

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
 Data File : BN031804.D
 Acq On : 05 Jun 2024 17:45
 Operator : MA/JU
 Sample : P2591-13DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHBQ4DL

Manual Integrations
 APPROVED

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

Quant Time: Jun 06 01:06:10 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	297956	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.457	136	1383910	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.316	164	940365	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.069	188	2014641	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	2060521	20.000	ng/u1	0.00
88) Perylene-d12	24.239	264	2487456	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.187	96	7663	1.064	ng/uL	0.00
4) Pyridine-d5	3.599	84	59204	2.920	ng/u1	0.00
7) Phenol-d5	6.846	99	184719	7.232	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.016	67	98837	6.615	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.204	132	140156	7.191	ng/u1	-0.01
15) 4-Methylphenol-d8	8.375	113	146679	7.045	ng/u1	-0.01
21) Nitrobenzene-d5	8.828	128	70831	6.694	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.546	143	73811	6.753	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.081	165	143152	7.015	ng/u1	0.00
31) 4-Chloroaniline-d4	10.598	131	152868	5.046	ng/u1	-0.01
46) Dimethylphthalate-d6	13.734	166	473343	7.225	ng/u1	-0.01
49) Acenaphthylene-d8	14.010	160	545998	7.248	ng/u1	0.00
54) 4-Nitrophenol-d4	14.528	143	79708	6.077	ng/u1	0.00
60) Fluorene-d10	15.310	176	425009	7.667	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.163	188	672998	7.803	ng/u1	0.00
81) Pyrene-d10	19.463	212	763540	6.925	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.033	264	693177	5.836	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.504	128	153869	2.148	ng/u1	99
36) 2-Methylnaphthalene	12.122	142	49144	1.004	ng/u1	92
52) Acenaphthene	14.381	153	96173	1.707	ng/u1	99
56) Dibenzofuran	14.716	168	174816	2.284	ng/u1	94
61) Fluorene	15.369	166	116189	1.885	ng/u1	98
72) Phenanthrene	17.110	178	3299019	32.145	ng/u1	100
74) Anthracene	17.198	178	662791	6.374	ng/u1	99
77) Carbazole	17.469	167	471472	5.317	ng/u1	98
80) Fluoranthene	19.127	202	5218592	39.602	ng/u1	99
82) Pyrene	19.492	202	3868823	28.615	ng/u1	99
85) Benzo(a)anthracene	21.286	228	2603537	18.877	ng/u1	98
87) Chrysene	21.345	228	2331191	18.096	ng/u1	96
90) Benzo(b)fluoranthene	23.315	252	3239150	21.786	ng/u1	98
91) Benzo(k)fluoranthene	23.368	252	1040133	7.129	ng/u1	99
93) Benzo(a)pyrene	24.104	252	1408556	10.115	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	27.545	276	982108	6.120	ng/u1	94
95) Dibenzo(a,h)anthracene	27.580	278	342262	2.613	ng/u1#	91
96) Benzo(g,h,i)perylene	28.574	276	129990m	1.019	ng/u1	

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

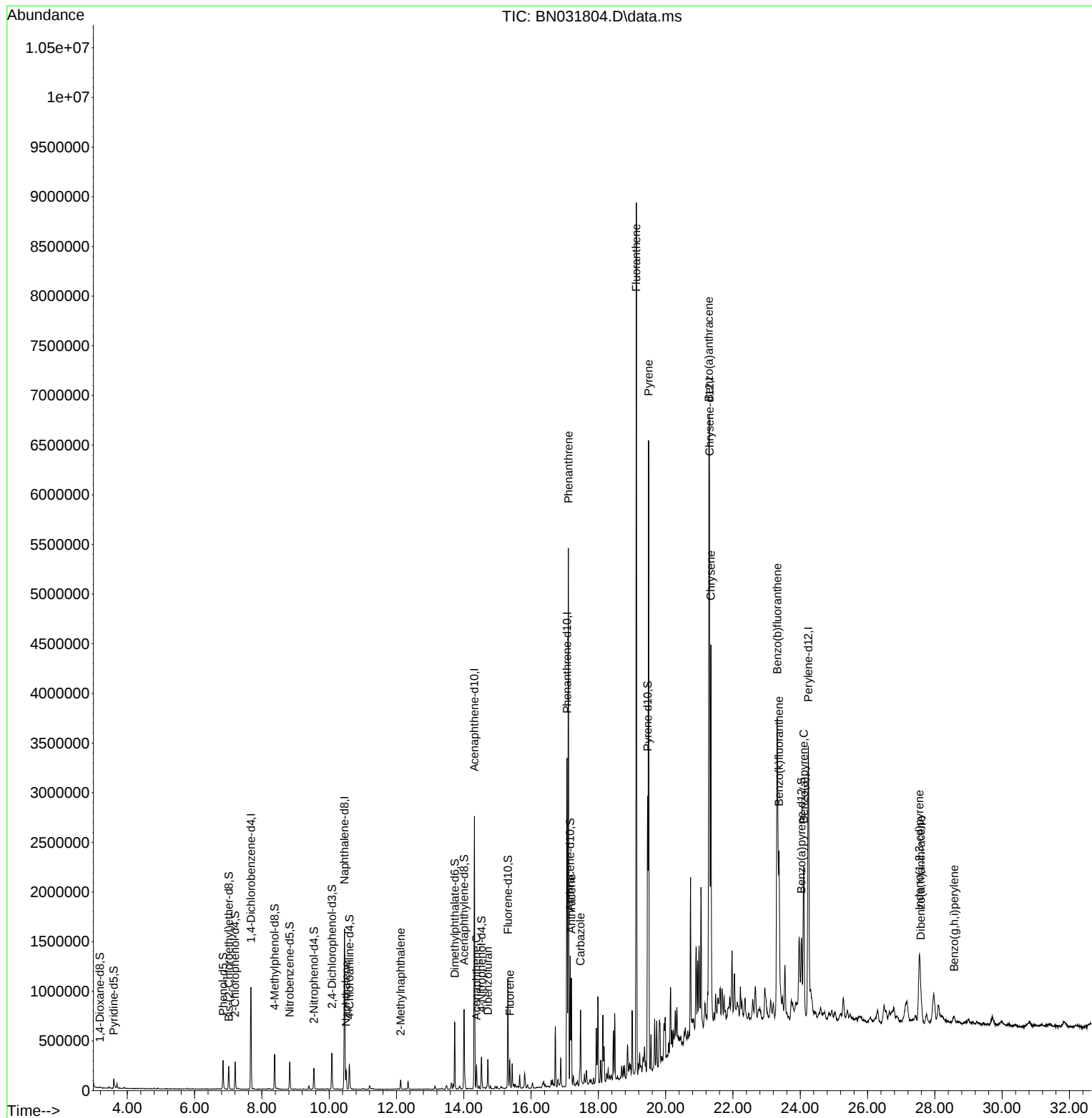
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
 Data File : BN031804.D
 Acq On : 05 Jun 2024 17:45
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 ALS Vial : 9 Sample Multiplier: 1

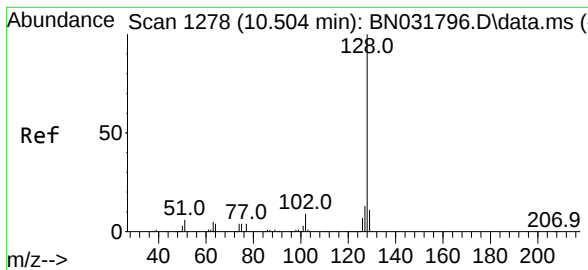
Instrument :
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 Supervised By :mohammad ahmed 06/07/2024

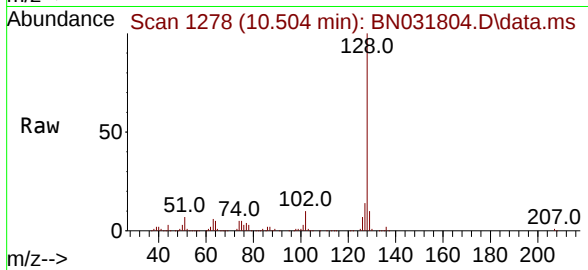
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 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 29 15:13:07 2024
 Response via : Initial Calibration





#30
Naphthalene
Concen: 2.148 ng/ul
RT: 10.504 min Scan# 15386
Delta R.T. -0.012 min
Lab File: BN031804.D
Acq: 05 Jun 2024 17:45

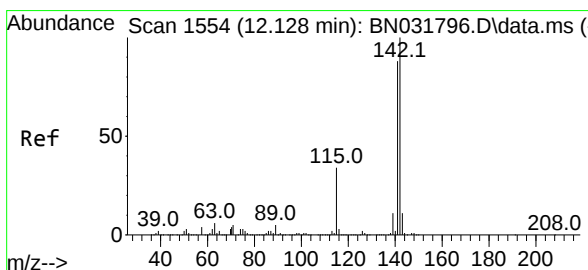
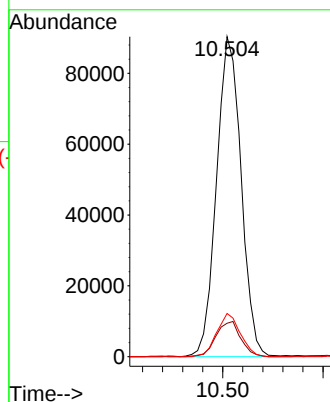
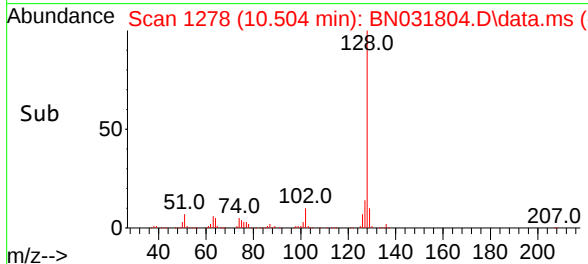
Instrument :
BNA_N
ClientSampleId :
BHBQ4DL



Tgt Ion:128 Resp: 15386
Ion Ratio Lower Upper
128 100
129 10.4 8.5 12.7
127 13.5 10.3 15.5

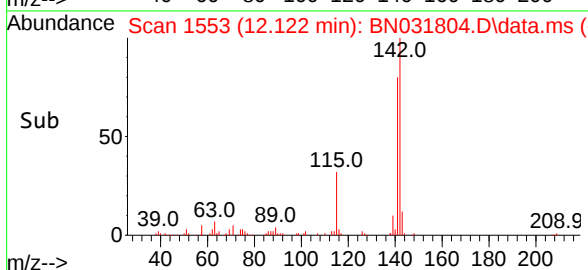
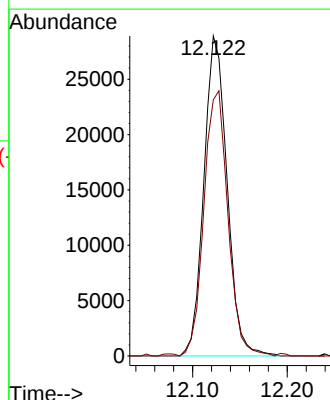
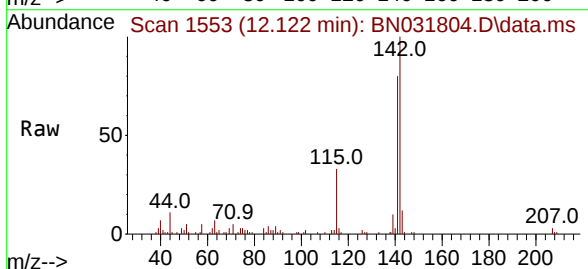
Manual Integrations
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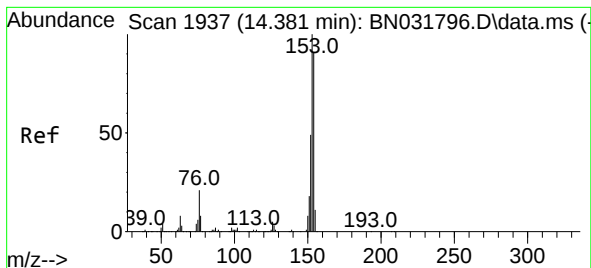
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#36
2-Methylnaphthalene
Concen: 1.004 ng/ul
RT: 12.122 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BN031804.D
Acq: 05 Jun 2024 17:45

Tgt Ion:142 Resp: 49144
Ion Ratio Lower Upper
142 100
141 80.0 70.1 105.1





#52

Acenaphthene

Concen: 1.707 ng/ul

RT: 14.381 min Scan# 1937

Delta R.T. -0.006 min

Lab File: BN031804.D

Acq: 05 Jun 2024 17:45

Instrument :

BNA_N

ClientSampleId :

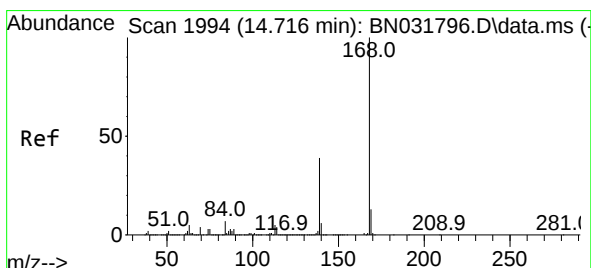
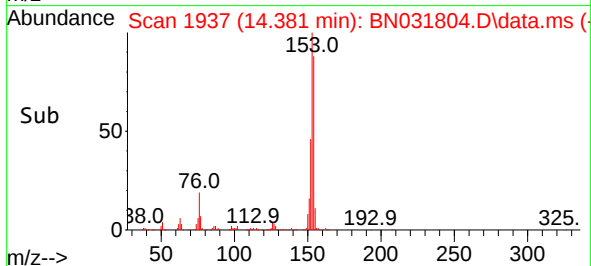
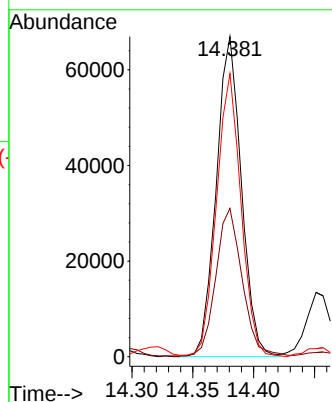
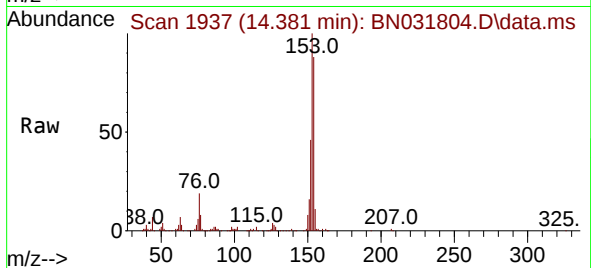
BHBQ4DL

Tgt Ion:	153	Resp:	9617
Ion Ratio	Lower	Upper	
153	100		
152	46.4	37.8	56.6
154	88.5	69.8	104.8

Manual Integrations

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



#56

Dibenzofuran

Concen: 2.284 ng/ul

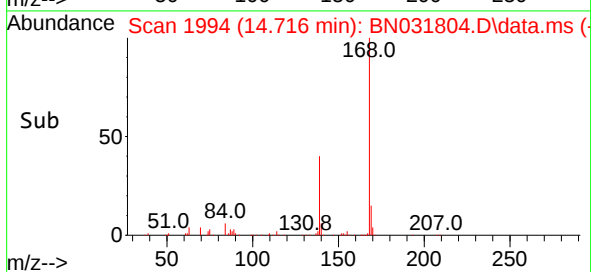
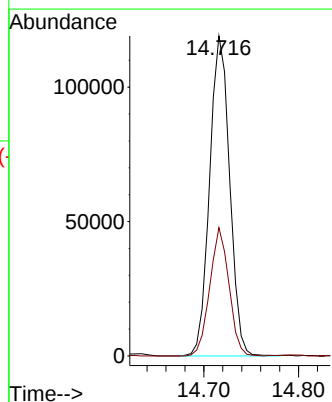
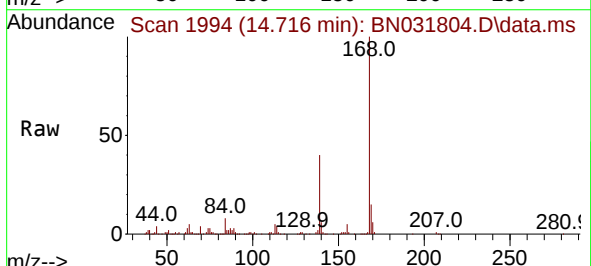
RT: 14.716 min Scan# 1994

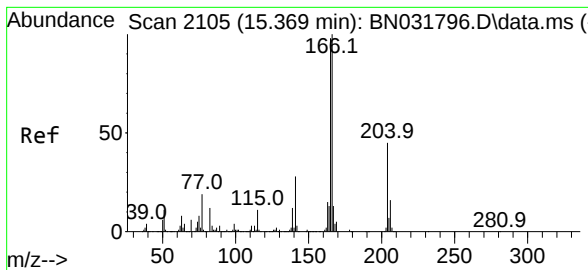
Delta R.T. -0.012 min

Lab File: BN031804.D

Acq: 05 Jun 2024 17:45

Tgt Ion:	168	Resp:	174816
Ion Ratio	Lower	Upper	
168	100		
139	40.1	29.4	44.0





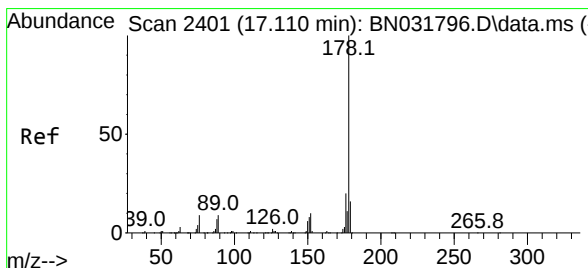
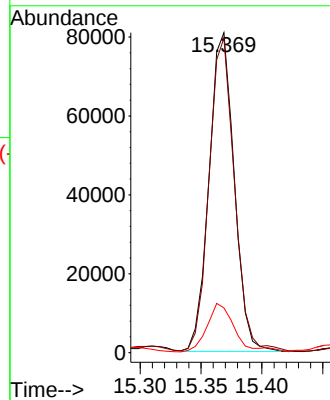
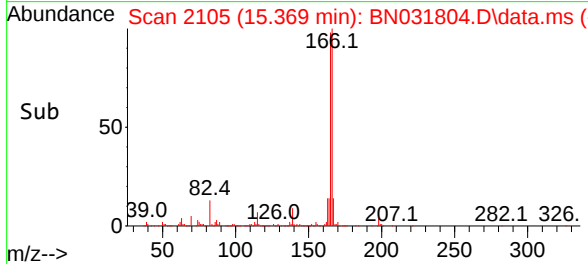
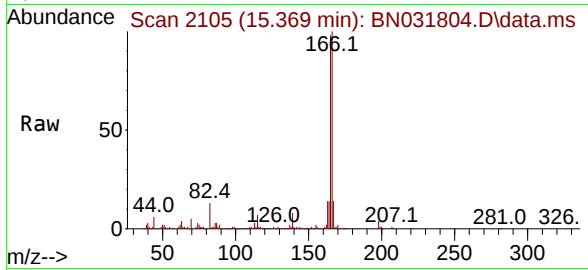
#61
Fluorene
Concen: 1.885 ng/ul
RT: 15.369 min Scan# 2105
Delta R.T. -0.006 min
Lab File: BN031804.D
Acq: 05 Jun 2024 17:45

Instrument :
BNA_N
ClientSampleId :
BHBQ4DL

Tgt Ion:166 Resp: 116189
Ion Ratio Lower Upper
166 100
165 98.3 80.3 120.5
167 14.0 11.3 16.9

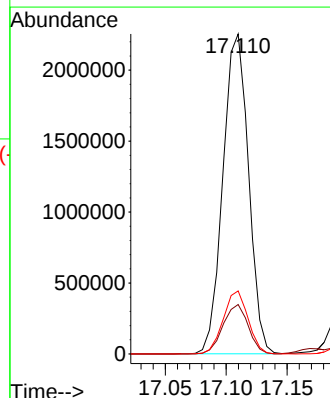
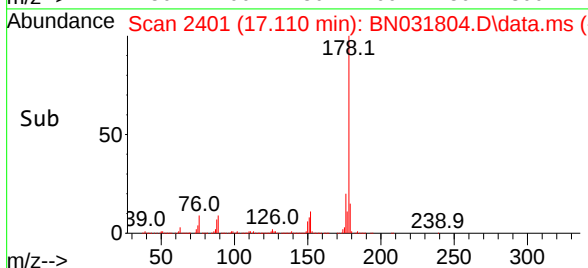
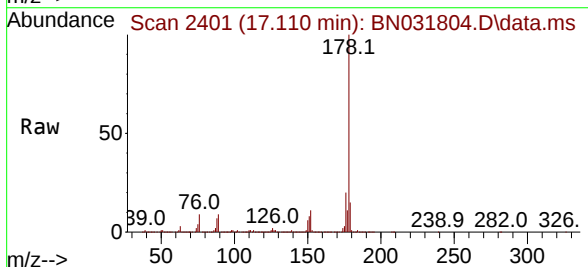
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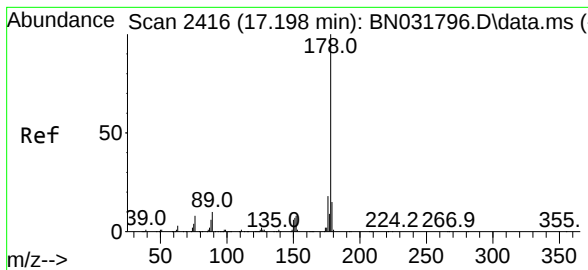
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#72
Phenanthrene
Concen: 32.145 ng/ul
RT: 17.110 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BN031804.D
Acq: 05 Jun 2024 17:45

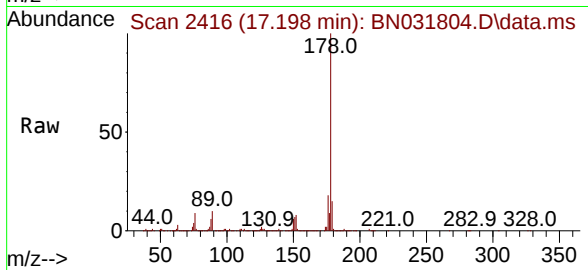
Tgt Ion:178 Resp: 3299019
Ion Ratio Lower Upper
178 100
179 15.4 12.6 19.0
176 19.7 15.8 23.6





#74
 Anthracene
 Concen: 6.374 ng/ul
 RT: 17.198 min Scan# 2416
 Delta R.T. -0.006 min
 Lab File: BN031804.D
 Acq: 05 Jun 2024 17:45

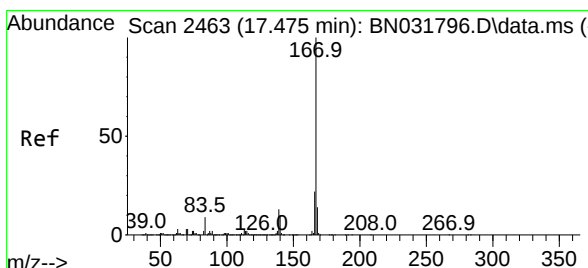
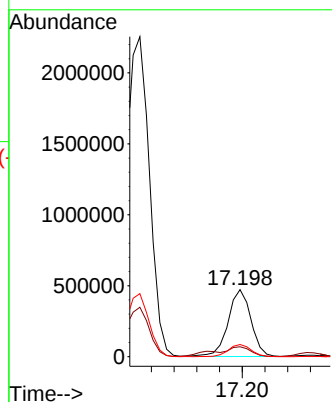
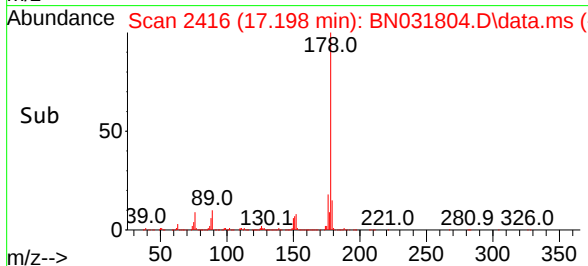
Instrument :
 BNA_N
 ClientSampleId :
 BHBQ4DL



Tgt Ion:178 Resp: 662791
 Ion Ratio Lower Upper
 178 100
 179 14.9 11.8 17.6
 176 18.1 14.8 22.2

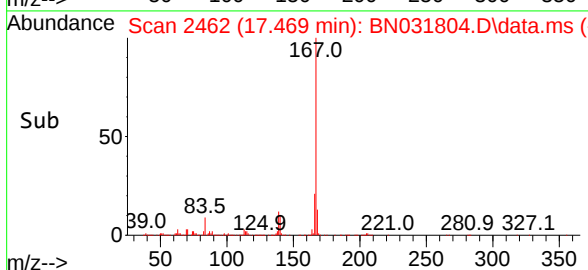
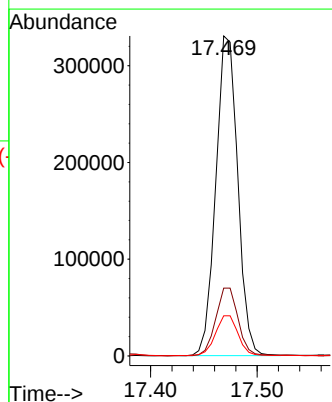
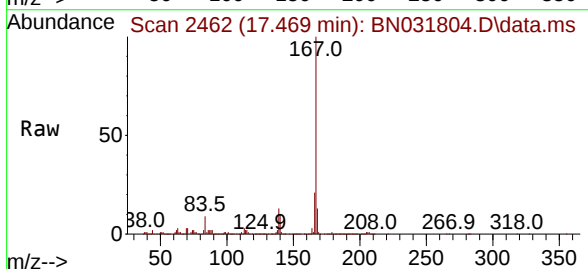
Manual Integrations
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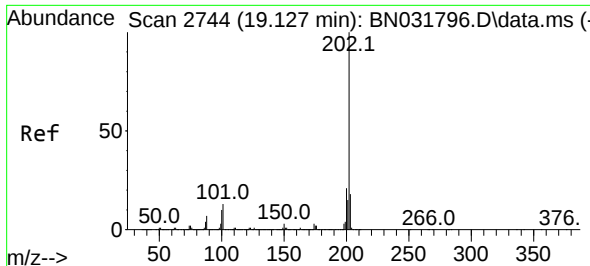
Reviewed By :Jagrut Upadhyay 06/06/2024
 Supervised By :mohammad ahmed 06/07/2024



#77
 Carbazole
 Concen: 5.317 ng/ul
 RT: 17.469 min Scan# 2462
 Delta R.T. -0.006 min
 Lab File: BN031804.D
 Acq: 05 Jun 2024 17:45

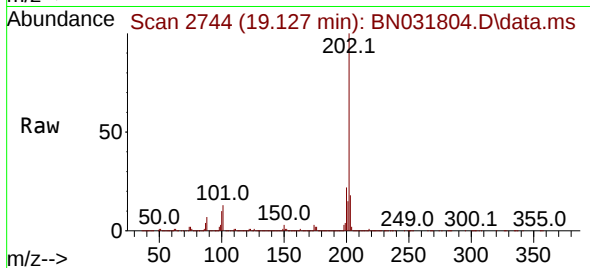
Tgt Ion:167 Resp: 471472
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.9 26.9
 139 12.6 10.5 15.7





#80
Fluoranthene
Concen: 39.602 ng/u1
RT: 19.127 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN031804.D
Acq: 05 Jun 2024 17:45

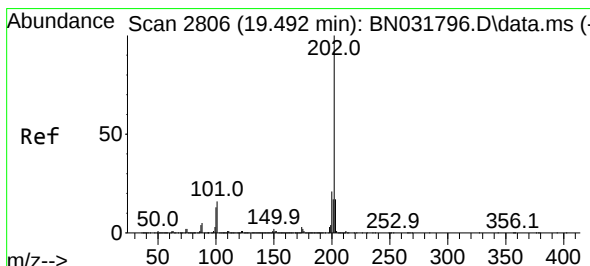
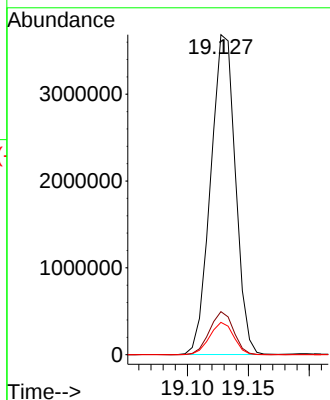
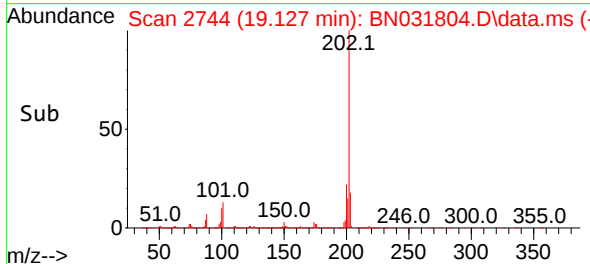
Instrument :
BNA_N
ClientSampleId :
BHBQ4DL



Tgt Ion:202 Resp: 5218592
Ion Ratio Lower Upper
202 100
101 13.5 10.3 15.5
100 10.1 8.0 12.0

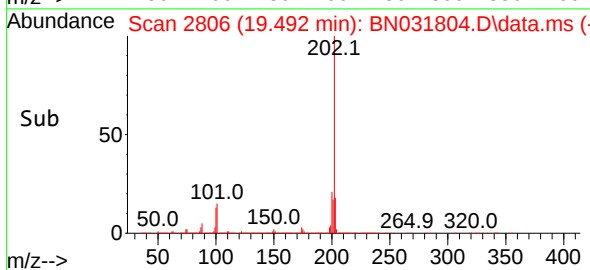
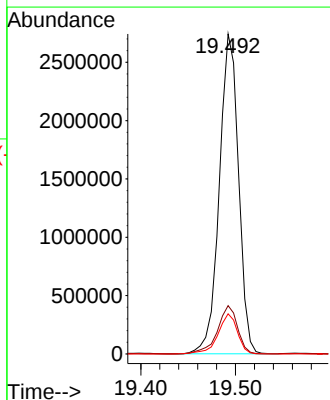
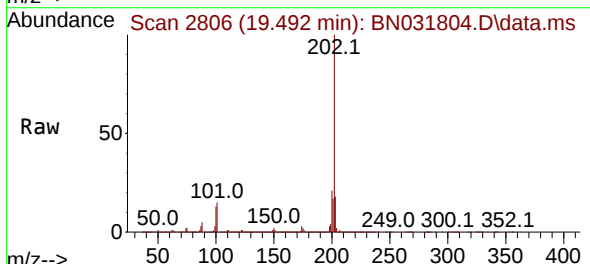
Manual Integrations
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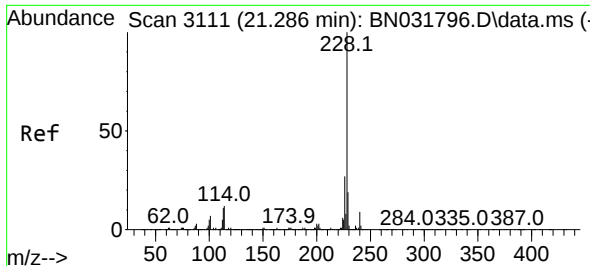
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#82
Pyrene
Concen: 28.615 ng/u1
RT: 19.492 min Scan# 2806
Delta R.T. -0.000 min
Lab File: BN031804.D
Acq: 05 Jun 2024 17:45

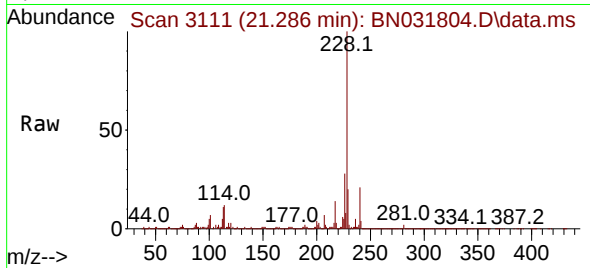
Tgt Ion:202 Resp: 3868823
Ion Ratio Lower Upper
202 100
101 15.1 12.6 18.8
100 12.6 10.2 15.2





#85
Benzo(a)anthracene
Concen: 18.877 ng/ul
RT: 21.286 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BN031804.D
Acq: 05 Jun 2024 17:45

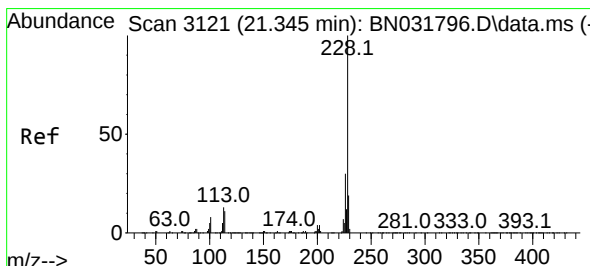
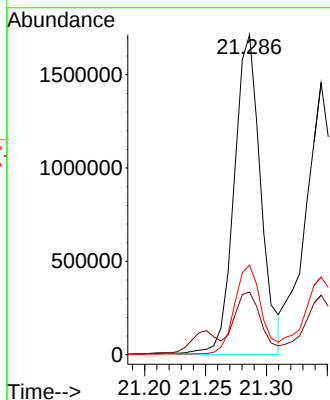
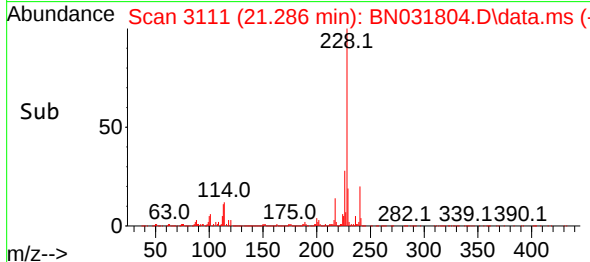
Instrument :
BNA_N
ClientSampleId :
BHBQ4DL



Tgt Ion:228 Resp: 260353
Ion Ratio Lower Upper
228 100
229 19.5 16.7 25.1
226 28.0 22.8 34.2

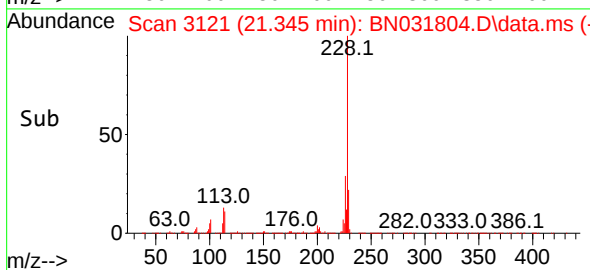
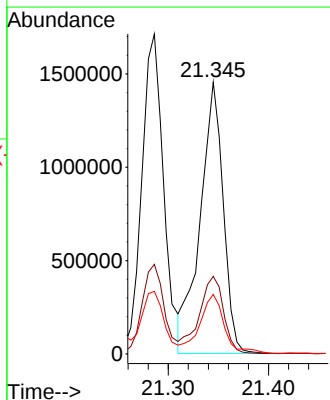
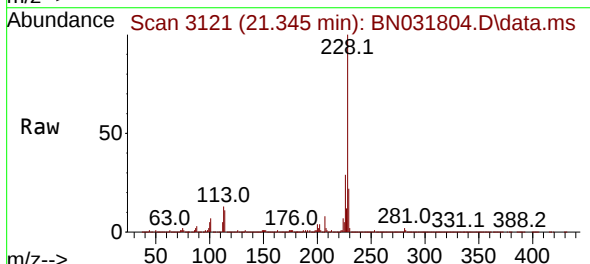
Manual Integrations
APPROVED

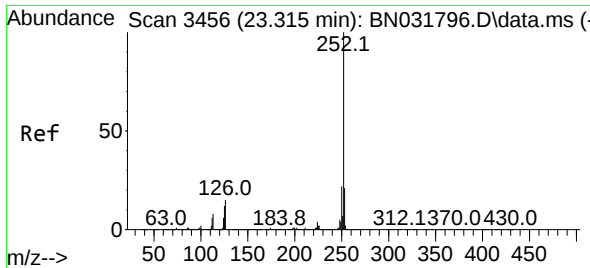
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#87
Chrysene
Concen: 18.096 ng/ul
RT: 21.345 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BN031804.D
Acq: 05 Jun 2024 17:45

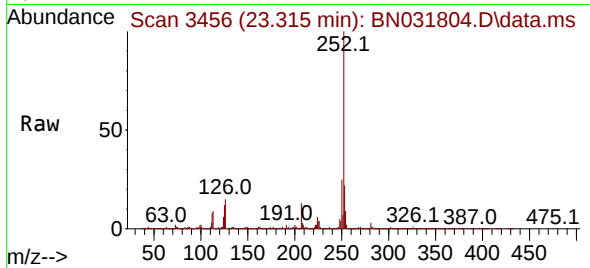
Tgt Ion:228 Resp: 2331191
Ion Ratio Lower Upper
228 100
226 28.6 23.7 35.5
229 21.9 15.1 22.7





#90
Benzo(b)fluoranthene
Concen: 21.786 ng/ul
RT: 23.315 min Scan# 3456
Delta R.T. 0.006 min
Lab File: BN031804.D
Acq: 05 Jun 2024 17:45

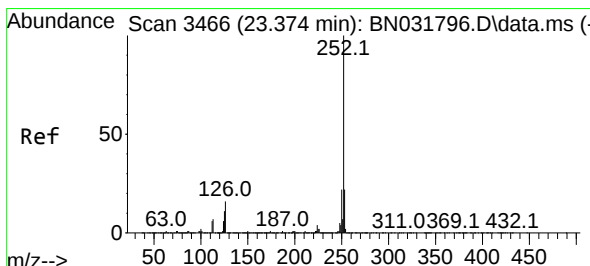
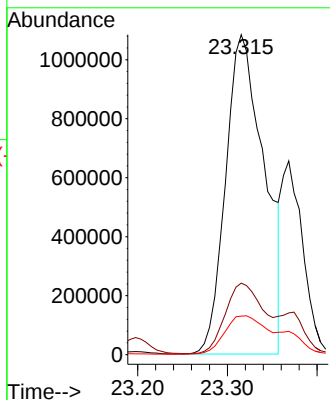
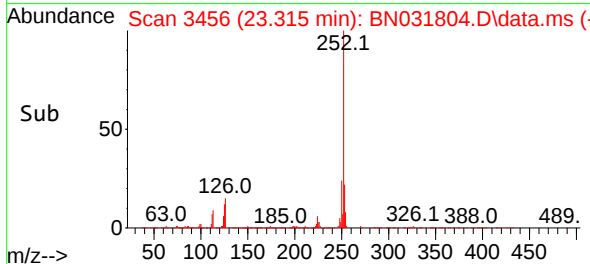
Instrument :
BNA_N
ClientSampleId :
BHBQ4DL



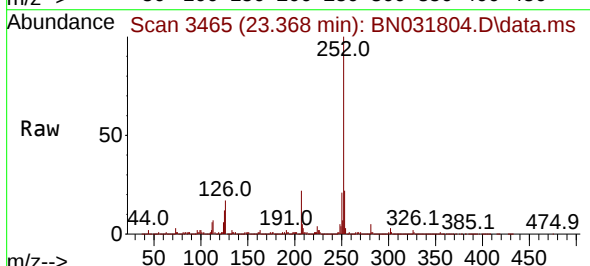
Tgt Ion:252 Resp: 3239150
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 12.1 9.2 13.8

Manual Integrations
APPROVED

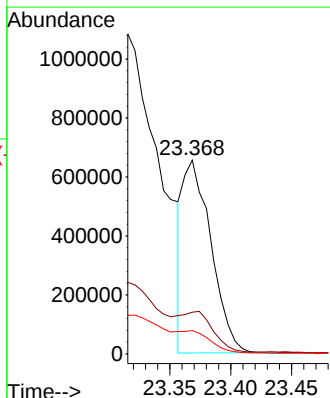
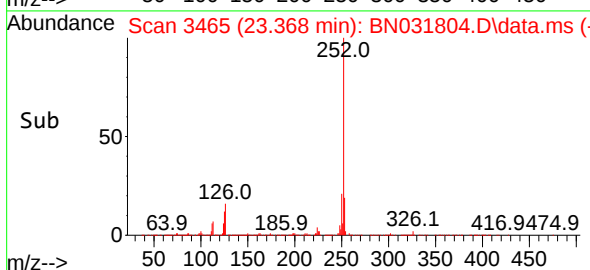
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024

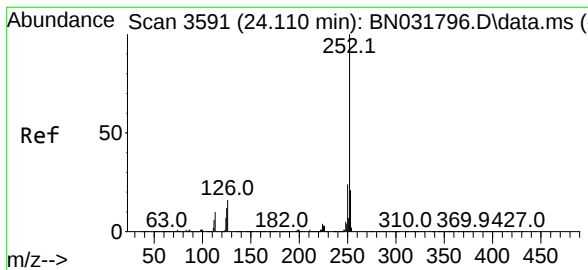


#91
Benzo(k)fluoranthene
Concen: 7.129 ng/ul
RT: 23.368 min Scan# 3465
Delta R.T. -0.006 min
Lab File: BN031804.D
Acq: 05 Jun 2024 17:45



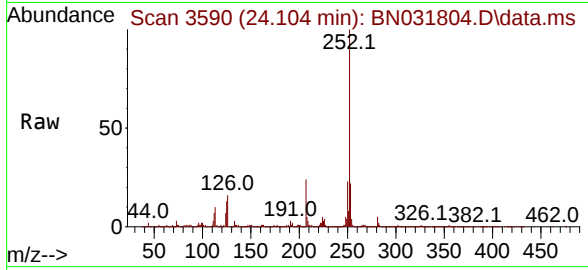
Tgt Ion:252 Resp: 1040133
Ion Ratio Lower Upper
252 100
253 21.6 17.6 26.4
125 12.1 9.4 14.2





#93
Benzo(a)pyrene
Concen: 10.115 ng/ul
RT: 24.104 min Scan# 3590
Delta R.T. -0.000 min
Lab File: BN031804.D
Acq: 05 Jun 2024 17:45

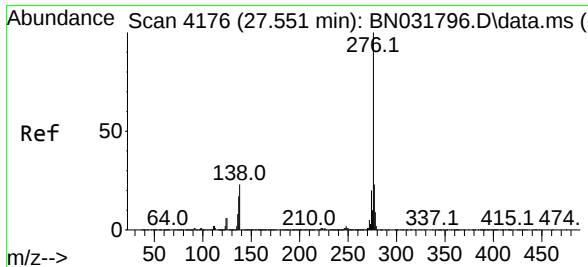
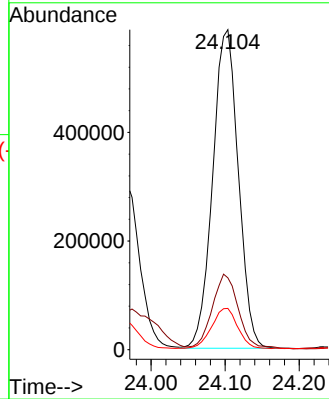
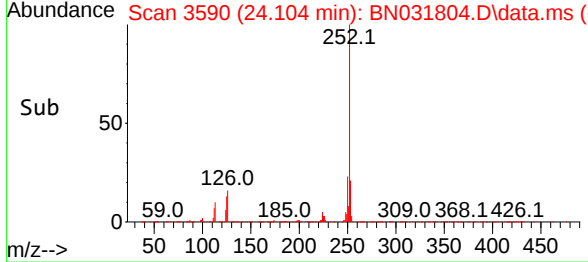
Instrument :
BNA_N
ClientSampleId :
BHBQ4DL



Tgt Ion:252 Resp: 1408550
Ion Ratio Lower Upper
252 100
253 22.5 16.6 24.8
125 12.9 9.8 14.8

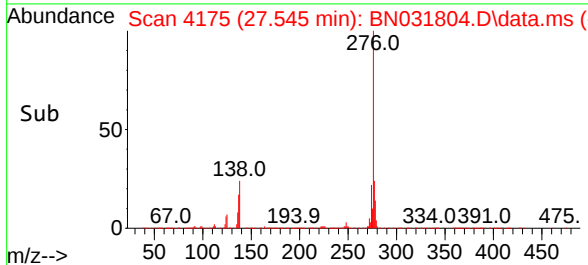
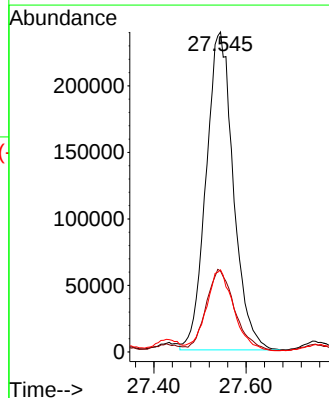
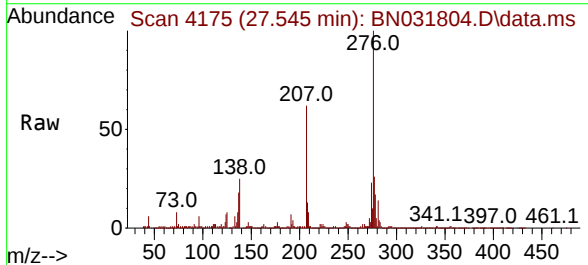
Manual Integrations
APPROVED

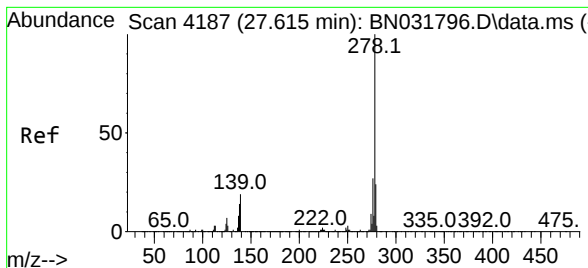
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#94
Indeno(1,2,3-cd)pyrene
Concen: 6.120 ng/ul
RT: 27.545 min Scan# 4175
Delta R.T. 0.012 min
Lab File: BN031804.D
Acq: 05 Jun 2024 17:45

Tgt Ion:276 Resp: 982108
Ion Ratio Lower Upper
276 100
138 25.3 18.1 27.1
277 25.7 18.2 27.2





#95

Dibenzo(a,h)anthracene

Concen: 2.613 ng/ul

RT: 27.580 min Scan# 4187

Delta R.T. -0.024 min

Lab File: BN031804.D

Acq: 05 Jun 2024 17:45

Instrument :

BNA_N

ClientSampleId :

BHBQ4DL

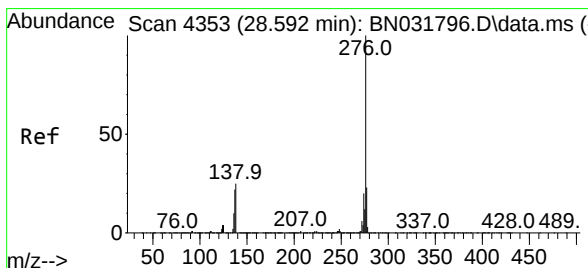
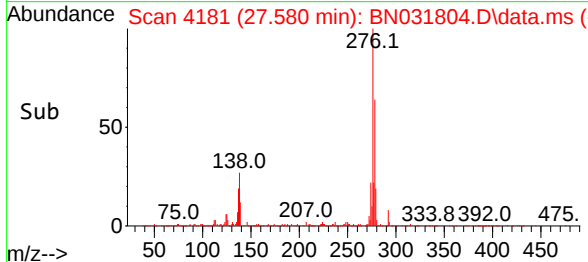
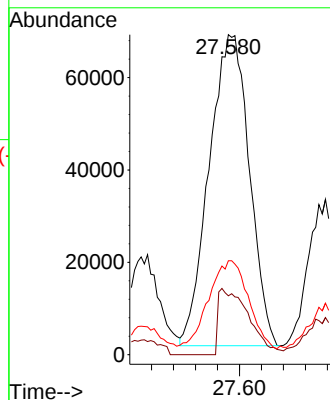
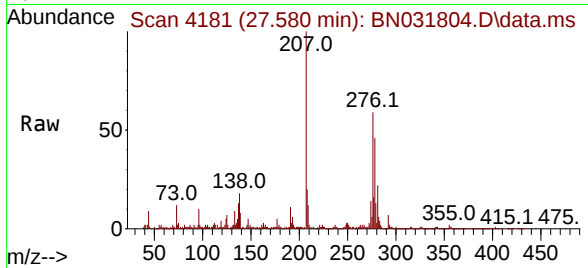
Tgt Ion:278 Resp: 34226

Ion	Ratio	Lower	Upper
278	100		
139	18.4	15.0	22.6
279	29.4	17.4	26.0

Manual Integrations

APPROVED

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



#96

Benzo(g,h,i)perylene

Concen: 1.019 ng/ul m

RT: 28.574 min Scan# 4350

Delta R.T. 0.006 min

Lab File: BN031804.D

Acq: 05 Jun 2024 17:45

Tgt Ion:276 Resp: 129990

Ion	Ratio	Lower	Upper
276	100		
138	27.0	20.9	31.3
277	22.6	18.0	27.0

