

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060824\
 Data File : BN031868.D
 Acq On : 08 Jun 2024 21:45
 Operator : MA/JU
 Sample : P2634-11DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHBX5DL

Manual Integrations
 APPROVED

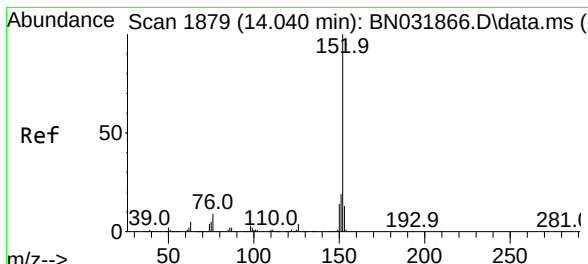
Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/10/2024

Quant Time: Jun 10 05:52:52 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	512278	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.451	136	2152257	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.316	164	1263744	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.063	188	2226040	20.000	ng/u1	0.00
79) Chrysene-d12	21.298	240	1526511	20.000	ng/u1	0.00
88) Perylene-d12	24.239	264	1810576	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.187	96	15181	1.226	ng/uL	0.00
4) Pyridine-d5	3.593	84	175381	5.031	ng/u1	0.00
7) Phenol-d5	6.846	99	310761	7.076	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.010	67	174641	6.799	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.204	132	256242	7.647	ng/u1	-0.01
15) 4-Methylphenol-d8	8.375	113	221877	6.198	ng/u1	-0.01
21) Nitrobenzene-d5	8.828	128	125930	7.652	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.545	143	129247	7.603	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.081	165	230380	7.259	ng/u1	0.00
31) 4-Chloroaniline-d4	10.598	131	241009	5.115	ng/u1	-0.01
46) Dimethylphthalate-d6	13.728	166	654386	7.433	ng/u1	-0.02
49) Acenaphthylene-d8	14.004	160	792811	7.832	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.533	143	84689	4.804	ng/u1	0.00
60) Fluorene-d10	15.310	176	556022	7.464	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.439	200	32222	2.880	ng/u1	0.00
73) Anthracene-d10	17.163	188	746970	7.838	ng/u1	0.00
81) Pyrene-d10	19.463	212	684051	8.374	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.033	264	664213	7.683	ng/u1	0.00
Target Compounds					Qvalue	
50) Acenaphthylene	14.033	152	146369	1.279	ng/u1	99
72) Phenanthrene	17.104	178	1428791	12.600	ng/u1	98
74) Anthracene	17.198	178	205096	1.785	ng/u1	98
77) Carbazole	17.469	167	169167	1.727	ng/u1	97
80) Fluoranthene	19.127	202	2602286	26.656	ng/u1	98
82) Pyrene	19.492	202	2276027	22.723	ng/u1	97
85) Benzo(a)anthracene	21.280	228	1107424	10.838	ng/u1	97
87) Chrysene	21.339	228	1256463	13.165	ng/u1	98
90) Benzo(b)fluoranthene	23.315	252	1641536	15.168	ng/u1	97
91) Benzo(k)fluoranthene	23.368	252	519762	4.894	ng/u1	96
93) Benzo(a)pyrene	24.098	252	1083276	10.687	ng/u1	93
94) Indeno(1,2,3-cd)pyrene	27.550	276	808983	6.926	ng/u1	99
95) Dibenzo(a,h)anthracene	27.592	278	212211m	2.225	ng/u1	
96) Benzo(g,h,i)perylene	28.580	276	786078	8.466	ng/u1	97

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



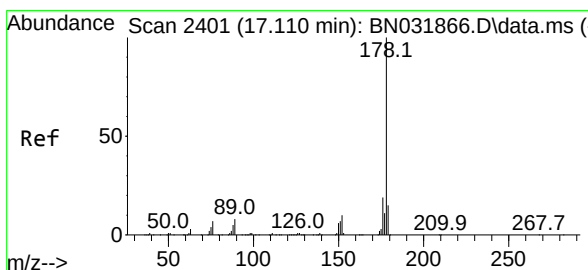
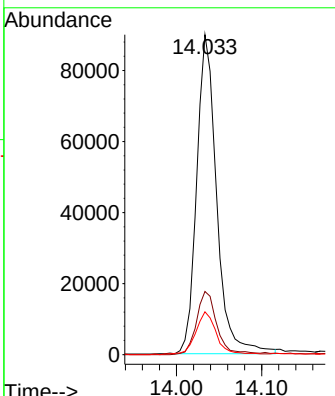
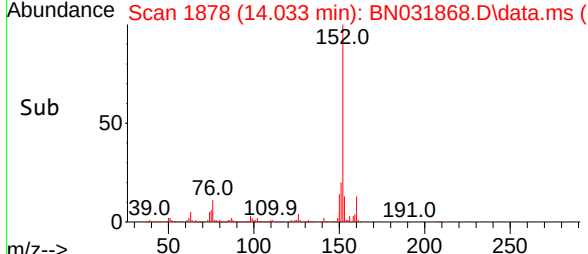
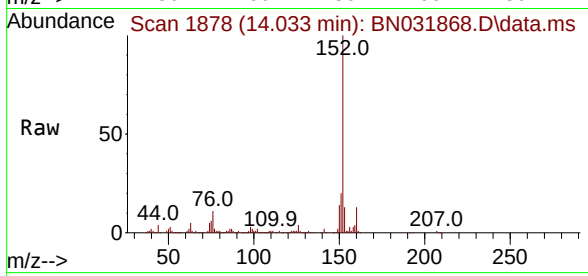
#50
 Acenaphthylene
 Concen: 1.279 ng/ul
 RT: 14.033 min Scan# 1400
 Delta R.T. -0.012 min
 Lab File: BN031868.D
 Acq: 08 Jun 2024 21:45

Instrument : BNA_N
 ClientSampleId : BHBX5DL

Tgt Ion:152	Resp:	146369	
Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.4	10.4	15.6

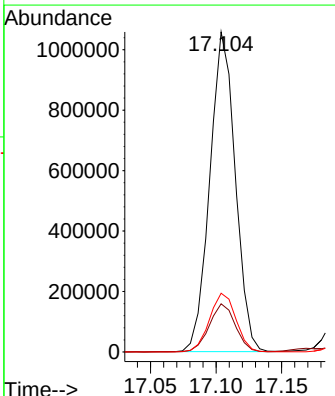
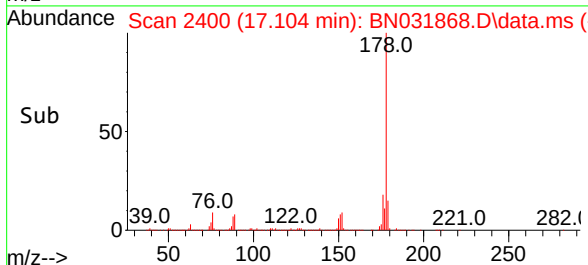
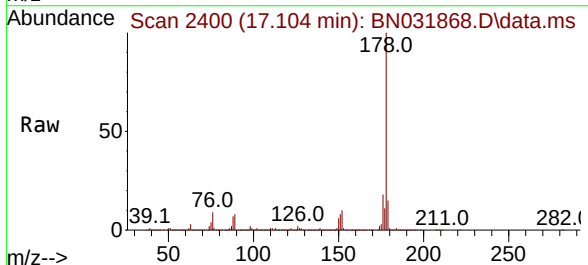
Manual Integrations
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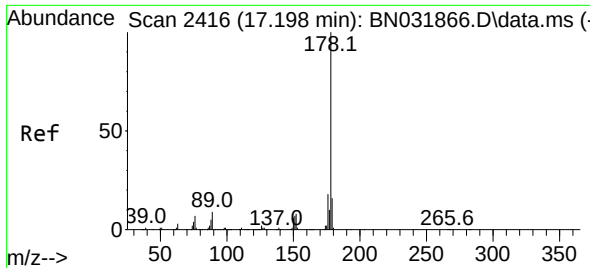
Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/10/2024



#72
 Phenanthrene
 Concen: 12.600 ng/ul
 RT: 17.104 min Scan# 2400
 Delta R.T. -0.012 min
 Lab File: BN031868.D
 Acq: 08 Jun 2024 21:45

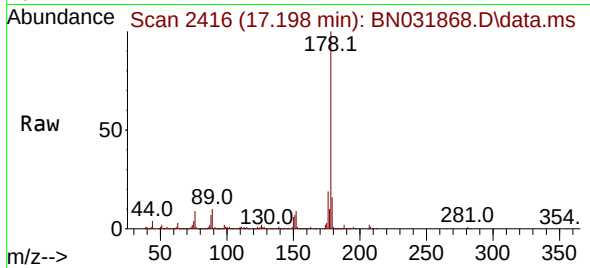
Tgt Ion:178	Resp: 1428791		
Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.6	19.0
176	18.4	15.8	23.6





#74
 Anthracene
 Concen: 1.785 ng/ul
 RT: 17.198 min Scan# 2416
 Delta R.T. -0.006 min
 Lab File: BN031868.D
 Acq: 08 Jun 2024 21:45

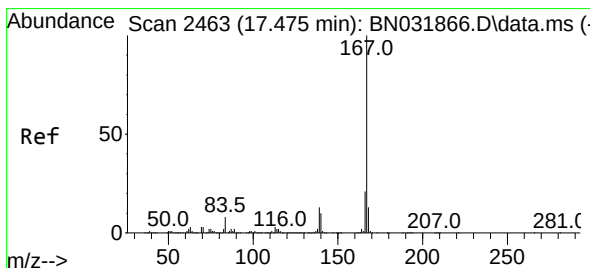
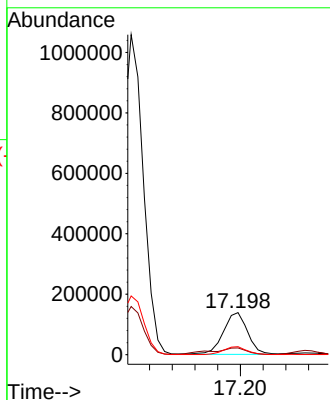
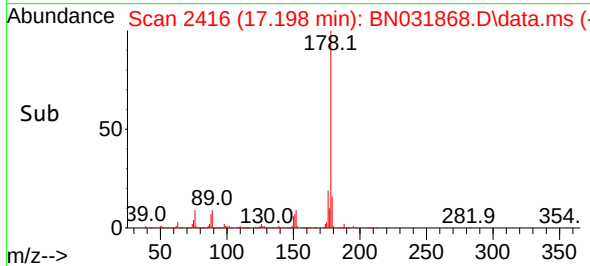
Instrument :
 BNA_N
 ClientSampleId :
 BHBX5DL



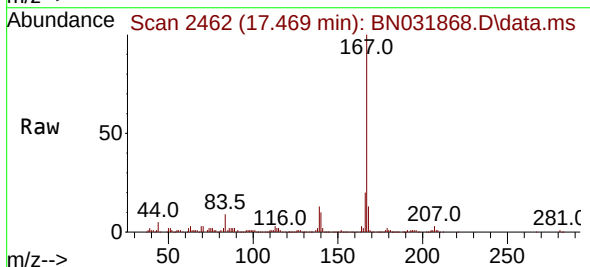
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 Ion Ratio Lower Upper
 178 100
 179 15.8 11.8 17.6
 176 19.2 14.8 22.2

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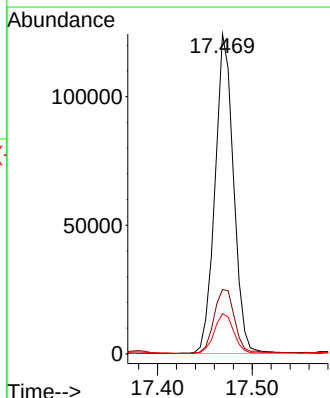
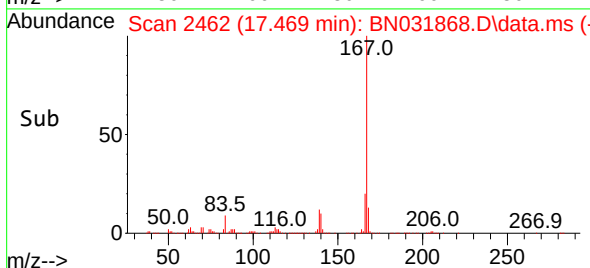
Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/10/2024

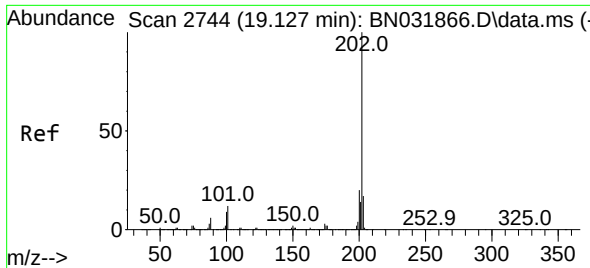


#77
 Carbazole
 Concen: 1.727 ng/ul
 RT: 17.469 min Scan# 2462
 Delta R.T. -0.006 min
 Lab File: BN031868.D
 Acq: 08 Jun 2024 21:45



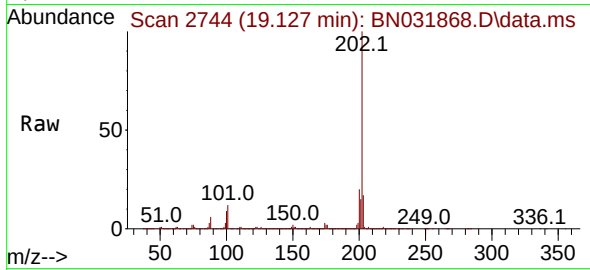
Tgt Ion:167 Resp: 169167
 Ion Ratio Lower Upper
 167 100
 166 20.2 17.9 26.9
 139 12.6 10.5 15.7





#80
Fluoranthene
Concen: 26.656 ng/u1
RT: 19.127 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN031868.D
Acq: 08 Jun 2024 21:45

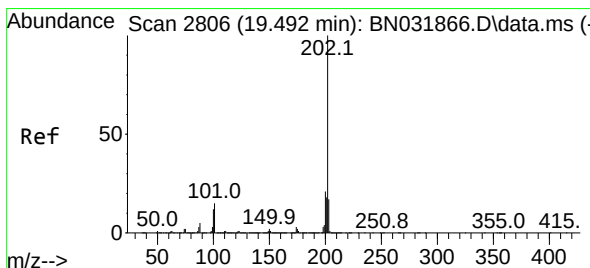
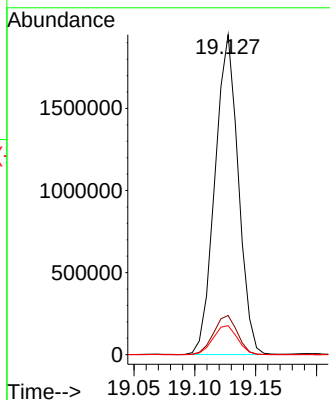
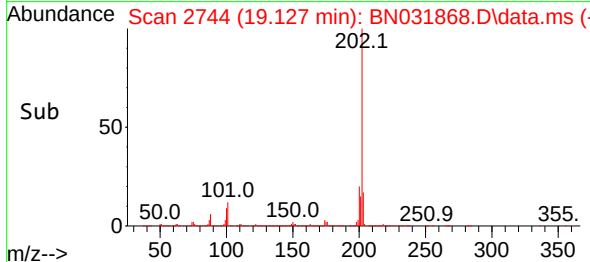
Instrument :
BNA_N
ClientSampleId :
BHBX5DL



Tgt Ion:202 Resp: 2602280
Ion Ratio Lower Upper
202 100
101 12.2 10.3 15.5
100 9.1 8.0 12.0

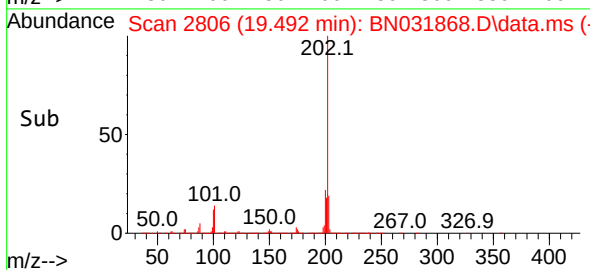
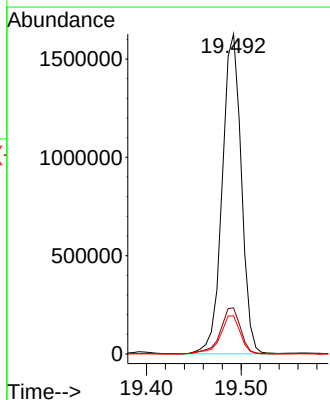
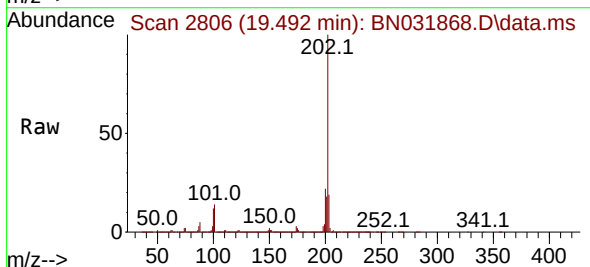
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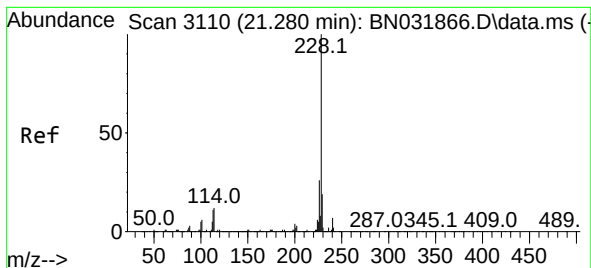
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#82
Pyrene
Concen: 22.723 ng/u1
RT: 19.492 min Scan# 2806
Delta R.T. -0.000 min
Lab File: BN031868.D
Acq: 08 Jun 2024 21:45

Tgt Ion:202 Resp: 2276027
Ion Ratio Lower Upper
202 100
101 14.4 12.6 18.8
100 11.9 10.2 15.2





#85

Benzo(a)anthracene

Concen: 10.838 ng/uI

RT: 21.280 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BN031868.D

Acq: 08 Jun 2024 21:45

Instrument :

BNA_N

ClientSampleId :

BHBX5DL

Tgt Ion:228 Resp: 1107424

Ion Ratio Lower Upper

228 100

229 20.6 16.7 25.1

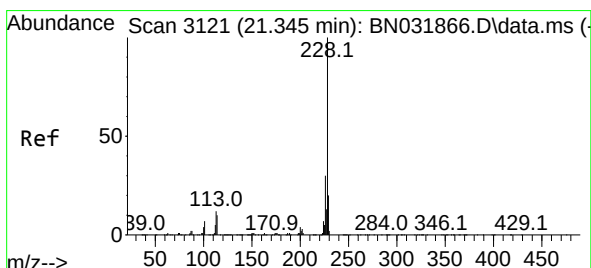
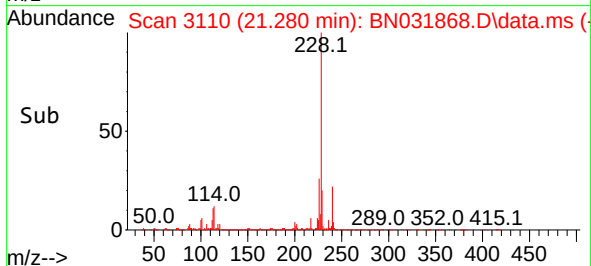
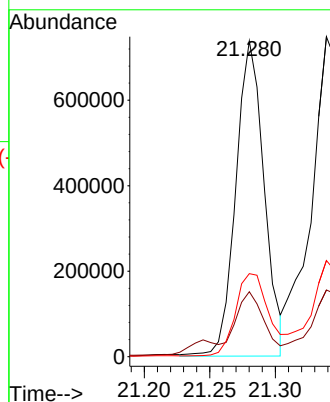
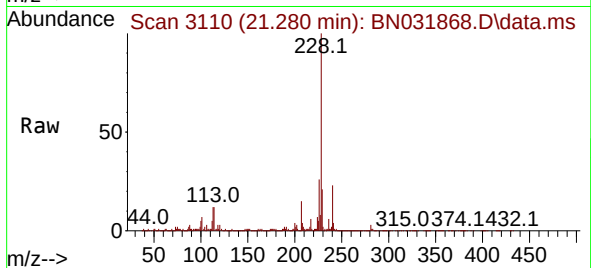
226 26.3 22.8 34.2

Manual Integrations

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Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#87

Chrysene

Concen: 13.165 ng/uI

RT: 21.339 min Scan# 3120

Delta R.T. -0.012 min

Lab File: BN031868.D

Acq: 08 Jun 2024 21:45

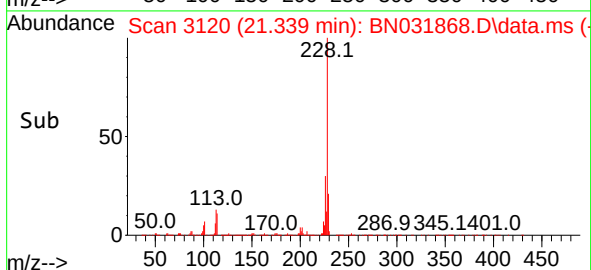
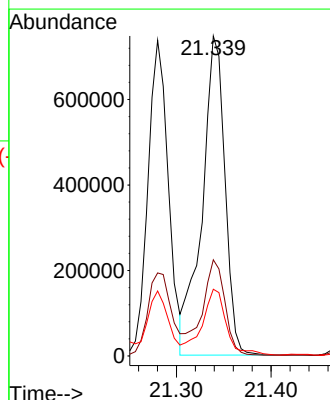
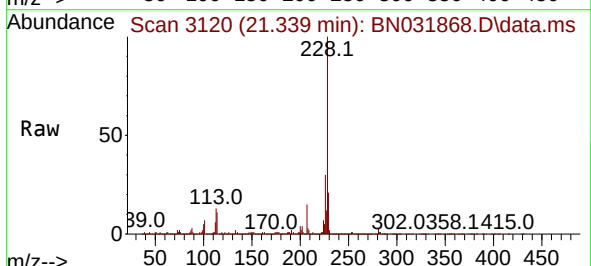
Tgt Ion:228 Resp: 1256463

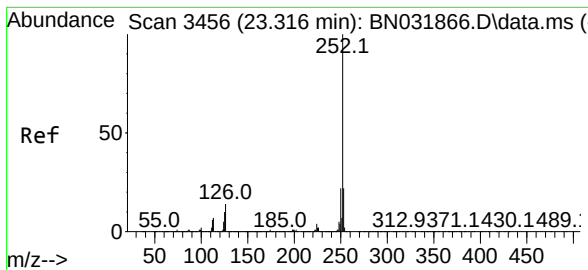
Ion Ratio Lower Upper

228 100

226 30.0 23.7 35.5

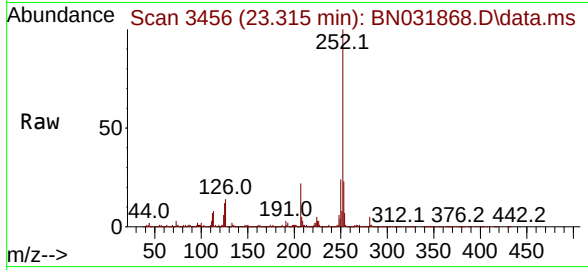
229 20.8 15.1 22.7





#90
Benzo(b)fluoranthene
Concen: 15.168 ng/ul
RT: 23.315 min Scan# 3456
Delta R.T. 0.006 min
Lab File: BN031868.D
Acq: 08 Jun 2024 21:45

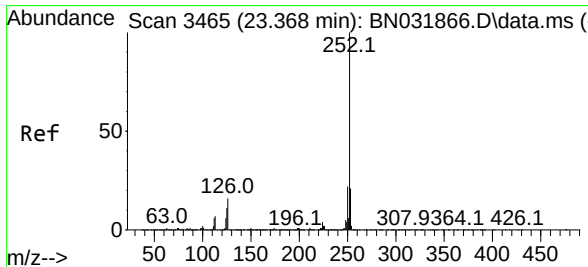
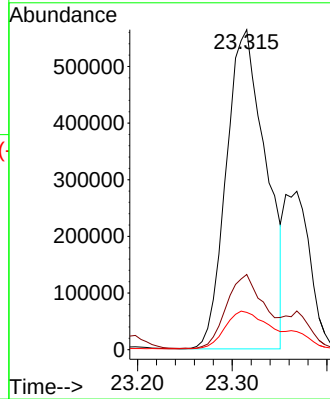
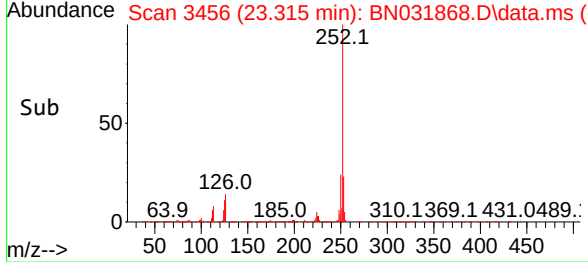
Instrument :
BNA_N
ClientSampleId :
BHBX5DL



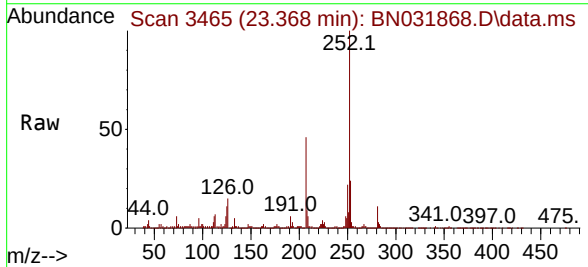
Tgt Ion:252 Resp: 1641530
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 11.7 9.2 13.8

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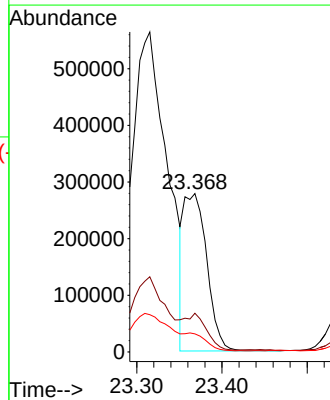
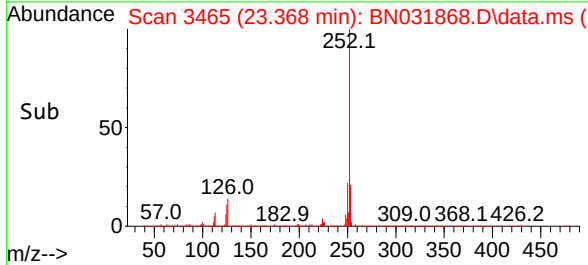
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

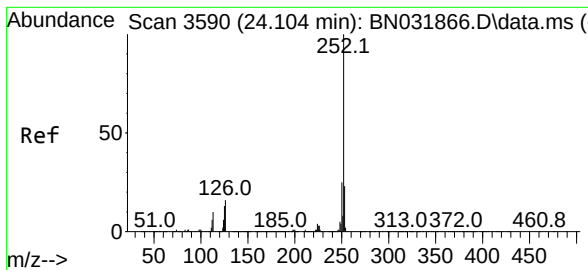


#91
Benzo(k)fluoranthene
Concen: 4.894 ng/ul
RT: 23.368 min Scan# 3465
Delta R.T. -0.006 min
Lab File: BN031868.D
Acq: 08 Jun 2024 21:45



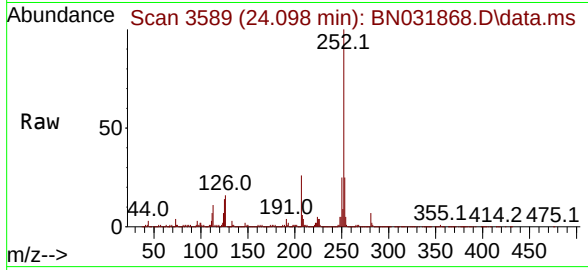
Tgt Ion:252 Resp: 519762
Ion Ratio Lower Upper
252 100
253 24.4 17.6 26.4
125 11.4 9.4 14.2





#93
Benzo(a)pyrene
Concen: 10.687 ng/ul
RT: 24.098 min Scan# 3589
Delta R.T. -0.006 min
Lab File: BN031868.D
Acq: 08 Jun 2024 21:45

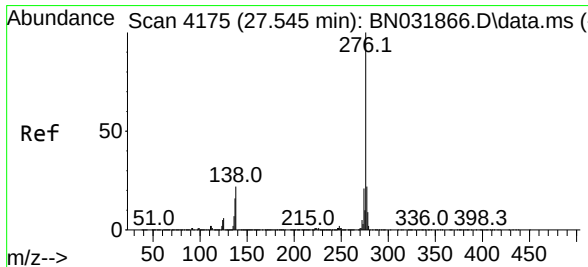
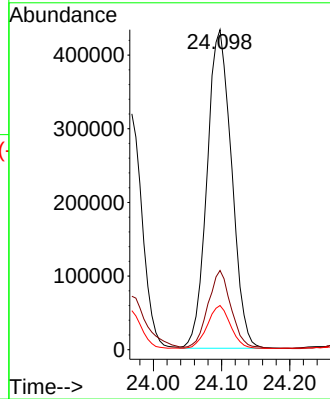
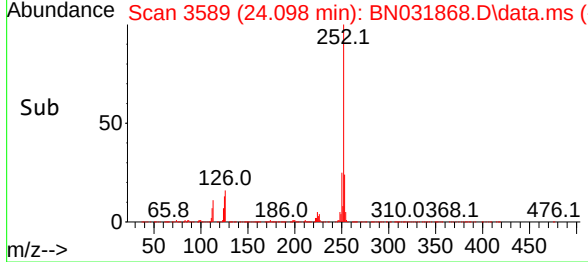
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BHBX5DL



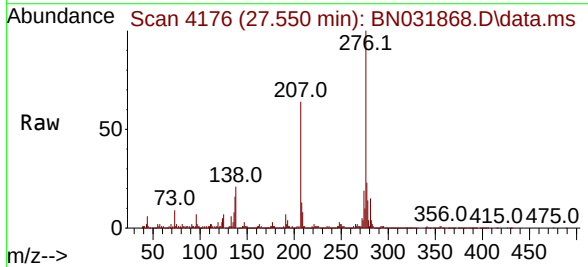
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Ion Ratio Lower Upper
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253 24.8 16.6 24.8
125 13.8 9.8 14.8

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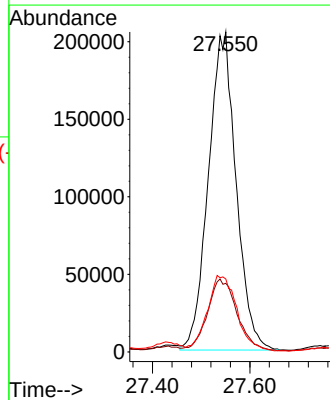
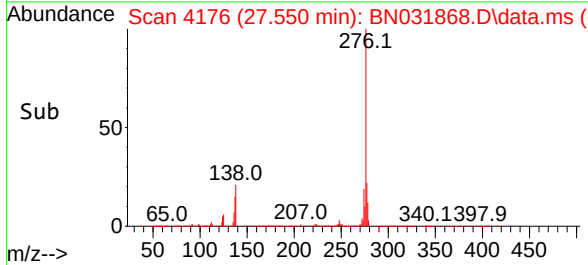
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

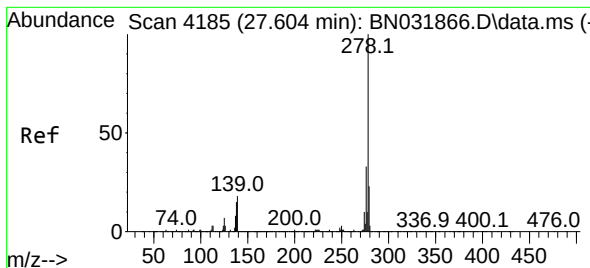


#94
Indeno(1,2,3-cd)pyrene
Concen: 6.926 ng/ul
RT: 27.550 min Scan# 4176
Delta R.T. 0.017 min
Lab File: BN031868.D
Acq: 08 Jun 2024 21:45



Tgt Ion:276 Resp: 808983
Ion Ratio Lower Upper
276 100
138 21.5 18.1 27.1
277 22.8 18.2 27.2





#95

Dibenzo(a,h)anthracene

Concen: 2.225 ng/ul m

RT: 27.592 min Scan# 4185

Delta R.T. -0.012 min

Lab File: BN031868.D

Acq: 08 Jun 2024 21:45

Instrument :

BNA_N

ClientSampleId :

BHBX5DL

Tgt Ion:278 Resp: 21221

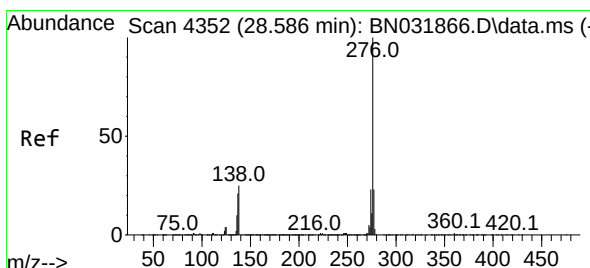
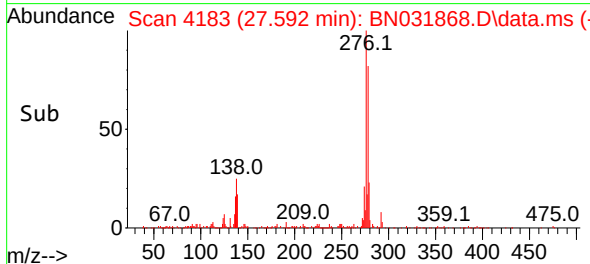
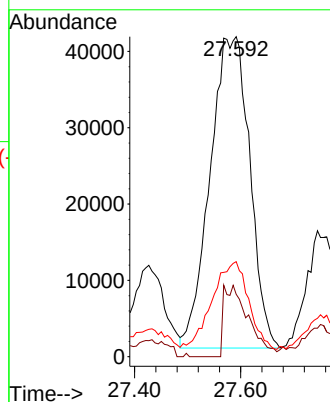
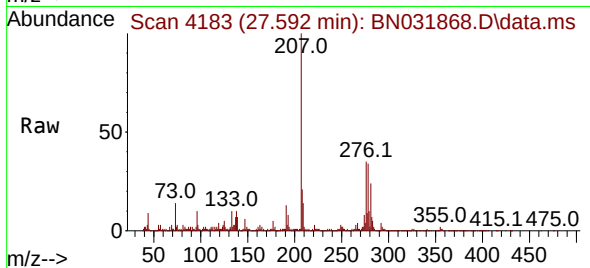
Ion	Ratio	Lower	Upper
278	100		
139	19.5	15.0	22.6
279	29.7	17.4	26.0

Manual Integrations

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Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#96

Benzo(g,h,i)perylene

Concen: 8.466 ng/ul

RT: 28.580 min Scan# 4351

Delta R.T. 0.011 min

Lab File: BN031868.D

Acq: 08 Jun 2024 21:45

Tgt Ion:276 Resp: 786078

Ion	Ratio	Lower	Upper
276	100		
138	23.3	20.9	31.3
277	22.2	18.0	27.0

