

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
 Data File : BN031803.D
 Acq On : 05 Jun 2024 17:06
 Operator : MA/JU
 Sample : P2591-12DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHBQ3DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

Quant Time: Jun 06 01:03:09 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	7.675	152	293098	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.458	136	1407136	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.316	164	962875	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.063	188	2054414	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	2085434	20.000	ng/u1	0.00
88) Perylene-d12	24.239	264	2588374	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.181	96	5566m	0.786	ng/uL	-0.01
4) Pyridine-d5	3.611	84	16590	0.832	ng/u1	0.01
7) Phenol-d5	6.846	99	152752	6.079	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.011	67	85307	5.804	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.205	132	116062	6.054	ng/u1	-0.01
15) 4-Methylphenol-d8	8.375	113	124917	6.099	ng/u1	-0.01
21) Nitrobenzene-d5	8.828	128	62160	5.777	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.546	143	63111	5.679	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.081	165	121925	5.876	ng/u1	0.00
31) 4-Chloroaniline-d4	10.599	131	130536	4.237	ng/u1	-0.01
46) Dimethylphthalate-d6	13.728	166	427964	6.380	ng/u1	-0.02
49) Acenaphthylene-d8	14.010	160	480657	6.232	ng/u1	0.00
54) 4-Nitrophenol-d4	14.528	143	54509	4.058	ng/u1	0.00
60) Fluorene-d10	15.310	176	381023	6.713	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.163	188	608454	6.918	ng/u1	0.00
81) Pyrene-d10	19.463	212	709022	6.353	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.039	264	636887	5.153	ng/u1	0.00
Target Compounds					Qvalue	
52) Acenaphthene	14.381	153	76192	1.321	ng/u1	98
56) Dibenzofuran	14.716	168	114007	1.455	ng/u1	97
61) Fluorene	15.369	166	102698	1.627	ng/u1	98
72) Phenanthrene	17.104	178	2548576	24.352	ng/u1	97
74) Anthracene	17.198	178	548089	5.169	ng/u1	99
77) Carbazole	17.469	167	327602	3.623	ng/u1	99
80) Fluoranthene	19.128	202	4840138	36.292	ng/u1	99
82) Pyrene	19.492	202	3619826	26.454	ng/u1	99
85) Benzo(a)anthracene	21.286	228	2565927	18.382	ng/u1	100
87) Chrysene	21.345	228	2295561m	17.606	ng/u1	
90) Benzo(b)fluoranthene	23.316	252	3430496	22.173	ng/u1	97
91) Benzo(k)fluoranthene	23.374	252	1094096	7.207	ng/u1	99
93) Benzo(a)pyrene	24.104	252	1549442	10.693	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	27.545	276	1125610	6.741	ng/u1	96
95) Dibenzo(a,h)anthracene	27.586	278	395551m	2.902	ng/u1	
96) Benzo(g,h,i)perylene	28.574	276	166717	1.256	ng/u1	99

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

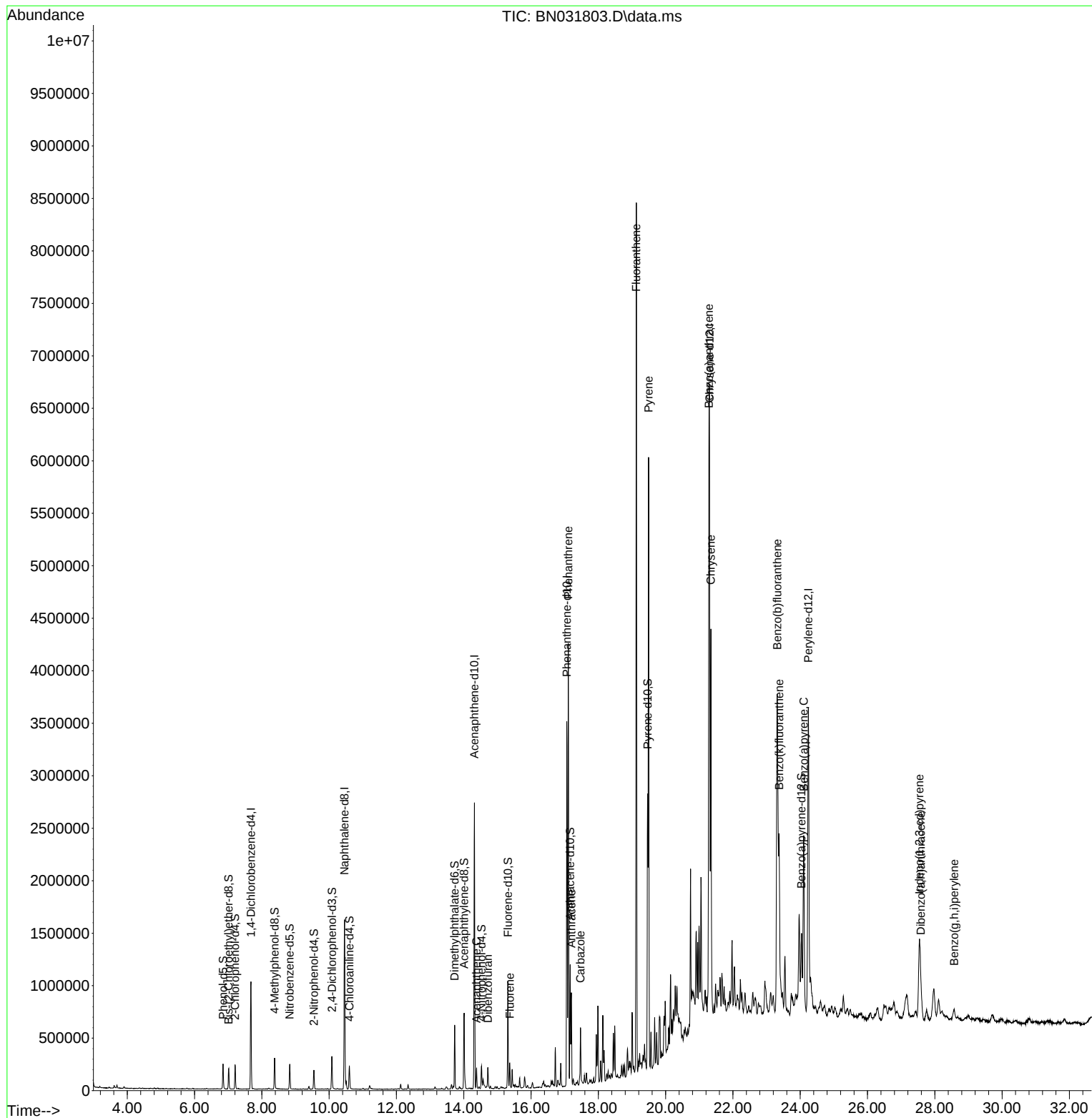
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
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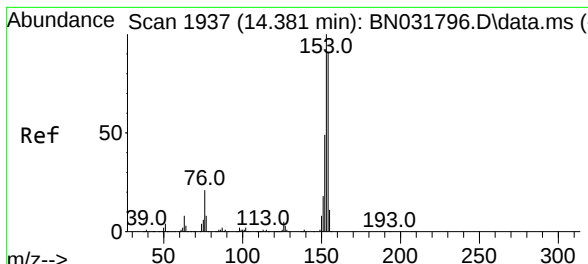
Instrument :
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Quant Time: Jun 06 01:03:09 2024
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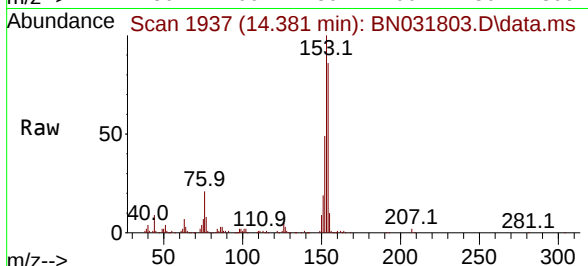
Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024





#52
Acenaphthene
Concen: 1.321 ng/ul
RT: 14.381 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BN031803.D
Acq: 05 Jun 2024 17:06

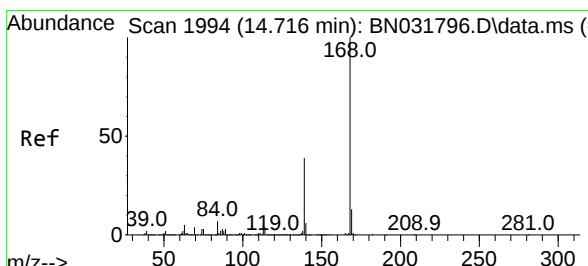
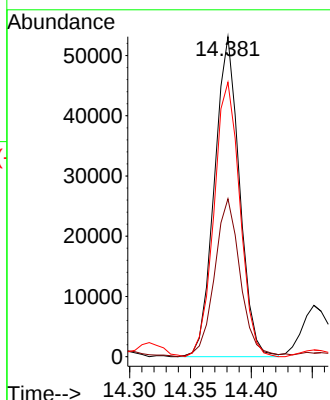
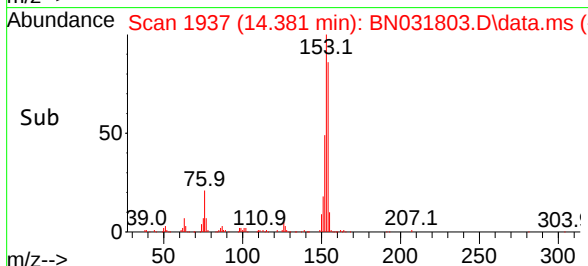
Instrument : BNA_N
ClientSampleId : BHBQ3DL



Tgt Ion:153 Resp: 76192
Ion Ratio Lower Upper
153 100
152 49.3 37.8 56.6
154 85.7 69.8 104.8

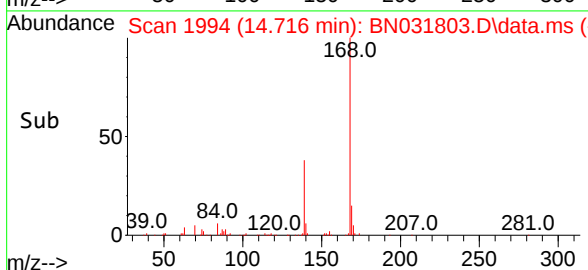
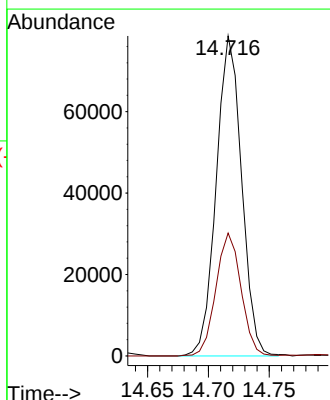
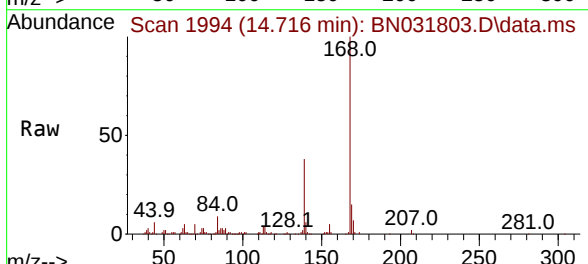
Manual Integrations
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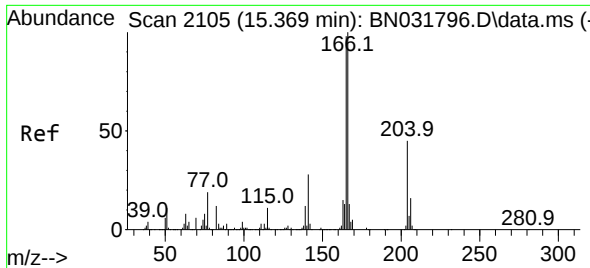
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#56
Dibenzofuran
Concen: 1.455 ng/ul
RT: 14.716 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BN031803.D
Acq: 05 Jun 2024 17:06

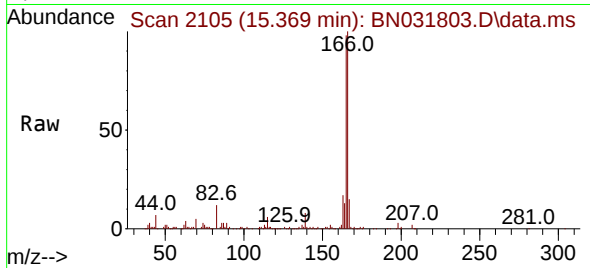
Tgt Ion:168 Resp: 114007
Ion Ratio Lower Upper
168 100
139 38.4 29.4 44.0





#61
Fluorene
Concen: 1.627 ng/ul
RT: 15.369 min Scan# 2105
Delta R.T. -0.006 min
Lab File: BN031803.D
Acq: 05 Jun 2024 17:06

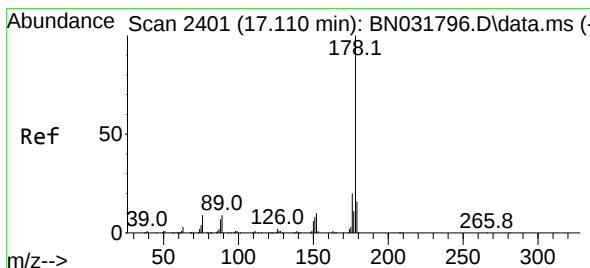
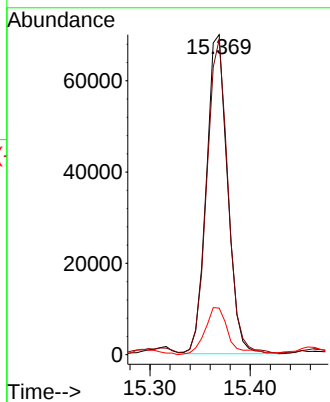
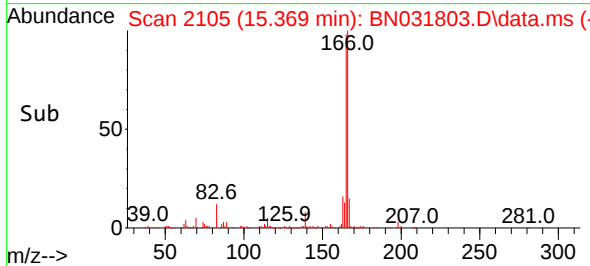
Instrument :
BNA_N
ClientSampleId :
BHBQ3DL



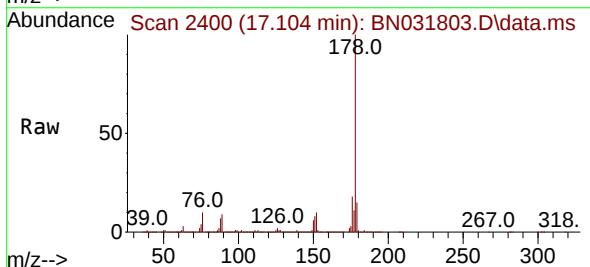
Tgt Ion:166 Resp: 102698
Ion Ratio Lower Upper
166 100
165 98.5 80.3 120.5
167 14.5 11.3 16.9

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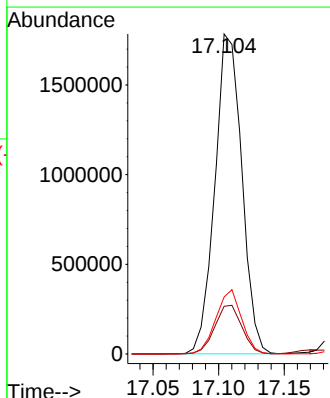
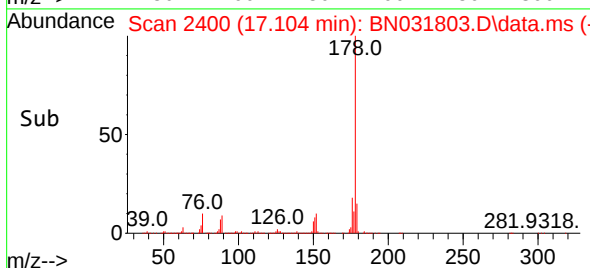
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

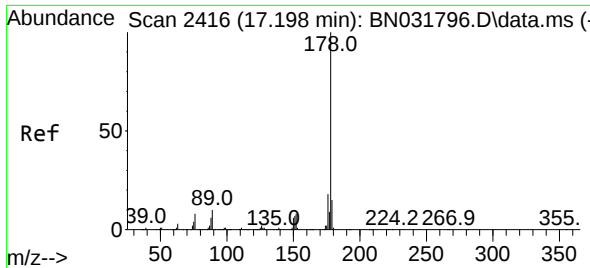


#72
Phenanthrene
Concen: 24.352 ng/ul
RT: 17.104 min Scan# 2400
Delta R.T. -0.012 min
Lab File: BN031803.D
Acq: 05 Jun 2024 17:06



Tgt Ion:178 Resp: 2548576
Ion Ratio Lower Upper
178 100
179 14.9 12.6 19.0
176 17.8 15.8 23.6





#74
 Anthracene
 Concen: 5.169 ng/ul
 RT: 17.198 min Scan# 2416
 Delta R.T. -0.006 min
 Lab File: BN031803.D
 Acq: 05 Jun 2024 17:06

Instrument :

BNA_N

ClientSampleId :

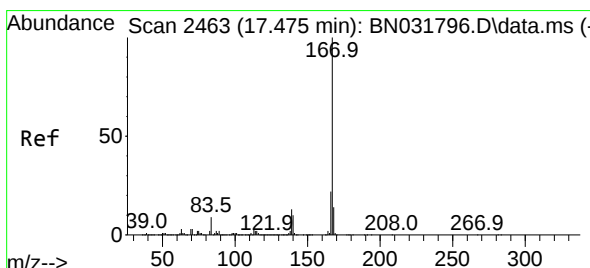
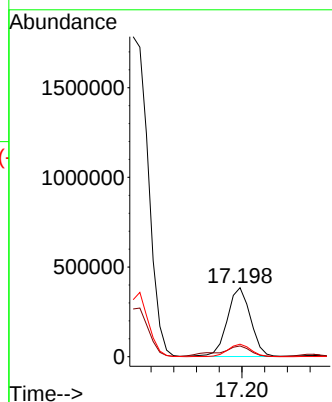
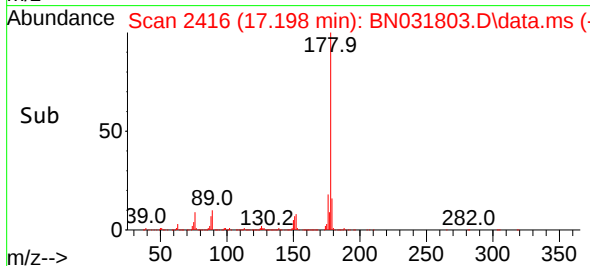
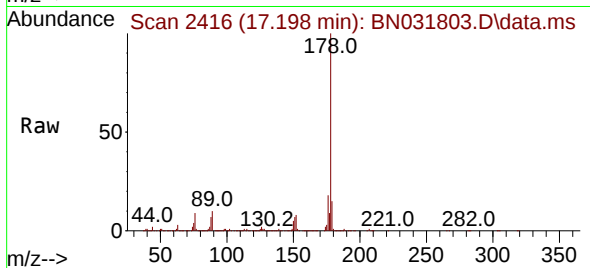
BHBQ3DL

Tgt Ion:178 Resp: 548089
 Ion Ratio Lower Upper
 178 100
 179 15.5 11.8 17.6
 176 18.2 14.8 22.2

Manual Integrations

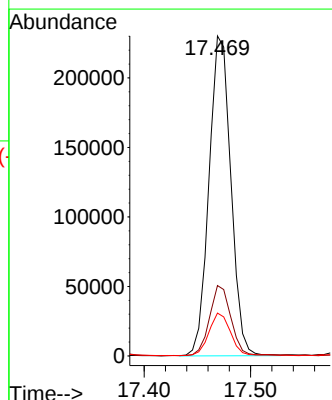
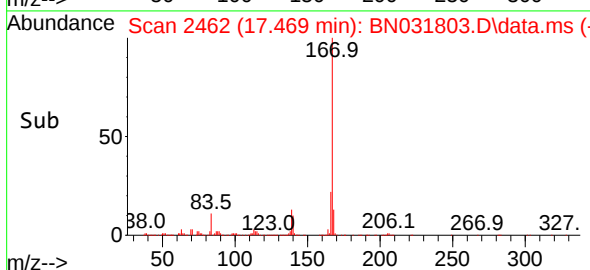
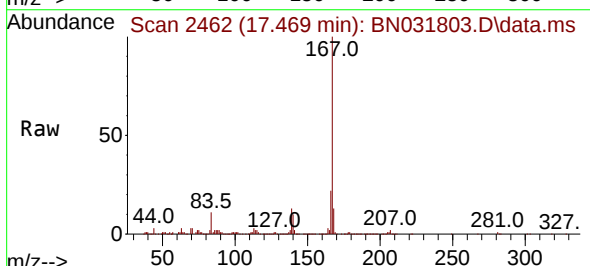
APPROVED

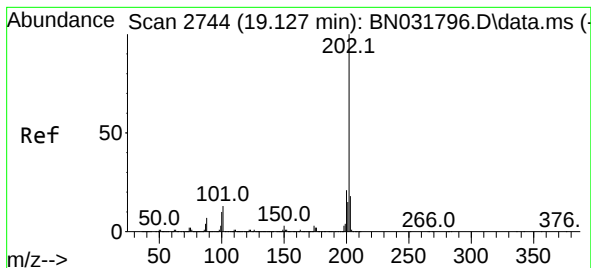
Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024



#77
 Carbazole
 Concen: 3.623 ng/ul
 RT: 17.469 min Scan# 2462
 Delta R.T. -0.006 min
 Lab File: BN031803.D
 Acq: 05 Jun 2024 17:06

Tgt Ion:167 Resp: 327602
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.9 26.9
 139 13.4 10.5 15.7





#80

Fluoranthene

Concen: 36.292 ng/u1

RT: 19.128 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN031803.D

Acq: 05 Jun 2024 17:06

Instrument :

BNA_N

ClientSampleId :

BHBQ3DL

Tgt Ion:202 Resp: 4840138

Ion Ratio Lower Upper

202 100

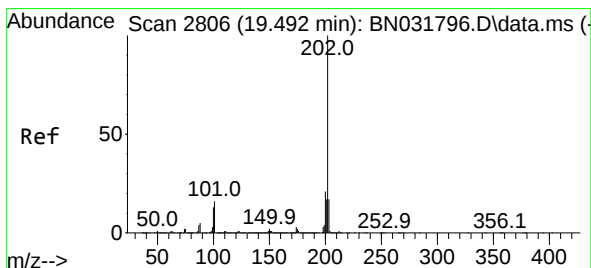
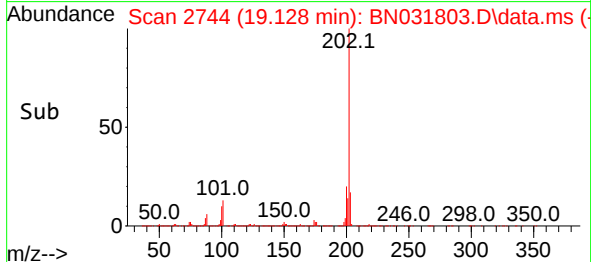
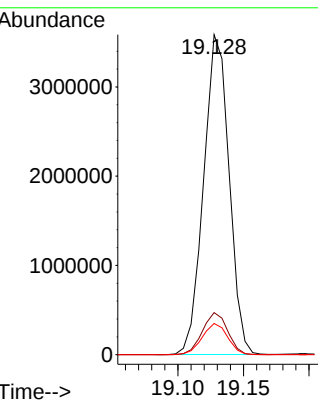
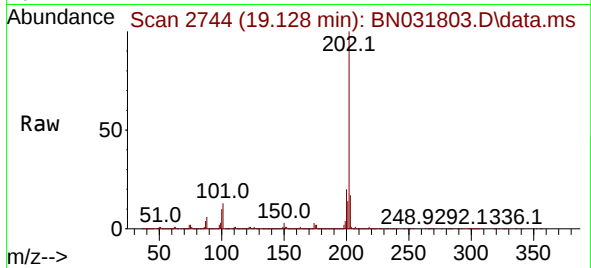
101 13.1 10.3 15.5

100 9.7 8.0 12.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#82

Pyrene

Concen: 26.454 ng/u1

RT: 19.492 min Scan# 2806

Delta R.T. 0.000 min

Lab File: BN031803.D

Acq: 05 Jun 2024 17:06

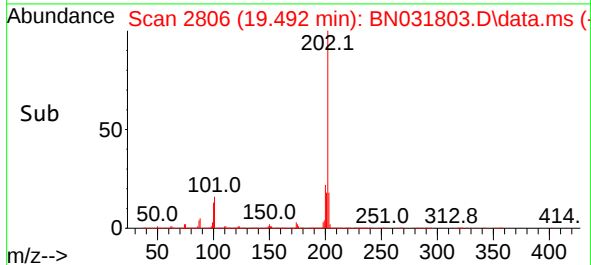
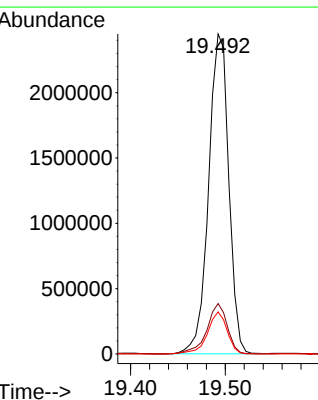
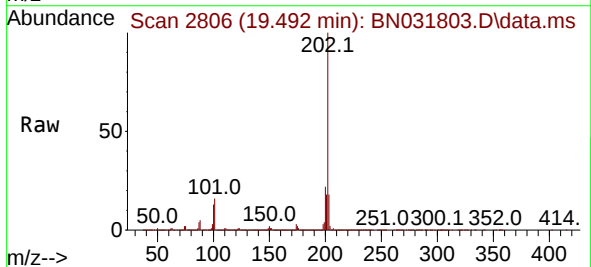
Tgt Ion:202 Resp: 3619826

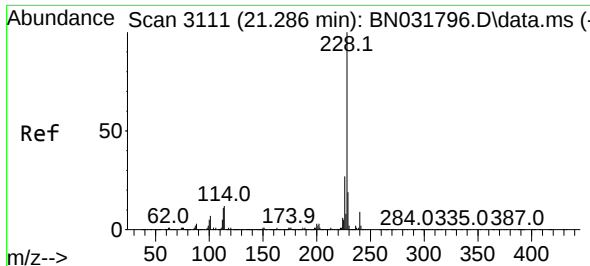
Ion Ratio Lower Upper

202 100

101 15.8 12.6 18.8

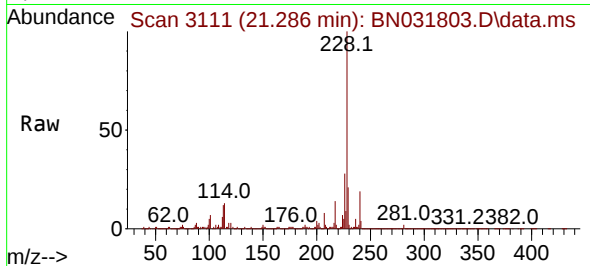
100 13.1 10.2 15.2





#85
Benzo(a)anthracene
Concen: 18.382 ng/u1
RT: 21.286 min Scan# 3111
Delta R.T. 0.000 min
Lab File: BN031803.D
Acq: 05 Jun 2024 17:06

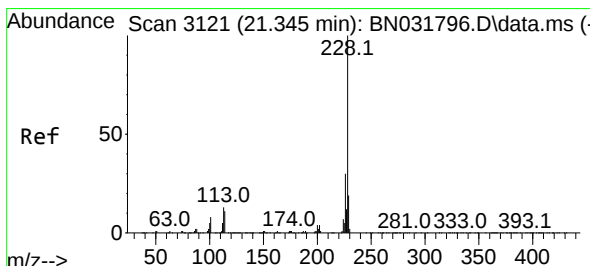
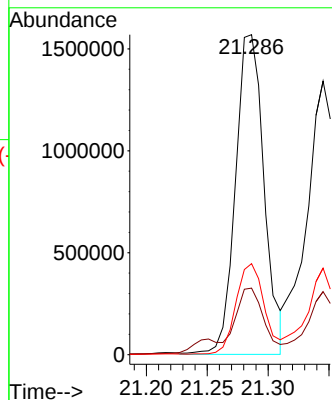
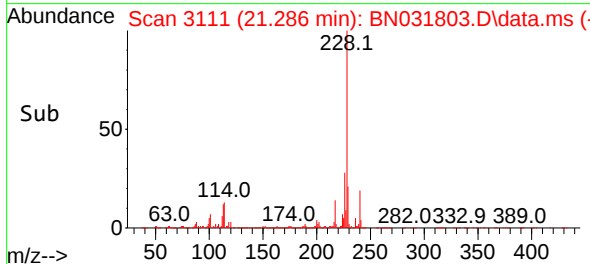
Instrument :
BNA_N
ClientSampleId :
BHBQ3DL



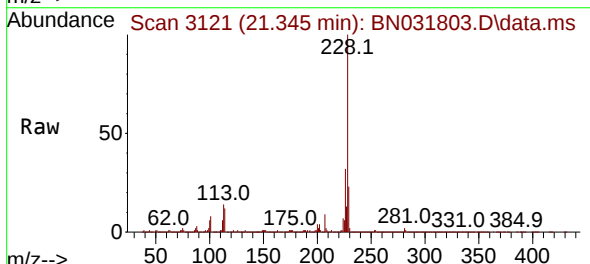
Tgt Ion:228 Resp: 256592
Ion Ratio Lower Upper
228 100
229 20.8 16.7 25.1
226 28.5 22.8 34.2

Manual Integrations
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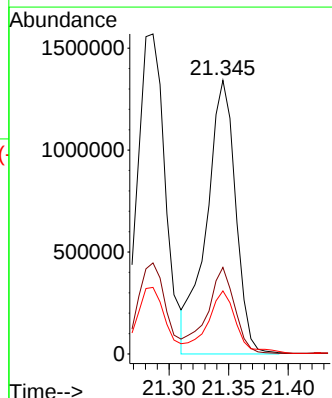
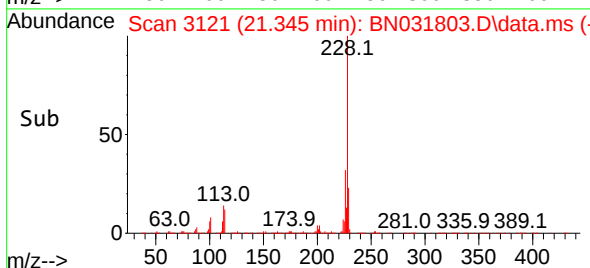
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

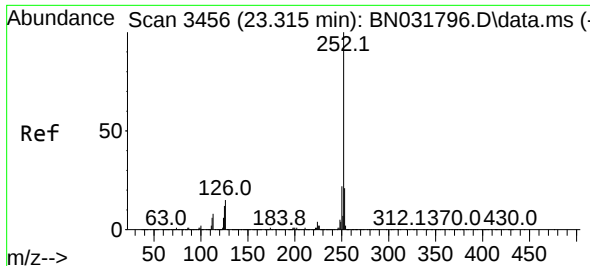


#87
Chrysene
Concen: 17.606 ng/u1 m
RT: 21.345 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BN031803.D
Acq: 05 Jun 2024 17:06



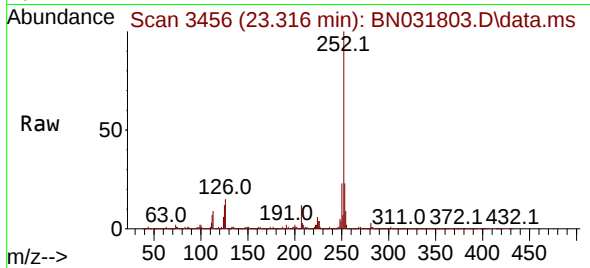
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Ion Ratio Lower Upper
228 100
226 31.6 23.7 35.5
229 23.0 15.1 22.7#





#90
Benzo(b)fluoranthene
Concen: 22.173 ng/u1
RT: 23.316 min Scan# 3456
Delta R.T. 0.006 min
Lab File: BN031803.D
Acq: 05 Jun 2024 17:06

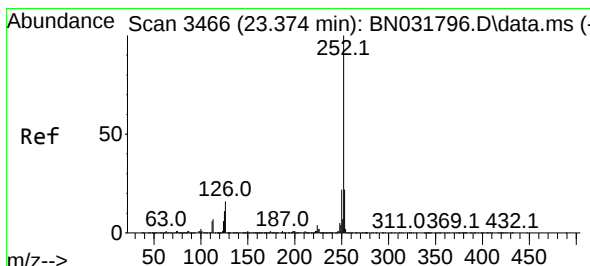
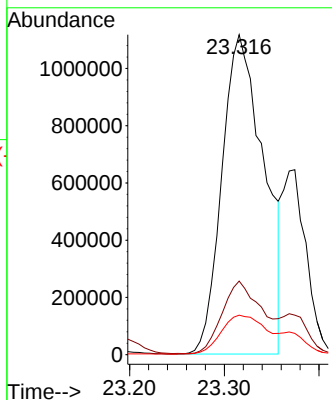
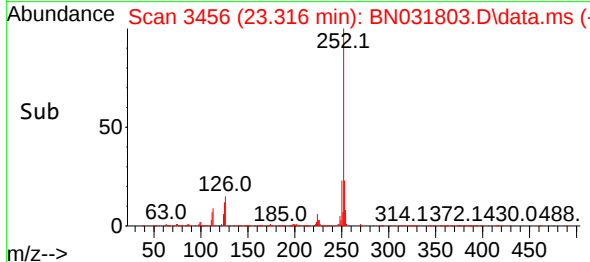
Instrument :
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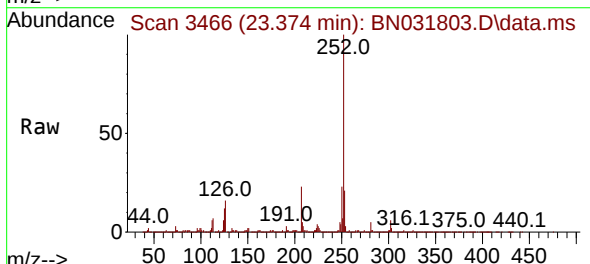
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Ion Ratio Lower Upper
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253 23.0 17.0 25.6
125 12.4 9.2 13.8

Manual Integrations
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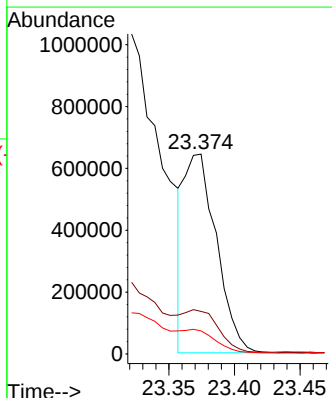
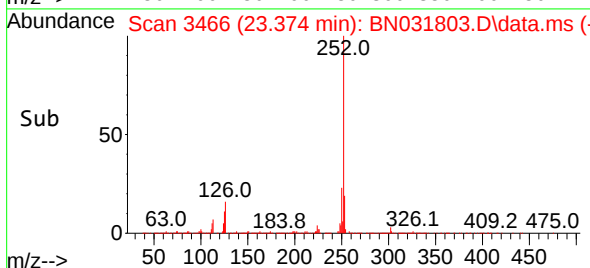
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

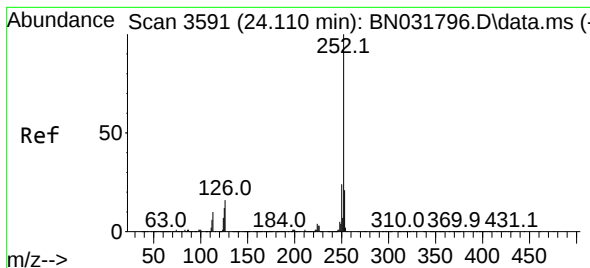


#91
Benzo(k)fluoranthene
Concen: 7.207 ng/u1
RT: 23.374 min Scan# 3466
Delta R.T. 0.000 min
Lab File: BN031803.D
Acq: 05 Jun 2024 17:06



Tgt Ion:252 Resp: 1094096
Ion Ratio Lower Upper
252 100
253 21.3 17.6 26.4
125 11.5 9.4 14.2





#93

Benzo(a)pyrene

Concen: 10.693 ng/ul

RT: 24.104 min Scan# 3591

Delta R.T. 0.000 min

Lab File: BN031803.D

Acq: 05 Jun 2024 17:06

Instrument :

BNA_N

ClientSampleId :

BHBQ3DL

Tgt Ion:252 Resp: 154944

Ion Ratio Lower Upper

252 100

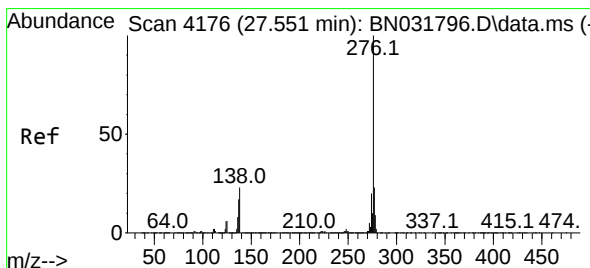
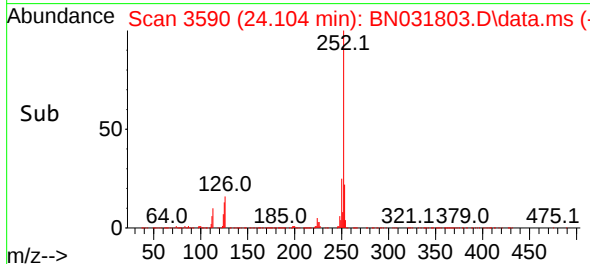
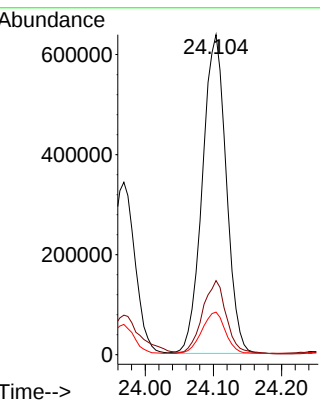
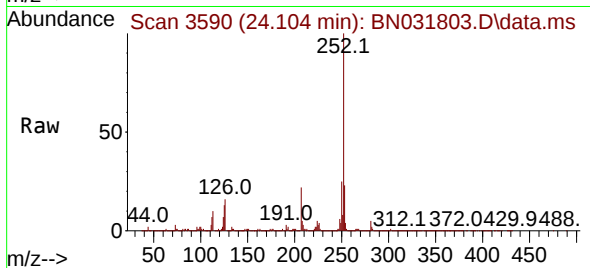
253 23.1 16.6 24.8

125 13.3 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 6.741 ng/ul

RT: 27.545 min Scan# 4175

Delta R.T. 0.012 min

Lab File: BN031803.D

Acq: 05 Jun 2024 17:06

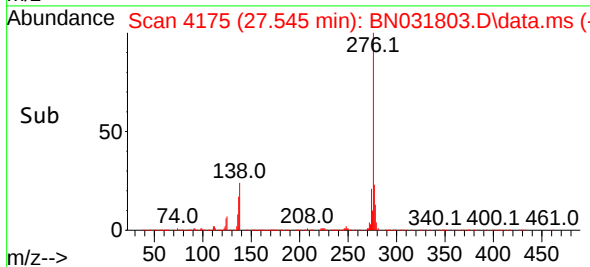
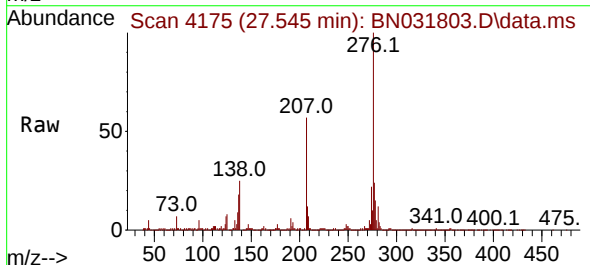
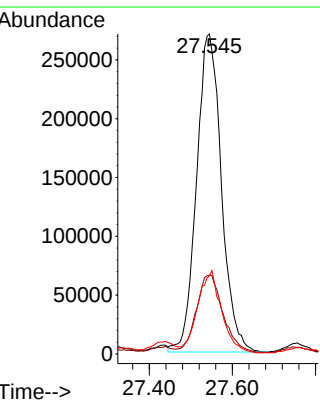
Tgt Ion:276 Resp: 1125610

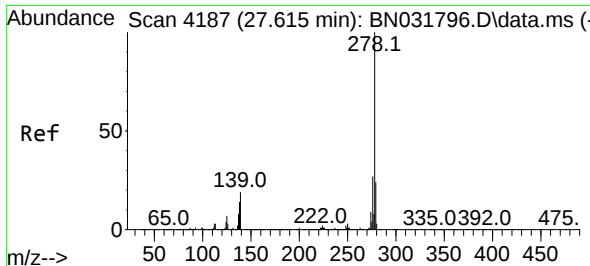
Ion Ratio Lower Upper

276 100

138 24.7 18.1 27.1

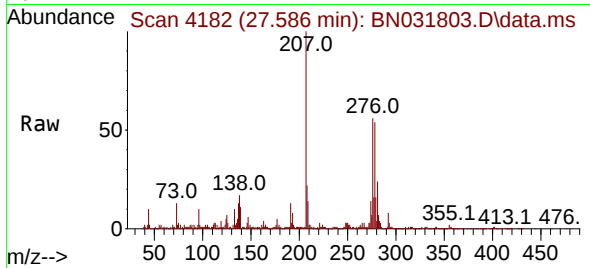
277 24.4 18.2 27.2





#95
Dibenzo(a,h)anthracene
Concen: 2.902 ng/ul m
RT: 27.586 min Scan# 4187
Delta R.T. -0.018 min
Lab File: BN031803.D
Acq: 05 Jun 2024 17:06

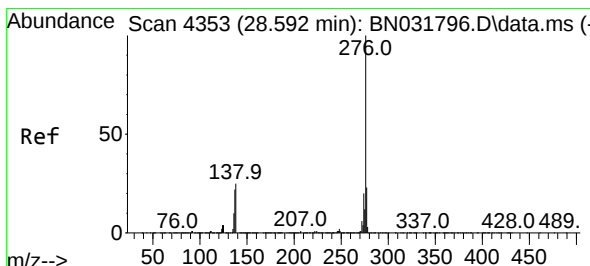
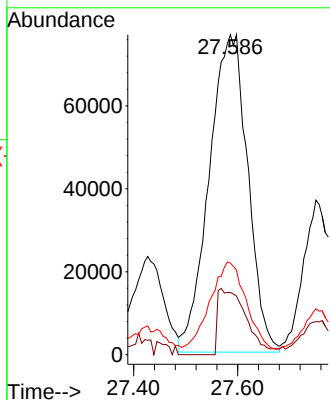
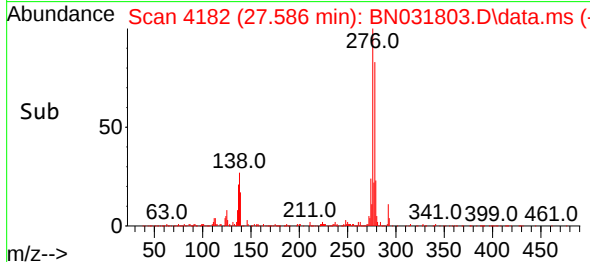
Instrument :
BNA_N
ClientSampleId :
BHBQ3DL



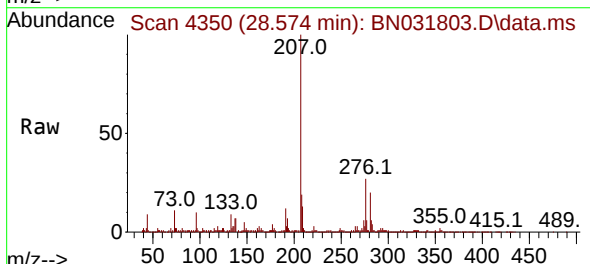
Tgt Ion:278 Resp: 39555
Ion Ratio Lower Upper
278 100
139 19.5 15.0 22.6
279 28.7 17.4 26.0

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#96
Benzo(g,h,i)perylene
Concen: 1.256 ng/ul
RT: 28.574 min Scan# 4350
Delta R.T. 0.006 min
Lab File: BN031803.D
Acq: 05 Jun 2024 17:06



Tgt Ion:276 Resp: 166717
Ion Ratio Lower Upper
276 100
138 26.2 20.9 31.3
277 23.2 18.0 27.0

