

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
 Data File : BN027094.D
 Acq On : 24 Aug 2023 11:33
 Operator : MA/JU
 Sample : 03968-34
 Misc :
 ALS Vial : 114 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48Q2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/25/2023
 Supervised By :mohammad ahmed 08/25/2023

Quant Time: Aug 24 12:18:53 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 : Wed Aug 23 02:28:27 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.089	152	8990	0.400	ng/ul	0.00
4) Naphthalene-d8	10.916	136	30951	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.717	164	19380	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.464	188	43357	0.400	ng/ul	0.00
17) Chrysene-d12	21.638	240	37072	0.400	ng/ul	# 0.00
23) Perylene-d12	24.173	264	33174	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.431	96	44501	4.170	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.489	152	9669	0.212	ng/ul	0.00
18) Fluoranthene-d10	19.483	212	24948	0.213	ng/ul	0.00
Target Compounds					Qvalue	
5) Naphthalene	10.966	128	257361	2.943	ng/ul	99
7) 2-Methylnaphthalene	12.561	142	115259	2.176	ng/ul	100
8) 1-Methylnaphthalene	12.775	142	84602	1.526	ng/ul	99
10) Acenaphthylene	14.444	152	26643	0.245	ng/ul#	93
11) Acenaphthene	14.781	153	442429	5.888	ng/ul	97
12) Fluorene	15.762	166	455326	5.356	ng/ul	98
15) Phenanthrene	17.510	178	4764609	33.450	ng/ul	99
16) Anthracene	17.599	178	1306708	10.151	ng/ul	100
19) Fluoranthene	19.515	202	4621360	30.011	ng/ul	97
20) Pyrene	19.882	202	4199728m	25.560	ng/ul	
21) Benzo(a)anthracene	21.621	228	2011025m	13.639	ng/ul	
22) Chrysene	21.676	228	1870306	12.852	ng/ul	96
24) Benzo(b)fluoranthene	23.386	252	1787588m	14.246	ng/ul	
25) Benzo(k)fluoranthene	23.436	252	716957m	5.793	ng/ul	
26) Benzo(a)pyrene	24.062	252	1396753	12.336	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	26.851	276	589658	3.981	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.865	278	161616	1.369	ng/ul	95
29) Benzo(g,h,i)perylene	27.690	276	531226	4.308	ng/ul	99

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

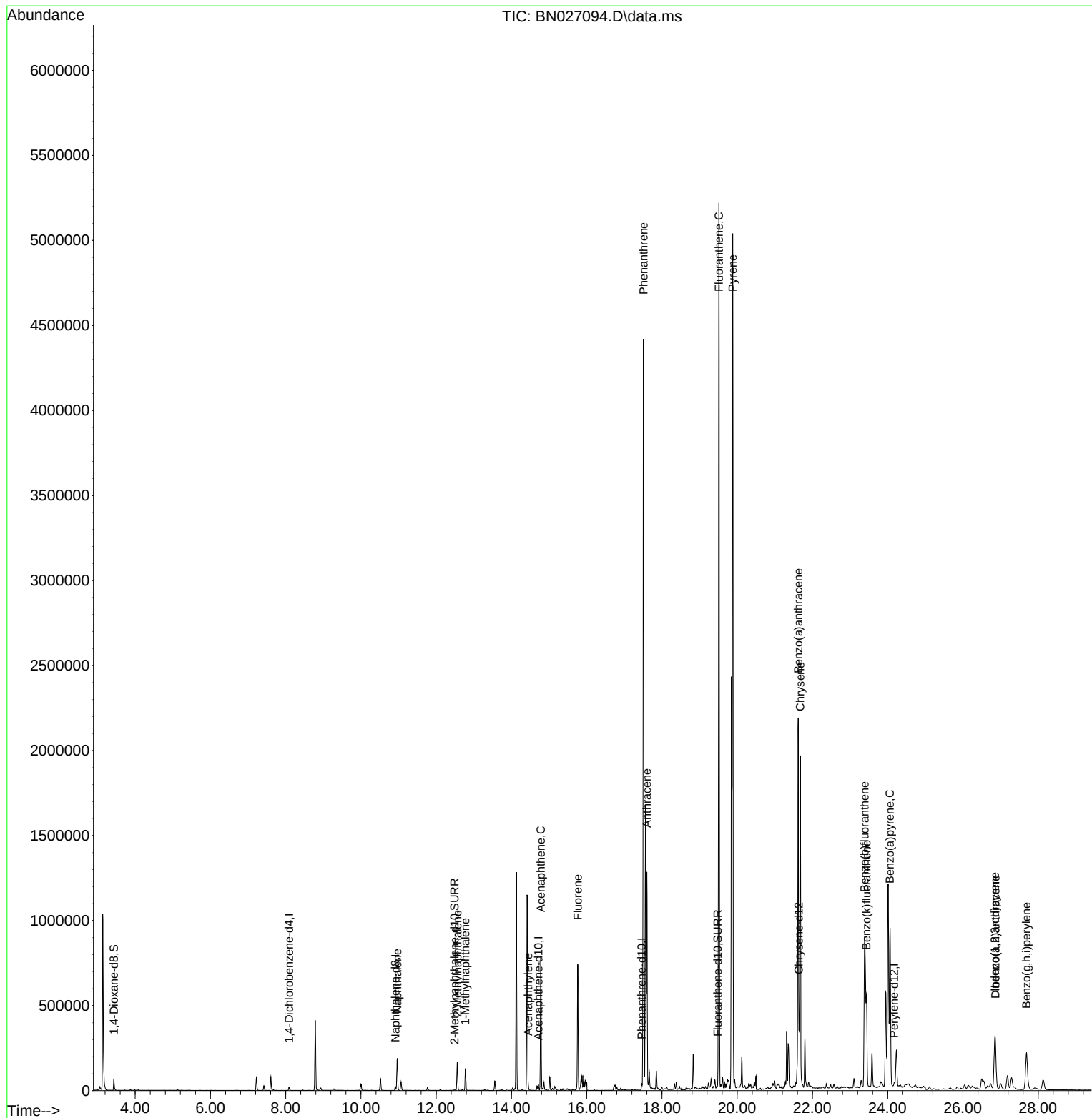
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
Data File : BN027094.D
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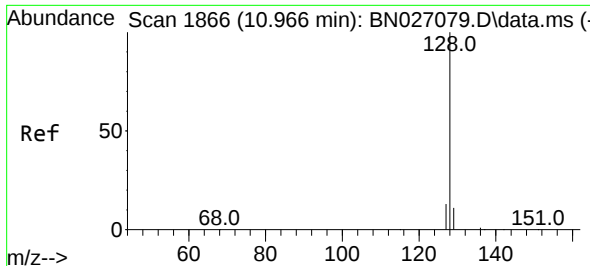
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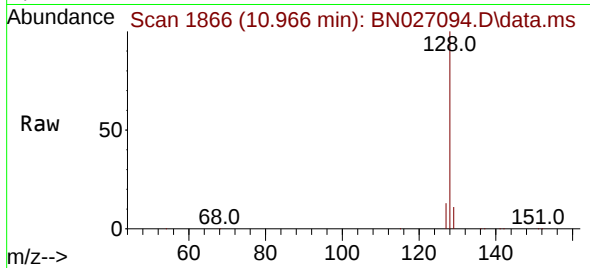
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023





#5
Naphthalene
Concen: 2.943 ng/ul
RT: 10.966 min Scan# 1866
Delta R.T. -0.006 min
Lab File: BN027094.D
Acq: 24 Aug 2023 11:33

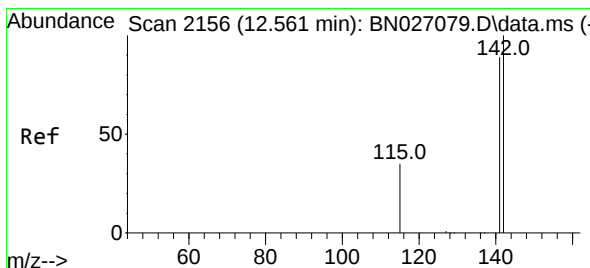
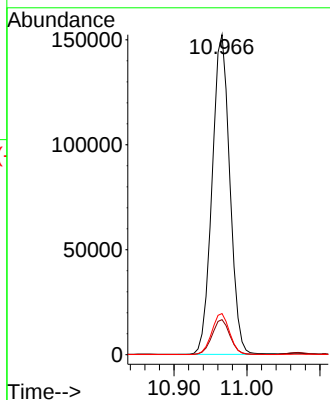
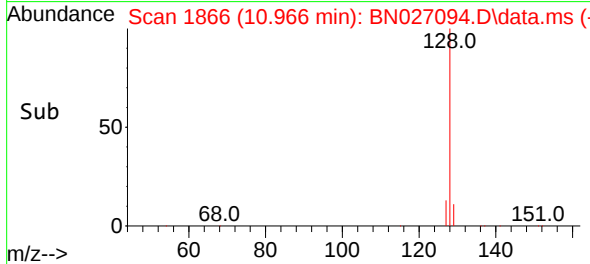
Instrument :
BNA_N
ClientSampleId :
A48Q2



Tgt Ion:128 Resp: 25736
Ion Ratio Lower Upper
128 100
129 11.0 9.2 13.8
127 12.9 10.5 15.7

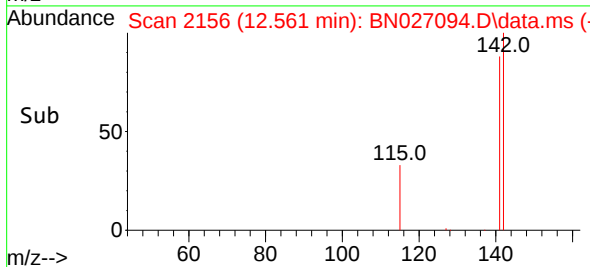
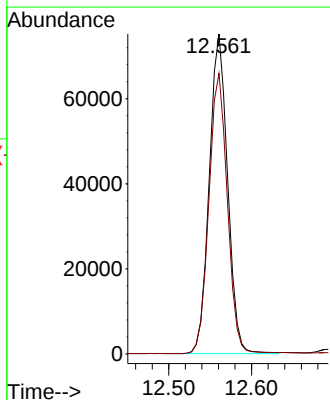
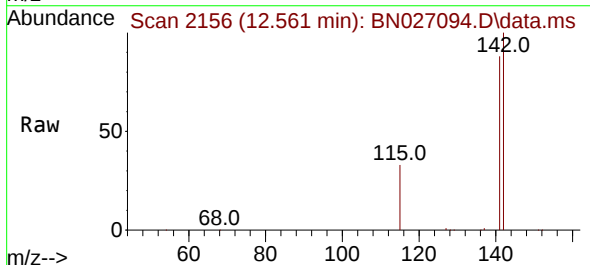
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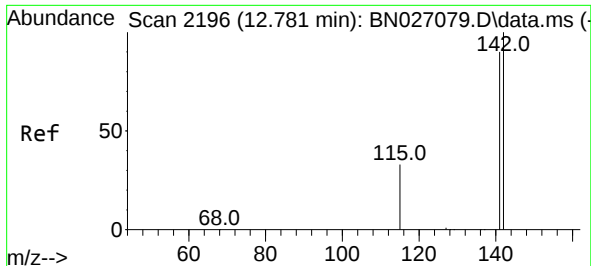
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#7
2-Methylnaphthalene
Concen: 2.176 ng/ul
RT: 12.561 min Scan# 2156
Delta R.T. -0.006 min
Lab File: BN027094.D
Acq: 24 Aug 2023 11:33

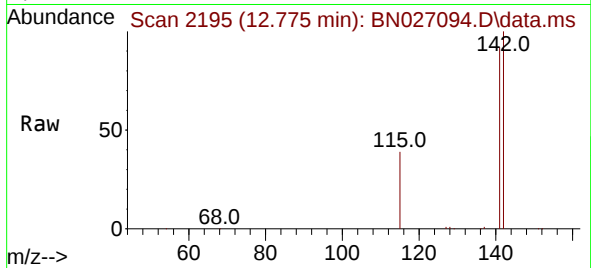
Tgt Ion:142 Resp: 115259
Ion Ratio Lower Upper
142 100
141 88.1 70.9 106.3





#8
1-Methylnaphthalene
Concen: 1.526 ng/ul
RT: 12.775 min Scan# 2196
Delta R.T. -0.011 min
Lab File: BN027094.D
Acq: 24 Aug 2023 11:33

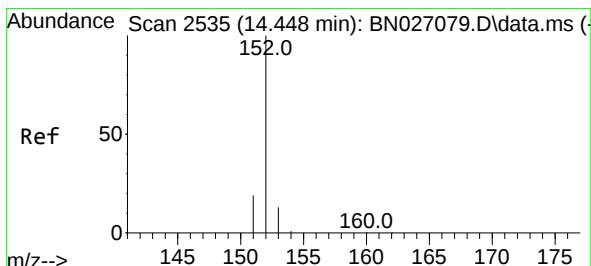
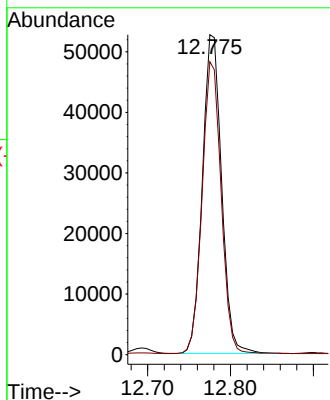
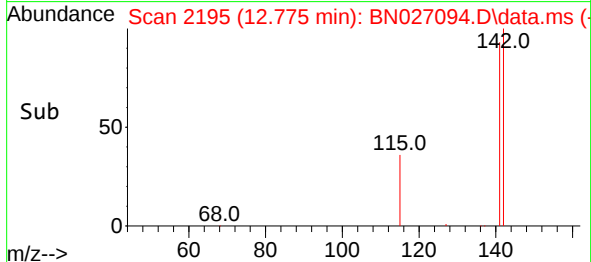
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Tgt Ion:142 Resp: 84602
Ion Ratio Lower Upper
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141 90.5 73.2 109.8

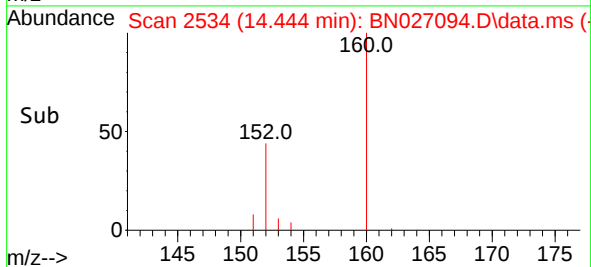
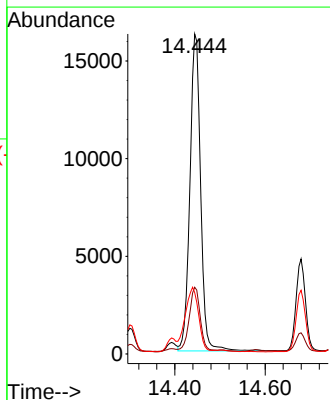
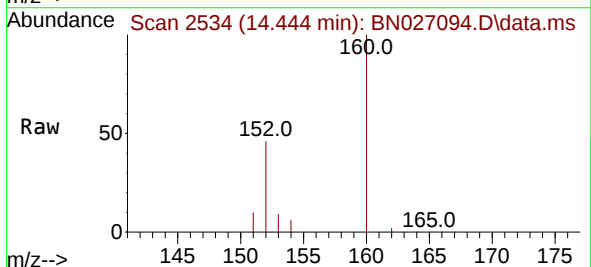
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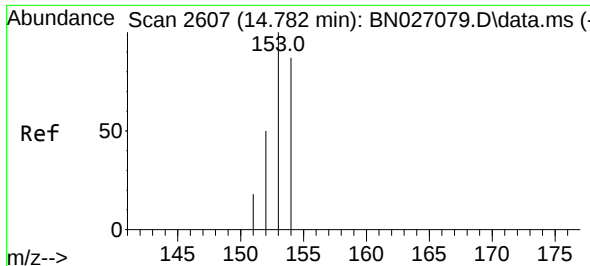
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#10
Acenaphthylene
Concen: 0.245 ng/ul
RT: 14.444 min Scan# 2534
Delta R.T. -0.009 min
Lab File: BN027094.D
Acq: 24 Aug 2023 11:33

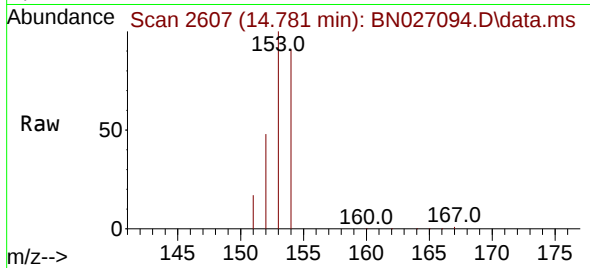
Tgt Ion:152 Resp: 26643
Ion Ratio Lower Upper
152 100
151 20.9 15.9 23.9
153 19.2 11.0 16.6#





#11
Acenaphthene
Concen: 5.888 ng/ul
RT: 14.781 min Scan# 2607
Delta R.T. -0.005 min
Lab File: BN027094.D
Acq: 24 Aug 2023 11:33

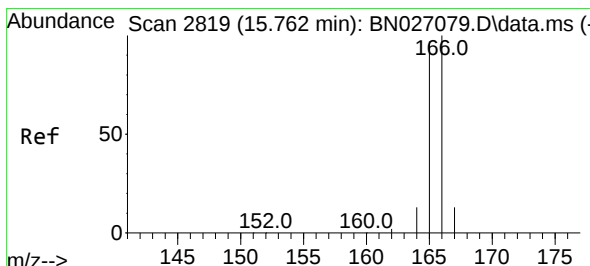
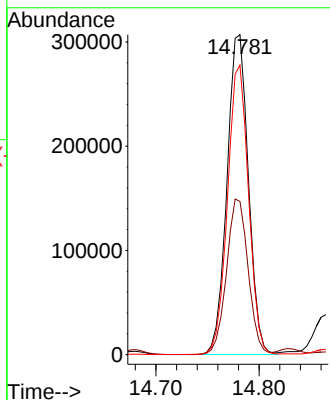
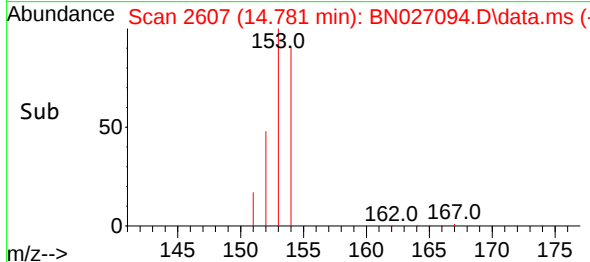
Instrument :
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ClientSampleId :
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Tgt Ion:153 Resp: 442429
Ion Ratio Lower Upper
153 100
152 47.9 41.1 61.7
154 90.5 71.6 107.4

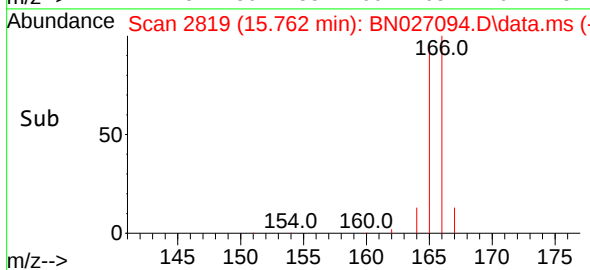
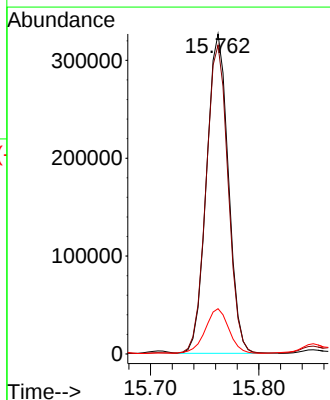
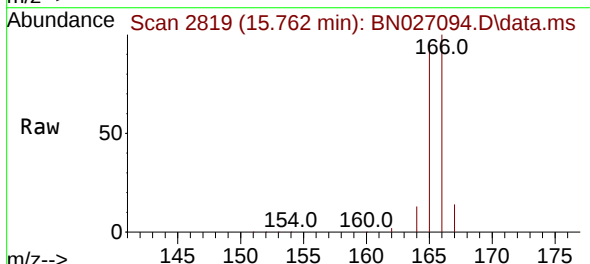
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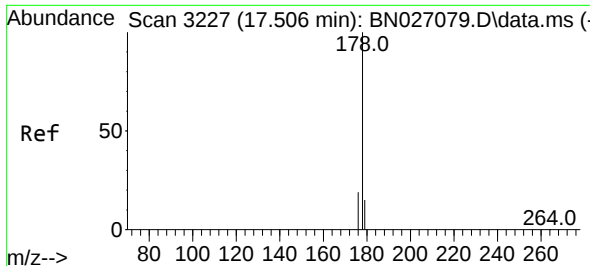
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#12
Fluorene
Concen: 5.356 ng/ul
RT: 15.762 min Scan# 2819
Delta R.T. -0.005 min
Lab File: BN027094.D
Acq: 24 Aug 2023 11:33

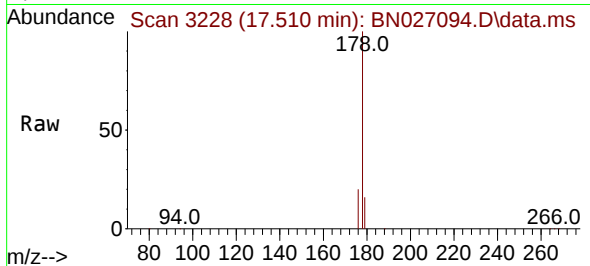
Tgt Ion:166 Resp: 455326
Ion Ratio Lower Upper
166 100
165 96.5 79.1 118.7
167 14.2 11.4 17.0





#15
Phenanthrene
Concen: 33.450 ng/ul
RT: 17.510 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN027094.D
Acq: 24 Aug 2023 11:33

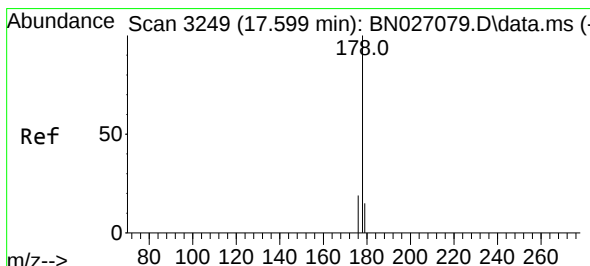
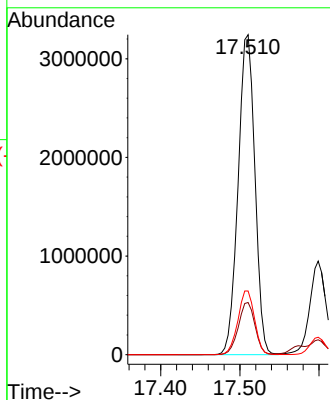
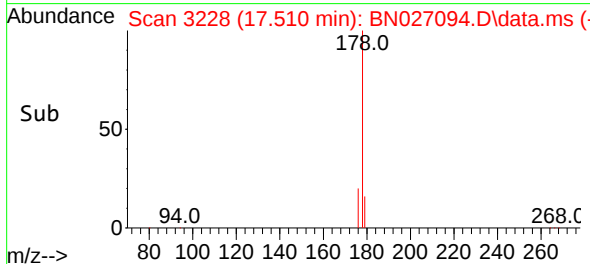
Instrument :
BNA_N
ClientSampleId :
A48Q2



Tgt Ion:178 Resp: 4764609
Ion Ratio Lower Upper
178 100
179 16.3 12.6 18.8
176 19.9 15.4 23.2

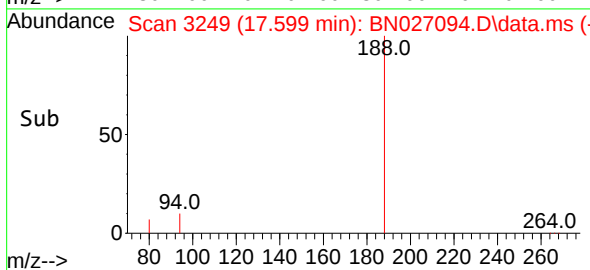
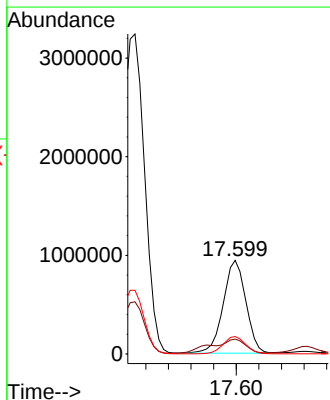
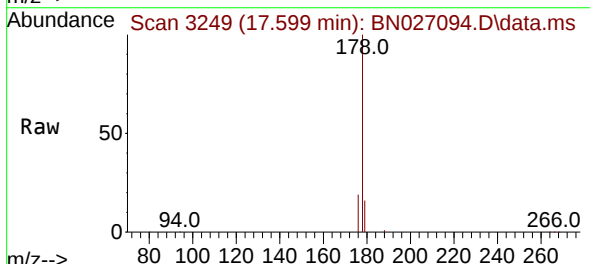
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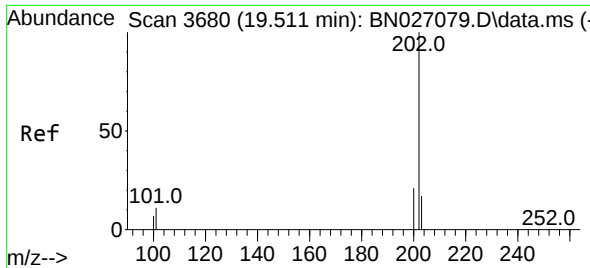
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#16
Anthracene
Concen: 10.151 ng/ul
RT: 17.599 min Scan# 3249
Delta R.T. -0.004 min
Lab File: BN027094.D
Acq: 24 Aug 2023 11:33

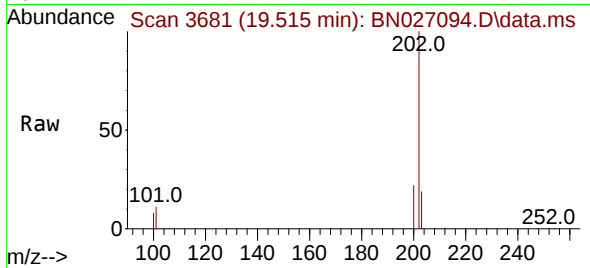
Tgt Ion:178 Resp: 1306708
Ion Ratio Lower Upper
178 100
179 15.9 12.6 19.0
176 18.7 15.0 22.6





#19
Fluoranthene
Concen: 30.011 ng/ul
RT: 19.515 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN027094.D
Acq: 24 Aug 2023 11:33

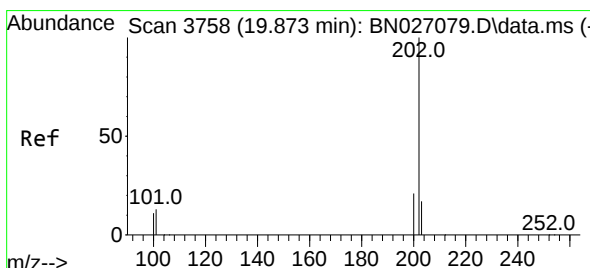
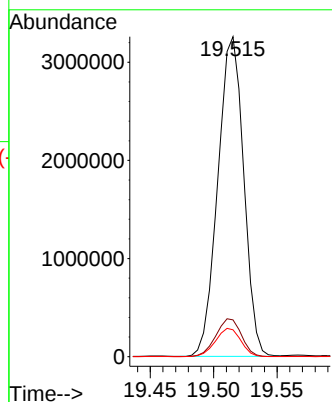
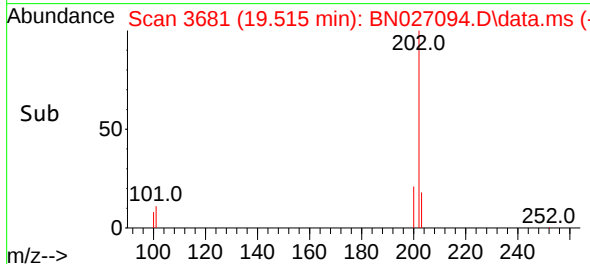
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Tgt Ion:202 Resp: 4621360
Ion Ratio Lower Upper
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101 11.5 8.3 12.5
100 8.4 6.2 9.2

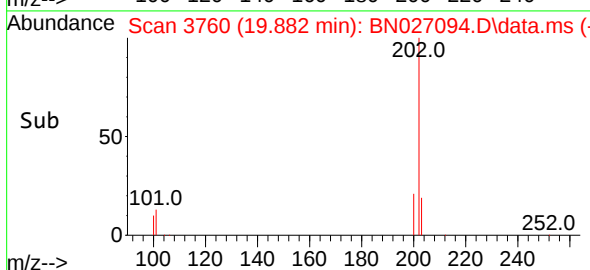
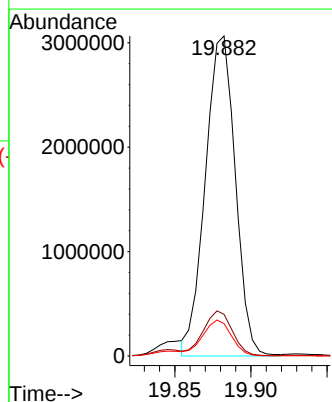
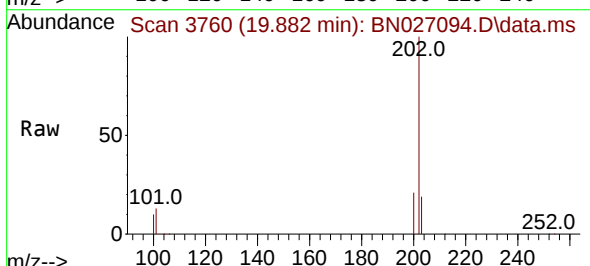
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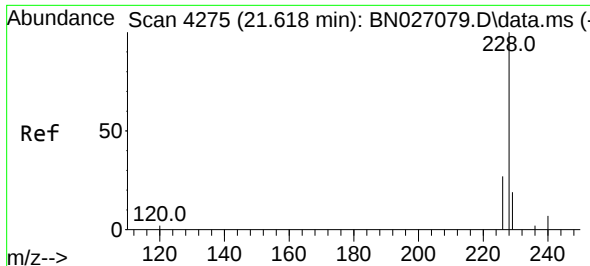
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#20
Pyrene
Concen: 25.560 ng/ul m
RT: 19.882 min Scan# 3760
Delta R.T. -0.000 min
Lab File: BN027094.D
Acq: 24 Aug 2023 11:33

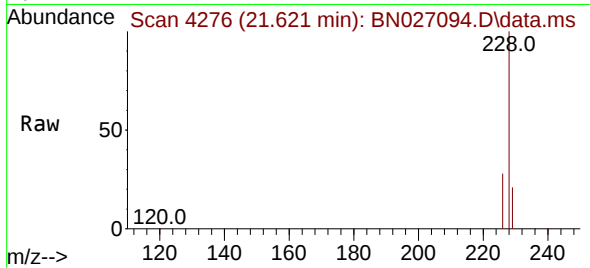
Tgt Ion:202 Resp: 4199728
Ion Ratio Lower Upper
202 100
101 13.0 10.7 16.1
100 10.1 8.5 12.7





#21
Benzo(a)anthracene
Concen: 13.639 ng/ul m
RT: 21.621 min Scan# 4275
Delta R.T. -0.000 min
Lab File: BN027094.D
Acq: 24 Aug 2023 11:33

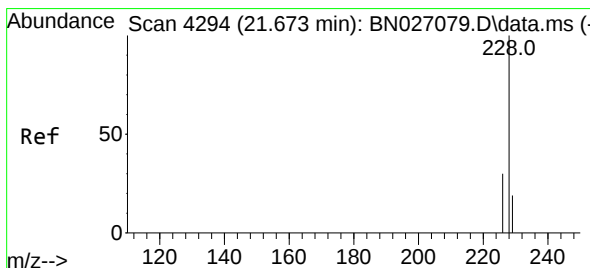
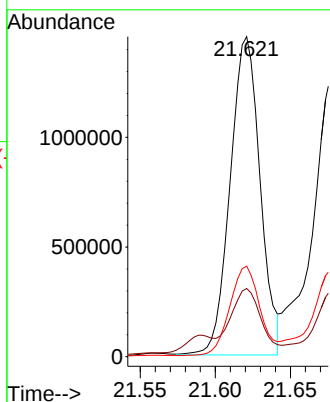
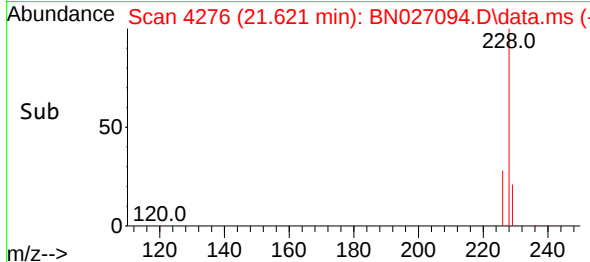
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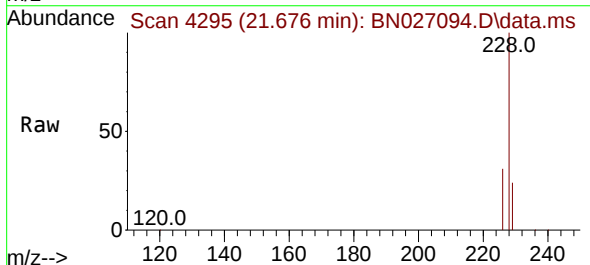
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Ion Ratio Lower Upper
228 100
229 21.3 16.0 24.0
226 28.3 22.2 33.2

Manual Integrations
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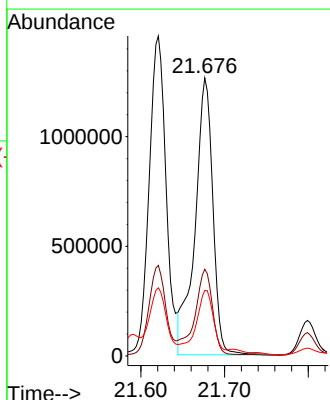
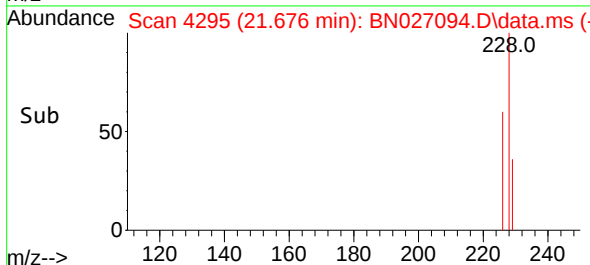
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023

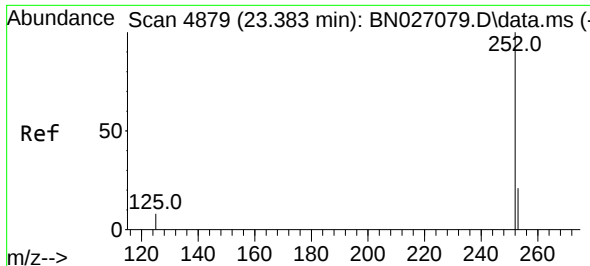


#22
Chrysene
Concen: 12.852 ng/ul
RT: 21.676 min Scan# 4295
Delta R.T. -0.000 min
Lab File: BN027094.D
Acq: 24 Aug 2023 11:33



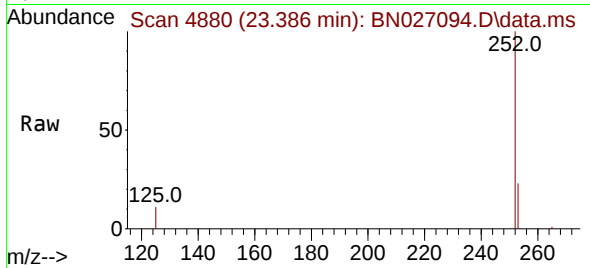
Tgt Ion:228 Resp: 1870306
Ion Ratio Lower Upper
228 100
226 31.2 24.6 36.8
229 23.5 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 14.246 ng/ul m
RT: 23.386 min Scan# 4880
Delta R.T. -0.000 min
Lab File: BN027094.D
Acq: 24 Aug 2023 11:33

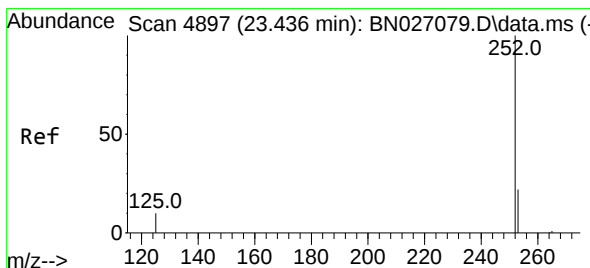
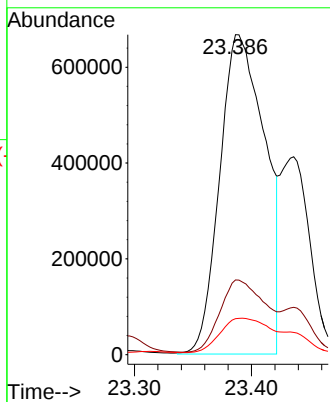
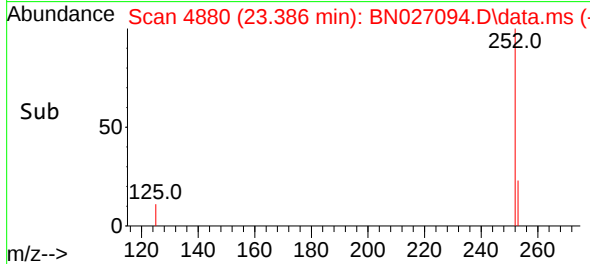
Instrument :
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Tgt Ion:252 Resp: 1787588
Ion Ratio Lower Upper
252 100
253 23.3 0.0 46.8
125 11.3 0.0 25.2

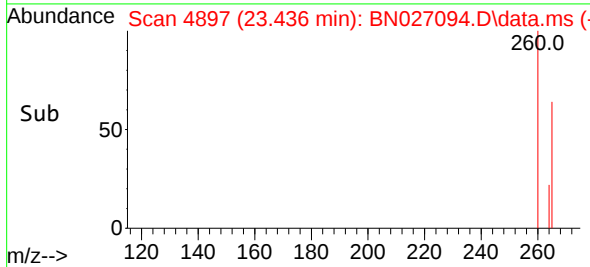
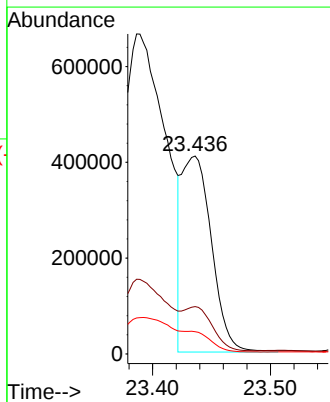
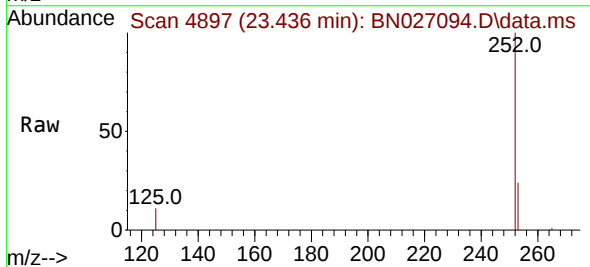
Manual Integrations
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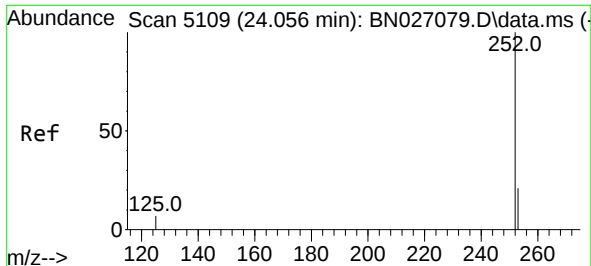
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#25
Benzo(k)fluoranthene
Concen: 5.793 ng/ul m
RT: 23.436 min Scan# 4897
Delta R.T. -0.003 min
Lab File: BN027094.D
Acq: 24 Aug 2023 11:33

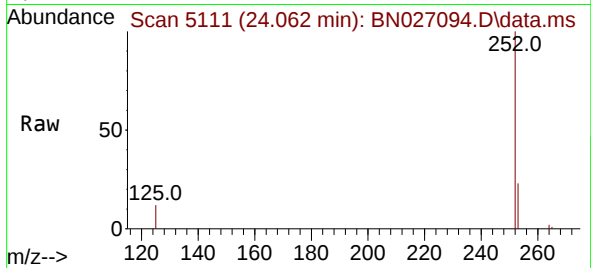
Tgt Ion:252 Resp: 716957
Ion Ratio Lower Upper
252 100
253 23.9 18.2 27.4
125 11.3 9.9 14.9





#26
Benzo(a)pyrene
Concen: 12.336 ng/ul
RT: 24.062 min Scan# 5109
Delta R.T. -0.000 min
Lab File: BN027094.D
Acq: 24 Aug 2023 11:33

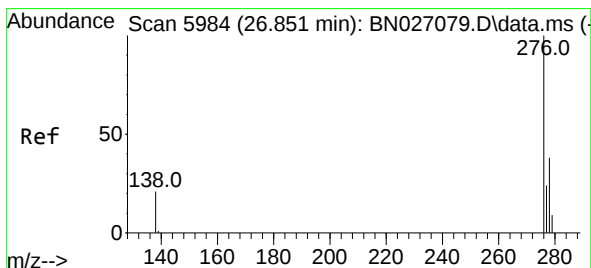
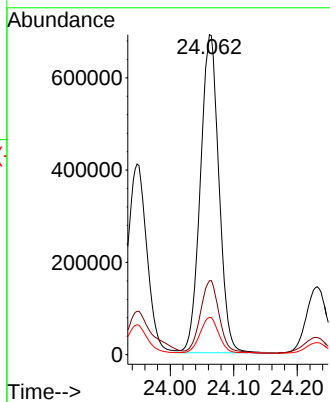
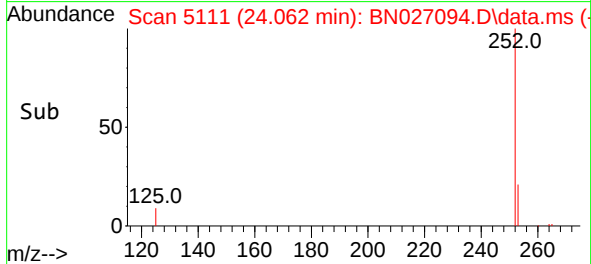
Instrument :
BNA_N
ClientSampleId :
A48Q2



Tgt Ion:252 Resp: 139675
Ion Ratio Lower Upper
252 100
253 23.1 19.0 28.6
125 11.6 11.4 17.0

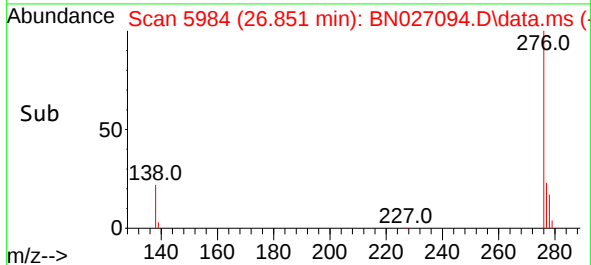
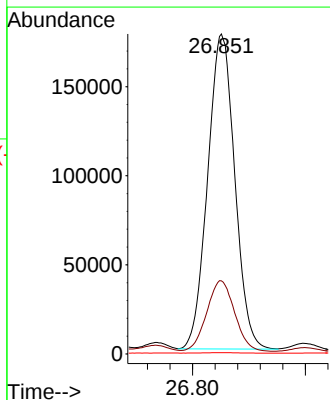
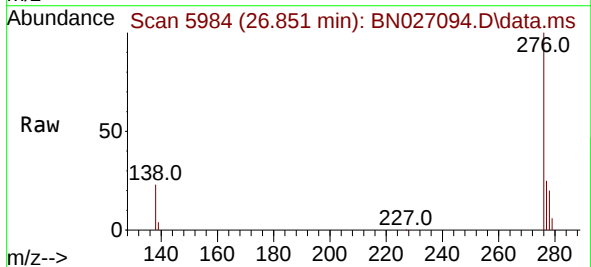
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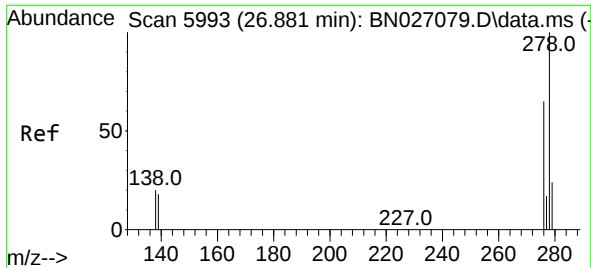
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 3.981 ng/ul
RT: 26.851 min Scan# 5984
Delta R.T. -0.003 min
Lab File: BN027094.D
Acq: 24 Aug 2023 11:33

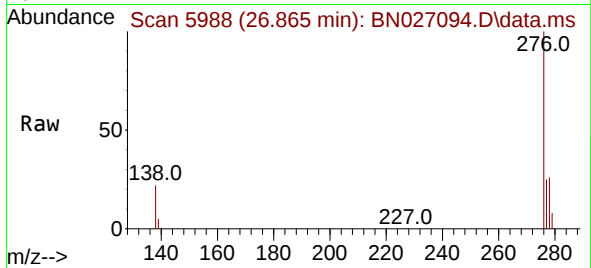
Tgt Ion:276 Resp: 589658
Ion Ratio Lower Upper
276 100
138 23.0 21.6 32.4
227 0.2 0.0 0.0#





#28
Dibenzo(a,h)anthracene
Concen: 1.369 ng/ul
RT: 26.865 min Scan# 5993
Delta R.T. -0.020 min
Lab File: BN027094.D
Acq: 24 Aug 2023 11:33

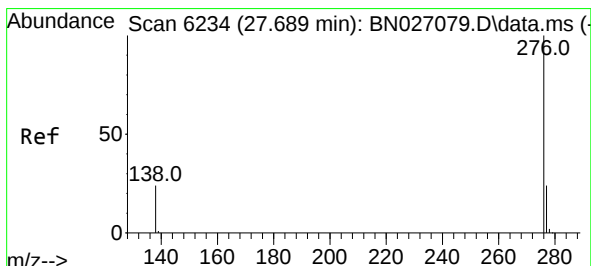
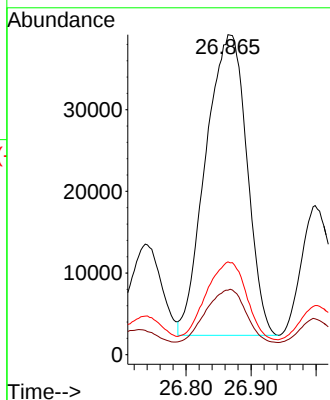
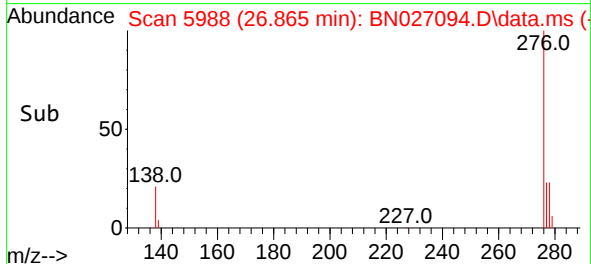
Instrument :
BNA_N
ClientSampleId :
A48Q2



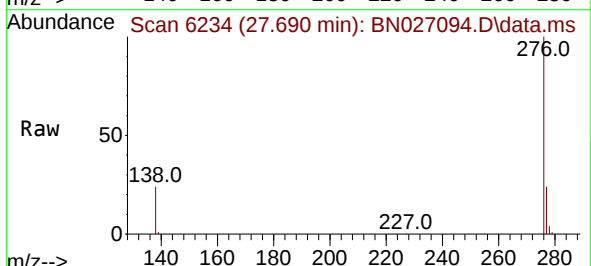
Tgt Ion:278 Resp: 161610
Ion Ratio Lower Upper
278 100
139 20.1 15.7 23.5
279 29.0 20.2 30.4

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Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#29
Benzo(g,h,i)perylene
Concen: 4.308 ng/ul
RT: 27.690 min Scan# 6234
Delta R.T. -0.006 min
Lab File: BN027094.D
Acq: 24 Aug 2023 11:33



Tgt Ion:276 Resp: 531226
Ion Ratio Lower Upper
276 100
138 23.8 19.3 28.9
277 24.5 19.8 29.8

