

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060624\
 Data File : BN031815.D
 Acq On : 06 Jun 2024 12:36
 Operator : MA/JU
 Sample : P2591-05DL2 30X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH5S8DL2

Manual Integrations
 APPROVED

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

Quant Time: Jun 07 00:21:51 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	465653	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.451	136	1955515	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.316	164	1152675	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.063	188	2393064	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1700287	20.000	ng/u1	0.00
88) Perylene-d12	24.239	264	1762373	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.187	96	2174	0.193	ng/uL	0.00
4) Pyridine-d5	3.611	84	13673m	0.432	ng/u1	0.01
7) Phenol-d5	6.846	99	44536	1.116	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.010	67	26222	1.123	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.204	132	35328	1.160	ng/u1	-0.01
15) 4-Methylphenol-d8	8.375	113	35399	1.088	ng/u1	-0.01
21) Nitrobenzene-d5	8.828	128	16241	1.086	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.546	143	15859	1.027	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.081	165	30633	1.062	ng/u1	0.00
31) 4-Chloroaniline-d4	10.598	131	23135	0.540	ng/u1	-0.01
46) Dimethylphthalate-d6	13.728	166	102622	1.278	ng/u1	-0.02
49) Acenaphthylene-d8	14.004	160	114907	1.244	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.528	143	12258	0.762	ng/u1	0.00
60) Fluorene-d10	15.310	176	91730	1.350	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.163	188	137845	1.345	ng/u1	0.00
81) Pyrene-d10	19.463	212	138120	1.518	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.033	264	75878	0.902	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.504	128	269083	2.659	ng/u1	98
36) 2-Methylnaphthalene	12.122	142	95989	1.388	ng/u1	99
37) 1-Methylnaphthalene	12.345	142	71144	1.025	ng/u1	98
52) Acenaphthene	14.381	153	248635	3.601	ng/u1	99
56) Dibenzofuran	14.716	168	398505	4.248	ng/u1	98
61) Fluorene	15.363	166	330475	4.375	ng/u1	95
72) Phenanthrene	17.104	178	6078606	49.863	ng/u1	99
74) Anthracene	17.198	178	1379106	11.165	ng/u1	99
77) Carbazole	17.469	167	855550	8.123	ng/u1	99
80) Fluoranthene	19.133	202	7656269	70.411	ng/u1	99
82) Pyrene	19.492	202	5393405	48.344	ng/u1	99
85) Benzo(a)anthracene	21.286	228	3110498	27.331	ng/u1	98
87) Chrysene	21.345	228	2679612	25.207	ng/u1	96
90) Benzo(b)fluoranthene	23.315	252	2967666	28.172	ng/u1	97
91) Benzo(k)fluoranthene	23.362	252	1090209	10.547	ng/u1	98
93) Benzo(a)pyrene	24.098	252	1194006	12.102	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	27.539	276	1019932	8.971	ng/u1	96
95) Dibenzo(a,h)anthracene	27.580	278	364919m	3.931	ng/u1	
96) Benzo(g,h,i)perylene	28.568	276	117065	1.295	ng/u1	97

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

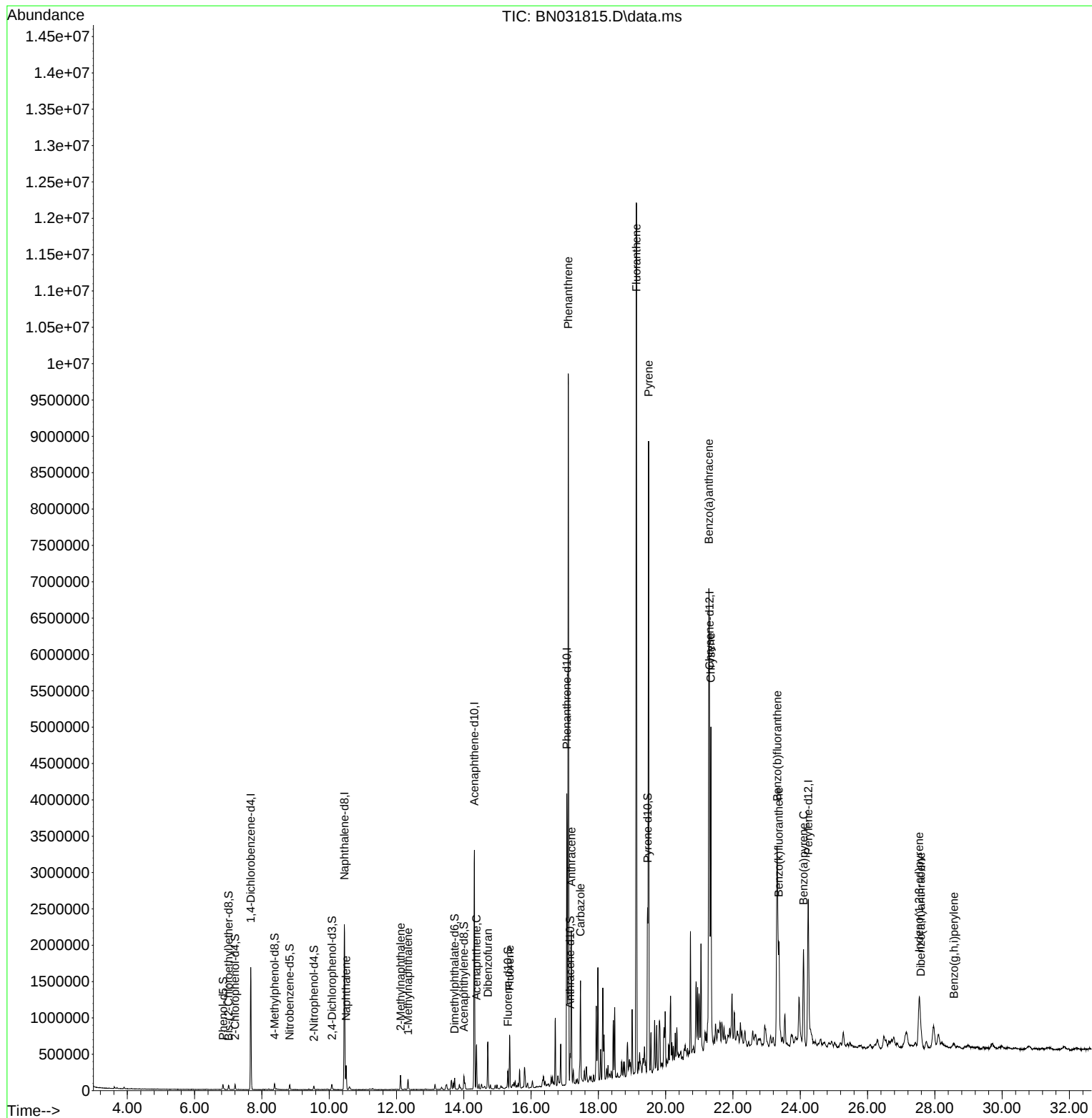
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060624\
Data File : BN031815.D
Acq On : 06 Jun 2024 12:36
Operator : MA/JU
Sample : P2591-05DL2 30X
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ALS Vial : 4 Sample Multiplier: 1

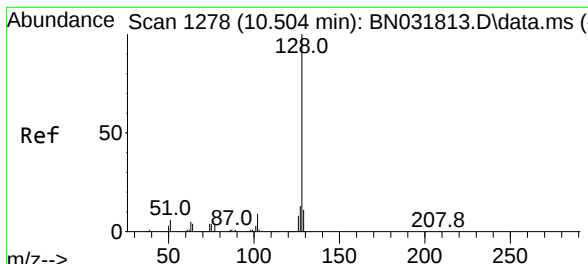
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Supervised By :mohammad ahmed 06/08/2024

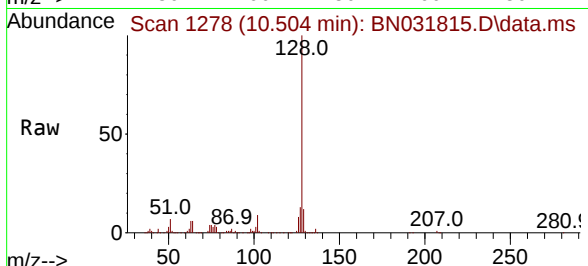
Quant Time: Jun 07 00:21:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 29 15:13:07 2024
Response via : Initial Calibration





#30
Naphthalene
Concen: 2.659 ng/ul
RT: 10.504 min Scan# 1278
Delta R.T. -0.012 min
Lab File: BN031815.D
Acq: 06 Jun 2024 12:36

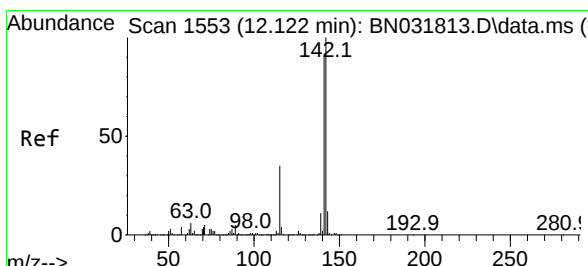
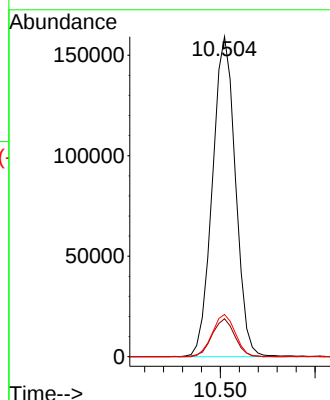
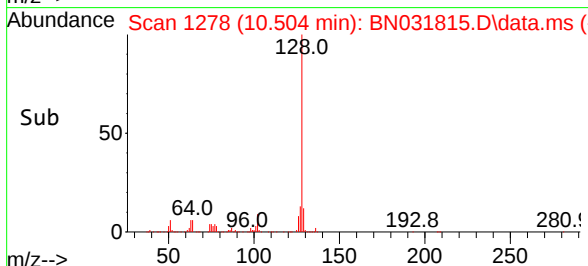
Instrument :
BNA_N
ClientSampleId :
BH5S8DL2



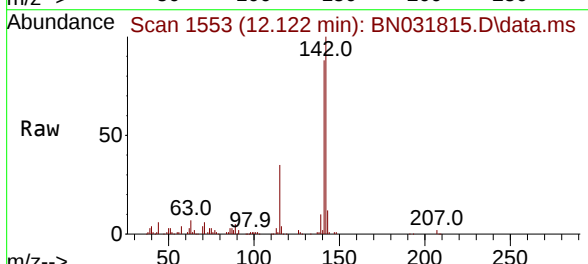
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Ion Ratio Lower Upper
128 100
129 11.9 8.5 12.7
127 13.2 10.3 15.5

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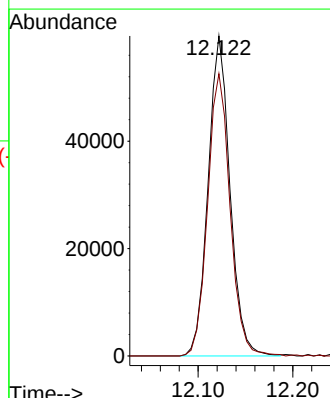
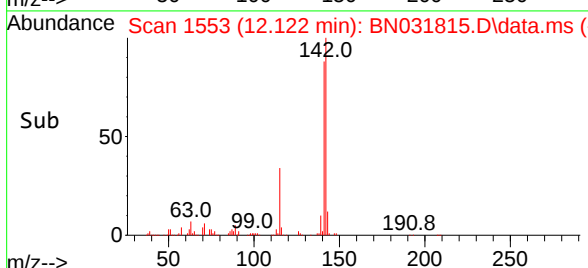
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024

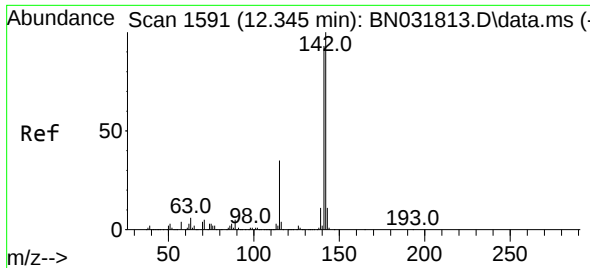


#36
2-Methylnaphthalene
Concen: 1.388 ng/ul
RT: 12.122 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BN031815.D
Acq: 06 Jun 2024 12:36



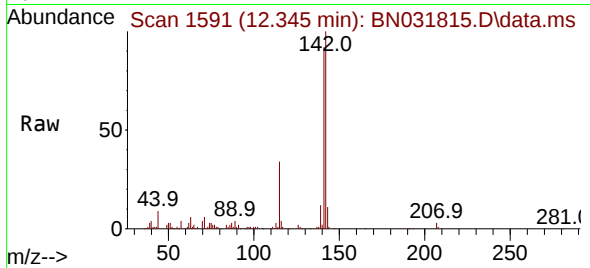
Tgt Ion:142 Resp: 95989
Ion Ratio Lower Upper
142 100
141 88.2 70.1 105.1





#37
1-Methylnaphthalene
Concen: 1.025 ng/ul
RT: 12.345 min Scan# 1591
Delta R.T. -0.012 min
Lab File: BN031815.D
Acq: 06 Jun 2024 12:36

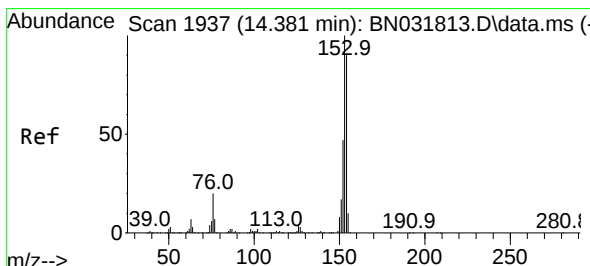
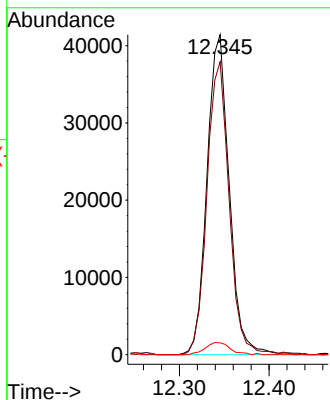
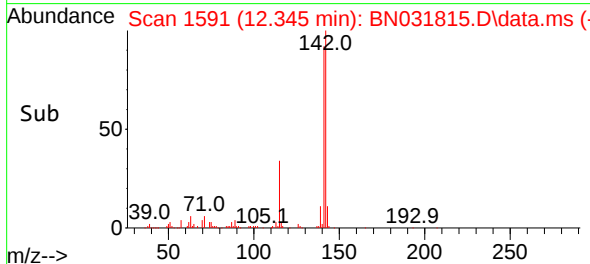
Instrument :
BNA_N
ClientSampleId :
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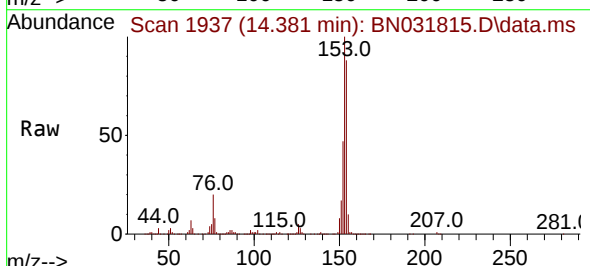
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Ion Ratio Lower Upper
142 100
141 91.6 71.7 107.5
116 3.7 3.0 4.4

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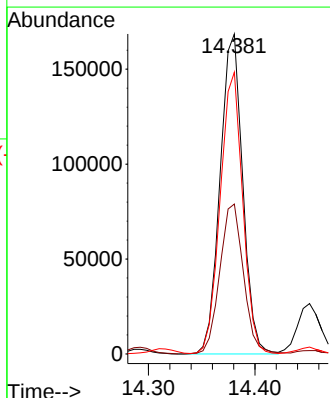
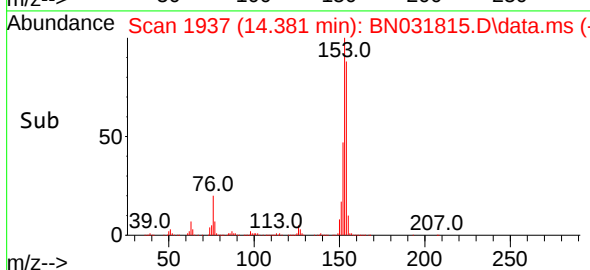
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024

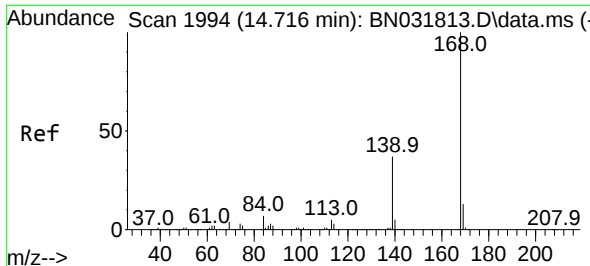


#52
Acenaphthene
Concen: 3.601 ng/ul
RT: 14.381 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BN031815.D
Acq: 06 Jun 2024 12:36



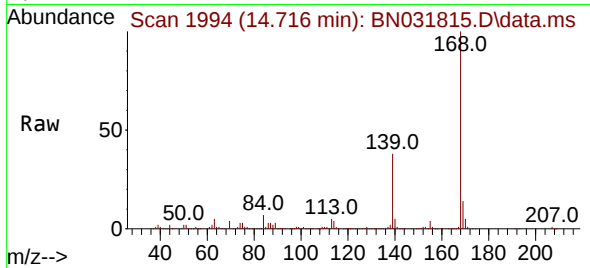
Tgt Ion:153 Resp: 248635
Ion Ratio Lower Upper
153 100
152 46.8 37.8 56.6
154 88.0 69.8 104.8





#56
Dibenzenofuran
Concen: 4.248 ng/ul
RT: 14.716 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BN031815.D
Acq: 06 Jun 2024 12:36

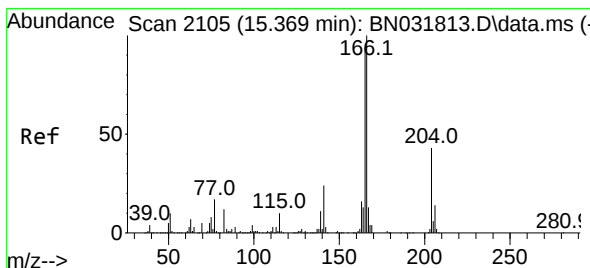
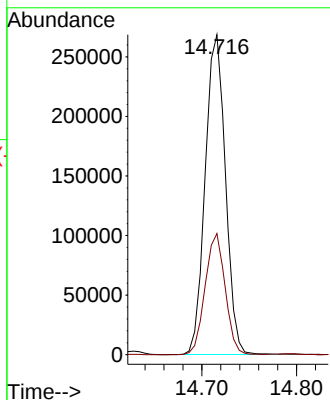
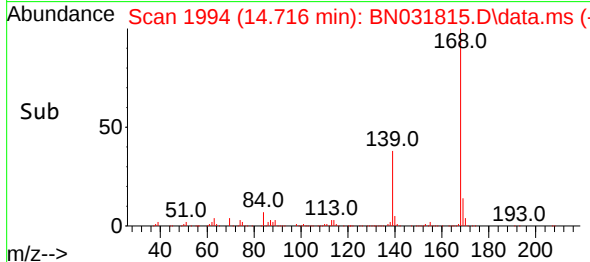
Instrument :
BNA_N
ClientSampleId :
BH5S8DL2



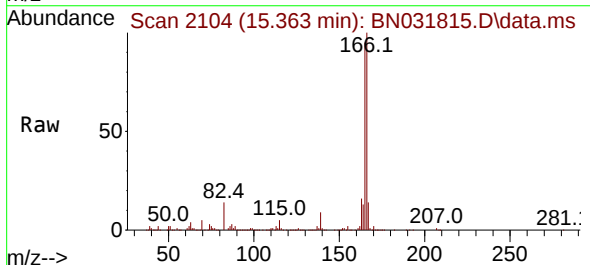
Tgt Ion:168 Resp: 398509
Ion Ratio Lower Upper
168 100
139 37.8 29.4 44.0

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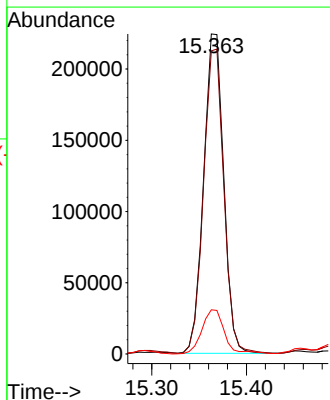
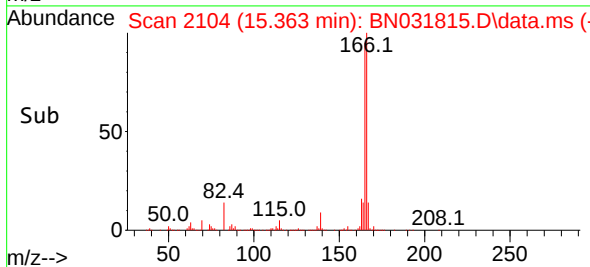
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024

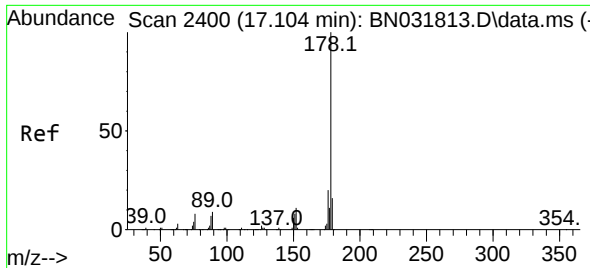


#61
Fluorene
Concen: 4.375 ng/ul
RT: 15.363 min Scan# 2104
Delta R.T. -0.012 min
Lab File: BN031815.D
Acq: 06 Jun 2024 12:36



Tgt Ion:166 Resp: 330475
Ion Ratio Lower Upper
166 100
165 94.7 80.3 120.5
167 13.8 11.3 16.9





#72
 Phenanthrene
 Concen: 49.863 ng/ul
 RT: 17.104 min Scan# 2400
 Delta R.T. -0.012 min
 Lab File: BN031815.D
 Acq: 06 Jun 2024 12:36

Instrument :

BNA_N

ClientSampleId :

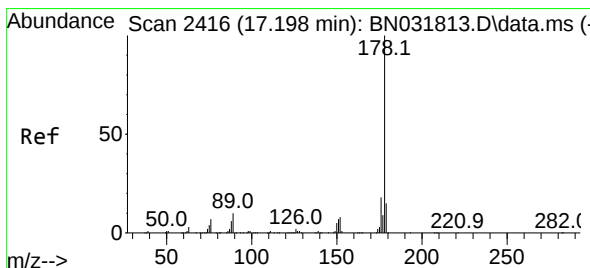
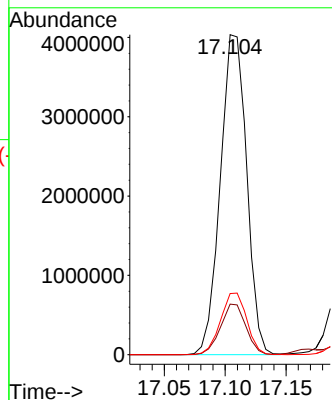
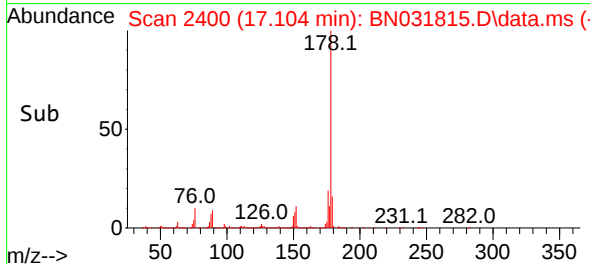
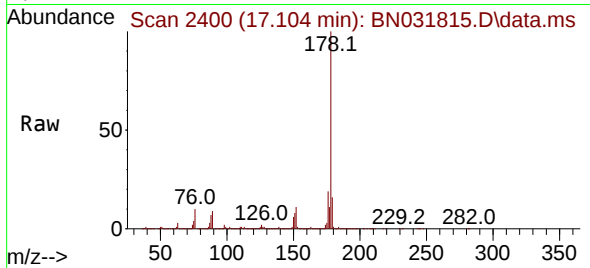
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Tgt Ion:178 Resp: 6078600
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.6 19.0
 176 19.1 15.8 23.6

Manual Integrations

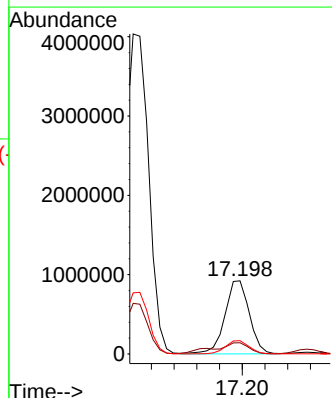
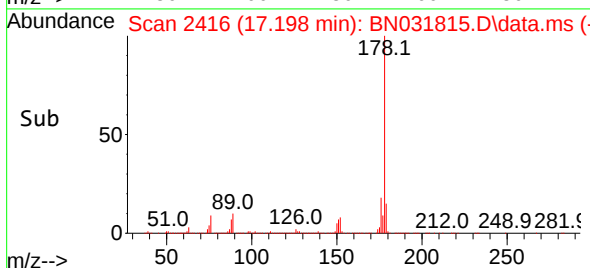
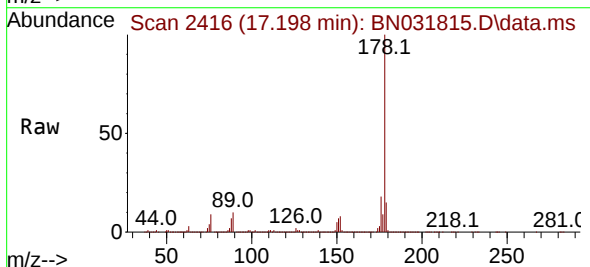
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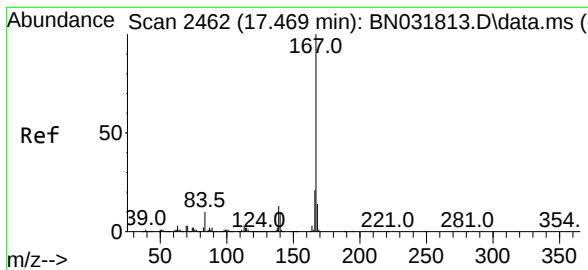
Reviewed By :Jagrut Upadhyay 06/07/2024
 Supervised By :mohammad ahmed 06/08/2024



#74
 Anthracene
 Concen: 11.165 ng/ul
 RT: 17.198 min Scan# 2416
 Delta R.T. -0.006 min
 Lab File: BN031815.D
 Acq: 06 Jun 2024 12:36

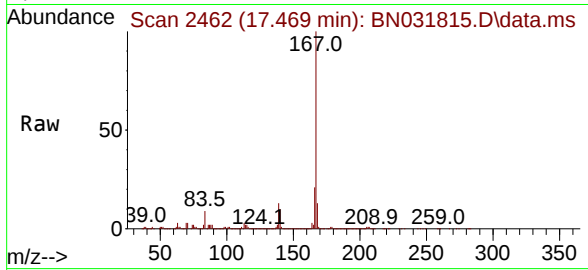
Tgt Ion:178 Resp: 1379106
 Ion Ratio Lower Upper
 178 100
 179 15.4 11.8 17.6
 176 18.1 14.8 22.2





#77
 Carbazole
 Concen: 8.123 ng/ul
 RT: 17.469 min Scan# 2462
 Delta R.T. -0.006 min
 Lab File: BN031815.D
 Acq: 06 Jun 2024 12:36

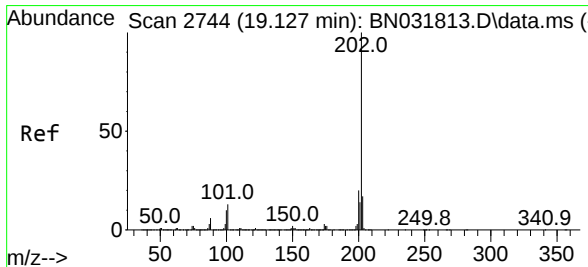
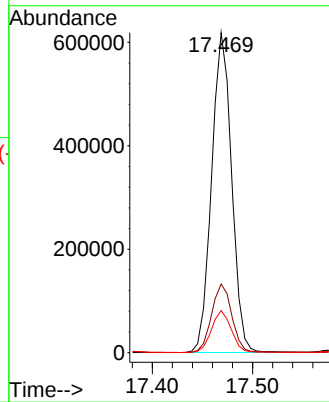
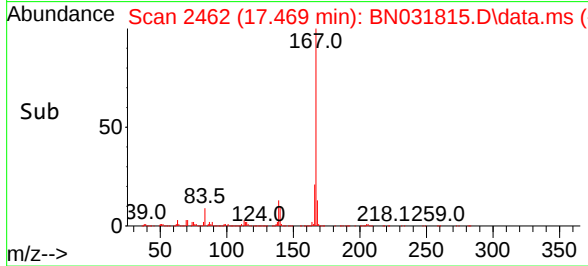
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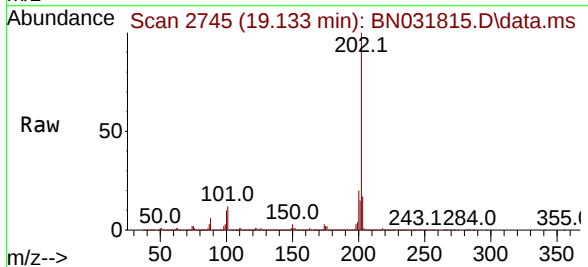
Tgt Ion:167 Resp: 855550
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.9 26.9
 139 13.1 10.5 15.7

Manual Integrations
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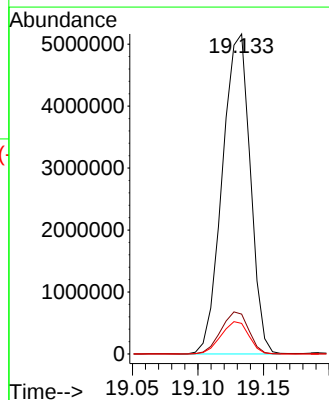
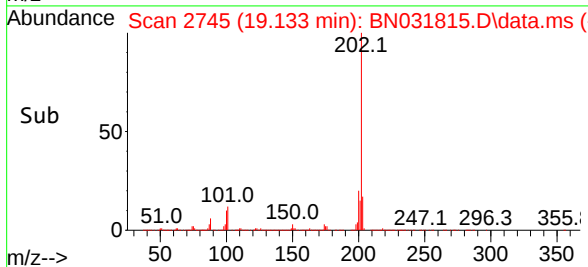
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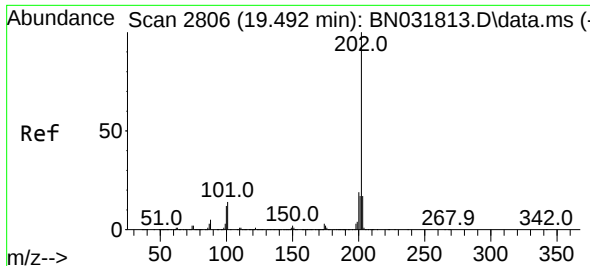


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 Fluoranthene
 Concen: 70.411 ng/ul
 RT: 19.133 min Scan# 2745
 Delta R.T. -0.000 min
 Lab File: BN031815.D
 Acq: 06 Jun 2024 12:36



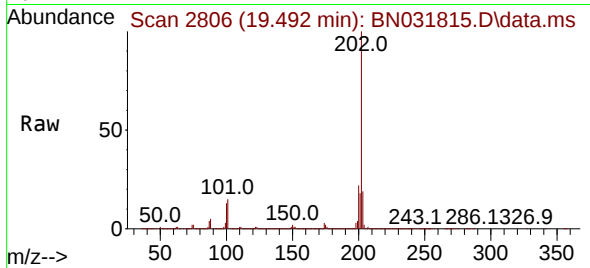
Tgt Ion:202 Resp: 7656269
 Ion Ratio Lower Upper
 202 100
 101 12.5 10.3 15.5
 100 9.5 8.0 12.0





#82
Pyrene
Concen: 48.344 ng/ul
RT: 19.492 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN031815.D
Acq: 06 Jun 2024 12:36

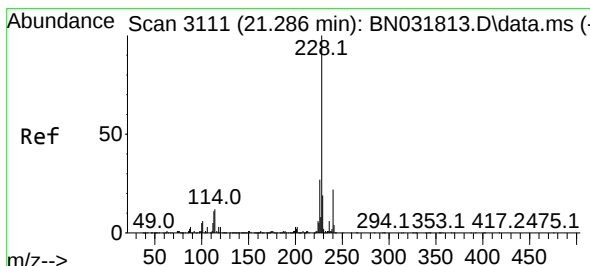
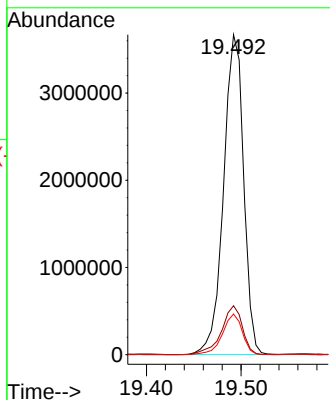
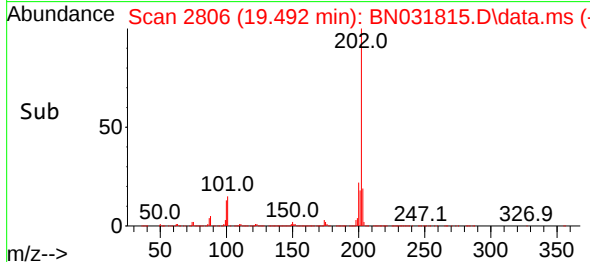
Instrument :
BNA_N
ClientSampleId :
BH5S8DL2



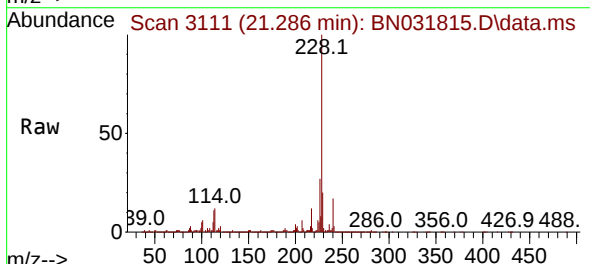
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Ion Ratio Lower Upper
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101 15.3 12.6 18.8
100 12.7 10.2 15.2

Manual Integrations
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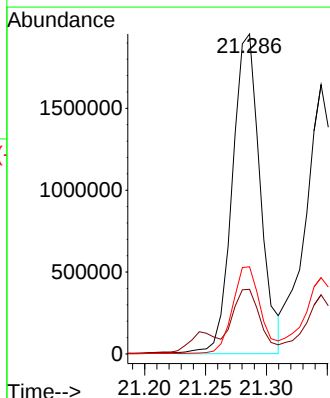
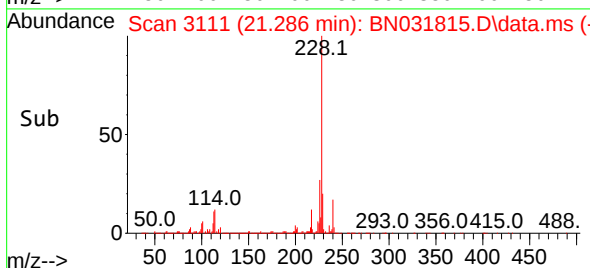
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Supervised By :mohammad ahmed 06/08/2024

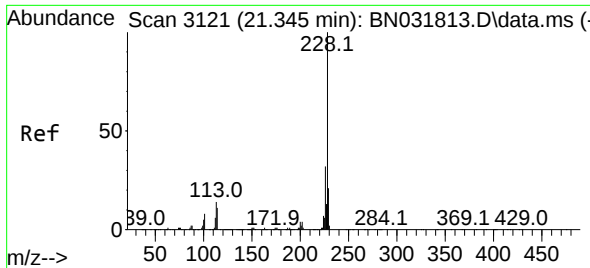


#85
Benzo(a)anthracene
Concen: 27.331 ng/ul
RT: 21.286 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BN031815.D
Acq: 06 Jun 2024 12:36



Tgt Ion:228 Resp: 3110498
Ion Ratio Lower Upper
228 100
229 20.2 16.7 25.1
226 27.2 22.8 34.2





#87

Chrysene

Concen: 25.207 ng/u1

RT: 21.345 min Scan# 3121

Delta R.T. -0.006 min

Lab File: BN031815.D

Acq: 06 Jun 2024 12:36

Instrument :

BNA_N

ClientSampleId :

BH5S8DL2

Tgt Ion:228 Resp: 267961

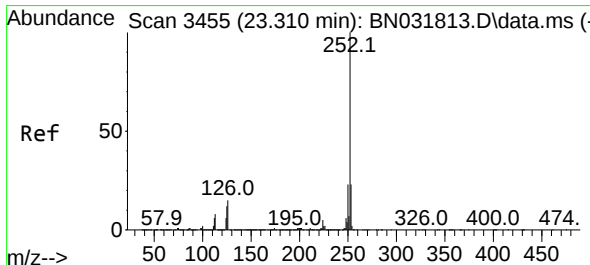
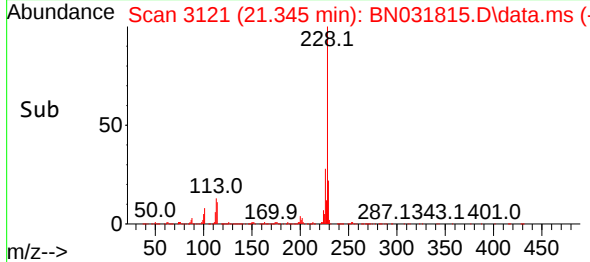
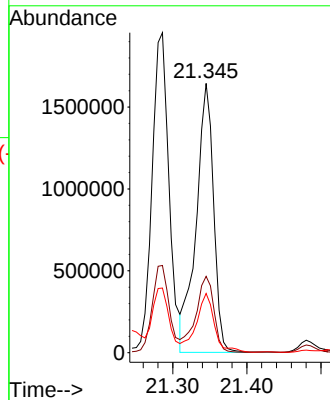
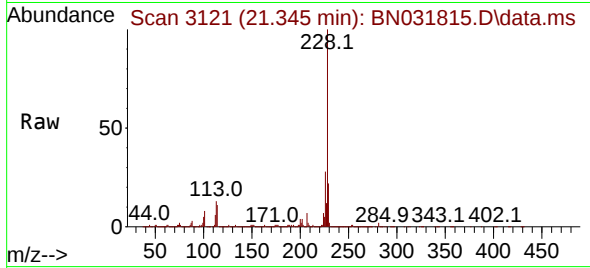
Ion	Ratio	Lower	Upper
228	100		
226	28.3	23.7	35.5
229	22.0	15.1	22.7

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Supervised By :mohammad ahmed 06/08/2024



#90

Benzo(b)fluoranthene

Concen: 28.172 ng/u1

RT: 23.315 min Scan# 3456

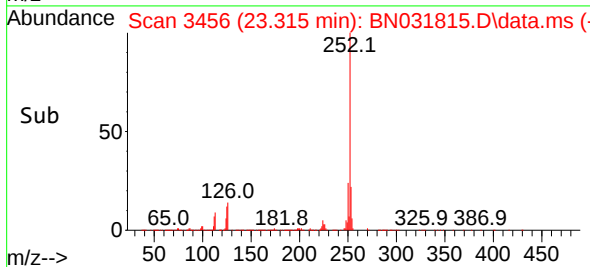
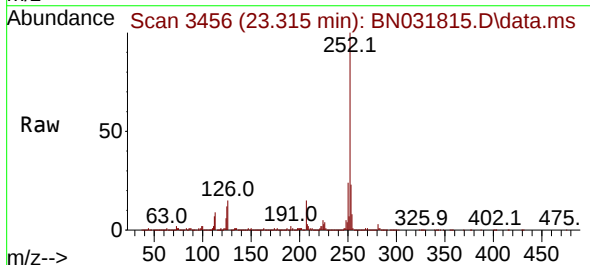
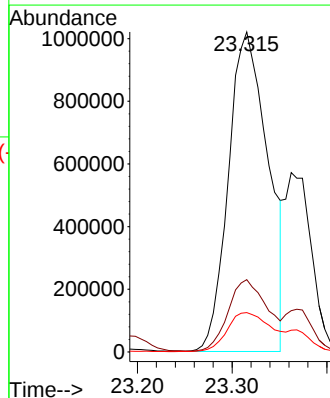
Delta R.T. 0.006 min

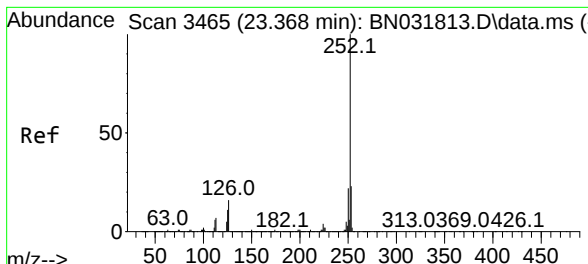
Lab File: BN031815.D

Acq: 06 Jun 2024 12:36

Tgt Ion:252 Resp: 2967666

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	12.3	9.2	13.8





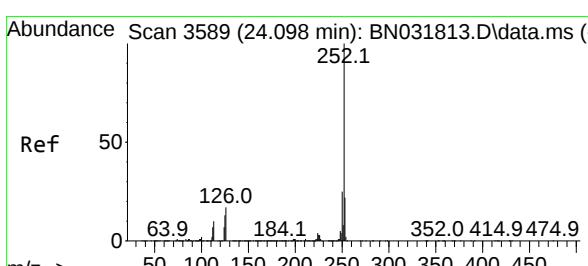
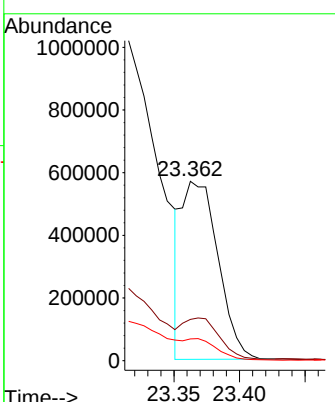
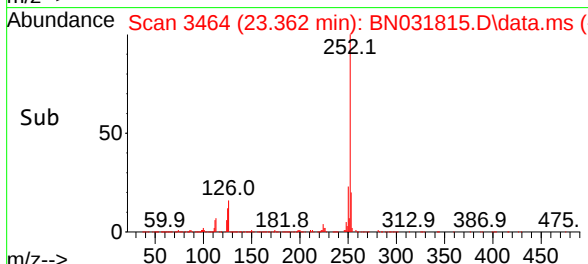
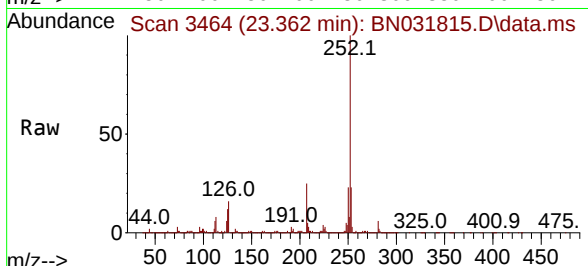
#91
 Benzo(k)fluoranthene
 Concen: 10.547 ng/u1
 RT: 23.362 min Scan# 3464
 Delta R.T. -0.012 min
 Lab File: BN031815.D
 Acq: 06 Jun 2024 12:36

Instrument : BNA_N
 ClientSampleId : BH5S8DL2

Tgt Ion:252 Resp: 1090209

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	12.1	9.4	14.2

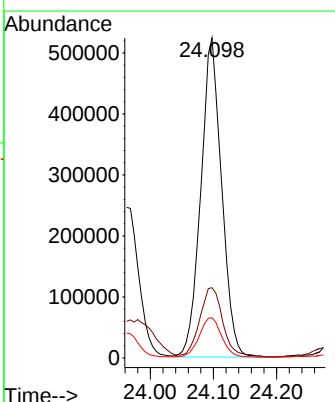
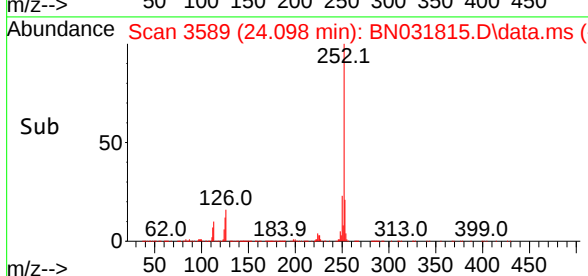
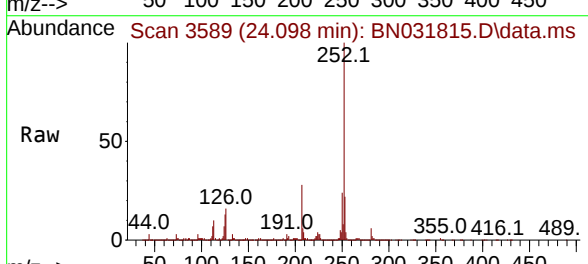
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 Supervised By :mohammad ahmed 06/08/2024

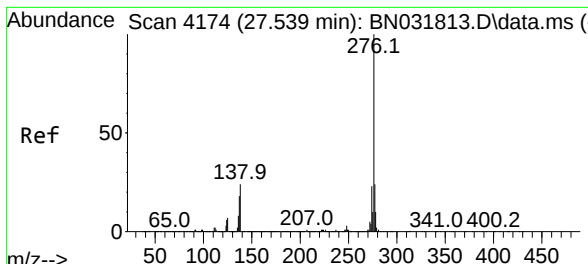


#93
 Benzo(a)pyrene
 Concen: 12.102 ng/u1
 RT: 24.098 min Scan# 3589
 Delta R.T. -0.006 min
 Lab File: BN031815.D
 Acq: 06 Jun 2024 12:36

Tgt Ion:252 Resp: 1194006

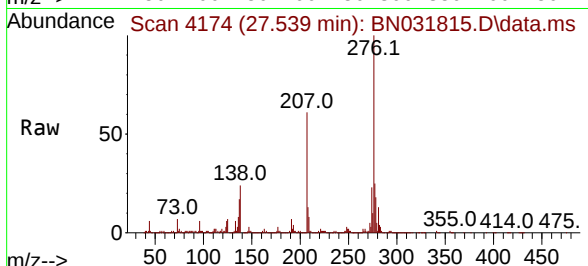
Ion	Ratio	Lower	Upper
252	100		
253	22.0	16.6	24.8
125	12.6	9.8	14.8





#94
Indeno(1,2,3-cd)pyrene
Concen: 8.971 ng/ul
RT: 27.539 min Scan# 4174
Delta R.T. 0.006 min
Lab File: BN031815.D
Acq: 06 Jun 2024 12:36

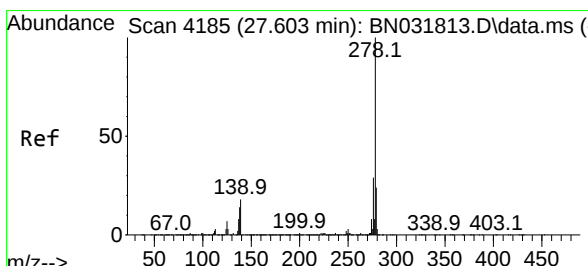
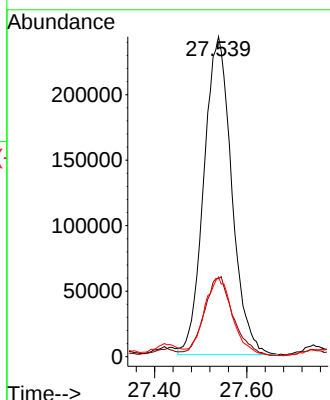
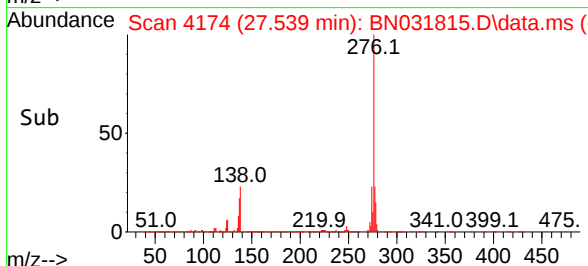
Instrument :
BNA_N
ClientSampleId :
BH5S8DL2



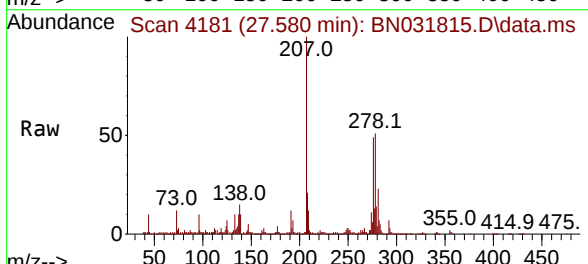
Tgt Ion:276 Resp: 101993
Ion Ratio Lower Upper
276 100
138 24.4 18.1 27.1
277 24.9 18.2 27.2

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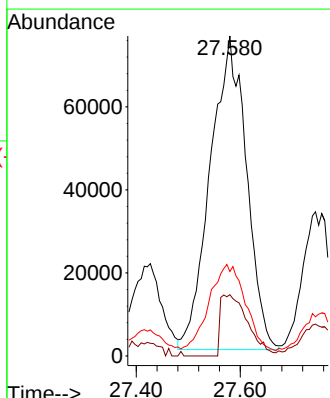
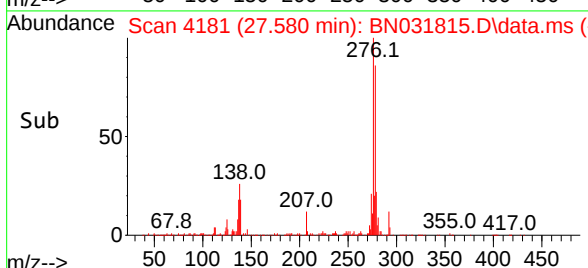
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024

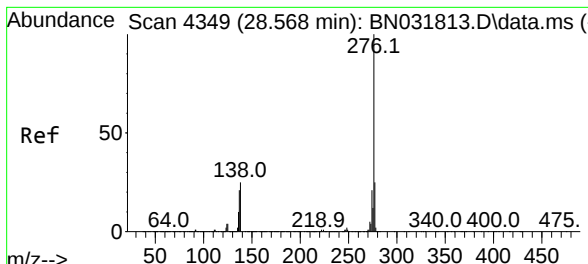


#95
Dibenzo(a,h)anthracene
Concen: 3.931 ng/ul m
RT: 27.580 min Scan# 4181
Delta R.T. -0.024 min
Lab File: BN031815.D
Acq: 06 Jun 2024 12:36



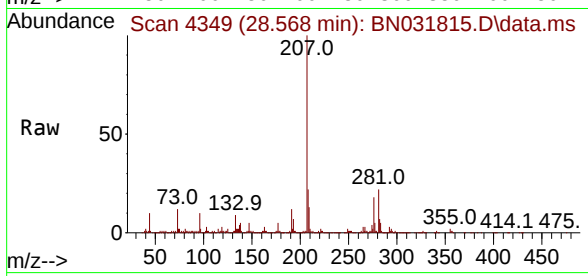
Tgt Ion:278 Resp: 364919
Ion Ratio Lower Upper
278 100
139 19.2 15.0 22.6
279 26.4 17.4 26.0#





#96
 Benzo(g,h,i)perylene
 Concen: 1.295 ng/ul
 RT: 28.568 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: BN031815.D
 Acq: 06 Jun 2024 12:36

Instrument :
 BNA_N
 ClientSampleId :
 BH5S8DL2



Tgt Ion: 276 Resp: 11706

Ion	Ratio	Lower	Upper
276	100		
138	25.0	20.9	31.3
277	24.8	18.0	27.0

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

