

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060824\
 Data File : BN031863.D
 Acq On : 08 Jun 2024 17:49
 Operator : MA/JU
 Sample : P2634-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHBX3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/10/2024

Quant Time: Jun 10 05:48:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 29 15:13:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	429290	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.452	136	1890110	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.316	164	1169564	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.069	188	2407434	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	1459025	20.000	ng/u1	0.00
88) Perylene-d12	24.251	264	1715414	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.181	96	41219	3.972	ng/uL	-0.01
4) Pyridine-d5	3.593	84	282581	9.674	ng/u1	0.00
7) Phenol-d5	6.852	99	1046083	28.424	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.011	67	553886	25.730	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.205	132	836407	29.786	ng/u1	-0.01
15) 4-Methylphenol-d8	8.381	113	829226	27.641	ng/u1	0.00
21) Nitrobenzene-d5	8.828	128	434770	30.084	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.546	143	484559	32.459	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.081	165	834415	29.940	ng/u1	0.00
31) 4-Chloroaniline-d4	10.599	131	570622	13.790	ng/u1	-0.01
46) Dimethylphthalate-d6	13.734	166	2508135	30.783	ng/u1	-0.01
49) Acenaphthylene-d8	14.010	160	2993704	31.954	ng/u1	0.00
54) 4-Nitrophenol-d4	14.540	143	473677	29.035	ng/u1	0.01
60) Fluorene-d10	15.310	176	2211192	32.074	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.445	200	233422	19.290	ng/u1	0.00
73) Anthracene-d10	17.163	188	3325792	32.268	ng/u1	0.00
81) Pyrene-d10	19.469	212	2867746	36.730	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.051	264	1995959	24.367	ng/u1	0.01
Target Compounds	Qvalue					
50) Acenaphthylene	14.040	152	605358	5.717	ng/u1	99
61) Fluorene	15.369	166	115502	1.507	ng/u1#	94
72) Phenanthrene	17.110	178	3065832	24.999	ng/u1	98
74) Anthracene	17.198	178	629471	5.066	ng/u1	99
77) Carbazole	17.475	167	258426	2.439	ng/u1	98
80) Fluoranthene	19.133	202	6591206	70.639	ng/u1	98
82) Pyrene	19.498	202	5744840	60.008	ng/u1	96
83) Butylbenzylphthalate	20.404	149	179681	3.974	ng/u1	95
85) Benzo(a)anthracene	21.292	228	3284422	33.632	ng/u1	94
86) Bis(2-ethylhexyl)phtha...	21.216	149	1042362	15.814	ng/u1	97
87) Chrysene	21.351	228	3575891	39.201	ng/u1	96
90) Benzo(b)fluoranthene	23.333	252	4544005	44.317	ng/u1	99
91) Benzo(k)fluoranthene	23.380	252	1755940m	17.452	ng/u1	
93) Benzo(a)pyrene	24.116	252	2166917	22.564	ng/u1	94
94) Indeno(1,2,3-cd)pyrene	27.568	276	1938591	17.518	ng/u1	94
95) Dibenzo(a,h)anthracene	27.604	278	641774	7.103	ng/u1#	91
96) Benzo(g,h,i)perylene	28.598	276	281442m	3.199	ng/u1	

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

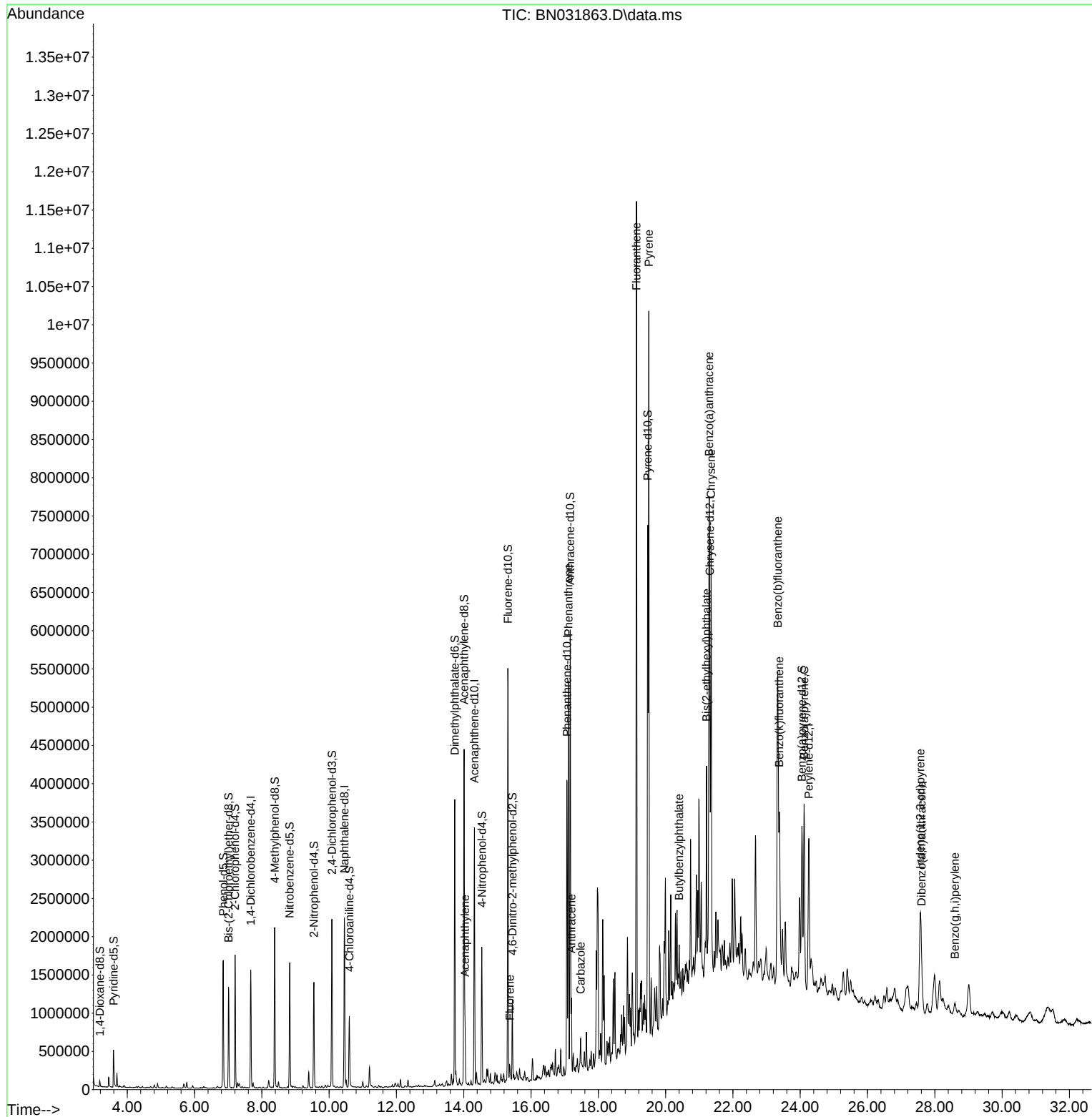
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060824\
Data File : BN031863.D
Acq On : 08 Jun 2024 17:49
Operator : MA/JU
Sample : P2634-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

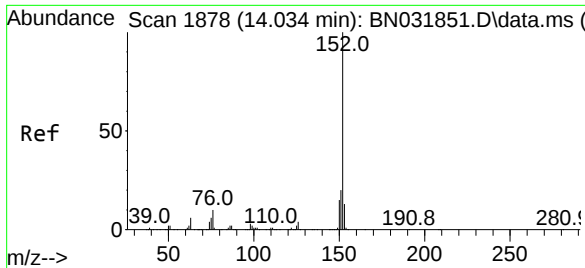
Instrument :
BNA_N
ClientSampleId :
BHBX3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

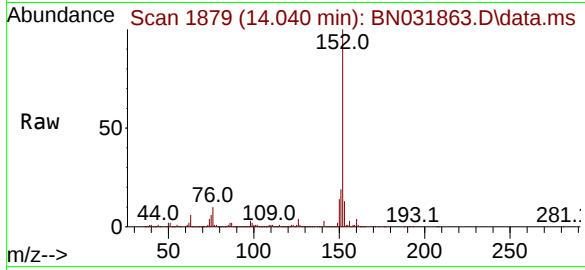
Quant Time: Jun 10 05:48:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 29 15:13:07 2024
Response via : Initial Calibration





#50
Acenaphthylene
Concen: 5.717 ng/ul
RT: 14.040 min Scan# 11
Delta R.T. -0.006 min
Lab File: BN031863.D
Acq: 08 Jun 2024 17:49

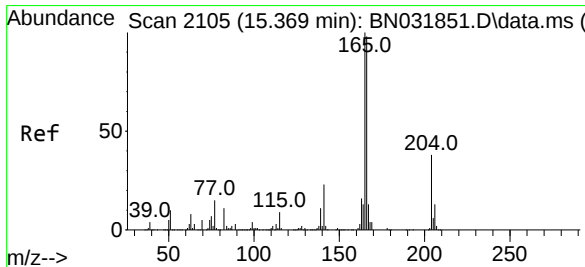
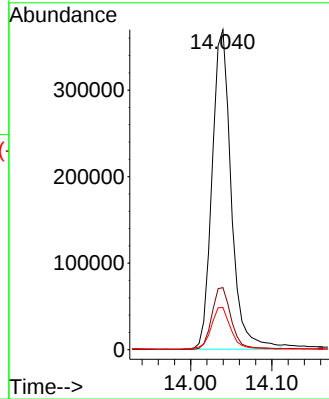
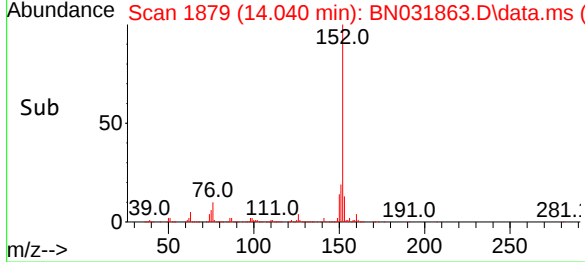
Instrument :
BNA_N
ClientSampleId :
BHBX3



Tgt Ion:152 Resp: 605358
Ion Ratio Lower Upper
152 100
151 19.4 15.9 23.9
153 13.2 10.4 15.6

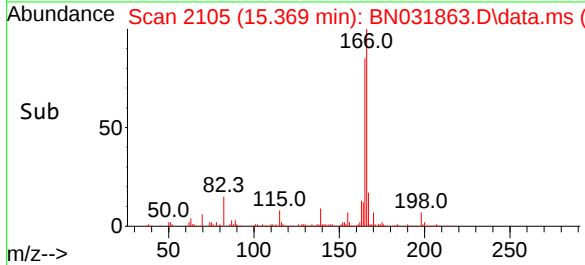
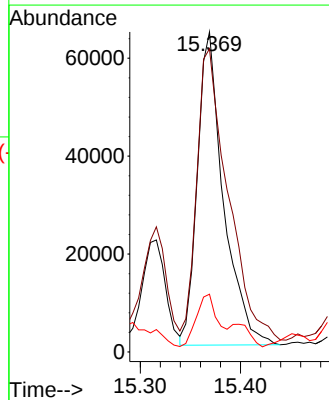
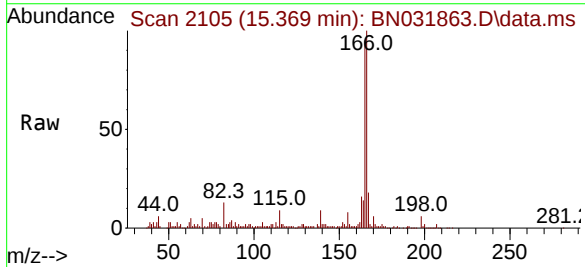
Manual Integrations
APPROVED

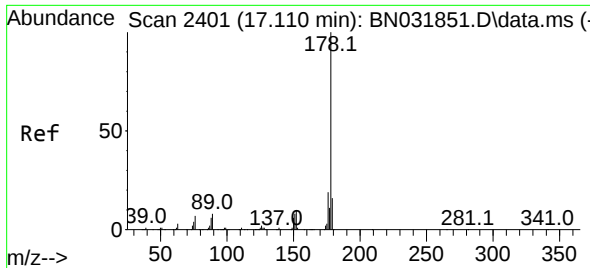
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#61
Fluorene
Concen: 1.507 ng/ul
RT: 15.369 min Scan# 2105
Delta R.T. -0.006 min
Lab File: BN031863.D
Acq: 08 Jun 2024 17:49

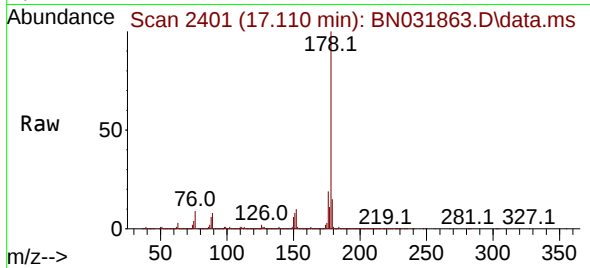
Tgt Ion:166 Resp: 115502
Ion Ratio Lower Upper
166 100
165 94.8 80.3 120.5
167 18.0 11.3 16.9#





#72
Phenanthrene
Concen: 24.999 ng/ul
RT: 17.110 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BN031863.D
Acq: 08 Jun 2024 17:49

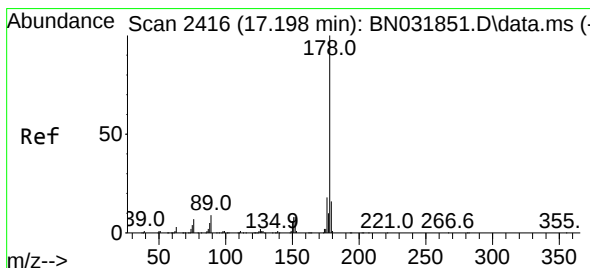
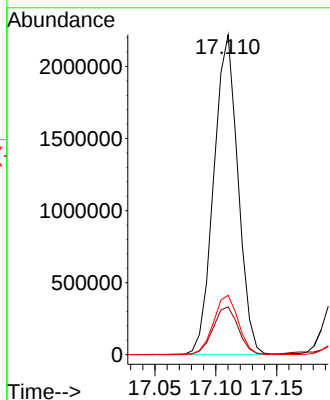
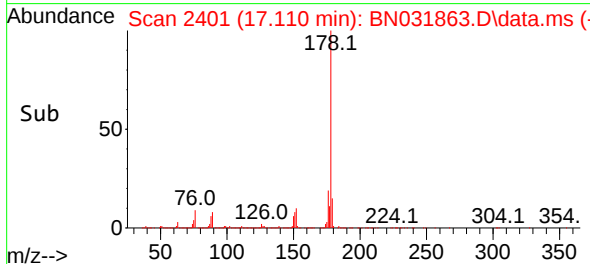
Instrument :
BNA_N
ClientSampleId :
BHBX3



Tgt Ion:178 Resp: 306583
Ion Ratio Lower Upper
178 100
179 14.9 12.6 19.0
176 18.6 15.8 23.6

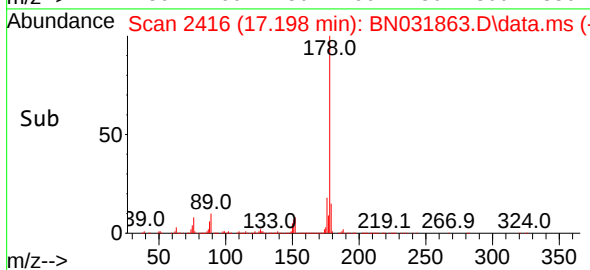
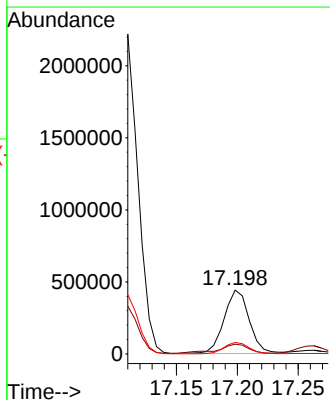
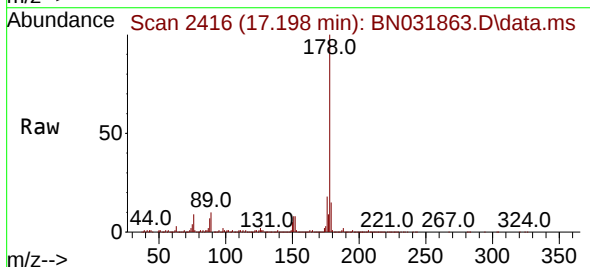
Manual Integrations
APPROVED

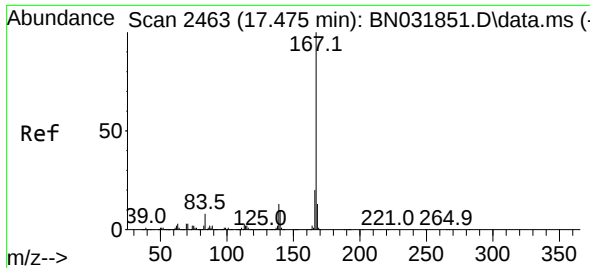
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#74
Anthracene
Concen: 5.066 ng/ul
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BN031863.D
Acq: 08 Jun 2024 17:49

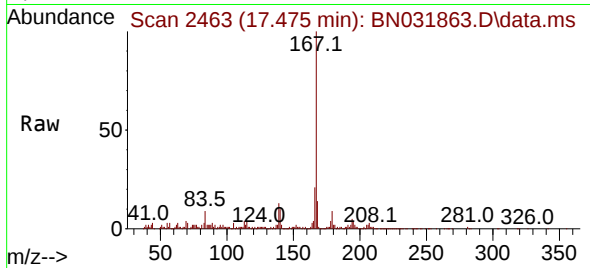
Tgt Ion:178 Resp: 629471
Ion Ratio Lower Upper
178 100
179 15.3 11.8 17.6
176 18.0 14.8 22.2





#77
 Carbazole
 Concen: 2.439 ng/ul
 RT: 17.475 min Scan# 2463
 Delta R.T. -0.000 min
 Lab File: BN031863.D
 Acq: 08 Jun 2024 17:49

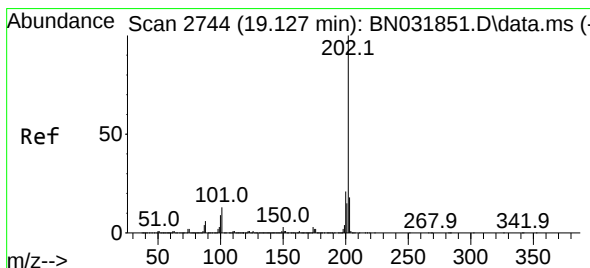
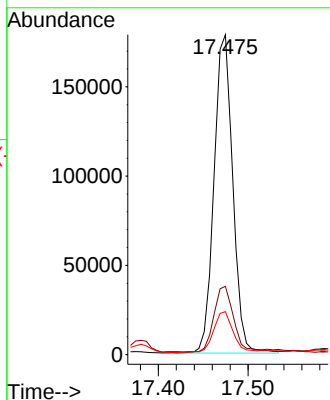
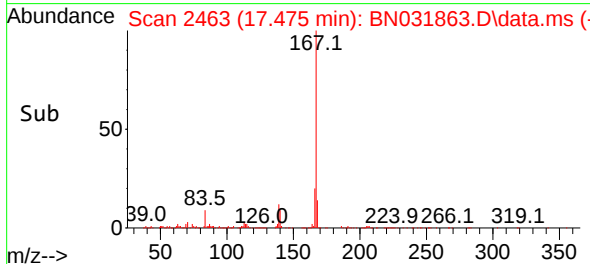
Instrument :
 BNA_N
 ClientSampleId :
 BHBX3



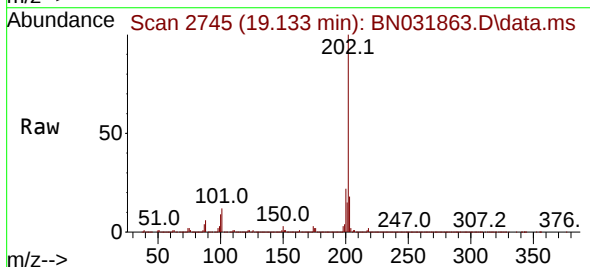
Tgt Ion:167 Resp: 258420
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.9 26.9
 139 13.4 10.5 15.7

Manual Integrations
 APPROVED

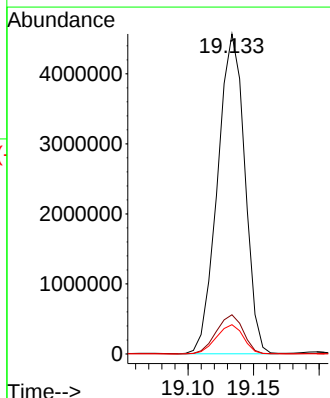
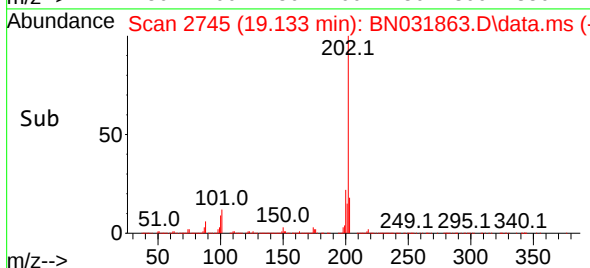
Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/10/2024

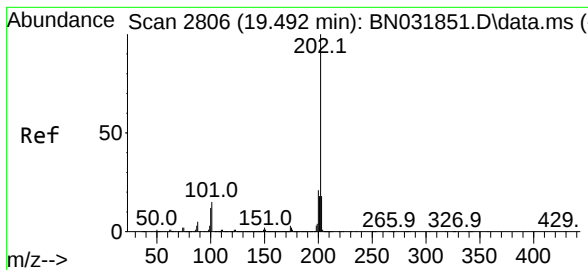


#80
 Fluoranthene
 Concen: 70.639 ng/ul
 RT: 19.133 min Scan# 2745
 Delta R.T. -0.000 min
 Lab File: BN031863.D
 Acq: 08 Jun 2024 17:49



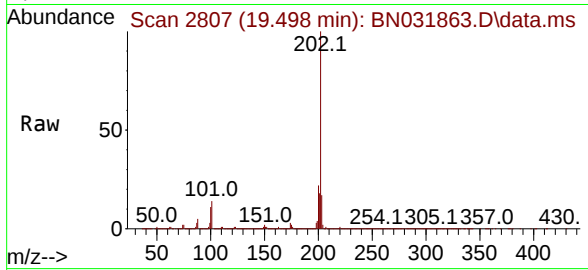
Tgt Ion:202 Resp: 6591206
 Ion Ratio Lower Upper
 202 100
 101 12.2 10.3 15.5
 100 9.2 8.0 12.0





#82
Pyrene
Concen: 60.008 ng/ul
RT: 19.498 min Scan# 2807
Delta R.T. 0.006 min
Lab File: BN031863.D
Acq: 08 Jun 2024 17:49

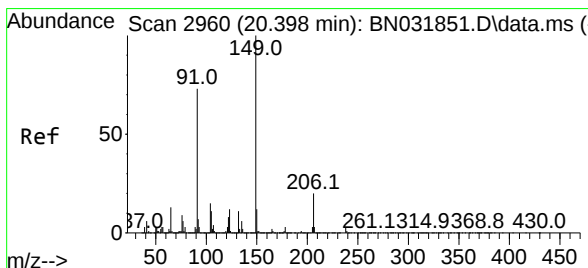
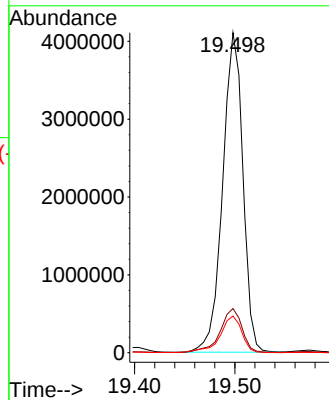
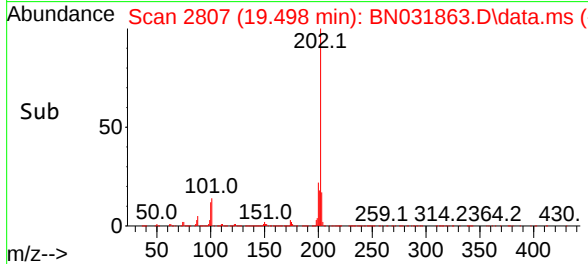
Instrument :
BNA_N
ClientSampleId :
BHBX3



Tgt Ion:202 Resp: 5744840
Ion Ratio Lower Upper
202 100
101 13.8 12.6 18.8
100 11.5 10.2 15.2

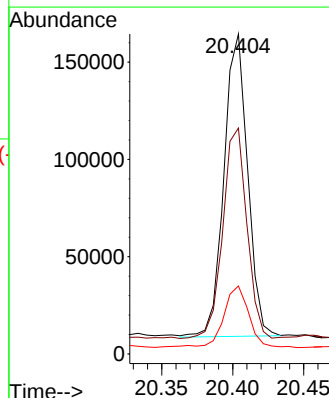
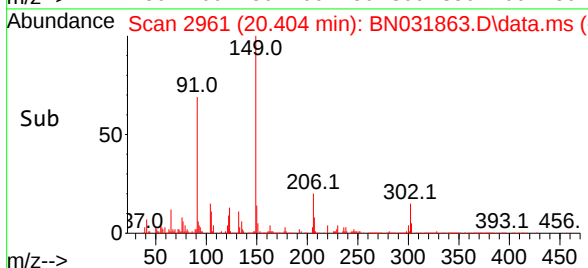
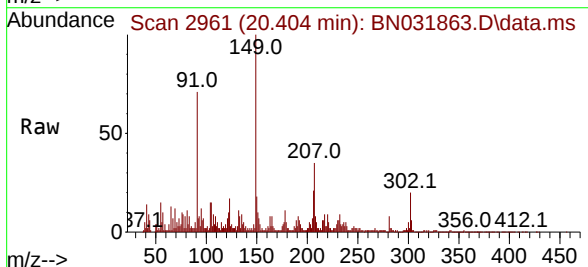
Manual Integrations
APPROVED

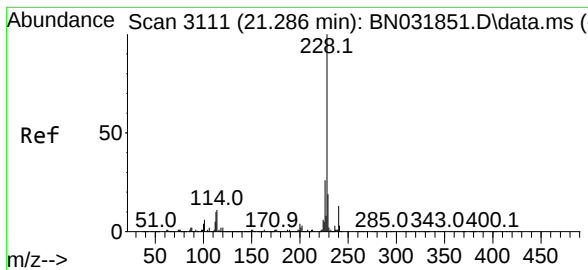
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#83
Butylbenzylphthalate
Concen: 3.974 ng/ul
RT: 20.404 min Scan# 2961
Delta R.T. -0.000 min
Lab File: BN031863.D
Acq: 08 Jun 2024 17:49

Tgt Ion:149 Resp: 179681
Ion Ratio Lower Upper
149 100
91 70.6 61.0 91.4
206 21.3 16.5 24.7





#85

Benzo(a)anthracene

Concen: 33.632 ng/ul

RT: 21.292 min Scan# 3111

Delta R.T. 0.006 min

Lab File: BN031863.D

Acq: 08 Jun 2024 17:49

Instrument :

BNA_N

ClientSampleId :

BHBX3

Tgt Ion:228 Resp: 328442

Ion Ratio Lower Upper

228 100

229 21.7 16.7 25.1

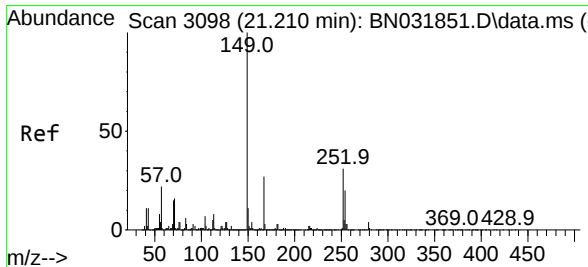
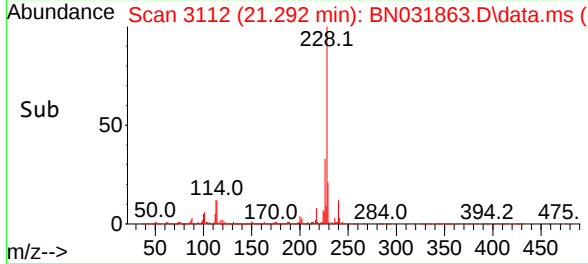
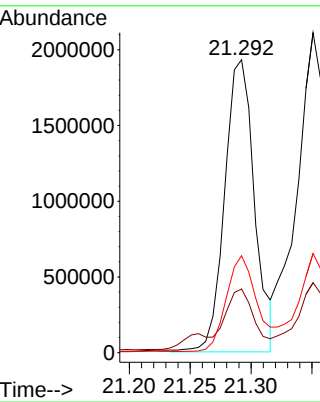
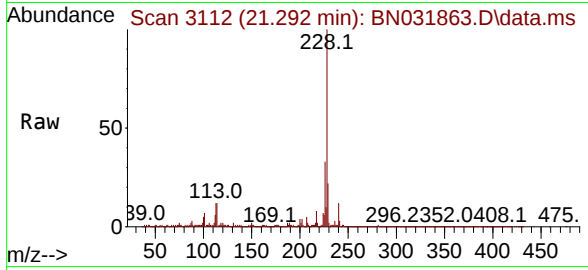
226 33.1 22.8 34.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 15.814 ng/ul

RT: 21.216 min Scan# 3099

Delta R.T. -0.006 min

Lab File: BN031863.D

Acq: 08 Jun 2024 17:49

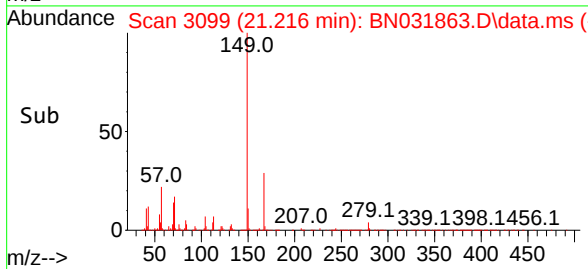
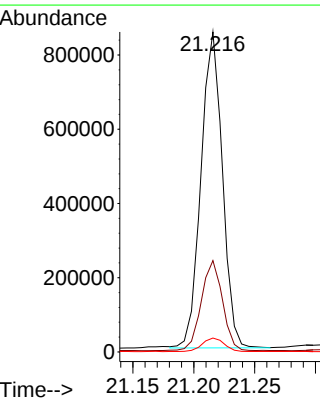
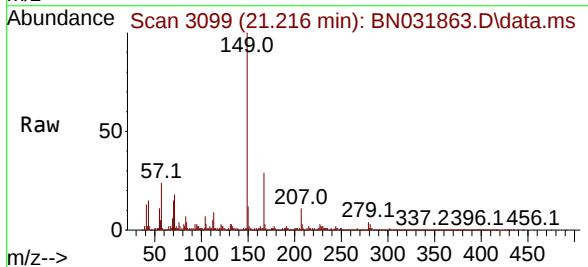
Tgt Ion:149 Resp: 1042362

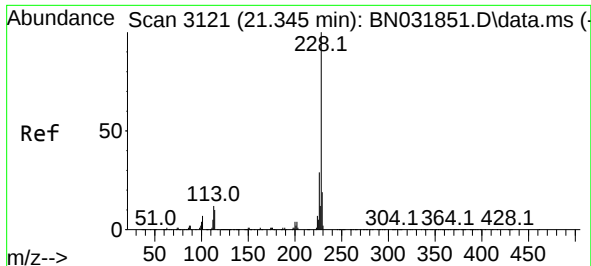
Ion Ratio Lower Upper

149 100

167 28.5 21.4 32.0

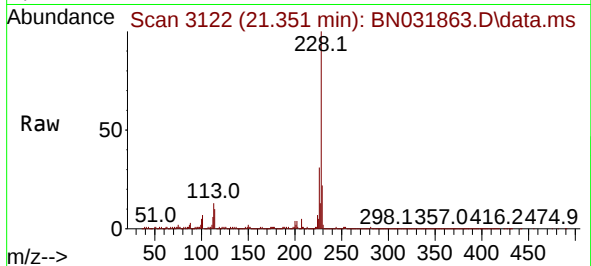
279 4.4 3.3 4.9





#87
Chrysene
Concen: 39.201 ng/ul
RT: 21.351 min Scan# 3121
Delta R.T. -0.000 min
Lab File: BN031863.D
Acq: 08 Jun 2024 17:49

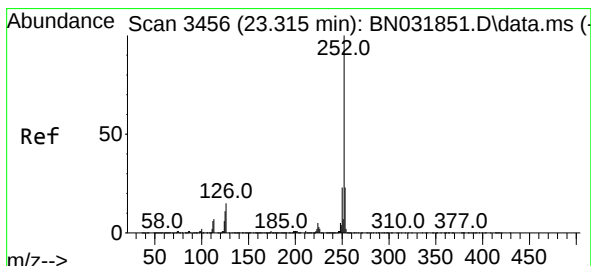
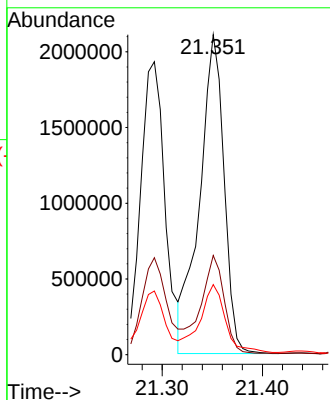
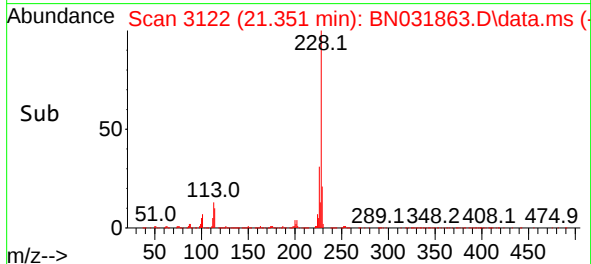
Instrument :
BNA_N
ClientSampleId :
BHBX3



Tgt Ion:228 Resp: 357589
Ion Ratio Lower Upper
228 100
226 31.0 23.7 35.5
229 21.9 15.1 22.7

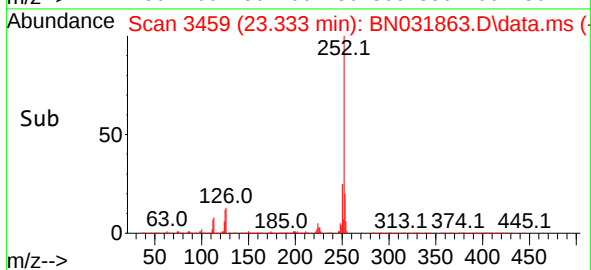
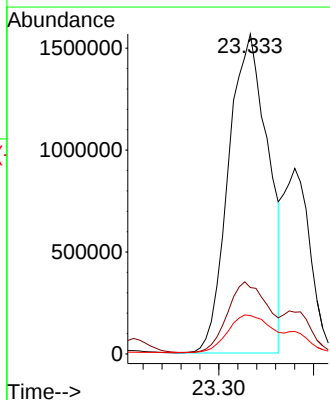
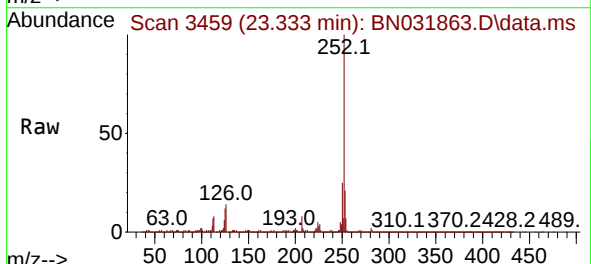
Manual Integrations
APPROVED

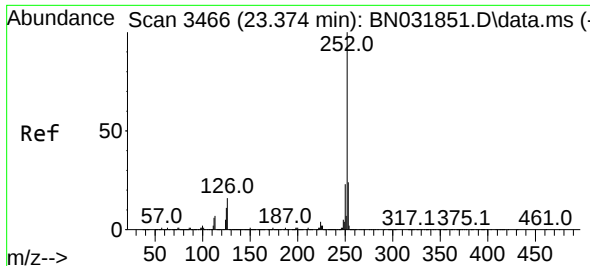
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#90
Benzo(b)fluoranthene
Concen: 44.317 ng/ul
RT: 23.333 min Scan# 3459
Delta R.T. 0.023 min
Lab File: BN031863.D
Acq: 08 Jun 2024 17:49

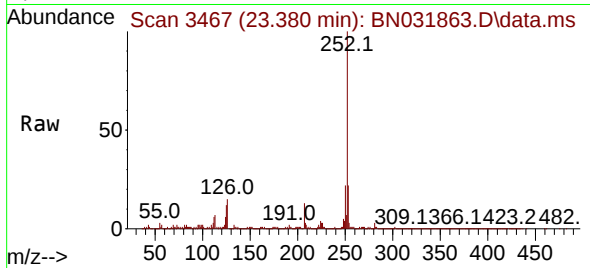
Tgt Ion:252 Resp: 4544005
Ion Ratio Lower Upper
252 100
253 20.7 17.0 25.6
125 12.0 9.2 13.8





#91
Benzo(k)fluoranthene
Concen: 17.452 ng/ul m
RT: 23.380 min Scan# 3466
Delta R.T. 0.006 min
Lab File: BN031863.D
Acq: 08 Jun 2024 17:49

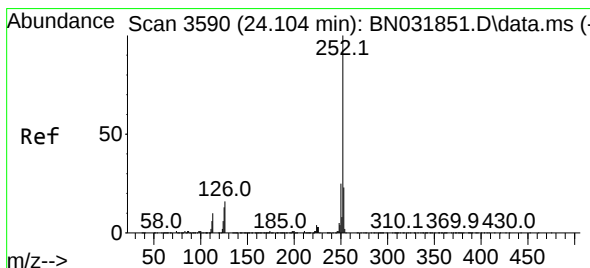
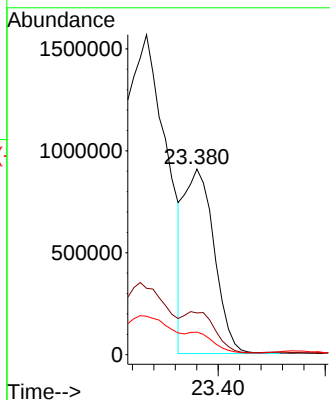
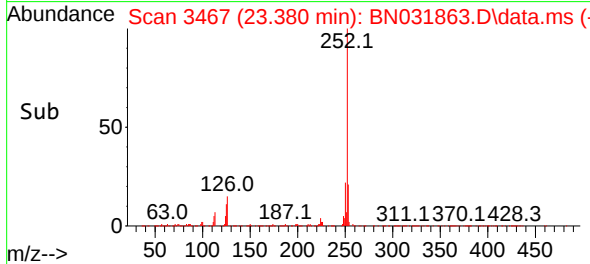
Instrument :
BNA_N
ClientSampleId :
BHBX3



Tgt Ion:252 Resp: 1755940
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 12.1 9.4 14.2

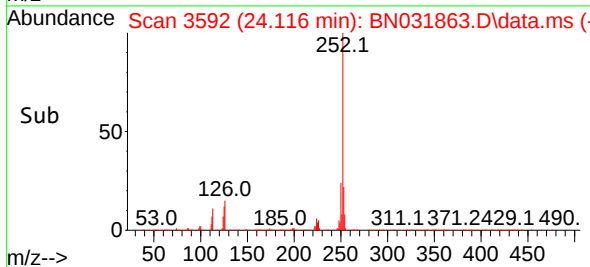
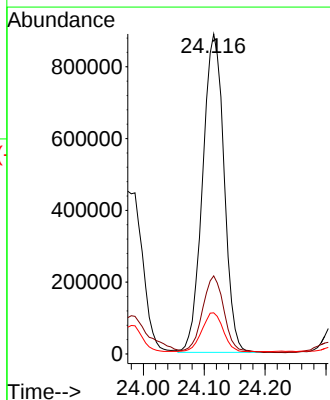
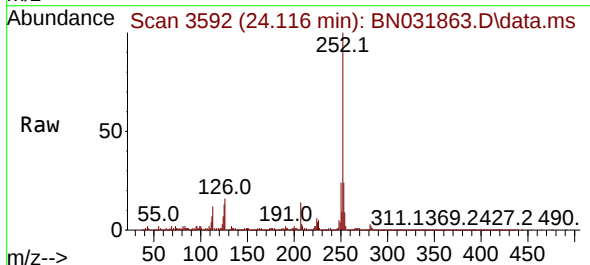
Manual Integrations
APPROVED

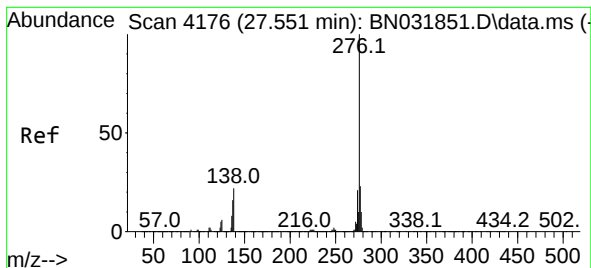
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#93
Benzo(a)pyrene
Concen: 22.564 ng/ul
RT: 24.116 min Scan# 3592
Delta R.T. 0.012 min
Lab File: BN031863.D
Acq: 08 Jun 2024 17:49

Tgt Ion:252 Resp: 2166917
Ion Ratio Lower Upper
252 100
253 24.4 16.6 24.8
125 12.8 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 17.518 ng/ul

RT: 27.568 min Scan# 4179

Delta R.T. 0.035 min

Lab File: BN031863.D

Acq: 08 Jun 2024 17:49

Instrument :

BNA_N

ClientSampleId :

BHBX3

Tgt Ion:276 Resp: 193859

Ion Ratio Lower Upper

276 100

138 24.3 18.1 27.1

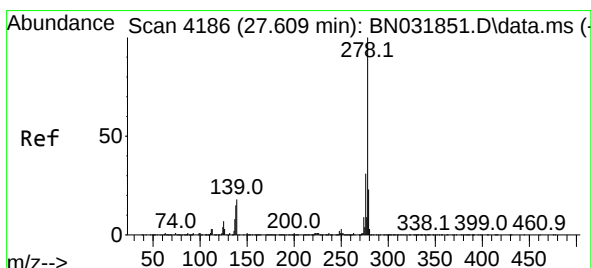
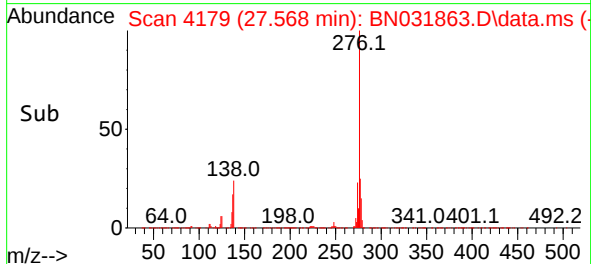
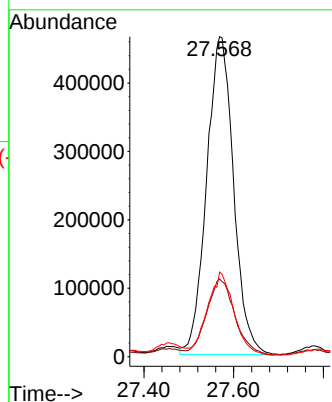
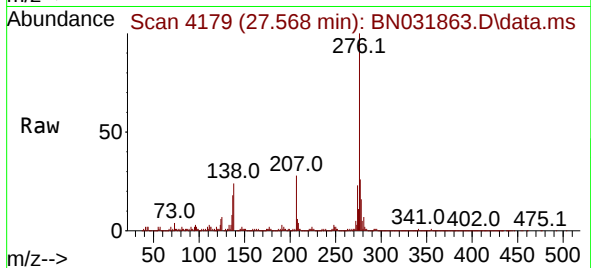
277 26.4 18.2 27.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#95

Dibenzo(a,h)anthracene

Concen: 7.103 ng/ul

RT: 27.604 min Scan# 4185

Delta R.T. -0.000 min

Lab File: BN031863.D

Acq: 08 Jun 2024 17:49

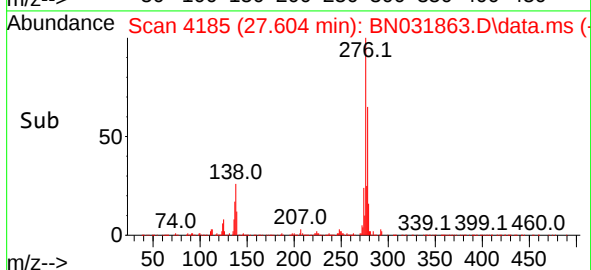
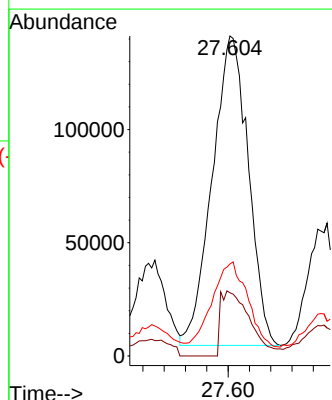
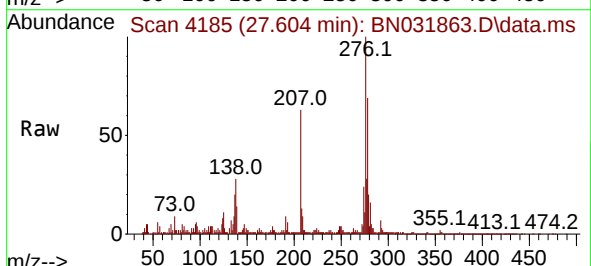
Tgt Ion:278 Resp: 641774

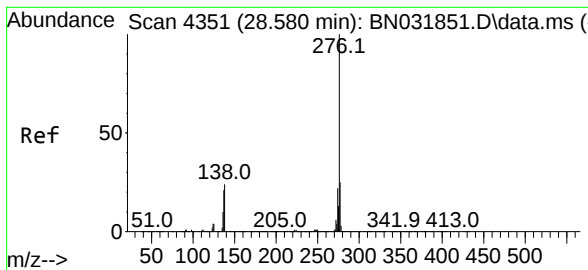
Ion Ratio Lower Upper

278 100

139 19.7 15.0 22.6

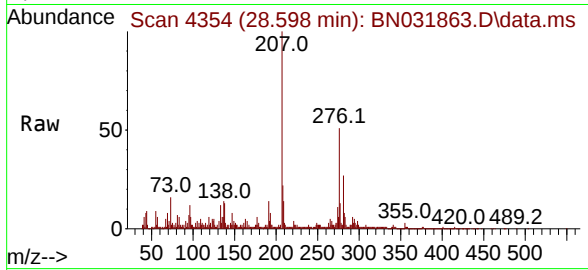
279 28.8 17.4 26.0#





#96
 Benzo(g,h,i)perylene
 Concen: 3.199 ng/ul m
 RT: 28.598 min Scan# 41
 Delta R.T. 0.029 min
 Lab File: BN031863.D
 Acq: 08 Jun 2024 17:49

Instrument :
 BNA_N
 ClientSampleId :
 BHBX3



Tgt Ion:276 Resp: 28144
 Ion Ratio Lower Upper
 276 100
 138 25.5 20.9 31.3
 277 26.4 18.0 27.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/10/2024

