

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
 Data File : BN027011.D
 Acq On : 22 Aug 2023 03:03
 Operator : MA/JU
 Sample : 03967-23
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48N4

Manual Integrations
 APPROVED

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

Quant Time: Aug 22 03:40:25 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	9299	0.400	ng/u1	0.00
4) Naphthalene-d8	10.927	136	29775	0.400	ng/u1	0.00
9) Acenaphthene-d10	14.726	164	17330	0.400	ng/u1	0.00
13) Phenanthrene-d10	17.472	188	37233	0.400	ng/u1	0.00
17) Chrysene-d12	21.641	240	23499	0.400	ng/u1	# 0.00
23) Perylene-d12	24.184	264	20247	0.400	ng/u1	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	33501	3.035	ng/u1	0.00
6) 2-Methylnaphthalene-d10	12.500	152	8202	0.187	ng/u1	0.00
18) Fluoranthene-d10	19.487	212	18888	0.255	ng/u1	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.977	128	27255	0.324	ng/u1	99
7) 2-Methylnaphthalene	12.571	142	12993	0.255	ng/u1	100
8) 1-Methylnaphthalene	12.786	142	8728	0.164	ng/u1	100
10) Acenaphthylene	14.453	152	49076	0.505	ng/u1	100
11) Acenaphthene	14.791	153	11401	0.170	ng/u1	98
12) Fluorene	15.771	166	14436	0.190	ng/u1	98
14) Pentachlorophenol	17.097	266	1161	0.110	ng/u1	98
15) Phenanthrene	17.515	178	368053	3.009	ng/u1	100
16) Anthracene	17.607	178	71860	0.650	ng/u1	99
19) Fluoranthene	19.520	202	727642	7.455	ng/u1	100
20) Pyrene	19.882	202	657579m	6.314	ng/u1	
21) Benzo(a)anthracene	21.624	228	270022	2.889	ng/u1	97
22) Chrysene	21.679	228	346565	3.757	ng/u1	97
24) Benzo(b)fluoranthene	23.395	252	415680m	5.428	ng/u1	
25) Benzo(k)fluoranthene	23.442	252	125027m	1.655	ng/u1	
26) Benzo(a)pyrene	24.067	252	244094	3.532	ng/u1	98
27) Indeno(1,2,3-cd)pyrene	26.877	276	184368	2.039	ng/u1#	98
28) Dibenzo(a,h)anthracene	26.887	278	50767	0.705	ng/u1#	69
29) Benzo(g,h,i)perylene	27.719	276	201420	2.676	ng/u1	97

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

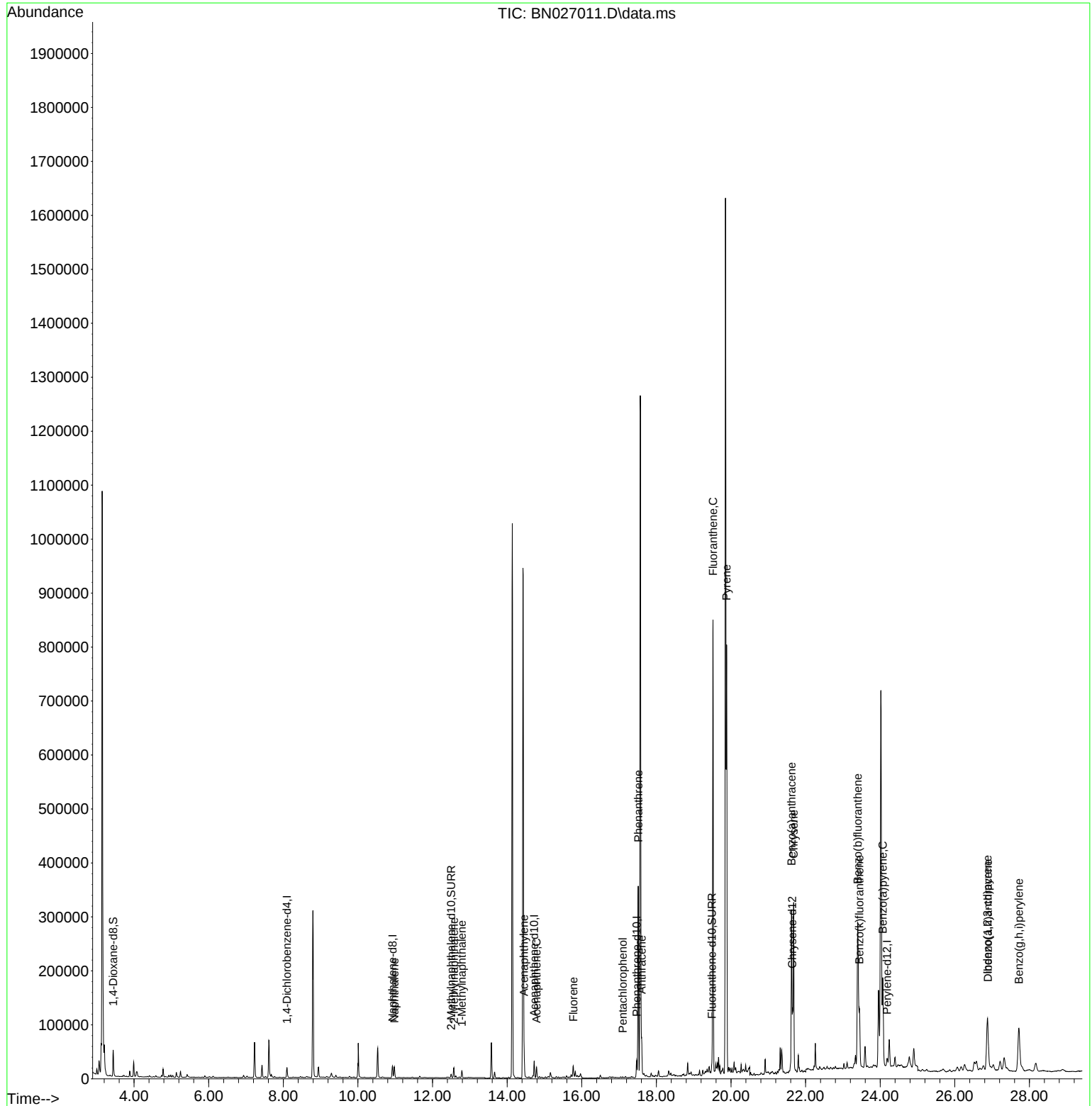
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
Data File : BN027011.D
Acq On : 22 Aug 2023 03:03
Operator : MA/JU
Sample : 03967-23
Misc :
ALS Vial : 28 Sample Multiplier: 1

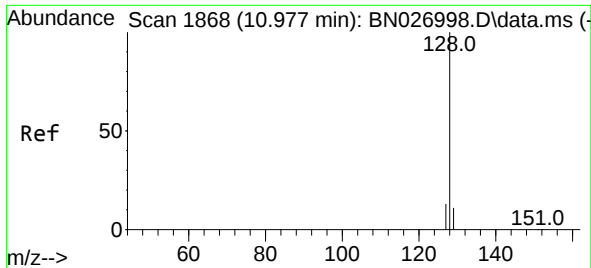
Instrument :
BNA_N
ClientSampleId :
A48N4

Manual Integrations
APPROVED

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

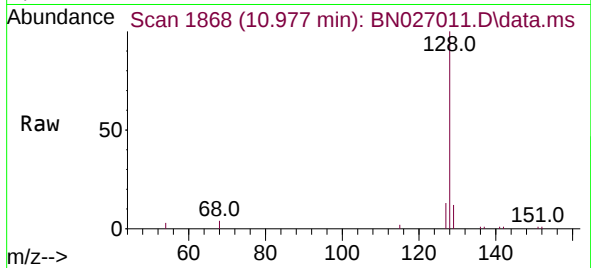
Quant Time: Aug 22 03:40:25 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN080323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 18 13:11:26 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.324 ng/ul
RT: 10.977 min Scan# 1868
Delta R.T. -0.006 min
Lab File: BN027011.D
Acq: 22 Aug 2023 03:03

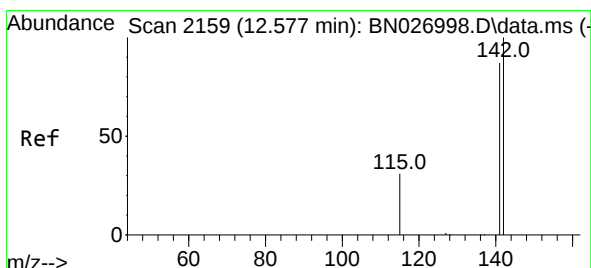
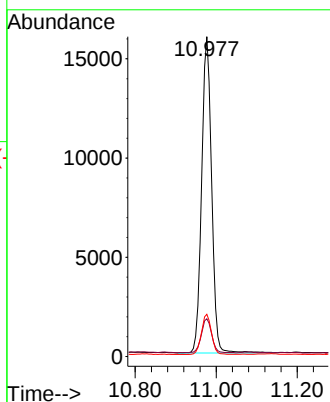
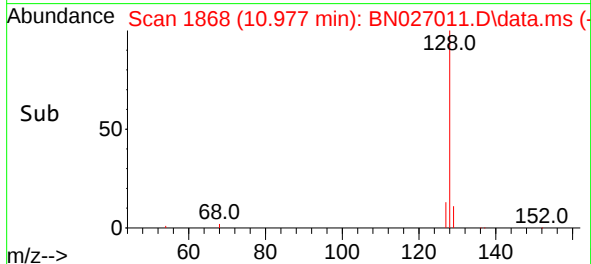
Instrument :
BNA_N
ClientSampleId :
A48N4



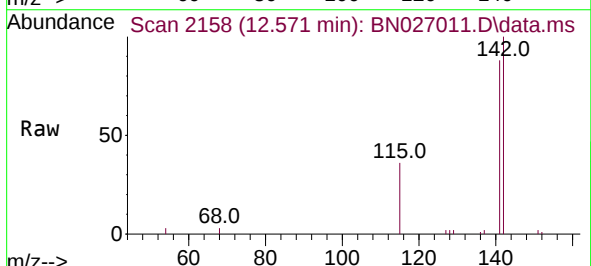
Tgt Ion:128 Resp: 2725
Ion Ratio Lower Upper
128 100
129 11.8 9.2 13.8
127 13.2 10.5 15.7

Manual Integrations
APPROVED

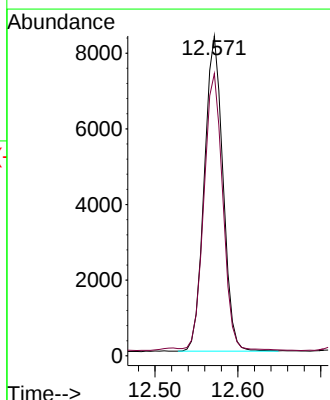
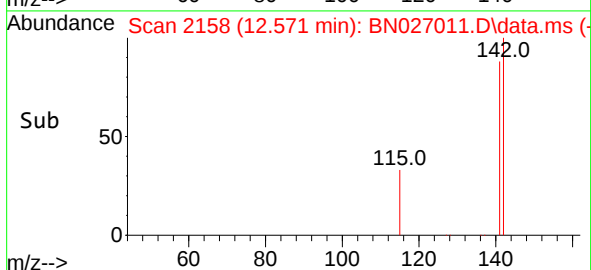
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

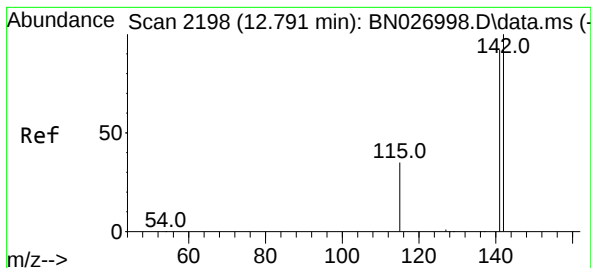


#7
2-Methylnaphthalene
Concen: 0.255 ng/ul
RT: 12.571 min Scan# 2158
Delta R.T. -0.006 min
Lab File: BN027011.D
Acq: 22 Aug 2023 03:03



Tgt Ion:142 Resp: 12993
Ion Ratio Lower Upper
142 100
141 88.5 70.9 106.3





#8

1-Methylnaphthalene

Concen: 0.164 ng/ul

RT: 12.786 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BN027011.D

Acq: 22 Aug 2023 03:03

Instrument :

BNA_N

ClientSampleId :

A48N4

Tgt Ion:142 Resp: 8728

Ion Ratio Lower Upper

142 100

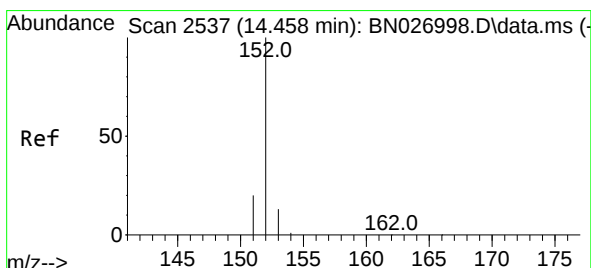
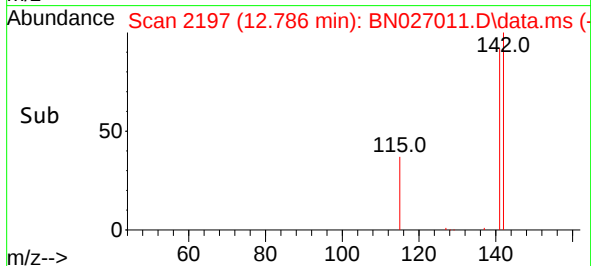
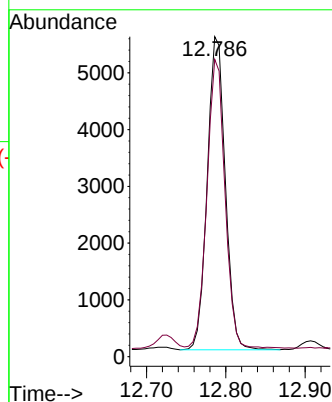
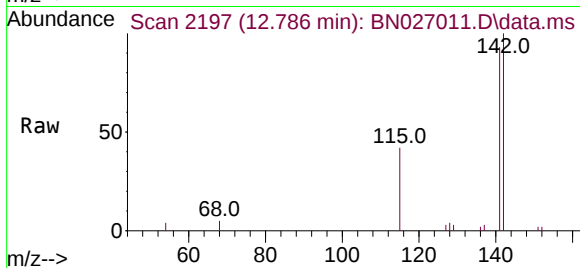
141 91.5 73.2 109.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2023

Supervised By :mohammad ahmed 08/22/2023



#10

Acenaphthylene

Concen: 0.505 ng/ul

RT: 14.453 min Scan# 2536

Delta R.T. -0.005 min

Lab File: BN027011.D

Acq: 22 Aug 2023 03:03

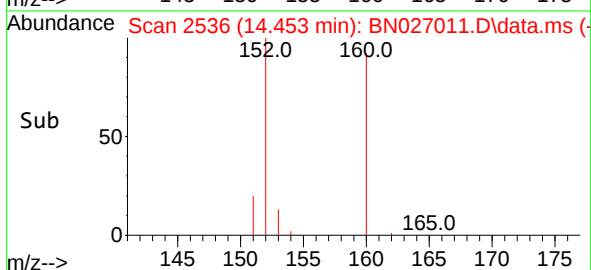
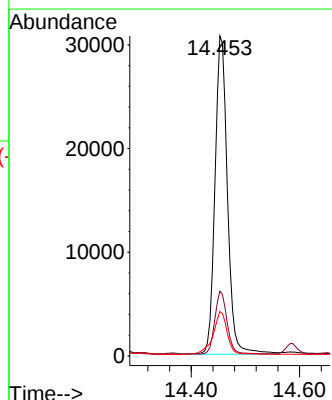
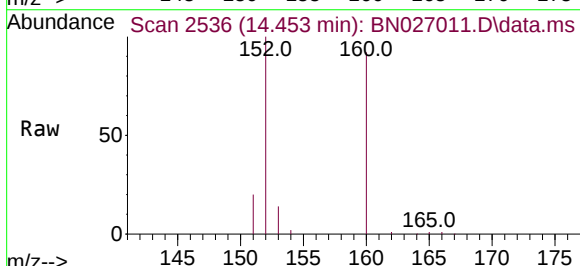
Tgt Ion:152 Resp: 49076

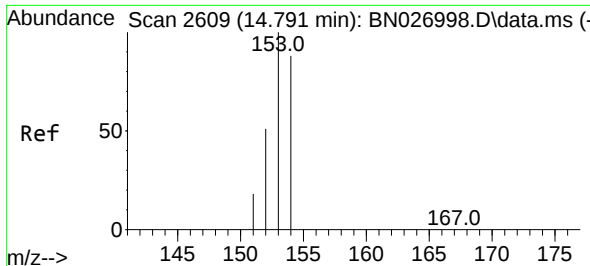
Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

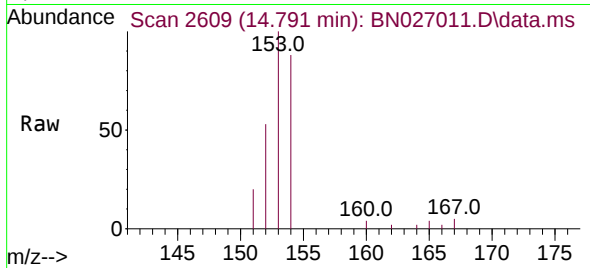
153 13.8 11.0 16.6





#11
Acenaphthene
Concen: 0.170 ng/ul
RT: 14.791 min Scan# 2609
Delta R.T. -0.000 min
Lab File: BN027011.D
Acq: 22 Aug 2023 03:03

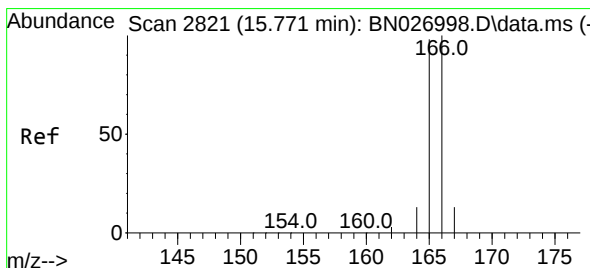
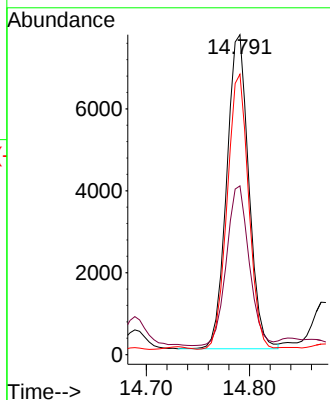
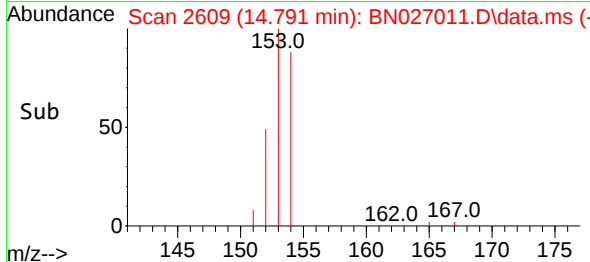
Instrument :
BNA_N
ClientSampleId :
A48N4



Tgt Ion:153 Resp: 11401
Ion Ratio Lower Upper
153 100
152 52.7 41.1 61.7
154 87.6 71.6 107.4

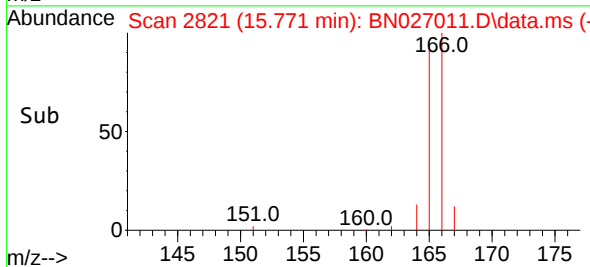
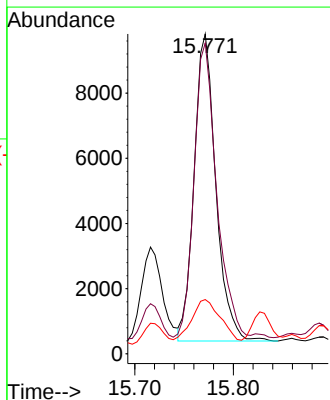
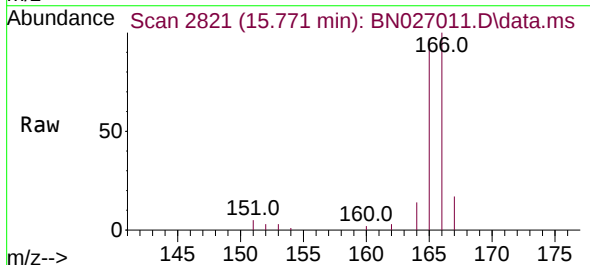
Manual Integrations
APPROVED

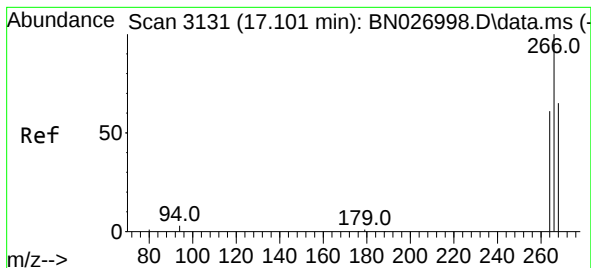
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#12
Fluorene
Concen: 0.190 ng/ul
RT: 15.771 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BN027011.D
Acq: 22 Aug 2023 03:03

Tgt Ion:166 Resp: 14436
Ion Ratio Lower Upper
166 100
165 97.1 79.1 118.7
167 17.0 11.4 17.0





#14

Pentachlorophenol

Concen: 0.110 ng/ul

RT: 17.097 min Scan# 3131

Delta R.T. -0.004 min

Lab File: BN027011.D

Acq: 22 Aug 2023 03:03

Instrument :

BNA_N

ClientSampleId :

A48N4

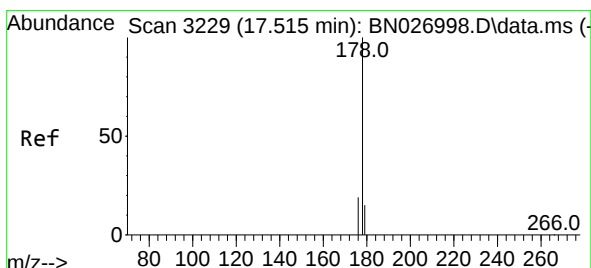
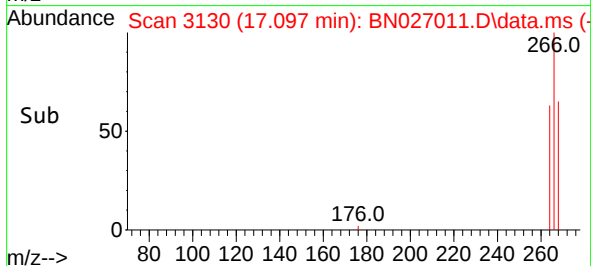
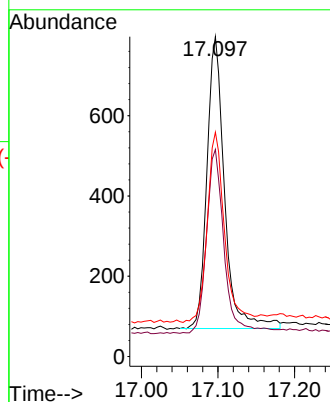
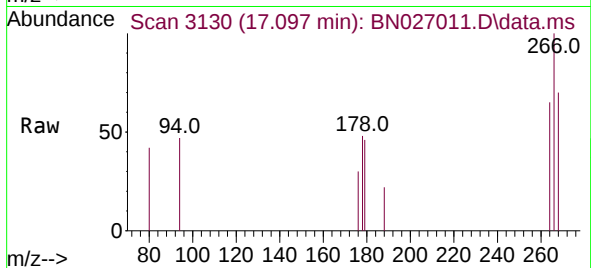
Tgt Ion:	266	Resp:	116
Ion Ratio	Lower	Upper	
266	100		
264	63.0	50.4	75.6
268	66.4	51.2	76.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2023

Supervised By :mohammad ahmed 08/22/2023



#15

Phenanthrene

Concen: 3.009 ng/ul

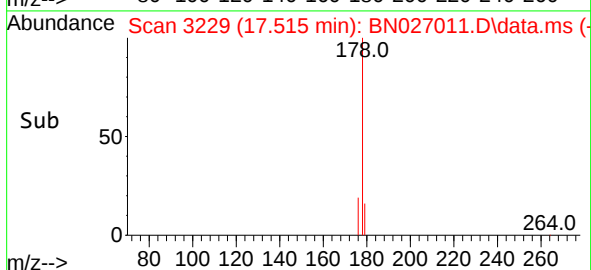
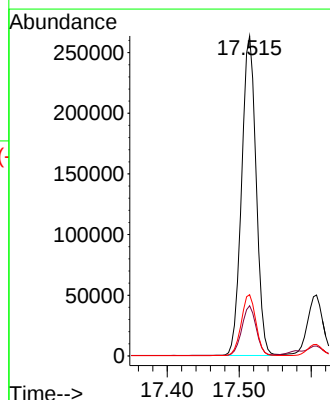
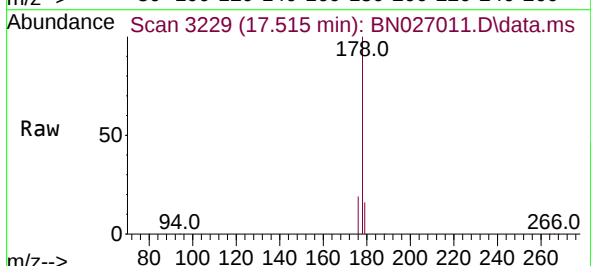
RT: 17.515 min Scan# 3229

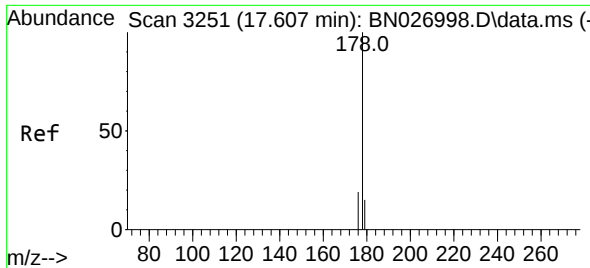
Delta R.T. -0.004 min

Lab File: BN027011.D

Acq: 22 Aug 2023 03:03

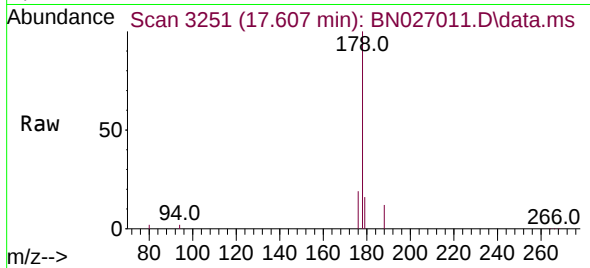
Tgt Ion:	178	Resp:	368053
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.6	18.8
176	19.2	15.4	23.2





#16
 Anthracene
 Concen: 0.650 ng/ul
 RT: 17.607 min Scan# 3251
 Delta R.T. -0.000 min
 Lab File: BN027011.D
 Acq: 22 Aug 2023 03:03

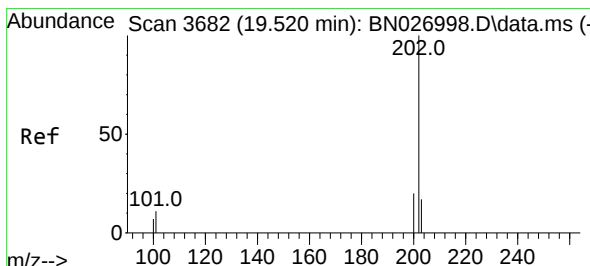
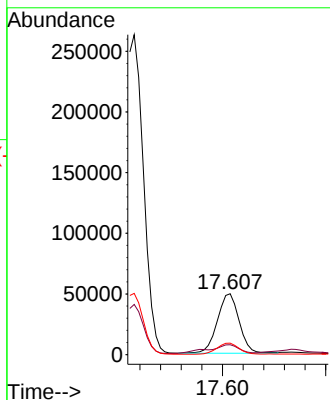
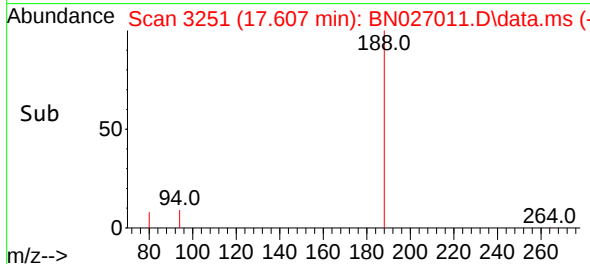
Instrument :
 BNA_N
 ClientSampleId :
 A48N4



Tgt Ion:178 Resp: 71860
 Ion Ratio Lower Upper
 178 100
 179 16.3 12.6 19.0
 176 18.8 15.0 22.6

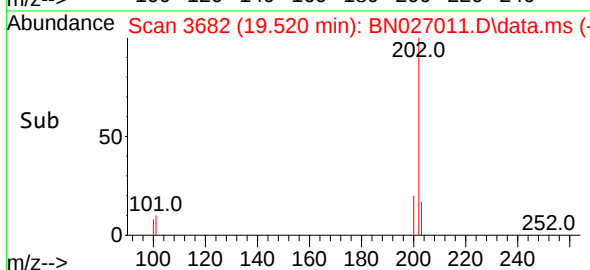
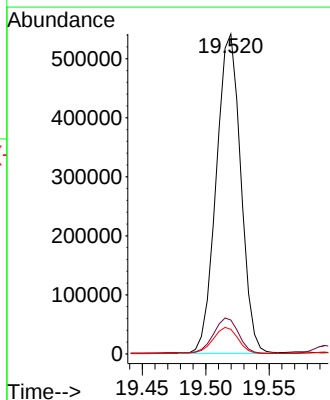
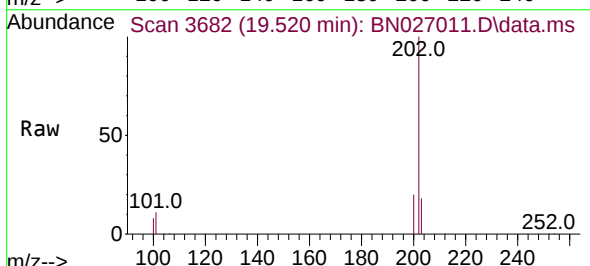
Manual Integrations
 APPROVED

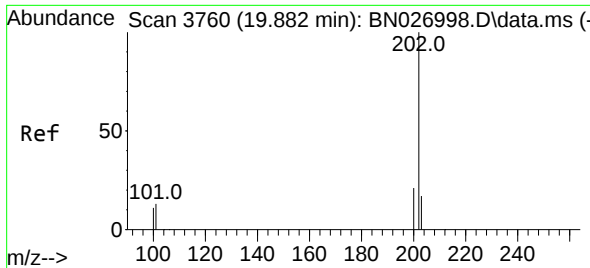
Reviewed By :Yogesh Patel 08/22/2023
 Supervised By :mohammad ahmed 08/22/2023



#19
 Fluoranthene
 Concen: 7.455 ng/ul
 RT: 19.520 min Scan# 3682
 Delta R.T. -0.005 min
 Lab File: BN027011.D
 Acq: 22 Aug 2023 03:03

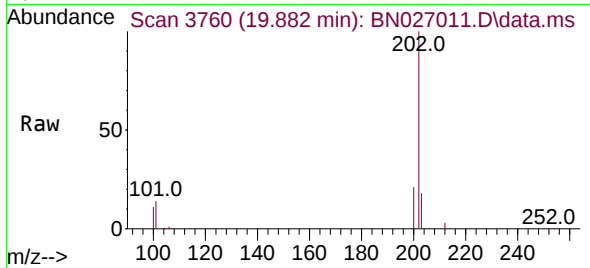
Tgt Ion:202 Resp: 727642
 Ion Ratio Lower Upper
 202 100
 101 10.6 8.3 12.5
 100 7.7 6.2 9.2





#20
Pyrene
Concen: 6.314 ng/ul m
RT: 19.882 min Scan# 3760
Delta R.T. -0.005 min
Lab File: BN027011.D
Acq: 22 Aug 2023 03:03

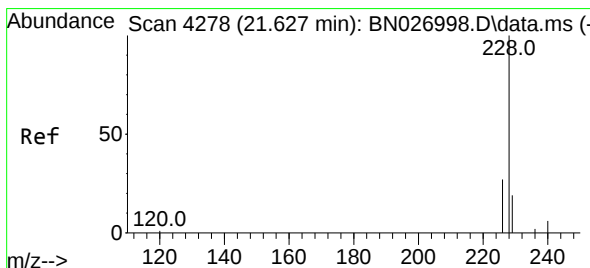
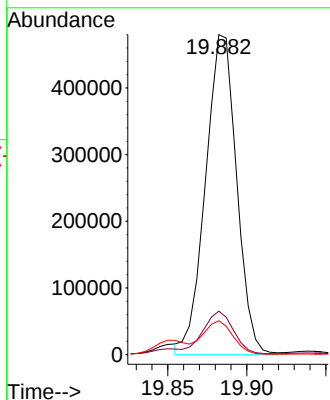
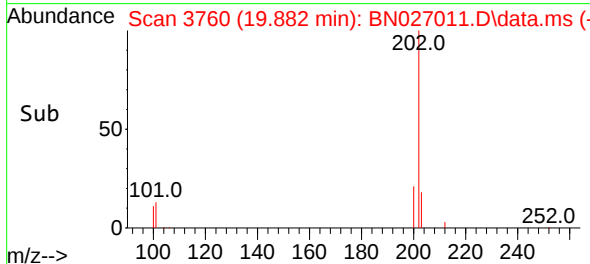
Instrument :
BNA_N
ClientSampleId :
A48N4



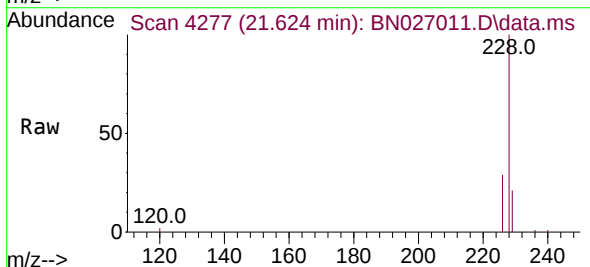
Tgt Ion:202 Resp: 657579
Ion Ratio Lower Upper
202 100
101 13.6 10.7 16.1
100 10.6 8.5 12.7

Manual Integrations
APPROVED

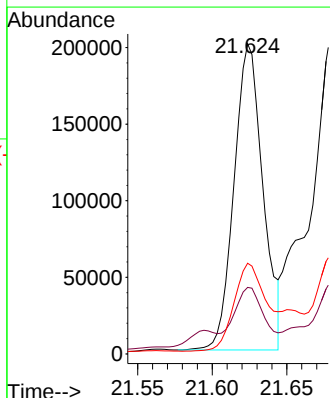
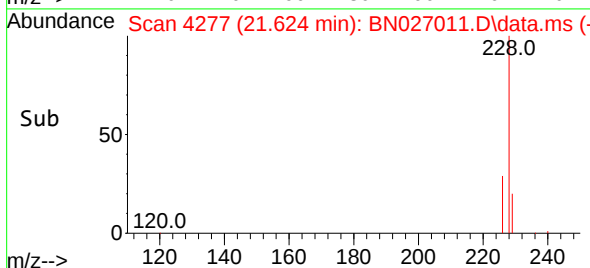
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

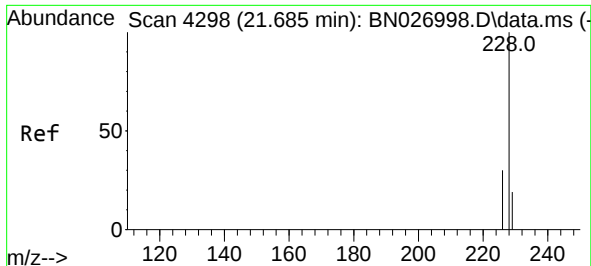


#21
Benzo(a)anthracene
Concen: 2.889 ng/ul
RT: 21.624 min Scan# 4277
Delta R.T. -0.009 min
Lab File: BN027011.D
Acq: 22 Aug 2023 03:03



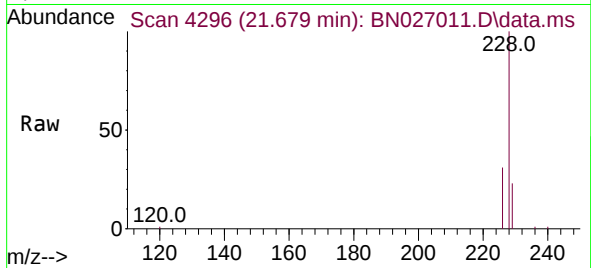
Tgt Ion:228 Resp: 270022
Ion Ratio Lower Upper
228 100
229 21.5 16.0 24.0
226 29.2 22.2 33.2





#22
Chrysene
Concen: 3.757 ng/ul
RT: 21.679 min Scan# 4298
Delta R.T. -0.012 min
Lab File: BN027011.D
Acq: 22 Aug 2023 03:03

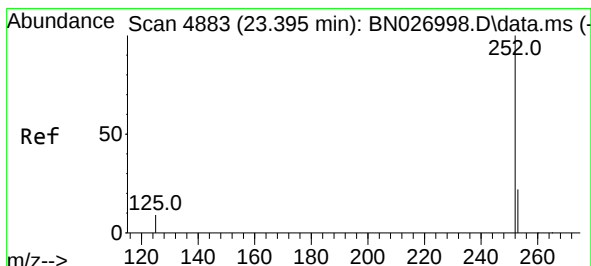
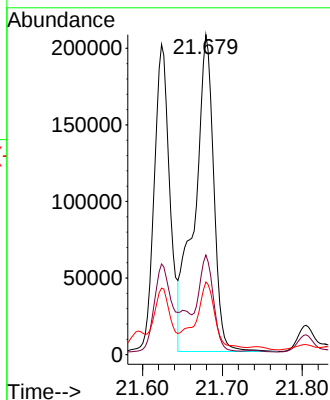
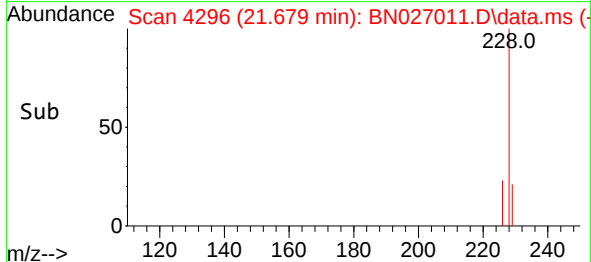
Instrument :
BNA_N
ClientSampleId :
A48N4



Tgt Ion:228 Resp: 346568
Ion Ratio Lower Upper
228 100
226 31.1 24.6 36.8
229 22.7 15.8 23.6

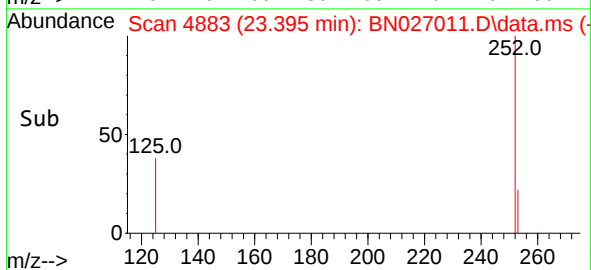
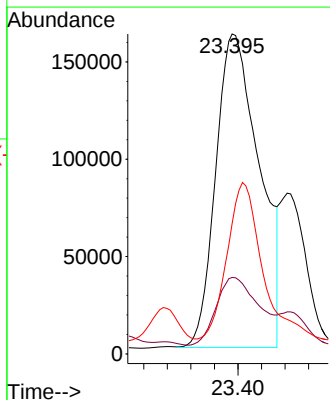
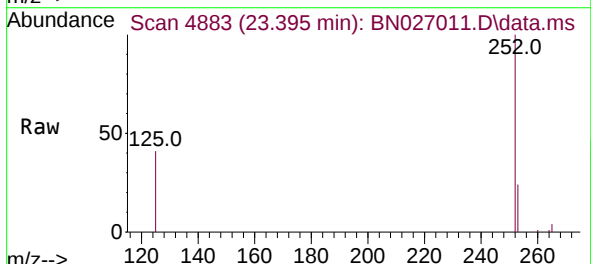
Manual Integrations
APPROVED

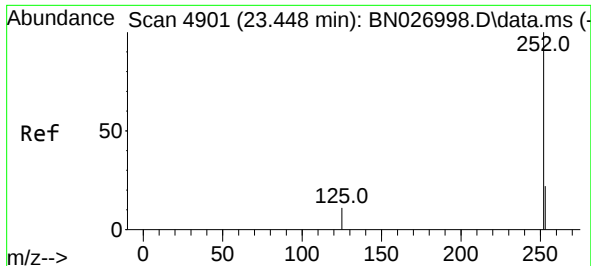
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#24
Benzo(b)fluoranthene
Concen: 5.428 ng/ul m
RT: 23.395 min Scan# 4883
Delta R.T. -0.012 min
Lab File: BN027011.D
Acq: 22 Aug 2023 03:03

Tgt Ion:252 Resp: 415680
Ion Ratio Lower Upper
252 100
253 23.9 0.0 46.8
125 40.7 0.0 25.2#





#25

Benzo(k)fluoranthene

Concen: 1.655 ng/ul m

RT: 23.442 min Scan# 4899

Delta R.T. -0.018 min

Lab File: BN027011.D

Acq: 22 Aug 2023 03:03

Instrument :

BNA_N

ClientSampleId :

A48N4

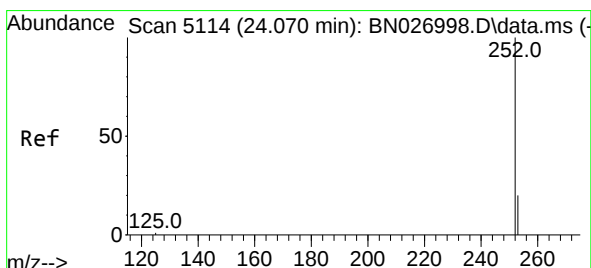
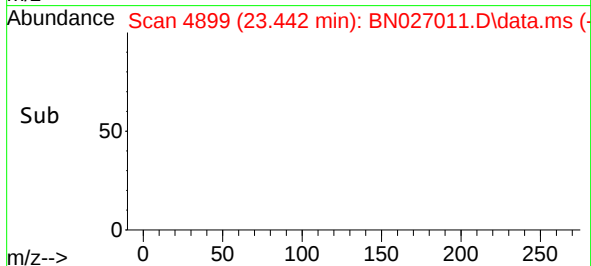
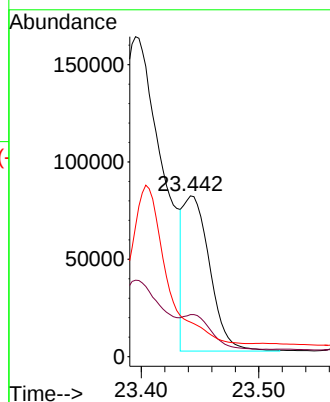
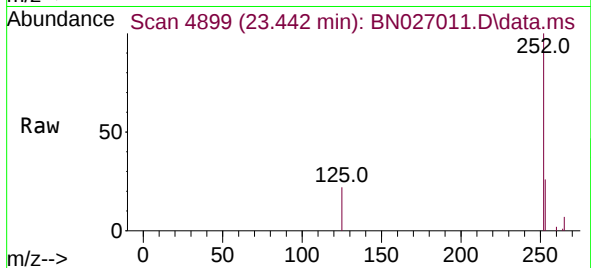
Tgt Ion:252	Resp:	125027
Ion Ratio	Lower	Upper
252	100	
253	26.1	18.2 27.4
125	21.5	9.9 14.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2023

Supervised By :mohammad ahmed 08/22/2023



#26

Benzo(a)pyrene

Concen: 3.532 ng/ul

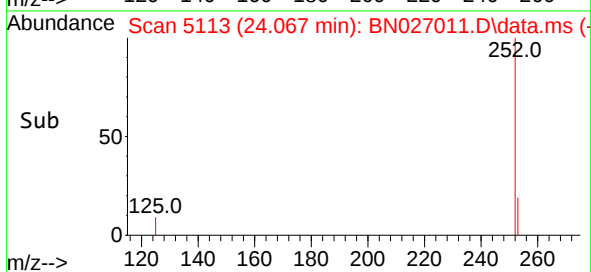
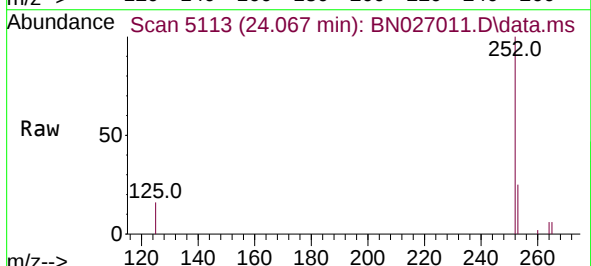
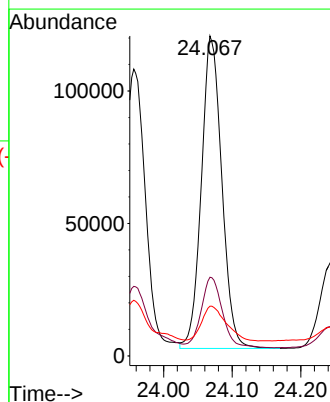
RT: 24.067 min Scan# 5113

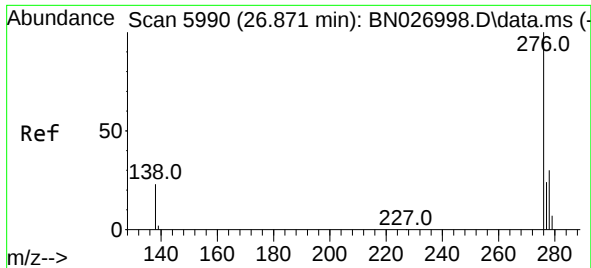
Delta R.T. -0.018 min

Lab File: BN027011.D

Acq: 22 Aug 2023 03:03

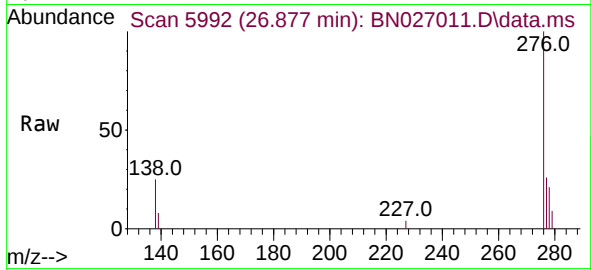
Tgt Ion:252	Resp:	244094
Ion Ratio	Lower	Upper
252	100	
253	24.6	19.0 28.6
125	15.5	11.4 17.0





#27
Indeno(1,2,3-cd)pyrene
Concen: 2.039 ng/ul
RT: 26.877 min Scan# 5992
Delta R.T. -0.007 min
Lab File: BN027011.D
Acq: 22 Aug 2023 03:03

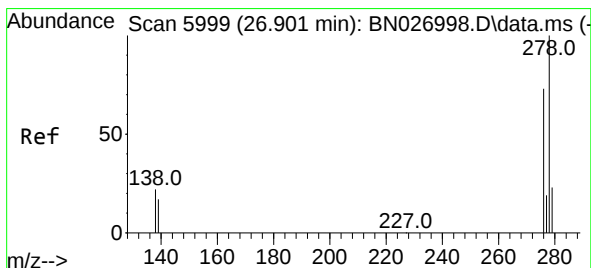
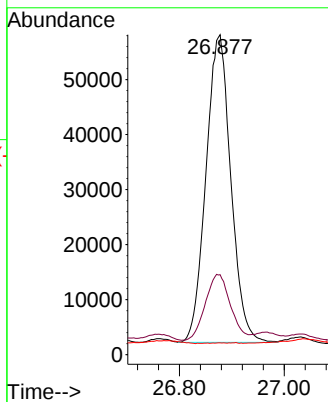
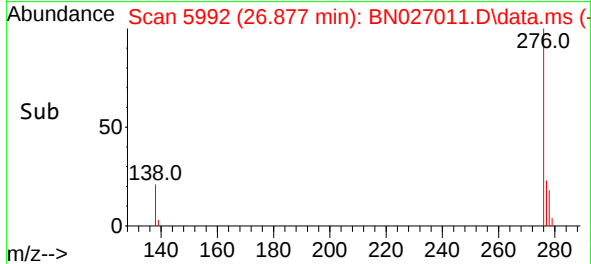
Instrument :
BNA_N
ClientSampleId :
A48N4



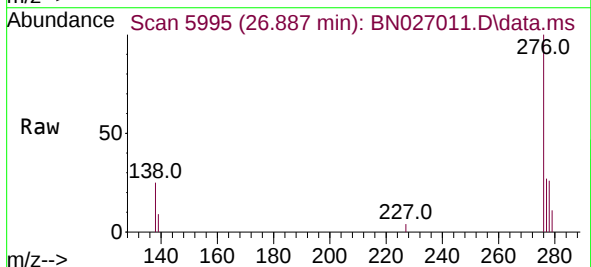
Tgt Ion:276 Resp: 184368
Ion Ratio Lower Upper
276 100
138 25.9 21.6 32.4
227 0.1 0.0 0.0

Manual Integrations
APPROVED

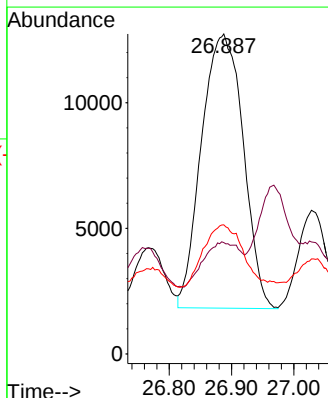
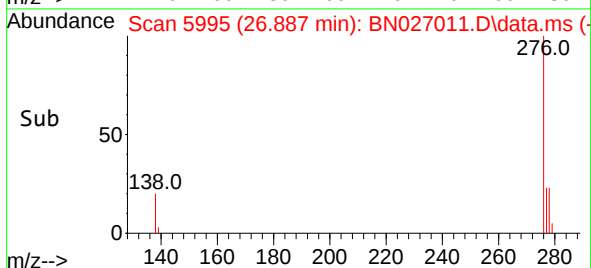
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

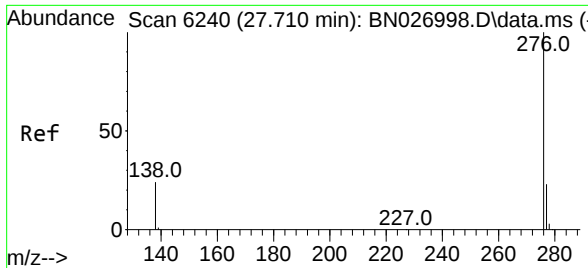


#28
Dibenzo(a,h)anthracene
Concen: 0.705 ng/ul
RT: 26.887 min Scan# 5995
Delta R.T. -0.034 min
Lab File: BN027011.D
Acq: 22 Aug 2023 03:03



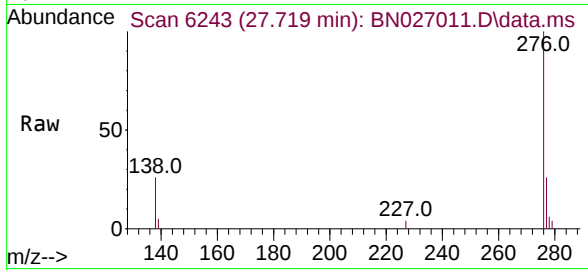
Tgt Ion:278 Resp: 50767
Ion Ratio Lower Upper
278 100
139 34.8 15.7 23.5#
279 40.3 20.2 30.4#





#29
 Benzo(g,h,i)perylene
 Concen: 2.676 ng/ul
 RT: 27.719 min Scan# 61
 Delta R.T. -0.004 min
 Lab File: BN027011.D
 Acq: 22 Aug 2023 03:03

Instrument :
 BNA_N
 ClientSampleId :
 A48N4



Tgt Ion:276 Resp: 201420
 Ion Ratio Lower Upper
 276 100
 138 25.8 19.3 28.9
 277 26.5 19.8 29.8

Manual Integrations
 APPROVED

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

