

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
 Data File : BN027032.D
 Acq On : 22 Aug 2023 18:22
 Operator : MA/JU
 Sample : 03967-23DL 5X
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48N4DL

Manual Integrations
 APPROVED

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

Quant Time: Aug 23 01:43:43 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	7718	0.400	ng/ul	0.00
4) Naphthalene-d8	10.927	136	25329	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.726	164	14491	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.472	188	32062	0.400	ng/ul	0.00
17) Chrysene-d12	21.641	240	26032	0.400	ng/ul	# 0.00
23) Perylene-d12	24.181	264	22274	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	5543	0.605	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.500	152	1390	0.037	ng/ul	0.00
18) Fluoranthene-d10	19.487	212	3498	0.043	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.977	128	4572	0.064	ng/ul#	93
7) 2-Methylnaphthalene	12.572	142	2233	0.052	ng/ul	97
8) 1-Methylnaphthalene	12.786	142	1502	0.033	ng/ul	99
10) Acenaphthylene	14.453	152	9109	0.112	ng/ul	97
11) Acenaphthene	14.786	153	2000	0.036	ng/ul	96
12) Fluorene	15.767	166	2506	0.039	ng/ul#	97
15) Phenanthrene	17.514	178	65750	0.624	ng/ul	100
16) Anthracene	17.603	178	12976	0.136	ng/ul	97
19) Fluoranthene	19.515	202	141640	1.310	ng/ul	98
20) Pyrene	19.882	202	132122m	1.145	ng/ul	
21) Benzo(a)anthracene	21.623	228	59581	0.575	ng/ul	97
22) Chrysene	21.679	228	78832	0.771	ng/ul	97
24) Benzo(b)fluoranthene	23.392	252	97513m	1.157	ng/ul	
25) Benzo(k)fluoranthene	23.442	252	27139m	0.327	ng/ul	
26) Benzo(a)pyrene	24.067	252	51514	0.678	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	26.864	276	35455	0.357	ng/ul#	90
28) Dibenzo(a,h)anthracene	26.887	278	9758	0.123	ng/ul#	49
29) Benzo(g,h,i)perylene	27.706	276	38635	0.467	ng/ul	93

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

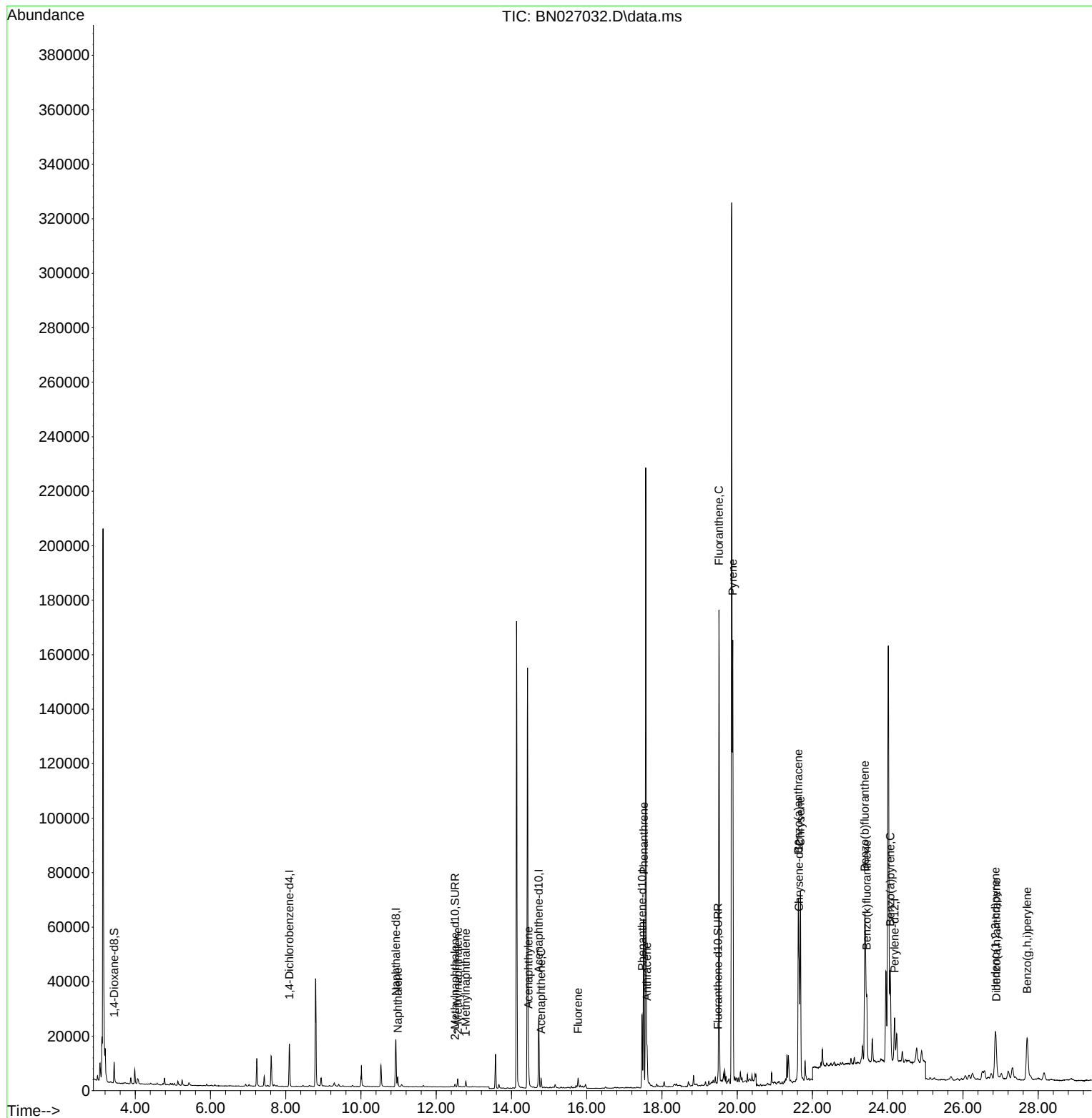
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
Data File : BN027032.D
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ALS Vial : 51 Sample Multiplier: 1

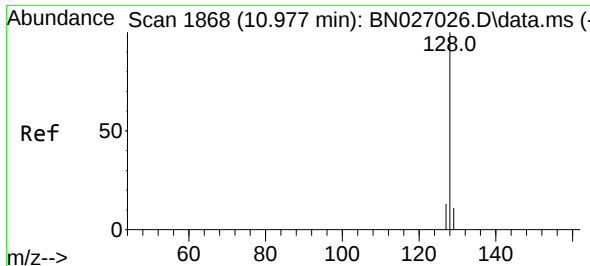
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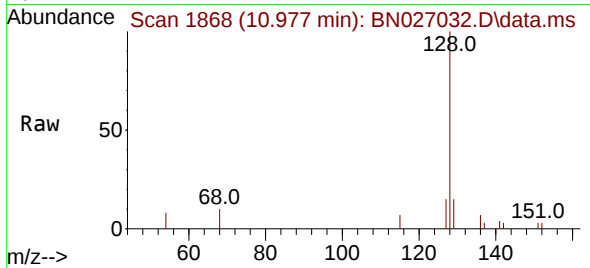
Quant Time: Aug 23 01:43:43 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN080323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 18 13:11:26 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.064 ng/ul
RT: 10.977 min Scan# 1868
Delta R.T. -0.005 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22

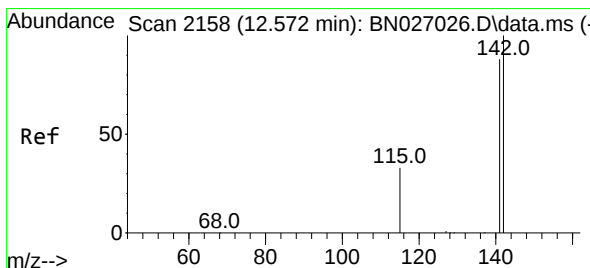
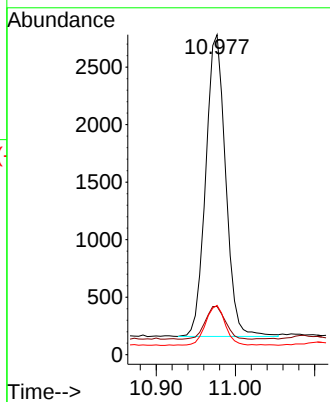
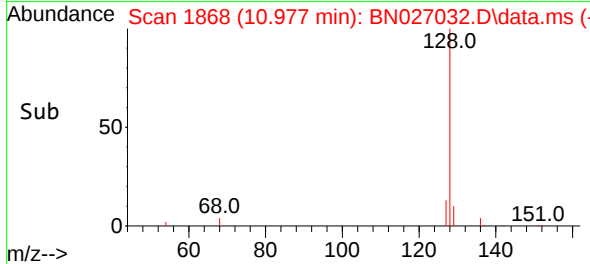
Instrument :
BNA_N
ClientSampleId :
A48N4DL



Tgt Ion:128 Resp: 4572
Ion Ratio Lower Upper
128 100
129 15.1 9.2 13.8
127 15.4 10.5 15.7

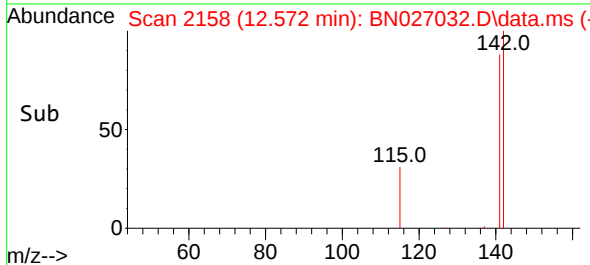
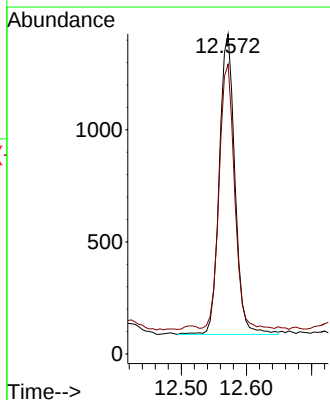
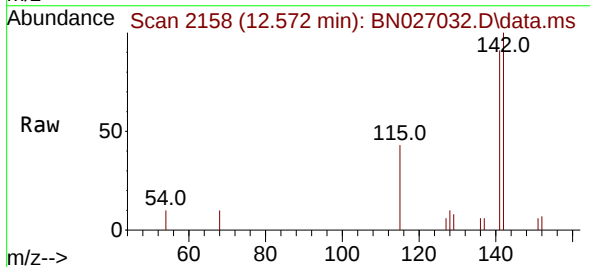
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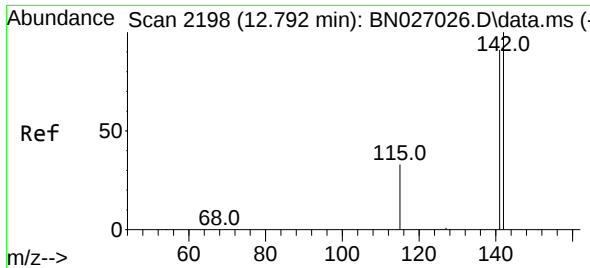
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023



#7
2-Methylnaphthalene
Concen: 0.052 ng/ul
RT: 12.572 min Scan# 2158
Delta R.T. -0.005 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22

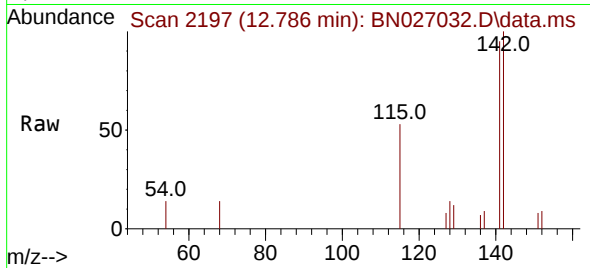
Tgt Ion:142 Resp: 2233
Ion Ratio Lower Upper
142 100
141 85.9 70.9 106.3





#8
1-Methylnaphthalene
Concen: 0.033 ng/ul
RT: 12.786 min Scan# 2197
Delta R.T. -0.005 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22

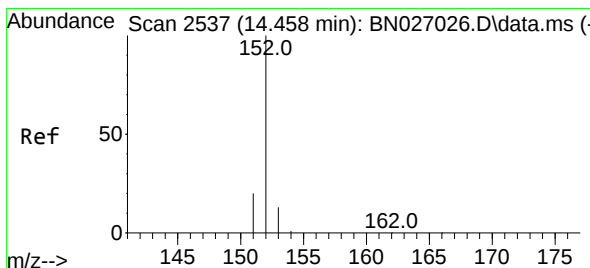
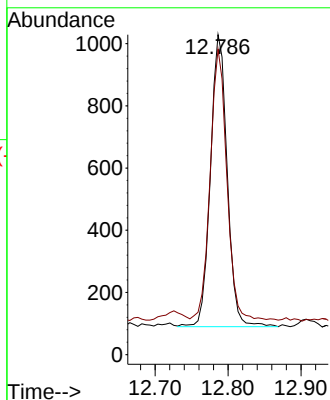
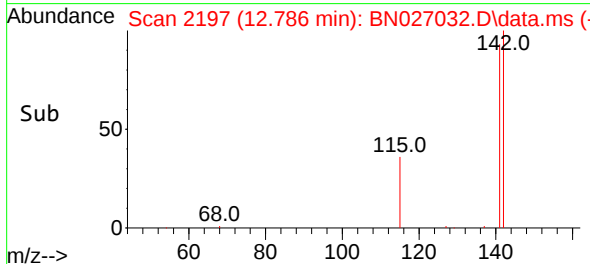
Instrument :
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ClientSampleId :
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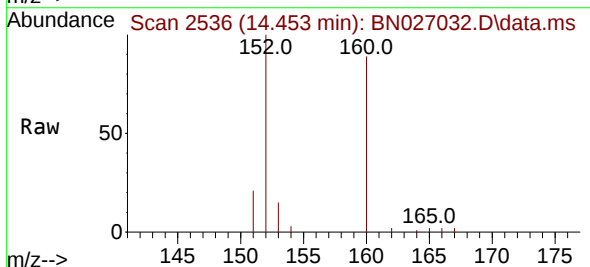
Tgt Ion:142 Resp: 1502
Ion Ratio Lower Upper
142 100
141 92.2 73.2 109.8

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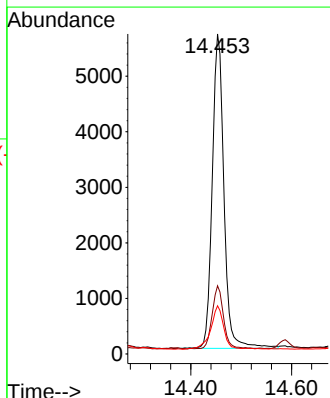
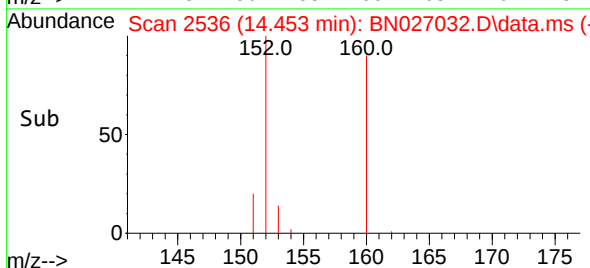
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023

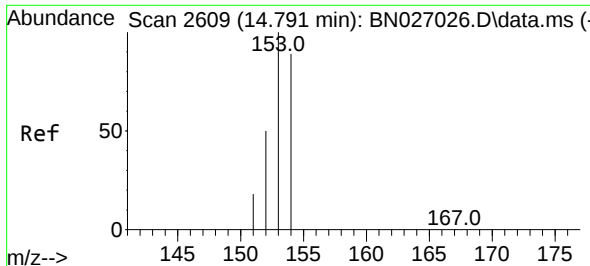


#10
Acenaphthylene
Concen: 0.112 ng/ul
RT: 14.453 min Scan# 2536
Delta R.T. -0.005 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22



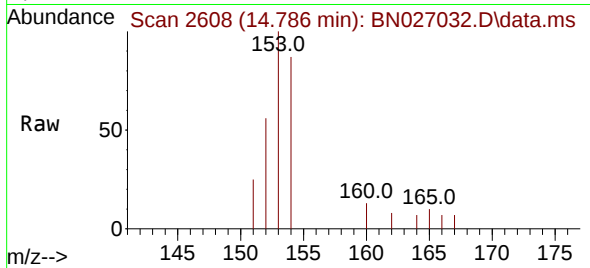
Tgt Ion:152 Resp: 9109
Ion Ratio Lower Upper
152 100
151 21.3 15.9 23.9
153 15.0 11.0 16.6





#11
Acenaphthene
Concen: 0.036 ng/u1
RT: 14.786 min Scan# 2608
Delta R.T. -0.005 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22

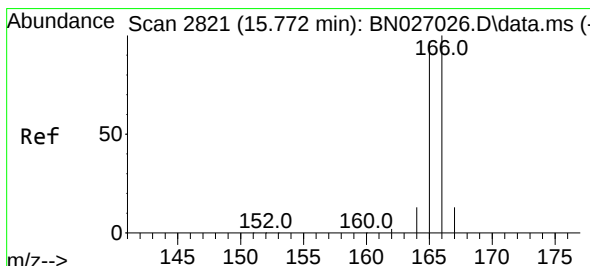
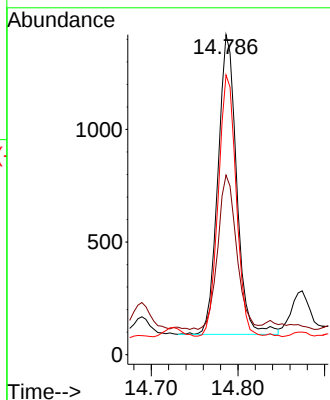
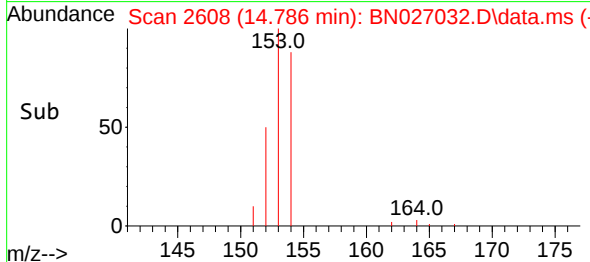
Instrument :
BNA_N
ClientSampleId :
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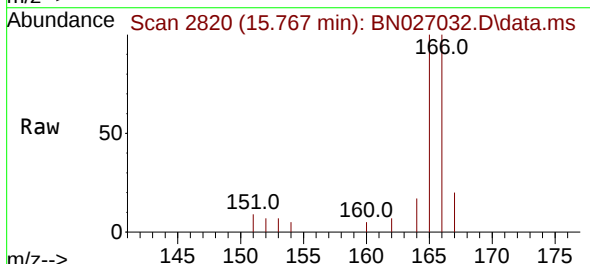
Tgt Ion:153 Resp: 2000
Ion Ratio Lower Upper
153 100
152 56.1 41.1 61.7
154 87.4 71.6 107.4

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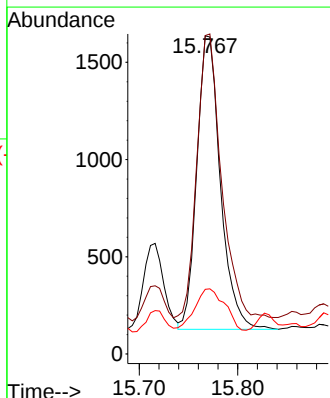
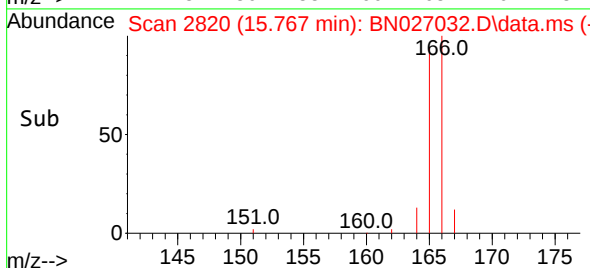
Reviewed By :Yogesh Patel 08/23/2023
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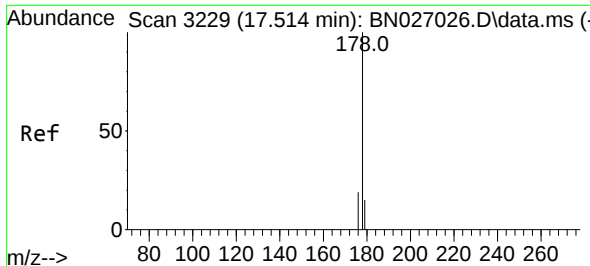


#12
Fluorene
Concen: 0.039 ng/u1
RT: 15.767 min Scan# 2820
Delta R.T. -0.005 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22



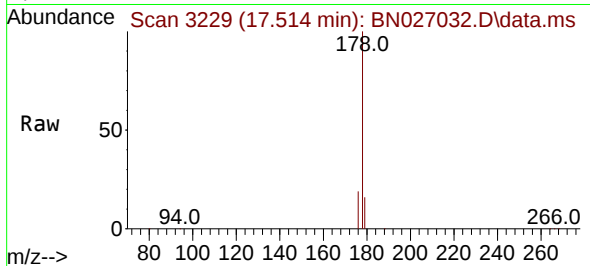
Tgt Ion:166 Resp: 2506
Ion Ratio Lower Upper
166 100
165 100.1 79.1 118.7
167 20.4 11.4 17.0#





#15
Phenanthrene
Concen: 0.624 ng/u1
RT: 17.514 min Scan# 31
Delta R.T. -0.005 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22

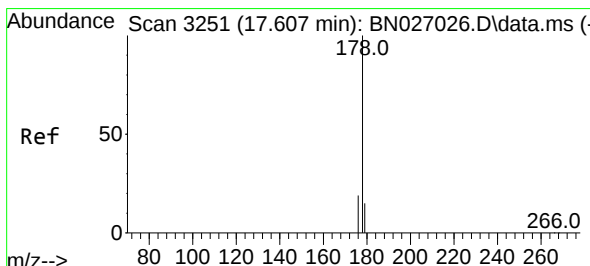
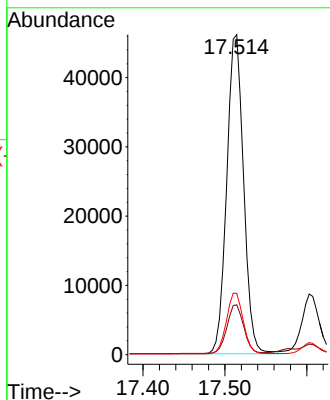
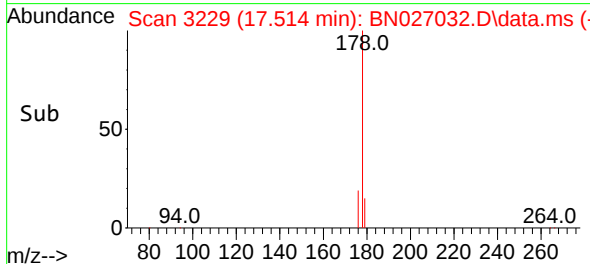
Instrument :
BNA_N
ClientSampleId :
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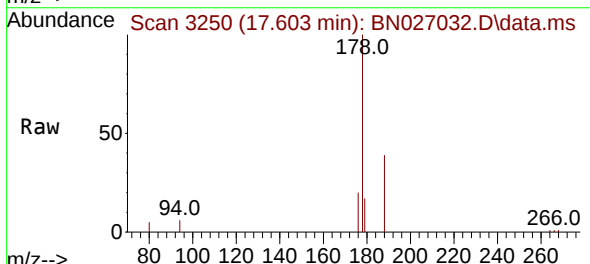
Tgt Ion:178 Resp: 65750
Ion Ratio Lower Upper
178 100
179 15.6 12.6 18.8
176 19.2 15.4 23.2

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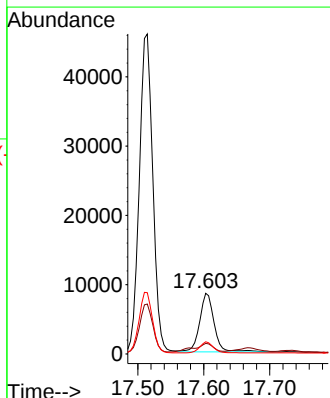
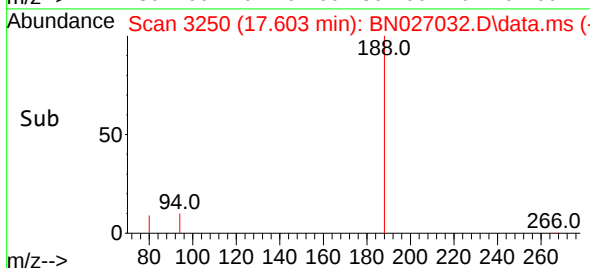
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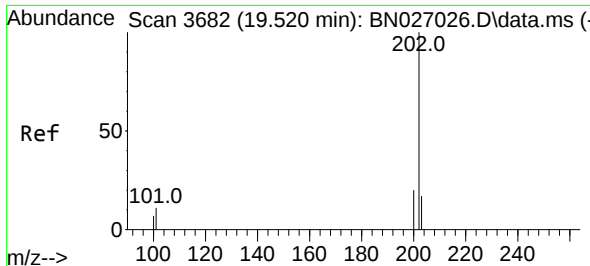


#16
Anthracene
Concen: 0.136 ng/u1
RT: 17.603 min Scan# 3250
Delta R.T. -0.005 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22



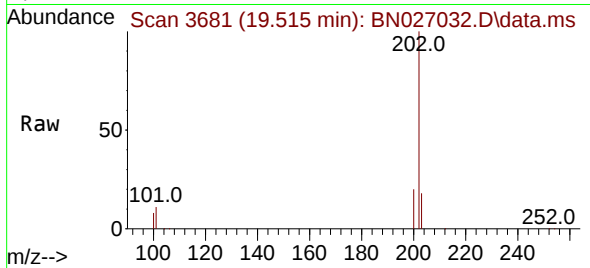
Tgt Ion:178 Resp: 12976
Ion Ratio Lower Upper
178 100
179 17.4 12.6 19.0
176 20.0 15.0 22.6





#19
Fluoranthene
Concen: 1.310 ng/ul
RT: 19.515 min Scan# 3681
Delta R.T. -0.010 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22

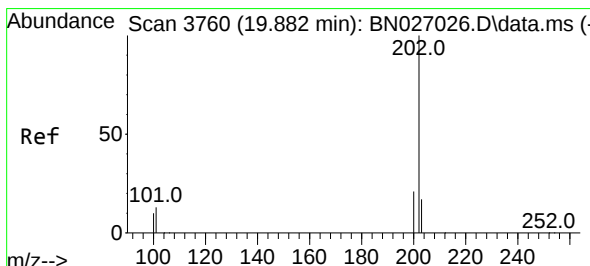
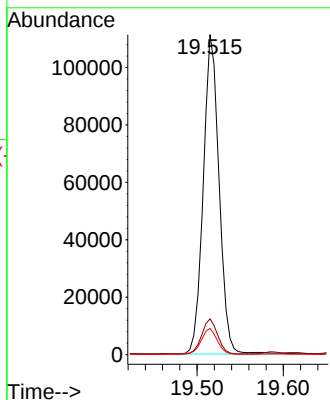
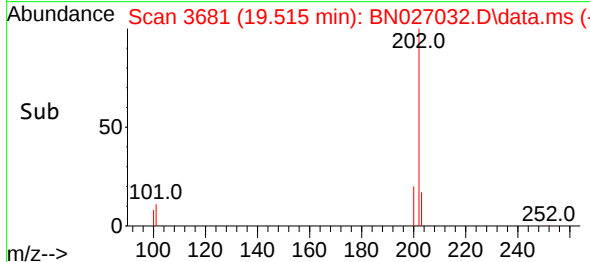
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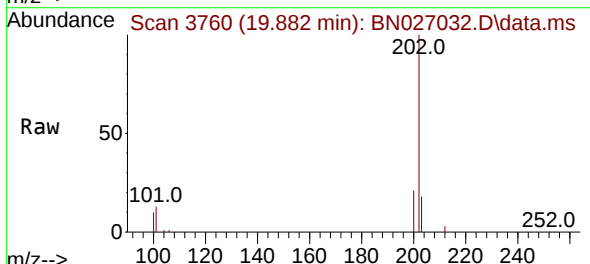
Tgt Ion:202 Resp: 141640
Ion Ratio Lower Upper
202 100
101 11.2 8.3 12.5
100 8.2 6.2 9.2

Manual Integrations
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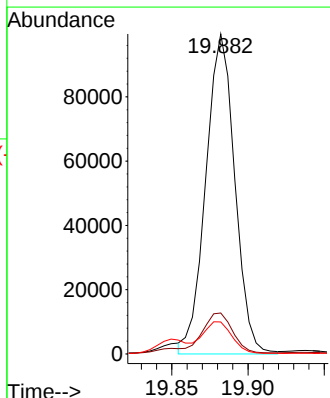
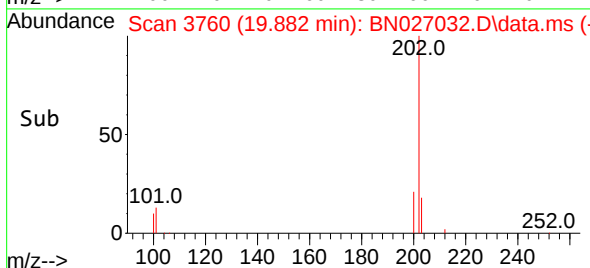
Reviewed By :Yogesh Patel 08/23/2023
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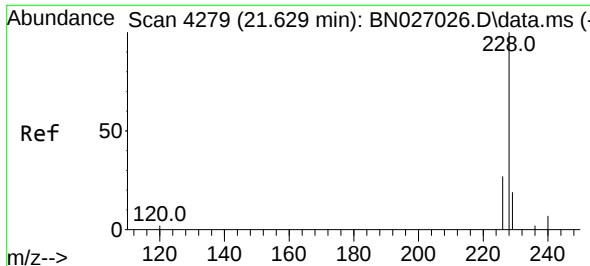


#20
Pyrene
Concen: 1.145 ng/ul m
RT: 19.882 min Scan# 3760
Delta R.T. -0.005 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22



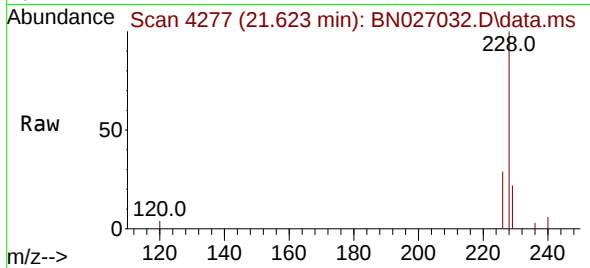
Tgt Ion:202 Resp: 132122
Ion Ratio Lower Upper
202 100
101 12.8 10.7 16.1
100 10.0 8.5 12.7





#21
Benzo(a)anthracene
Concen: 0.575 ng/ul
RT: 21.623 min Scan# 41
Delta R.T. -0.009 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22

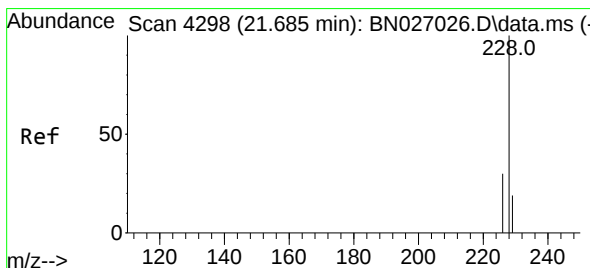
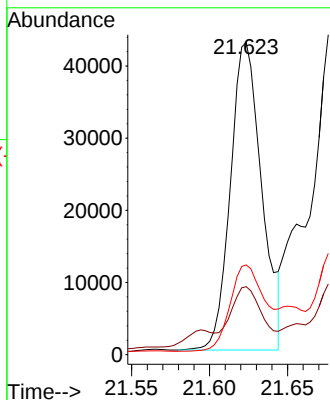
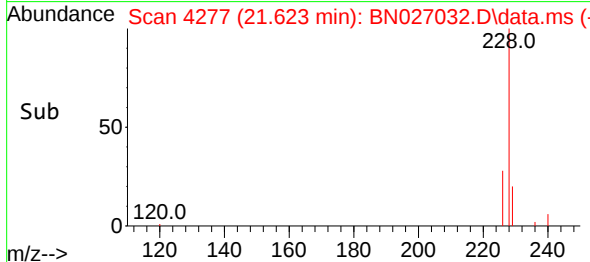
Instrument :
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Tgt Ion:228 Resp: 5958
Ion Ratio Lower Upper
228 100
229 21.8 16.0 24.0
226 28.8 22.2 33.2

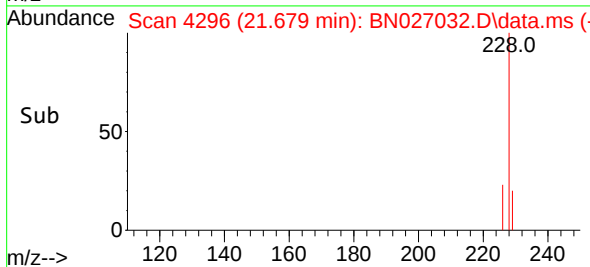
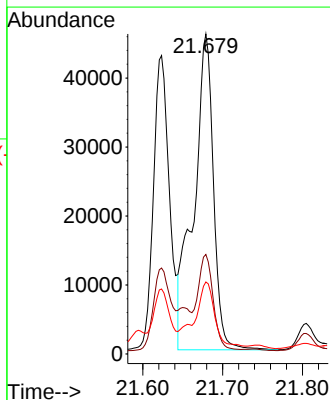
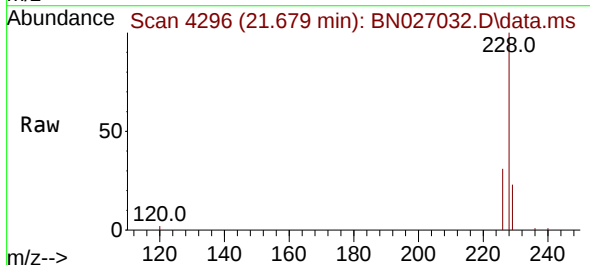
Manual Integrations
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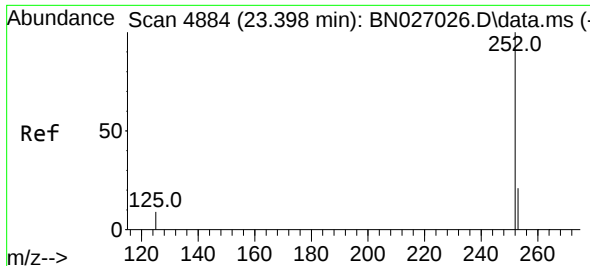
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023



#22
Chrysene
Concen: 0.771 ng/ul
RT: 21.679 min Scan# 4296
Delta R.T. -0.012 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22

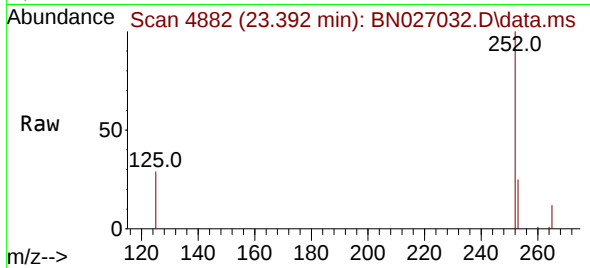
Tgt Ion:228 Resp: 78832
Ion Ratio Lower Upper
228 100
226 31.1 24.6 36.8
229 22.5 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 1.157 ng/ul m
RT: 23.392 min Scan# 4882
Delta R.T. -0.015 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22

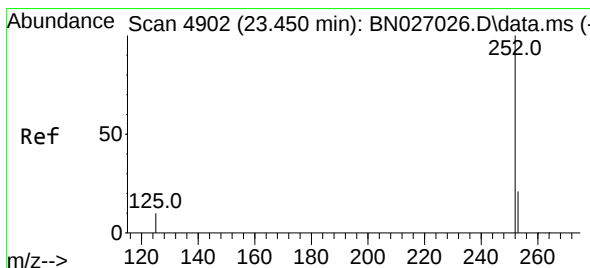
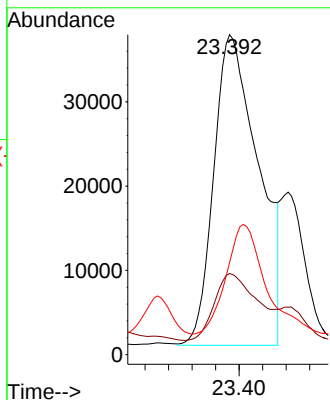
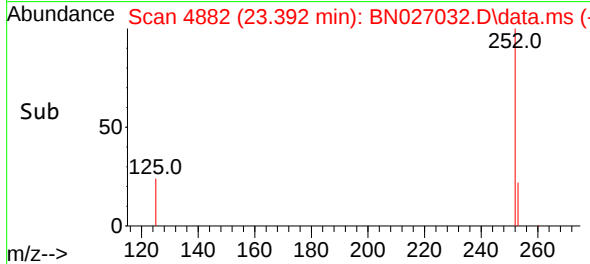
Instrument :
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Tgt Ion:252 Resp: 97511
Ion Ratio Lower Upper
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253 25.3 0.0 46.8
125 28.7 0.0 25.2

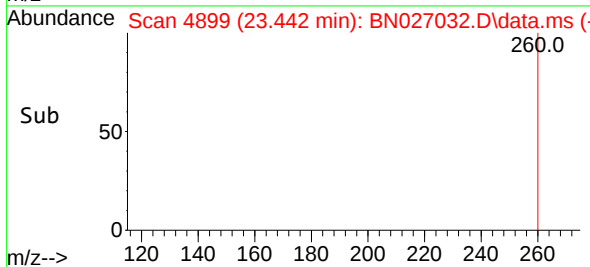
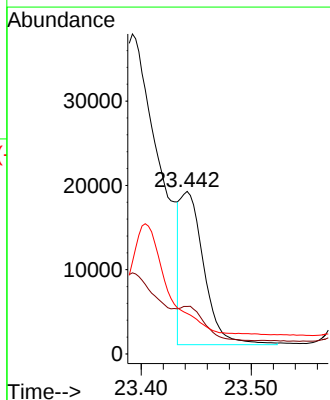
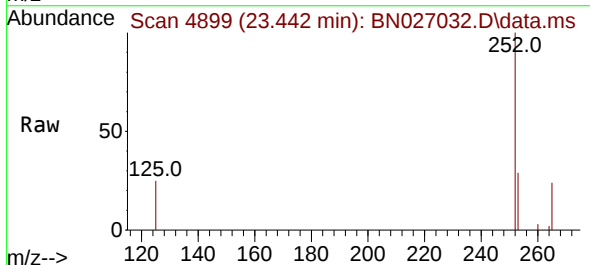
Manual Integrations
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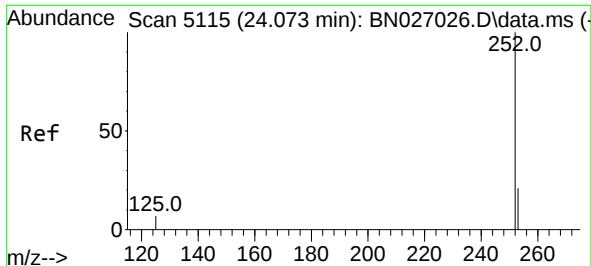
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023



#25
Benzo(k)fluoranthene
Concen: 0.327 ng/ul m
RT: 23.442 min Scan# 4899
Delta R.T. -0.018 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22

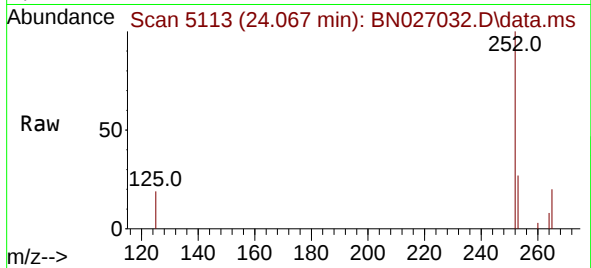
Tgt Ion:252 Resp: 27139
Ion Ratio Lower Upper
252 100
253 29.2 18.2 27.4#
125 24.9 9.9 14.9#





#26
Benzo(a)pyrene
Concen: 0.678 ng/ul
RT: 24.067 min Scan# 5114
Delta R.T. -0.018 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22

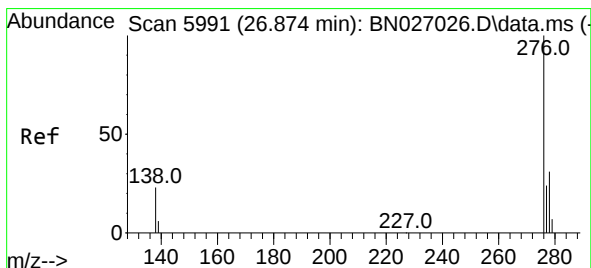
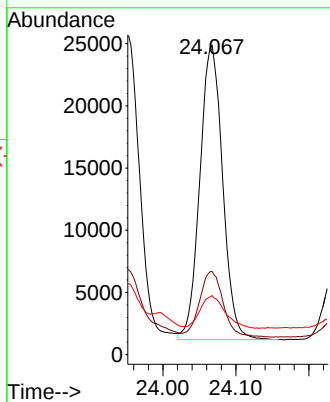
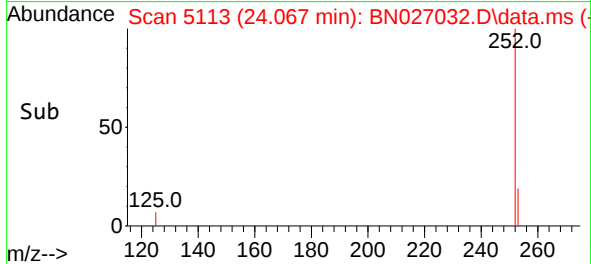
Instrument :
BNA_N
ClientSampleId :
A48N4DL



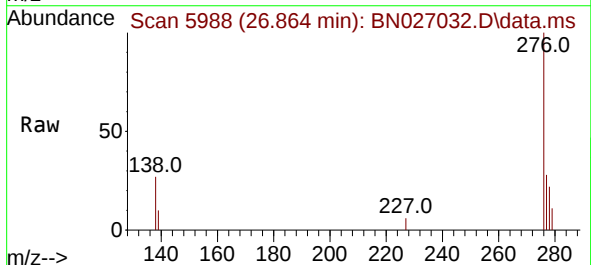
Tgt Ion:252 Resp: 51514
Ion Ratio Lower Upper
252 100
253 26.9 19.0 28.6
125 19.1 11.4 17.0

Manual Integrations
APPROVED

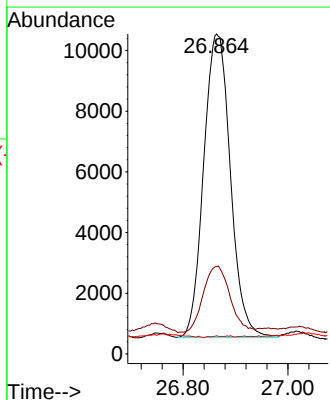
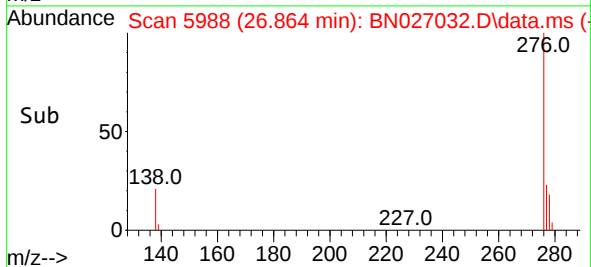
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023

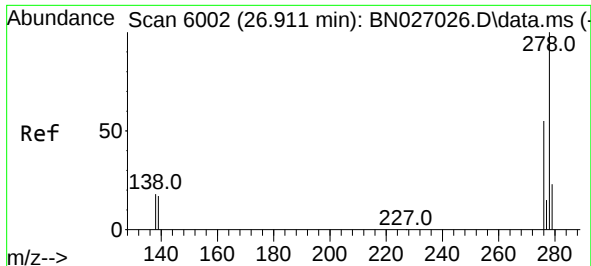


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.357 ng/ul
RT: 26.864 min Scan# 5988
Delta R.T. -0.021 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22



Tgt Ion:276 Resp: 35455
Ion Ratio Lower Upper
276 100
138 21.6 21.6 32.4#
227 0.1 0.0 0.0#





#28
Dibenzo(a,h)anthracene
Concen: 0.123 ng/ul
RT: 26.887 min Scan# 5995
Delta R.T. -0.034 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22

Instrument :

BNA_N

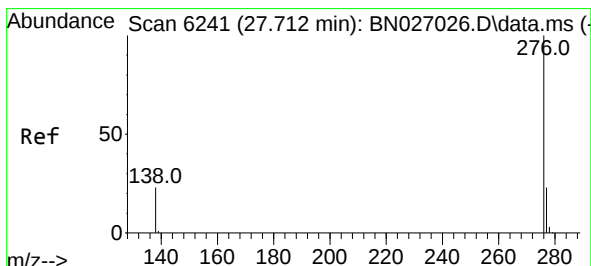
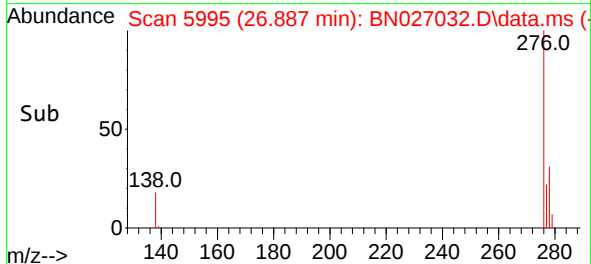
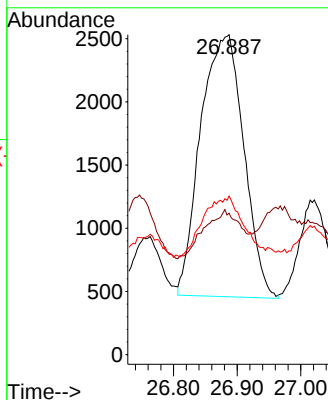
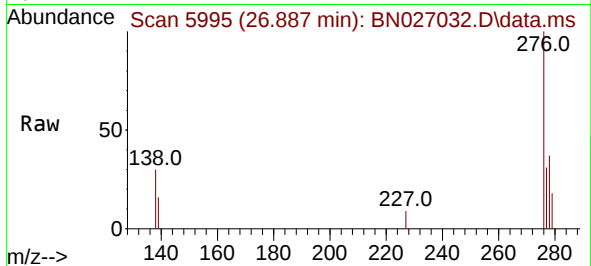
ClientSampleId :

A48N4DL

Tgt Ion:278 Resp: 975
Ion Ratio Lower Upper
278 100
139 44.2 15.7 23.5
279 49.6 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: 0.467 ng/ul
RT: 27.706 min Scan# 6239
Delta R.T. -0.018 min
Lab File: BN027032.D
Acq: 22 Aug 2023 18:22

Tgt Ion:276 Resp: 38635
Ion Ratio Lower Upper
276 100
138 27.4 19.3 28.9
277 28.0 19.8 29.8

