

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
 Data File : BN027018.D
 Acq On : 22 Aug 2023 07:54
 Operator : MA/JU
 Sample : 03968-03MSD
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48H4MSD

Quant Time: Aug 22 08:23:07 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

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.097	152	9905	0.400	ng/ul	0.00
4) Naphthalene-d8	10.927	136	31108	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.726	164	18419	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.472	188	41737	0.400	ng/ul	0.00
17) Chrysene-d12	21.644	240	33912	0.400	ng/ul	# 0.00
23) Perylene-d12	24.187	264	33765	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	5274	0.449	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.500	152	16419	0.359	ng/ul	0.00
18) Fluoranthene-d10	19.487	212	40108	0.375	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.477	88	11830	0.985	ng/ul	98
5) Naphthalene	10.977	128	34191	0.389	ng/ul	100
7) 2-Methylnaphthalene	12.572	142	19975	0.375	ng/ul	100
8) 1-Methylnaphthalene	12.786	142	20030	0.359	ng/ul	100
10) Acenaphthylene	14.453	152	50854	0.493	ng/ul	99
11) Acenaphthene	14.786	153	25958	0.363	ng/ul	99
12) Fluorene	15.772	166	31061	0.384	ng/ul	99
14) Pentachlorophenol	17.096	266	5470	0.463	ng/ul	99
15) Phenanthrene	17.514	178	341852	2.493	ng/ul	99
16) Anthracene	17.603	178	82143	0.663	ng/ul	100
19) Fluoranthene	19.520	202	945012	6.709	ng/ul	99
20) Pyrene	19.882	202	841519	5.599	ng/ul	99
21) Benzo(a)anthracene	21.626	228	401231	2.975	ng/ul	99
22) Chrysene	21.682	228	490940	3.688	ng/ul	98
24) Benzo(b)fluoranthene	23.398	252	634261m	4.966	ng/ul	
25) Benzo(k)fluoranthene	23.450	252	249492m	1.981	ng/ul	
26) Benzo(a)pyrene	24.070	252	377603	3.277	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.874	276	292850	1.943	ng/ul#	93
28) Dibenzo(a,h)anthracene	26.897	278	83285	0.693	ng/ul	94
29) Benzo(g,h,i)perylene	27.716	276	274544	2.187	ng/ul	99

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

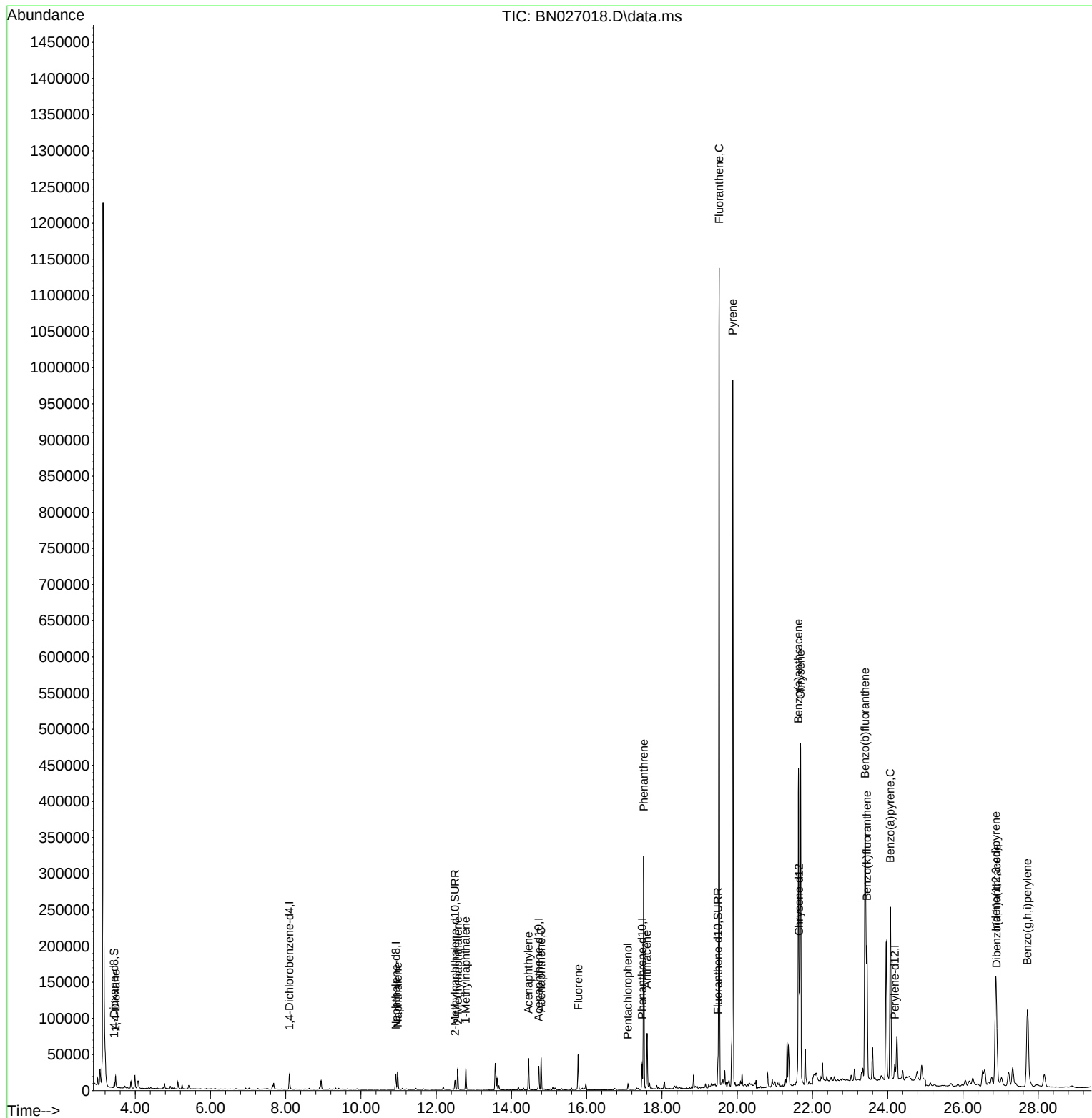
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
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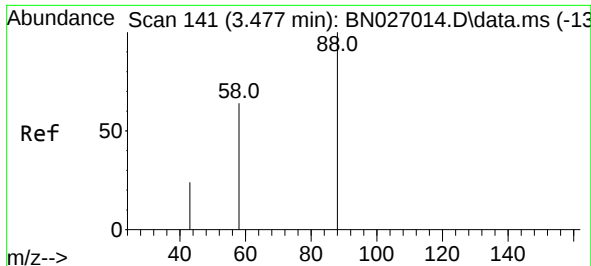
Instrument :
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A48H4MSD

Quant Time: Aug 22 08:23:07 2023
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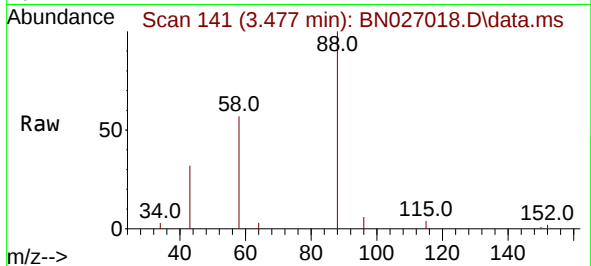
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023





#2
1,4-Dioxane
Concen: 0.985 ng/ul
RT: 3.477 min Scan# 141
Delta R.T. 0.000 min
Lab File: BN027018.D
Acq: 22 Aug 2023 07:54

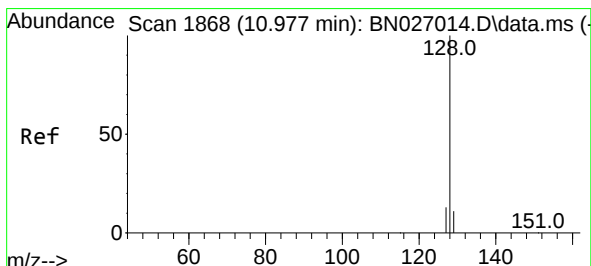
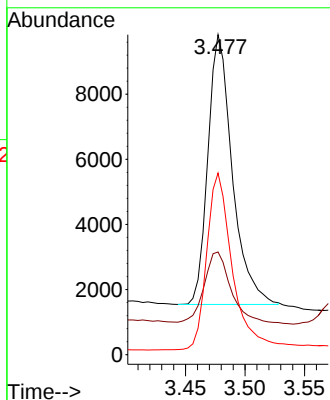
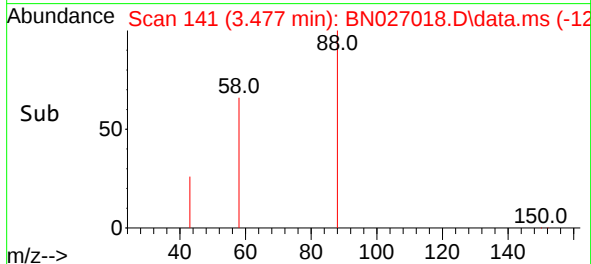
Instrument :
BNA_N
ClientSampleId :
A48H4MSD



Tgt Ion: 88 Resp: 11830
Ion Ratio Lower Upper
88 100
43 32.1 28.0 42.0
58 56.8 46.0 69.0

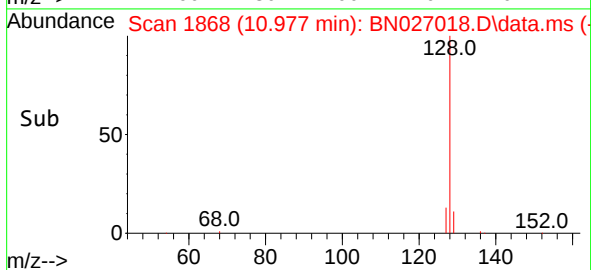
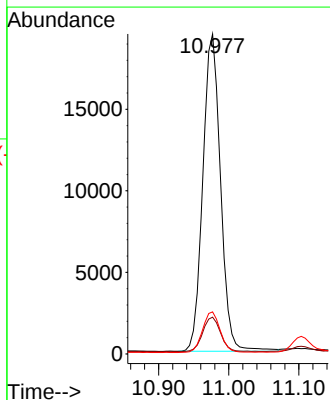
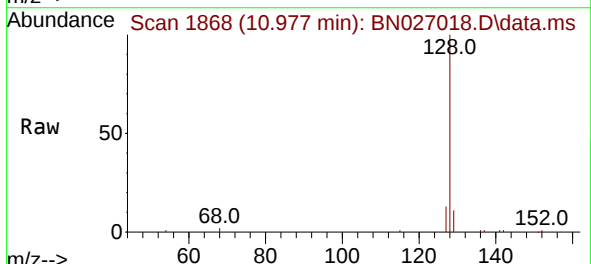
Manual Integrations
APPROVED

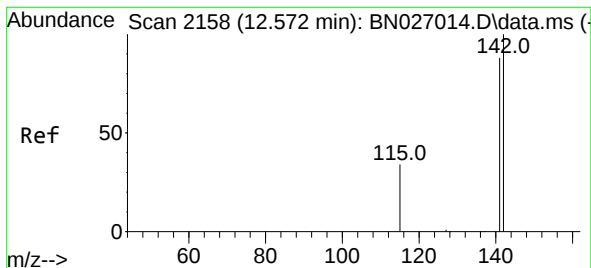
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#5
Naphthalene
Concen: 0.389 ng/ul
RT: 10.977 min Scan# 1868
Delta R.T. -0.005 min
Lab File: BN027018.D
Acq: 22 Aug 2023 07:54

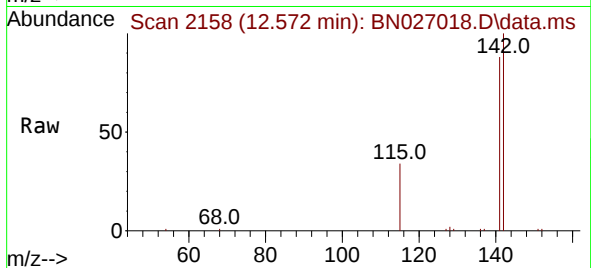
Tgt Ion:128 Resp: 34191
Ion Ratio Lower Upper
128 100
129 11.5 9.2 13.8
127 13.1 10.5 15.7





#7
2-Methylnaphthalene
Concen: 0.375 ng/ul
RT: 12.572 min Scan# 2158
Delta R.T. -0.005 min
Lab File: BN027018.D
Acq: 22 Aug 2023 07:54

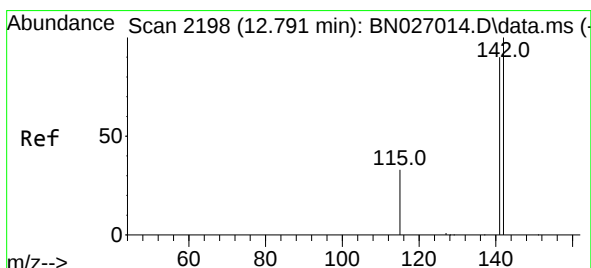
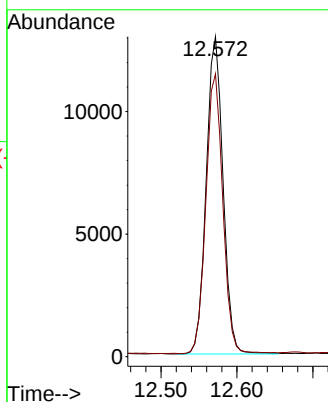
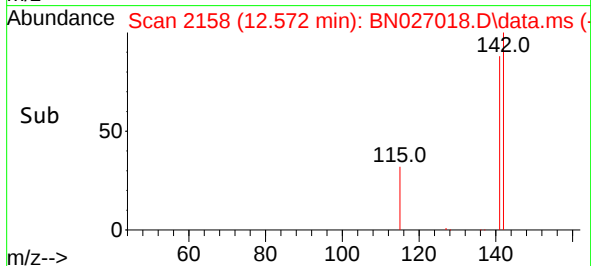
Instrument :
BNA_N
ClientSampleId :
A48H4MSD



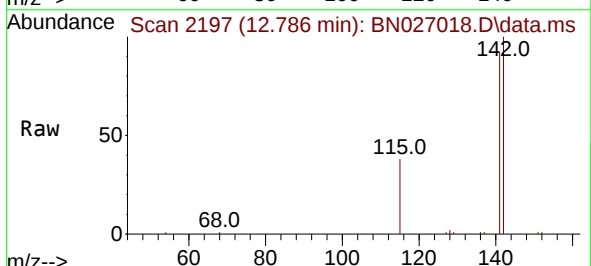
Tgt Ion:142 Resp: 1997
Ion Ratio Lower Upper
142 100
141 88.7 70.9 106.3

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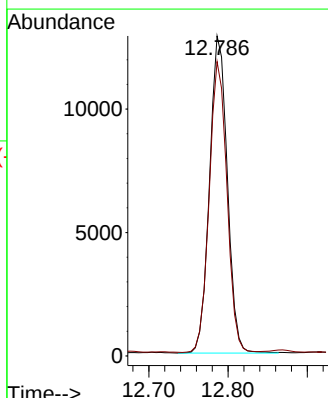
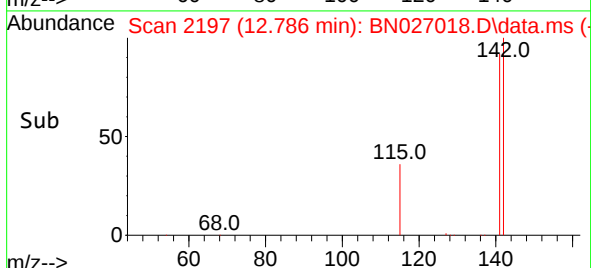
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

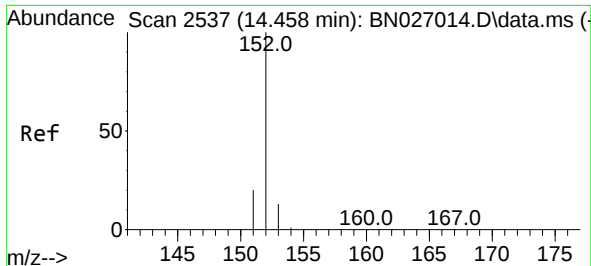


#8
1-Methylnaphthalene
Concen: 0.359 ng/ul
RT: 12.786 min Scan# 2197
Delta R.T. -0.005 min
Lab File: BN027018.D
Acq: 22 Aug 2023 07:54



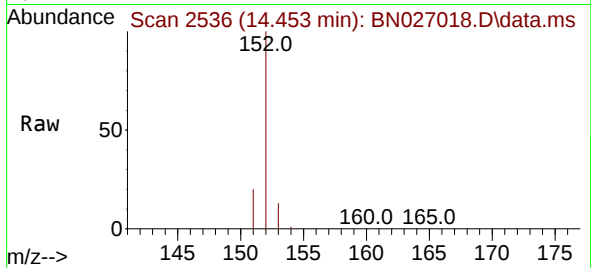
Tgt Ion:142 Resp: 20030
Ion Ratio Lower Upper
142 100
141 91.3 73.2 109.8





#10
Acenaphthylene
Concen: 0.493 ng/ul
RT: 14.453 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN027018.D
Acq: 22 Aug 2023 07:54

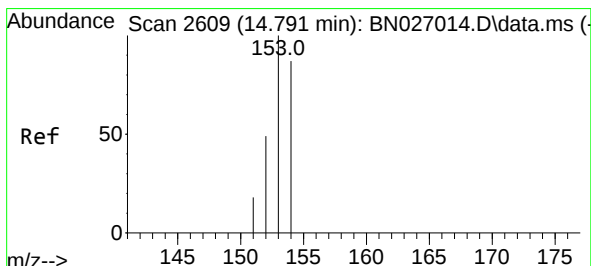
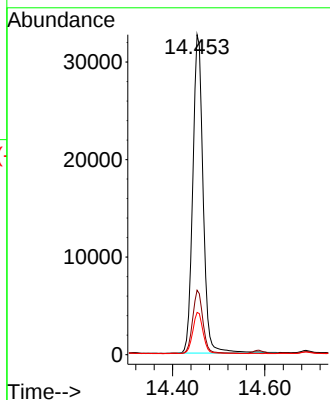
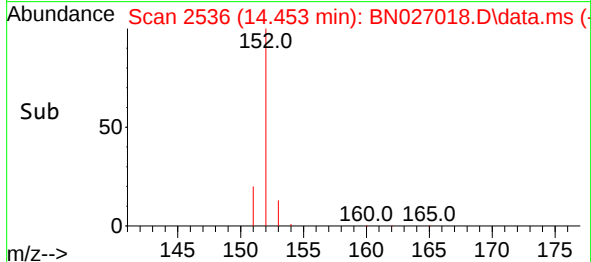
Instrument :
BNA_N
ClientSampleId :
A48H4MSD



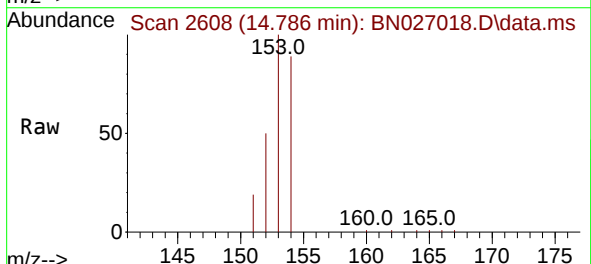
Tgt Ion:152 Resp: 50854
Ion Ratio Lower Upper
152 100
151 20.1 15.9 23.9
153 13.2 11.0 16.6

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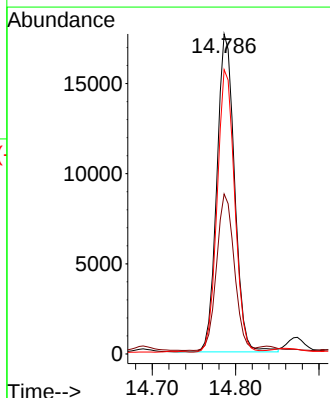
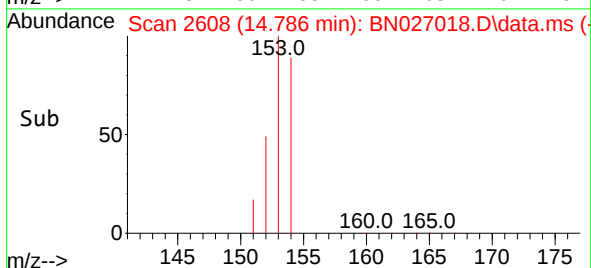
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

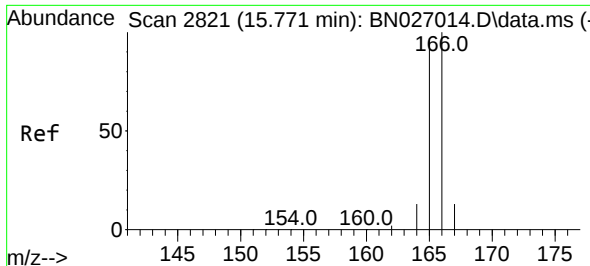


#11
Acenaphthene
Concen: 0.363 ng/ul
RT: 14.786 min Scan# 2608
Delta R.T. -0.005 min
Lab File: BN027018.D
Acq: 22 Aug 2023 07:54



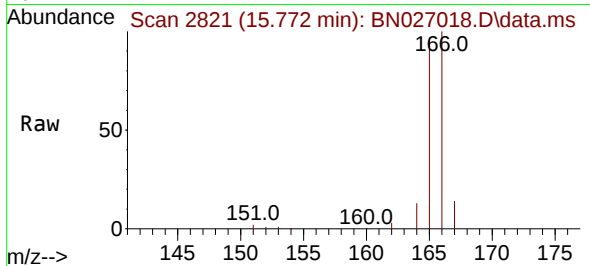
Tgt Ion:153 Resp: 25958
Ion Ratio Lower Upper
153 100
152 50.0 41.1 61.7
154 88.8 71.6 107.4





#12
Fluorene
Concen: 0.384 ng/ul
RT: 15.772 min Scan# 2821
Delta R.T. 0.000 min
Lab File: BN027018.D
Acq: 22 Aug 2023 07:54

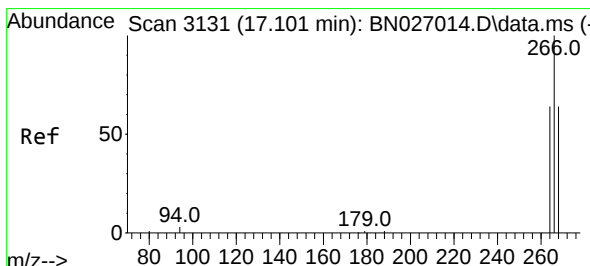
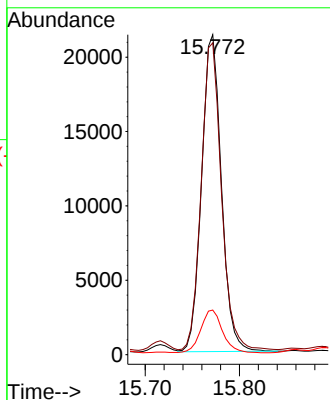
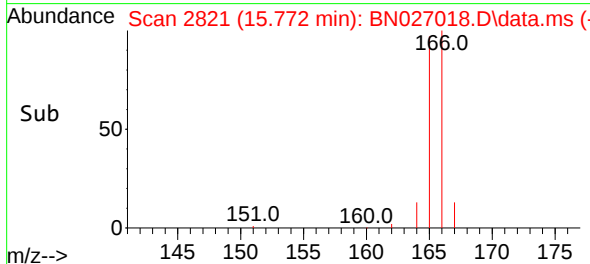
Instrument :
BNA_N
ClientSampleId :
A48H4MSD



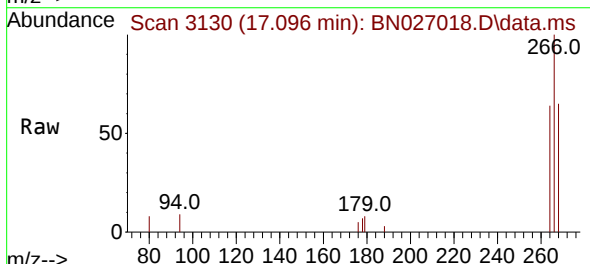
Tgt Ion:166 Resp: 3106
Ion Ratio Lower Upper
166 100
165 97.5 79.1 118.7
167 14.0 11.4 17.0

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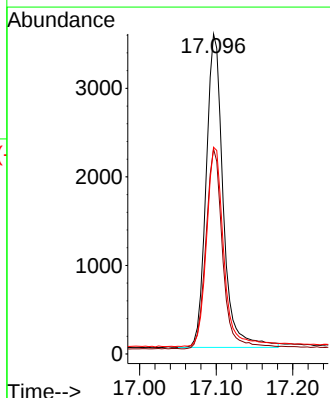
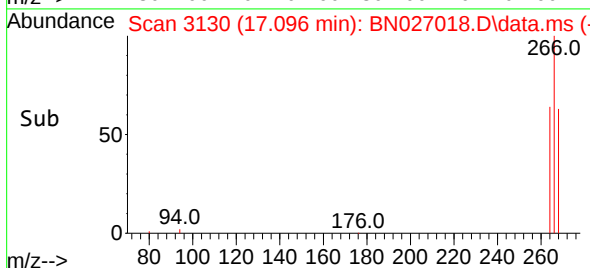
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

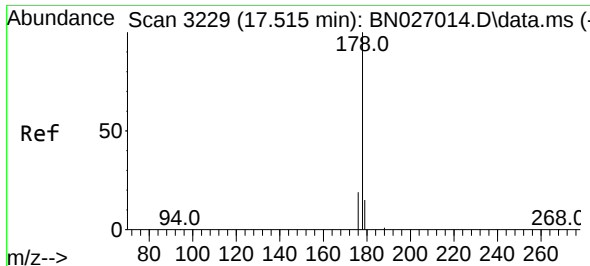


#14
Pentachlorophenol
Concen: 0.463 ng/ul
RT: 17.096 min Scan# 3130
Delta R.T. -0.005 min
Lab File: BN027018.D
Acq: 22 Aug 2023 07:54



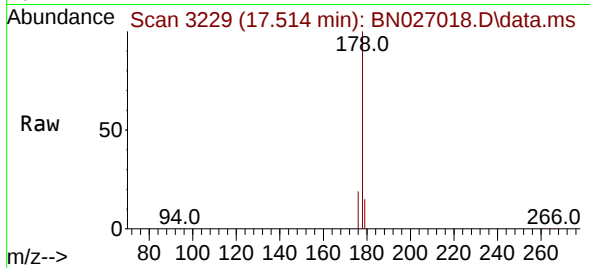
Tgt Ion:266 Resp: 5470
Ion Ratio Lower Upper
266 100
264 63.2 50.4 75.6
268 64.6 51.2 76.8





#15
Phenanthrene
Concen: 2.493 ng/ul
RT: 17.514 min Scan# 31
Delta R.T. -0.005 min
Lab File: BN027018.D
Acq: 22 Aug 2023 07:54

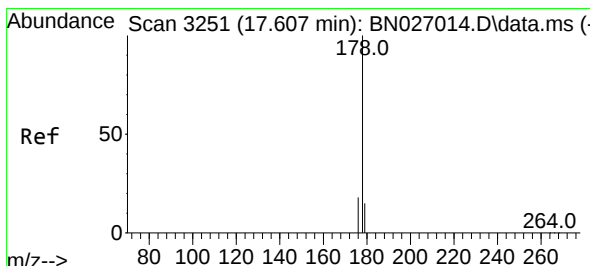
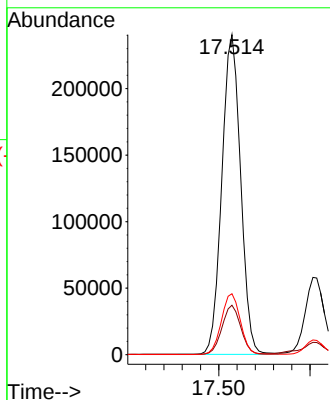
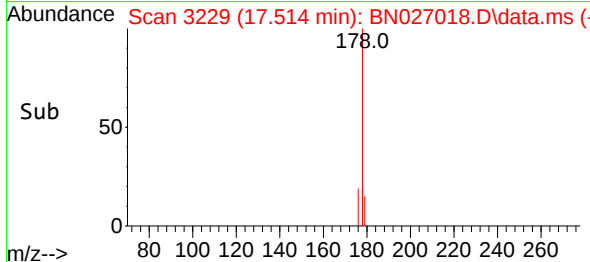
Instrument :
BNA_N
ClientSampleId :
A48H4MSD



Tgt Ion:178 Resp: 341852
Ion Ratio Lower Upper
178 100
179 15.5 12.6 18.8
176 19.0 15.4 23.2

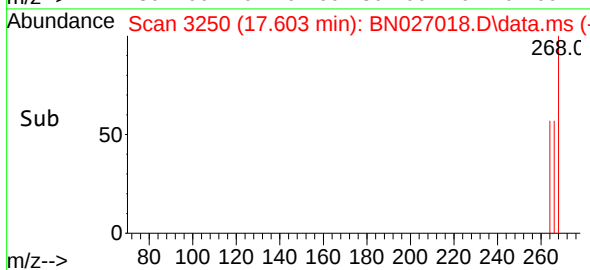
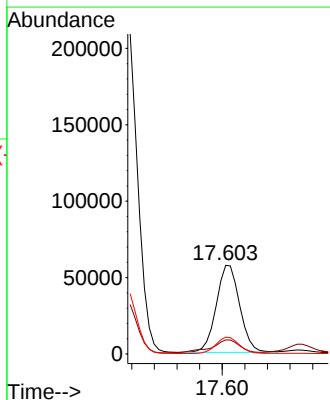
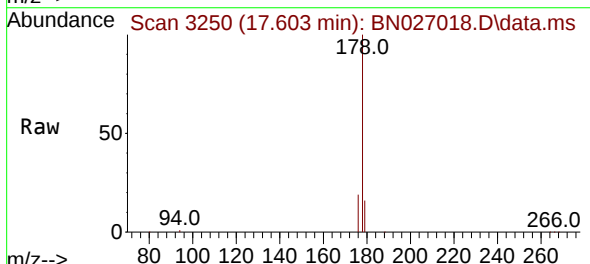
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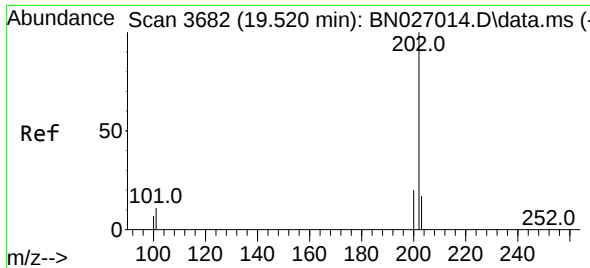
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#16
Anthracene
Concen: 0.663 ng/ul
RT: 17.603 min Scan# 3250
Delta R.T. -0.005 min
Lab File: BN027018.D
Acq: 22 Aug 2023 07:54

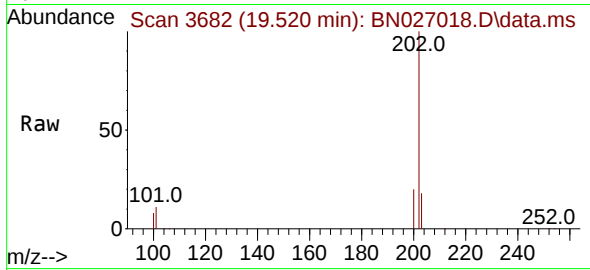
Tgt Ion:178 Resp: 82143
Ion Ratio Lower Upper
178 100
179 15.9 12.6 19.0
176 19.0 15.0 22.6





#19
Fluoranthene
Concen: 6.709 ng/u1
RT: 19.520 min Scan# 3682
Delta R.T. -0.005 min
Lab File: BN027018.D
Acq: 22 Aug 2023 07:54

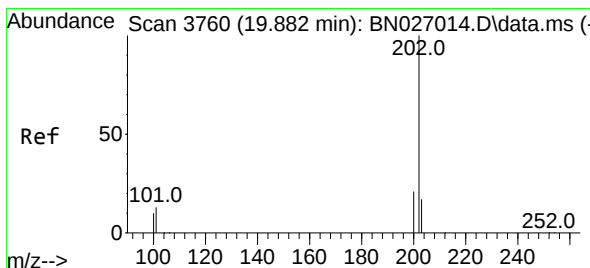
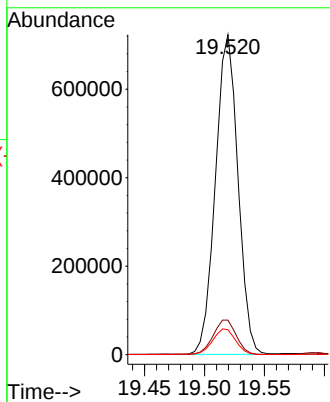
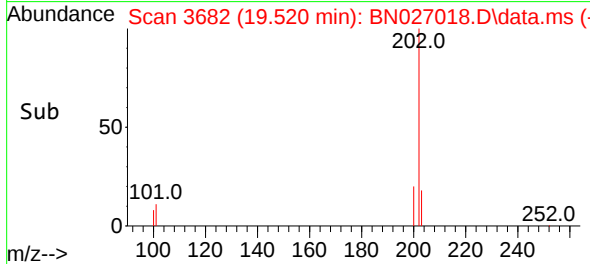
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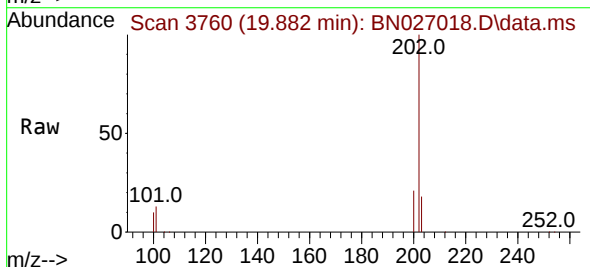
Tgt Ion:202 Resp: 945012
Ion Ratio Lower Upper
202 100
101 10.8 8.3 12.5
100 7.8 6.2 9.2

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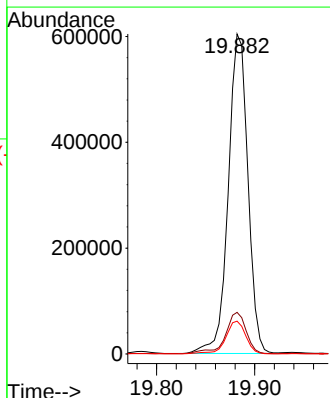
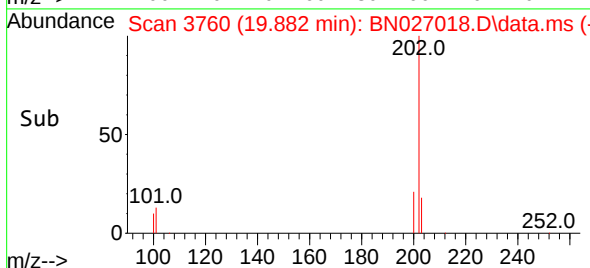
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

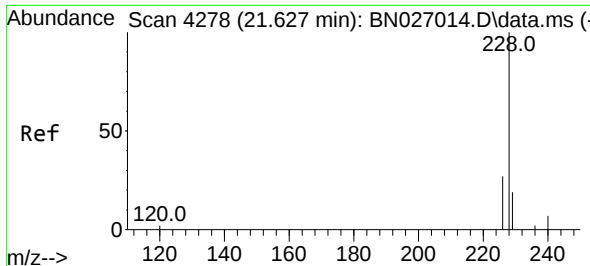


#20
Pyrene
Concen: 5.599 ng/u1
RT: 19.882 min Scan# 3760
Delta R.T. -0.005 min
Lab File: BN027018.D
Acq: 22 Aug 2023 07:54



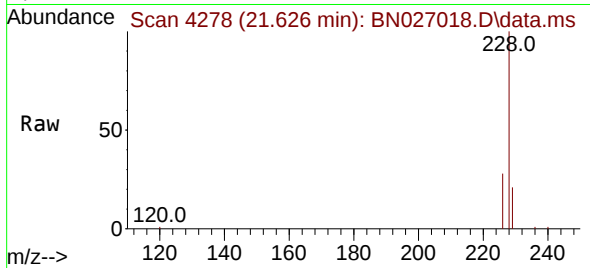
Tgt Ion:202 Resp: 841519
Ion Ratio Lower Upper
202 100
101 13.0 10.7 16.1
100 10.3 8.5 12.7





#21
Benzo(a)anthracene
Concen: 2.975 ng/u1
RT: 21.626 min Scan# 4123
Delta R.T. -0.006 min
Lab File: BN027018.D
Acq: 22 Aug 2023 07:54

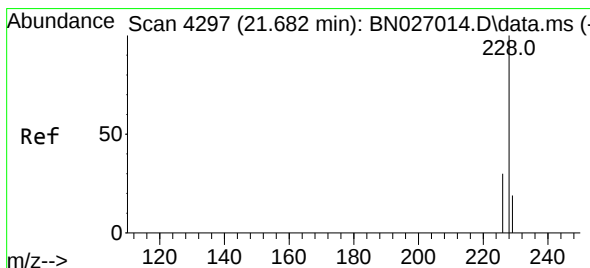
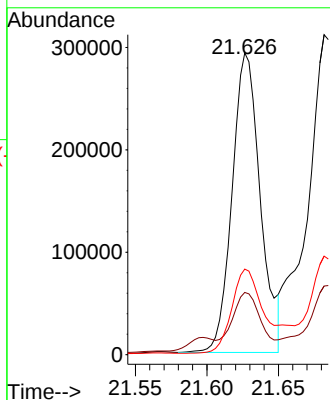
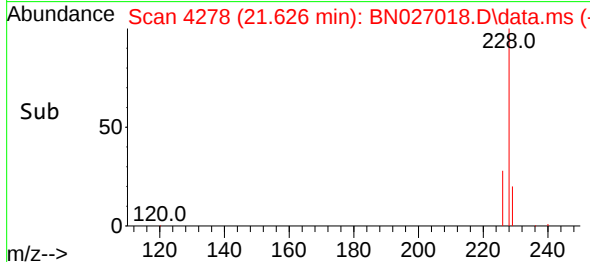
Instrument :
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ClientSampleId :
A48H4MSD



Tgt Ion:228 Resp: 40123
Ion Ratio Lower Upper
228 100
229 20.6 16.0 24.0
226 28.4 22.2 33.2

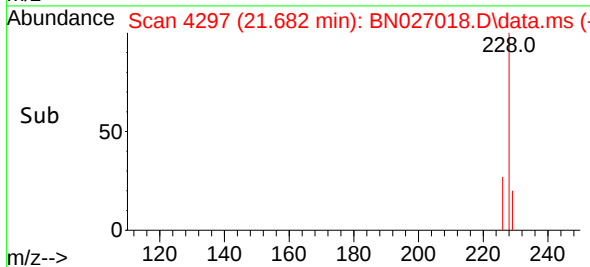
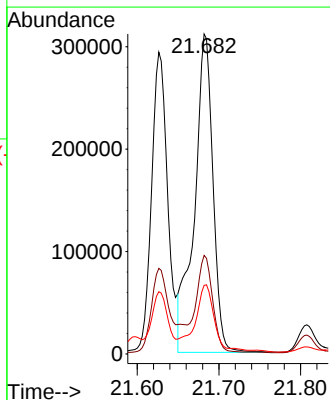
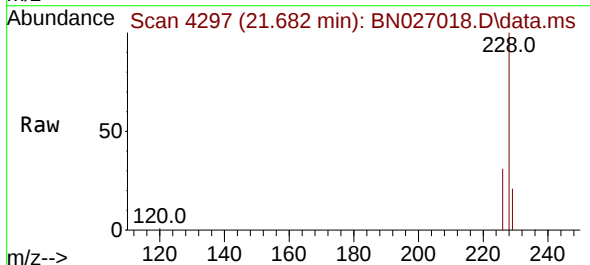
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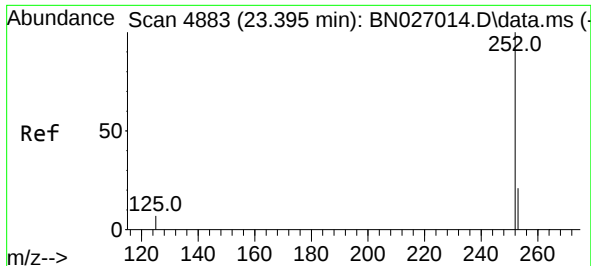
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#22
Chrysene
Concen: 3.688 ng/u1
RT: 21.682 min Scan# 4297
Delta R.T. -0.009 min
Lab File: BN027018.D
Acq: 22 Aug 2023 07:54

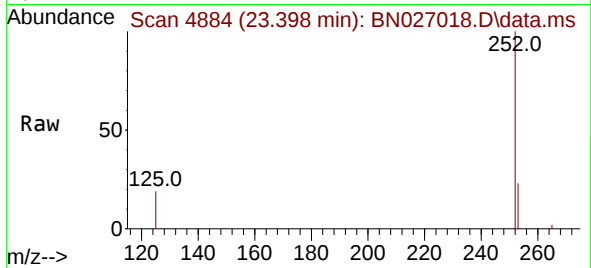
Tgt Ion:228 Resp: 490940
Ion Ratio Lower Upper
228 100
226 30.8 24.6 36.8
229 21.5 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 4.966 ng/ul m
RT: 23.398 min Scan# 4883
Delta R.T. -0.009 min
Lab File: BN027018.D
Acq: 22 Aug 2023 07:54

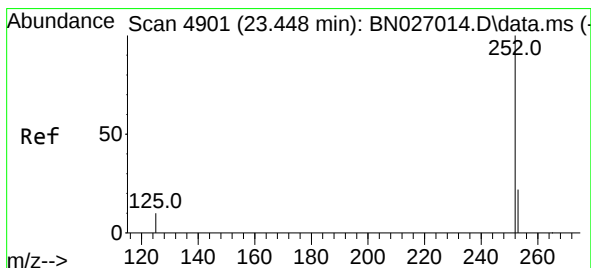
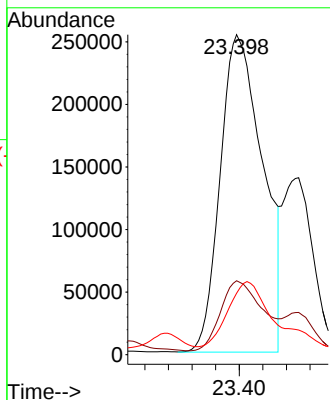
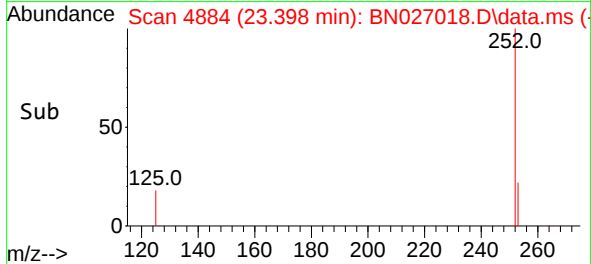
Instrument :
BNA_N
ClientSampleId :
A48H4MSD



Tgt Ion:252 Resp: 63426
Ion Ratio Lower Upper
252 100
253 23.1 0.0 46.8
125 19.2 0.0 25.2

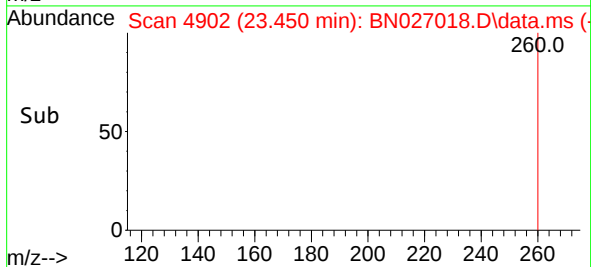
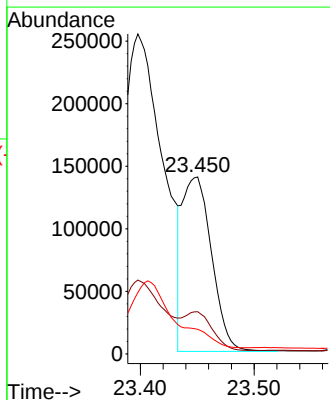
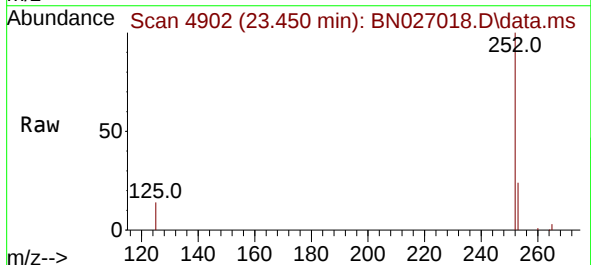
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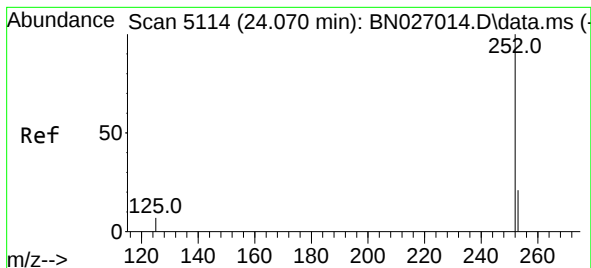
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#25
Benzo(k)fluoranthene
Concen: 1.981 ng/ul m
RT: 23.450 min Scan# 4902
Delta R.T. -0.009 min
Lab File: BN027018.D
Acq: 22 Aug 2023 07:54

Tgt Ion:252 Resp: 249492
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.4
125 13.9 9.9 14.9





#26

Benzo(a)pyrene

Concen: 3.277 ng/ul

RT: 24.070 min Scan# 5114

Delta R.T. -0.015 min

Lab File: BN027018.D

Acq: 22 Aug 2023 07:54

Instrument :

BNA_N

ClientSampleId :

A48H4MSD

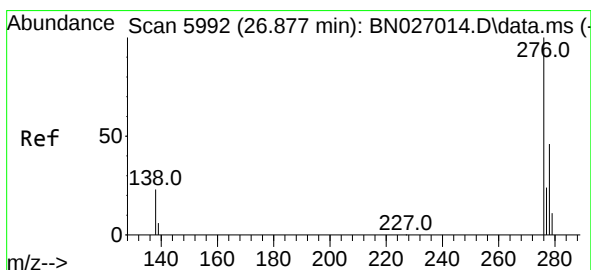
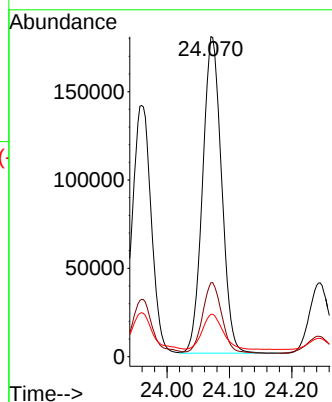
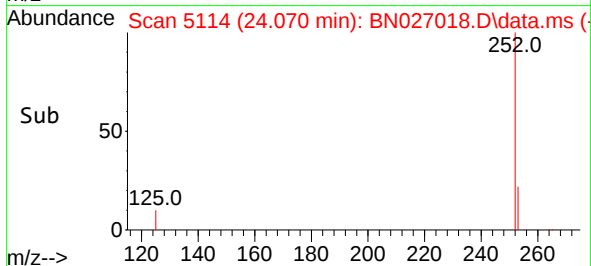
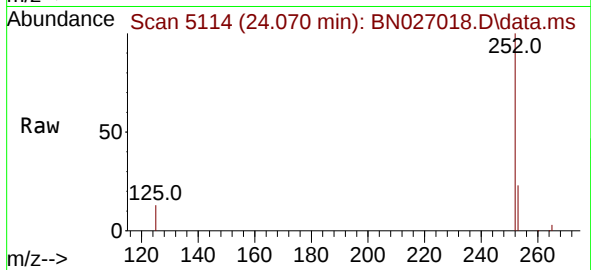
Tgt Ion:	252	Resp:	37760
Ion Ratio	Lower	Upper	
252	100		
253	23.1	19.0	28.6
125	13.2	11.4	17.0

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: 1.943 ng/ul

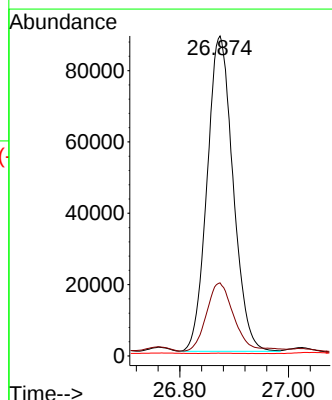
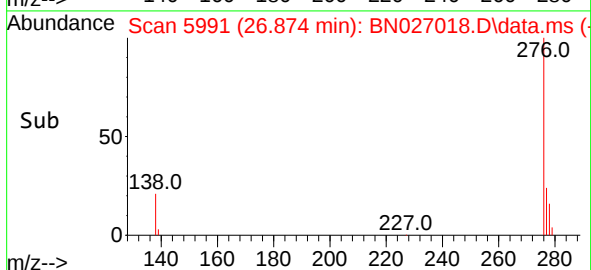
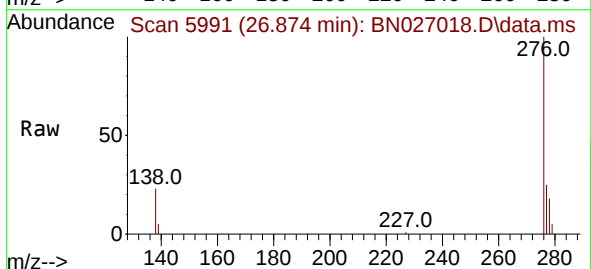
RT: 26.874 min Scan# 5991

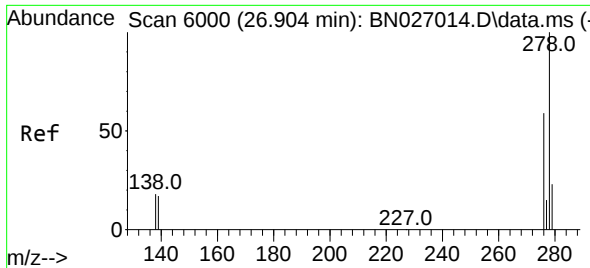
Delta R.T. -0.011 min

Lab File: BN027018.D

Acq: 22 Aug 2023 07:54

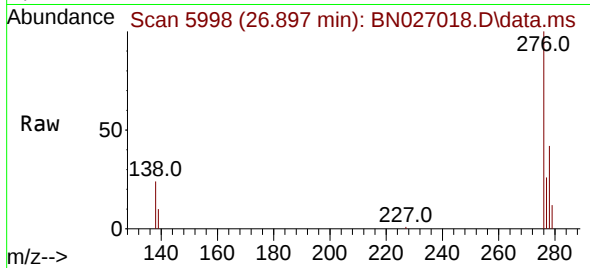
Tgt Ion:	276	Resp:	292850
Ion Ratio	Lower	Upper	
276	100		
138	23.6	21.6	32.4
227	0.1	0.0	0.0





#28
Dibenzo(a,h)anthracene
Concen: 0.693 ng/ul
RT: 26.897 min Scan# 5998
Delta R.T. -0.024 min
Lab File: BN027018.D
Acq: 22 Aug 2023 07:54

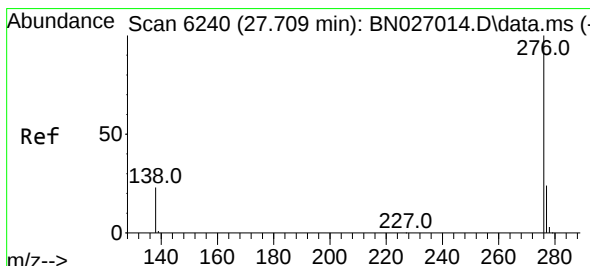
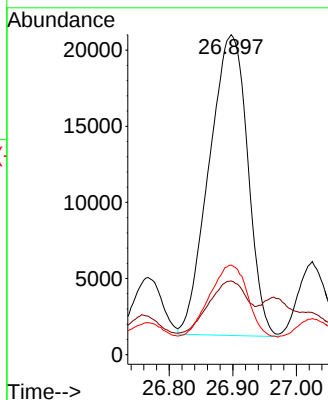
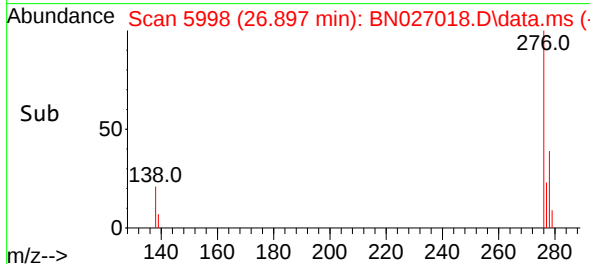
Instrument :
BNA_N
ClientSampleId :
A48H4MSD



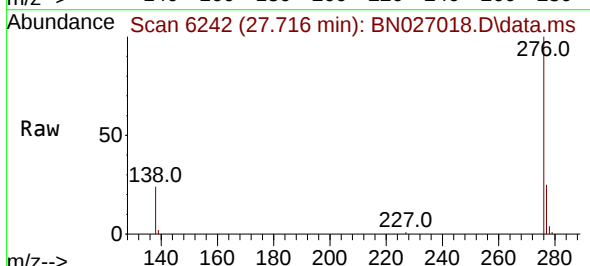
Tgt Ion:278 Resp: 8328
Ion Ratio Lower Upper
278 100
139 23.1 15.7 23.5
279 28.0 20.2 30.4

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 2.187 ng/ul
RT: 27.716 min Scan# 6242
Delta R.T. -0.007 min
Lab File: BN027018.D
Acq: 22 Aug 2023 07:54



Tgt Ion:276 Resp: 274544
Ion Ratio Lower Upper
276 100
138 23.6 19.3 28.9
277 24.5 19.8 29.8

