

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
 Data File : BN032667.D
 Acq On : 12 Jul 2024 11:21
 Operator : MA/JU
 Sample : P3087-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CB5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/13/2024
 Supervised By :mohammad ahmed 07/16/2024

Quant Time: Jul 12 12:49:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 01:40:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.553	152	5620	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.321	136	17430	0.400	ng/ul	-0.04
9) Acenaphthene-d10	14.202	164	9557	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.957	188	18084m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.171	240	14880m	0.400	ng/ul	-0.02
23) Perylene-d12	23.365	264	15432m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.101	96	21363	3.166	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.927	152	6291	0.239	ng/ul	-0.04
18) Fluoranthene-d10	18.999	212	11702	0.241	ng/ul	-0.03
Target Compounds					Qvalue	
5) Naphthalene	10.371	128	4661	0.100	ng/ul	97
7) 2-Methylnaphthalene	12.004	142	1909	0.065	ng/ul	91
8) 1-Methylnaphthalene	12.224	142	1323	0.044	ng/ul	100
10) Acenaphthylene	13.920	152	11986	0.310	ng/ul	99
11) Acenaphthene	14.262	153	3018	0.095	ng/ul	98
12) Fluorene	15.257	166	3499	0.096	ng/ul#	98
15) Phenanthrene	16.999	178	70233m	1.426	ng/ul	
16) Anthracene	17.092	178	17270m	0.429	ng/ul	
19) Fluoranthene	19.027	202	155159	2.565	ng/ul	99
20) Pyrene	19.394	202	148264	2.368	ng/ul	98
21) Benzo(a)anthracene	21.156	228	79071m	1.669	ng/ul	
22) Chrysene	21.206	228	85327	1.245	ng/ul	98
24) Benzo(b)fluoranthene	22.711	252	121819m	2.237	ng/ul	
25) Benzo(k)fluoranthene	22.749	252	41662m	0.628	ng/ul	
26) Benzo(a)pyrene	23.269	252	83774m	1.778	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.576	276	64879	1.017	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.576	278	15112	0.306	ng/ul#	78
29) Benzo(g,h,i)perylene	26.257	276	64675	1.213	ng/ul	99

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

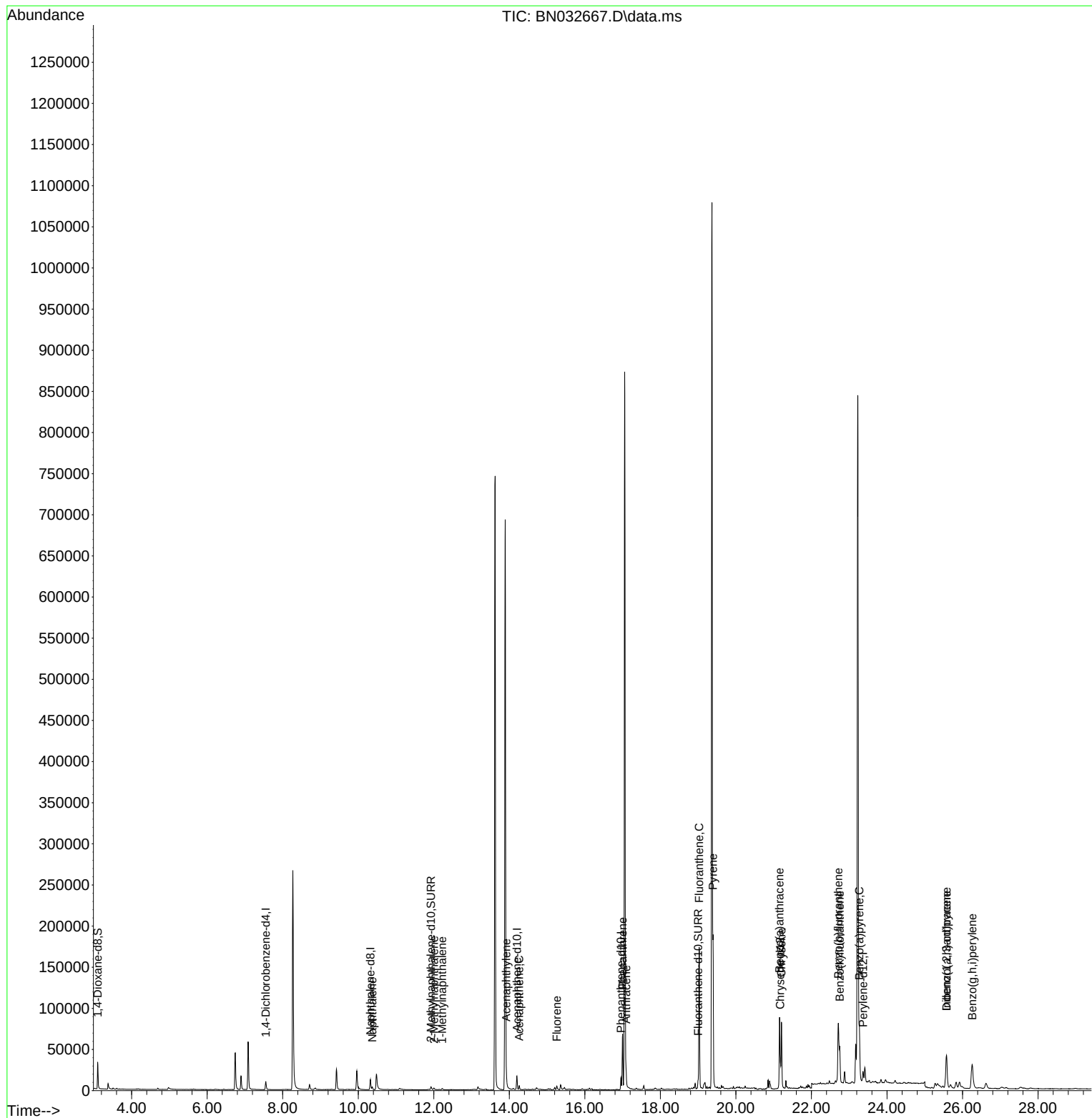
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032667.D
Acq On : 12 Jul 2024 11:21
Operator : MA/JU
Sample : P3087-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

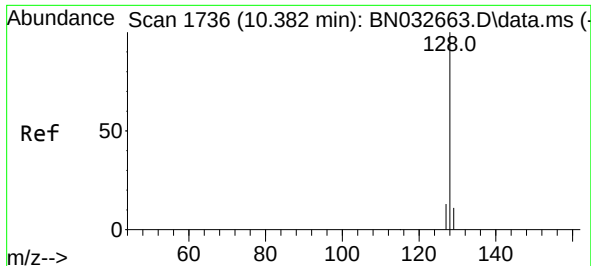
Instrument :
BNA_N
ClientSampleId :
A4CB5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024

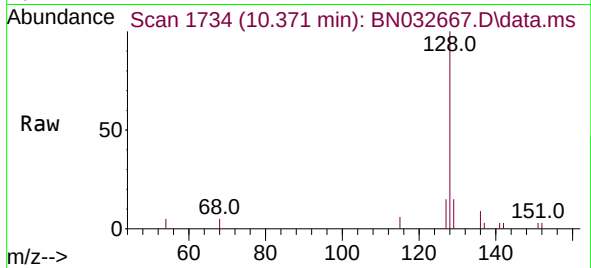
Quant Time: Jul 12 12:49:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 01:40:24 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.100 ng/ul
RT: 10.371 min Scan# 1734
Delta R.T. -0.038 min
Lab File: BN032667.D
Acq: 12 Jul 2024 11:21

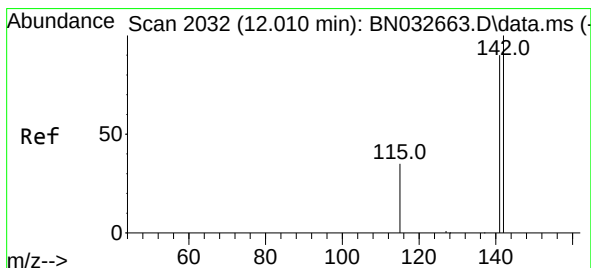
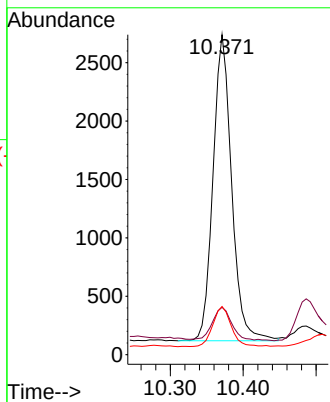
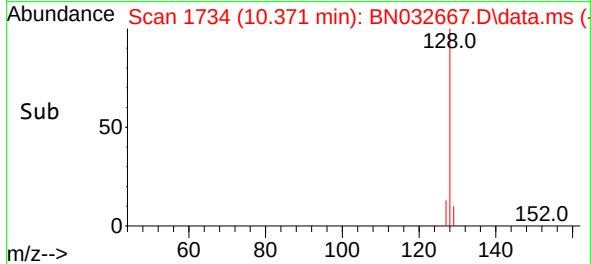
Instrument :
BNA_N
ClientSampleId :
A4CB5



Tgt Ion:128 Resp: 466
Ion Ratio Lower Upper
128 100
129 14.8 10.0 15.0
127 15.1 11.6 17.4

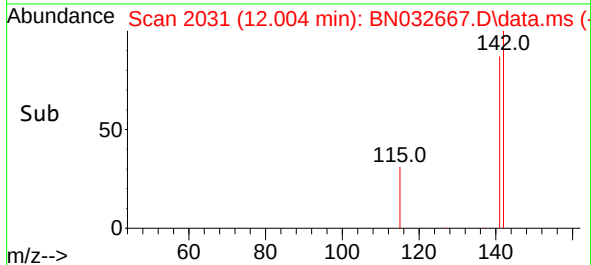
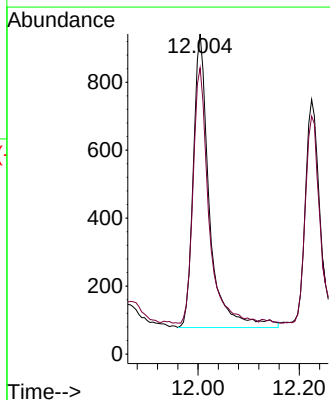
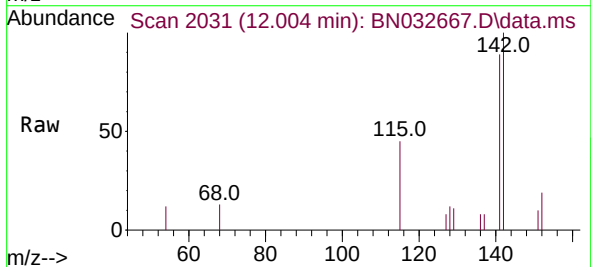
Manual Integrations
APPROVED

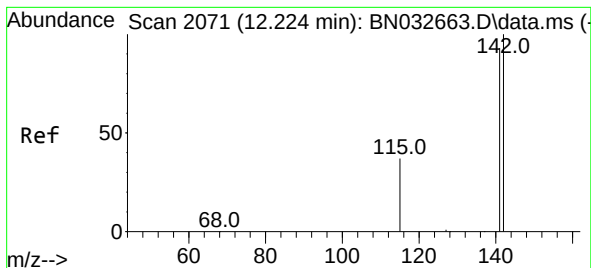
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



#7
2-Methylnaphthalene
Concen: 0.065 ng/ul
RT: 12.004 min Scan# 2031
Delta R.T. -0.044 min
Lab File: BN032667.D
Acq: 12 Jul 2024 11:21

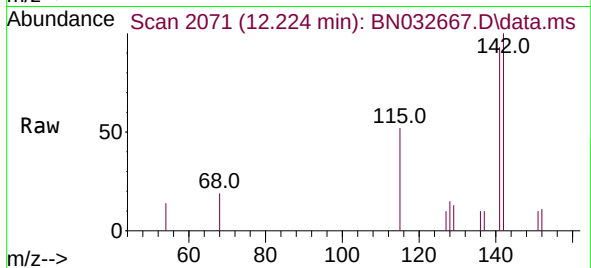
Tgt Ion:142 Resp: 1909
Ion Ratio Lower Upper
142 100
141 83.9 74.0 111.0





#8
1-Methylnaphthalene
Concen: 0.044 ng/ul
RT: 12.224 min Scan# 2071
Delta R.T. -0.022 min
Lab File: BN032667.D
Acq: 12 Jul 2024 11:21

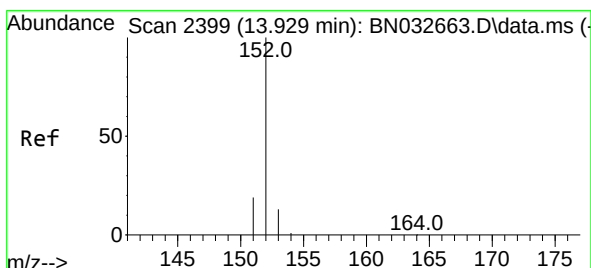
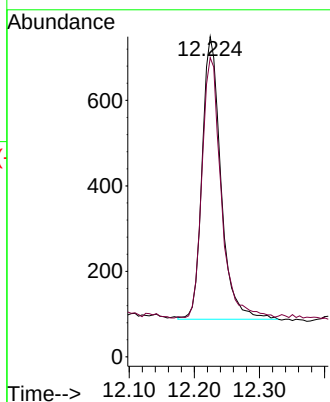
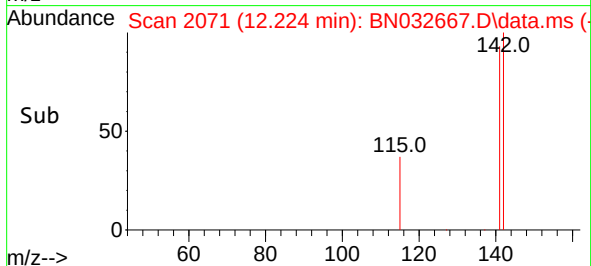
Instrument :
BNA_N
ClientSampleId :
A4CB5



Tgt Ion:142 Resp: 132
Ion Ratio Lower Upper
142 100
141 94.0 75.0 112.4

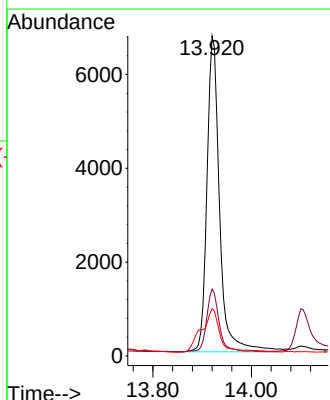
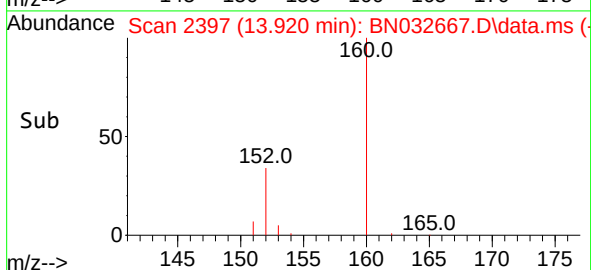
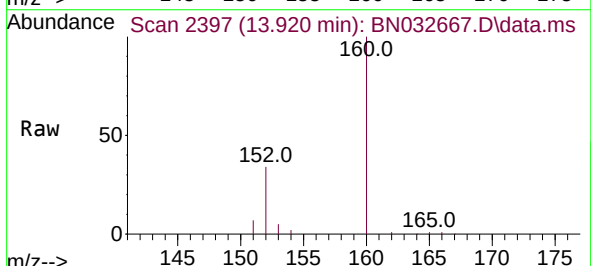
Manual Integrations
APPROVED

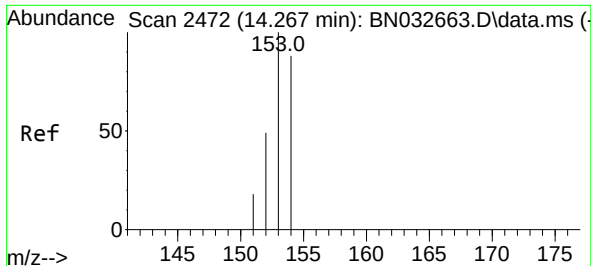
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



#10
Acenaphthylene
Concen: 0.310 ng/ul
RT: 13.920 min Scan# 2397
Delta R.T. -0.023 min
Lab File: BN032667.D
Acq: 12 Jul 2024 11:21

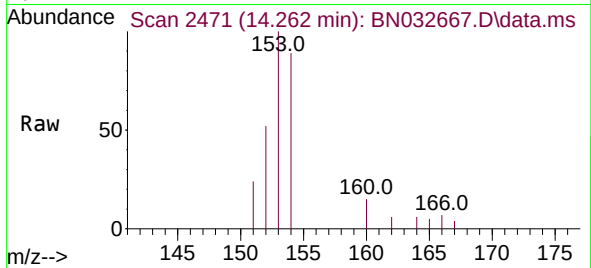
Tgt Ion:152 Resp: 11986
Ion Ratio Lower Upper
152 100
151 20.9 16.3 24.5
153 14.7 11.3 16.9





#11
Acenaphthene
Concen: 0.095 ng/u1
RT: 14.262 min Scan# 2471
Delta R.T. -0.018 min
Lab File: BN032667.D
Acq: 12 Jul 2024 11:21

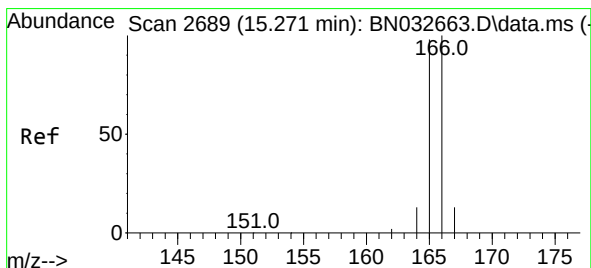
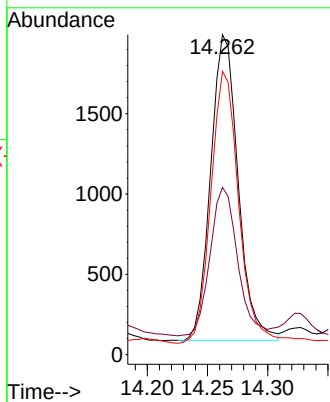
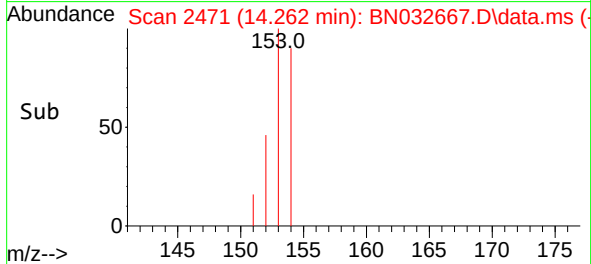
Instrument :
BNA_N
ClientSampleId :
A4CB5



Tgt Ion:153 Resp: 3018
Ion Ratio Lower Upper
153 100
152 52.3 40.0 60.0
154 88.6 70.2 105.4

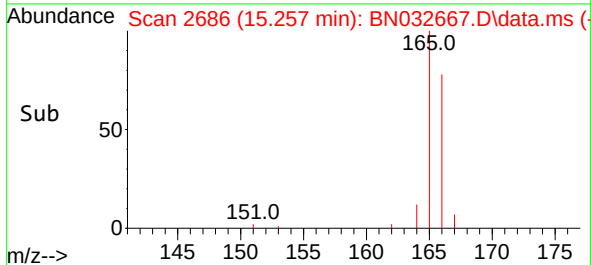
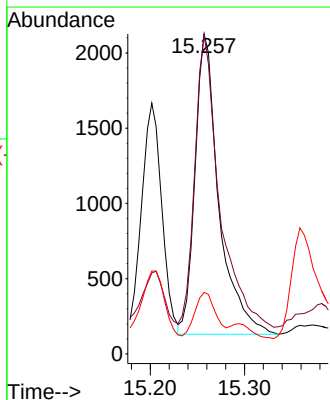
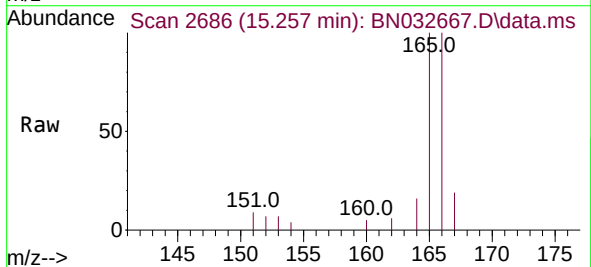
Manual Integrations
APPROVED

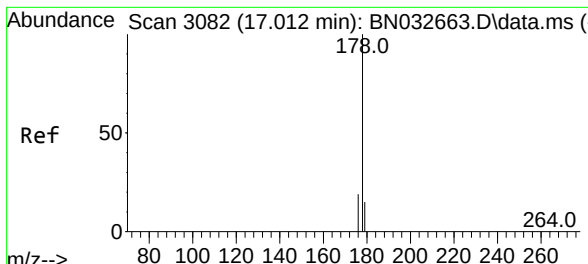
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



#12
Fluorene
Concen: 0.096 ng/u1
RT: 15.257 min Scan# 2686
Delta R.T. -0.032 min
Lab File: BN032667.D
Acq: 12 Jul 2024 11:21

Tgt Ion:166 Resp: 3499
Ion Ratio Lower Upper
166 100
165 99.7 79.7 119.5
167 19.2 11.4 17.2#





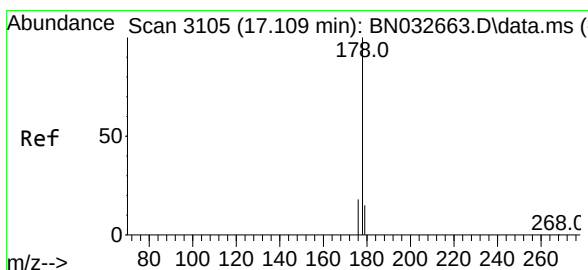
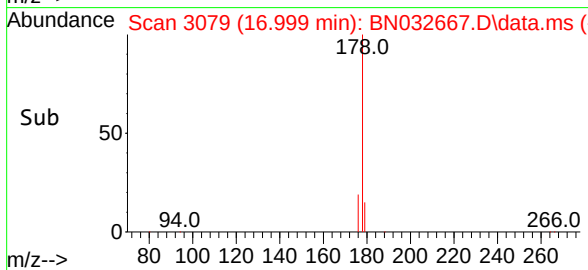
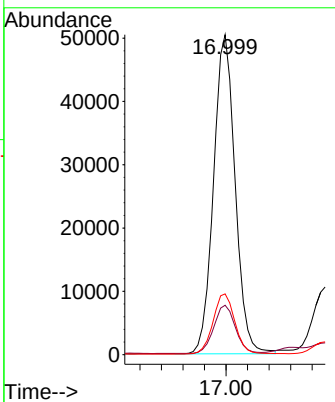
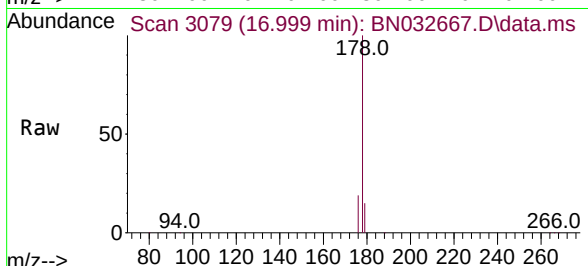
#15
 Phenanthrene
 Concen: 1.426 ng/ul m
 RT: 16.999 min Scan# 3079
 Delta R.T. -0.029 min
 Lab File: BN032667.D
 Acq: 12 Jul 2024 11:21

Instrument : BNA_N
 ClientSampleId : A4CB5

Tgt Ion:	178	Resp:	7023
Ion Ratio	Lower	Upper	
178	100		
179	15.5	13.0	19.4
176	19.0	15.6	23.4

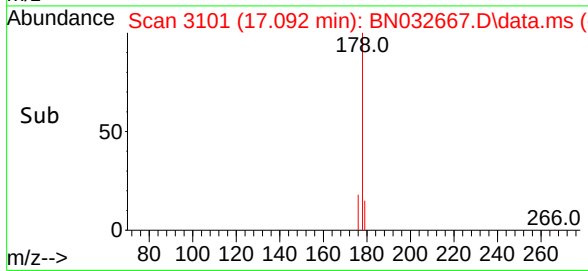
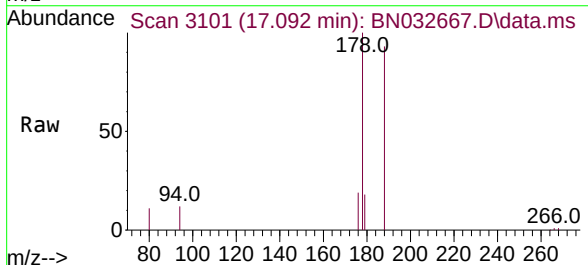
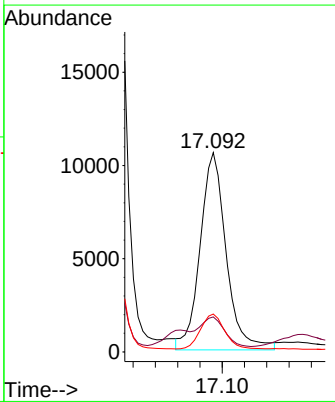
Manual Integrations
 APPROVED

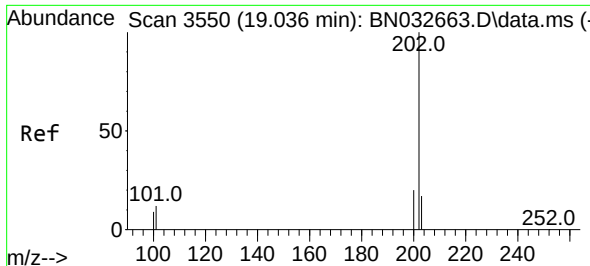
Reviewed By :Yogesh Patel 07/13/2024
 Supervised By :mohammad ahmed 07/16/2024



#16
 Anthracene
 Concen: 0.429 ng/ul m
 RT: 17.092 min Scan# 3101
 Delta R.T. -0.046 min
 Lab File: BN032667.D
 Acq: 12 Jul 2024 11:21

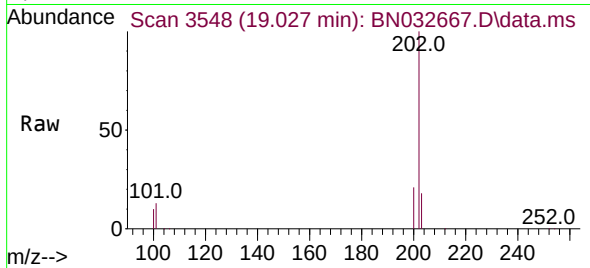
Tgt Ion:	178	Resp:	17270
Ion Ratio	Lower	Upper	
178	100		
179	17.6	13.4	20.2
176	19.0	15.4	23.0





#19
Fluoranthene
Concen: 2.565 ng/u1
RT: 19.027 min Scan# 3548
Delta R.T. -0.028 min
Lab File: BN032667.D
Acq: 12 Jul 2024 11:21

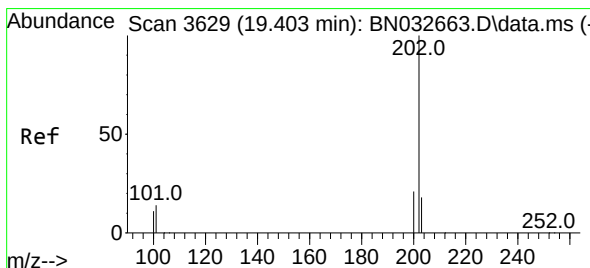
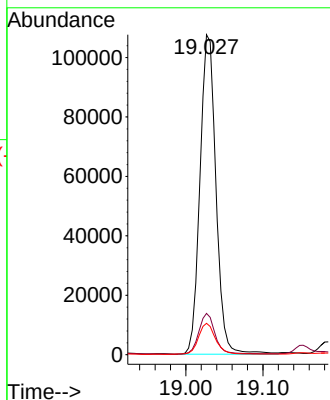
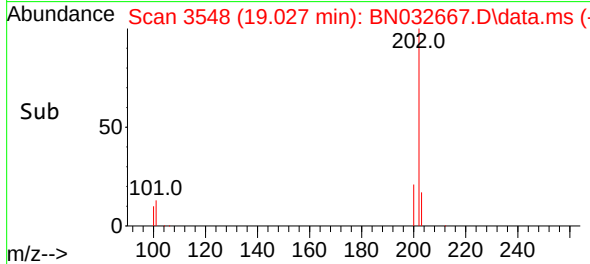
Instrument :
BNA_N
ClientSampleId :
A4CB5



Tgt Ion:202 Resp: 155159
Ion Ratio Lower Upper
202 100
101 12.9 9.8 14.8
100 9.8 7.9 11.9

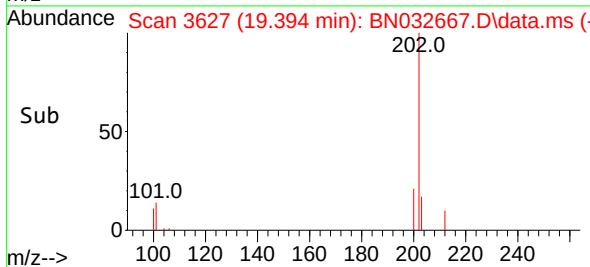
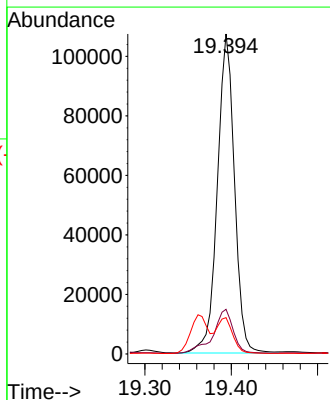
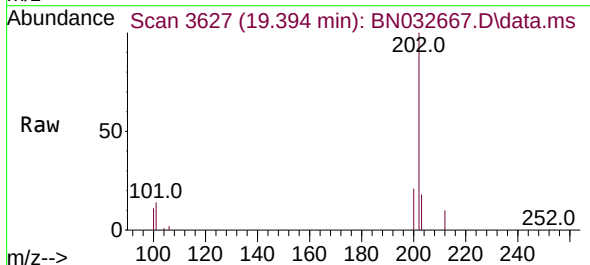
Manual Integrations
APPROVED

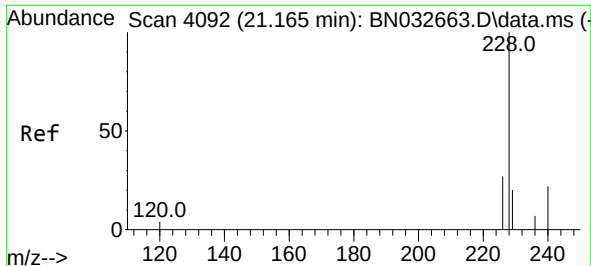
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



#20
Pyrene
Concen: 2.368 ng/u1
RT: 19.394 min Scan# 3627
Delta R.T. -0.028 min
Lab File: BN032667.D
Acq: 12 Jul 2024 11:21

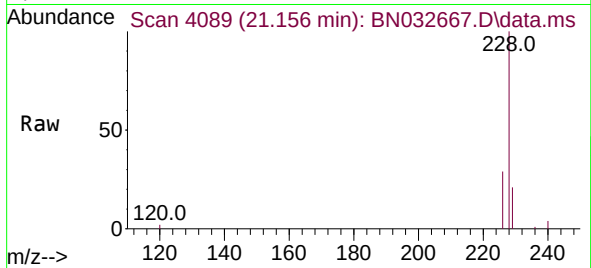
Tgt Ion:202 Resp: 148264
Ion Ratio Lower Upper
202 100
101 14.0 11.8 17.6
100 11.3 9.6 14.4





#21
Benzo(a)anthracene
Concen: 1.669 ng/ul m
RT: 21.156 min Scan# 4092
Delta R.T. -0.026 min
Lab File: BN032667.D
Acq: 12 Jul 2024 11:21

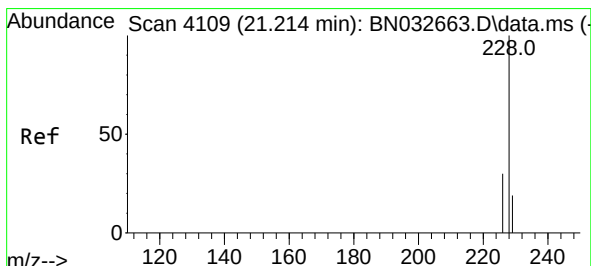
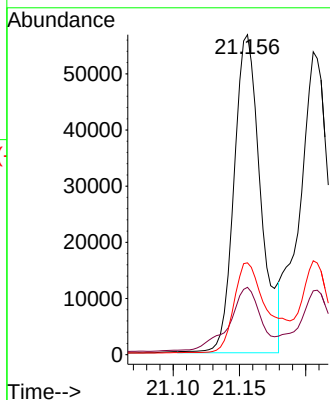
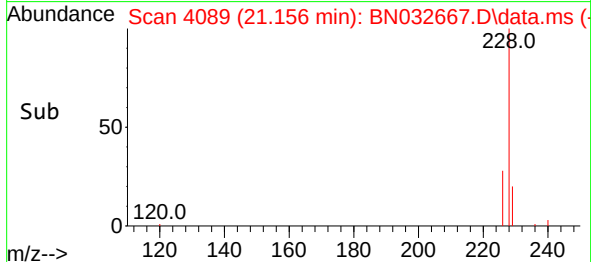
Instrument :
BNA_N
ClientSampleId :
A4CB5



Tgt Ion:228 Resp: 7907
Ion Ratio Lower Upper
228 100
229 21.0 16.1 24.1
226 28.7 21.9 32.9

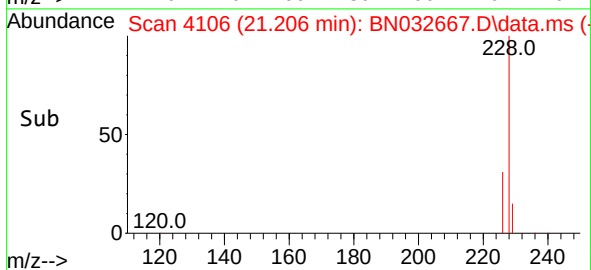
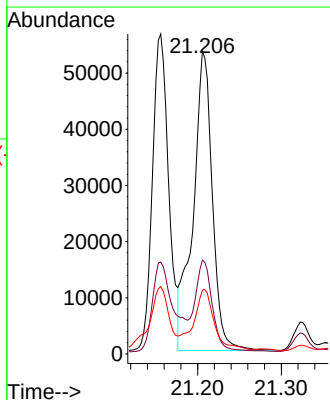
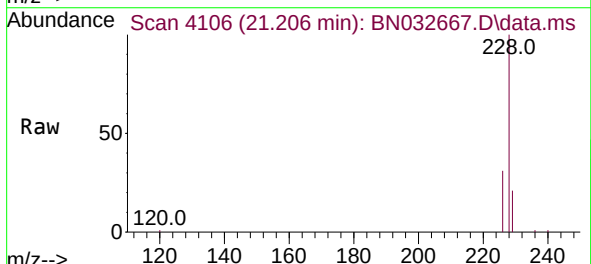
Manual Integrations
APPROVED

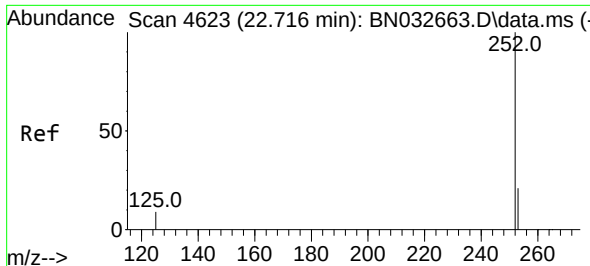
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



#22
Chrysene
Concen: 1.245 ng/ul
RT: 21.206 min Scan# 4106
Delta R.T. -0.026 min
Lab File: BN032667.D
Acq: 12 Jul 2024 11:21

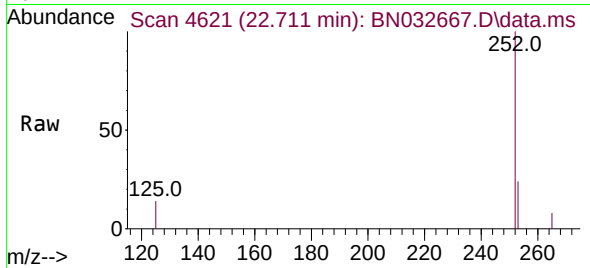
Tgt Ion:228 Resp: 85327
Ion Ratio Lower Upper
228 100
226 31.0 24.0 36.0
229 21.1 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 2.237 ng/ul m
RT: 22.711 min Scan# 4621
Delta R.T. -0.023 min
Lab File: BN032667.D
Acq: 12 Jul 2024 11:21

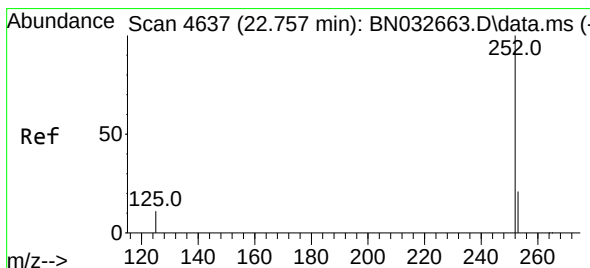
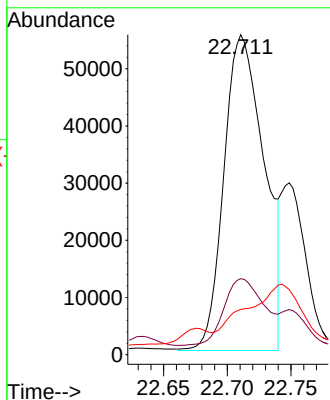
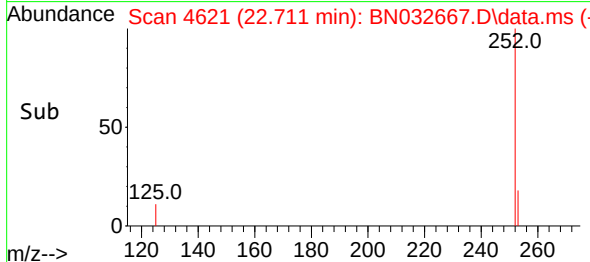
Instrument :
BNA_N
ClientSampleId :
A4CB5



Tgt Ion:252 Resp: 121819
Ion Ratio Lower Upper
252 100
253 23.7 0.0 54.0
125 14.2 0.0 36.0

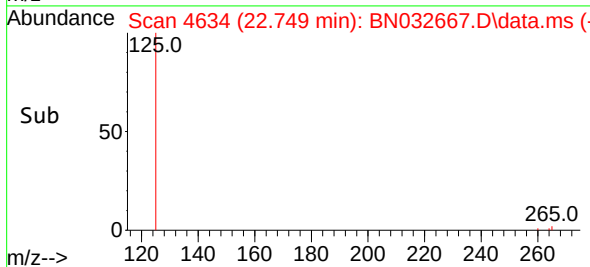
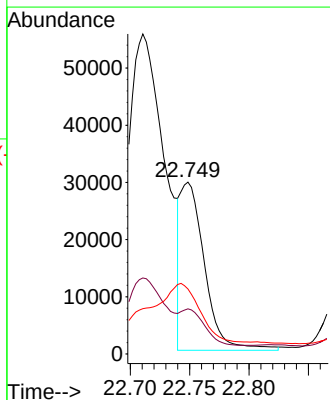
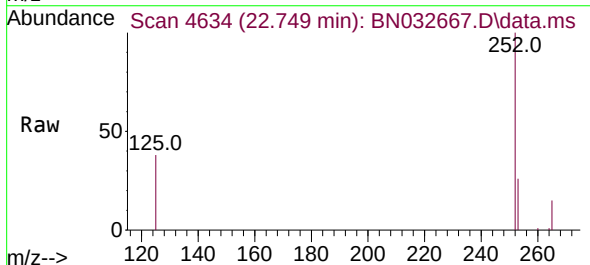
Manual Integrations
APPROVED

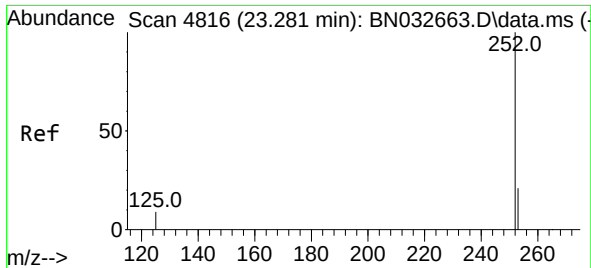
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



#25
Benzo(k)fluoranthene
Concen: 0.628 ng/ul m
RT: 22.749 min Scan# 4634
Delta R.T. -0.029 min
Lab File: BN032667.D
Acq: 12 Jul 2024 11:21

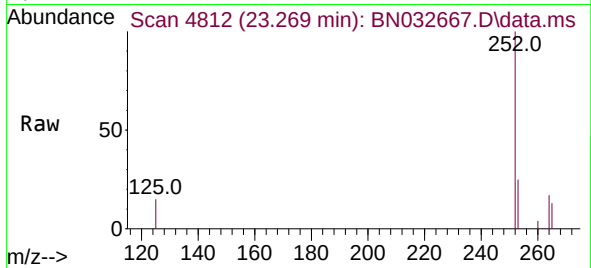
Tgt Ion:252 Resp: 41662
Ion Ratio Lower Upper
252 100
253 26.2 21.2 31.8
125 37.8 14.8 22.2#





#26
Benzo(a)pyrene
Concen: 1.778 ng/ul m
RT: 23.269 min Scan# 4816
Delta R.T. -0.041 min
Lab File: BN032667.D
Acq: 12 Jul 2024 11:21

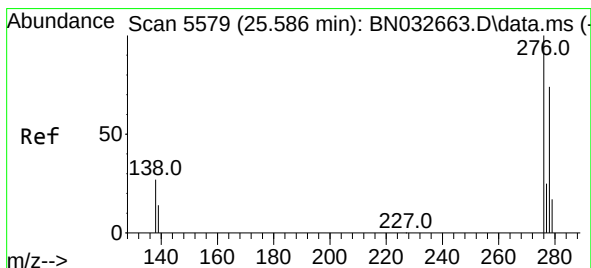
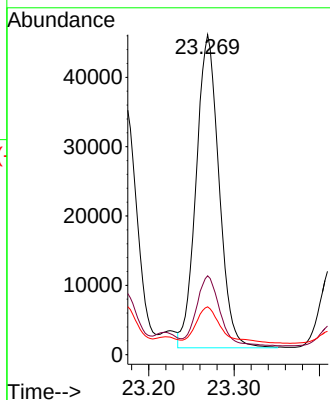
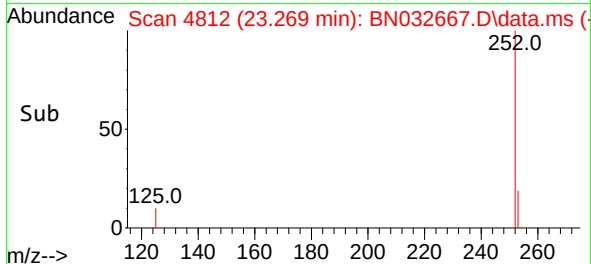
Instrument :
BNA_N
ClientSampleId :
A4CB5



Tgt Ion:252 Resp: 83774
Ion Ratio Lower Upper
252 100
253 24.6 25.4 38.0
125 14.9 20.6 30.8

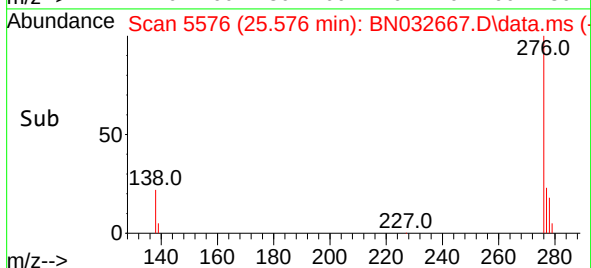
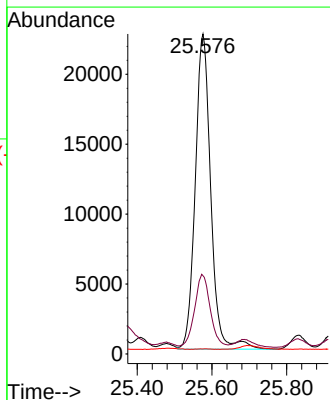
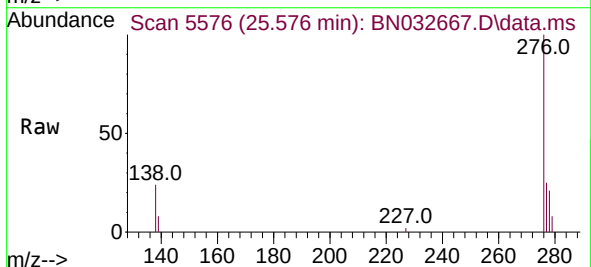
Manual Integrations
APPROVED

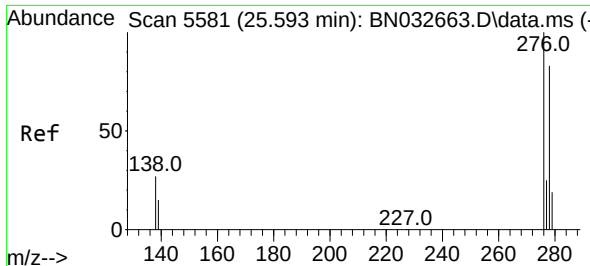
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.017 ng/ul
RT: 25.576 min Scan# 5576
Delta R.T. -0.050 min
Lab File: BN032667.D
Acq: 12 Jul 2024 11:21

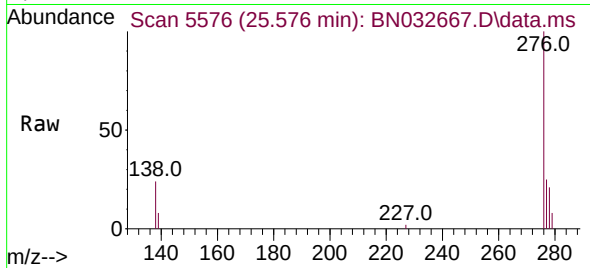
Tgt Ion:276 Resp: 64879
Ion Ratio Lower Upper
276 100
138 22.8 21.6 32.4
227 0.1 0.0 0.0





#28
Dibenzo(a,h)anthracene
Concen: 0.306 ng/ul
RT: 25.576 min Scan# 5576
Delta R.T. -0.064 min
Lab File: BN032667.D
Acq: 12 Jul 2024 11:21

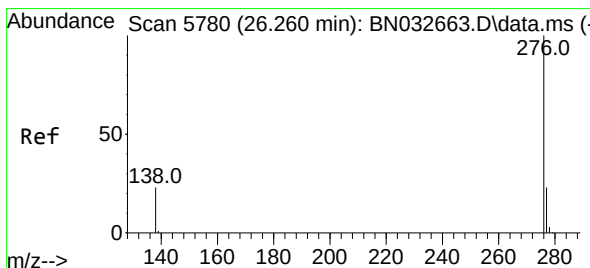
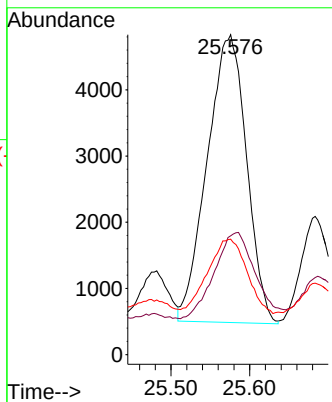
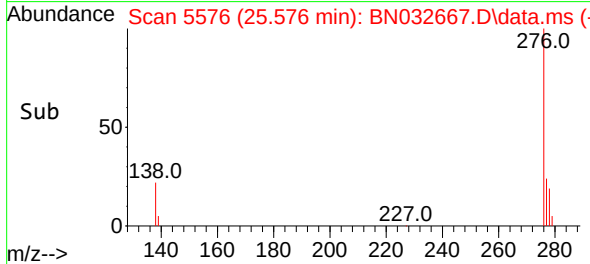
Instrument :
BNA_N
ClientSampleId :
A4CB5



Tgt Ion:278 Resp: 1511
Ion Ratio Lower Upper
278 100
139 37.2 16.6 24.8
279 36.1 23.7 35.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



#29
Benzo(g,h,i)perylene
Concen: 1.213 ng/ul
RT: 26.257 min Scan# 5779
Delta R.T. -0.044 min
Lab File: BN032667.D
Acq: 12 Jul 2024 11:21

Tgt Ion:276 Resp: 64675
Ion Ratio Lower Upper
276 100
138 25.2 21.0 31.4
277 25.6 20.6 31.0

