

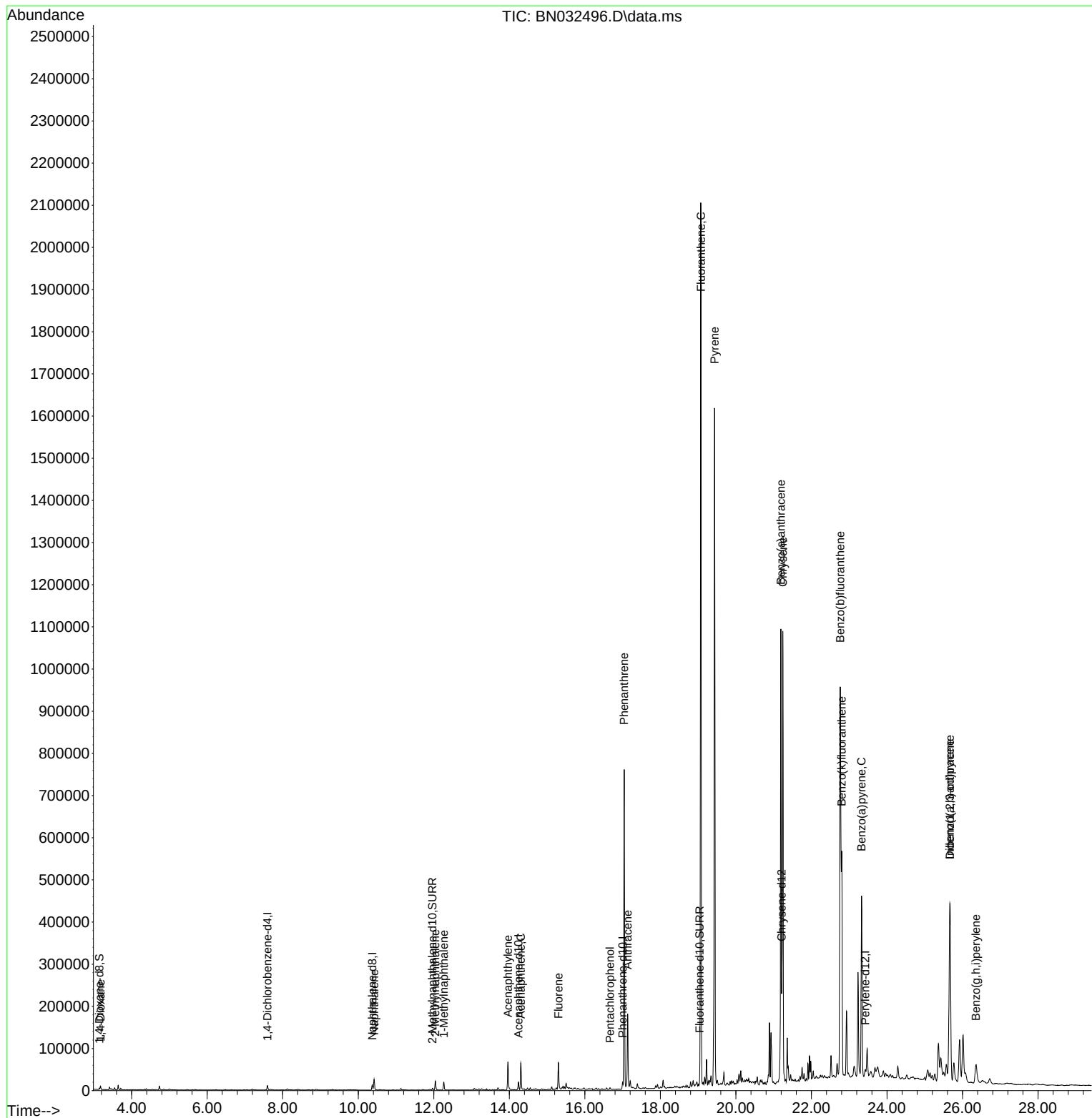
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032496.D
Acq On : 05 Jul 2024 04:58
Operator : MA/JU
Sample : P3065-02MS
Misc :
ALS Vial : 70 Sample Multiplier: 1

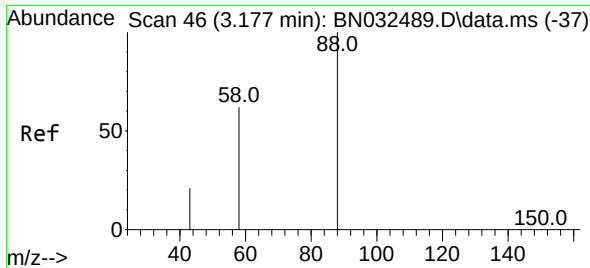
Instrument :
BNA_N
ClientSampleId :
A4CX6MS

Quant Time: Jul 05 05:29:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

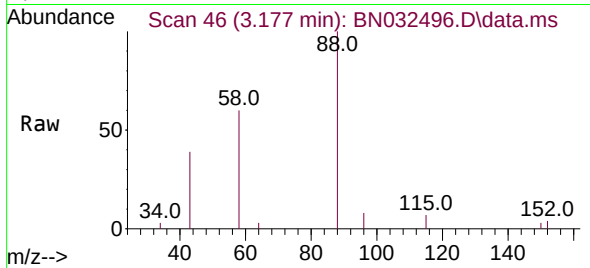
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024





#2
1,4-Dioxane
Concen: 0.810 ng/ul
RT: 3.177 min Scan# 40
Delta R.T. -0.004 min
Lab File: BN032496.D
Acq: 05 Jul 2024 04:58

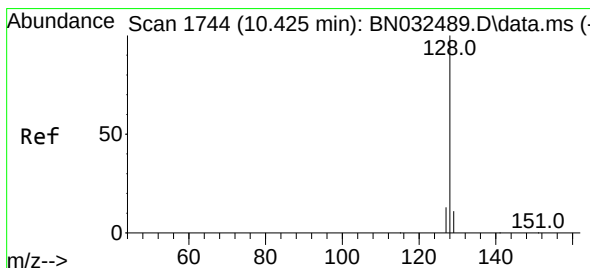
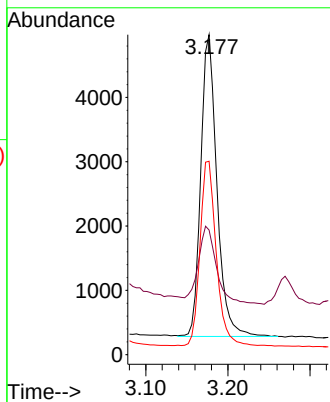
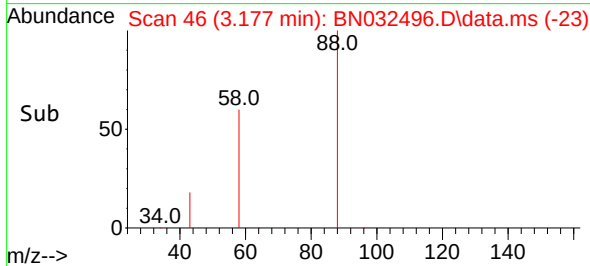
Instrument :
BNA_N
ClientSampleId :
A4CX6MS



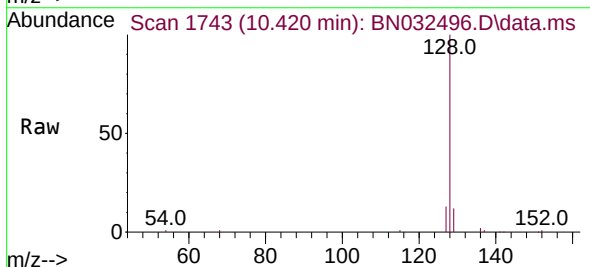
Tgt Ion: 88 Resp: 6410
Ion Ratio Lower Upper
88 100
43 38.9 28.4 42.6
58 60.5 43.3 64.9

Manual Integrations
APPROVED

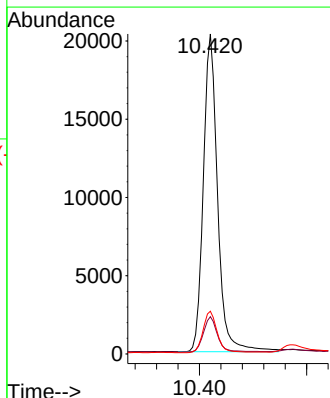
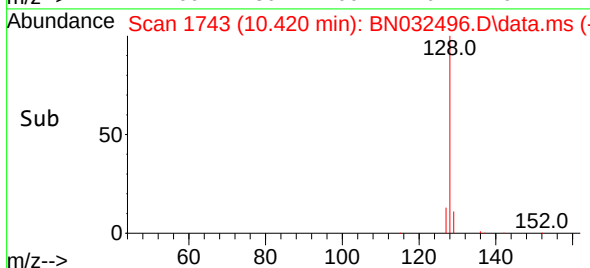
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024

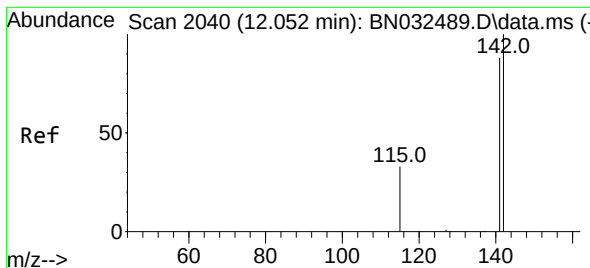


#5
Naphthalene
Concen: 0.768 ng/ul
RT: 10.420 min Scan# 1743
Delta R.T. -0.011 min
Lab File: BN032496.D
Acq: 05 Jul 2024 04:58



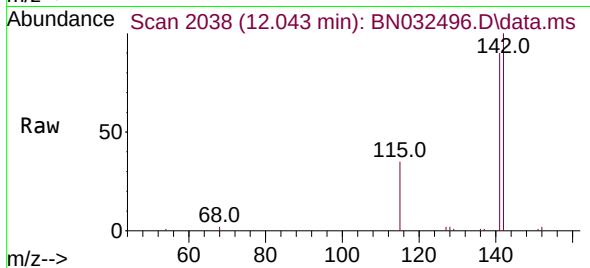
Tgt Ion:128 Resp: 37458
Ion Ratio Lower Upper
128 100
129 11.6 9.2 13.8
127 13.4 10.8 16.2





#7
2-Methylnaphthalene
Concen: 0.508 ng/ul
RT: 12.043 min Scan# 2040
Delta R.T. -0.011 min
Lab File: BN032496.D
Acq: 05 Jul 2024 04:58

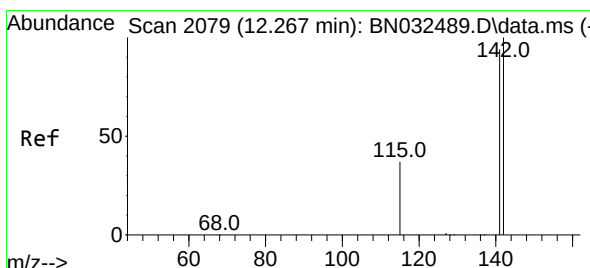
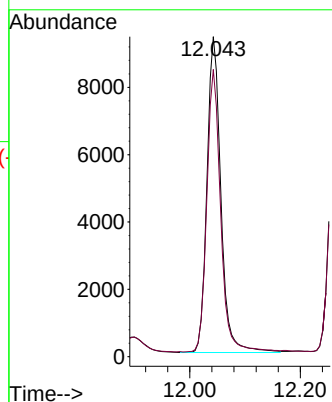
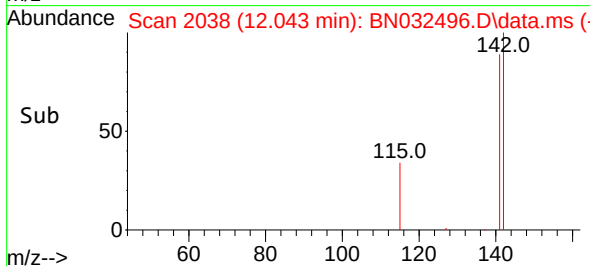
Instrument :
BNA_N
ClientSampleId :
A4CX6MS



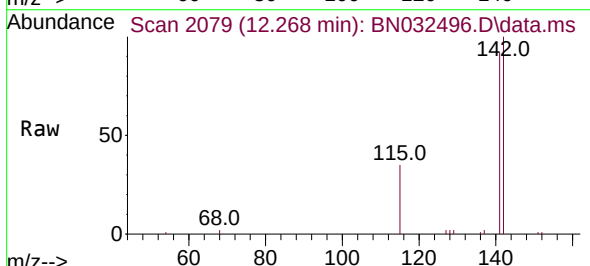
Tgt Ion:142 Resp: 16428
Ion Ratio Lower Upper
142 100
141 88.9 72.2 108.2

Manual Integrations
APPROVED

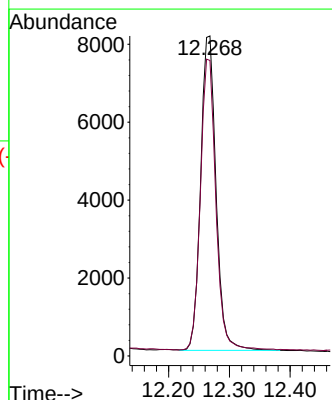
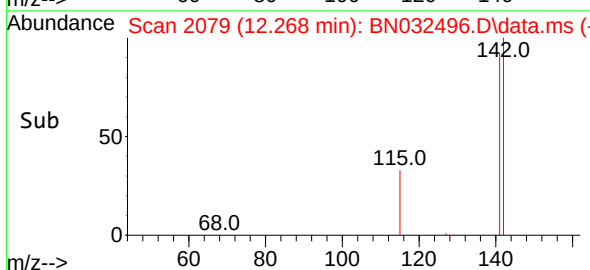
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024

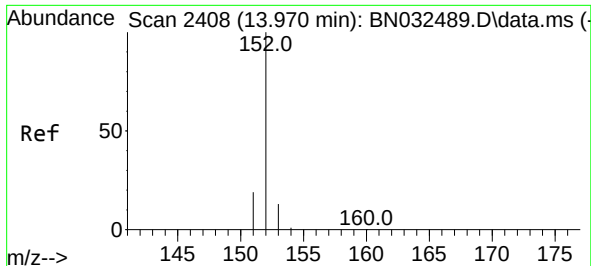


#8
1-Methylnaphthalene
Concen: 0.424 ng/ul
RT: 12.268 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BN032496.D
Acq: 05 Jul 2024 04:58



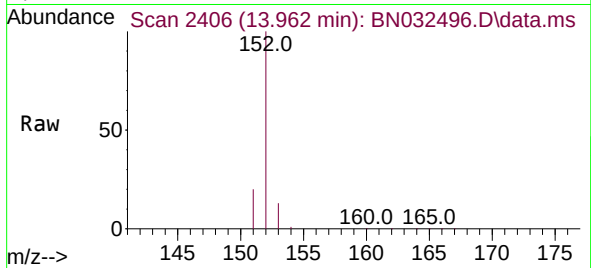
Tgt Ion:142 Resp: 14222
Ion Ratio Lower Upper
142 100
141 92.6 73.4 110.0





#10
Acenaphthylene
Concen: 2.102 ng/ul
RT: 13.962 min Scan# 2406
Delta R.T. -0.009 min
Lab File: BN032496.D
Acq: 05 Jul 2024 04:58

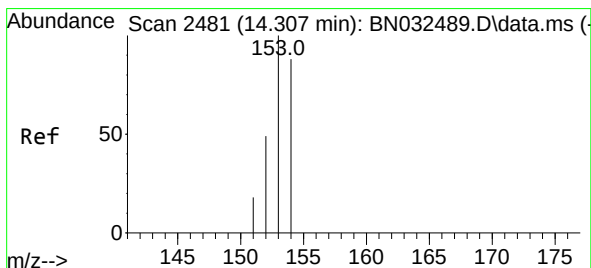
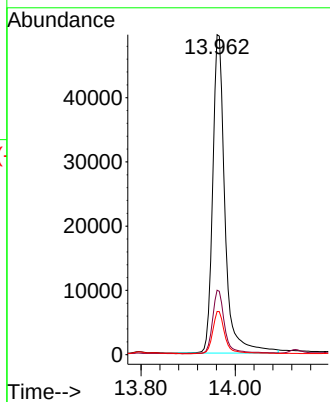
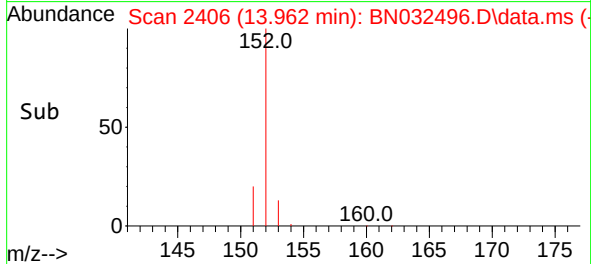
Instrument :
BNA_N
ClientSampleId :
A4CX6MS



Tgt Ion:152 Resp: 89598
Ion Ratio Lower Upper
152 100
151 20.2 15.7 23.5
153 13.5 10.9 16.3

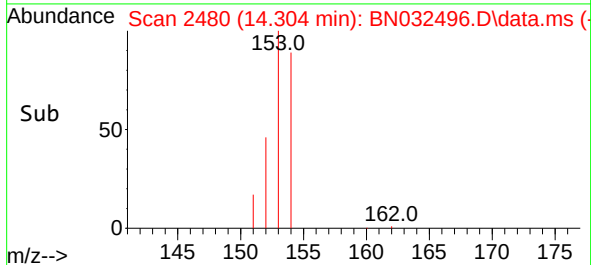
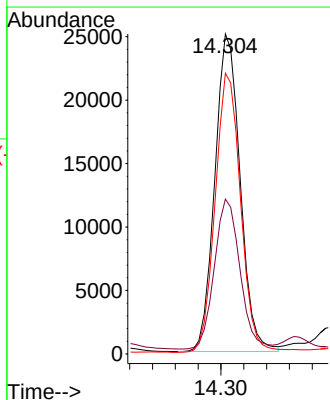
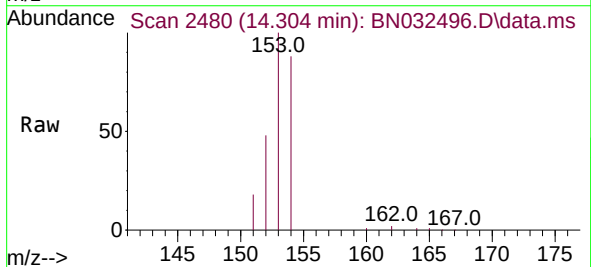
Manual Integrations
APPROVED

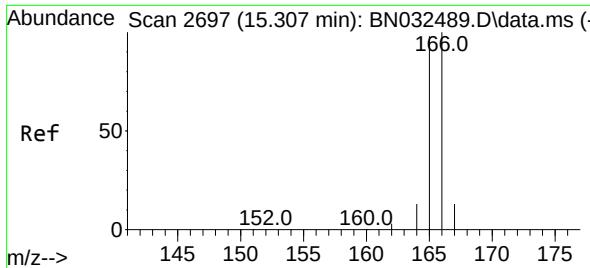
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



#11
Acenaphthene
Concen: 1.165 ng/ul
RT: 14.304 min Scan# 2480
Delta R.T. -0.009 min
Lab File: BN032496.D
Acq: 05 Jul 2024 04:58

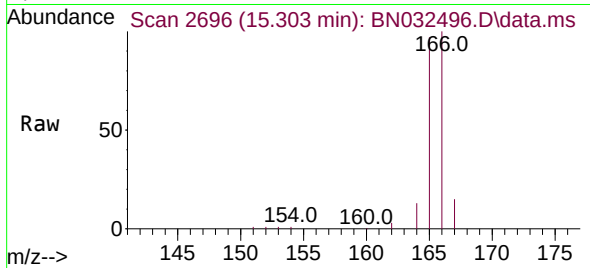
Tgt Ion:153 Resp: 38526
Ion Ratio Lower Upper
153 100
152 48.4 39.5 59.3
154 87.8 71.7 107.5





#12
Fluorene
Concen: 1.143 ng/ul
RT: 15.303 min Scan# 20
Delta R.T. -0.009 min
Lab File: BN032496.D
Acq: 05 Jul 2024 04:58

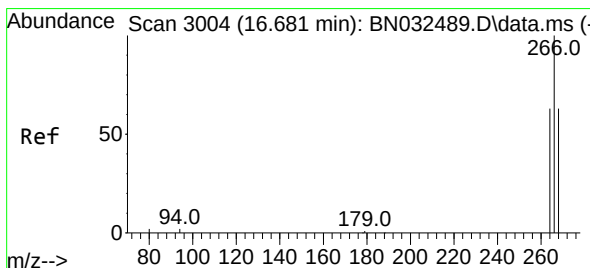
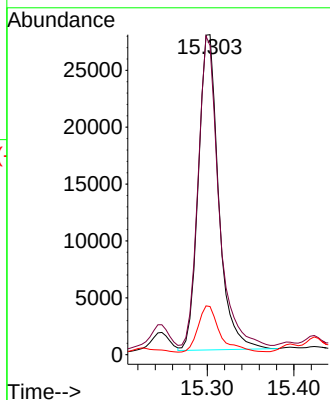
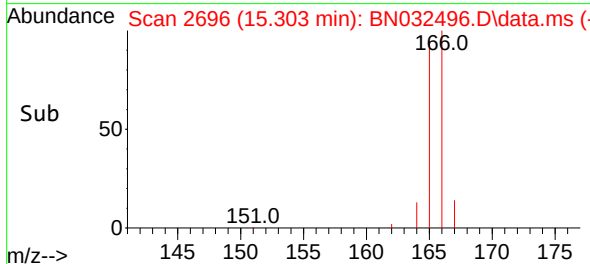
Instrument :
BNA_N
ClientSampleId :
A4CX6MS



Tgt Ion:166 Resp: 4504
Ion Ratio Lower Upper
166 100
165 96.5 79.0 118.6
167 15.1 11.0 16.6

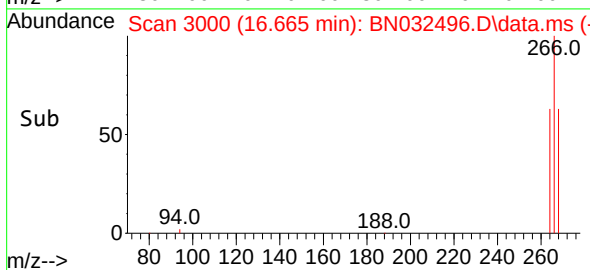
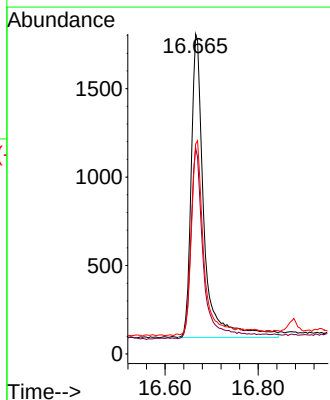
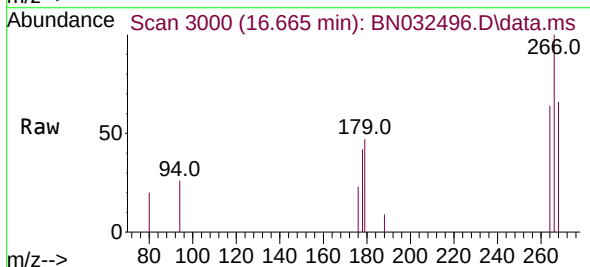
Manual Integrations
APPROVED

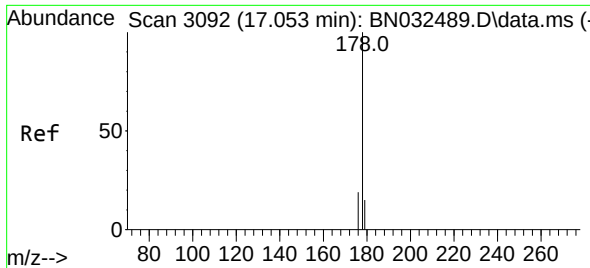
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



#14
Pentachlorophenol
Concen: 0.721 ng/ul
RT: 16.665 min Scan# 3000
Delta R.T. -0.009 min
Lab File: BN032496.D
Acq: 05 Jul 2024 04:58

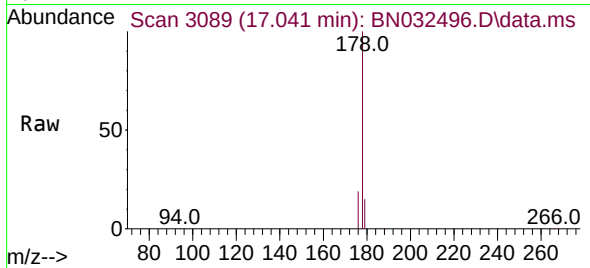
Tgt Ion:266 Resp: 3312
Ion Ratio Lower Upper
266 100
264 63.4 49.9 74.9
268 65.7 52.4 78.6





#15
Phenanthrene
Concen: 14.440 ng/ul
RT: 17.041 min Scan# 3092
Delta R.T. -0.009 min
Lab File: BN032496.D
Acq: 05 Jul 2024 04:58

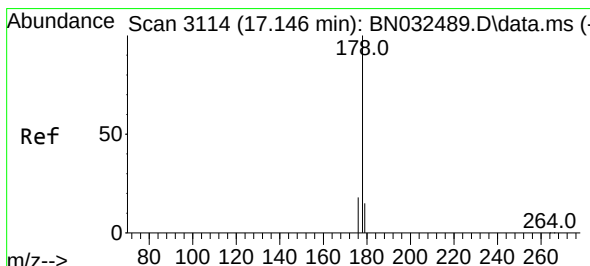
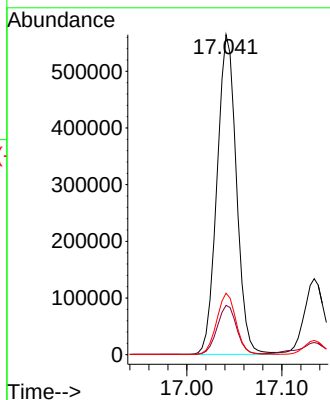
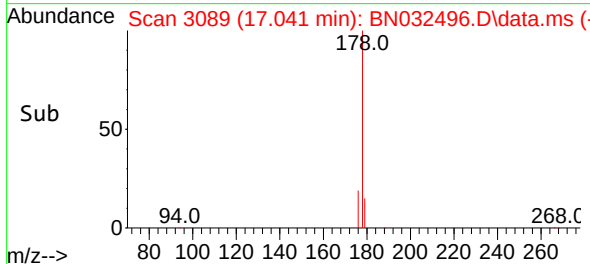
Instrument :
BNA_N
ClientSampleId :
A4CX6MS



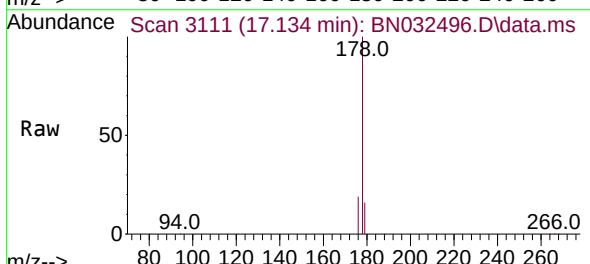
Tgt Ion:178 Resp: 80398
Ion Ratio Lower Upper
178 100
179 15.4 12.6 18.8
176 19.2 15.6 23.4

Manual Integrations
APPROVED

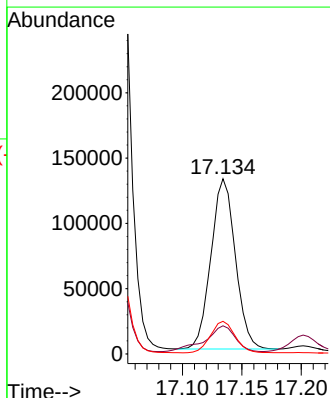
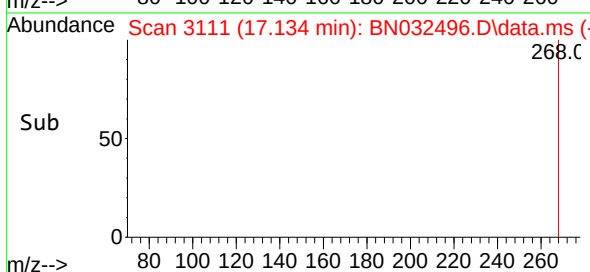
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024

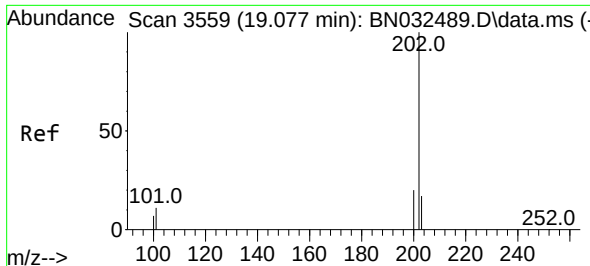


#16
Anthracene
Concen: 3.757 ng/ul
RT: 17.134 min Scan# 3111
Delta R.T. -0.009 min
Lab File: BN032496.D
Acq: 05 Jul 2024 04:58



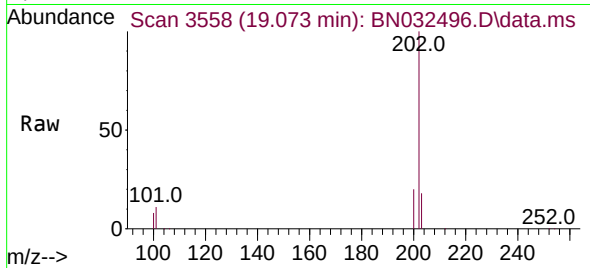
Tgt Ion:178 Resp: 186588
Ion Ratio Lower Upper
178 100
179 16.1 12.5 18.7
176 18.7 15.0 22.6





#19
Fluoranthene
Concen: 27.422 ng/ul
RT: 19.073 min Scan# 3559
Delta R.T. -0.000 min
Lab File: BN032496.D
Acq: 05 Jul 2024 04:58

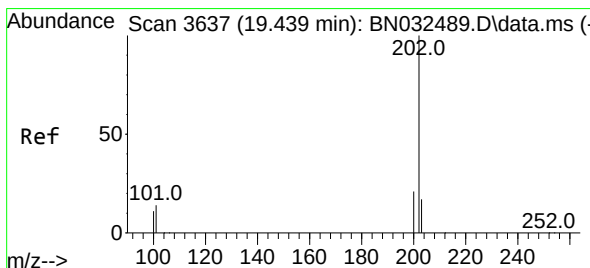
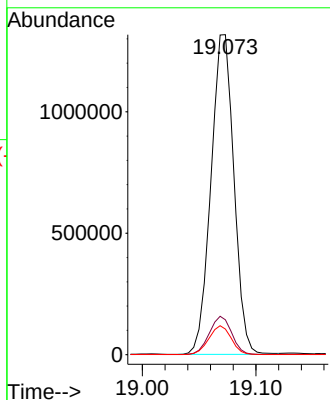
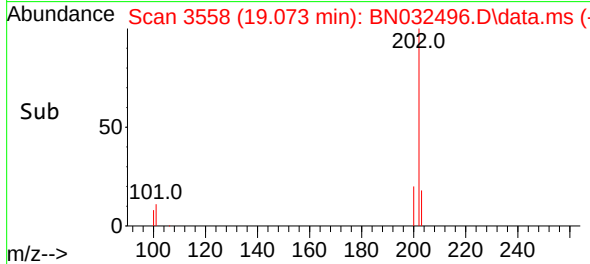
Instrument :
BNA_N
ClientSampleId :
A4CX6MS



Tgt Ion:202 Resp: 1850850
Ion Ratio Lower Upper
202 100
101 10.9 8.8 13.2
100 8.0 6.4 9.6

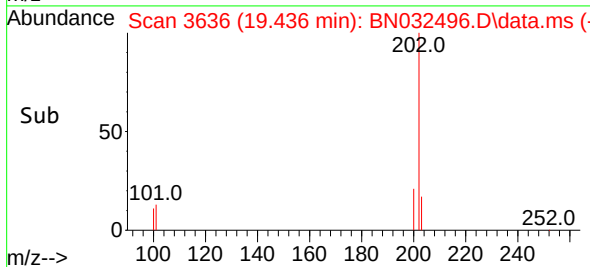
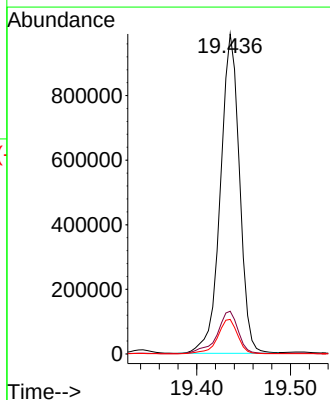
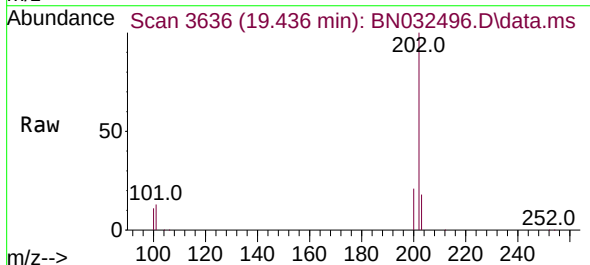
Manual Integrations
APPROVED

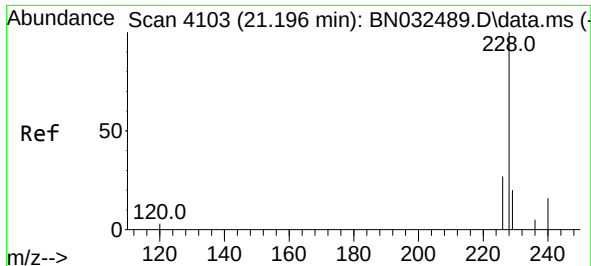
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



#20
Pyrene
Concen: 19.829 ng/ul
RT: 19.436 min Scan# 3636
Delta R.T. -0.005 min
Lab File: BN032496.D
Acq: 05 Jul 2024 04:58

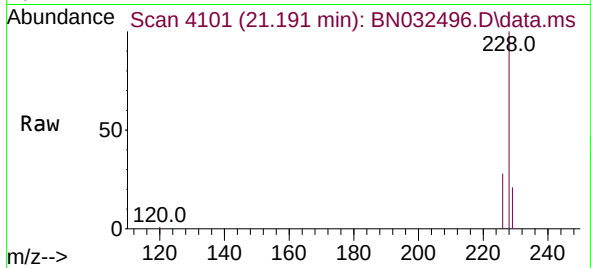
Tgt Ion:202 Resp: 1398618
Ion Ratio Lower Upper
202 100
101 13.4 11.0 16.4
100 10.8 8.7 13.1





#21
Benzo(a)anthracene
Concen: 14.608 ng/ul
RT: 21.191 min Scan# 4119
Delta R.T. -0.000 min
Lab File: BN032496.D
Acq: 05 Jul 2024 04:58

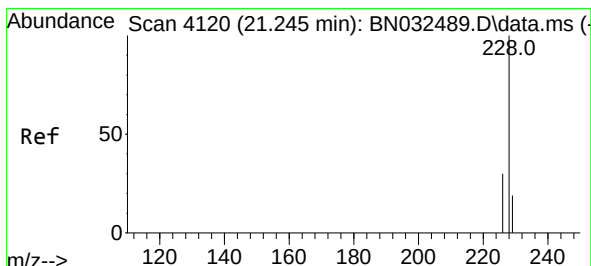
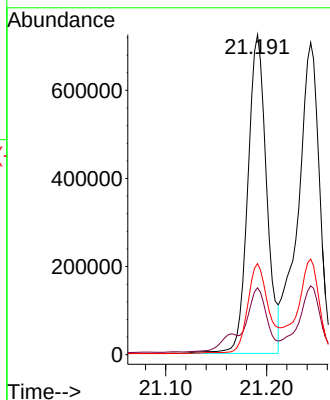
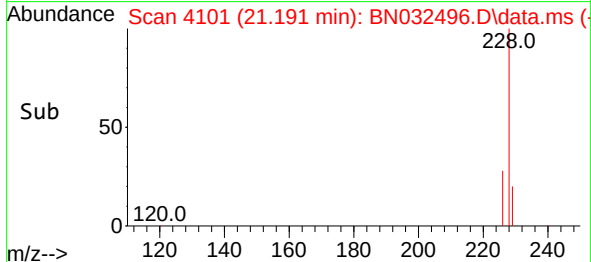
Instrument :
BNA_N
ClientSampleId :
A4CX6MS



Tgt Ion:228 Resp: 934518
Ion Ratio Lower Upper
228 100
229 20.9 15.7 23.5
226 28.5 21.8 32.8

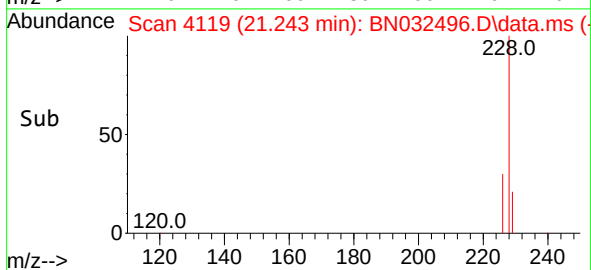
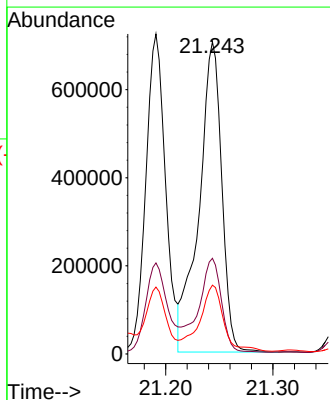
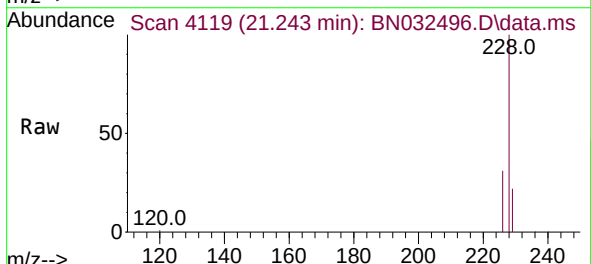
Manual Integrations
APPROVED

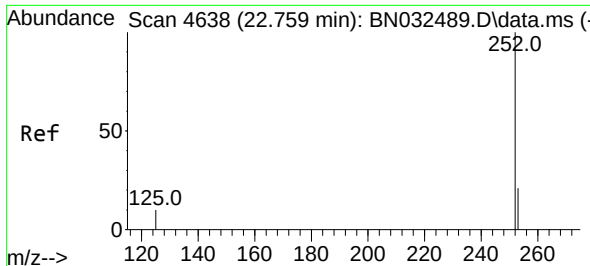
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



#22
Chrysene
Concen: 14.793 ng/ul
RT: 21.243 min Scan# 4119
Delta R.T. -0.000 min
Lab File: BN032496.D
Acq: 05 Jul 2024 04:58

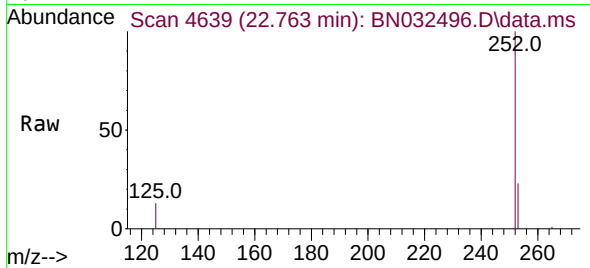
Tgt Ion:228 Resp: 1038731
Ion Ratio Lower Upper
228 100
226 30.7 23.6 35.4
229 22.0 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 13.211 ng/ul m
RT: 22.763 min Scan# 4639
Delta R.T. 0.006 min
Lab File: BN032496.D
Acq: 05 Jul 2024 04:58

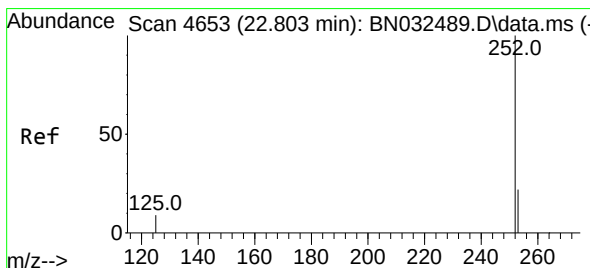
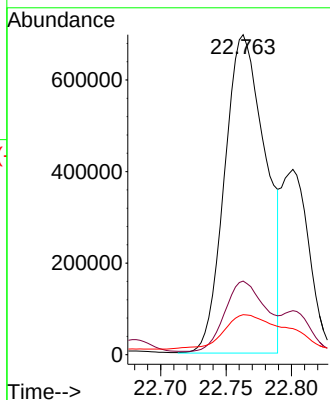
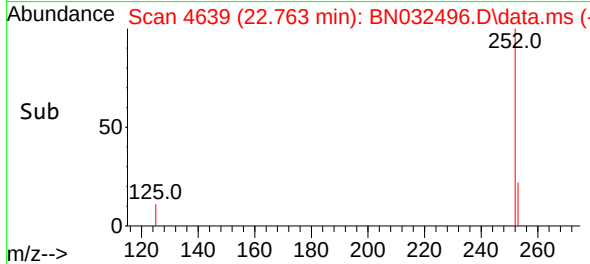
Instrument :
BNA_N
ClientSampleId :
A4CX6MS



Tgt Ion:252 Resp: 151453
Ion Ratio Lower Upper
252 100
253 23.0 0.0 50.2
125 12.5 0.0 32.0

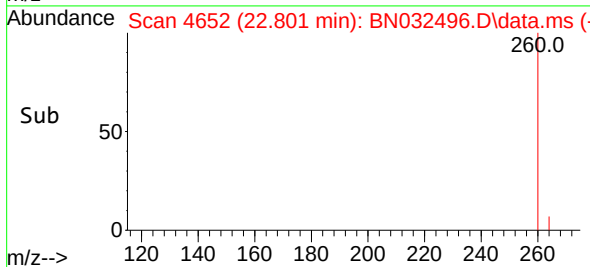
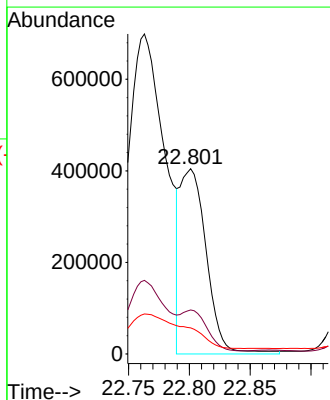
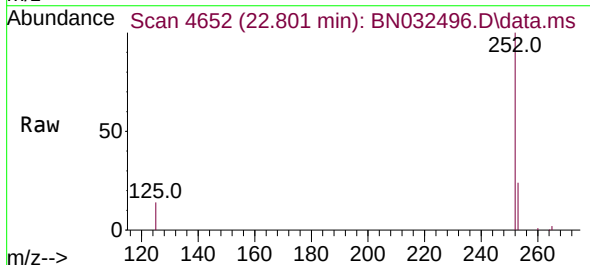
Manual Integrations
APPROVED

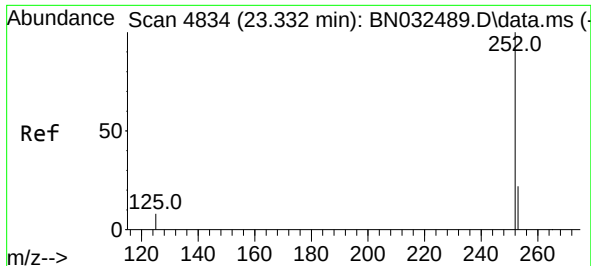
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



#25
Benzo(k)fluoranthene
Concen: 5.473 ng/ul m
RT: 22.801 min Scan# 4652
Delta R.T. -0.000 min
Lab File: BN032496.D
Acq: 05 Jul 2024 04:58

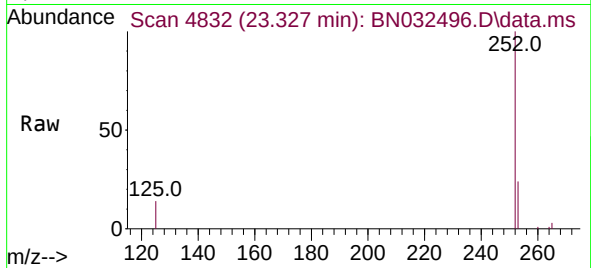
Tgt Ion:252 Resp: 609592
Ion Ratio Lower Upper
252 100
253 23.7 20.3 30.5
125 14.1 12.8 19.2





#26
Benzo(a)pyrene
Concen: 7.539 ng/ul
RT: 23.327 min Scan# 4832
Delta R.T. -0.000 min
Lab File: BN032496.D
Acq: 05 Jul 2024 04:58

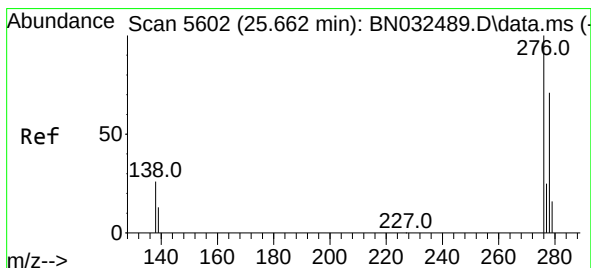
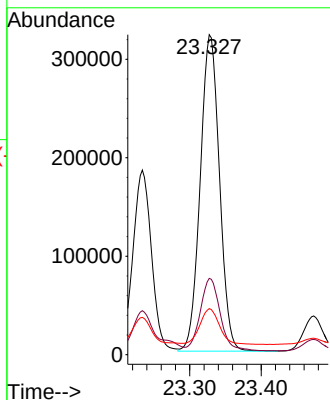
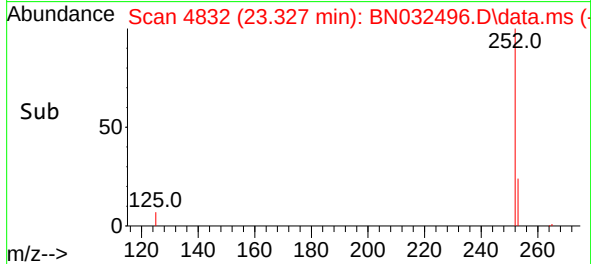
Instrument :
BNA_N
ClientSampleId :
A4CX6MS



Tgt Ion:252 Resp: 60136
Ion Ratio Lower Upper
252 100
253 23.8 22.2 33.2
125 14.4 16.4 24.6

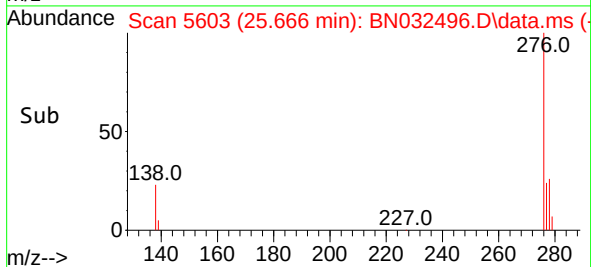
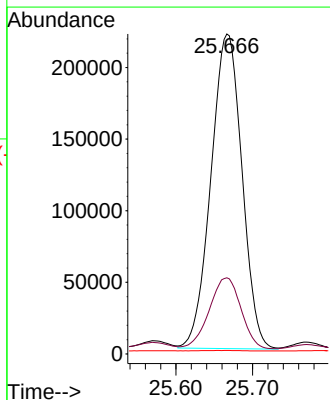
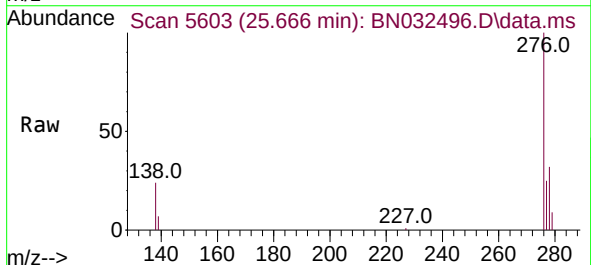
Manual Integrations
APPROVED

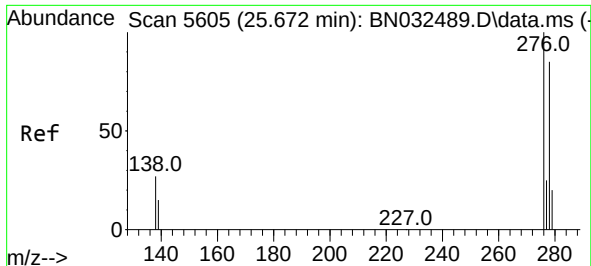
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 4.945 ng/ul
RT: 25.666 min Scan# 5603
Delta R.T. 0.007 min
Lab File: BN032496.D
Acq: 05 Jul 2024 04:58

Tgt Ion:276 Resp: 617600
Ion Ratio Lower Upper
276 100
138 23.1 21.3 31.9
227 0.2 0.1 0.1





#28

Dibenzo(a,h)anthracene

Concen: 2.437 ng/ul

RT: 25.666 min Scan# 5603

Delta R.T. -0.000 min

Lab File: BN032496.D

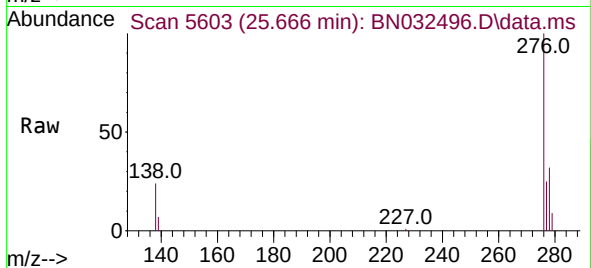
Acq: 05 Jul 2024 04:58

Instrument :

BNA_N

ClientSampleId :

A4CX6MS



Tgt Ion:278 Resp: 226090

Ion Ratio Lower Upper

278 100

139 22.8 15.9 23.9

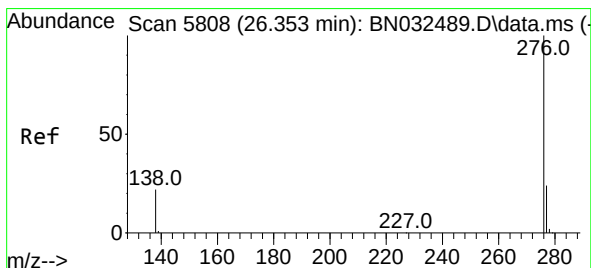
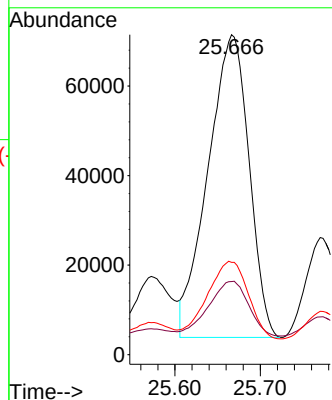
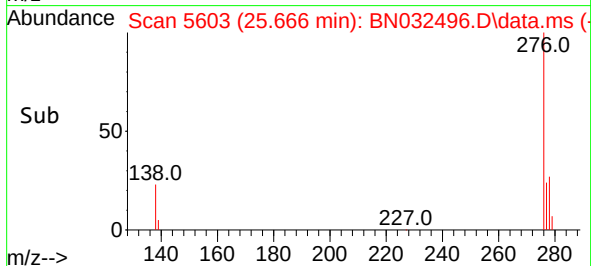
279 28.9 21.1 31.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/05/2024

Supervised By :mohammad ahmed 07/05/2024



#29

Benzo(g,h,i)perylene

Concen: 0.952 ng/ul

RT: 26.354 min Scan# 5808

Delta R.T. 0.010 min

Lab File: BN032496.D

Acq: 05 Jul 2024 04:58

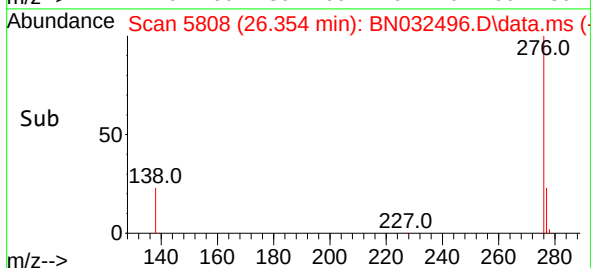
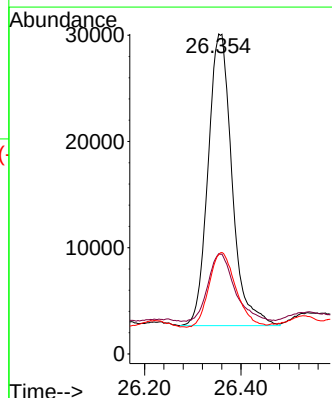
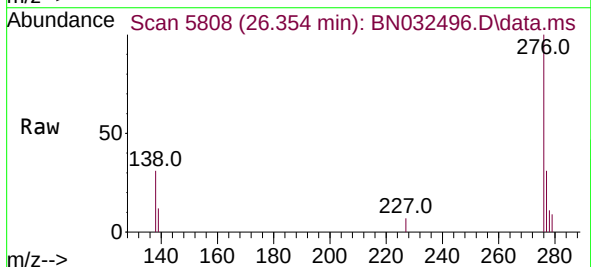
Tgt Ion:276 Resp: 94715

Ion Ratio Lower Upper

276 100

138 31.3 19.8 29.6#

277 31.0 19.8 29.6#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
 Data File : BN032496.D
 Acq On : 05 Jul 2024 04:58
 Operator : MA/JU
 Sample : P3065-02MS
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CX6MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/05/2024
 Supervised By :mohammad ahmed 07/05/2024

Quant Time: Jul 05 05:29:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 03 03:26:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.595	152	6258	0.400	ng/ul	0.00
4) Naphthalene-d8	10.371	136	18432	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.244	164	10248	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.999	188	20309	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.208	240	17725	0.400	ng/ul	# 0.00
23) Perylene-d12	23.424	264	26387	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.143	96	2423	0.348	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.966	152	6257	0.226	ng/ul	-0.01
18) Fluoranthene-d10	19.041	212	14256	0.267	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.177	88	6416	0.810	ng/ul	92
5) Naphthalene	10.420	128	37458	0.768	ng/ul	100
7) 2-Methylnaphthalene	12.043	142	16428	0.508	ng/ul	99
8) 1-Methylnaphthalene	12.268	142	14222	0.424	ng/ul	99
10) Acenaphthylene	13.962	152	89598	2.102	ng/ul	99
11) Acenaphthene	14.304	153	38526	1.165	ng/ul	98
12) Fluorene	15.303	166	45048	1.143	ng/ul	98
14) Pentachlorophenol	16.665	266	3312	0.721	ng/ul	99
15) Phenanthrene	17.041	178	803982	14.440	ng/ul	99
16) Anthracene	17.134	178	186588	3.757	ng/ul	99
19) Fluoranthene	19.073	202	1850850	27.422	ng/ul	100
20) Pyrene	19.436	202	1398618	19.829	ng/ul	99
21) Benzo(a)anthracene	21.191	228	934518	14.608	ng/ul	98
22) Chrysene	21.243	228	1038731	14.793	ng/ul	97
24) Benzo(b)fluoranthene	22.763	252	1514531m	13.211	ng/ul	
25) Benzo(k)fluoranthene	22.801	252	609592m	5.473	ng/ul	
26) Benzo(a)pyrene	23.327	252	601363	7.539	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	25.666	276	617600	4.945	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.666	278	226096	2.437	ng/ul	95
29) Benzo(g,h,i)perylene	26.354	276	94715	0.952	ng/ul#	87

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