

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
 Data File : BN027016.D
 Acq On : 22 Aug 2023 06:42
 Operator : MA/JU
 Sample : 03968-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48H4

Manual Integrations
 APPROVED

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

Quant Time: Aug 22 07:10:20 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	7768	0.400	ng/ul	0.00
4) Naphthalene-d8	10.927	136	25411	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.726	164	14804	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.473	188	32665	0.400	ng/ul	0.00
17) Chrysene-d12	21.644	240	26588	0.400	ng/ul	# 0.00
23) Perylene-d12	24.188	264	23242	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	44603	4.837	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.500	152	9859	0.264	ng/ul	0.00
18) Fluoranthene-d10	19.487	212	24253	0.289	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.977	128	25334	0.353	ng/ul	100
7) 2-Methylnaphthalene	12.572	142	12243	0.281	ng/ul	100
8) 1-Methylnaphthalene	12.786	142	10659	0.234	ng/ul	99
10) Acenaphthylene	14.453	152	36475	0.440	ng/ul	99
11) Acenaphthene	14.791	153	38779	0.676	ng/ul	99
12) Fluorene	15.772	166	56086	0.864	ng/ul	99
15) Phenanthrene	17.515	178	817710	7.620	ng/ul	100
16) Anthracene	17.608	178	175507	1.810	ng/ul	99
19) Fluoranthene	19.520	202	1221387	11.059	ng/ul	100
20) Pyrene	19.882	202	1061102m	9.004	ng/ul	
21) Benzo(a)anthracene	21.624	228	488570	4.620	ng/ul	100
22) Chrysene	21.682	228	539527m	5.169	ng/ul	
24) Benzo(b)fluoranthene	23.398	252	646472m	7.354	ng/ul	
25) Benzo(k)fluoranthene	23.445	252	213414m	2.461	ng/ul	
26) Benzo(a)pyrene	24.071	252	407708	5.140	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.871	276	254528	2.453	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.894	278	57935	0.700	ng/ul#	90
29) Benzo(g,h,i)perylene	27.709	276	247970	2.870	ng/ul	99

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

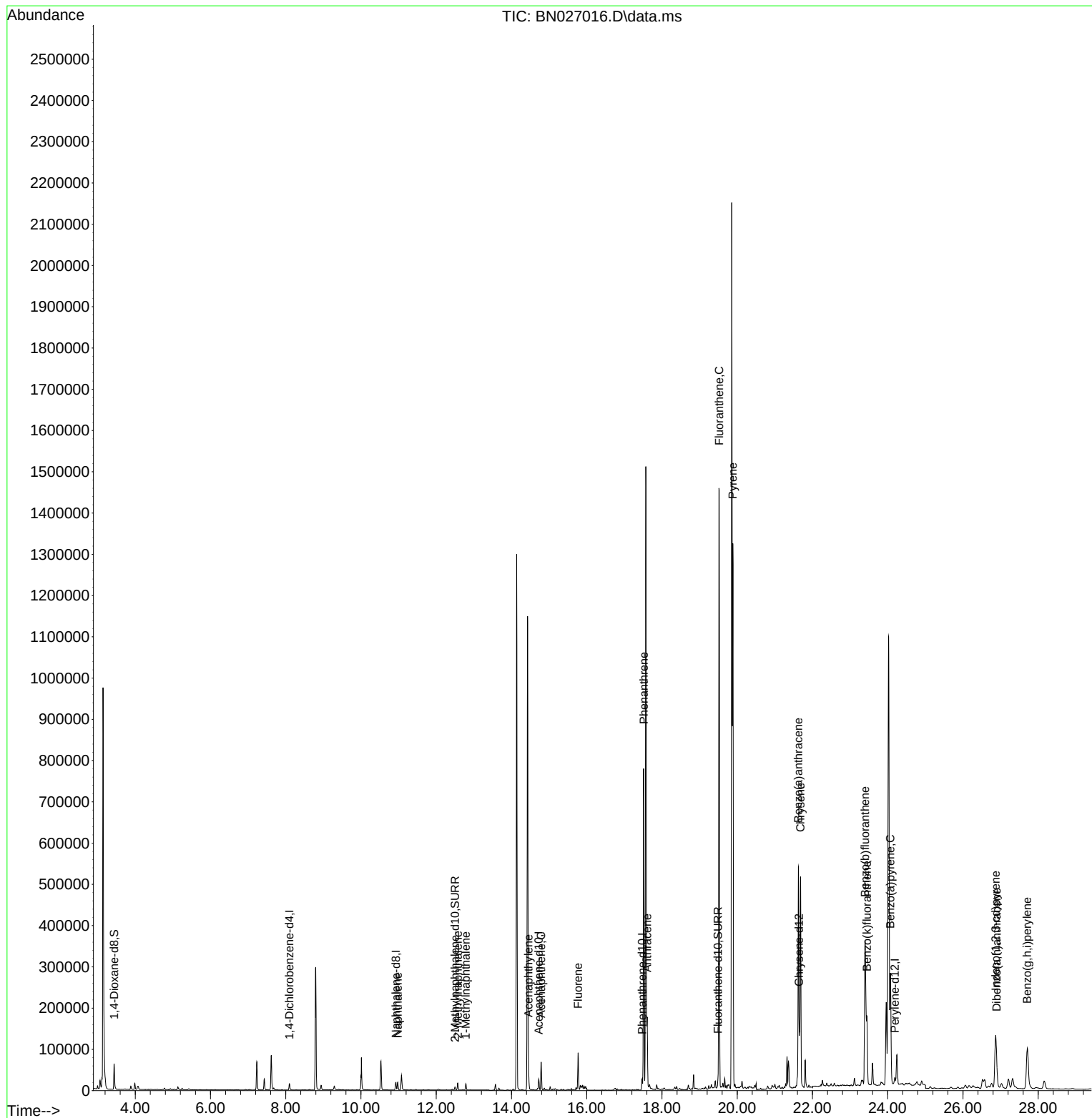
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
Data File : BN027016.D
Acq On : 22 Aug 2023 06:42
Operator : MA/JU
Sample : 03968-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

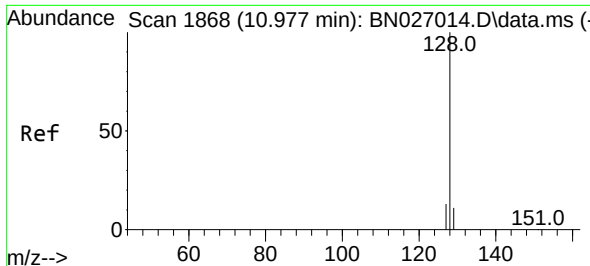
Instrument :
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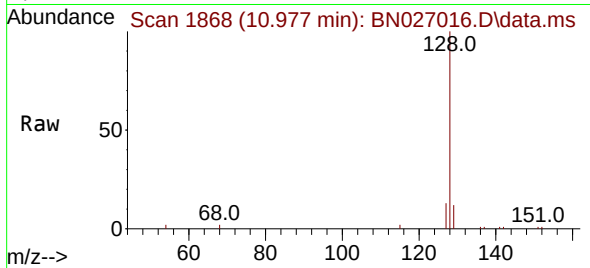
Quant Time: Aug 22 07:10:20 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN080323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 18 13:11:26 2023
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#5
Naphthalene
Concen: 0.353 ng/ul
RT: 10.977 min Scan# 1868
Delta R.T. -0.005 min
Lab File: BN027016.D
Acq: 22 Aug 2023 06:42

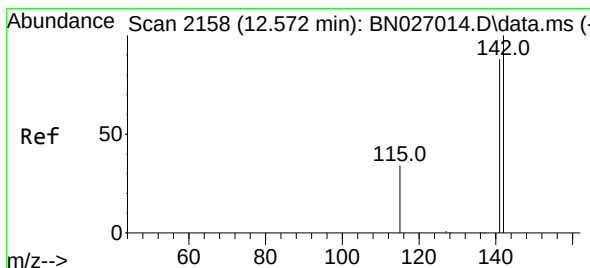
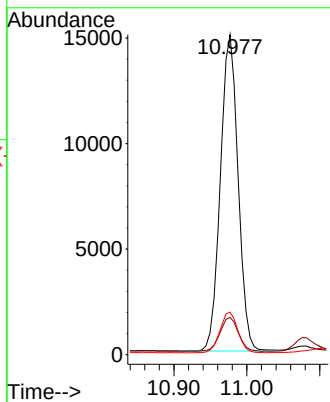
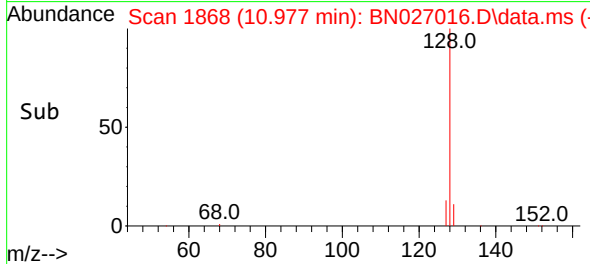
Instrument :
BNA_N
ClientSampleId :
A48H4



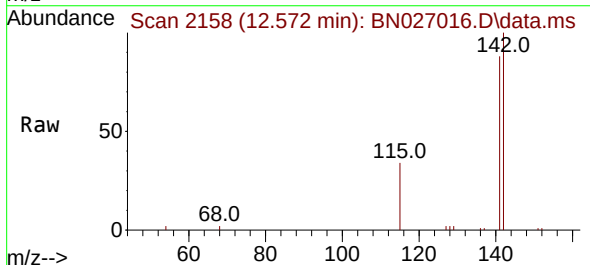
Tgt Ion:128 Resp: 25334
Ion Ratio Lower Upper
128 100
129 11.7 9.2 13.8
127 13.3 10.5 15.7

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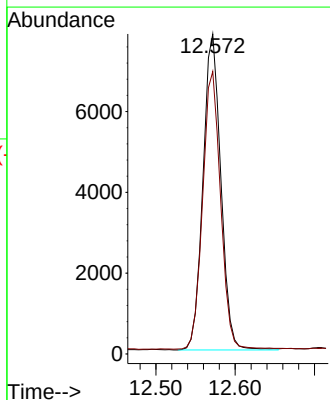
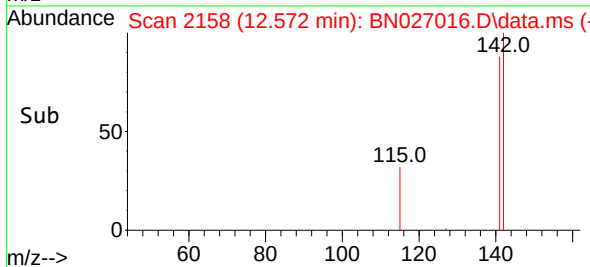
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

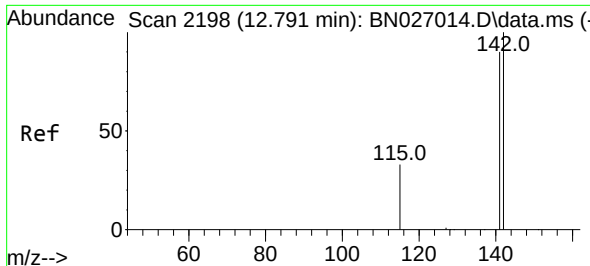


#7
2-Methylnaphthalene
Concen: 0.281 ng/ul
RT: 12.572 min Scan# 2158
Delta R.T. -0.005 min
Lab File: BN027016.D
Acq: 22 Aug 2023 06:42



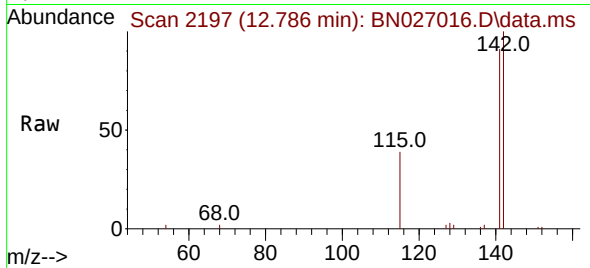
Tgt Ion:142 Resp: 12243
Ion Ratio Lower Upper
142 100
141 88.1 70.9 106.3





#8
1-Methylnaphthalene
Concen: 0.234 ng/ul
RT: 12.786 min Scan# 2197
Delta R.T. -0.005 min
Lab File: BN027016.D
Acq: 22 Aug 2023 06:42

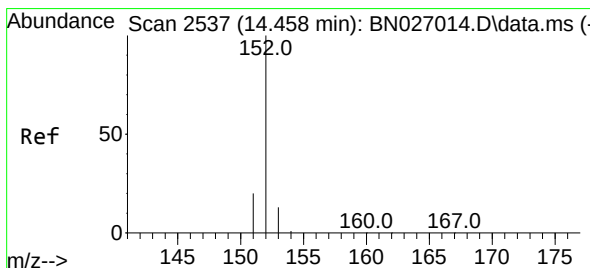
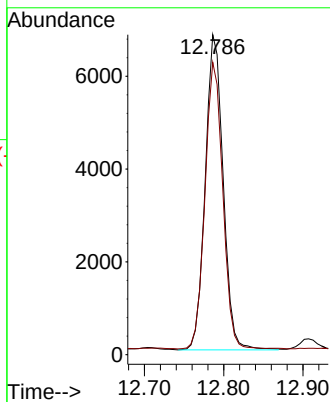
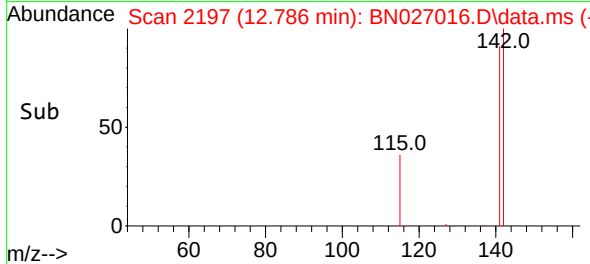
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:142 Resp: 10659
Ion Ratio Lower Upper
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141 90.3 73.2 109.8

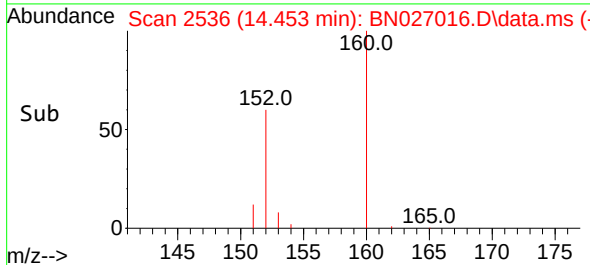
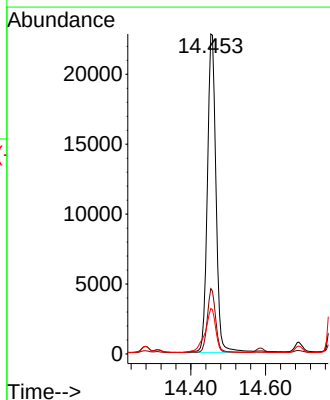
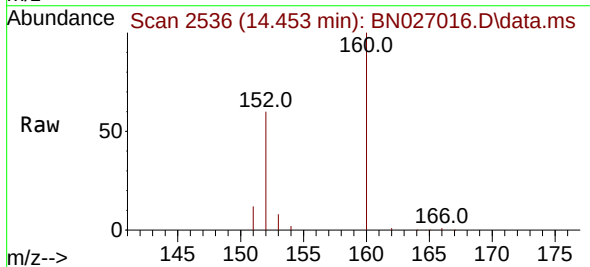
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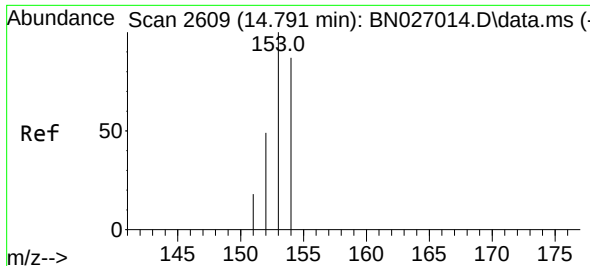
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#10
Acenaphthylene
Concen: 0.440 ng/ul
RT: 14.453 min Scan# 2536
Delta R.T. -0.005 min
Lab File: BN027016.D
Acq: 22 Aug 2023 06:42

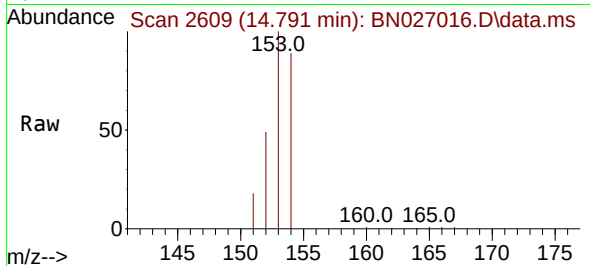
Tgt Ion:152 Resp: 36475
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 14.2 11.0 16.6





#11
Acenaphthene
Concen: 0.676 ng/ul
RT: 14.791 min Scan# 2609
Delta R.T. 0.000 min
Lab File: BN027016.D
Acq: 22 Aug 2023 06:42

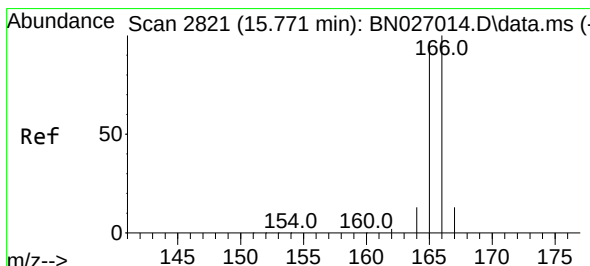
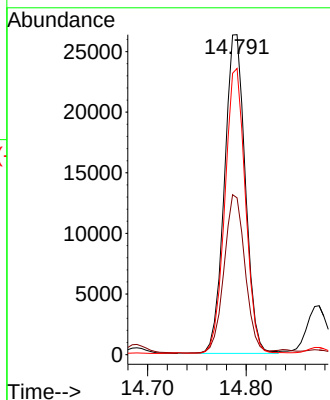
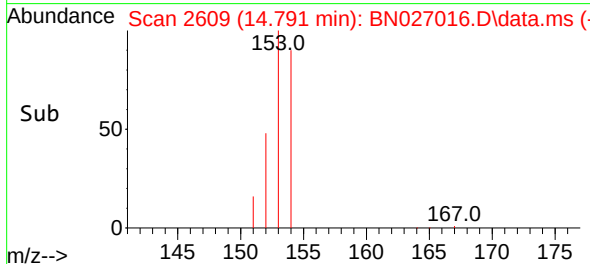
Instrument :
BNA_N
ClientSampleId :
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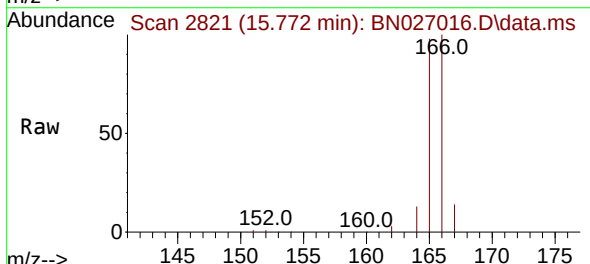
Tgt Ion:153 Resp: 38779
Ion Ratio Lower Upper
153 100
152 49.0 41.1 61.7
154 89.5 71.6 107.4

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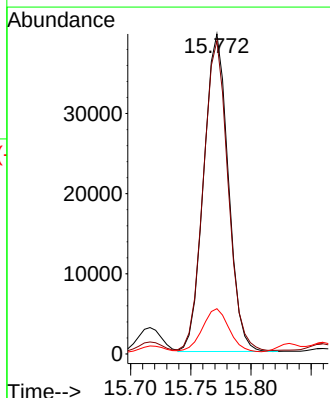
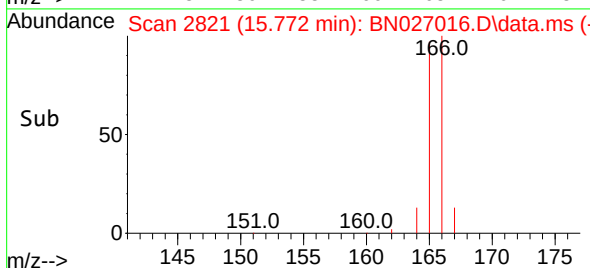
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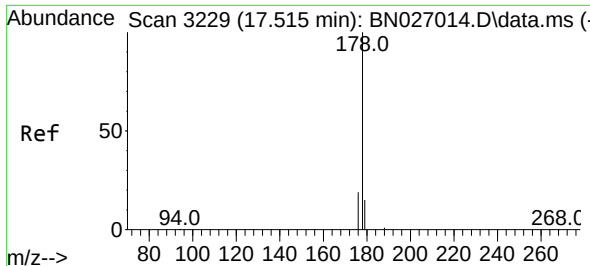


#12
Fluorene
Concen: 0.864 ng/ul
RT: 15.772 min Scan# 2821
Delta R.T. 0.000 min
Lab File: BN027016.D
Acq: 22 Aug 2023 06:42



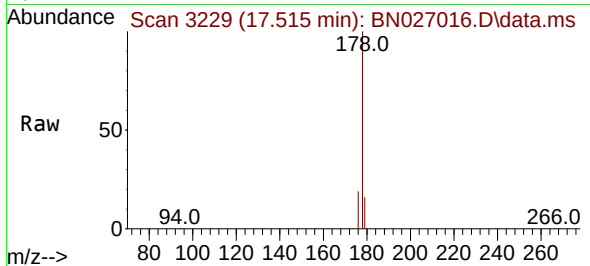
Tgt Ion:166 Resp: 56086
Ion Ratio Lower Upper
166 100
165 97.8 79.1 118.7
167 14.1 11.4 17.0





#15
Phenanthrene
Concen: 7.620 ng/ul
RT: 17.515 min Scan# 31
Delta R.T. -0.004 min
Lab File: BN027016.D
Acq: 22 Aug 2023 06:42

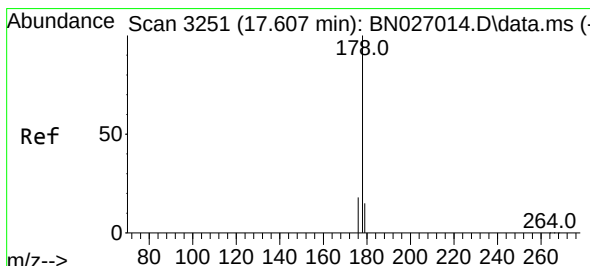
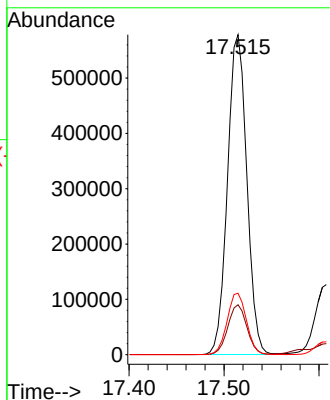
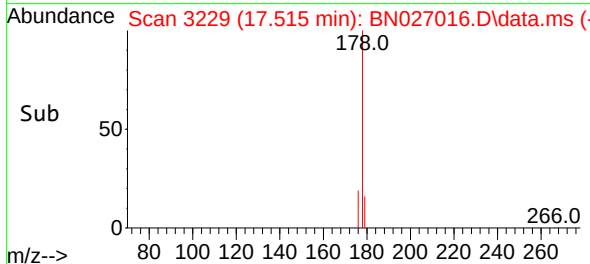
Instrument :
BNA_N
ClientSampleId :
A48H4



Tgt Ion:178 Resp: 817710
Ion Ratio Lower Upper
178 100
179 15.6 12.6 18.8
176 19.2 15.4 23.2

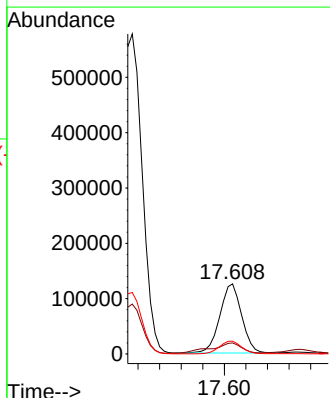
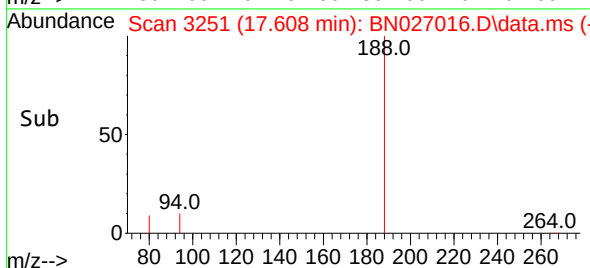
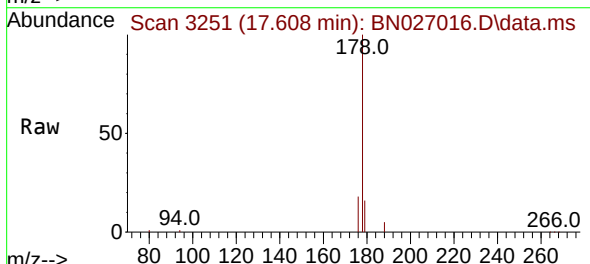
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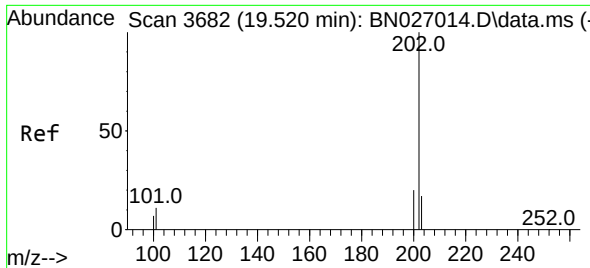
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#16
Anthracene
Concen: 1.810 ng/ul
RT: 17.608 min Scan# 3251
Delta R.T. 0.000 min
Lab File: BN027016.D
Acq: 22 Aug 2023 06:42

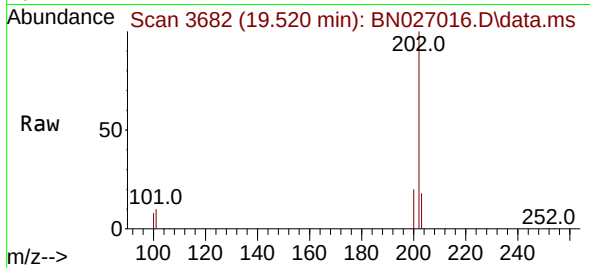
Tgt Ion:178 Resp: 175507
Ion Ratio Lower Upper
178 100
179 15.8 12.6 19.0
176 18.3 15.0 22.6





#19
Fluoranthene
Concen: 11.059 ng/ul
RT: 19.520 min Scan# 3682
Delta R.T. -0.005 min
Lab File: BN027016.D
Acq: 22 Aug 2023 06:42

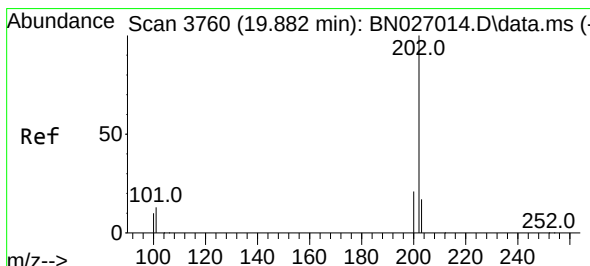
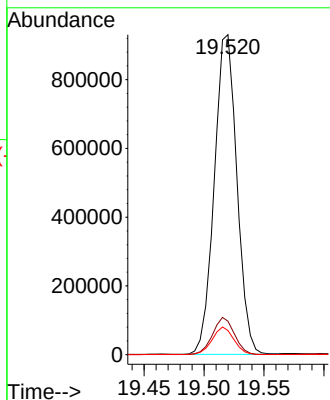
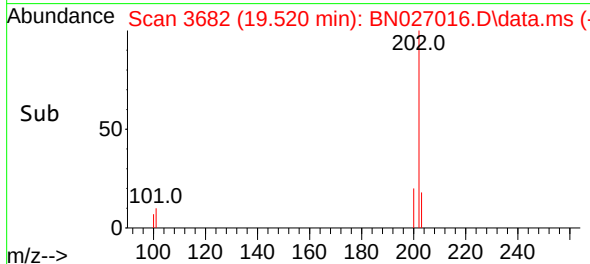
Instrument :
BNA_N
ClientSampleId :
A48H4



Tgt Ion:202 Resp: 122138
Ion Ratio Lower Upper
202 100
101 10.4 8.3 12.5
100 7.5 6.2 9.2

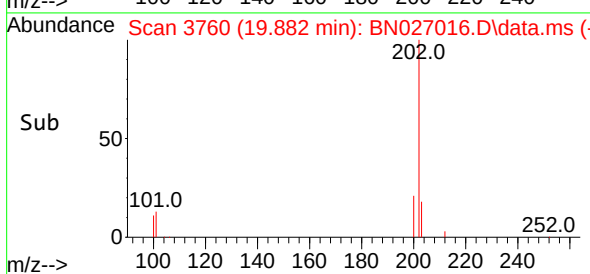
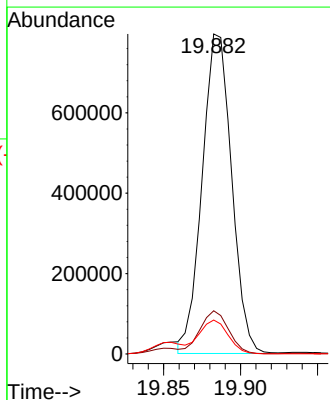
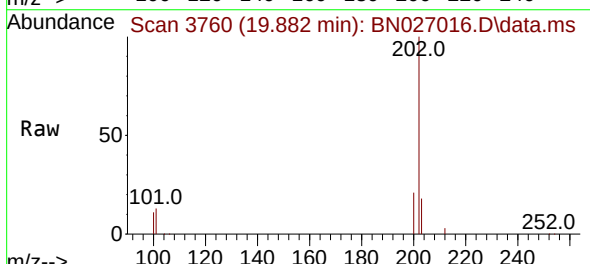
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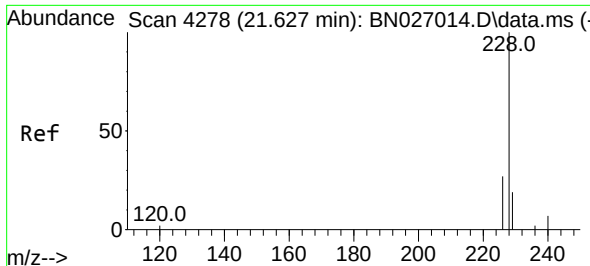
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#20
Pyrene
Concen: 9.004 ng/ul m
RT: 19.882 min Scan# 3760
Delta R.T. -0.005 min
Lab File: BN027016.D
Acq: 22 Aug 2023 06:42

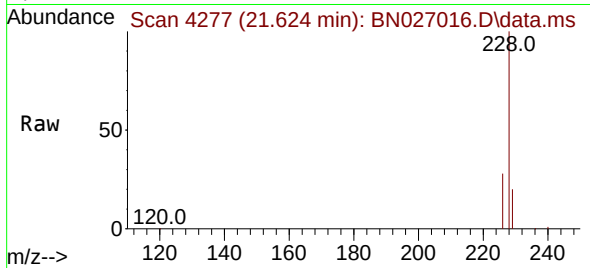
Tgt Ion:202 Resp: 1061102
Ion Ratio Lower Upper
202 100
101 13.5 10.7 16.1
100 10.6 8.5 12.7





#21
Benzo(a)anthracene
Concen: 4.620 ng/ul
RT: 21.624 min Scan# 41
Delta R.T. -0.009 min
Lab File: BN027016.D
Acq: 22 Aug 2023 06:42

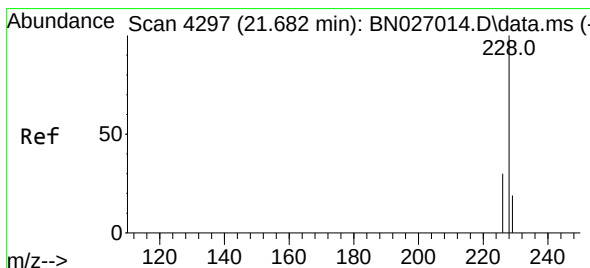
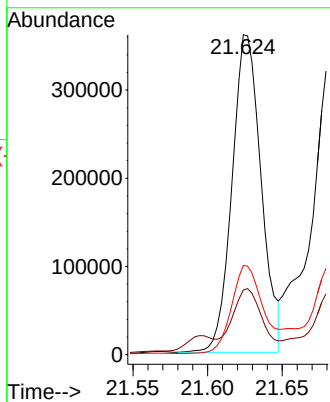
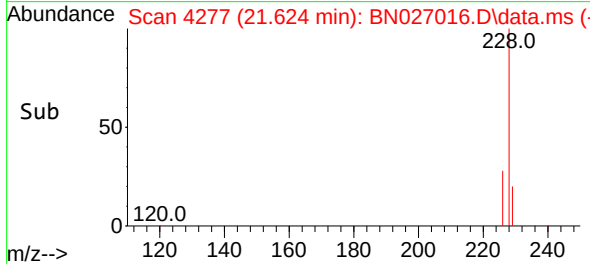
Instrument :
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Tgt Ion:228 Resp: 488570
Ion Ratio Lower Upper
228 100
229 20.2 16.0 24.0
226 27.8 22.2 33.2

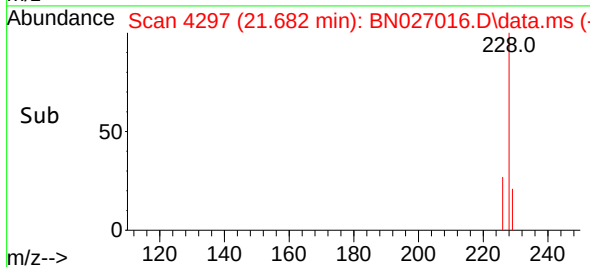
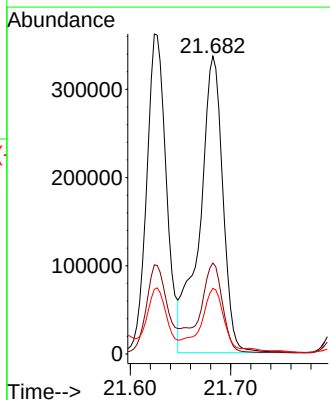
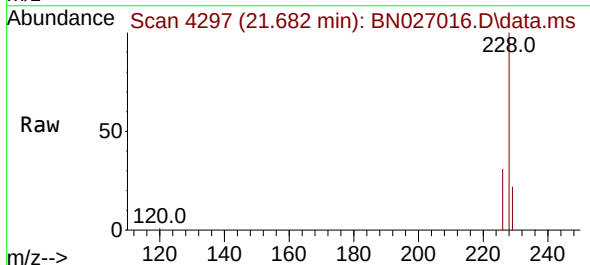
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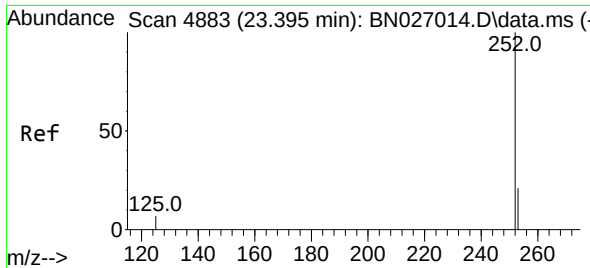
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#22
Chrysene
Concen: 5.169 ng/ul m
RT: 21.682 min Scan# 4297
Delta R.T. -0.009 min
Lab File: BN027016.D
Acq: 22 Aug 2023 06:42

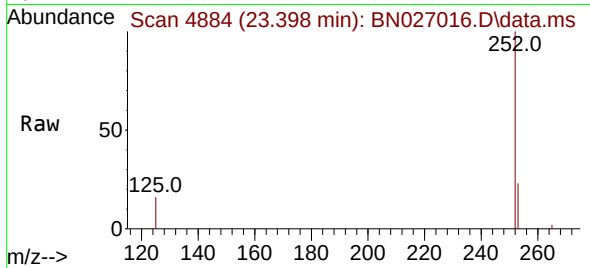
Tgt Ion:228 Resp: 539527
Ion Ratio Lower Upper
228 100
226 30.6 24.6 36.8
229 22.1 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 7.354 ng/ul m
RT: 23.398 min Scan# 4883
Delta R.T. -0.009 min
Lab File: BN027016.D
Acq: 22 Aug 2023 06:42

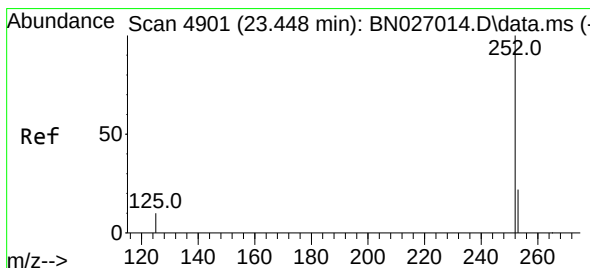
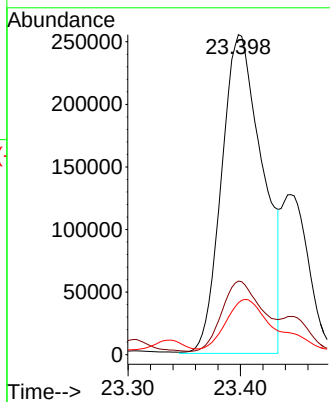
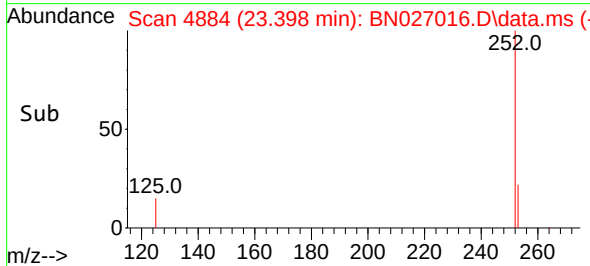
Instrument :
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Tgt Ion:252 Resp: 646472
Ion Ratio Lower Upper
252 100
253 23.0 0.0 46.8
125 16.2 0.0 25.2

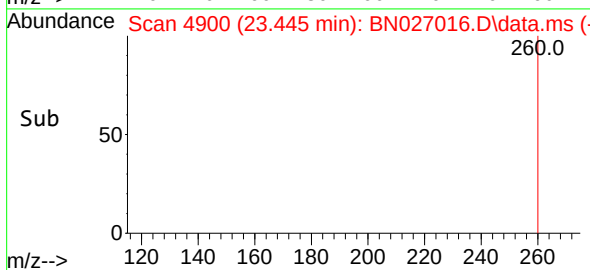
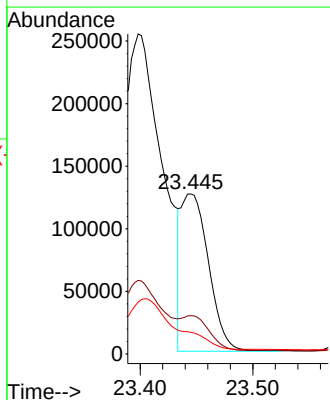
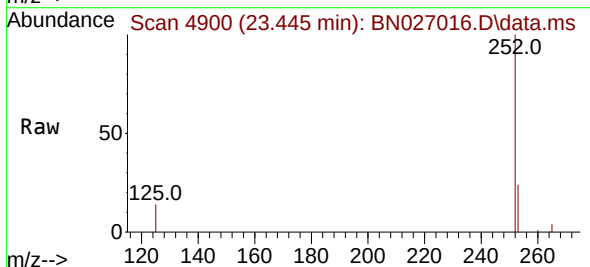
Manual Integrations
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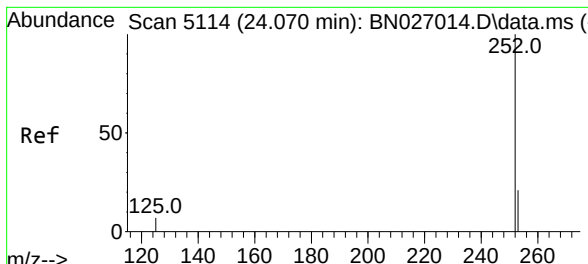
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#25
Benzo(k)fluoranthene
Concen: 2.461 ng/ul m
RT: 23.445 min Scan# 4900
Delta R.T. -0.015 min
Lab File: BN027016.D
Acq: 22 Aug 2023 06:42

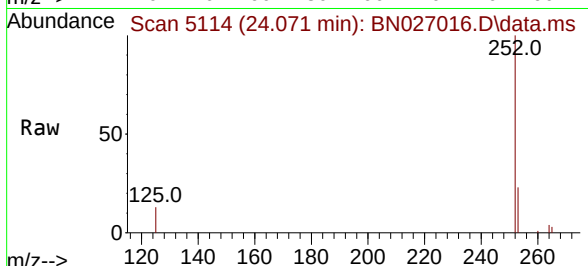
Tgt Ion:252 Resp: 213414
Ion Ratio Lower Upper
252 100
253 23.9 18.2 27.4
125 13.5 9.9 14.9





#26
Benzo(a)pyrene
Concen: 5.140 ng/ul
RT: 24.071 min Scan# 5114
Delta R.T. -0.015 min
Lab File: BN027016.D
Acq: 22 Aug 2023 06:42

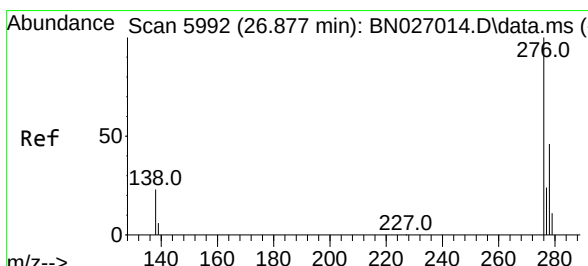
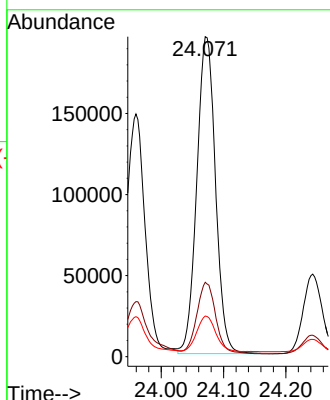
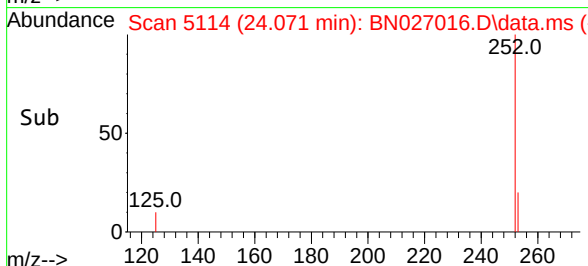
Instrument :
BNA_N
ClientSampleId :
A48H4



Tgt Ion:252 Resp: 407708
Ion Ratio Lower Upper
252 100
253 23.2 19.0 28.6
125 12.7 11.4 17.0

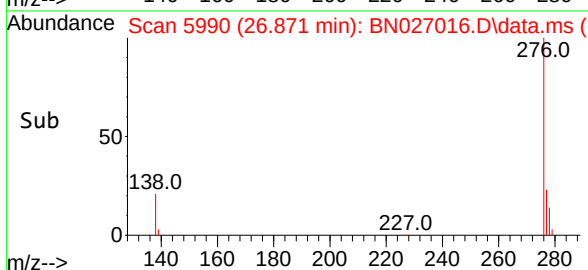
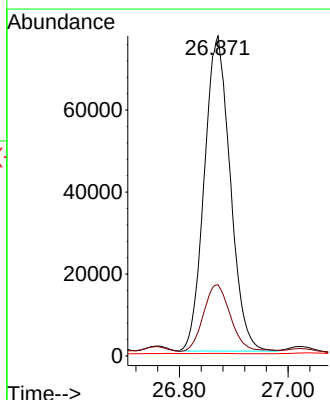
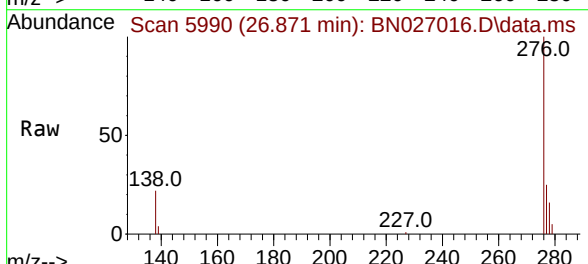
Manual Integrations
APPROVED

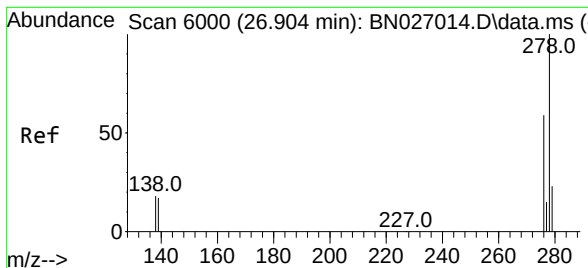
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 2.453 ng/ul
RT: 26.871 min Scan# 5990
Delta R.T. -0.014 min
Lab File: BN027016.D
Acq: 22 Aug 2023 06:42

Tgt Ion:276 Resp: 254528
Ion Ratio Lower Upper
276 100
138 22.2 21.6 32.4
227 0.1 0.0 0.0#





#28

Dibenzo(a,h)anthracene

Concen: 0.700 ng/ul

RT: 26.894 min Scan# 5997

Delta R.T. -0.027 min

Lab File: BN027016.D

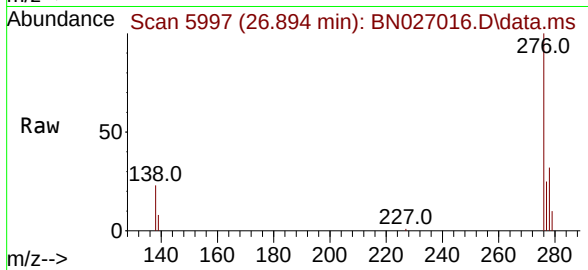
Acq: 22 Aug 2023 06:42

Instrument :

BNA_N

ClientSampleId :

A48H4



Tgt Ion:278 Resp: 5793

Ion Ratio Lower Upper

278 100

139 24.0 15.7 23.5

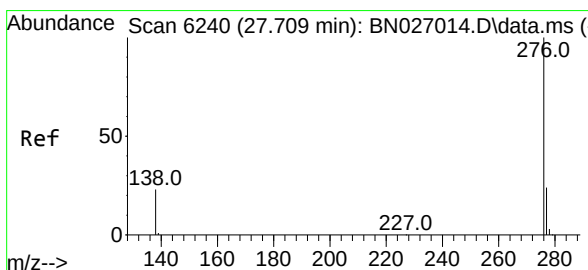
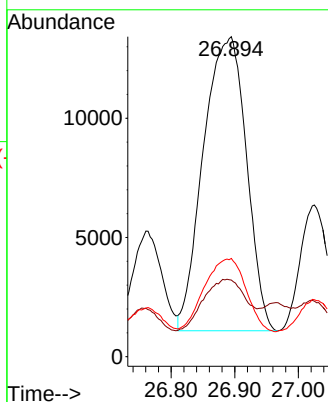
279 30.7 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2023

Supervised By :mohammad ahmed 08/22/2023



#29

Benzo(g,h,i)perylene

Concen: 2.870 ng/ul

RT: 27.709 min Scan# 6240

Delta R.T. -0.014 min

Lab File: BN027016.D

Acq: 22 Aug 2023 06:42

Tgt Ion:276 Resp: 247970

Ion Ratio Lower Upper

276 100

138 23.8 19.3 28.9

277 24.4 19.8 29.8

