

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
 Data File : BN027019.D
 Acq On : 22 Aug 2023 08:31
 Operator : MA/JU
 Sample : 03968-05
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48N7

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2023
 Supervised By :mohammad ahmed 08/22/2023

Quant Time: Aug 22 08:59:38 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	8626	0.400	ng/ul	0.00
4) Naphthalene-d8	10.927	136	28588	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.726	164	17006	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.472	188	51345	0.400	ng/ul	0.00
17) Chrysene-d12	21.647	240	29708	0.400	ng/ul	# 0.00
23) Perylene-d12	24.187	264	27142	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	42733	4.173	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.500	152	9002	0.214	ng/ul	0.00
18) Fluoranthene-d10	19.487	212	22671	0.242	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.977	128	5823	0.072	ng/ul#	93
7) 2-Methylnaphthalene	12.572	142	1795	0.037	ng/ul	98
8) 1-Methylnaphthalene	12.786	142	1198	0.023	ng/ul	100
10) Acenaphthylene	14.458	152	6845	0.072	ng/ul	94
11) Acenaphthene	14.786	153	2787	0.042	ng/ul	96
12) Fluorene	15.772	166	3821	0.051	ng/ul#	96
15) Phenanthrene	17.515	178	69864	0.414	ng/ul	99
16) Anthracene	17.607	178	15442	0.101	ng/ul#	94
19) Fluoranthene	19.520	202	157827	1.279	ng/ul	99
20) Pyrene	19.887	202	141056m	1.071	ng/ul	
21) Benzo(a)anthracene	21.627	228	72020	0.610	ng/ul	96
22) Chrysene	21.682	228	83046	0.712	ng/ul	96
24) Benzo(b)fluoranthene	23.401	252	96608m	0.941	ng/ul	
25) Benzo(k)fluoranthene	23.448	252	34625m	0.342	ng/ul	
26) Benzo(a)pyrene	24.073	252	60371	0.652	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	26.871	276	40426	0.334	ng/ul#	90
28) Dibenzo(a,h)anthracene	26.894	278	10244	0.106	ng/ul#	55
29) Benzo(g,h,i)perylene	27.713	276	38728	0.384	ng/ul	94

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

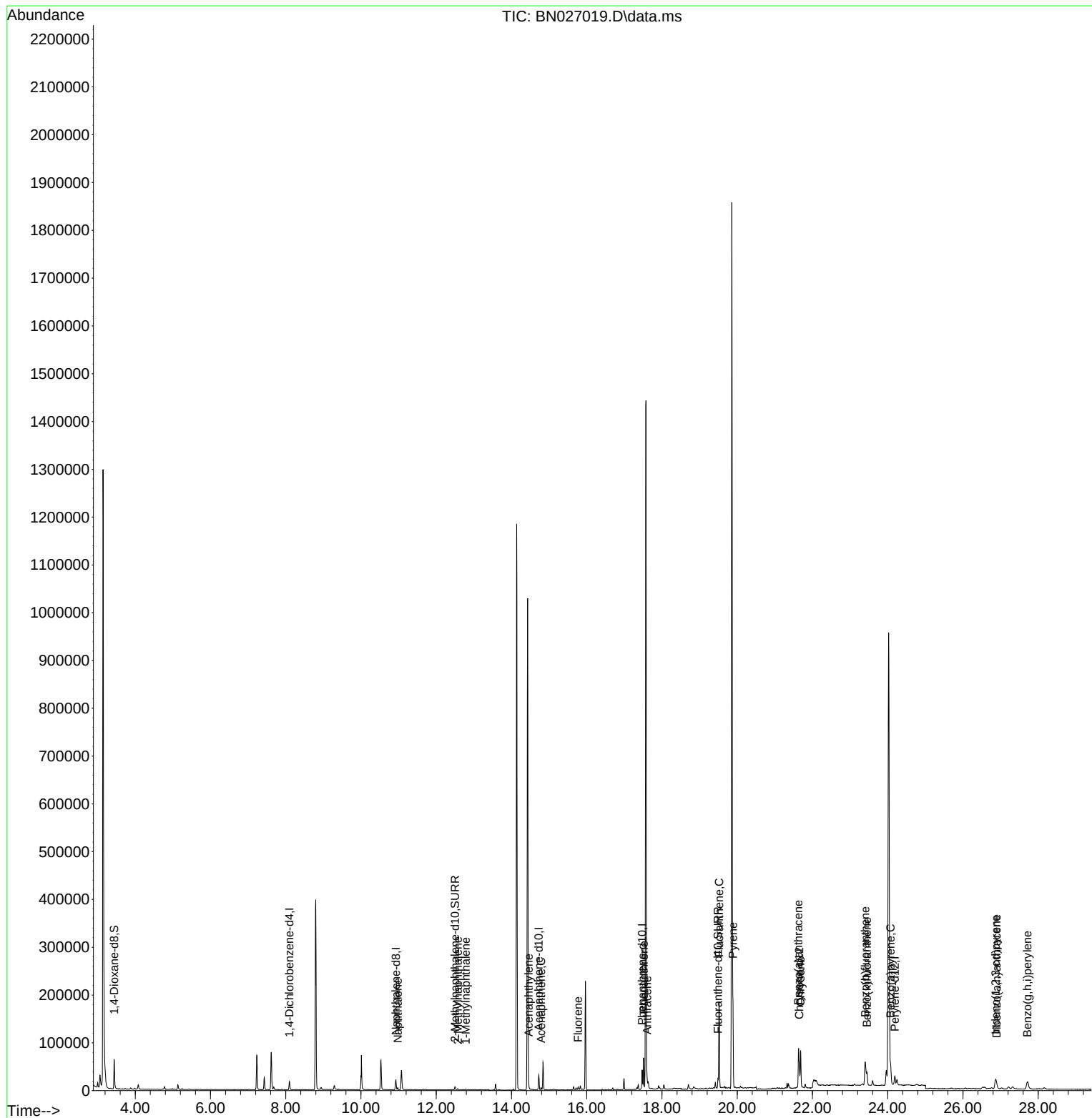
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
Data File : BN027019.D
Acq On : 22 Aug 2023 08:31
Operator : MA/JU
Sample : 03968-05
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ALS Vial : 37 Sample Multiplier: 1

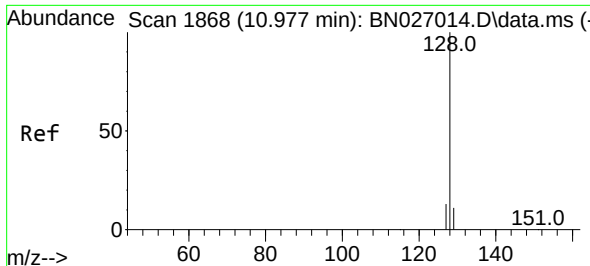
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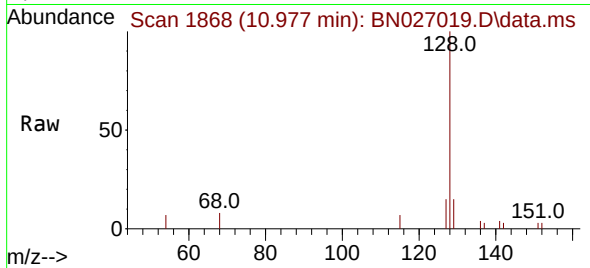
Quant Time: Aug 22 08:59:38 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN080323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 18 13:11:26 2023
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#5
Naphthalene
Concen: 0.072 ng/ul
RT: 10.977 min Scan# 1868
Delta R.T. -0.006 min
Lab File: BN027019.D
Acq: 22 Aug 2023 08:31

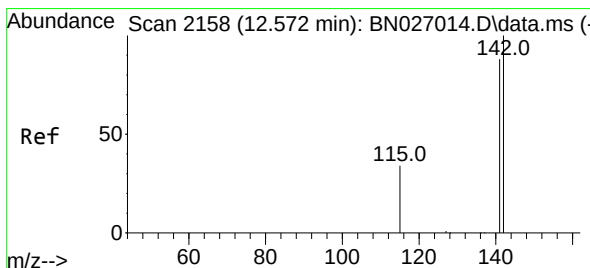
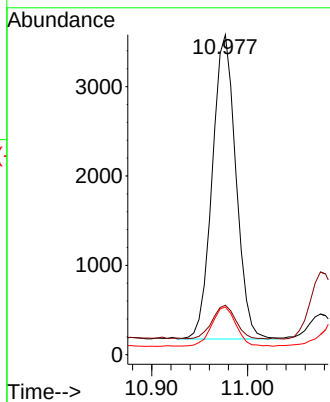
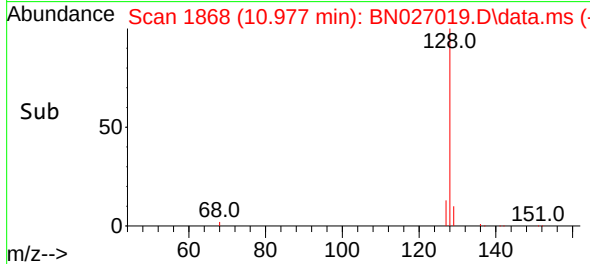
Instrument :
BNA_N
ClientSampleId :
A48N7



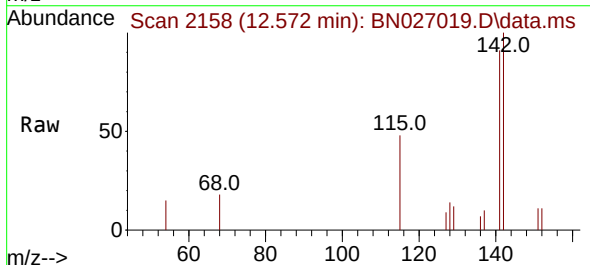
Tgt Ion:128 Resp: 582
Ion Ratio Lower Upper
128 100
129 15.4 9.2 13.8
127 14.9 10.5 15.7

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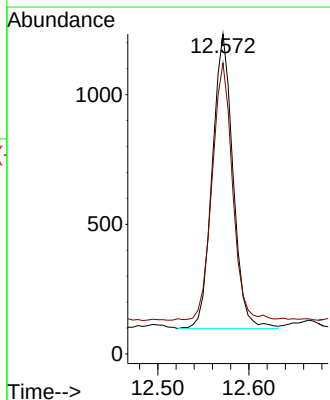
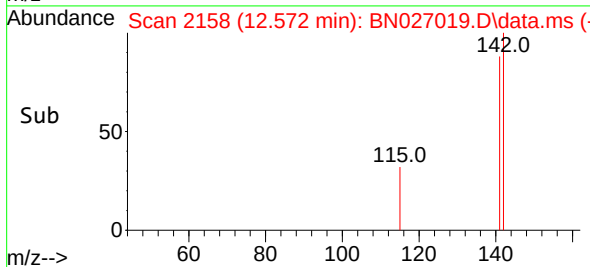
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

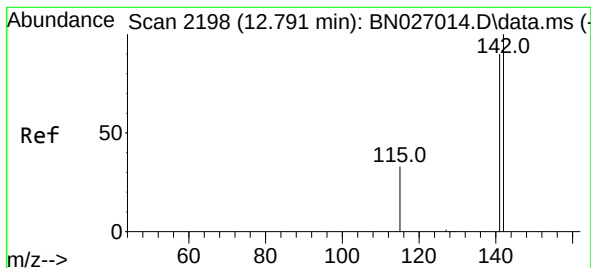


#7
2-Methylnaphthalene
Concen: 0.037 ng/ul
RT: 12.572 min Scan# 2158
Delta R.T. -0.006 min
Lab File: BN027019.D
Acq: 22 Aug 2023 08:31



Tgt Ion:142 Resp: 1795
Ion Ratio Lower Upper
142 100
141 86.5 70.9 106.3





#8

1-Methylnaphthalene

Concen: 0.023 ng/u1

RT: 12.786 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BN027019.D

Acq: 22 Aug 2023 08:31

Instrument :

BNA_N

ClientSampleId :

A48N7

Tgt Ion:142 Resp: 1198

Ion Ratio Lower Upper

142 100

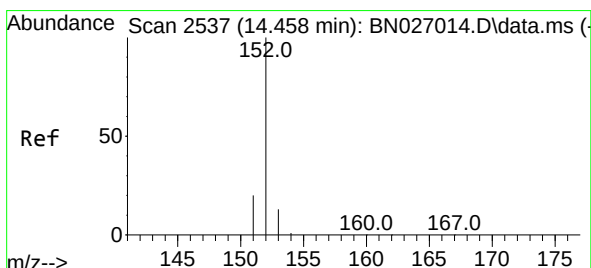
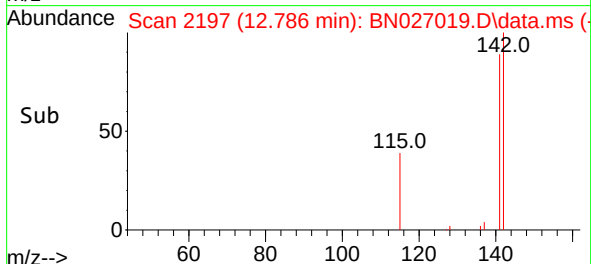
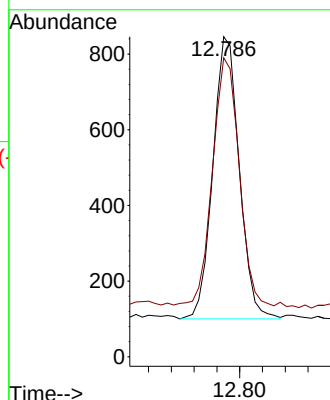
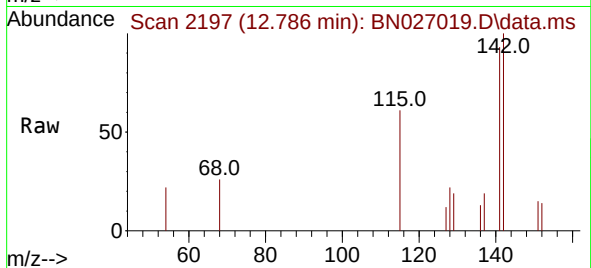
141 91.1 73.2 109.8

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#10

Acenaphthylene

Concen: 0.072 ng/u1

RT: 14.458 min Scan# 2537

Delta R.T. -0.000 min

Lab File: BN027019.D

Acq: 22 Aug 2023 08:31

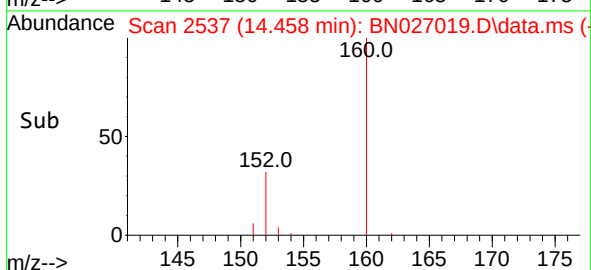
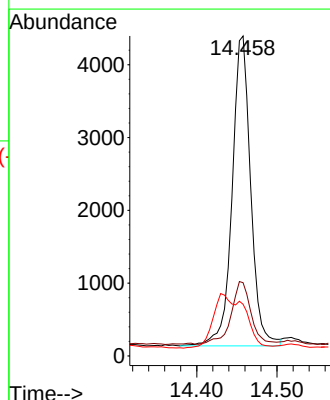
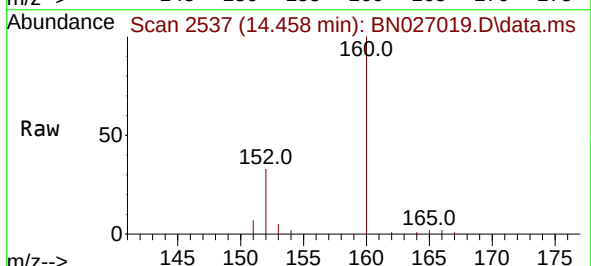
Tgt Ion:152 Resp: 6845

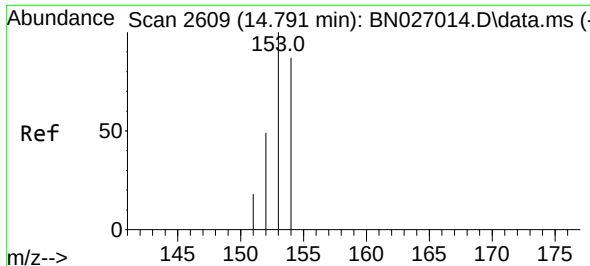
Ion Ratio Lower Upper

152 100

151 22.9 15.9 23.9

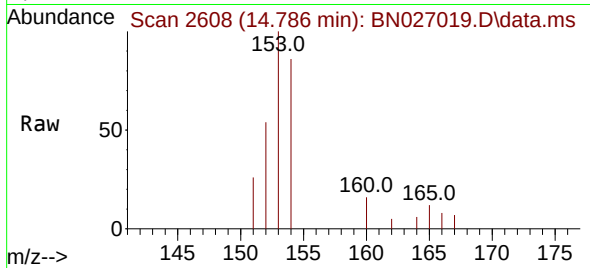
153 16.2 11.0 16.6





#11
Acenaphthene
Concen: 0.042 ng/ul
RT: 14.786 min Scan# 2608
Delta R.T. -0.005 min
Lab File: BN027019.D
Acq: 22 Aug 2023 08:31

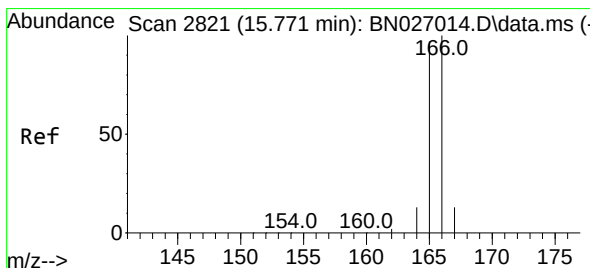
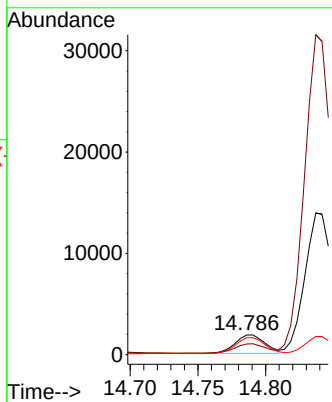
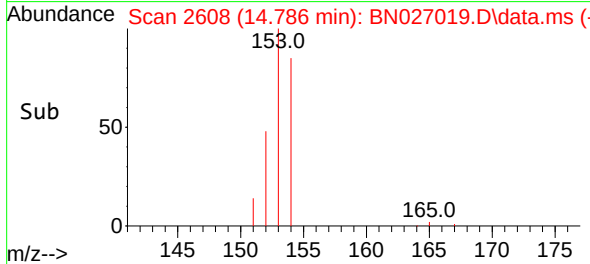
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:153 Resp: 278
Ion Ratio Lower Upper
153 100
152 54.2 41.1 61.7
154 85.7 71.6 107.4

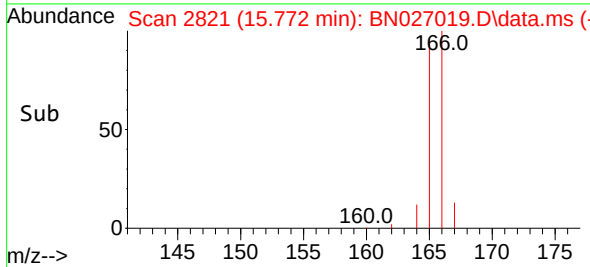
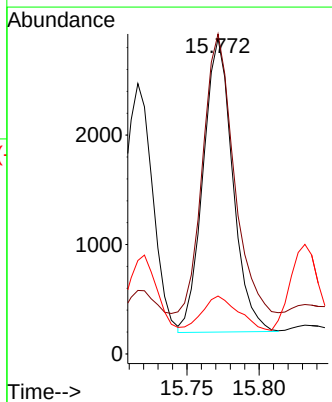
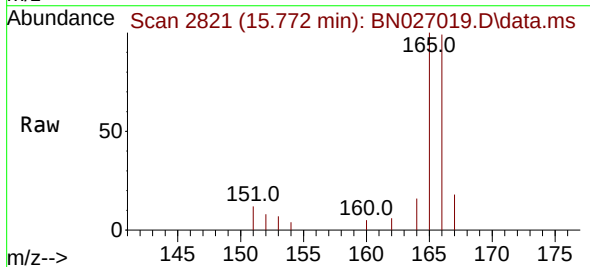
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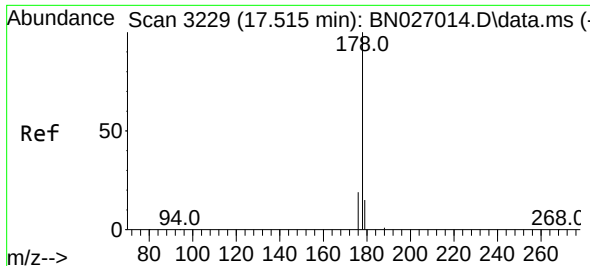
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#12
Fluorene
Concen: 0.051 ng/ul
RT: 15.772 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BN027019.D
Acq: 22 Aug 2023 08:31

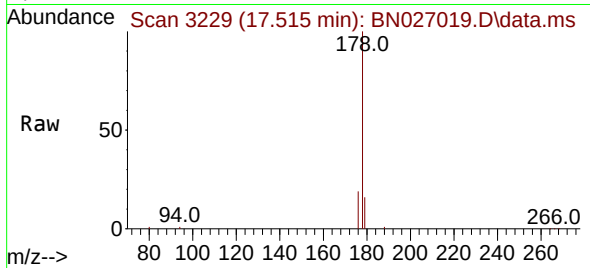
Tgt Ion:166 Resp: 3821
Ion Ratio Lower Upper
166 100
165 101.5 79.1 118.7
167 18.4 11.4 17.0#





#15
Phenanthrene
Concen: 0.414 ng/ul
RT: 17.515 min Scan# 31
Delta R.T. -0.004 min
Lab File: BN027019.D
Acq: 22 Aug 2023 08:31

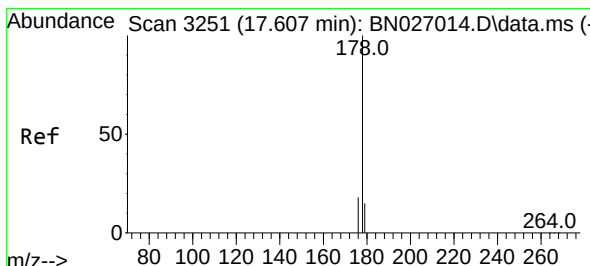
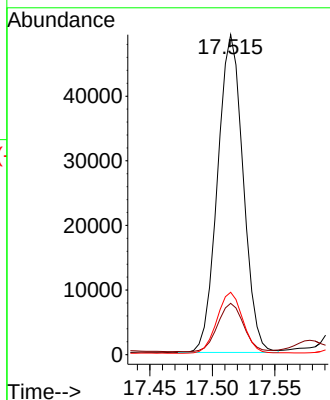
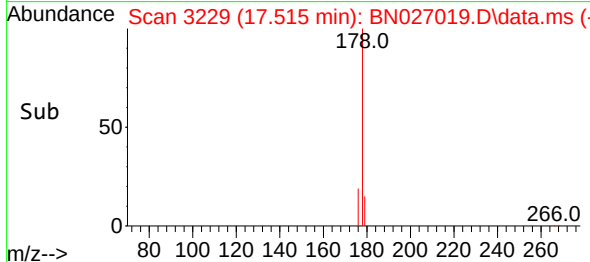
Instrument :
BNA_N
ClientSampleId :
A48N7



Tgt Ion:178 Resp: 69864
Ion Ratio Lower Upper
178 100
179 16.1 12.6 18.8
176 19.5 15.4 23.2

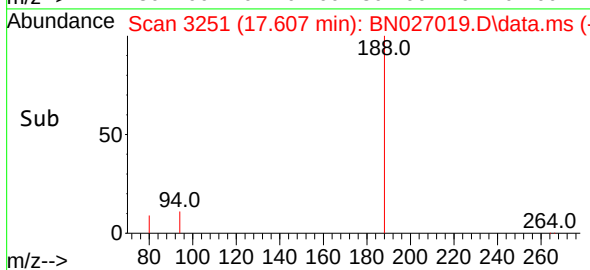
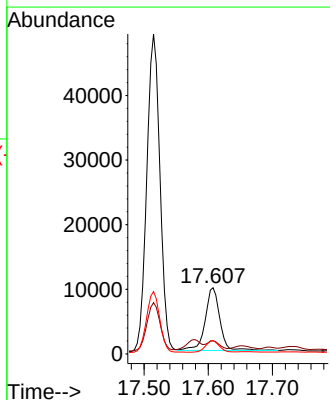
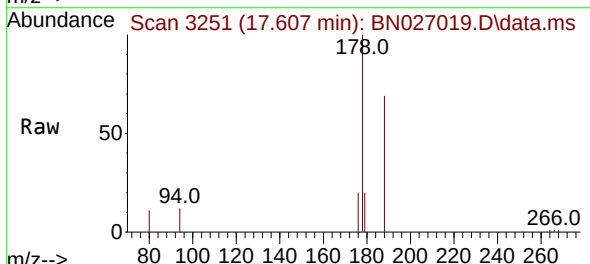
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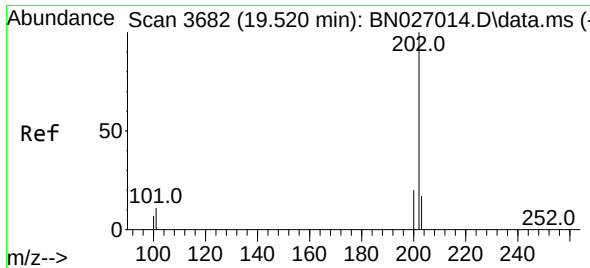
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#16
Anthracene
Concen: 0.101 ng/ul
RT: 17.607 min Scan# 3251
Delta R.T. -0.000 min
Lab File: BN027019.D
Acq: 22 Aug 2023 08:31

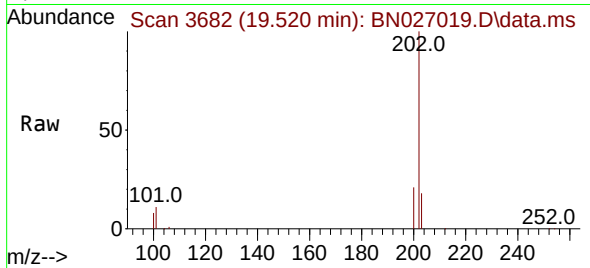
Tgt Ion:178 Resp: 15442
Ion Ratio Lower Upper
178 100
179 19.9 12.6 19.0#
176 20.2 15.0 22.6





#19
Fluoranthene
Concen: 1.279 ng/ul
RT: 19.520 min Scan# 3682
Delta R.T. -0.005 min
Lab File: BN027019.D
Acq: 22 Aug 2023 08:31

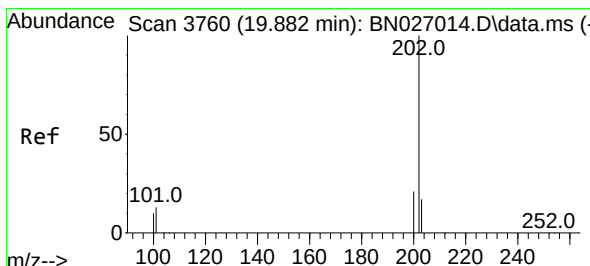
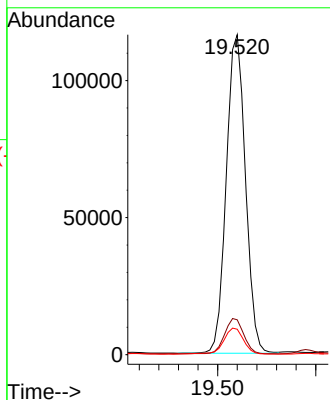
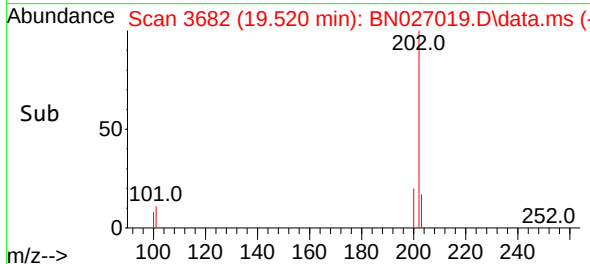
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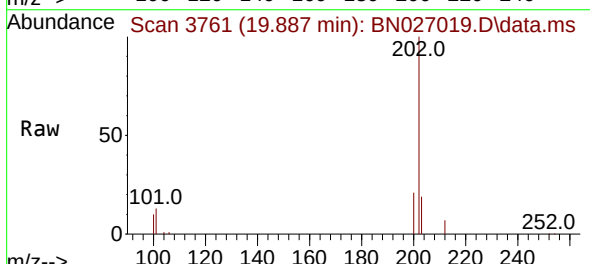
Tgt Ion:202 Resp: 15782
Ion Ratio Lower Upper
202 100
101 10.9 8.3 12.5
100 7.9 6.2 9.2

Manual Integrations
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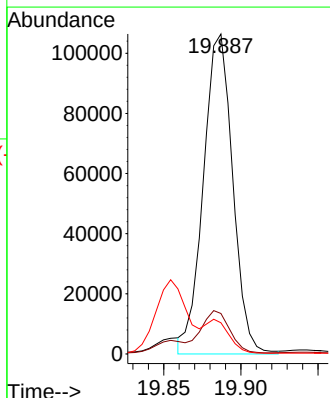
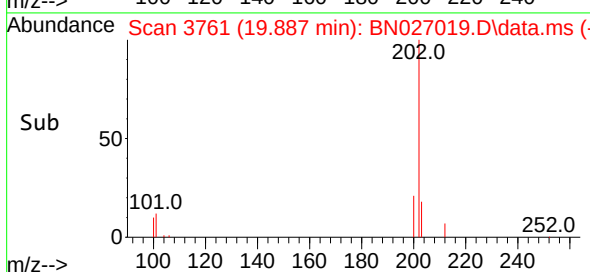
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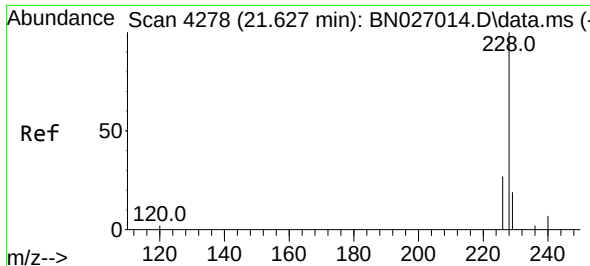


#20
Pyrene
Concen: 1.071 ng/ul m
RT: 19.887 min Scan# 3761
Delta R.T. -0.000 min
Lab File: BN027019.D
Acq: 22 Aug 2023 08:31



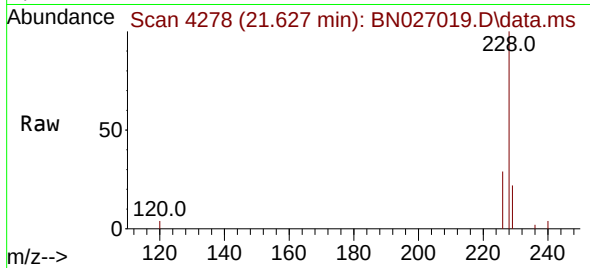
Tgt Ion:202 Resp: 141056
Ion Ratio Lower Upper
202 100
101 12.6 10.7 16.1
100 9.8 8.5 12.7





#21
Benzo(a)anthracene
Concen: 0.610 ng/ul
RT: 21.627 min Scan# 4278
Delta R.T. -0.006 min
Lab File: BN027019.D
Acq: 22 Aug 2023 08:31

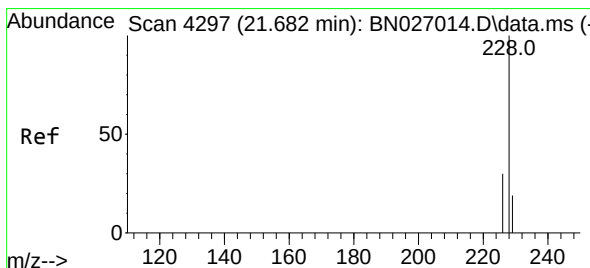
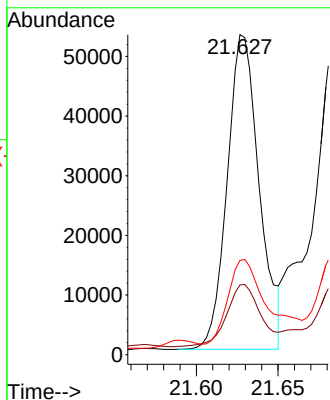
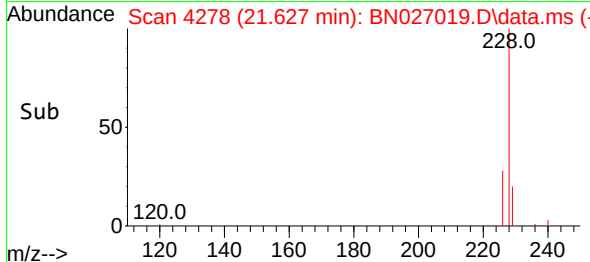
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Tgt Ion:228 Resp: 72020
Ion Ratio Lower Upper
228 100
229 21.8 16.0 24.0
226 29.5 22.2 33.2

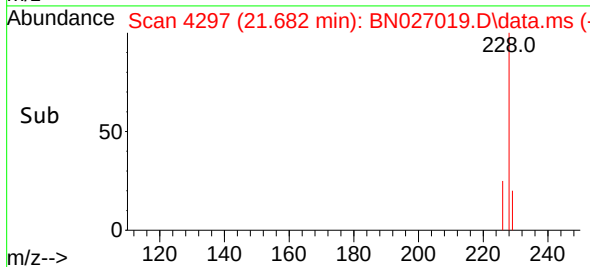
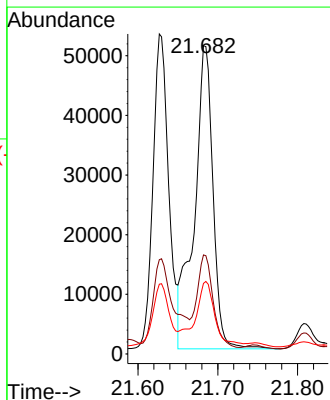
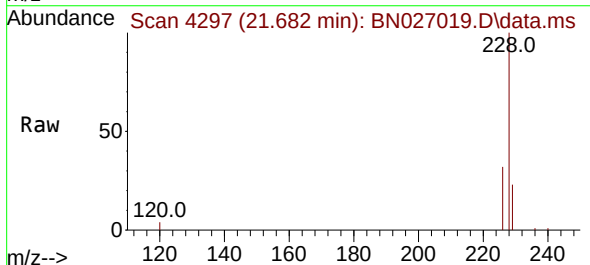
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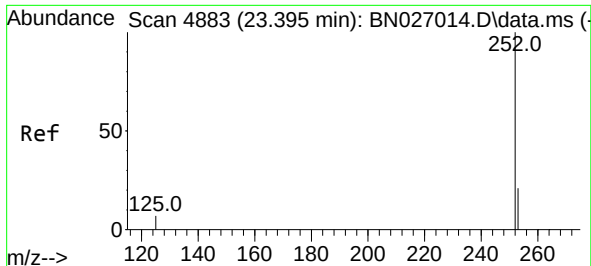
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#22
Chrysene
Concen: 0.712 ng/ul
RT: 21.682 min Scan# 4297
Delta R.T. -0.009 min
Lab File: BN027019.D
Acq: 22 Aug 2023 08:31

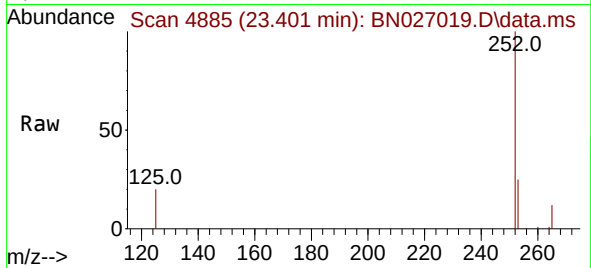
Tgt Ion:228 Resp: 83046
Ion Ratio Lower Upper
228 100
226 32.1 24.6 36.8
229 22.9 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 0.941 ng/ul m
RT: 23.401 min Scan# 4885
Delta R.T. -0.006 min
Lab File: BN027019.D
Acq: 22 Aug 2023 08:31

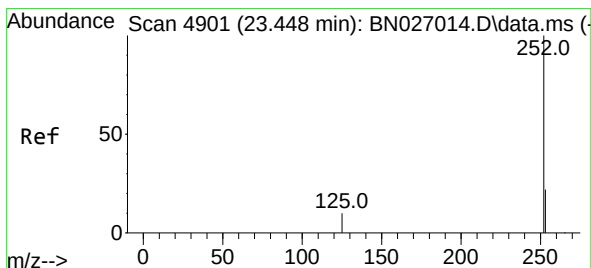
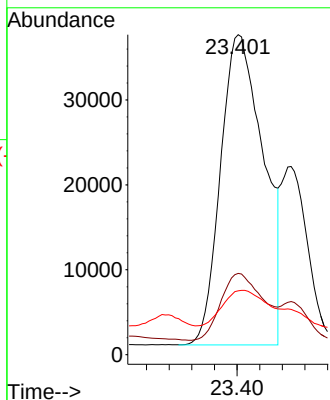
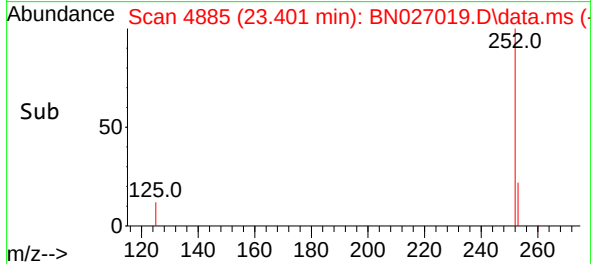
Instrument :
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Tgt Ion:252 Resp: 96608
Ion Ratio Lower Upper
252 100
253 25.4 0.0 46.8
125 19.9 0.0 25.2

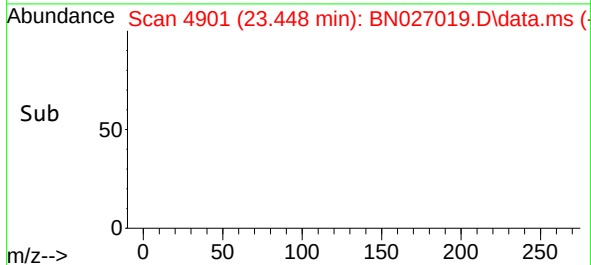
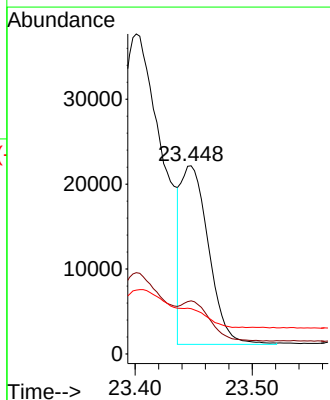
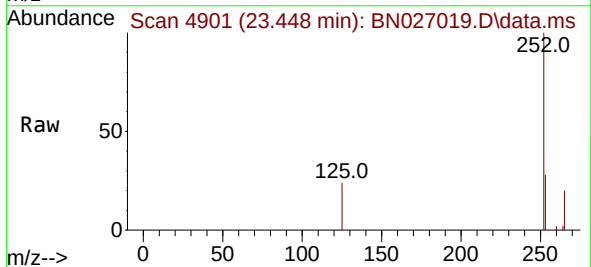
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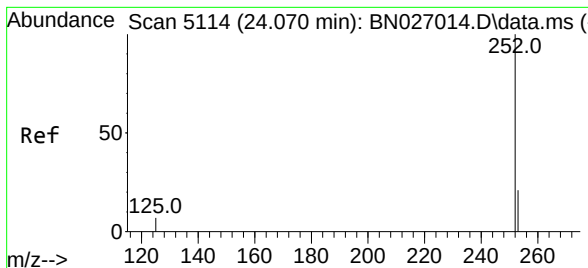
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#25
Benzo(k)fluoranthene
Concen: 0.342 ng/ul m
RT: 23.448 min Scan# 4901
Delta R.T. -0.012 min
Lab File: BN027019.D
Acq: 22 Aug 2023 08:31

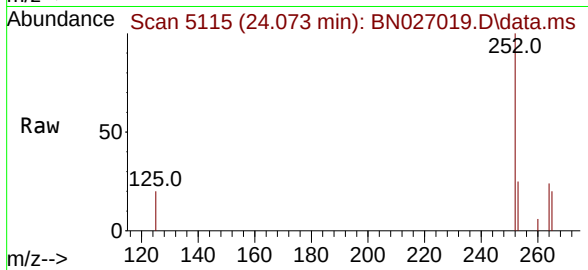
Tgt Ion:252 Resp: 34625
Ion Ratio Lower Upper
252 100
253 28.2 18.2 27.4#
125 24.0 9.9 14.9#





#26
Benzo(a)pyrene
Concen: 0.652 ng/ul
RT: 24.073 min Scan# 5114
Delta R.T. -0.012 min
Lab File: BN027019.D
Acq: 22 Aug 2023 08:31

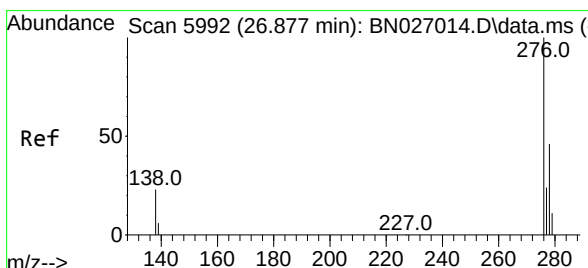
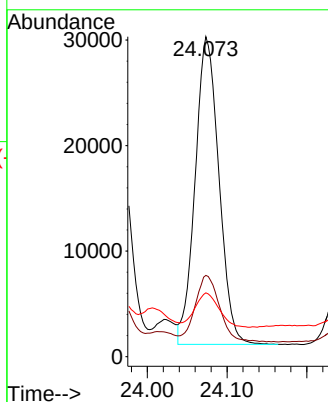
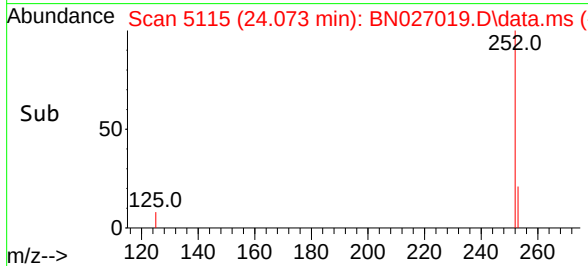
Instrument :
BNA_N
ClientSampleId :
A48N7



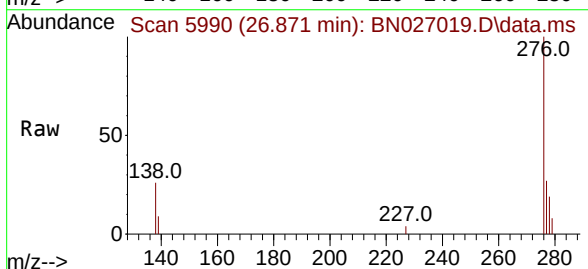
Tgt Ion:252 Resp: 6037
Ion Ratio Lower Upper
252 100
253 25.4 19.0 28.6
125 19.9 11.4 17.0

Manual Integrations
APPROVED

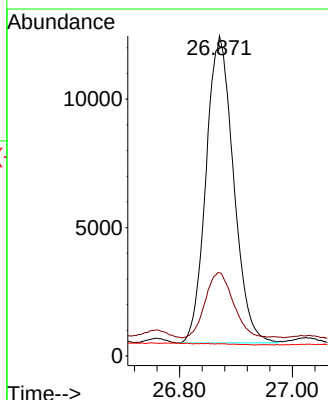
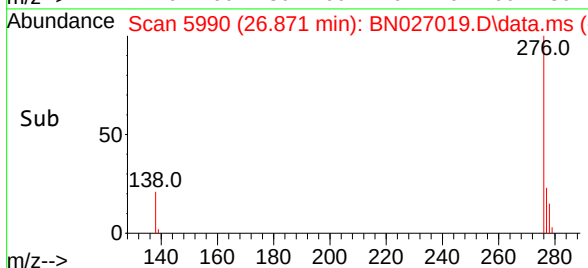
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

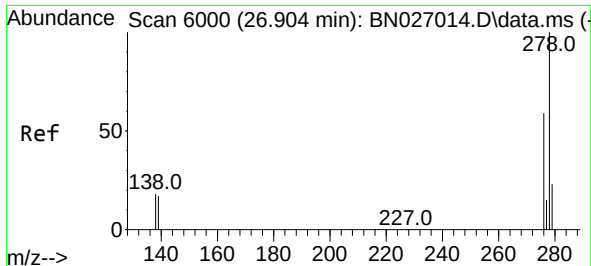


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.334 ng/ul
RT: 26.871 min Scan# 5990
Delta R.T. -0.014 min
Lab File: BN027019.D
Acq: 22 Aug 2023 08:31



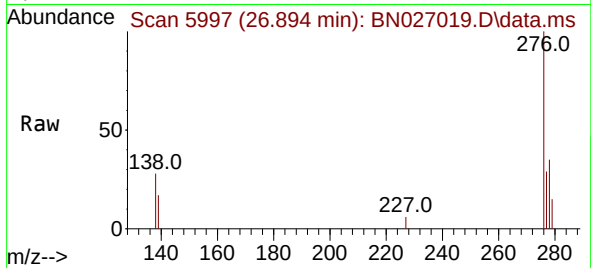
Tgt Ion:276 Resp: 40426
Ion Ratio Lower Upper
276 100
138 22.0 21.6 32.4
227 0.1 0.0 0.0





#28
Dibenzo(a,h)anthracene
Concen: 0.106 ng/ul
RT: 26.894 min Scan# 5997
Delta R.T. -0.027 min
Lab File: BN027019.D
Acq: 22 Aug 2023 08:31

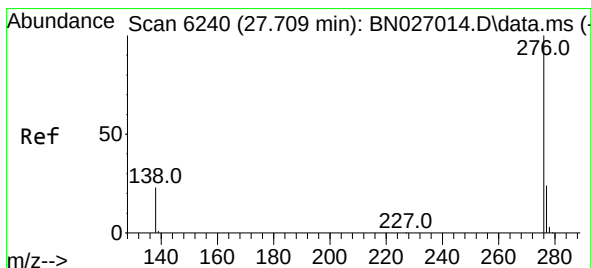
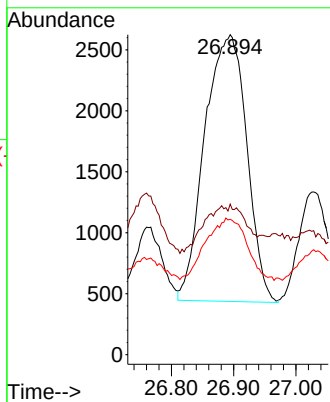
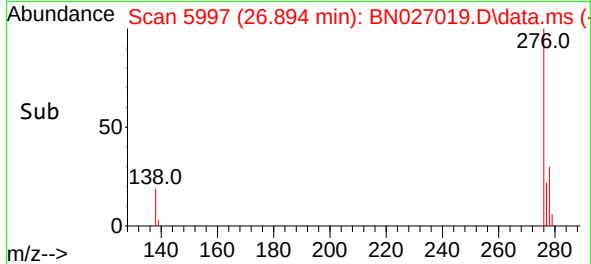
Instrument :
BNA_N
ClientSampleId :
A48N7



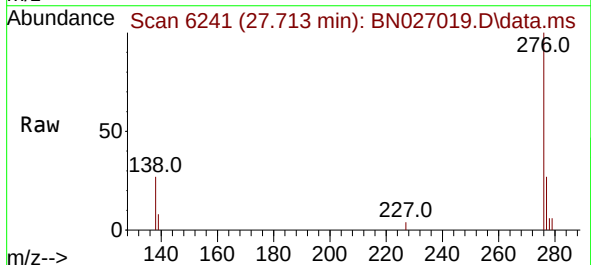
Tgt Ion: 278 Resp: 1024
Ion Ratio Lower Upper
278 100
139 47.0 15.7 23.5
279 42.3 20.2 30.4

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 08/22/2023
Supervised By : mohammad ahmed 08/22/2023



#29
Benzo(g,h,i)perylene
Concen: 0.384 ng/ul
RT: 27.713 min Scan# 6241
Delta R.T. -0.011 min
Lab File: BN027019.D
Acq: 22 Aug 2023 08:31



Tgt Ion: 276 Resp: 38728
Ion Ratio Lower Upper
276 100
138 27.4 19.3 28.9
277 27.2 19.8 29.8

