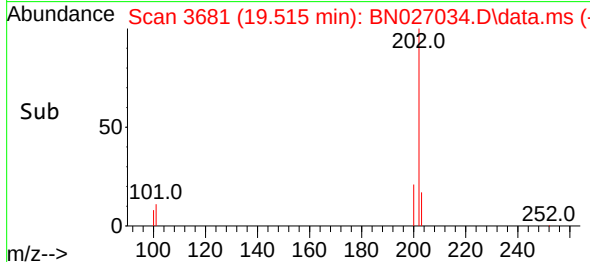
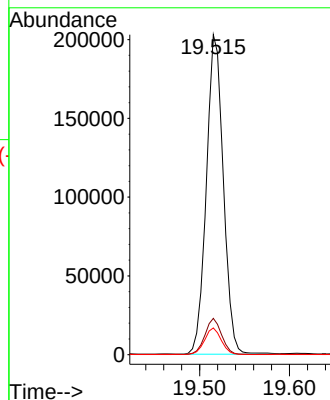
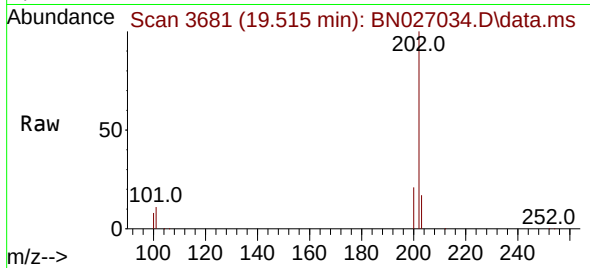
#19
Fluoranthene
Concen: 2.624 ng/ul
RT: 19.515 min Scan# 3681
Delta R.T. -0.009 min
Lab File: BN027034.D
Acq: 22 Aug 2023 19:36

Instrument :
BNA_N
ClientSampleId :
A48H4DL

Tgt Ion:202 Resp: 267091
Ion Ratio Lower Upper
202 100
101 11.3 8.3 12.5
100 8.3 6.2 9.2

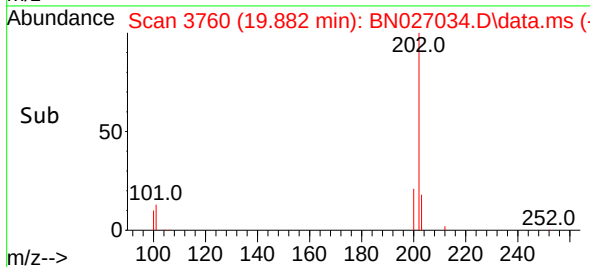
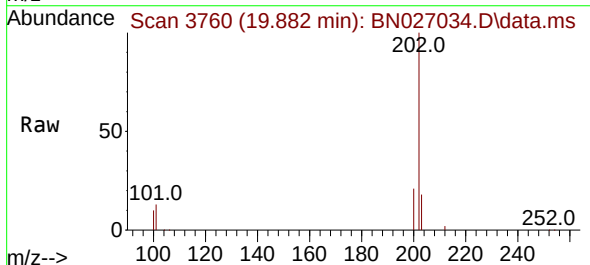
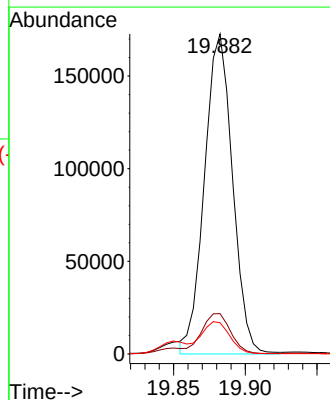
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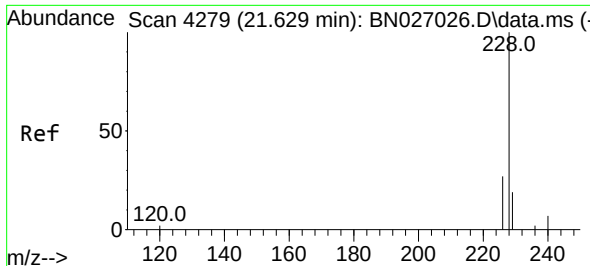
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023



#20
Pyrene
Concen: 2.166 ng/ul m
RT: 19.882 min Scan# 3760
Delta R.T. -0.005 min
Lab File: BN027034.D
Acq: 22 Aug 2023 19:36

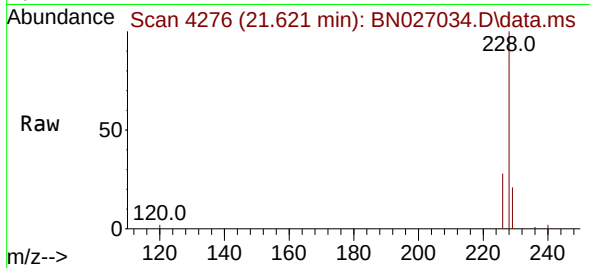
Tgt Ion:202 Resp: 235262
Ion Ratio Lower Upper
202 100
101 12.6 10.7 16.1
100 9.8 8.5 12.7





#21
Benzo(a)anthracene
Concen: 1.033 ng/ul
RT: 21.621 min Scan# 4279
Delta R.T. -0.012 min
Lab File: BN027034.D
Acq: 22 Aug 2023 19:36

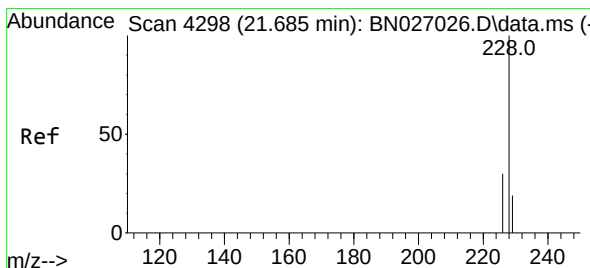
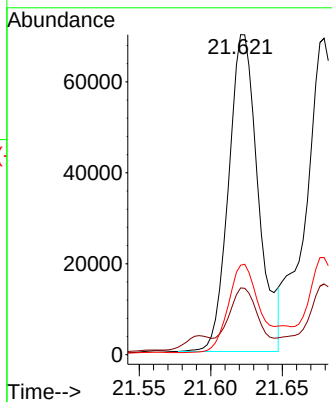
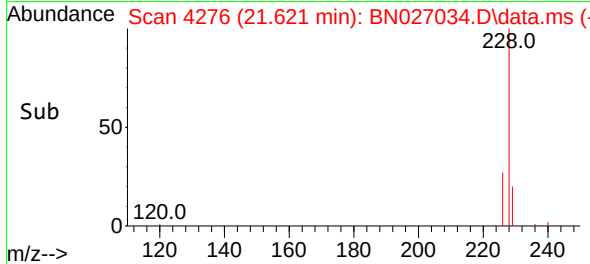
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Tgt Ion:228 Resp: 100680
Ion Ratio Lower Upper
228 100
229 20.9 16.0 24.0
226 27.9 22.2 33.2

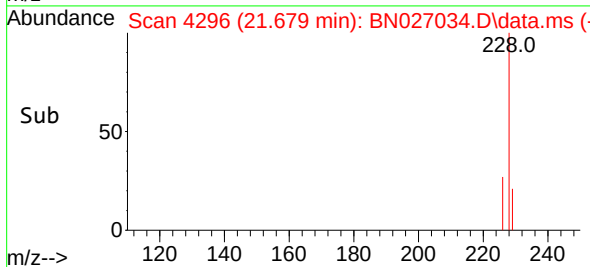
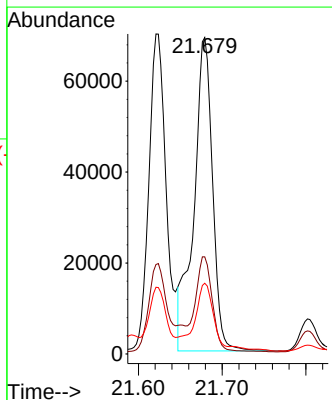
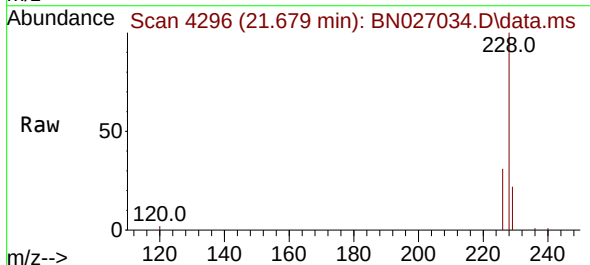
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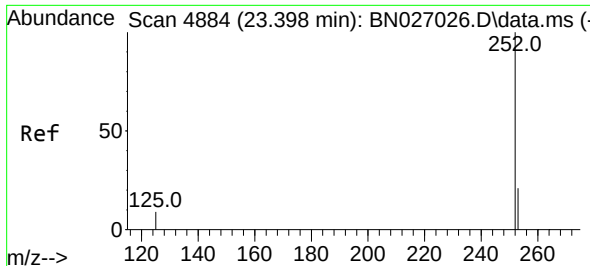
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023



#22
Chrysene
Concen: 1.116 ng/ul
RT: 21.679 min Scan# 4296
Delta R.T. -0.012 min
Lab File: BN027034.D
Acq: 22 Aug 2023 19:36

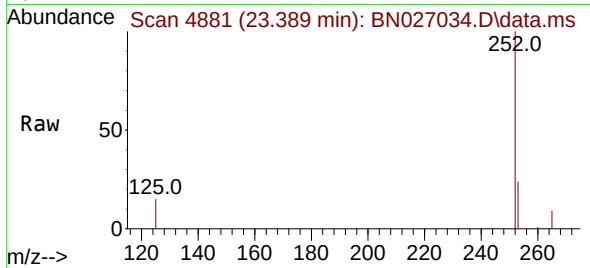
Tgt Ion:228 Resp: 107347
Ion Ratio Lower Upper
228 100
226 30.7 24.6 36.8
229 22.3 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 1.600 ng/ul m
RT: 23.389 min Scan# 4881
Delta R.T. -0.018 min
Lab File: BN027034.D
Acq: 22 Aug 2023 19:36

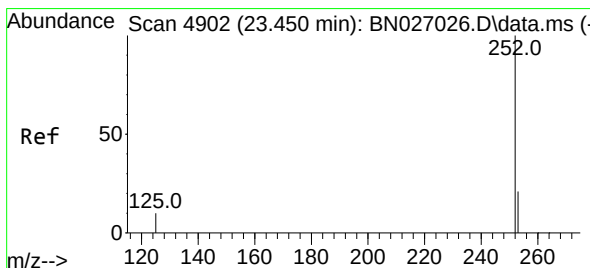
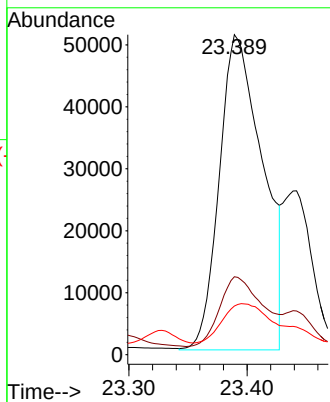
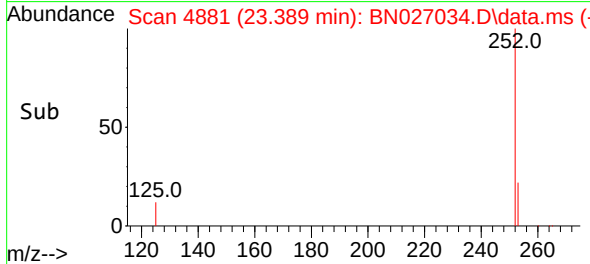
Instrument :
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A48H4DL



Tgt Ion:252 Resp: 129560
Ion Ratio Lower Upper
252 100
253 24.3 0.0 46.8
125 15.2 0.0 25.2

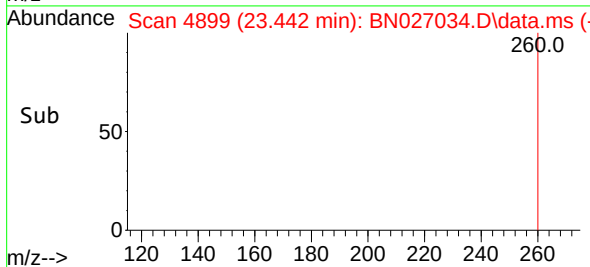
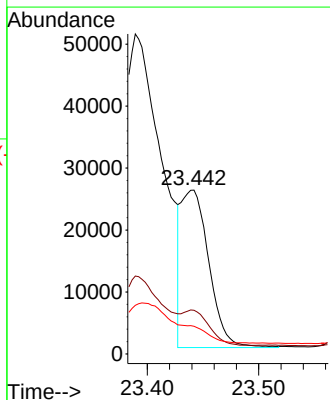
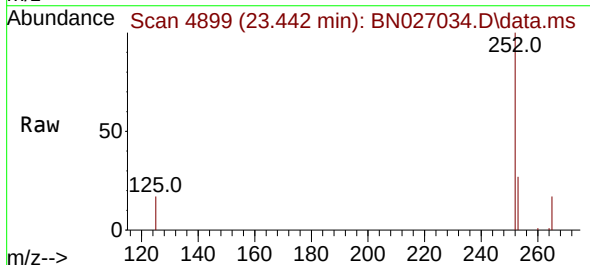
Manual Integrations
APPROVED

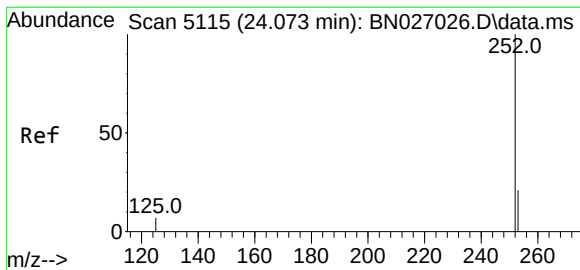
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023



#25
Benzo(k)fluoranthene
Concen: 0.550 ng/ul m
RT: 23.442 min Scan# 4899
Delta R.T. -0.018 min
Lab File: BN027034.D
Acq: 22 Aug 2023 19:36

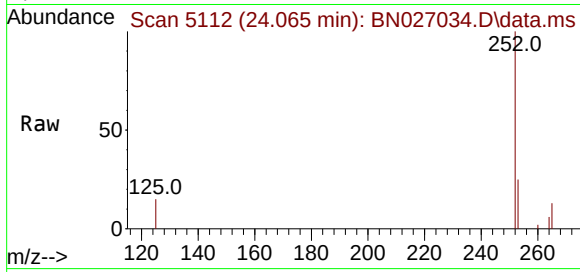
Tgt Ion:252 Resp: 43930
Ion Ratio Lower Upper
252 100
253 26.6 18.2 27.4
125 16.9 9.9 14.9#





#26
Benzo(a)pyrene
Concen: 1.090 ng/ul
RT: 24.065 min Scan# 5115
Delta R.T. -0.021 min
Lab File: BN027034.D
Acq: 22 Aug 2023 19:36

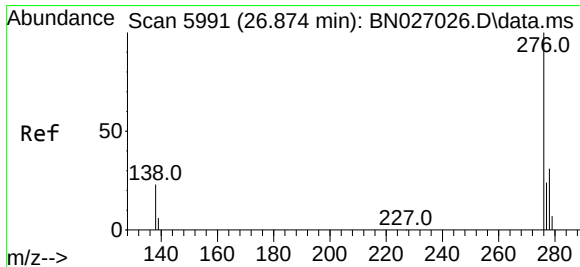
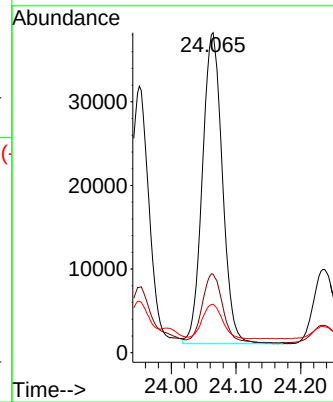
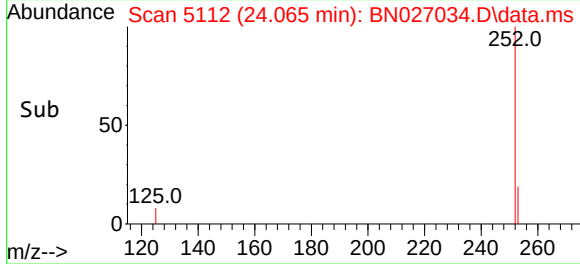
Instrument :
BNA_N
ClientSampleId :
A48H4DL



Tgt Ion:	252	Resp:	79630
Ion Ratio	Lower	Upper	
252	100		
253	24.6	19.0	28.6
125	15.1	11.4	17.0

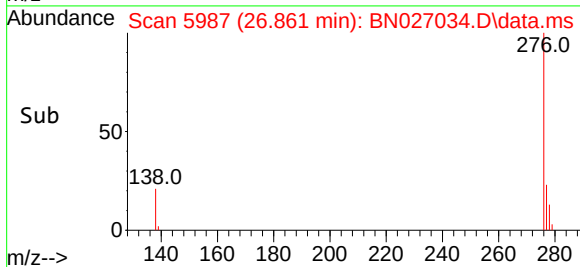
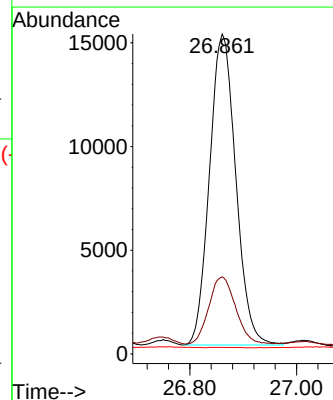
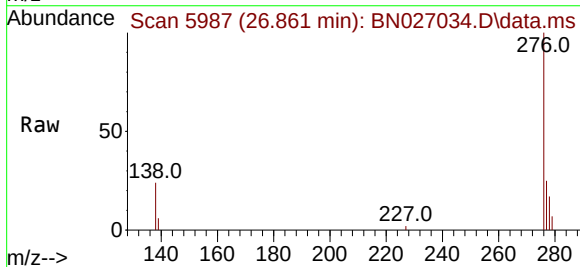
Manual Integrations
APPROVED

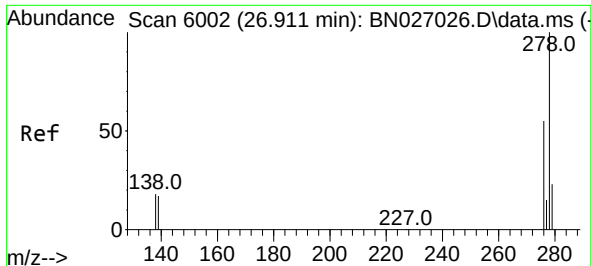
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.536 ng/ul
RT: 26.861 min Scan# 5987
Delta R.T. -0.024 min
Lab File: BN027034.D
Acq: 22 Aug 2023 19:36

Tgt Ion:	276	Resp:	51242
Ion Ratio	Lower	Upper	
276	100		
138	21.8	21.6	32.4
227	0.0	0.0	0.0





#28

Dibenzo(a,h)anthracene

Concen: 0.151 ng/ul

RT: 26.884 min Scan# 5994

Delta R.T. -0.037 min

Lab File: BN027034.D

Acq: 22 Aug 2023 19:36

Instrument :

BNA_N

ClientSampleId :

A48H4DL

Tgt Ion:278 Resp: 1151

Ion Ratio Lower Upper

278 100

139 32.9 15.7 23.5

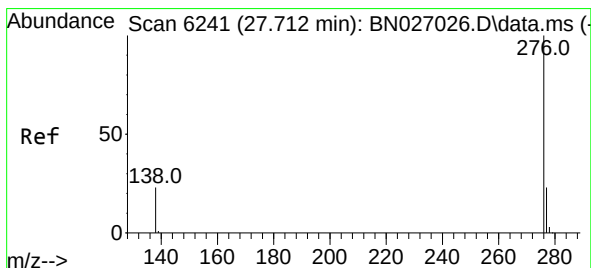
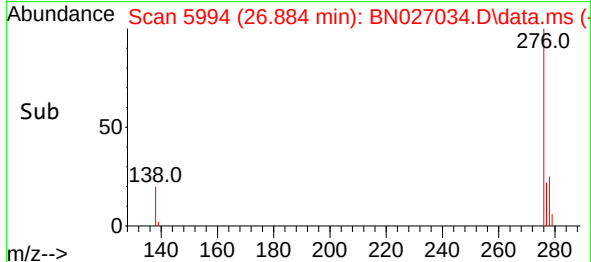
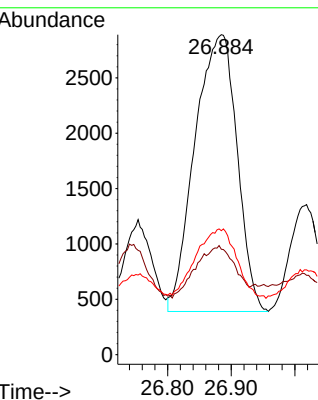
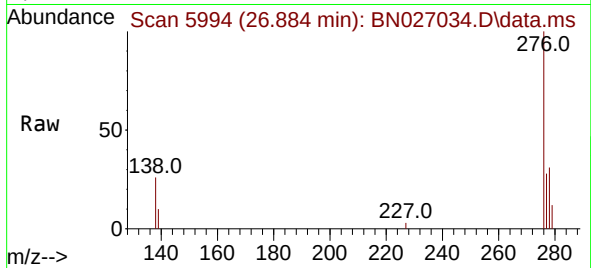
279 38.8 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/23/2023

Supervised By :mohammad ahmed 08/24/2023



#29

Benzo(g,h,i)perylene

Concen: 0.641 ng/ul

RT: 27.703 min Scan# 6238

Delta R.T. -0.021 min

Lab File: BN027034.D

Acq: 22 Aug 2023 19:36

Tgt Ion:276 Resp: 51011

Ion Ratio Lower Upper

276 100

138 25.2 19.3 28.9

277 26.0 19.8 29.8

