

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN053124\
 Data File : BN031738.D
 Acq On : 31 May 2024 12:22
 Operator : MA/JU
 Sample : P2549-23
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHBNI

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024
 Supervised By :mohammad ahmed 06/04/2024

Quant Time: May 31 13:11:49 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	7.681	152	594213	20.000	ng/ul	0.00
20) Naphthalene-d8	10.463	136	2548554	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.322	164	1495633	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.075	188	2574867	20.000	ng/ul	0.00
79) Chrysene-d12	21.316	240	1352465	20.000	ng/ul	0.01
88) Perylene-d12	24.257	264	1675807	20.000	ng/ul	# 0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	44915	3.127	ng/uL	0.00
4) Pyridine-d5	3.593	84	575866	14.243	ng/ul	0.00
7) Phenol-d5	6.852	99	1087075	21.340	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.022	67	614524	20.624	ng/ul	0.00
11) 2-Chlorophenol-d4	7.216	132	862845	22.199	ng/ul	0.00
15) 4-Methylphenol-d8	8.381	113	824194	19.848	ng/ul	0.00
21) Nitrobenzene-d5	8.834	128	437539	22.454	ng/ul	0.00
24) 2-Nitrophenol-d4	9.552	143	467382	23.219	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.081	165	831674	22.132	ng/ul	0.00
31) 4-Chloroaniline-d4	10.604	131	481841	8.636	ng/ul	0.00
46) Dimethylphthalate-d6	13.740	166	2374793	22.792	ng/ul	0.00
49) Acenaphthylene-d8	14.016	160	2834389	23.658	ng/ul	0.00
54) 4-Nitrophenol-d4	14.534	143	277175	13.286	ng/ul	0.00
60) Fluorene-d10	15.316	176	1990193	22.574	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.445	200	106535	8.231	ng/ul	0.00
73) Anthracene-d10	17.169	188	2610607	23.682	ng/ul	0.00
81) Pyrene-d10	19.469	212	2140258	29.572	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.063	264	1889615	23.614	ng/ul	0.02
Target Compounds					Qvalue	
6) Benzaldehyde	6.834	77	69058	2.890	ng/ul	93
30) Naphthalene	10.516	128	1095521	8.306	ng/ul	100
36) 2-Methylnaphthalene	12.134	142	477154	5.293	ng/ul	99
37) 1-Methylnaphthalene	12.351	142	371750	4.110	ng/ul	93
43) 1,1'-Biphenyl	13.151	154	166887	1.586	ng/ul	96
50) Acenaphthylene	14.045	152	1777590	13.128	ng/ul	99
52) Acenaphthene	14.387	153	790233	8.821	ng/ul	99
56) Dibenzofuran	14.722	168	1285390	10.560	ng/ul	95
61) Fluorene	15.375	166	1246717	12.719	ng/ul	98
72) Phenanthrene	17.122	178	15010047	114.435	ng/ul	97
74) Anthracene	17.204	178	3915093	29.457	ng/ul	99
77) Carbazole	17.475	167	2022530	17.846	ng/ul	98
78) Di-n-butylphthalate	18.045	149	183384	1.176	ng/ul#	95
80) Fluoranthene	19.139	202	16298875	188.441	ng/ul	98
82) Pyrene	19.504	202	15114779	170.323	ng/ul	99
85) Benzo(a)anthracene	21.298	228	8785995	97.054	ng/ul	96
87) Chrysene	21.357	228	9049154m	107.017	ng/ul	
90) Benzo(b)fluoranthene	23.345	252	11636378	116.170	ng/ul	98
91) Benzo(k)fluoranthene	23.398	252	4518826m	45.974	ng/ul	
93) Benzo(a)pyrene	24.133	252	8377073	89.293	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.586	276	6123684m	56.645	ng/ul	
95) Dibenzo(a,h)anthracene	27.627	278	1695213	19.207	ng/ul#	93
96) Benzo(g,h,i)perylene	28.633	276	5530114	64.351	ng/ul	98

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Quant Title : SVOA CALIBRATION
QLast Update : Wed May 29 15:13:07 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

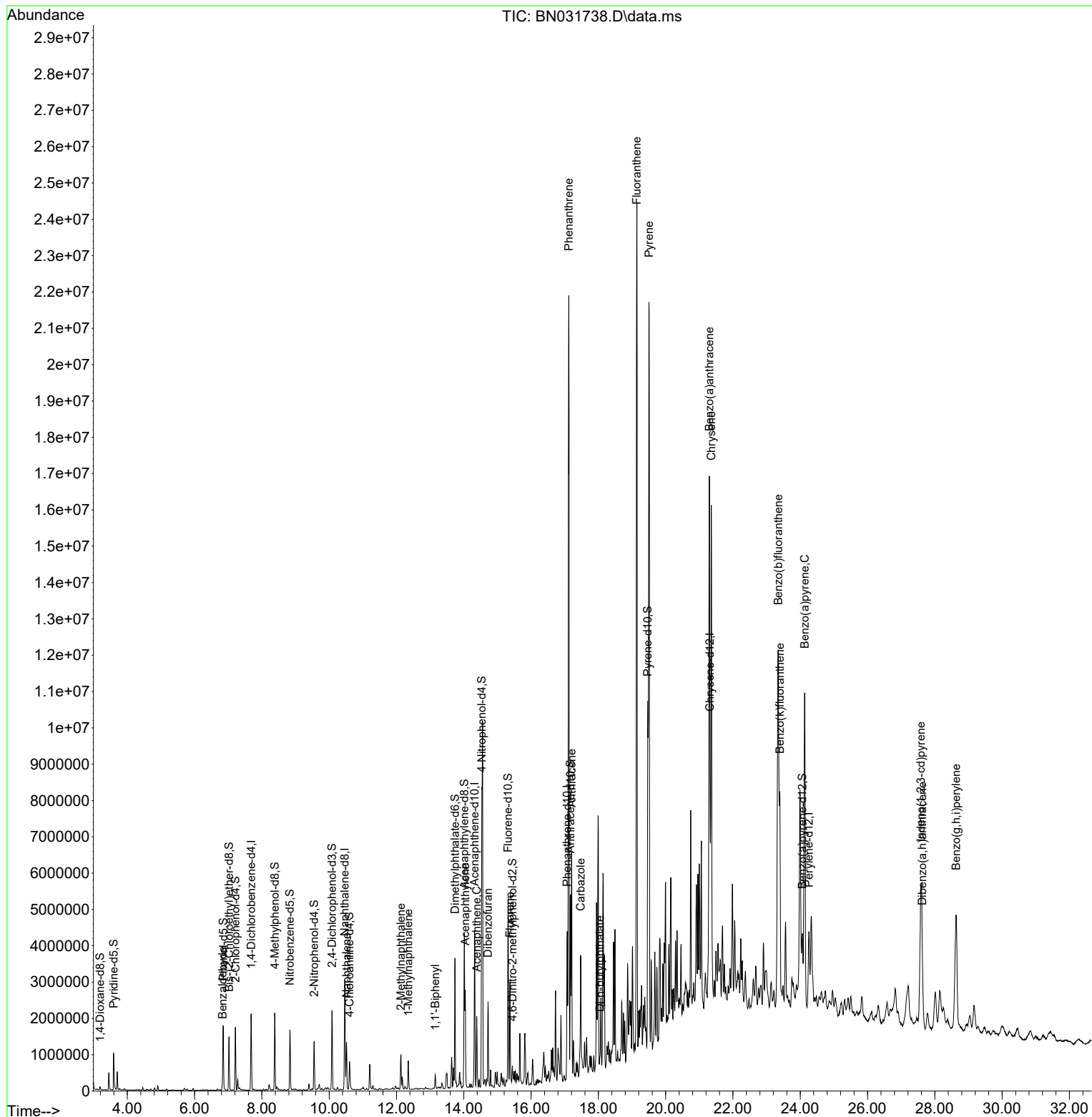
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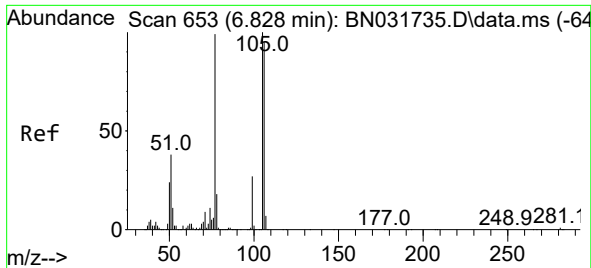
Instrument :
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Manual Integrations APPROVED

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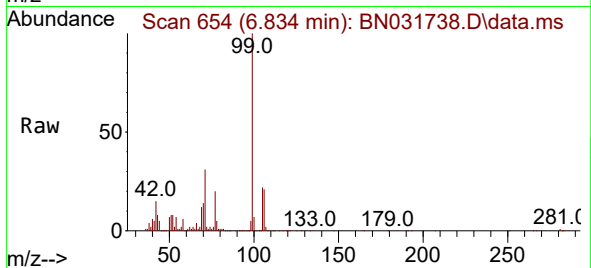
Quant Time: May 31 13:11:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
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#6
Benzaldehyde
Concen: 2.890 ng/ul
RT: 6.834 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN031738.D
Acq: 31 May 2024 12:22

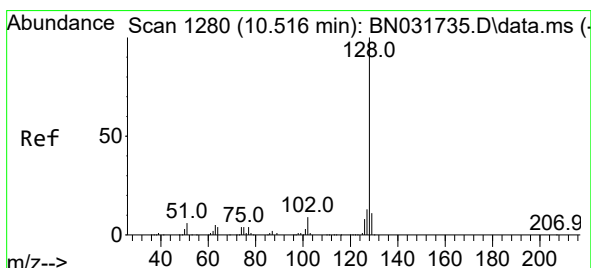
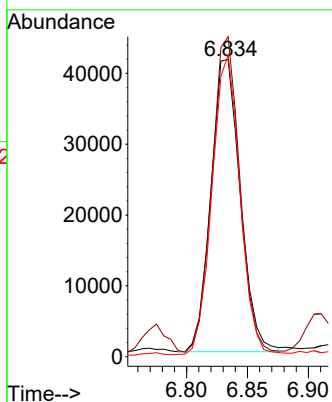
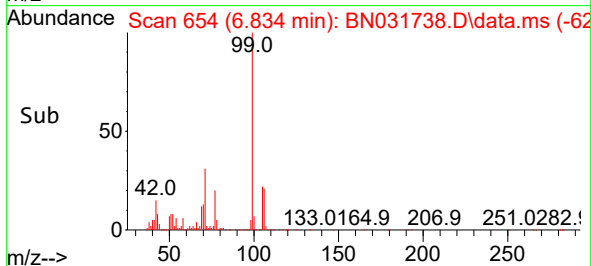
Instrument :
BNA_N
ClientSampleId :
BHBN1



Tgt Ion: 77 Resp: 69058
Ion Ratio Lower Upper
77 100
105 107.7 80.2 120.4
106 101.6 76.8 115.2

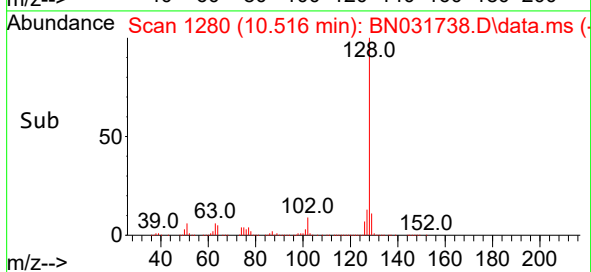
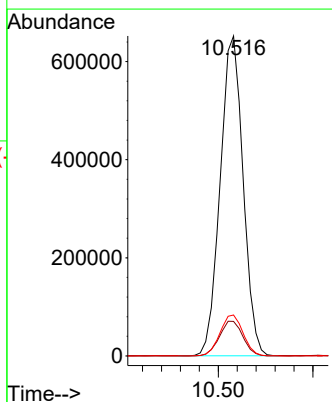
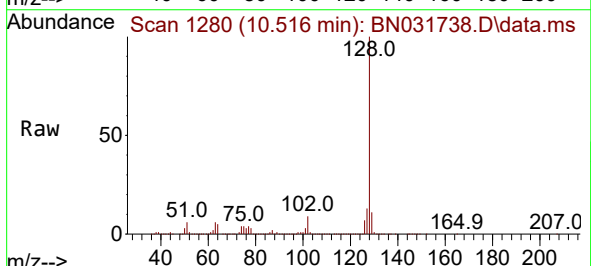
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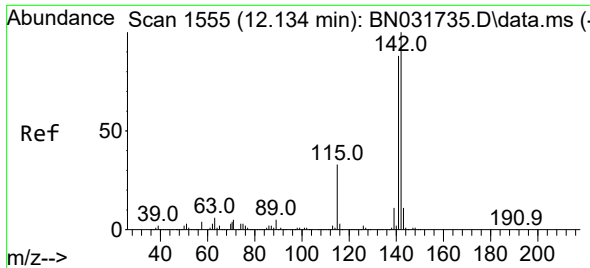
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#30
Naphthalene
Concen: 8.306 ng/ul
RT: 10.516 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BN031738.D
Acq: 31 May 2024 12:22

Tgt Ion:128 Resp: 1095521
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 12.8 10.3 15.5





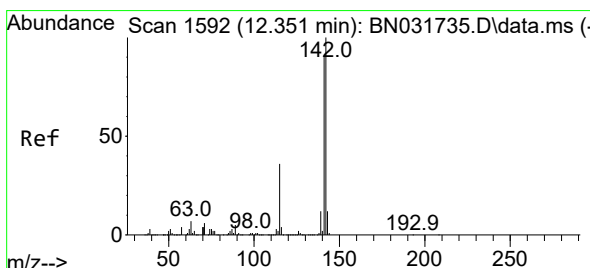
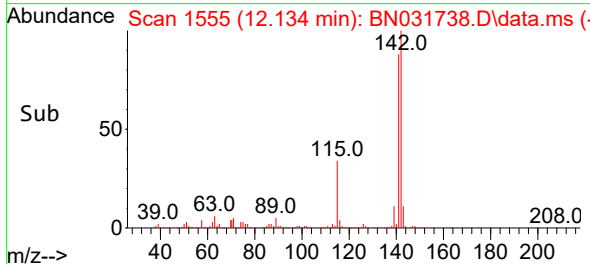
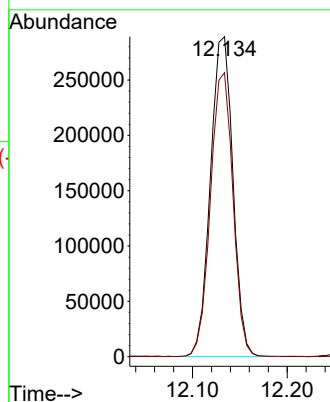
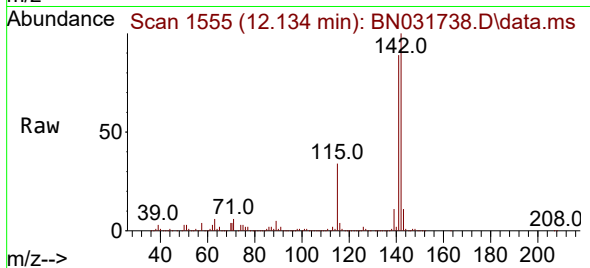
#36
2-Methylnaphthalene
Concen: 5.293 ng/ul
RT: 12.134 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BN031738.D
Acq: 31 May 2024 12:22

Instrument :
BNA_N
ClientSampleId :
BHBN1

Tgt Ion:142 Resp: 477154
Ion Ratio Lower Upper
142 100
141 88.7 70.1 105.1

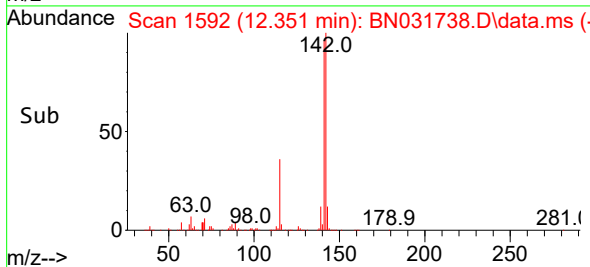
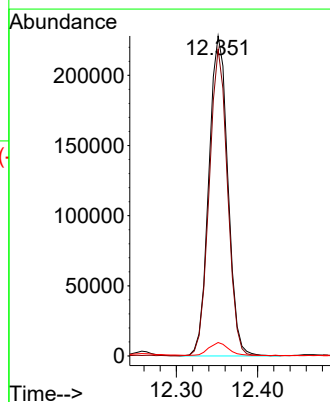
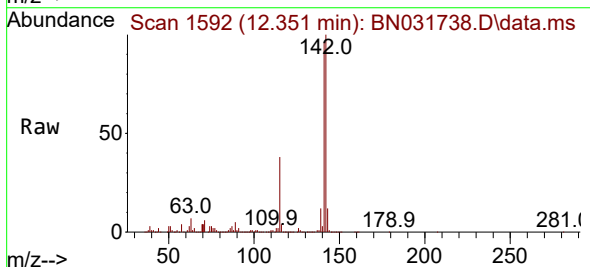
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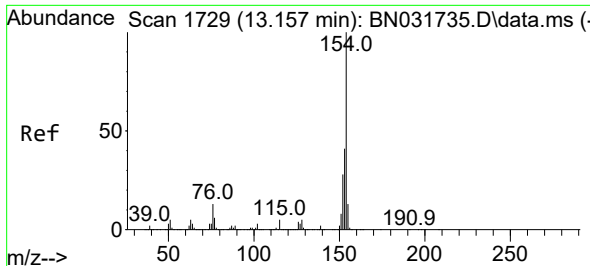
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#37
1-Methylnaphthalene
Concen: 4.110 ng/ul
RT: 12.351 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BN031738.D
Acq: 31 May 2024 12:22

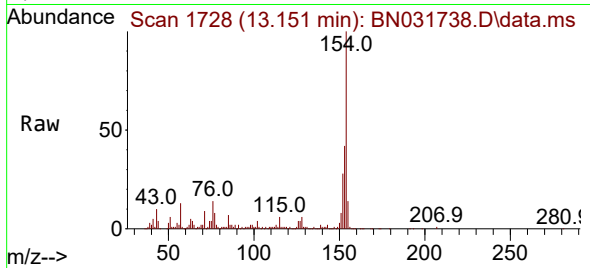
Tgt Ion:142 Resp: 371750
Ion Ratio Lower Upper
142 100
141 95.9 71.7 107.5
116 4.2 3.0 4.4





#43
1,1'-Biphenyl
Concen: 1.586 ng/ul
RT: 13.151 min Scan# 1728
Delta R.T. -0.006 min
Lab File: BN031738.D
Acq: 31 May 2024 12:22

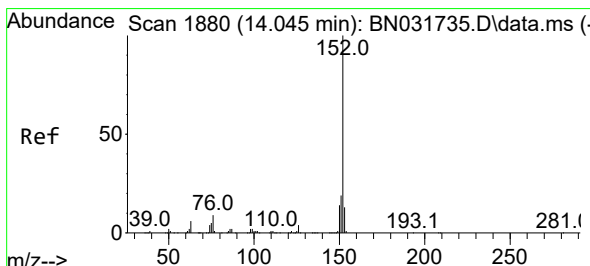
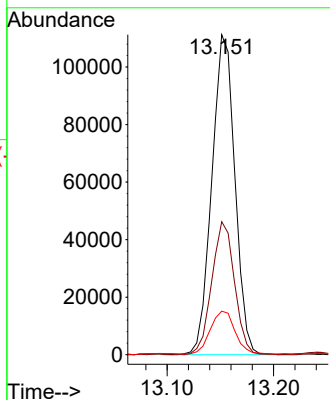
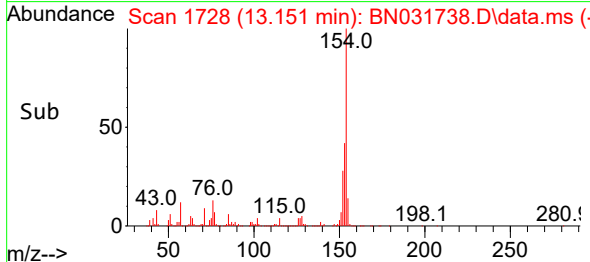
Instrument :
BNA_N
ClientSampleId :
BHBN1



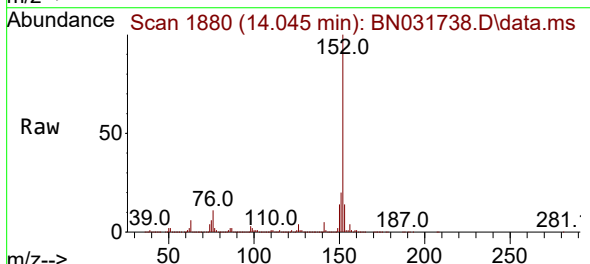
Tgt Ion:154 Resp: 16688
Ion Ratio Lower Upper
154 100
153 41.6 30.6 46.0
76 13.6 11.1 16.7

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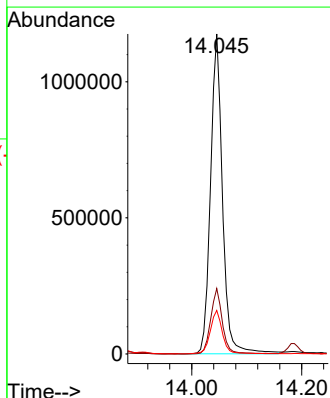
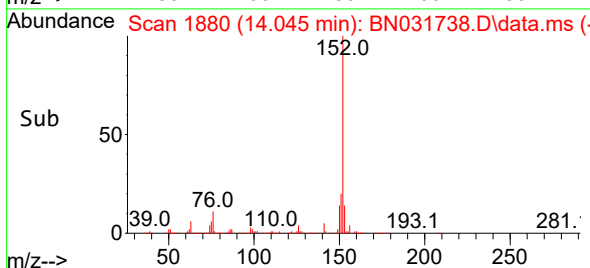
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024

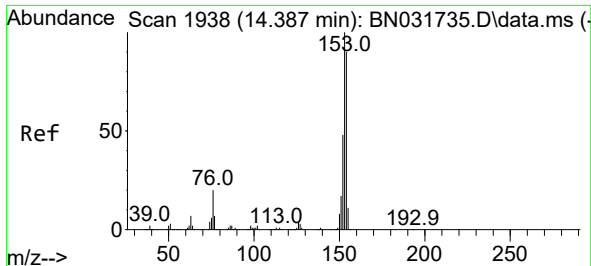


#50
Acenaphthylene
Concen: 13.128 ng/ul
RT: 14.045 min Scan# 1880
Delta R.T. -0.000 min
Lab File: BN031738.D
Acq: 31 May 2024 12:22



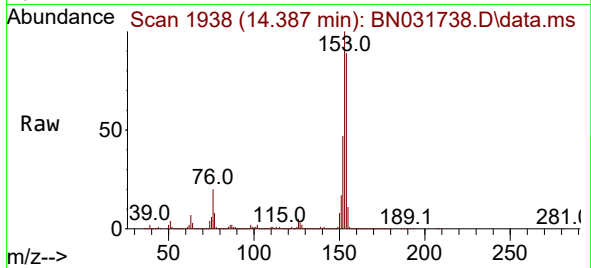
Tgt Ion:152 Resp: 1777590
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 13.6 10.4 15.6





#52
Acenaphthene
Concen: 8.821 ng/ul
RT: 14.387 min Scan# 1938
Delta R.T. -0.000 min
Lab File: BN031738.D
Acq: 31 May 2024 12:22

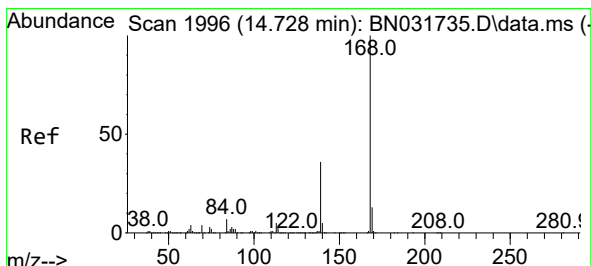
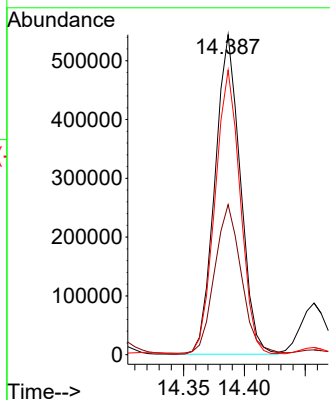
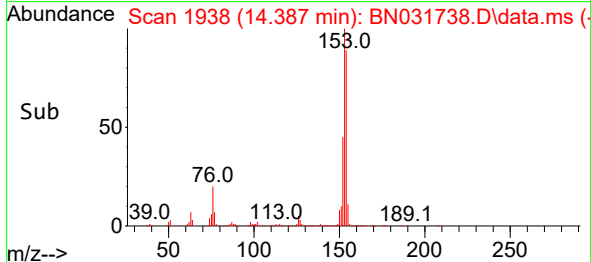
Instrument :
BNA_N
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BHBN1



Tgt Ion:153 Resp: 790233
Ion Ratio Lower Upper
153 100
152 46.9 37.8 56.6
154 88.9 69.8 104.8

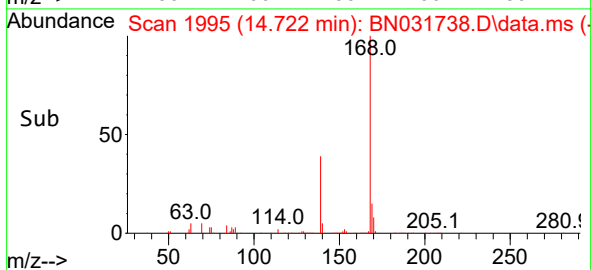
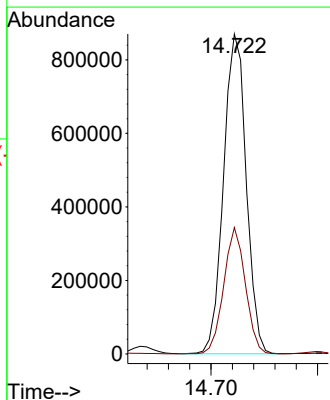
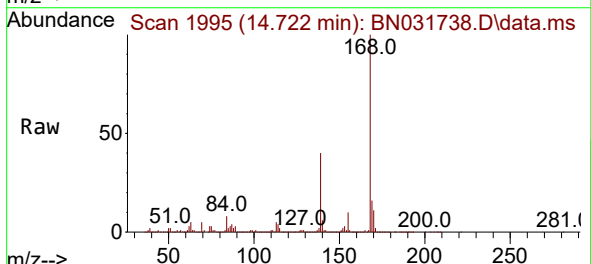
Manual Integrations
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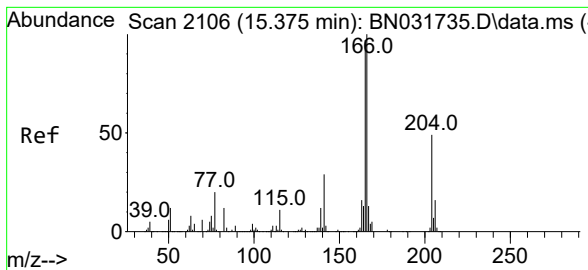
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#56
Dibenzofuran
Concen: 10.560 ng/ul
RT: 14.722 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BN031738.D
Acq: 31 May 2024 12:22

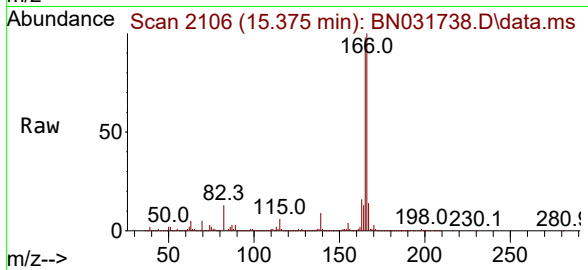
Tgt Ion:168 Resp: 1285390
Ion Ratio Lower Upper
168 100
139 39.5 29.4 44.0





#61
 Fluorene
 Concen: 12.719 ng/ul
 RT: 15.375 min Scan# 2106
 Delta R.T. -0.000 min
 Lab File: BN031738.D
 Acq: 31 May 2024 12:22

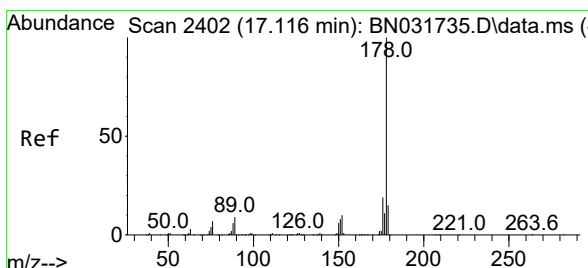
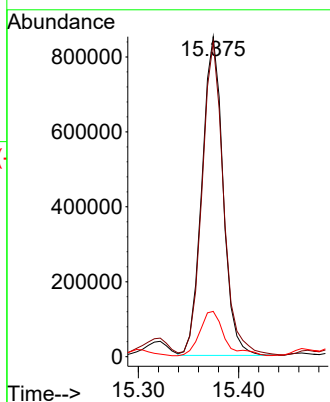
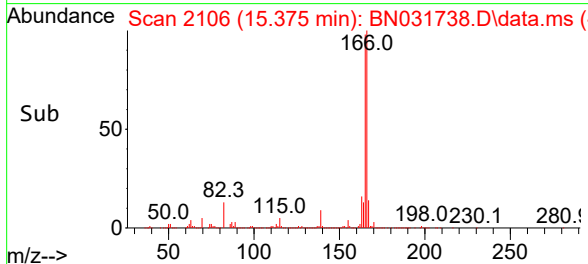
Instrument :
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Tgt Ion:166 Resp: 124671
 Ion Ratio Lower Upper
 166 100
 165 98.3 80.3 120.5
 167 14.1 11.3 16.9

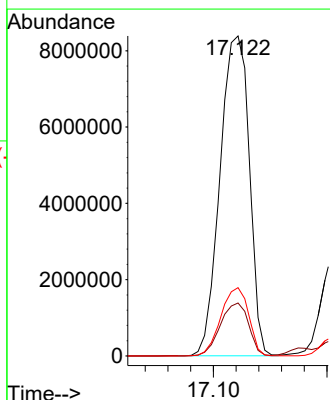
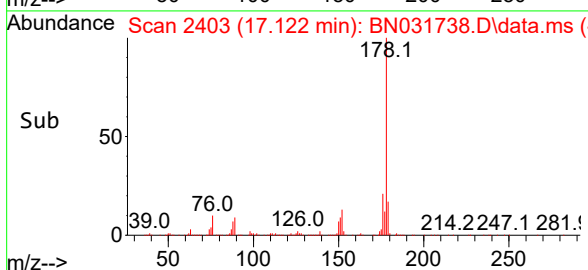
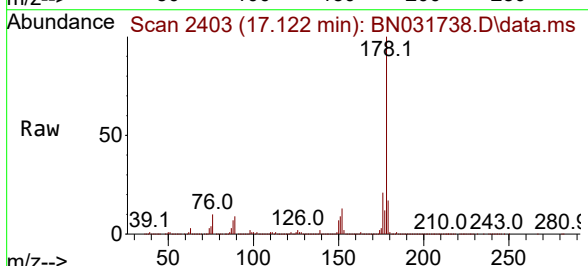
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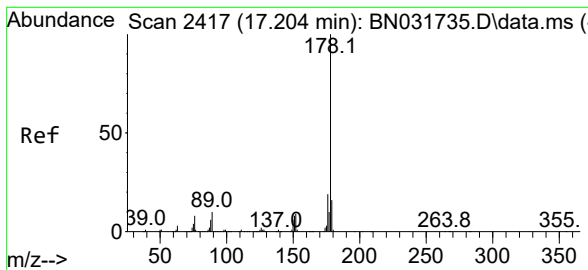
Reviewed By :Jagrut Upadhyay 06/03/2024
 Supervised By :mohammad ahmed 06/04/2024



#72
 Phenanthrene
 Concen: 114.435 ng/ul
 RT: 17.122 min Scan# 2403
 Delta R.T. 0.006 min
 Lab File: BN031738.D
 Acq: 31 May 2024 12:22

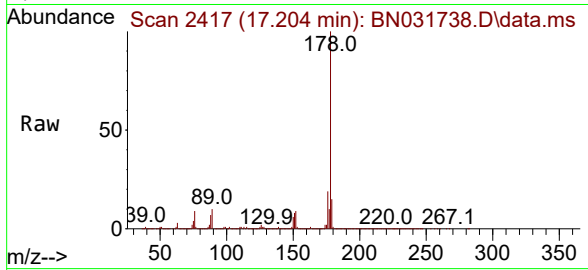
Tgt Ion:178 Resp:15010047
 Ion Ratio Lower Upper
 178 100
 179 16.6 12.6 19.0
 176 21.4 15.8 23.6





#74
 Anthracene
 Concen: 29.457 ng/ul
 RT: 17.204 min Scan# 2417
 Delta R.T. -0.000 min
 Lab File: BN031738.D
 Acq: 31 May 2024 12:22

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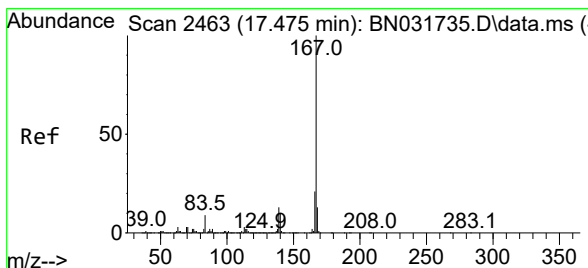
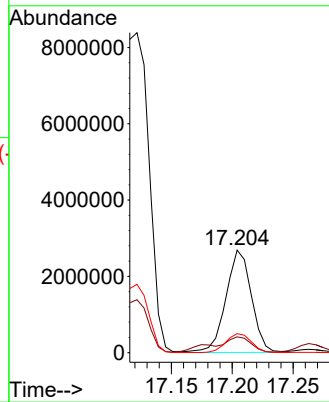
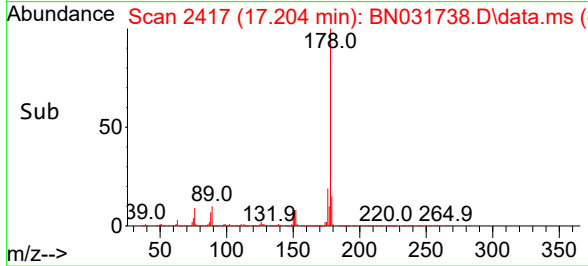


Tgt Ion:178 Resp: 391509

Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.8	17.6
176	18.5	14.8	22.2

Manual Integrations
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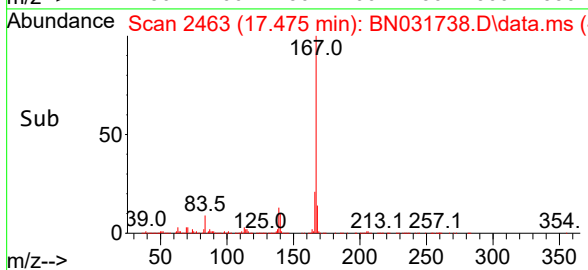
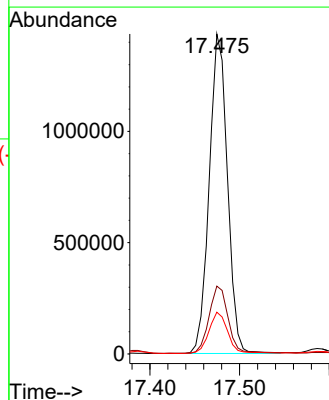
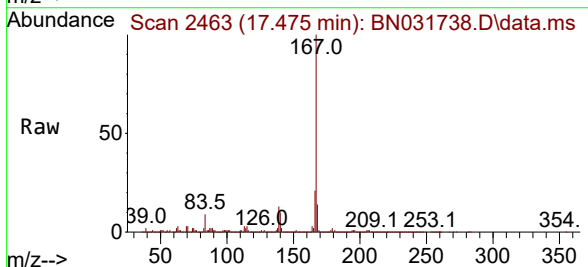
Reviewed By :Jagrut Upadhyay 06/03/2024
 Supervised By :mohammad ahmed 06/04/2024

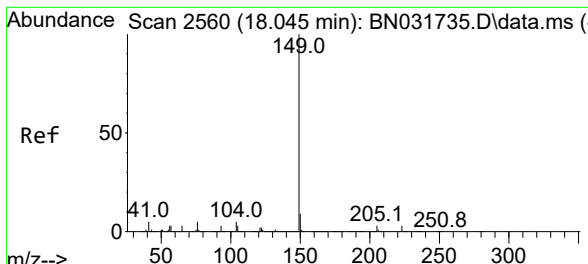


#77
 Carbazole
 Concen: 17.846 ng/ul
 RT: 17.475 min Scan# 2463
 Delta R.T. -0.000 min
 Lab File: BN031738.D
 Acq: 31 May 2024 12:22

Tgt Ion:167 Resp: 2022530

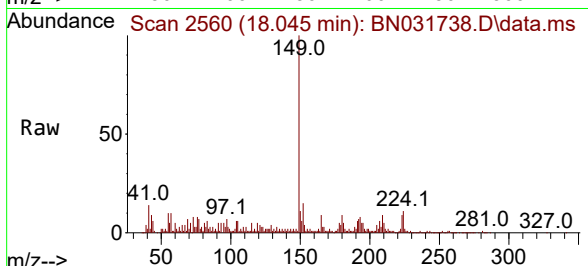
Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.9	26.9
139	13.0	10.5	15.7





#78
 Di-n-butylphthalate
 Concen: 1.176 ng/ul
 RT: 18.045 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BN031738.D
 Acq: 31 May 2024 12:22

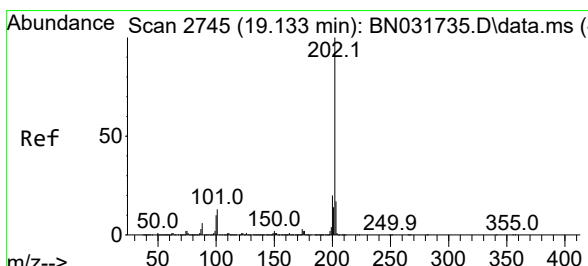
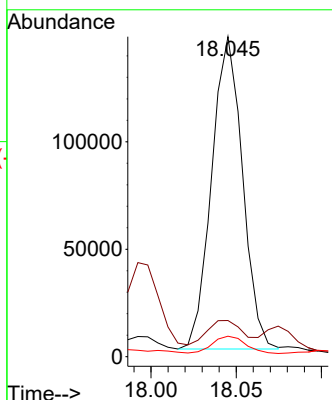
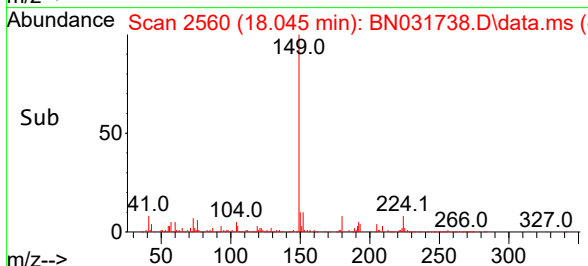
Instrument :
 BNA_N
 ClientSampleId :
 BHBN1



Tgt Ion:149 Resp: 183384
 Ion Ratio Lower Upper
 149 100
 150 11.3 7.4 11.0
 104 6.4 4.1 6.1

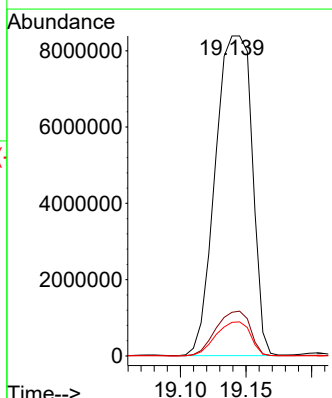
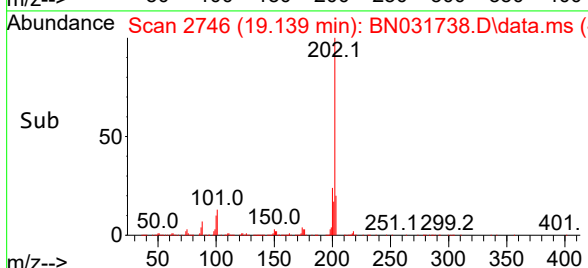
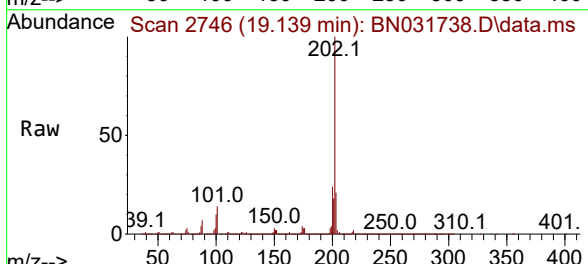
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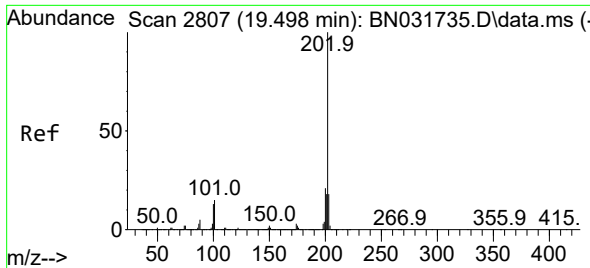
Reviewed By :Jagrut Upadhyay 06/03/2024
 Supervised By :mohammad ahmed 06/04/2024



#80
 Fluoranthene
 Concen: 188.441 ng/ul
 RT: 19.139 min Scan# 2746
 Delta R.T. 0.006 min
 Lab File: BN031738.D
 Acq: 31 May 2024 12:22

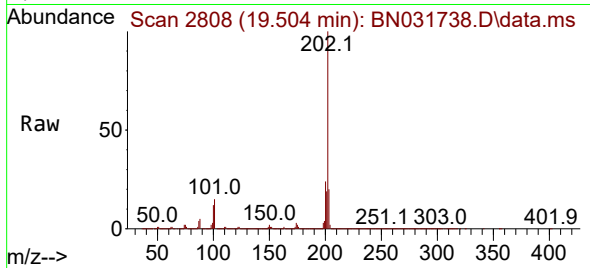
Tgt Ion:202 Resp:16298875
 Ion Ratio Lower Upper
 202 100
 101 13.7 10.3 15.5
 100 10.5 8.0 12.0





#82
Pyrene
Concen: 170.323 ng/ul
RT: 19.504 min Scan# 2113
Delta R.T. 0.012 min
Lab File: BN031738.D
Acq: 31 May 2024 12:22

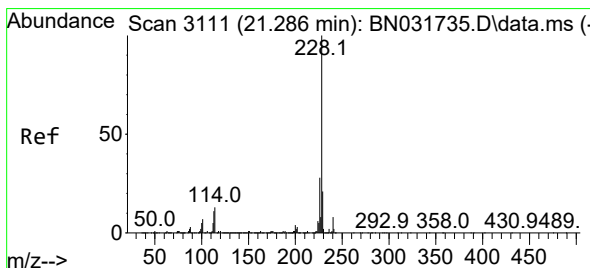
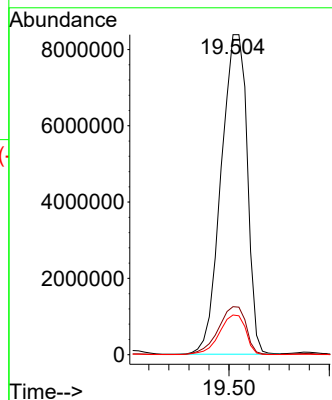
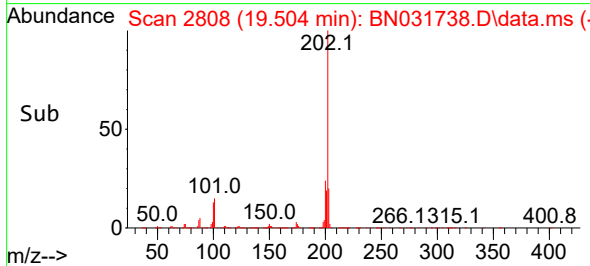
Instrument :
BNA_N
ClientSampleId :
BHBN1



Tgt Ion:202 Resp:15114779
Ion Ratio Lower Upper
202 100
101 15.0 12.6 18.8
100 12.4 10.2 15.2

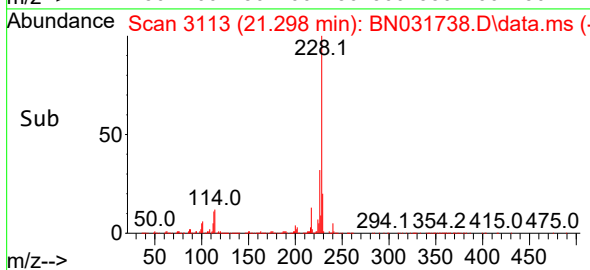
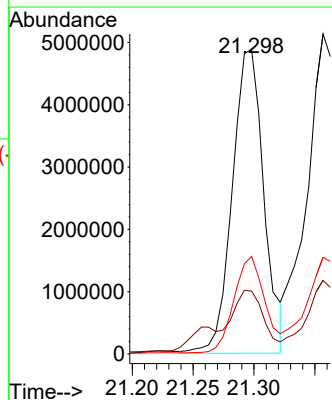
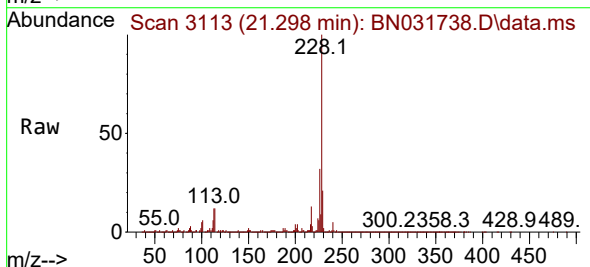
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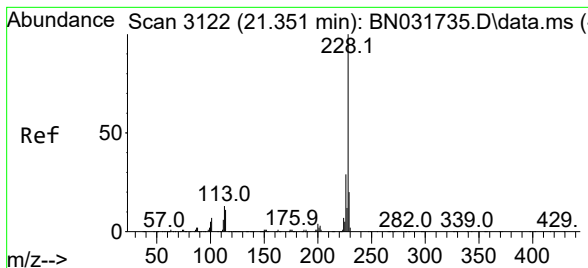
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#85
Benzo(a)anthracene
Concen: 97.054 ng/ul
RT: 21.298 min Scan# 3113
Delta R.T. 0.012 min
Lab File: BN031738.D
Acq: 31 May 2024 12:22

Tgt Ion:228 Resp: 8785995
Ion Ratio Lower Upper
228 100
229 20.6 16.7 25.1
226 32.0 22.8 34.2





#87

Chrysene

Concen: 107.017 ng/ul m

RT: 21.357 min Scan# 3122

Delta R.T. 0.006 min

Lab File: BN031738.D

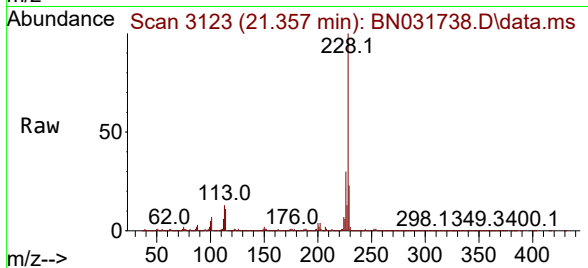
Acq: 31 May 2024 12:22

Instrument :

BNA_N

ClientSampleId :

BHBN1



Tgt Ion:228 Resp: 9049154

Ion Ratio Lower Upper

228 100

226 30.2 23.7 35.5

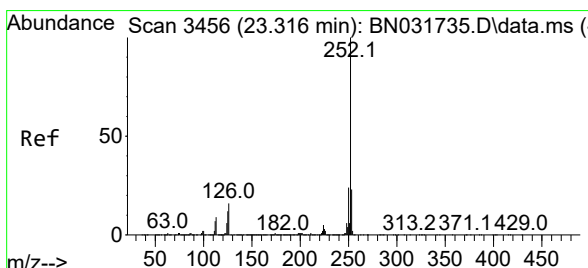
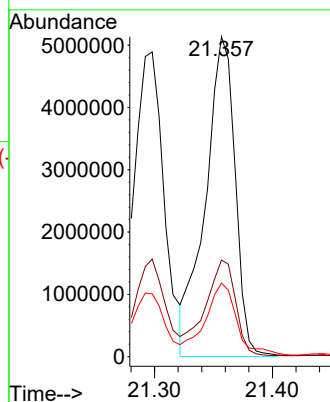
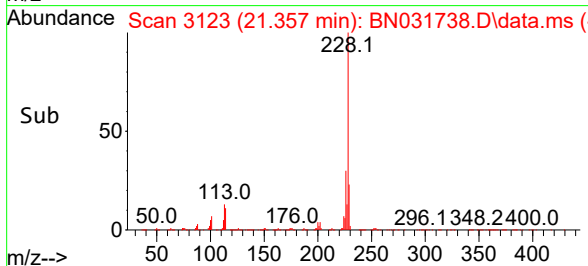
229 23.0 15.1 22.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/03/2024

Supervised By :mohammad ahmed 06/04/2024



#90

Benzo(b)fluoranthene

Concen: 116.170 ng/ul

RT: 23.345 min Scan# 3461

Delta R.T. 0.035 min

Lab File: BN031738.D

Acq: 31 May 2024 12:22

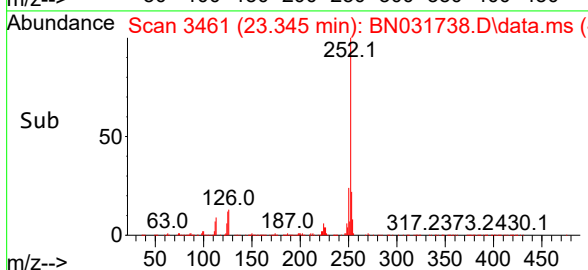
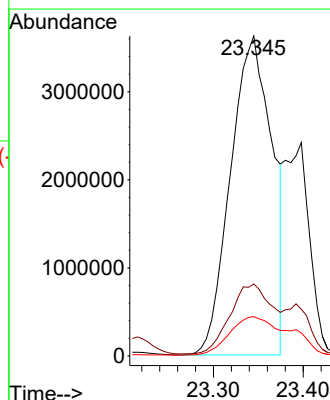
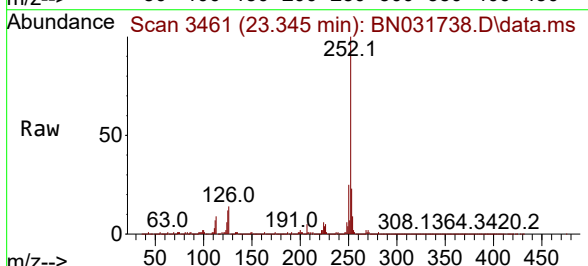
Tgt Ion:252 Resp:11636378

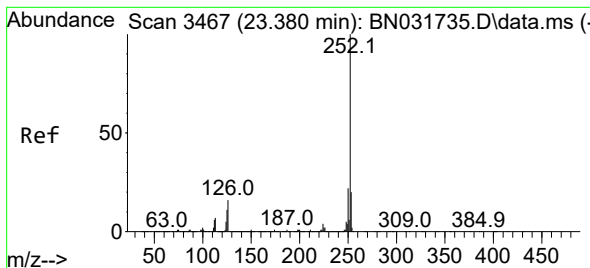
Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.6

125 12.3 9.2 13.8





#91

Benzo(k)fluoranthene

Concen: 45.974 ng/ul m

RT: 23.398 min Scan# 3467

Delta R.T. 0.023 min

Lab File: BN031738.D

Acq: 31 May 2024 12:22

Instrument :

BNA_N

ClientSampleId :

BHBN1

Tgt Ion:252 Resp: 4518820

Ion Ratio Lower Upper

252 100

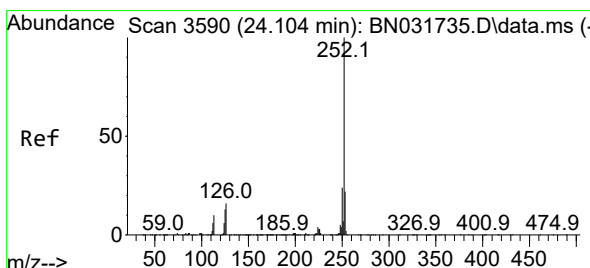
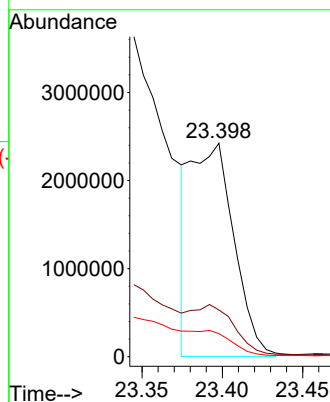
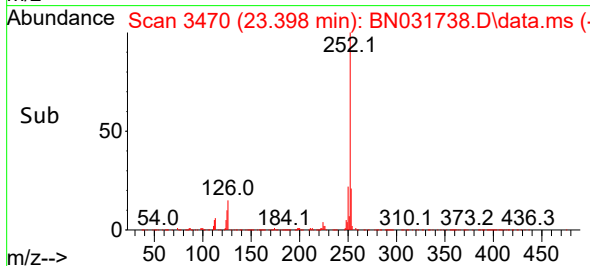
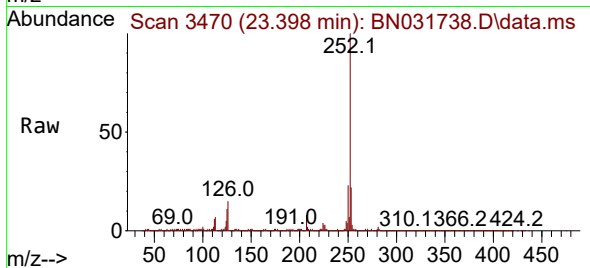
253 21.9 17.6 26.4

125 10.8 9.4 14.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#93

Benzo(a)pyrene

Concen: 89.293 ng/ul

RT: 24.133 min Scan# 3595

Delta R.T. 0.029 min

Lab File: BN031738.D

Acq: 31 May 2024 12:22

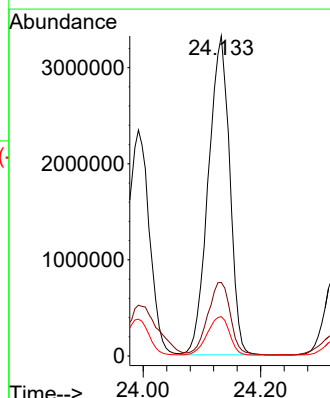
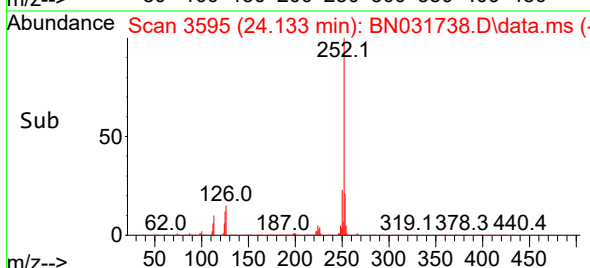
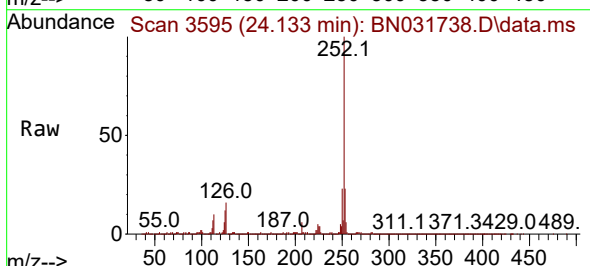
Tgt Ion:252 Resp: 8377073

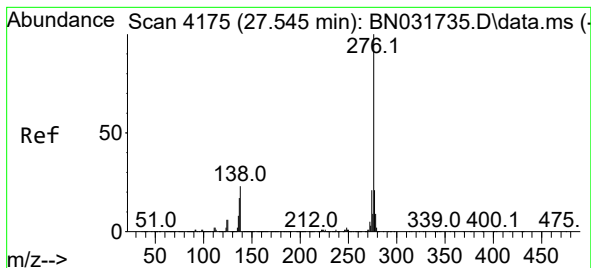
Ion Ratio Lower Upper

252 100

253 23.0 16.6 24.8

125 12.3 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 56.645 ng/ul m

RT: 27.586 min Scan# 41

Delta R.T. 0.053 min

Lab File: BN031738.D

Acq: 31 May 2024 12:22

Instrument :

BNA_N

ClientSampleId :

BHBN1

Tgt Ion:276 Resp: 6123684

Ion Ratio Lower Upper

276 100

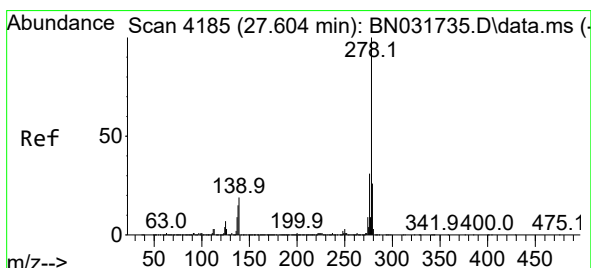
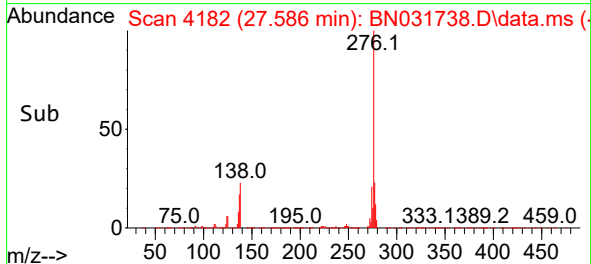
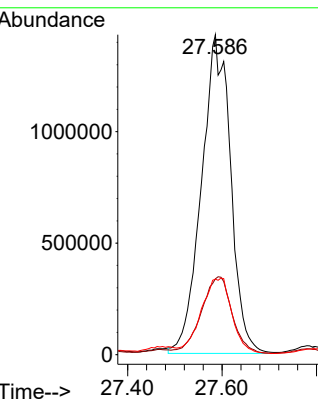
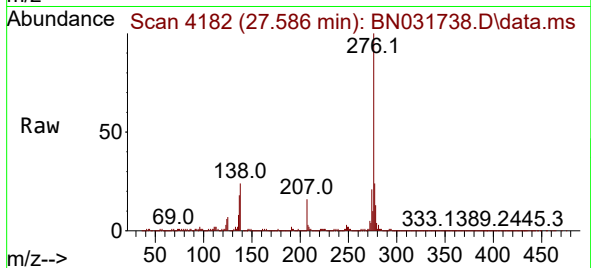
138 23.7 18.1 27.1

277 23.6 18.2 27.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#95

Dibenzo(a,h)anthracene

Concen: 19.207 ng/ul

RT: 27.627 min Scan# 4189

Delta R.T. 0.023 min

Lab File: BN031738.D

Acq: 31 May 2024 12:22

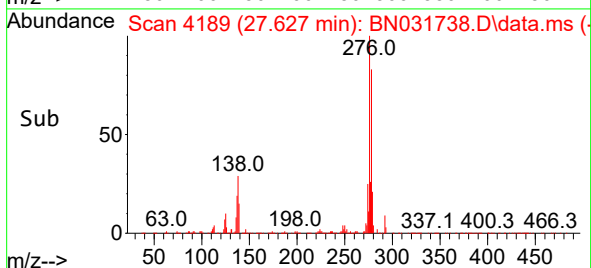
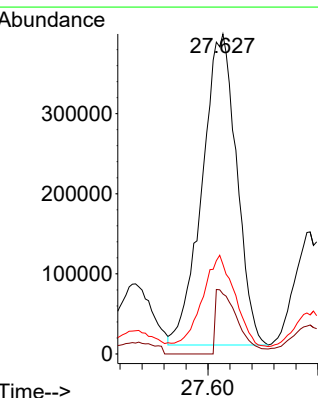
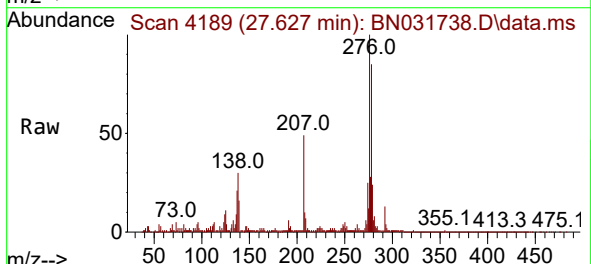
Tgt Ion:278 Resp: 1695213

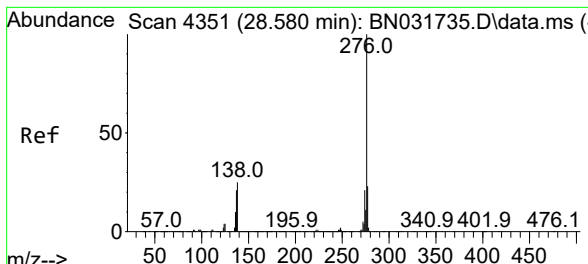
Ion Ratio Lower Upper

278 100

139 18.8 15.0 22.6

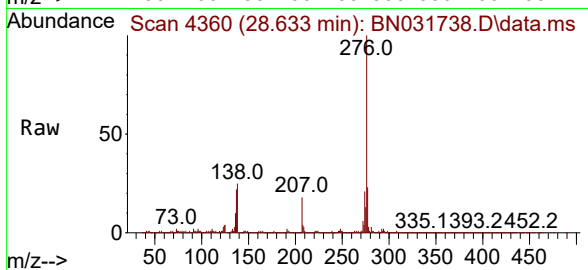
279 28.0 17.4 26.0#





#96
 Benzo(g,h,i)perylene
 Concen: 64.351 ng/ul
 RT: 28.633 min Scan# 41
 Delta R.T. 0.065 min
 Lab File: BN031738.D
 Acq: 31 May 2024 12:22

Instrument :
 BNA_N
 ClientSampleId :
 BHBN1



Tgt Ion:276 Resp: 5530114
 Ion Ratio Lower Upper
 276 100
 138 24.9 20.9 31.3
 277 22.9 18.0 27.0

Manual Integrations
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Reviewed By :Jagrut Upadhyay 06/03/2024
 Supervised By :mohammad ahmed 06/04/2024

