

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060624\
 Data File : BN031827.D
 Acq On : 06 Jun 2024 20:32
 Operator : MA/JU
 Sample : P2634-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHBX5

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/07/2024
 Supervised By :mohammad ahmed 06/08/2024

Quant Time: Jun 06 23:54:53 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	396509	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.452	136	1652994	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.316	164	1014642	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.063	188	2063472	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1242167	20.000	ng/u1	0.00
88) Perylene-d12	24.245	264	1422275	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.187	96	55535	5.794	ng/uL	0.00
4) Pyridine-d5	3.587	84	646100	23.948	ng/u1	-0.01
7) Phenol-d5	6.846	99	1100389	32.372	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.011	67	617765	31.070	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.205	132	876387	33.790	ng/u1	-0.01
15) 4-Methylphenol-d8	8.375	113	771755	27.853	ng/u1	-0.01
21) Nitrobenzene-d5	8.828	128	436709	34.553	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.546	143	466783	35.753	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.075	165	798041	32.742	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.593	131	875776	24.200	ng/u1	-0.02
46) Dimethylphthalate-d6	13.728	166	2216373	31.355	ng/u1	-0.02
49) Acenaphthylene-d8	14.004	160	2754668	33.892	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.522	143	412370	29.137	ng/u1	0.00
60) Fluorene-d10	15.310	176	1953744	32.666	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.440	200	271723	26.198	ng/u1	0.00
73) Anthracene-d10	17.163	188	3024670	34.238	ng/u1	0.00
81) Pyrene-d10	19.463	212	2969177	44.669	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.045	264	2233567	32.888	ng/u1	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.504	128	100338	1.173	ng/u1	98
50) Acenaphthylene	14.034	152	510627	5.559	ng/u1	99
52) Acenaphthene	14.375	153	74141	1.220	ng/u1	93
56) Dibenzofuran	14.716	168	101693	1.232	ng/u1	99
61) Fluorene	15.363	166	137773	2.072	ng/u1	98
72) Phenanthrene	17.110	178	5511352	52.431	ng/u1	99
74) Anthracene	17.198	178	809117	7.597	ng/u1	98
77) Carbazole	17.469	167	785642	8.650	ng/u1	98
80) Fluoranthene	19.133	202	10055601	126.582	ng/u1	100
82) Pyrene	19.498	202	9030753	110.800	ng/u1	99
85) Benzo(a)anthracene	21.286	228	4012873	48.264	ng/u1	97
87) Chrysene	21.345	228	4388753	56.511	ng/u1	96
90) Benzo(b)fluoranthene	23.316	252	5335050	62.756	ng/u1	96
91) Benzo(k)fluoranthene	23.374	252	1765588m	21.165	ng/u1	
93) Benzo(a)pyrene	24.110	252	3688357	46.323	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	27.557	276	2790768	30.417	ng/u1	97
95) Dibenzo(a,h)anthracene	27.580	278	711770	9.502	ng/u1#	93
96) Benzo(g,h,i)perylene	28.592	276	2743476	37.615	ng/u1	98

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

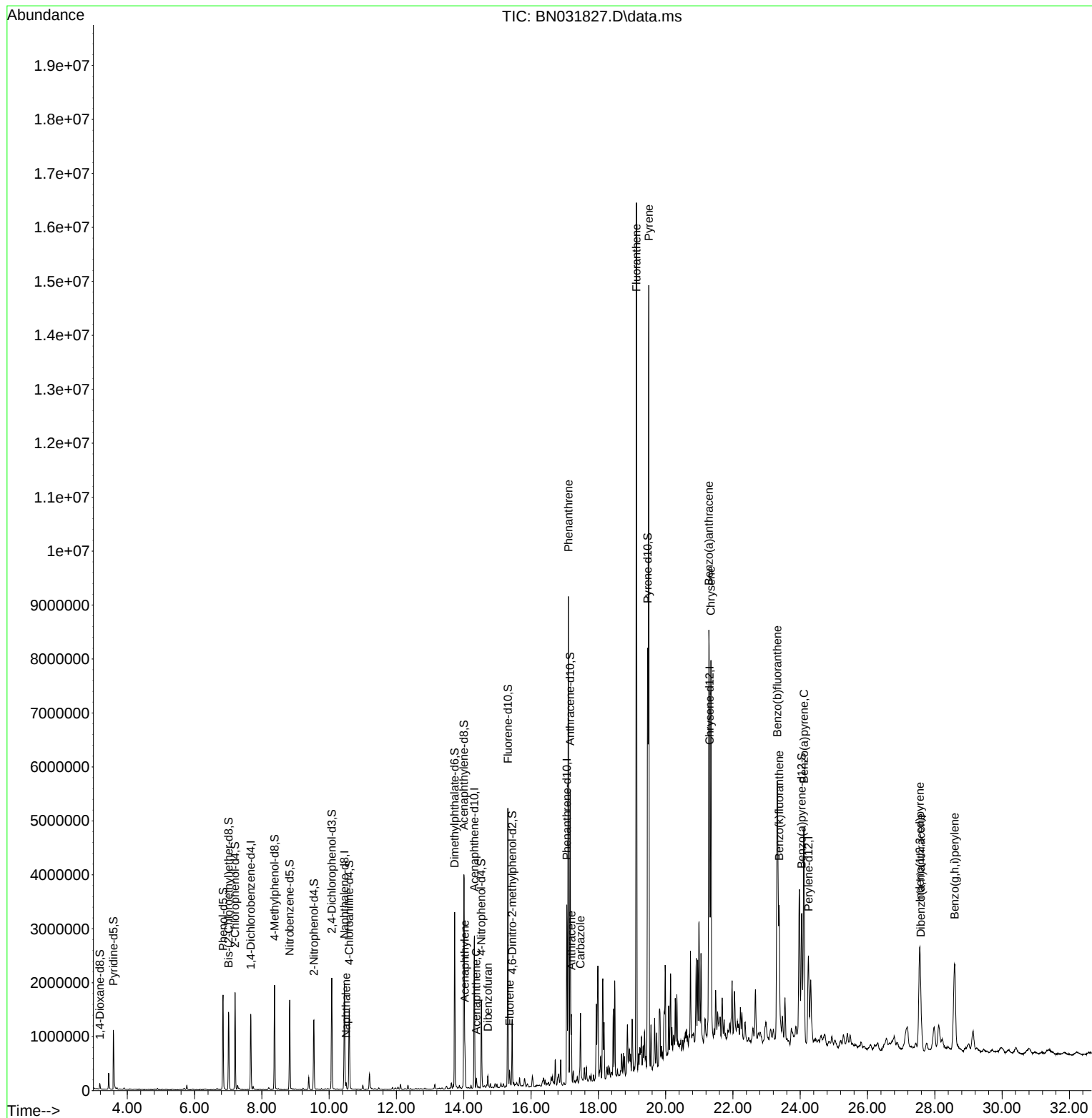
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060624\
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 ALS Vial : 15 Sample Multiplier: 1

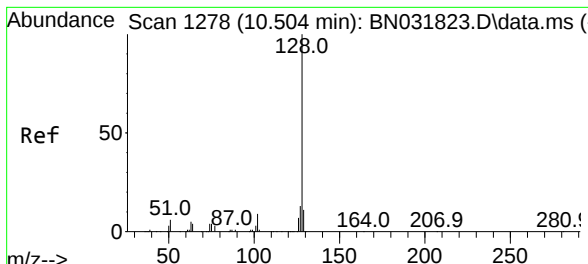
Instrument :
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 Quant Title : SVOA CALIBRATION
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#30
 Naphthalene
 Concen: 1.173 ng/ul
 RT: 10.504 min Scan# 1278
 Delta R.T. -0.012 min
 Lab File: BN031827.D
 Acq: 06 Jun 2024 20:32

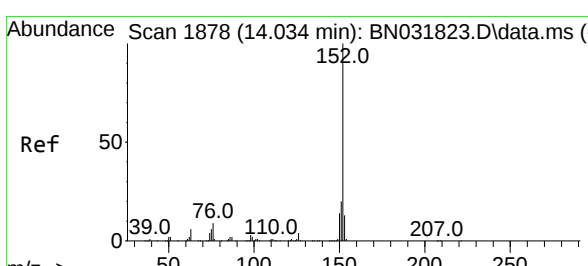
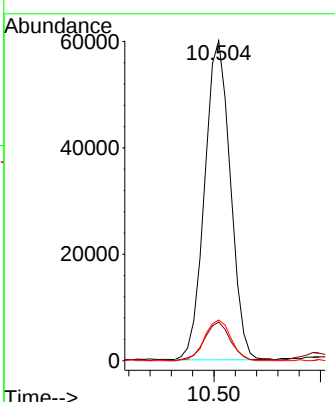
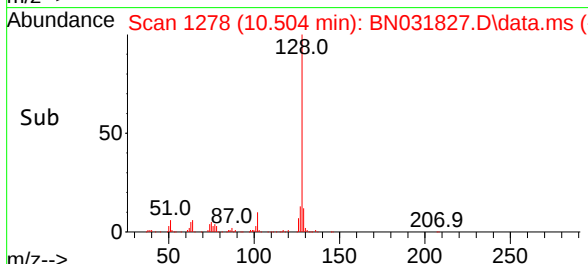
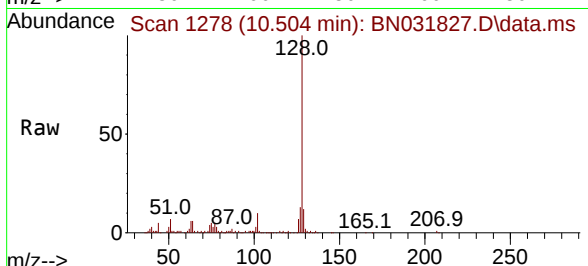
Instrument : BNA_N
 ClientSampleId : BHBX5

Tgt Ion:128 Resp: 100338

Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.5	12.7
127	12.7	10.3	15.5

Manual Integrations
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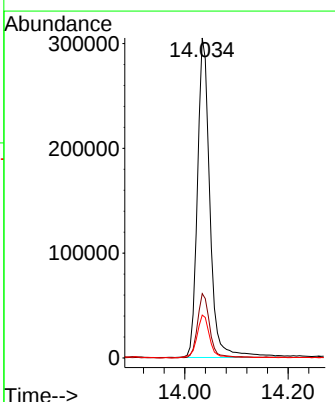
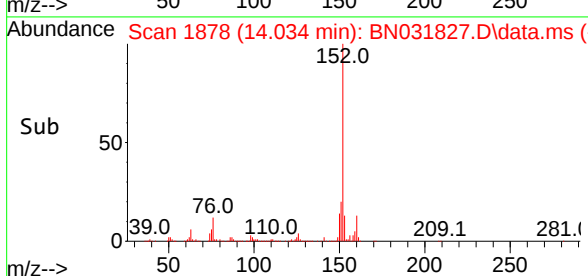
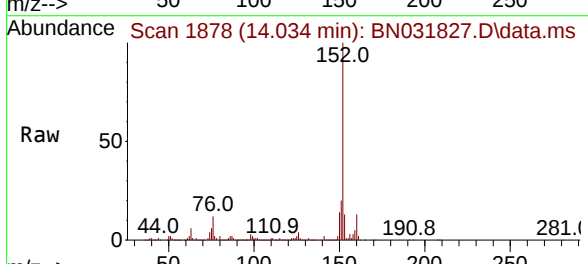
Reviewed By :Jagrut Upadhyay 06/07/2024
 Supervised By :mohammad ahmed 06/08/2024

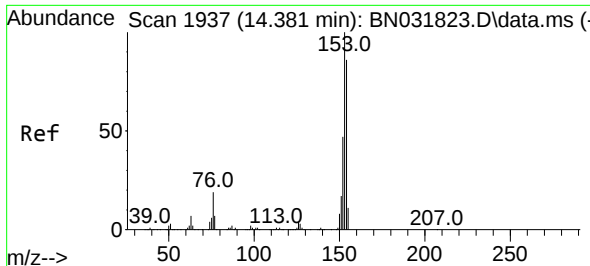


#50
 Acenaphthylene
 Concen: 5.559 ng/ul
 RT: 14.034 min Scan# 1878
 Delta R.T. -0.012 min
 Lab File: BN031827.D
 Acq: 06 Jun 2024 20:32

Tgt Ion:152 Resp: 510627

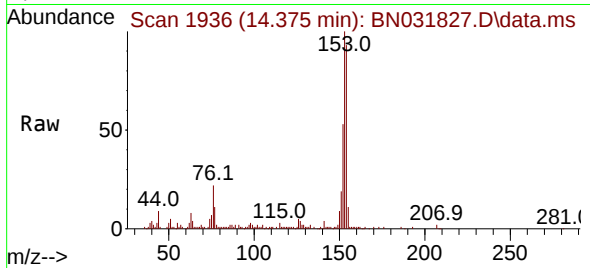
Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	13.4	10.4	15.6





#52
Acenaphthene
Concen: 1.220 ng/ul
RT: 14.375 min Scan# 1936
Delta R.T. -0.012 min
Lab File: BN031827.D
Acq: 06 Jun 2024 20:32

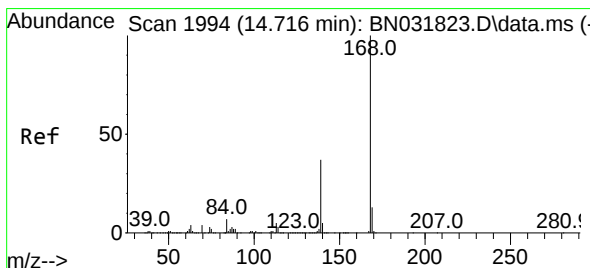
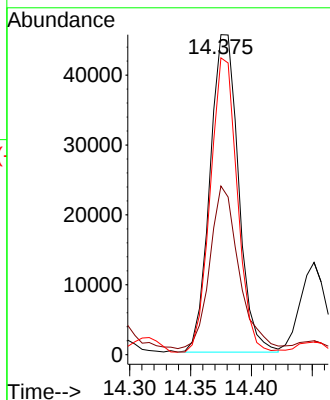
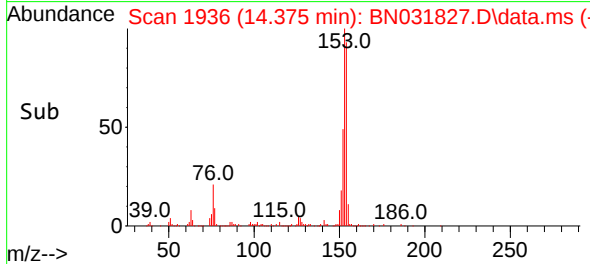
Instrument :
BNA_N
ClientSampleId :
BHBX5



Tgt Ion:153 Resp: 7414
Ion Ratio Lower Upper
153 100
152 52.7 37.8 56.6
154 92.8 69.8 104.8

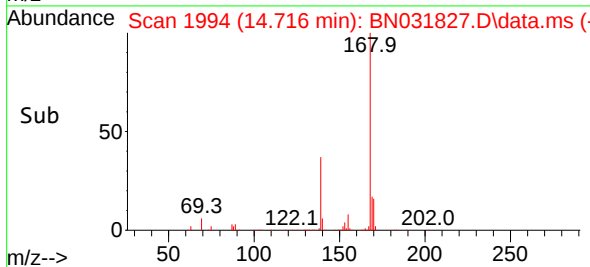
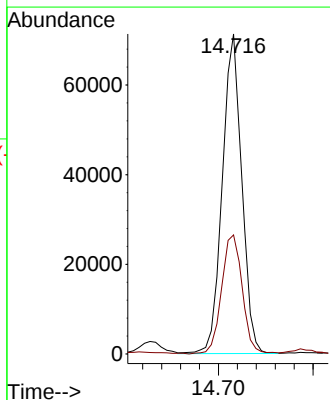
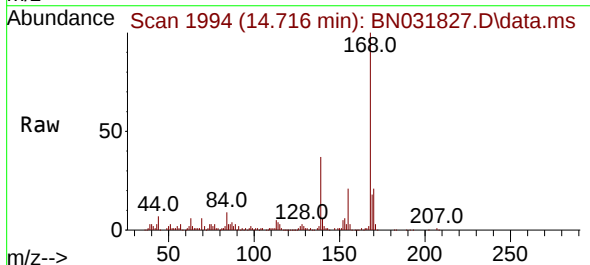
Manual Integrations
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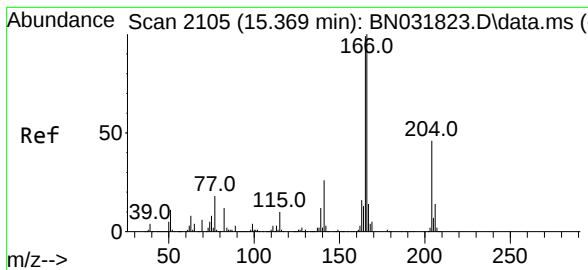
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024



#56
Dibenzofuran
Concen: 1.232 ng/ul
RT: 14.716 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BN031827.D
Acq: 06 Jun 2024 20:32

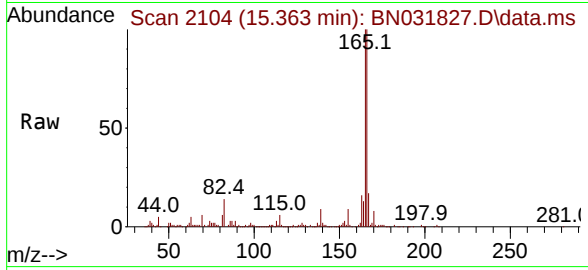
Tgt Ion:168 Resp: 101693
Ion Ratio Lower Upper
168 100
139 37.2 29.4 44.0





#61
Fluorene
Concen: 2.072 ng/ul
RT: 15.363 min Scan# 2105
Delta R.T. -0.012 min
Lab File: BN031827.D
Acq: 06 Jun 2024 20:32

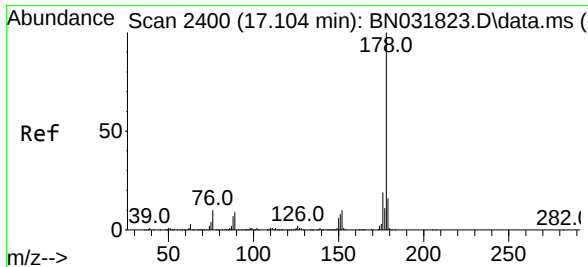
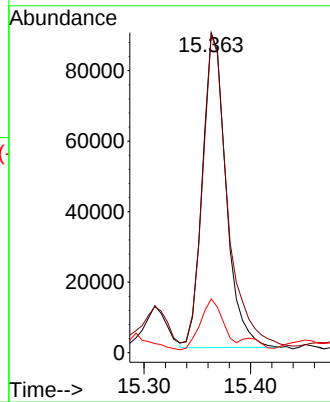
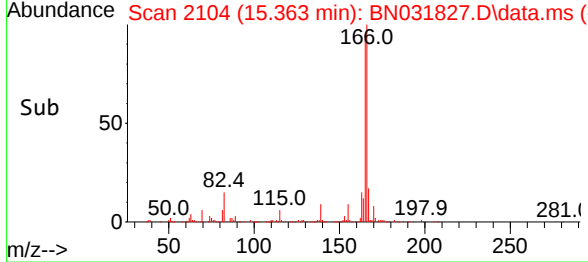
Instrument :
BNA_N
ClientSampleId :
BHBX5



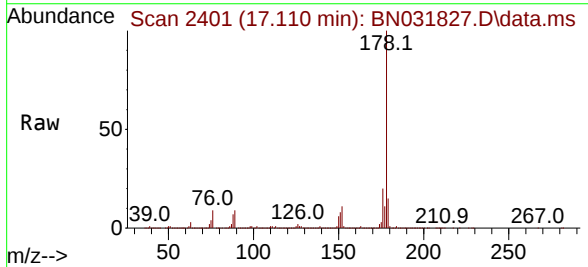
Tgt Ion:166 Resp: 13777
Ion Ratio Lower Upper
166 100
165 99.6 80.3 120.5
167 16.8 11.3 16.9

Manual Integrations
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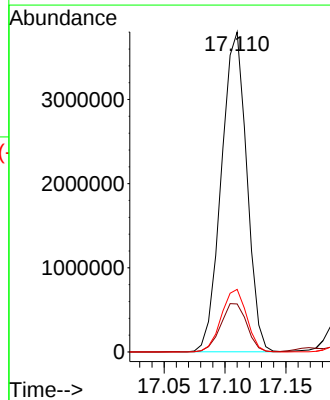
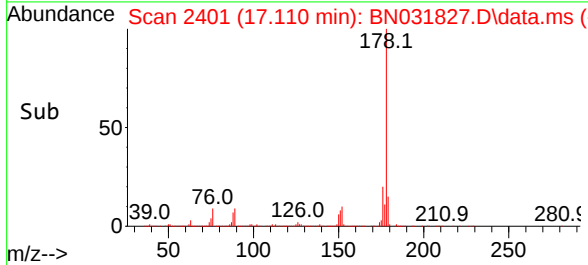
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024

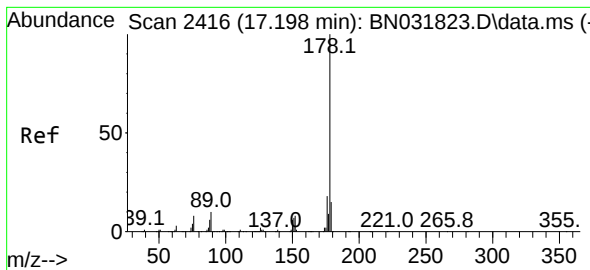


#72
Phenanthrene
Concen: 52.431 ng/ul
RT: 17.110 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BN031827.D
Acq: 06 Jun 2024 20:32



Tgt Ion:178 Resp: 5511352
Ion Ratio Lower Upper
178 100
179 15.0 12.6 19.0
176 19.6 15.8 23.6





#74

Anthracene

Concen: 7.597 ng/u1

RT: 17.198 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BN031827.D

Acq: 06 Jun 2024 20:32

Instrument :

BNA_N

ClientSampleId :

BHBX5

Tgt Ion:178 Resp: 80911

Ion Ratio Lower Upper

178 100

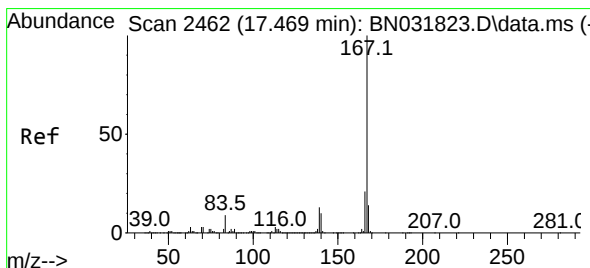
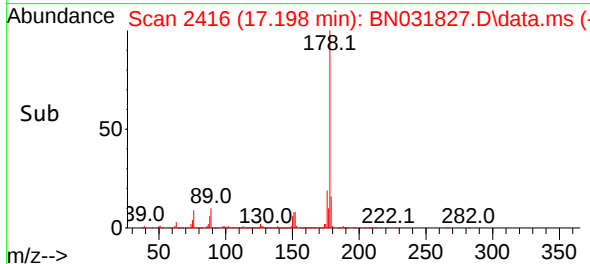
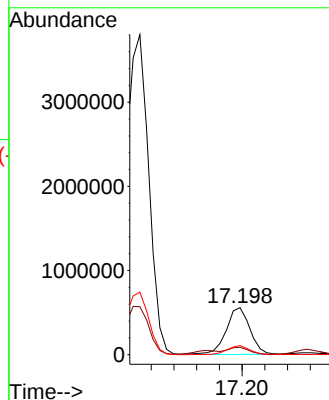
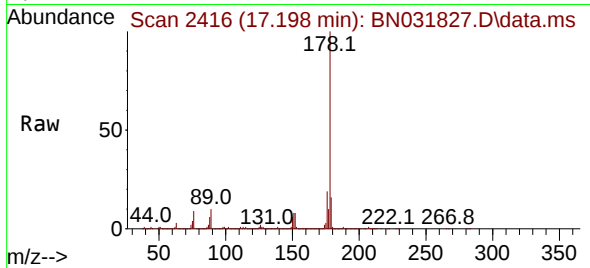
179 15.7 11.8 17.6

176 19.3 14.8 22.2

Manual Integrations

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Supervised By :mohammad ahmed 06/08/2024



#77

Carbazole

Concen: 8.650 ng/u1

RT: 17.469 min Scan# 2462

Delta R.T. -0.006 min

Lab File: BN031827.D

Acq: 06 Jun 2024 20:32

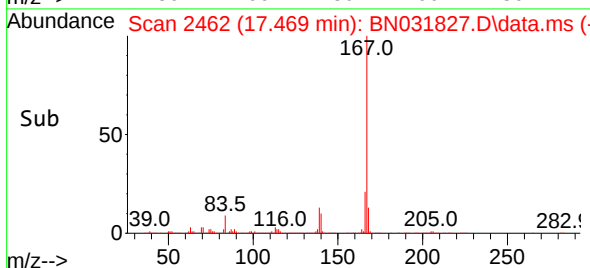
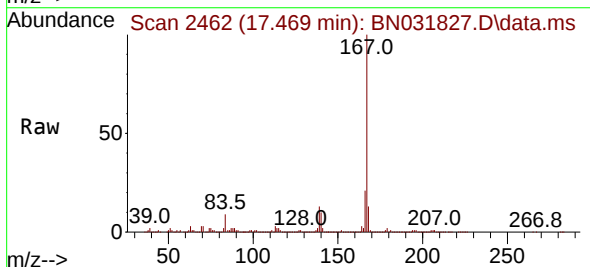
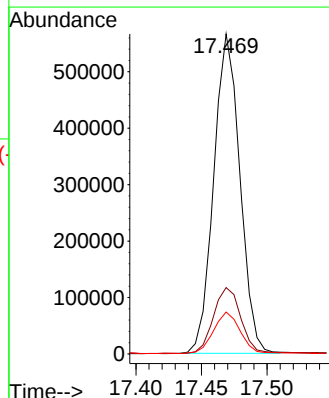
Tgt Ion:167 Resp: 785642

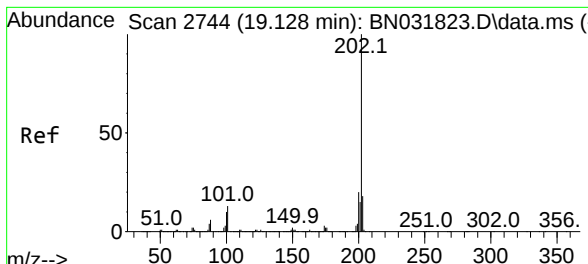
Ion Ratio Lower Upper

167 100

166 20.7 17.9 26.9

139 13.1 10.5 15.7





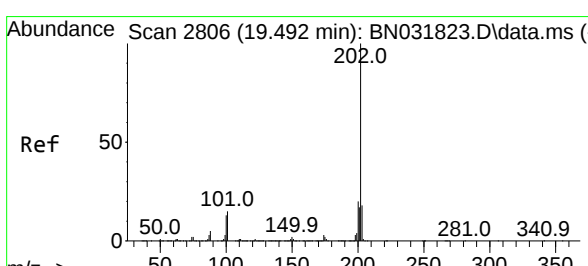
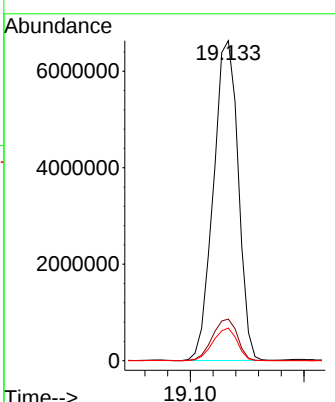
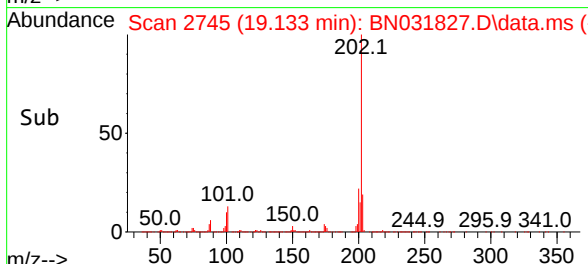
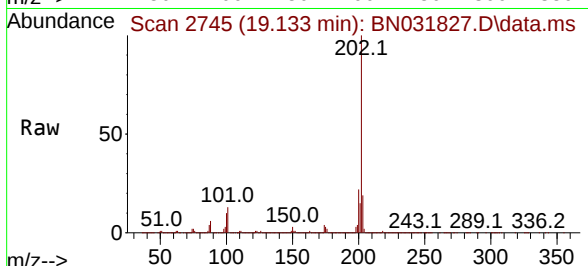
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 Fluoranthene
 Concen: 126.582 ng/u1
 RT: 19.133 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BN031827.D
 Acq: 06 Jun 2024 20:32

Instrument : BNA_N
 ClientSampleId : BHBX5

Tgt Ion:202 Resp:1005560

Ion	Ratio	Lower	Upper
202	100		
101	13.0	10.3	15.5
100	10.2	8.0	12.0

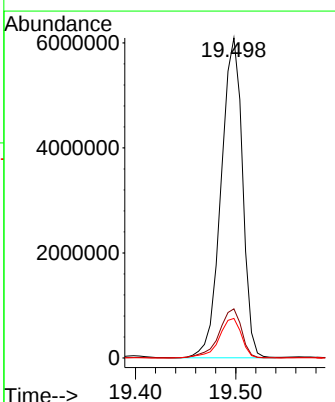
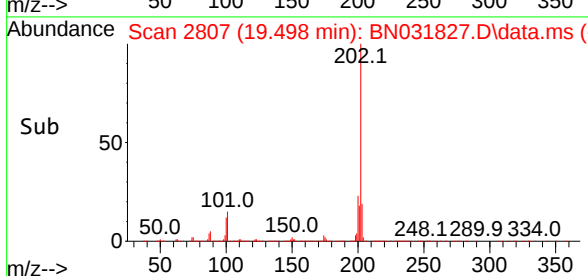
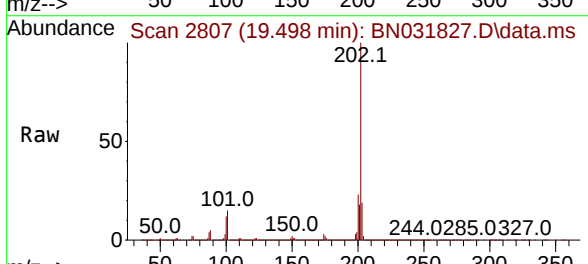
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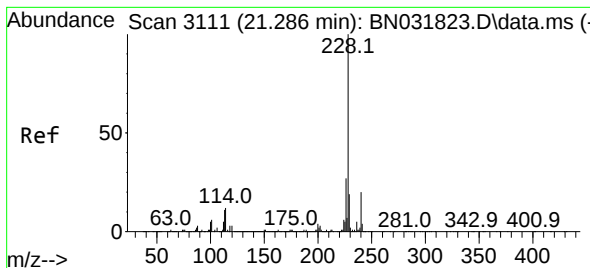


#82
 Pyrene
 Concen: 110.800 ng/u1
 RT: 19.498 min Scan# 2807
 Delta R.T. 0.006 min
 Lab File: BN031827.D
 Acq: 06 Jun 2024 20:32

Tgt Ion:202 Resp: 9030753

Ion	Ratio	Lower	Upper
202	100		
101	15.4	12.6	18.8
100	12.3	10.2	15.2





#85

Benzo(a)anthracene

Concen: 48.264 ng/ul

RT: 21.286 min Scan# 3111

Delta R.T. -0.000 min

Lab File: BN031827.D

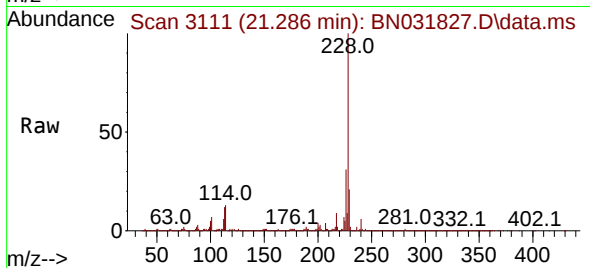
Acq: 06 Jun 2024 20:32

Instrument :

BNA_N

ClientSampleId :

BHBX5



Tgt Ion:228 Resp: 401287

Ion Ratio Lower Upper

228 100

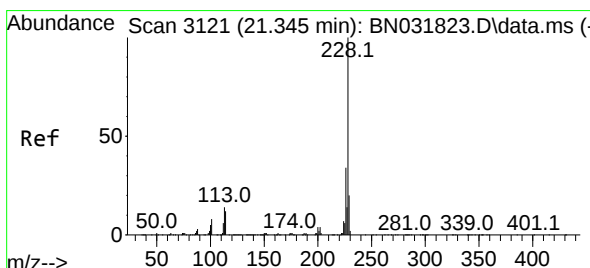
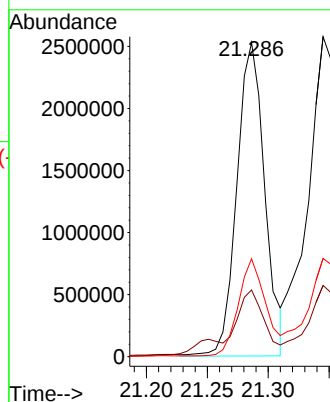
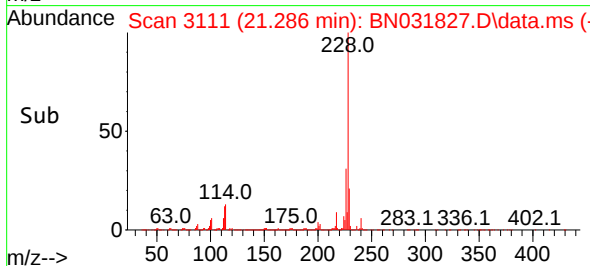
229 21.2 16.7 25.1

226 31.2 22.8 34.2

Manual Integrations

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#87

Chrysene

Concen: 56.511 ng/ul

RT: 21.345 min Scan# 3121

Delta R.T. -0.006 min

Lab File: BN031827.D

Acq: 06 Jun 2024 20:32

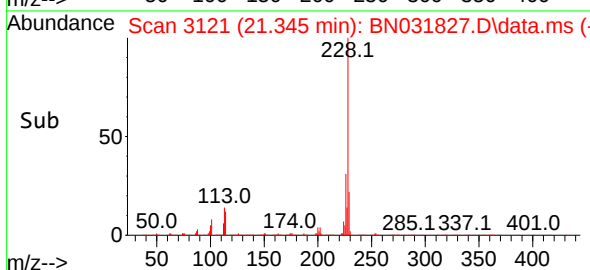
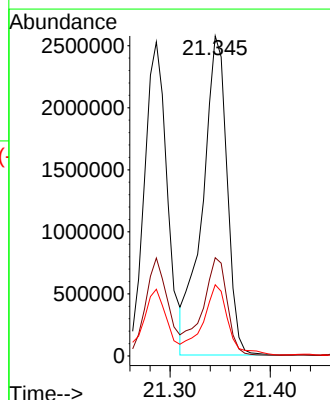
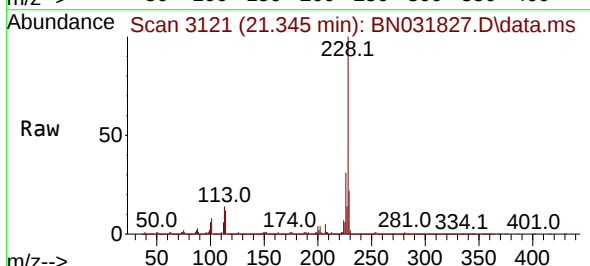
Tgt Ion:228 Resp: 4388753

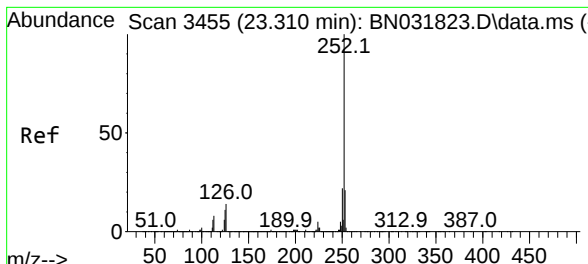
Ion Ratio Lower Upper

228 100

226 30.7 23.7 35.5

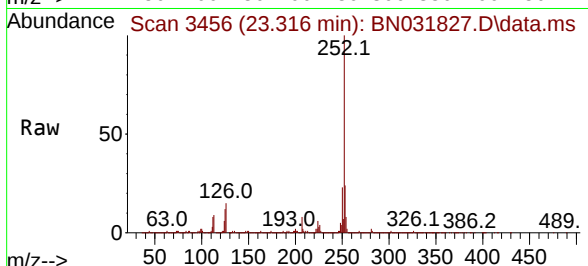
229 22.2 15.1 22.7





#90
Benzo(b)fluoranthene
Concen: 62.756 ng/ul
RT: 23.316 min Scan# 3455
Delta R.T. 0.006 min
Lab File: BN031827.D
Acq: 06 Jun 2024 20:32

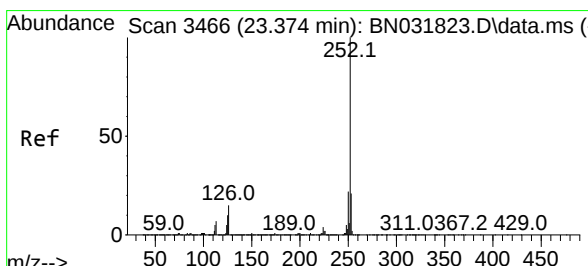
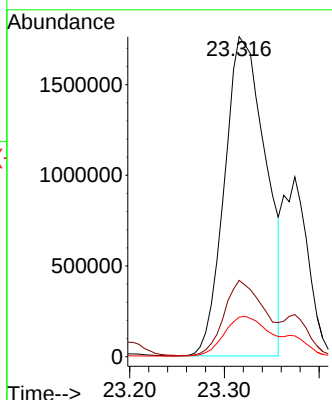
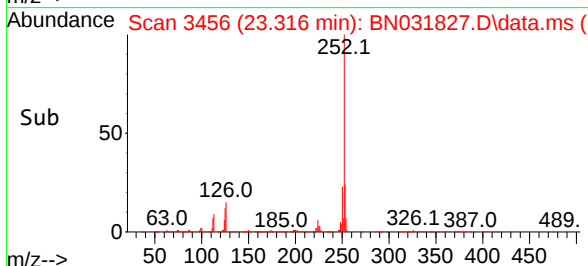
Instrument :
BNA_N
ClientSampleId :
BHBX5



Tgt Ion:252 Resp: 5335050
Ion Ratio Lower Upper
252 100
253 23.9 17.0 25.6
125 12.4 9.2 13.8

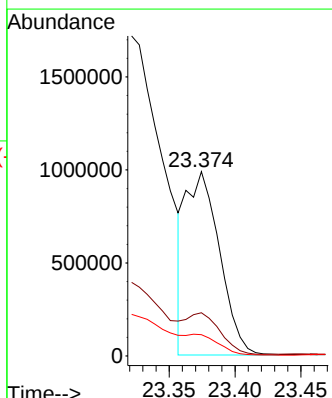
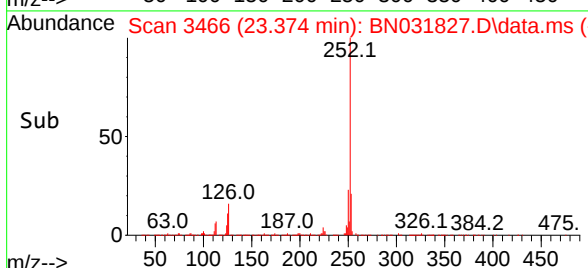
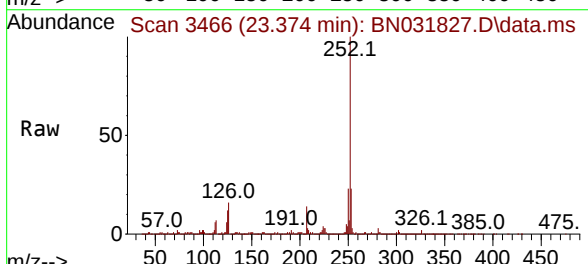
Manual Integrations
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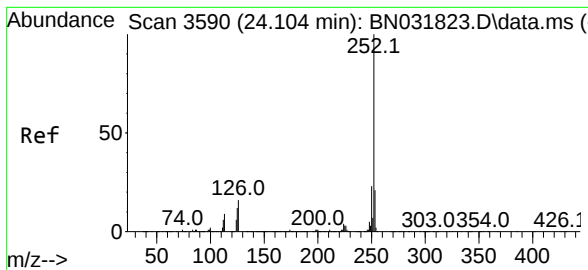
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024



#91
Benzo(k)fluoranthene
Concen: 21.165 ng/ul m
RT: 23.374 min Scan# 3466
Delta R.T. -0.000 min
Lab File: BN031827.D
Acq: 06 Jun 2024 20:32

Tgt Ion:252 Resp: 1765588
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 11.6 9.4 14.2





#93
 Benzo(a)pyrene
 Concen: 46.323 ng/u1
 RT: 24.110 min Scan# 3590
 Delta R.T. 0.006 min
 Lab File: BN031827.D
 Acq: 06 Jun 2024 20:32

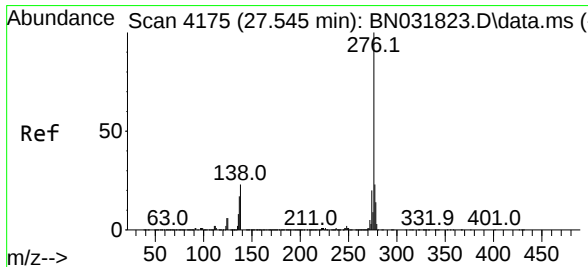
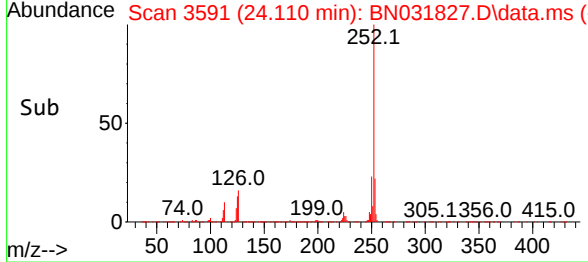
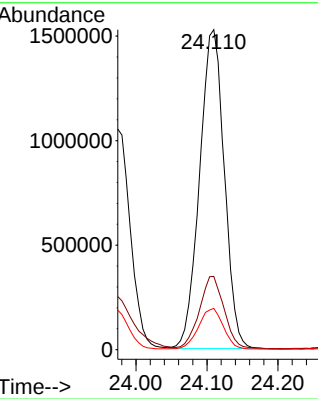
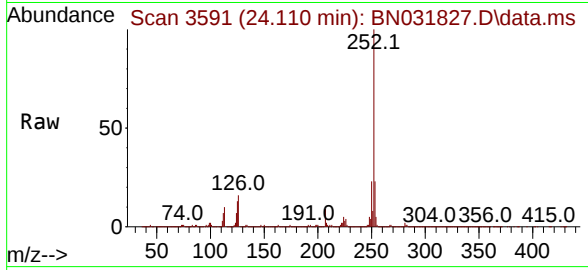
Instrument :
 BNA_N
 ClientSampleId :
 BHBX5

Tgt Ion:252 Resp: 368835

Ion	Ratio	Lower	Upper
252	100		
253	22.9	16.6	24.8
125	12.9	9.8	14.8

Manual Integrations
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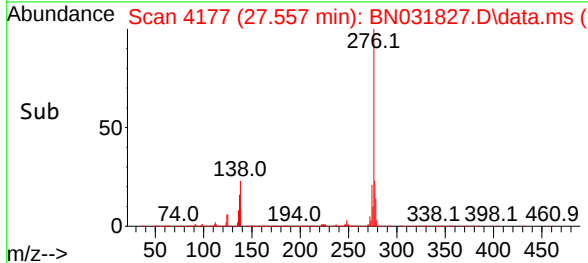
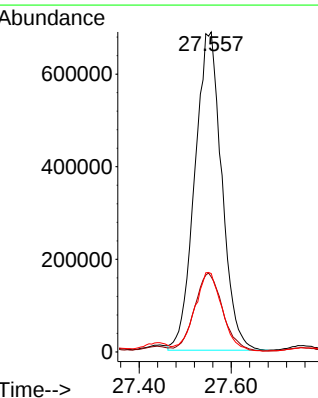
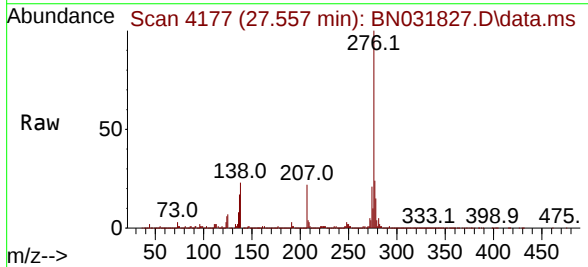
Reviewed By :Jagrut Upadhyay 06/07/2024
 Supervised By :mohammad ahmed 06/08/2024

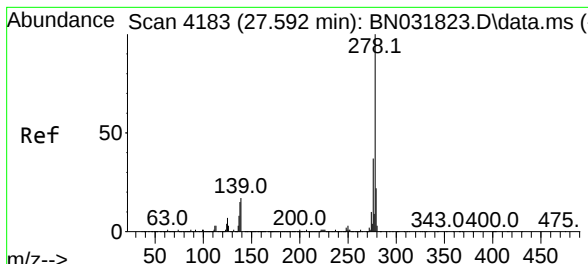


#94
 Indeno(1,2,3-cd)pyrene
 Concen: 30.417 ng/u1
 RT: 27.557 min Scan# 4177
 Delta R.T. 0.023 min
 Lab File: BN031827.D
 Acq: 06 Jun 2024 20:32

Tgt Ion:276 Resp: 2790768

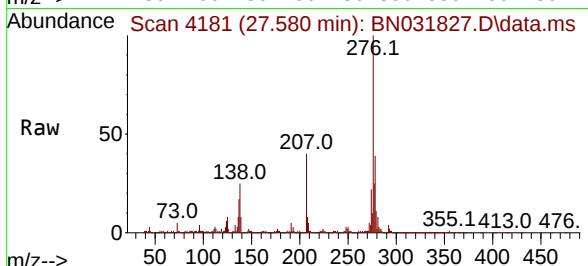
Ion	Ratio	Lower	Upper
276	100		
138	23.5	18.1	27.1
277	24.5	18.2	27.2





#95
 Dibenzo(a,h)anthracene
 Concen: 9.502 ng/ul
 RT: 27.580 min Scan# 4181
 Delta R.T. -0.024 min
 Lab File: BN031827.D
 Acq: 06 Jun 2024 20:32

Instrument : BNA_N
 ClientSampleId : BHBX5

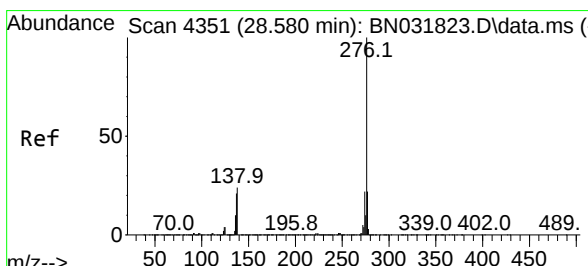
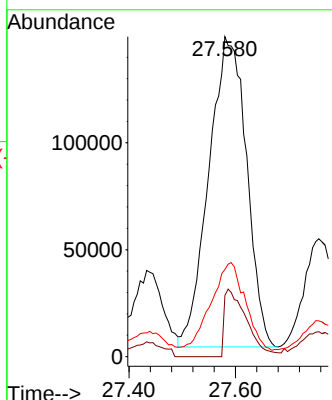
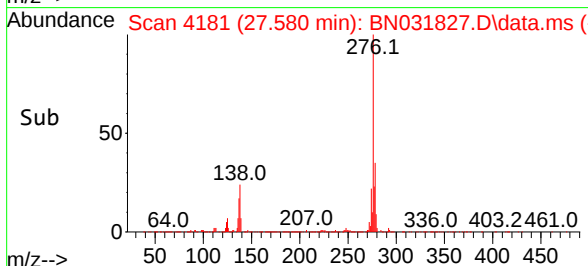


Tgt Ion: 278 Resp: 711770

Ion	Ratio	Lower	Upper
278	100		
139	19.2	15.0	22.6
279	27.2	17.4	26.0

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/07/2024
 Supervised By :mohammad ahmed 06/08/2024



#96
 Benzo(g,h,i)perylene
 Concen: 37.615 ng/ul
 RT: 28.592 min Scan# 4353
 Delta R.T. 0.023 min
 Lab File: BN031827.D
 Acq: 06 Jun 2024 20:32

Tgt Ion: 276 Resp: 2743476

Ion	Ratio	Lower	Upper
276	100		
138	24.5	20.9	31.3
277	22.7	18.0	27.0

