

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
 Data File : BN026996.D
 Acq On : 21 Aug 2023 17:09
 Operator : MA/JU
 Sample : 03967-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48L7

Manual Integrations
 APPROVED

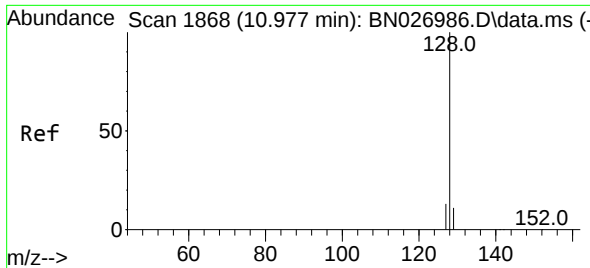
Reviewed By :Yogesh Patel 08/22/2023
 Supervised By :mohammad ahmed 08/22/2023

Quant Time: Aug 22 01:39:21 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)

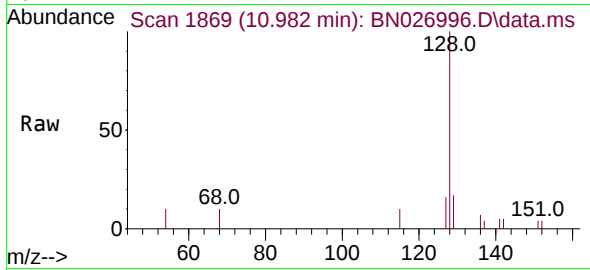
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.101	152	7529	0.400	ng/ul	0.00
4) Naphthalene-d8	10.927	136	24197	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.731	164	14326	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.472	188	32545	0.400	ng/ul	0.00
17) Chrysene-d12	21.647	240	26075	0.400	ng/ul	0.00
23) Perylene-d12	24.190	264	25990	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.443	96	31584	3.534	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.500	152	5868	0.165	ng/ul	0.00
18) Fluoranthene-d10	19.487	212	15331	0.186	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.982	128	3215	0.047	ng/ul#	90
7) 2-Methylnaphthalene	12.577	142	992	0.024	ng/ul	99
10) Acenaphthylene	14.458	152	6046	0.075	ng/ul	96
11) Acenaphthene	14.791	153	1139	0.021	ng/ul	96
12) Fluorene	15.772	166	1922	0.031	ng/ul#	96
15) Phenanthrene	17.515	178	33195	0.310	ng/ul	99
16) Anthracene	17.608	178	8277	0.086	ng/ul	96
19) Fluoranthene	19.520	202	89217	0.824	ng/ul	98
20) Pyrene	19.887	202	85442m	0.739	ng/ul	
21) Benzo(a)anthracene	21.630	228	45495	0.439	ng/ul	99
22) Chrysene	21.685	228	49485m	0.483	ng/ul	
24) Benzo(b)fluoranthene	23.401	252	68108m	0.693	ng/ul	
25) Benzo(k)fluoranthene	23.451	252	27614m	0.285	ng/ul	
26) Benzo(a)pyrene	24.073	252	46359	0.523	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	26.874	276	28897	0.249	ng/ul#	93
28) Dibenzo(a,h)anthracene	26.894	278	6313	0.068	ng/ul#	68
29) Benzo(g,h,i)perylene	27.716	276	28737	0.297	ng/ul	97

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



#5
Naphthalene
Concen: 0.047 ng/ul
RT: 10.982 min Scan# 1869
Delta R.T. -0.000 min
Lab File: BN026996.D
Acq: 21 Aug 2023 17:09

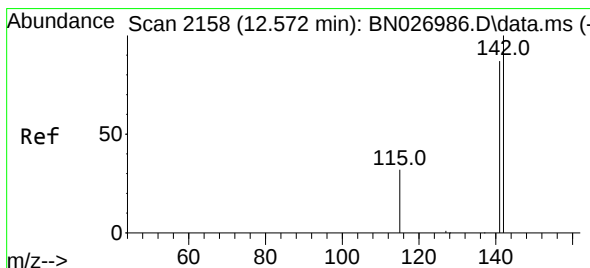
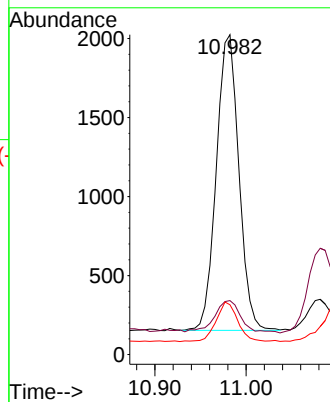
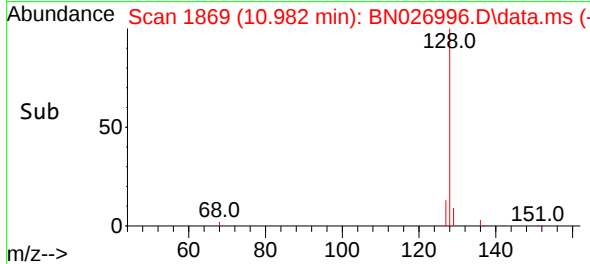
Instrument :
BNA_N
ClientSampleId :
A48L7



Tgt Ion:128 Resp: 3215
Ion Ratio Lower Upper
128 100
129 16.9 9.2 13.8
127 15.6 10.5 15.7

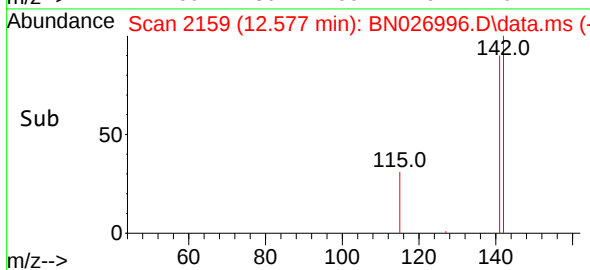
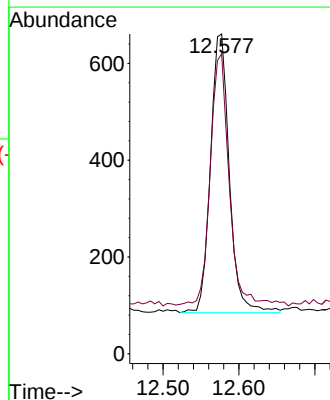
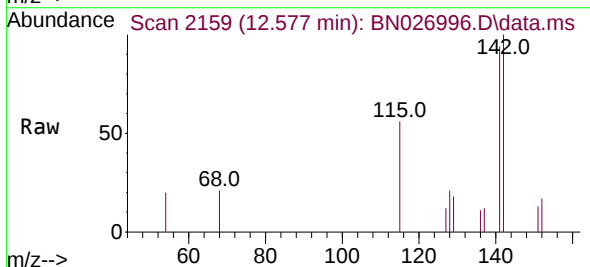
Manual Integrations
APPROVED

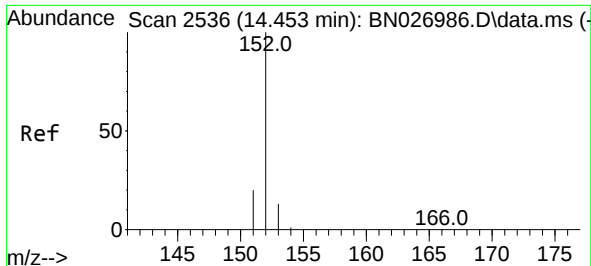
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#7
2-Methylnaphthalene
Concen: 0.024 ng/ul
RT: 12.577 min Scan# 2159
Delta R.T. -0.000 min
Lab File: BN026996.D
Acq: 21 Aug 2023 17:09

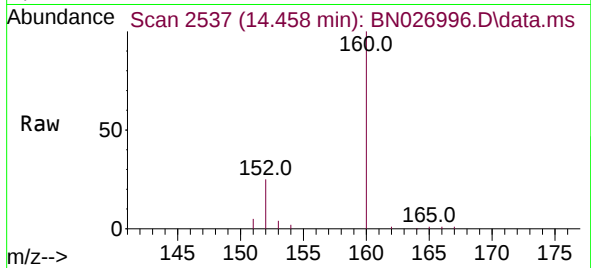
Tgt Ion:142 Resp: 992
Ion Ratio Lower Upper
142 100
141 89.4 70.9 106.3





#10
Acenaphthylene
Concen: 0.075 ng/ul
RT: 14.458 min Scan# 2537
Delta R.T. 0.000 min
Lab File: BN026996.D
Acq: 21 Aug 2023 17:09

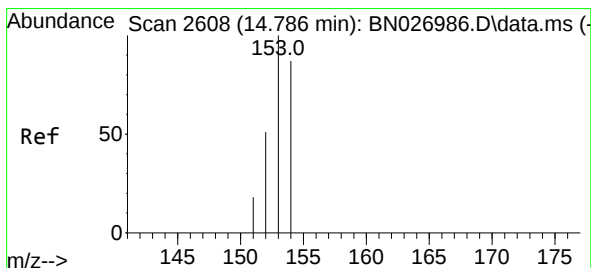
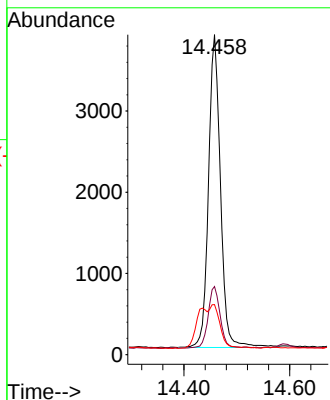
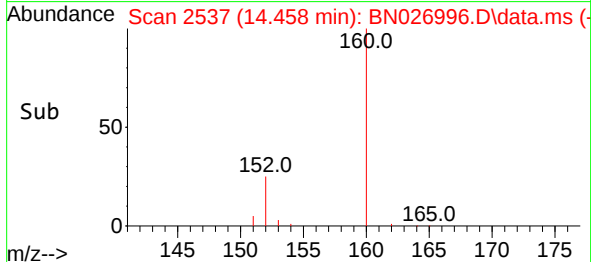
Instrument :
BNA_N
ClientSampleId :
A48L7



Tgt Ion:152 Resp: 6046
Ion Ratio Lower Upper
152 100
151 21.3 15.9 23.9
153 15.7 11.0 16.6

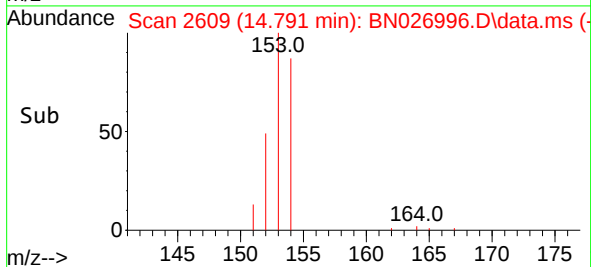
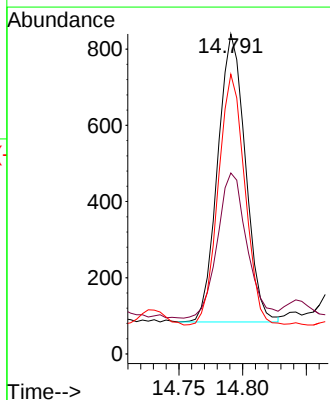
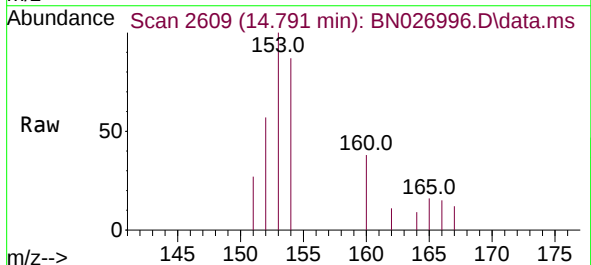
Manual Integrations
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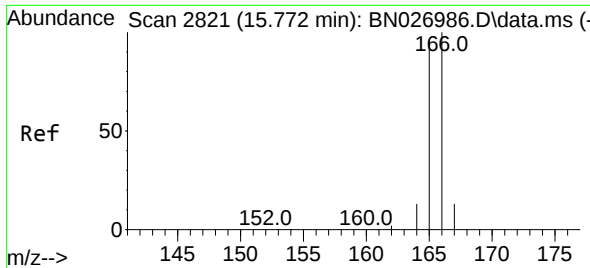
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#11
Acenaphthene
Concen: 0.021 ng/ul
RT: 14.791 min Scan# 2609
Delta R.T. -0.000 min
Lab File: BN026996.D
Acq: 21 Aug 2023 17:09

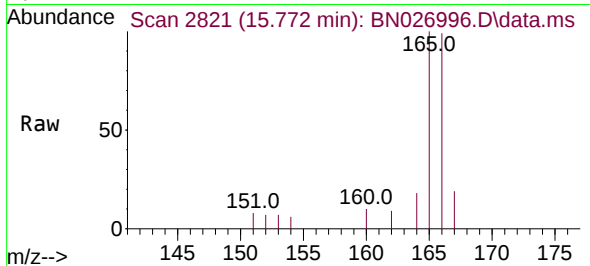
Tgt Ion:153 Resp: 1139
Ion Ratio Lower Upper
153 100
152 56.5 41.1 61.7
154 87.4 71.6 107.4





#12
Fluorene
Concen: 0.031 ng/ul
RT: 15.772 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BN026996.D
Acq: 21 Aug 2023 17:09

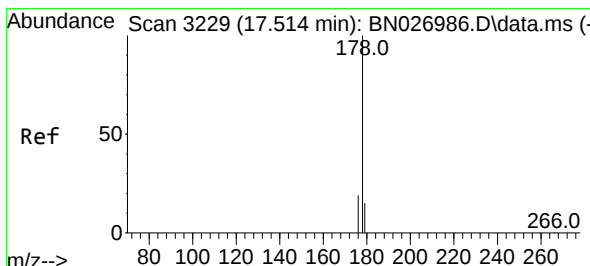
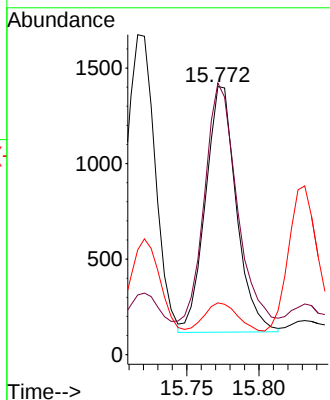
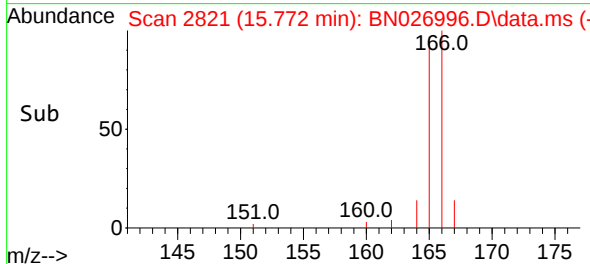
Instrument :
BNA_N
ClientSampleId :
A48L7



Tgt Ion:166 Resp: 1922
Ion Ratio Lower Upper
166 100
165 101.4 79.1 118.7
167 19.3 11.4 17.0

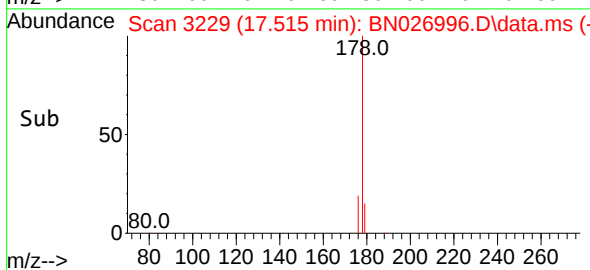
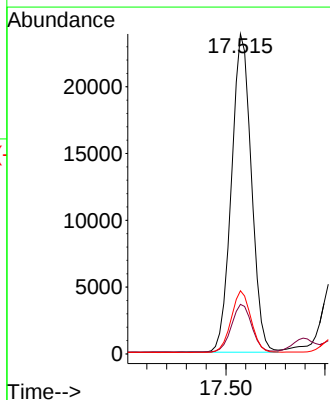
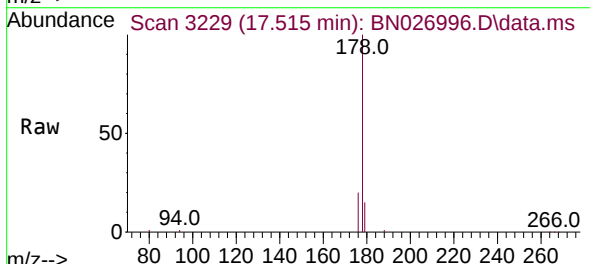
Manual Integrations
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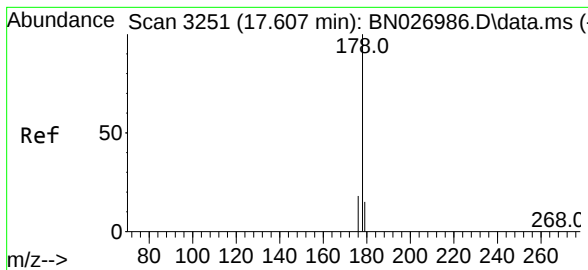
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#15
Phenanthrene
Concen: 0.310 ng/ul
RT: 17.515 min Scan# 3229
Delta R.T. -0.004 min
Lab File: BN026996.D
Acq: 21 Aug 2023 17:09

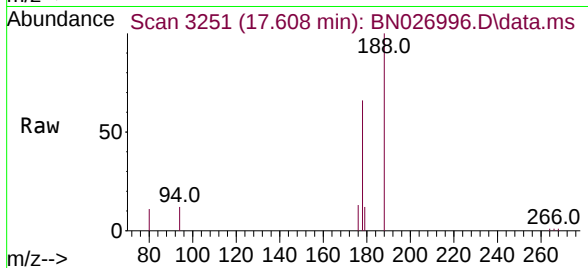
Tgt Ion:178 Resp: 33195
Ion Ratio Lower Upper
178 100
179 15.5 12.6 18.8
176 19.7 15.4 23.2





#16
 Anthracene
 Concen: 0.086 ng/ul
 RT: 17.608 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: BN026996.D
 Acq: 21 Aug 2023 17:09

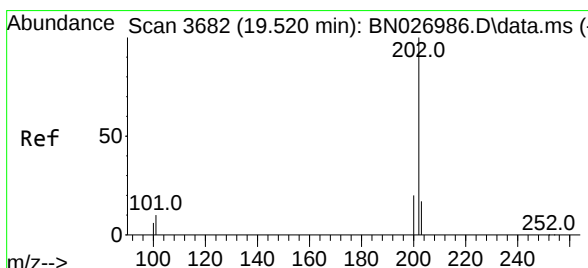
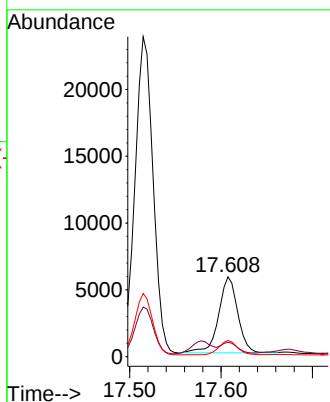
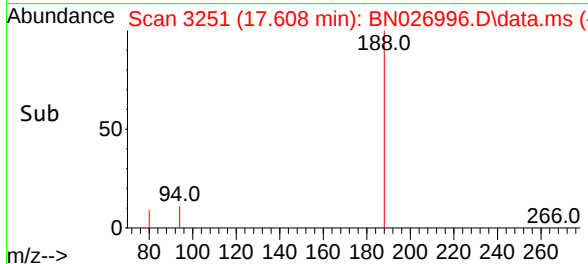
Instrument :
 BNA_N
 ClientSampleId :
 A48L7



Tgt Ion:178 Resp: 827
 Ion Ratio Lower Upper
 178 100
 179 17.9 12.6 19.0
 176 20.2 15.0 22.6

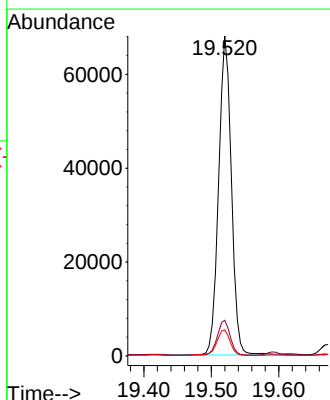
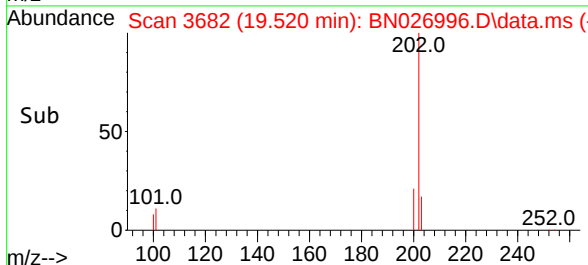
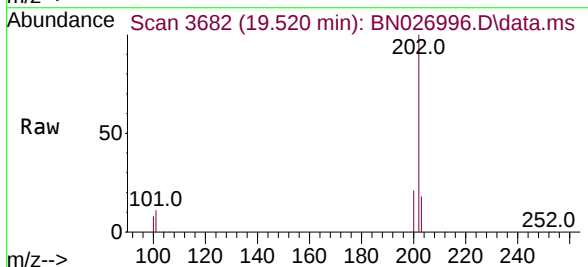
Manual Integrations
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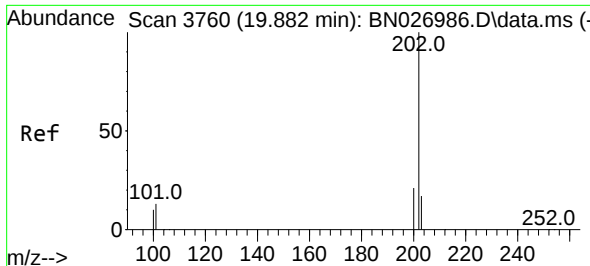
Reviewed By :Yogesh Patel 08/22/2023
 Supervised By :mohammad ahmed 08/22/2023



#19
 Fluoranthene
 Concen: 0.824 ng/ul
 RT: 19.520 min Scan# 3682
 Delta R.T. -0.005 min
 Lab File: BN026996.D
 Acq: 21 Aug 2023 17:09

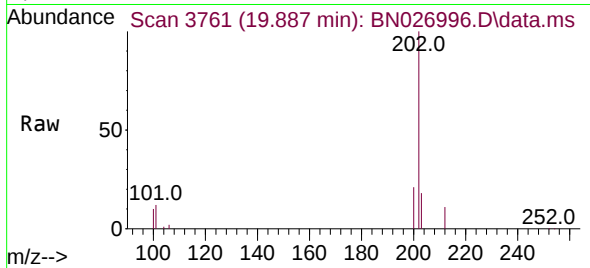
Tgt Ion:202 Resp: 89217
 Ion Ratio Lower Upper
 202 100
 101 11.1 8.3 12.5
 100 8.1 6.2 9.2





#20
Pyrene
Concen: 0.739 ng/ul m
RT: 19.887 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN026996.D
Acq: 21 Aug 2023 17:09

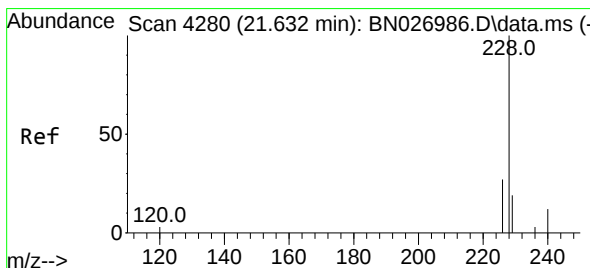
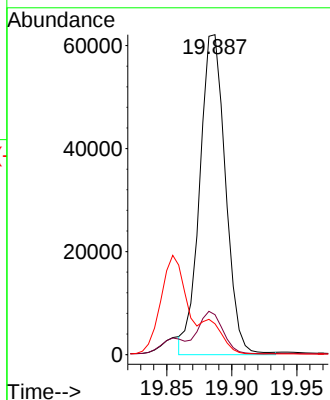
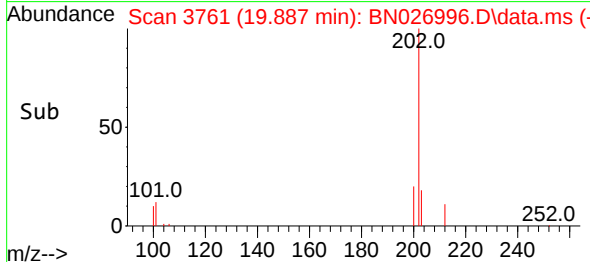
Instrument :
BNA_N
ClientSampleId :
A48L7



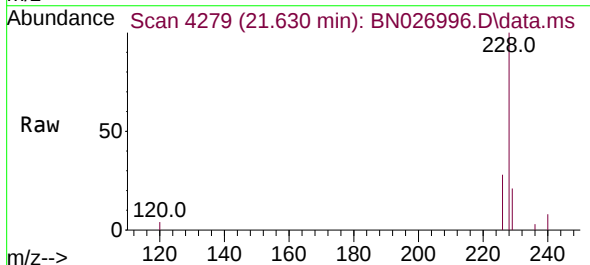
Tgt Ion:202 Resp: 85442
Ion Ratio Lower Upper
202 100
101 12.5 10.7 16.1
100 9.6 8.5 12.7

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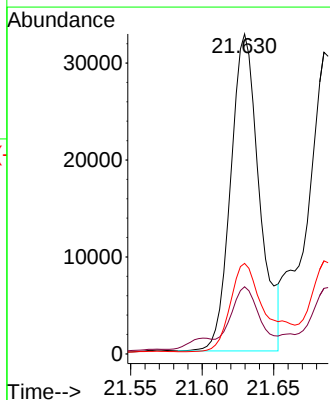
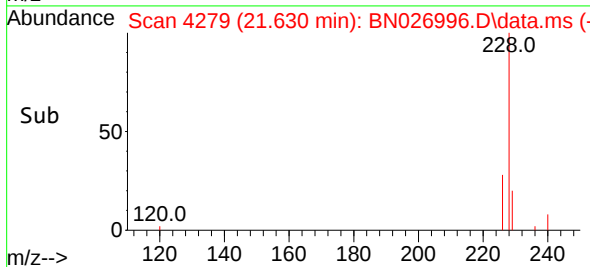
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

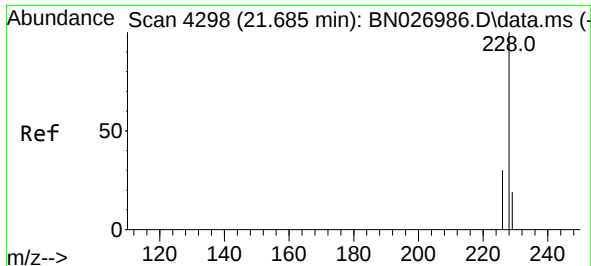


#21
Benzo(a)anthracene
Concen: 0.439 ng/ul
RT: 21.630 min Scan# 4279
Delta R.T. -0.003 min
Lab File: BN026996.D
Acq: 21 Aug 2023 17:09



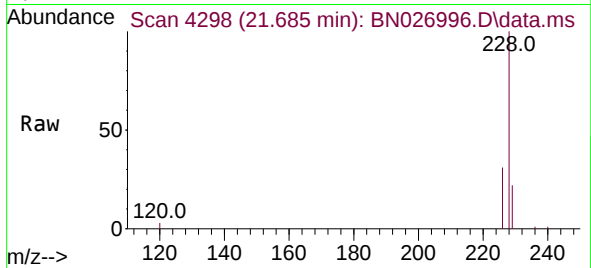
Tgt Ion:228 Resp: 45495
Ion Ratio Lower Upper
228 100
229 21.0 16.0 24.0
226 28.3 22.2 33.2





#22
Chrysene
Concen: 0.483 ng/ul m
RT: 21.685 min Scan# 4298
Delta R.T. -0.006 min
Lab File: BN026996.D
Acq: 21 Aug 2023 17:09

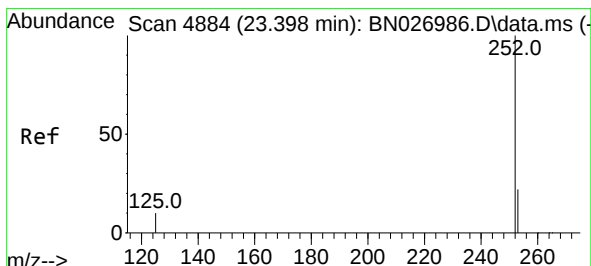
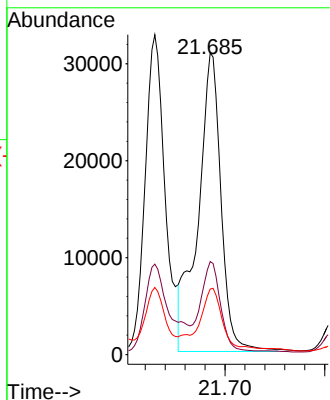
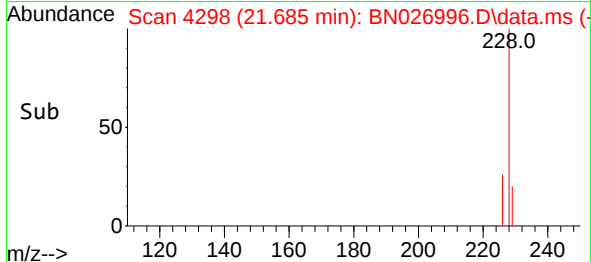
Instrument :
BNA_N
ClientSampleId :
A48L7



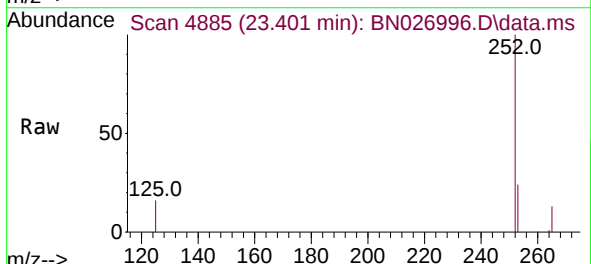
Tgt Ion:228 Resp: 49485
Ion Ratio Lower Upper
228 100
226 30.8 24.6 36.8
229 21.7 15.8 23.6

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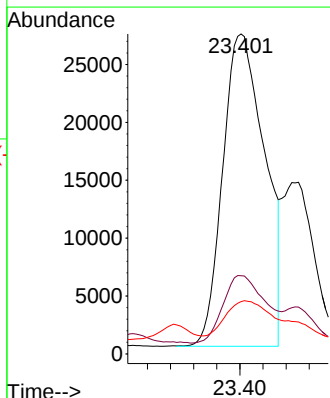
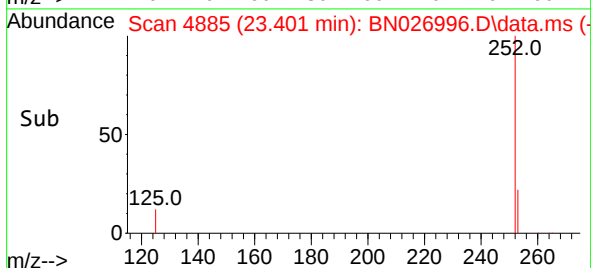
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

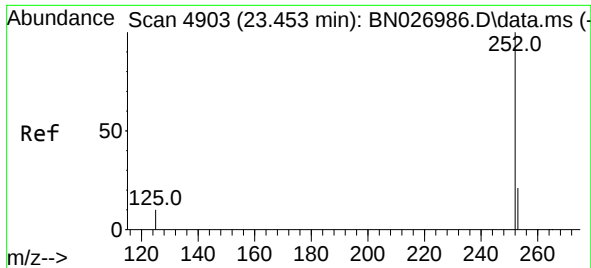


#24
Benzo(b)fluoranthene
Concen: 0.693 ng/ul m
RT: 23.401 min Scan# 4885
Delta R.T. -0.006 min
Lab File: BN026996.D
Acq: 21 Aug 2023 17:09



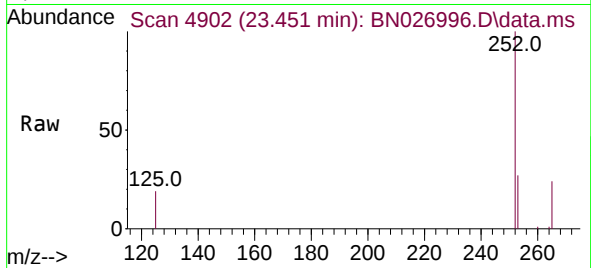
Tgt Ion:252 Resp: 68108
Ion Ratio Lower Upper
252 100
253 24.4 0.0 46.8
125 16.3 0.0 25.2





#25
Benzo(k)fluoranthene
Concen: 0.285 ng/ul m
RT: 23.451 min Scan# 4903
Delta R.T. -0.009 min
Lab File: BN026996.D
Acq: 21 Aug 2023 17:09

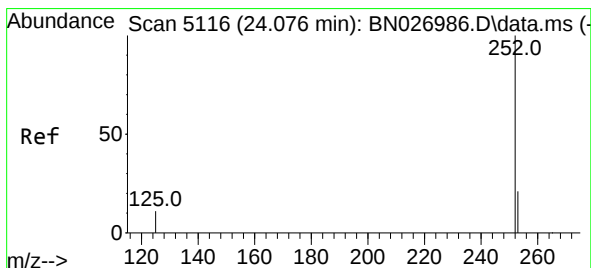
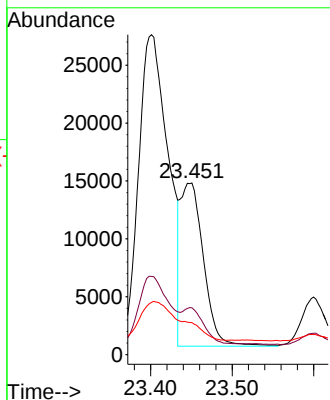
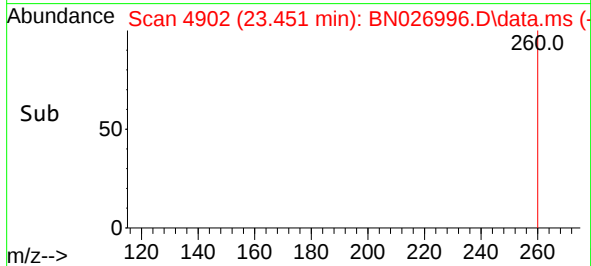
Instrument :
BNA_N
ClientSampleId :
A48L7



Tgt Ion:252 Resp: 27614
Ion Ratio Lower Upper
252 100
253 27.3 18.2 27.4
125 18.6 9.9 14.9

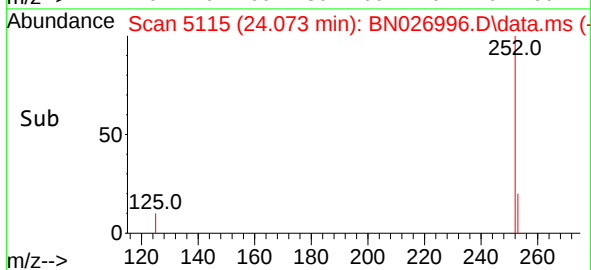
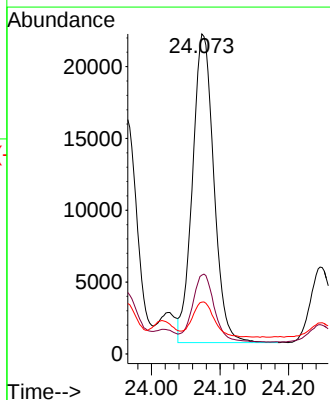
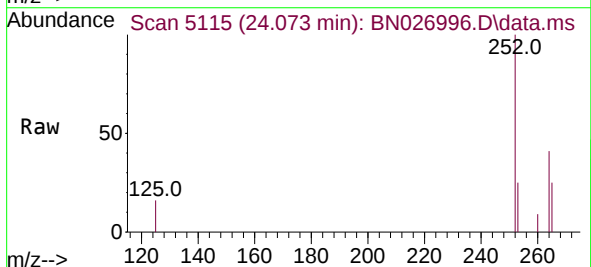
Manual Integrations
APPROVED

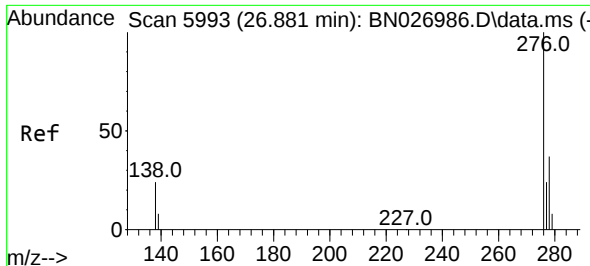
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#26
Benzo(a)pyrene
Concen: 0.523 ng/ul
RT: 24.073 min Scan# 5115
Delta R.T. -0.012 min
Lab File: BN026996.D
Acq: 21 Aug 2023 17:09

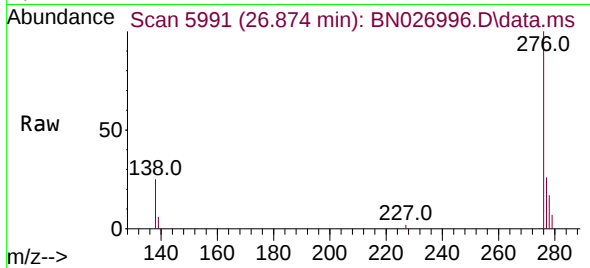
Tgt Ion:252 Resp: 46359
Ion Ratio Lower Upper
252 100
253 24.6 19.0 28.6
125 16.2 11.4 17.0





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.249 ng/ul
RT: 26.874 min Scan# 5993
Delta R.T. -0.011 min
Lab File: BN026996.D
Acq: 21 Aug 2023 17:09

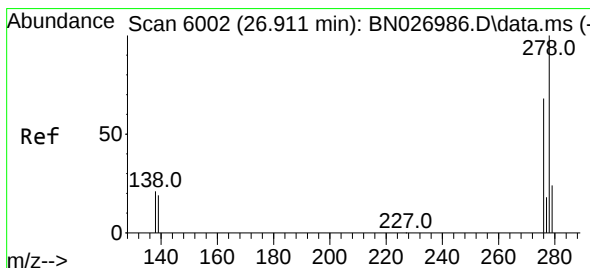
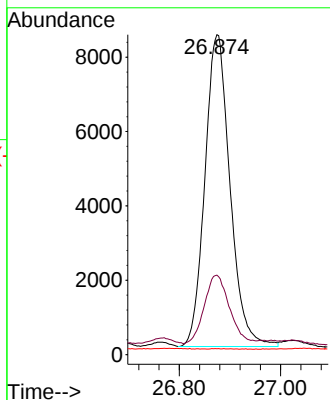
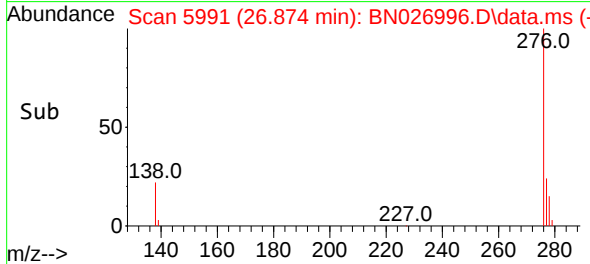
Instrument :
BNA_N
ClientSampleId :
A48L7



Tgt Ion:276 Resp: 2889
Ion Ratio Lower Upper
276 100
138 23.5 21.6 32.4
227 0.0 0.0 0.0

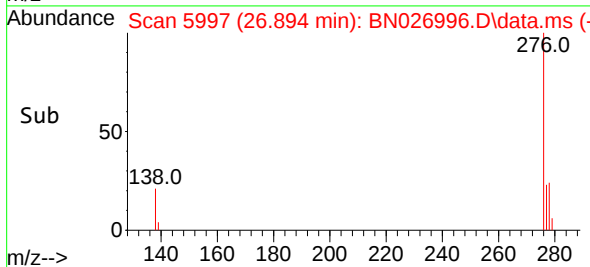
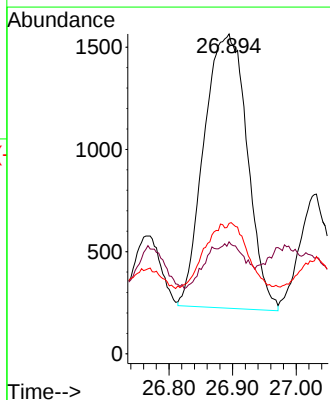
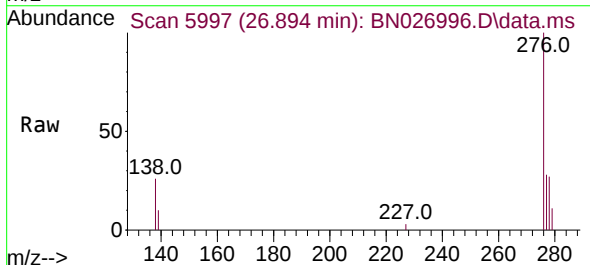
Manual Integrations
APPROVED

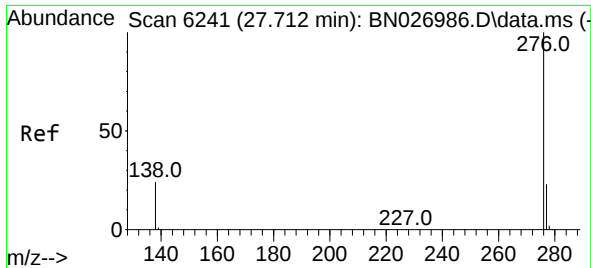
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#28
Dibenzo(a,h)anthracene
Concen: 0.068 ng/ul
RT: 26.894 min Scan# 5997
Delta R.T. -0.027 min
Lab File: BN026996.D
Acq: 21 Aug 2023 17:09

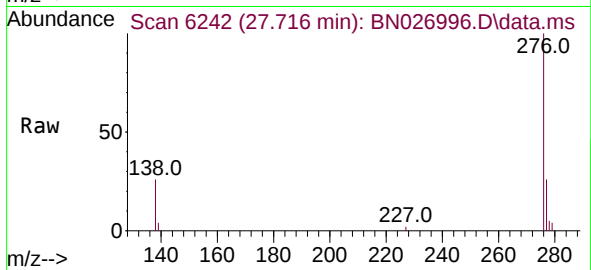
Tgt Ion:278 Resp: 6313
Ion Ratio Lower Upper
278 100
139 35.0 15.7 23.5#
279 40.8 20.2 30.4#





#29
 Benzo(g,h,i)perylene
 Concen: 0.297 ng/ul
 RT: 27.716 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN026996.D
 Acq: 21 Aug 2023 17:09

Instrument :
 BNA_N
 ClientSampleId :
 A48L7



Tgt Ion:276 Resp: 2873
 Ion Ratio Lower Upper
 276 100
 138 25.9 19.3 28.9
 277 26.1 19.8 29.8

Manual Integrations
 APPROVED

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

