

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060824\
 Data File : BN031855.D
 Acq On : 08 Jun 2024 12:34
 Operator : MA/JU
 Sample : P2634-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHBX5

Manual Integrations
 APPROVED

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

Quant Time: Jun 10 02:38:32 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	360544	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.451	136	1550762	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.316	164	967667	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.063	188	1972512	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1161110	20.000	ng/u1	0.00
88) Perylene-d12	24.251	264	1344378	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.181	96	45748	5.249	ng/uL	-0.01
4) Pyridine-d5	3.587	84	529461	21.582	ng/u1	-0.01
7) Phenol-d5	6.846	99	959434	31.041	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.010	67	525877	29.087	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.205	132	789534	33.478	ng/u1	-0.01
15) 4-Methylphenol-d8	8.381	113	678317	26.922	ng/u1	0.00
21) Nitrobenzene-d5	8.828	128	395071	33.319	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.546	143	428780	35.007	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.081	165	722778	31.609	ng/u1	0.00
31) 4-Chloroaniline-d4	10.598	131	778227	22.922	ng/u1	-0.01
46) Dimethylphthalate-d6	13.728	166	2008812	29.798	ng/u1	-0.02
49) Acenaphthylene-d8	14.010	160	2538385	32.747	ng/u1	0.00
54) 4-Nitrophenol-d4	14.534	143	376923	27.925	ng/u1	0.00
60) Fluorene-d10	15.310	176	1808987	31.714	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.439	200	181372	18.293	ng/u1	0.00
73) Anthracene-d10	17.163	188	2729342	32.320	ng/u1	0.00
81) Pyrene-d10	19.469	212	2504255	40.304	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.051	264	2068715	32.226	ng/u1	0.01
Target Compounds					Qvalue	
30) Naphthalene	10.504	128	92981	1.159	ng/u1	99
50) Acenaphthylene	14.034	152	510577	5.828	ng/u1	99
52) Acenaphthene	14.375	153	71196	1.228	ng/u1	97
56) Dibenzofuran	14.716	168	95317	1.210	ng/u1	99
61) Fluorene	15.369	166	130879	2.064	ng/u1	95
72) Phenanthrene	17.110	178	4867496	48.441	ng/u1	99
74) Anthracene	17.198	178	761378	7.478	ng/u1	98
77) Carbazole	17.469	167	683263	7.870	ng/u1	99
80) Fluoranthene	19.133	202	8501696	114.492	ng/u1	97
82) Pyrene	19.498	202	7612288	99.917	ng/u1	96
85) Benzo(a)anthracene	21.286	228	3535400	45.490	ng/u1	98
87) Chrysene	21.345	228	4007383	55.203	ng/u1	98
90) Benzo(b)fluoranthene	23.327	252	4719619	58.733	ng/u1	99
91) Benzo(k)fluoranthene	23.374	252	1794762m	22.761	ng/u1	
93) Benzo(a)pyrene	24.110	252	3359387	44.636	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	27.556	276	2536620	29.249	ng/u1	96
95) Dibenzo(a,h)anthracene	27.592	278	658516	9.300	ng/u1	95
96) Benzo(g,h,i)perylene	28.603	276	2460457m	35.689	ng/u1	

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

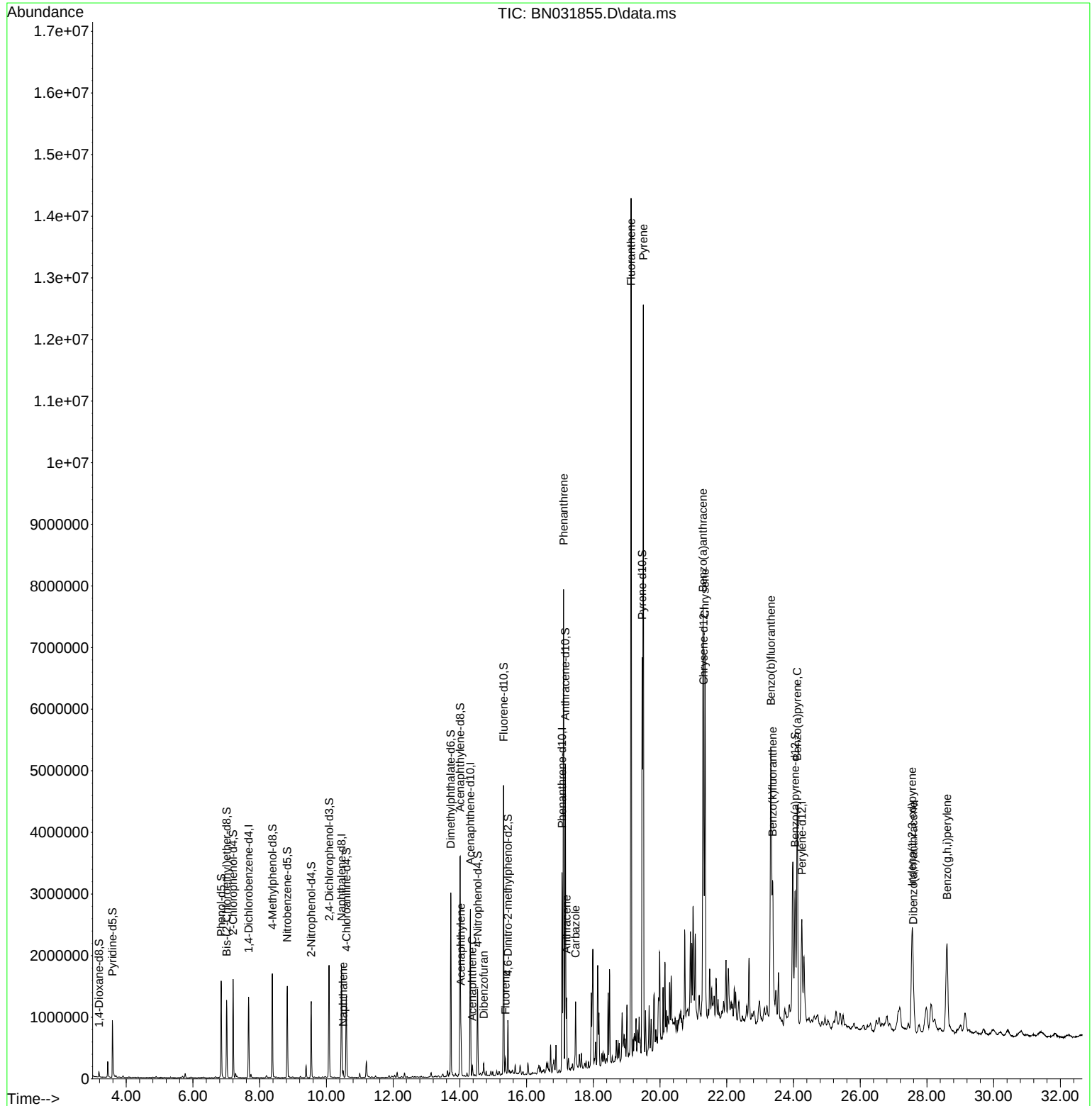
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060824\
 Data File : BN031855.D
 Acq On : 08 Jun 2024 12:34
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 ALS Vial : 6 Sample Multiplier: 1

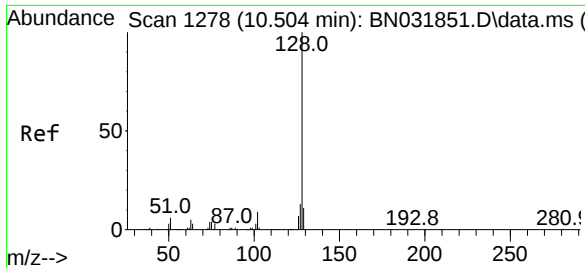
Instrument :
 BNA_N
 ClientSampleId :
 BHBX5

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

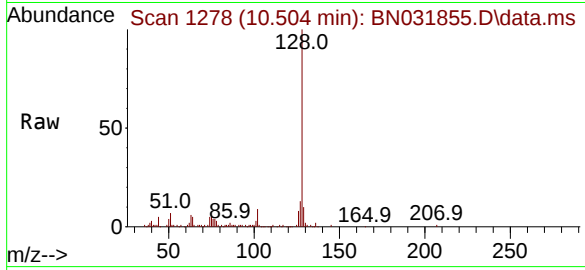
Quant Time: Jun 10 02:38:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 29 15:13:07 2024
 Response via : Initial Calibration





#30
Naphthalene
Concen: 1.159 ng/ul
RT: 10.504 min Scan# 1278
Delta R.T. -0.012 min
Lab File: BN031855.D
Acq: 08 Jun 2024 12:34

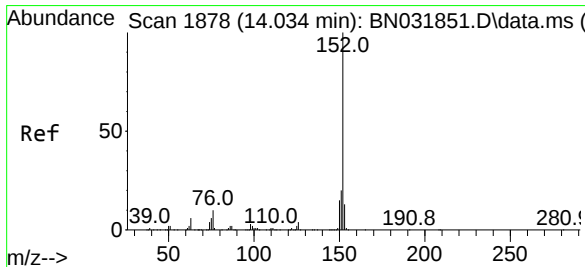
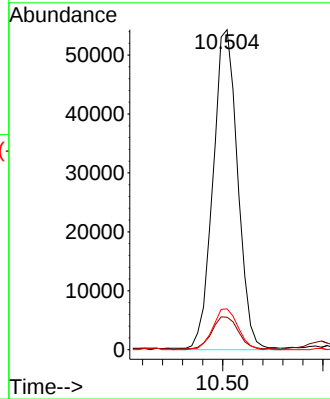
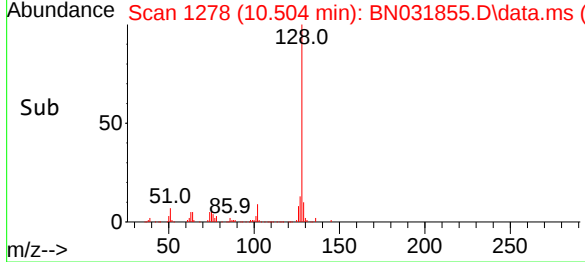
Instrument :
BNA_N
ClientSampleId :
BHBX5



Tgt Ion:128 Resp: 9298
Ion Ratio Lower Upper
128 100
129 10.2 8.5 12.7
127 12.7 10.3 15.5

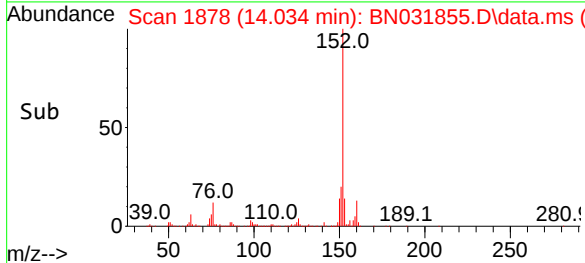
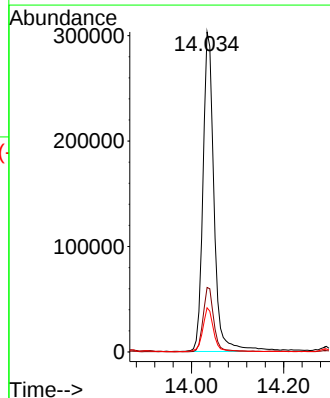
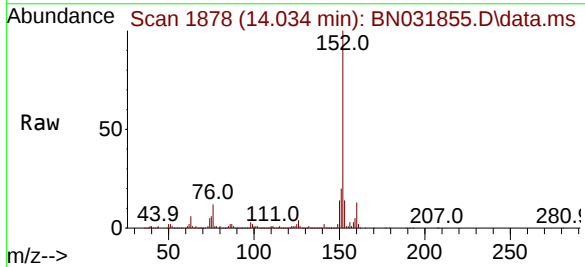
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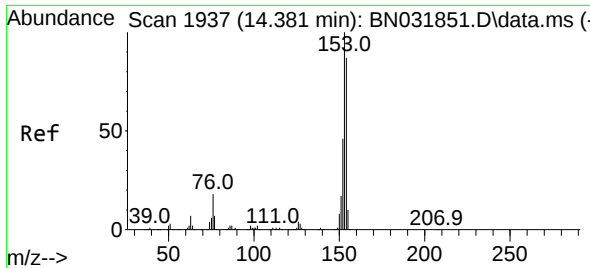
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#50
Acenaphthylene
Concen: 5.828 ng/ul
RT: 14.034 min Scan# 1878
Delta R.T. -0.012 min
Lab File: BN031855.D
Acq: 08 Jun 2024 12:34

Tgt Ion:152 Resp: 510577
Ion Ratio Lower Upper
152 100
151 20.2 15.9 23.9
153 13.8 10.4 15.6





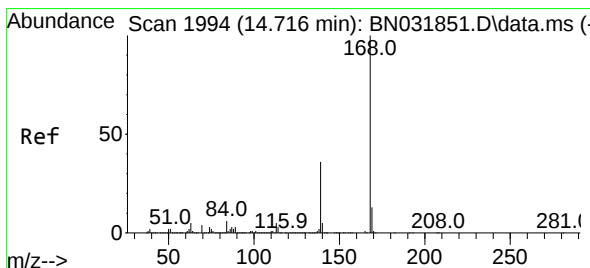
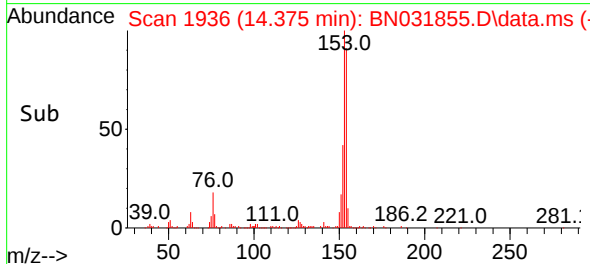
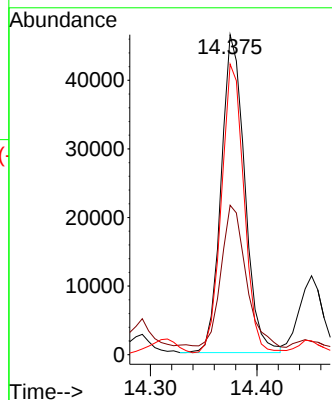
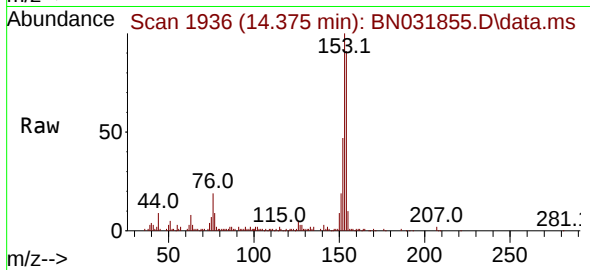
#52
Acenaphthene
Concen: 1.228 ng/ul
RT: 14.375 min Scan# 1936
Delta R.T. -0.012 min
Lab File: BN031855.D
Acq: 08 Jun 2024 12:34

Instrument :
BNA_N
ClientSampleId :
BHBX5

Tgt Ion:153 Resp: 71190
Ion Ratio Lower Upper
153 100
152 46.7 37.8 56.6
154 90.8 69.8 104.8

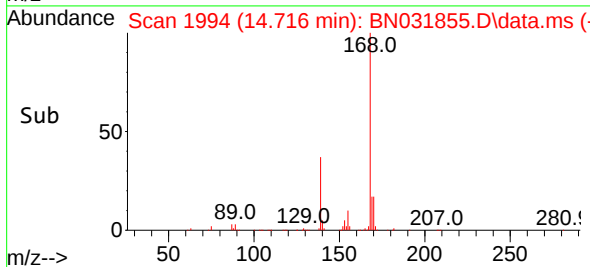
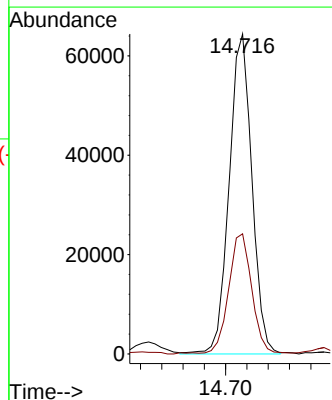
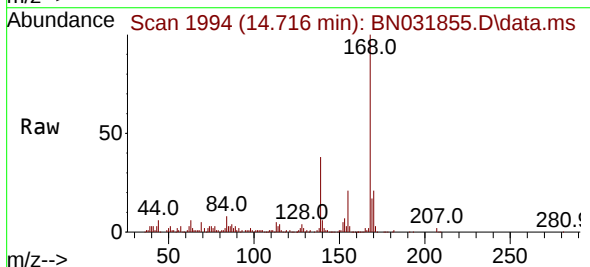
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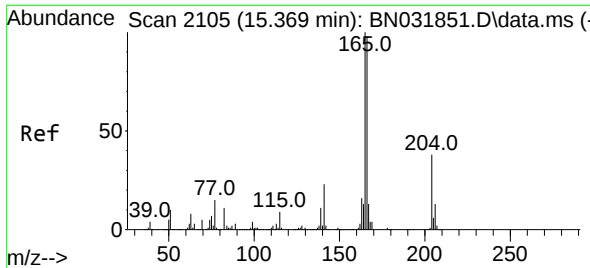
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#56
Dibenzofuran
Concen: 1.210 ng/ul
RT: 14.716 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BN031855.D
Acq: 08 Jun 2024 12:34

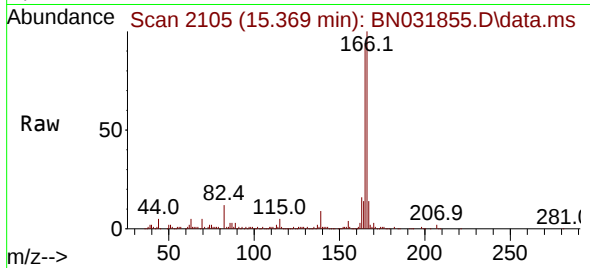
Tgt Ion:168 Resp: 95317
Ion Ratio Lower Upper
168 100
139 37.5 29.4 44.0





#61
Fluorene
Concen: 2.064 ng/ul
RT: 15.369 min Scan# 2105
Delta R.T. -0.006 min
Lab File: BN031855.D
Acq: 08 Jun 2024 12:34

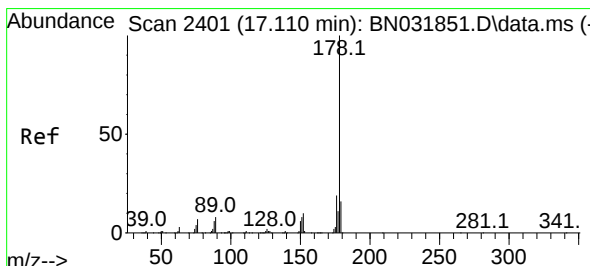
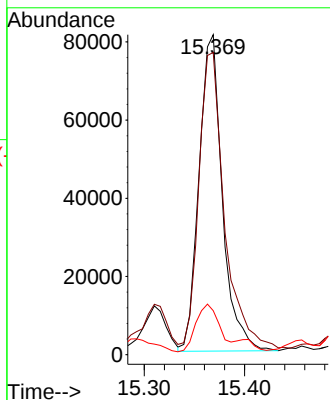
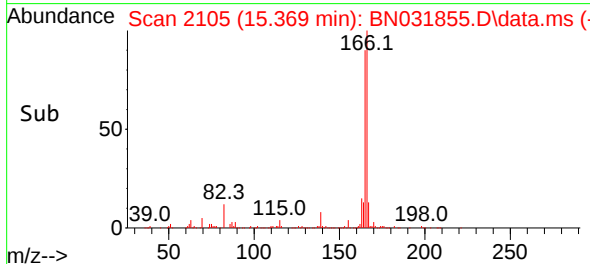
Instrument :
BNA_N
ClientSampleId :
BHBX5



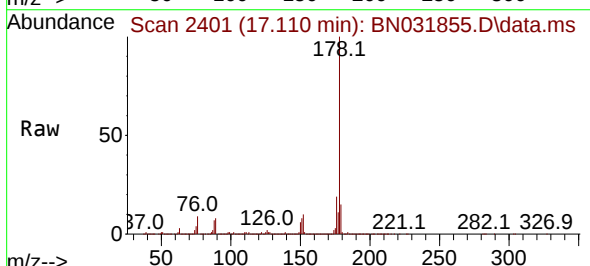
Tgt Ion:166 Resp: 130879
Ion Ratio Lower Upper
166 100
165 94.4 80.3 120.5
167 13.8 11.3 16.9

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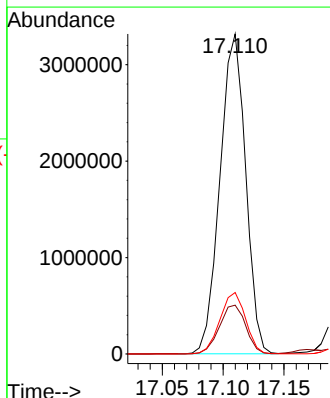
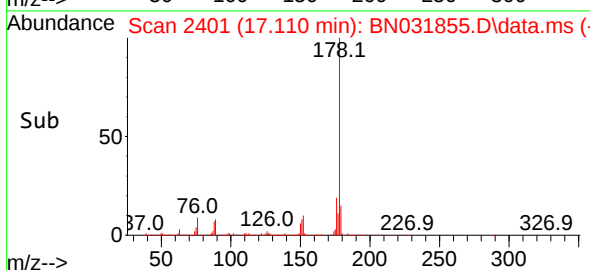
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

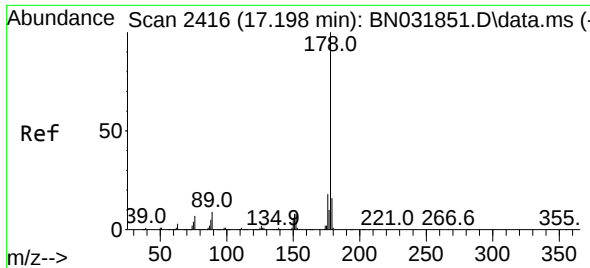


#72
Phenanthrene
Concen: 48.441 ng/ul
RT: 17.110 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BN031855.D
Acq: 08 Jun 2024 12:34



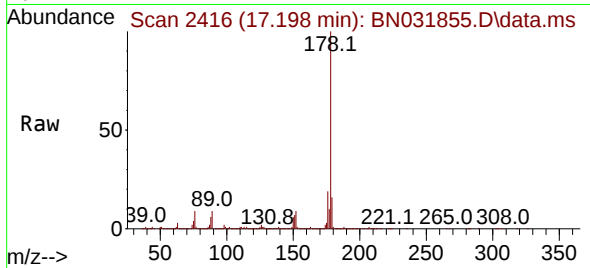
Tgt Ion:178 Resp: 4867496
Ion Ratio Lower Upper
178 100
179 15.3 12.6 19.0
176 19.2 15.8 23.6





#74
 Anthracene
 Concen: 7.478 ng/u1
 RT: 17.198 min Scan# 2416
 Delta R.T. -0.006 min
 Lab File: BN031855.D
 Acq: 08 Jun 2024 12:34

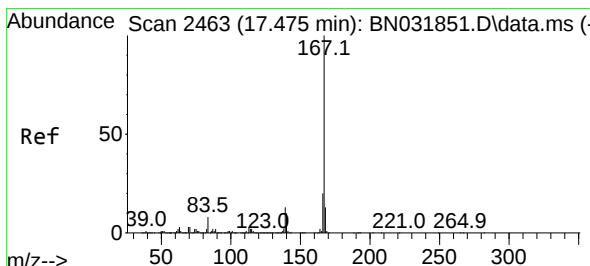
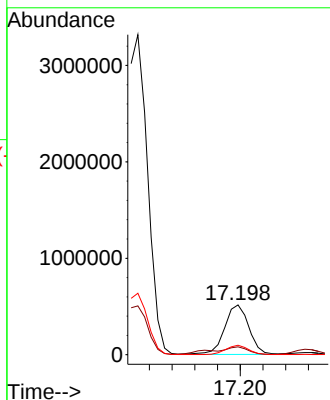
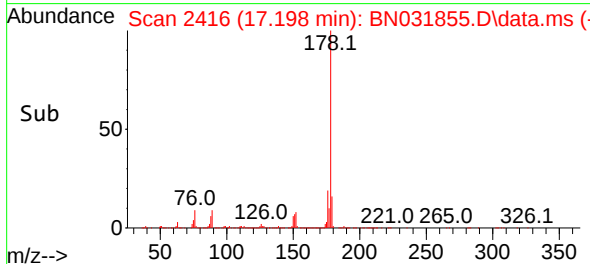
Instrument :
 BNA_N
 ClientSampleId :
 BHBX5



Tgt Ion:178 Resp: 761378
 Ion Ratio Lower Upper
 178 100
 179 15.6 11.8 17.6
 176 19.1 14.8 22.2

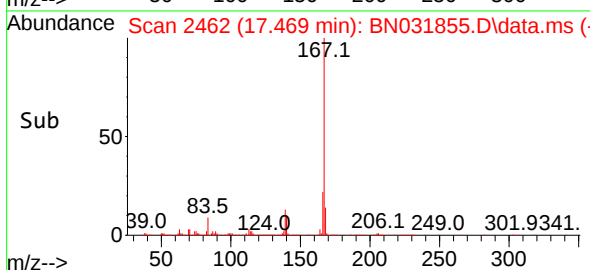
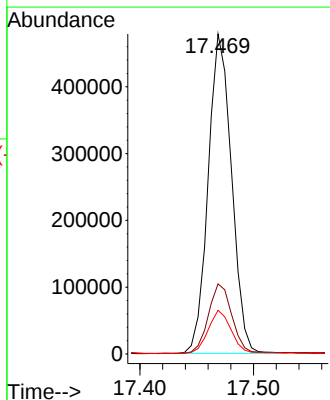
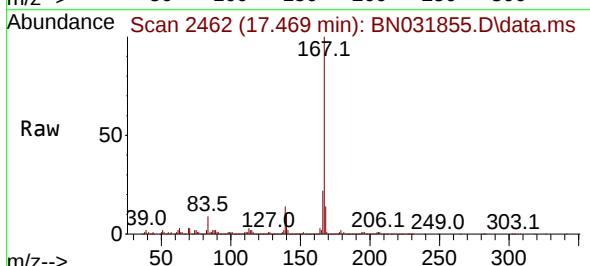
Manual Integrations
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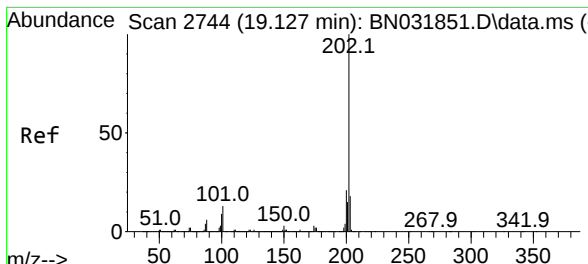
Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/10/2024



#77
 Carbazole
 Concen: 7.870 ng/u1
 RT: 17.469 min Scan# 2462
 Delta R.T. -0.006 min
 Lab File: BN031855.D
 Acq: 08 Jun 2024 12:34

Tgt Ion:167 Resp: 683263
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.9 26.9
 139 13.7 10.5 15.7





#80
 Fluoranthene
 Concen: 114.492 ng/ul
 RT: 19.133 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BN031855.D
 Acq: 08 Jun 2024 12:34

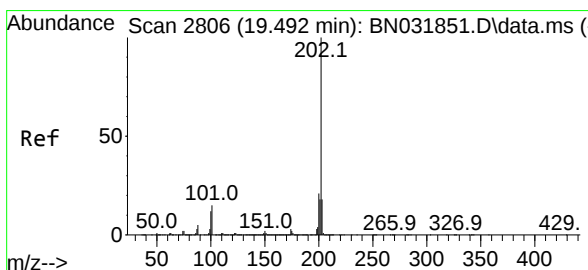
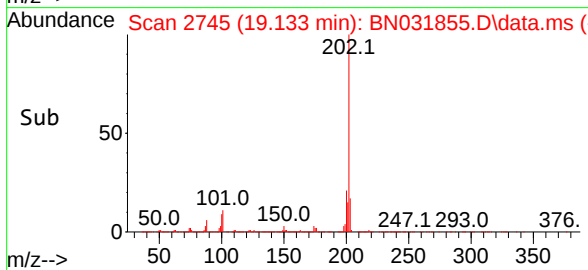
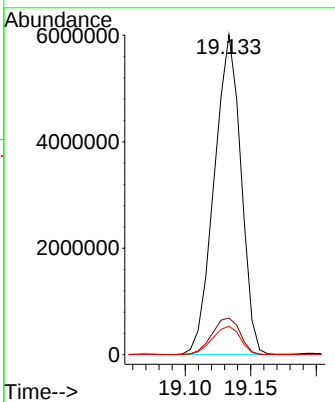
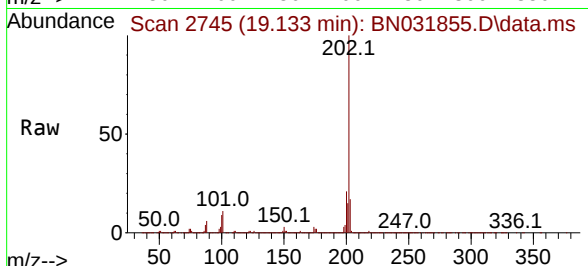
Instrument : BNA_N
 ClientSampleId : BHBX5

Tgt Ion:202 Resp: 8501690

Ion	Ratio	Lower	Upper
202	100		
101	11.4	10.3	15.5
100	8.8	8.0	12.0

Manual Integrations
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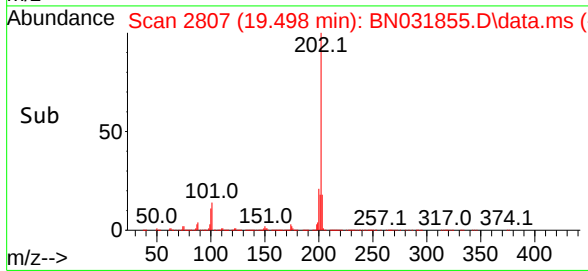
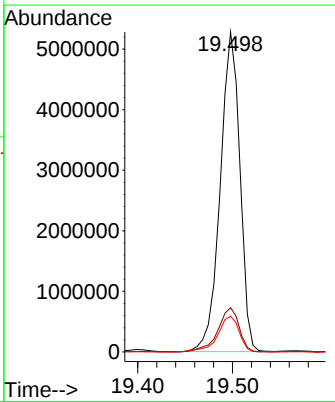
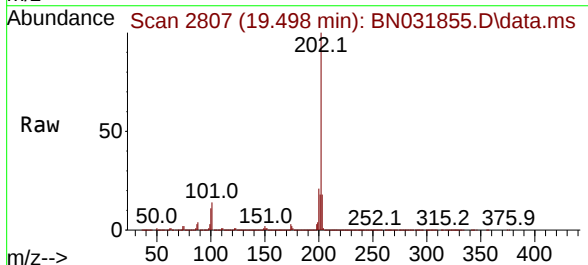
Reviewed By :Yogesh Patel 06/10/2024
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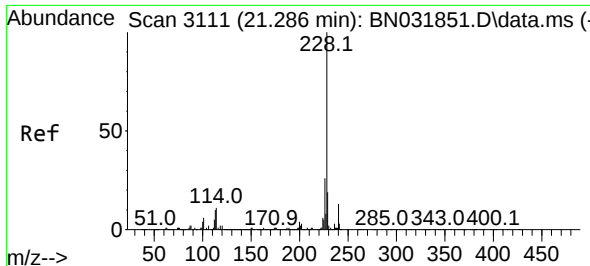


#82
 Pyrene
 Concen: 99.917 ng/ul
 RT: 19.498 min Scan# 2807
 Delta R.T. 0.006 min
 Lab File: BN031855.D
 Acq: 08 Jun 2024 12:34

Tgt Ion:202 Resp: 7612288

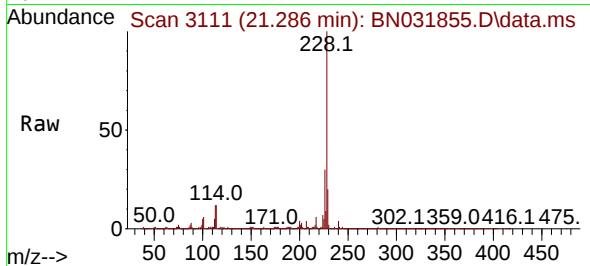
Ion	Ratio	Lower	Upper
202	100		
101	13.8	12.6	18.8
100	11.2	10.2	15.2





#85
Benzo(a)anthracene
Concen: 45.490 ng/ul
RT: 21.286 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BN031855.D
Acq: 08 Jun 2024 12:34

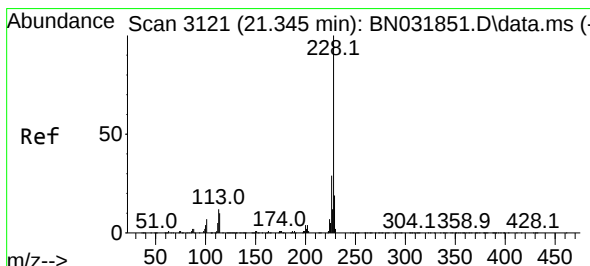
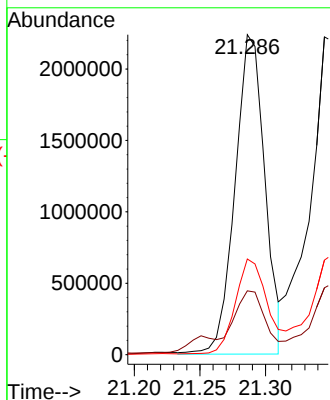
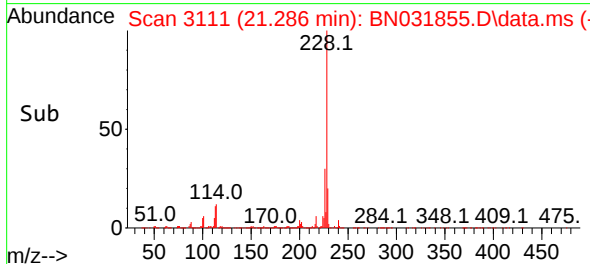
Instrument :
BNA_N
ClientSampleId :
BHBX5



Tgt Ion:228 Resp: 3535400
Ion Ratio Lower Upper
228 100
229 20.0 16.7 25.1
226 29.9 22.8 34.2

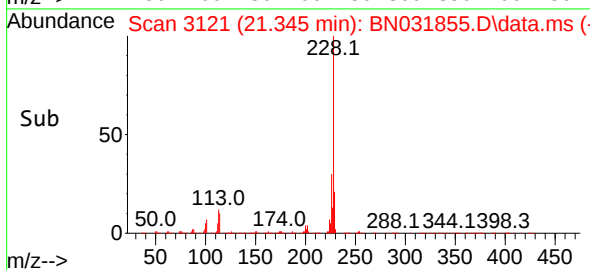
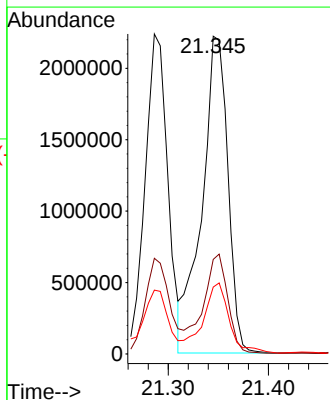
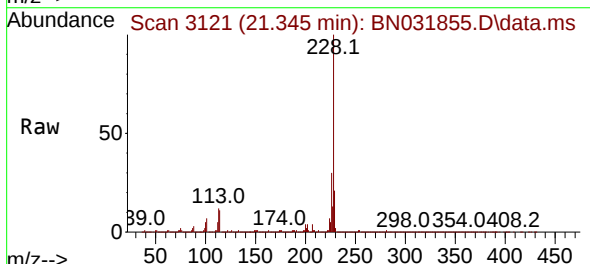
Manual Integrations
APPROVED

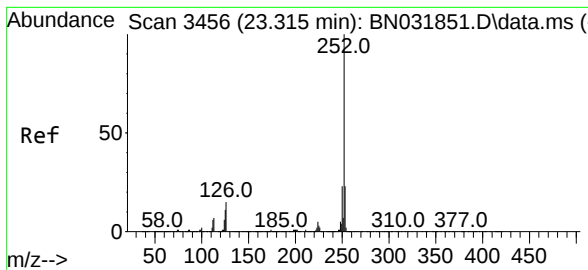
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#87
Chrysene
Concen: 55.203 ng/ul
RT: 21.345 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BN031855.D
Acq: 08 Jun 2024 12:34

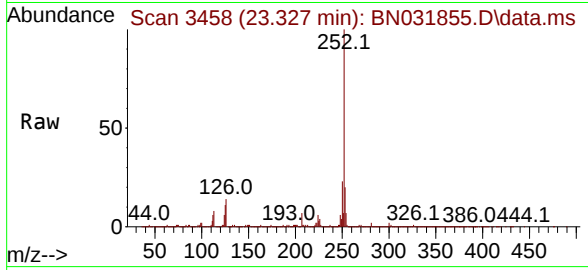
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Ion Ratio Lower Upper
228 100
226 29.7 23.7 35.5
229 21.0 15.1 22.7





#90
Benzo(b)fluoranthene
Concen: 58.733 ng/ul
RT: 23.327 min Scan# 3458
Delta R.T. 0.017 min
Lab File: BN031855.D
Acq: 08 Jun 2024 12:34

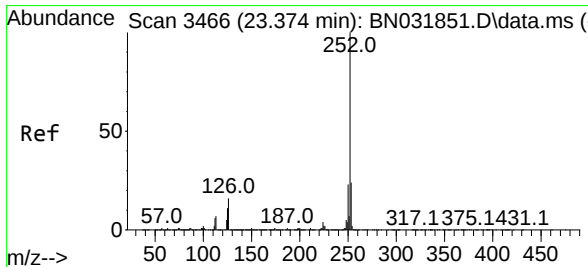
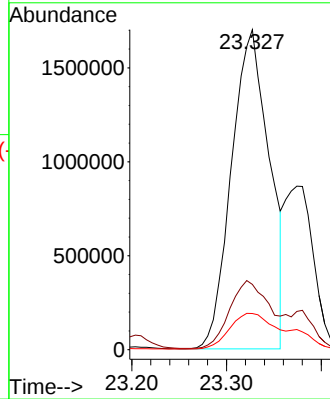
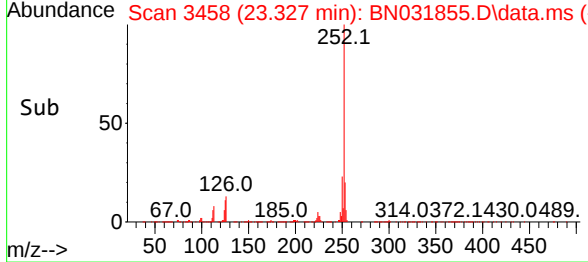
Instrument :
BNA_N
ClientSampleId :
BHBX5



Tgt Ion:252 Resp: 4719619
Ion Ratio Lower Upper
252 100
253 20.4 17.0 25.6
125 11.3 9.2 13.8

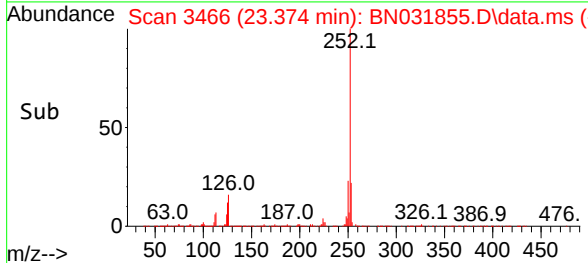
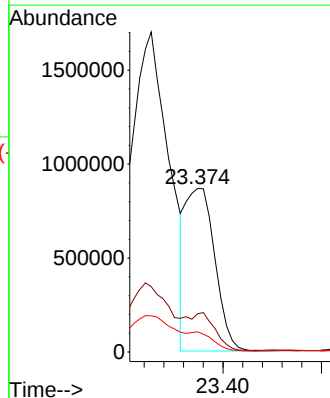
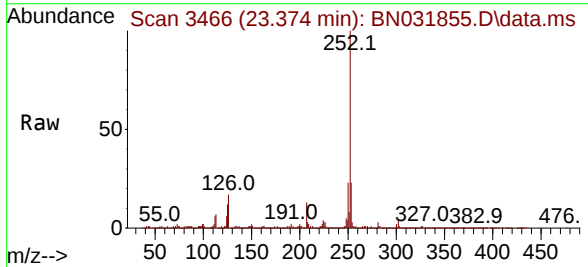
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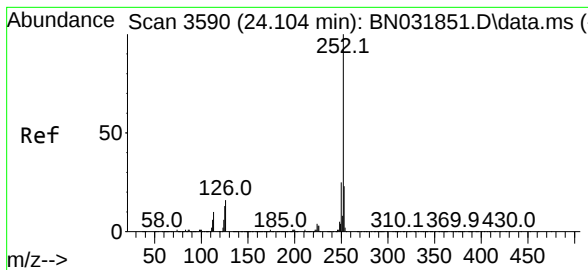
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#91
Benzo(k)fluoranthene
Concen: 22.761 ng/ul m
RT: 23.374 min Scan# 3466
Delta R.T. -0.000 min
Lab File: BN031855.D
Acq: 08 Jun 2024 12:34

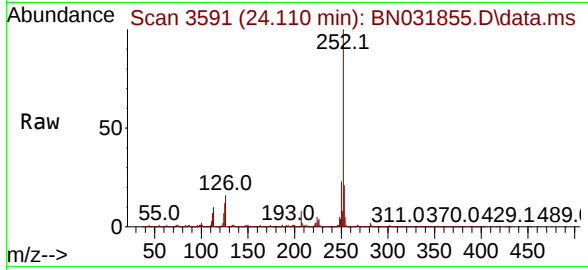
Tgt Ion:252 Resp: 1794762
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 12.4 9.4 14.2





#93
 Benzo(a)pyrene
 Concen: 44.636 ng/ul
 RT: 24.110 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: BN031855.D
 Acq: 08 Jun 2024 12:34

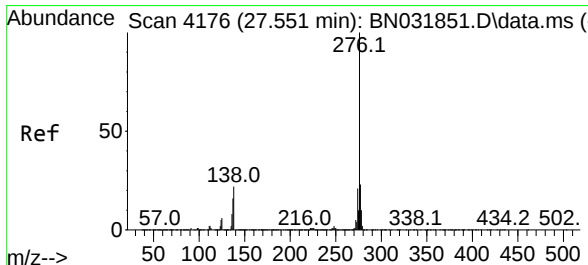
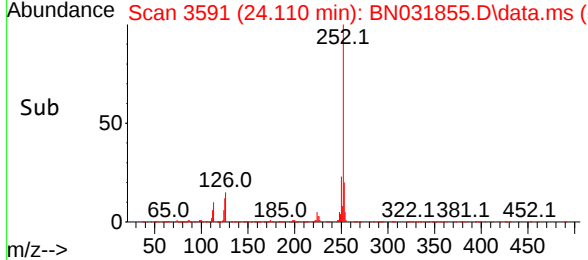
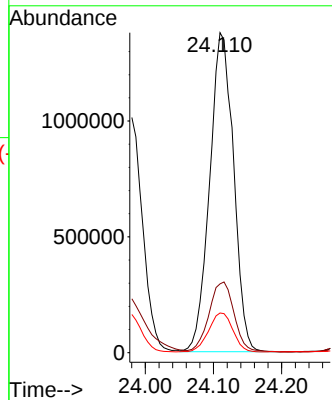
Instrument : BNA_N
 ClientSampleId : BHBX5



Tgt Ion:252 Resp: 335938

Ion	Ratio	Lower	Upper
252	100		
253	21.5	16.6	24.8
125	12.4	9.8	14.8

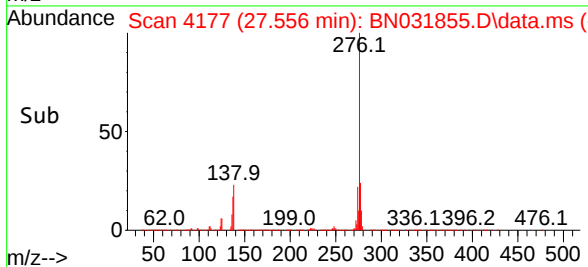
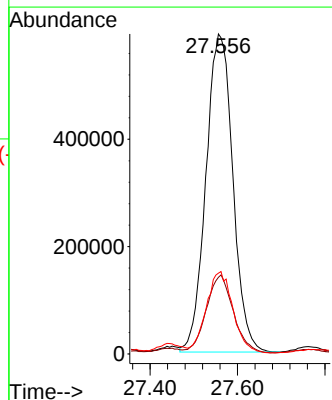
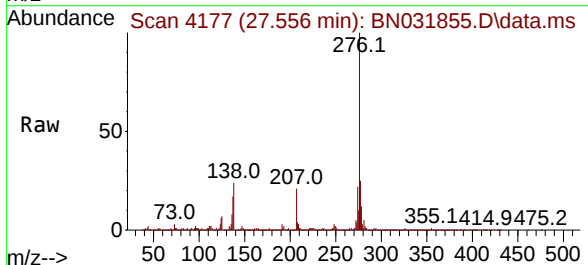
Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/10/2024

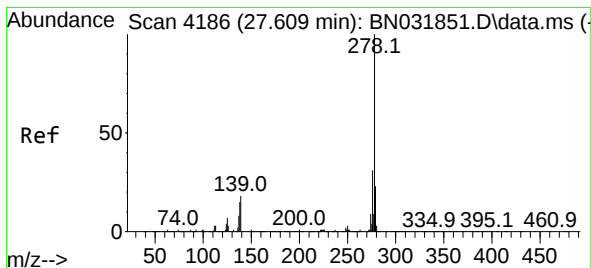


#94
 Indeno(1,2,3-cd)pyrene
 Concen: 29.249 ng/ul
 RT: 27.556 min Scan# 4177
 Delta R.T. 0.023 min
 Lab File: BN031855.D
 Acq: 08 Jun 2024 12:34

Tgt Ion:276 Resp: 2536620

Ion	Ratio	Lower	Upper
276	100		
138	24.0	18.1	27.1
277	25.3	18.2	27.2





#95

Dibenzo(a,h)anthracene

Concen: 9.300 ng/ul

RT: 27.592 min Scan# 4186

Delta R.T. -0.012 min

Lab File: BN031855.D

Acq: 08 Jun 2024 12:34

Instrument :

BNA_N

ClientSampleId :

BHBX5

Tgt Ion:278 Resp: 658510

Ion Ratio Lower Upper

278 100

139 19.0 15.0 22.6

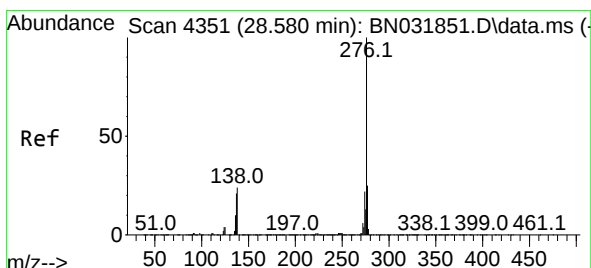
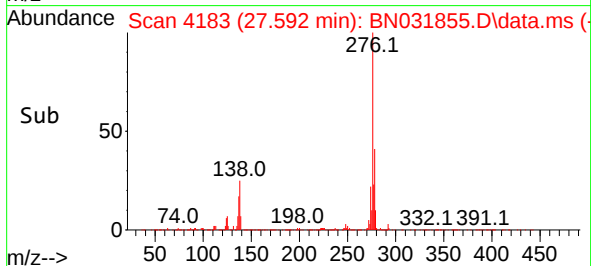
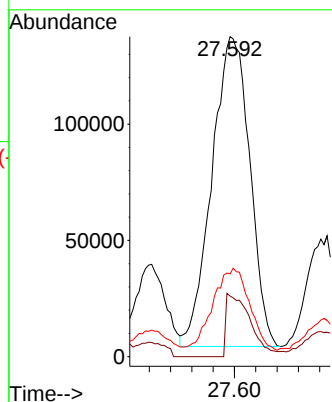
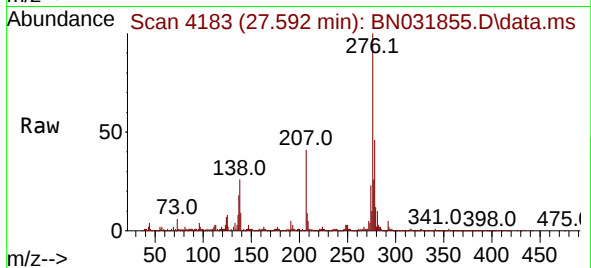
279 25.8 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#96

Benzo(g,h,i)perylene

Concen: 35.689 ng/ul m

RT: 28.603 min Scan# 4355

Delta R.T. 0.035 min

Lab File: BN031855.D

Acq: 08 Jun 2024 12:34

Tgt Ion:276 Resp: 2460457

Ion Ratio Lower Upper

276 100

138 23.9 20.9 31.3

277 23.3 18.0 27.0

