

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061224\
 Data File : BN031972.D
 Acq On : 13 Jun 2024 11:41
 Operator : MA/JU
 Sample : P2659-03DL 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHC26DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/14/2024

Quant Time: Jun 13 12:25:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 11 22:28:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.658	152	415801	20.000	ng/u1	0.00
20) Naphthalene-d8	10.440	136	1740356	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.304	164	1020298	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.051	188	1705789	20.000	ng/u1	0.00
79) Chrysene-d12	21.292	240	1127822	20.000	ng/u1	0.00
88) Perylene-d12	24.221	264	1326060	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.181	96	7565	0.753	ng/uL	0.00
4) Pyridine-d5	3.593	84	41863	1.480	ng/u1	0.01
7) Phenol-d5	6.834	99	173952	4.880	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.999	67	105765	5.073	ng/u1	0.00
11) 2-Chlorophenol-d4	7.193	132	146221	5.376	ng/u1	0.00
15) 4-Methylphenol-d8	8.369	113	126191	4.343	ng/u1	0.00
21) Nitrobenzene-d5	8.816	128	72517	5.450	ng/u1	0.00
24) 2-Nitrophenol-d4	9.534	143	73863	5.374	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.069	165	129809	5.058	ng/u1	0.00
31) 4-Chloroaniline-d4	10.587	131	58920	1.546	ng/u1	0.00
46) Dimethylphthalate-d6	13.716	166	397182	5.588	ng/u1	0.00
49) Acenaphthylene-d8	13.993	160	454250	5.558	ng/u1	0.00
54) 4-Nitrophenol-d4	14.534	143	38424	2.700	ng/u1	0.01
60) Fluorene-d10	15.298	176	325717	5.416	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.434	200	16381	1.911	ng/u1	0.00
73) Anthracene-d10	17.151	188	411111	5.629	ng/u1	0.00
81) Pyrene-d10	19.451	212	333799	5.531	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.021	264	253311	4.001	ng/u1	0.00
Target Compounds					Qvalue	
50) Acenaphthylene	14.022	152	207813	2.250	ng/u1	99
72) Phenanthrene	17.092	178	1398639	16.096	ng/u1	98
74) Anthracene	17.186	178	277263	3.149	ng/u1	97
77) Carbazole	17.463	167	98339	1.310	ng/u1	96
80) Fluoranthene	19.116	202	2442000	33.857	ng/u1	98
82) Pyrene	19.480	202	1735986	23.459	ng/u1	100
85) Benzo(a)anthracene	21.275	228	1029159	13.633	ng/u1	99
87) Chrysene	21.333	228	1016653	14.418	ng/u1	96
90) Benzo(b)fluoranthene	23.304	252	1449147	18.283	ng/u1	98
91) Benzo(k)fluoranthene	23.357	252	492437m	6.331	ng/u1	
93) Benzo(a)pyrene	24.080	252	630082	8.488	ng/u1	94
94) Indeno(1,2,3-cd)pyrene	27.521	276	564577	6.600	ng/u1	96
95) Dibenzo(a,h)anthracene	27.557	278	183610	2.629	ng/u1#	90
96) Benzo(g,h,i)perylene	28.539	276	77570m	1.141	ng/u1	

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

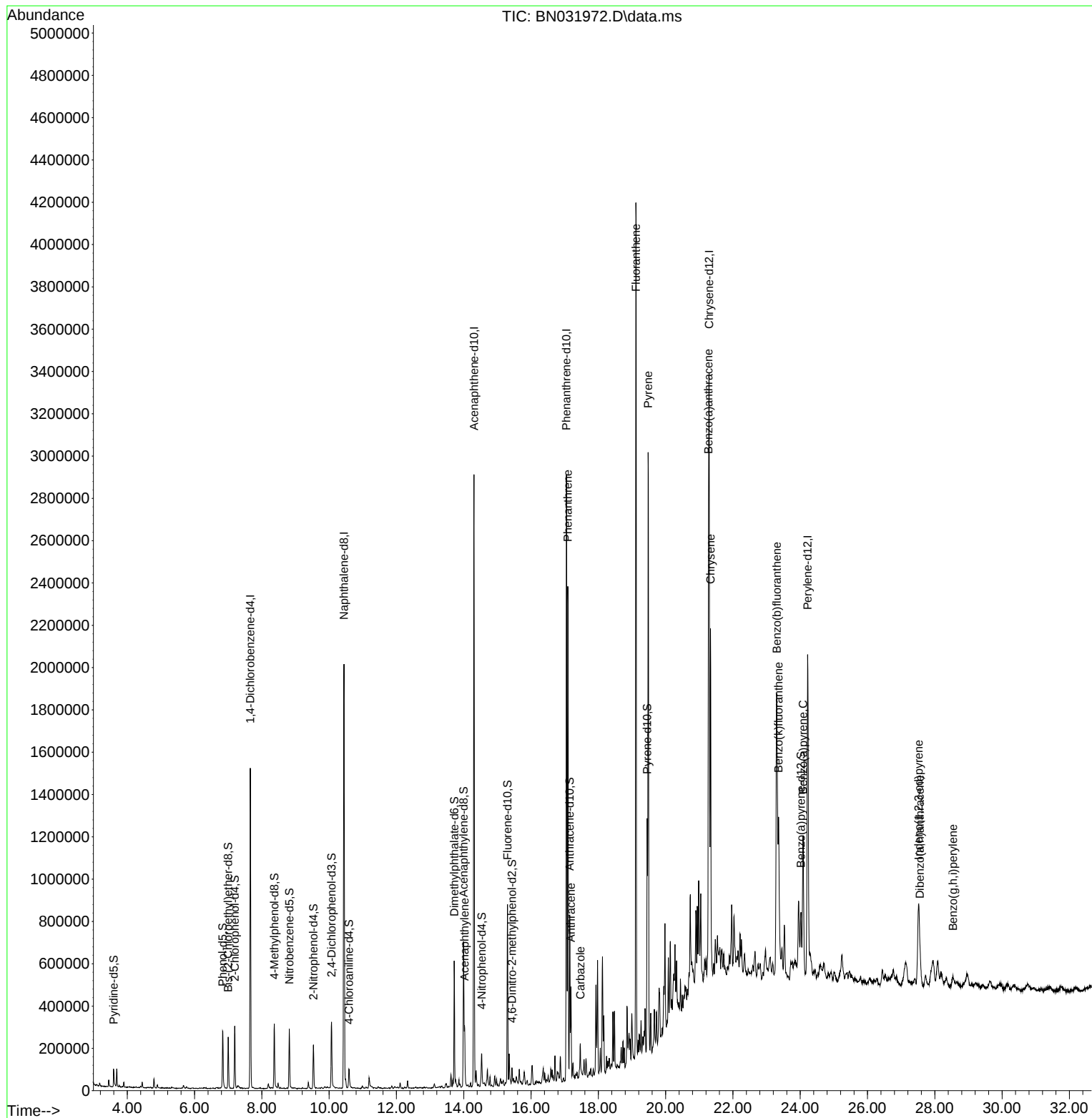
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061224\
Data File : BN031972.D
Acq On : 13 Jun 2024 11:41
Operator : MA/JU
Sample : P2659-03DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

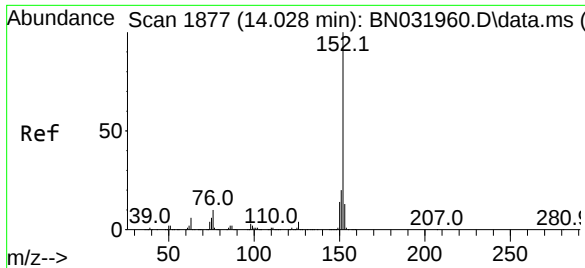
Instrument :
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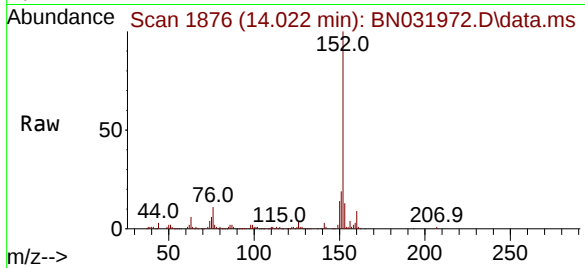
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 11 22:28:10 2024
Response via : Initial Calibration





#50
Acenaphthylene
Concen: 2.250 ng/ul
RT: 14.022 min Scan# 1877
Delta R.T. -0.006 min
Lab File: BN031972.D
Acq: 13 Jun 2024 11:41

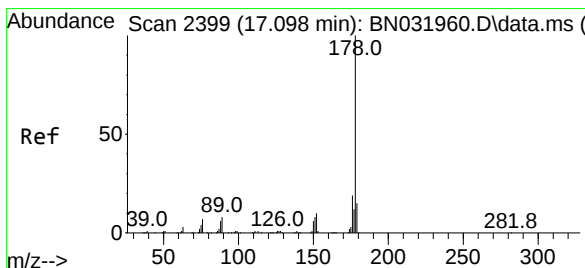
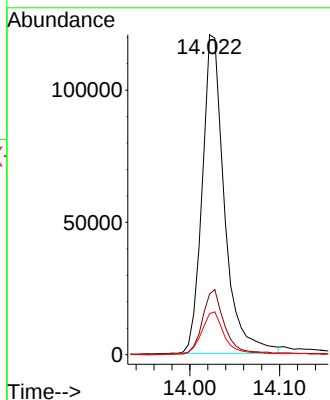
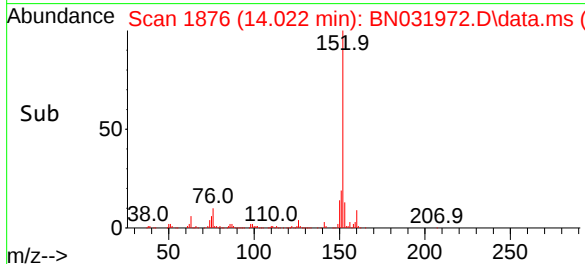
Instrument :
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ClientSampleId :
BHC26DL



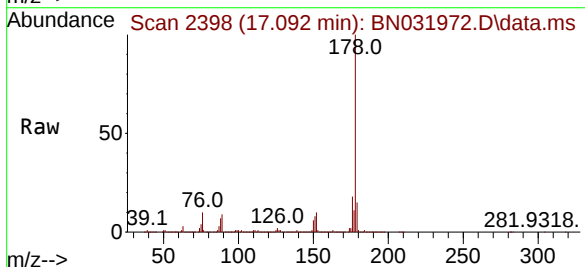
Tgt Ion:152 Resp: 207811
Ion Ratio Lower Upper
152 100
151 18.9 15.9 23.9
153 12.8 10.4 15.6

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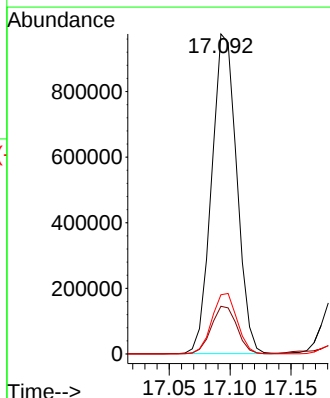
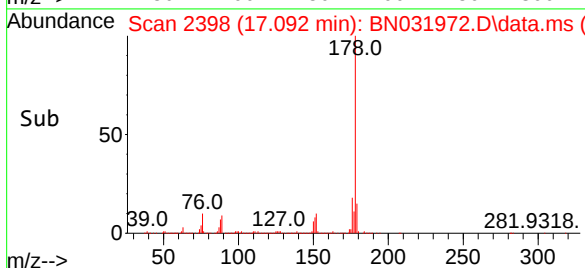
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024

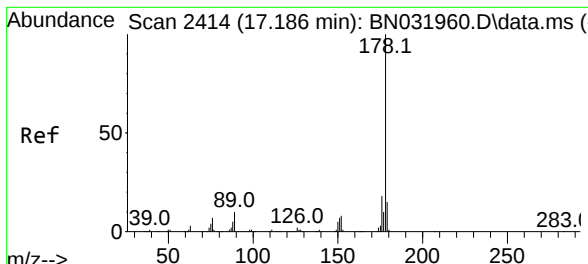


#72
Phenanthrene
Concen: 16.096 ng/ul
RT: 17.092 min Scan# 2398
Delta R.T. -0.006 min
Lab File: BN031972.D
Acq: 13 Jun 2024 11:41



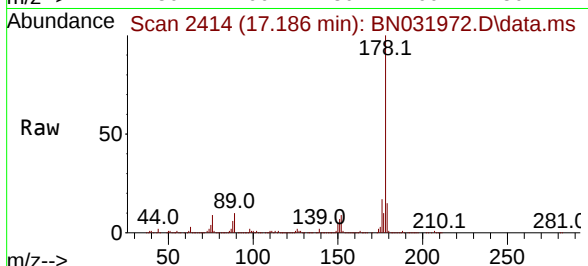
Tgt Ion:178 Resp: 1398639
Ion Ratio Lower Upper
178 100
179 14.9 12.6 19.0
176 18.5 15.8 23.6





#74
 Anthracene
 Concen: 3.149 ng/ul
 RT: 17.186 min Scan# 2414
 Delta R.T. 0.000 min
 Lab File: BN031972.D
 Acq: 13 Jun 2024 11:41

Instrument :
 BNA_N
 ClientSampleId :
 BHC26DL

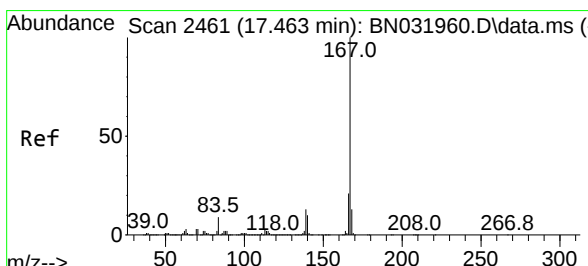
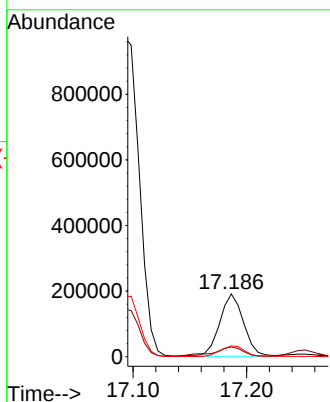
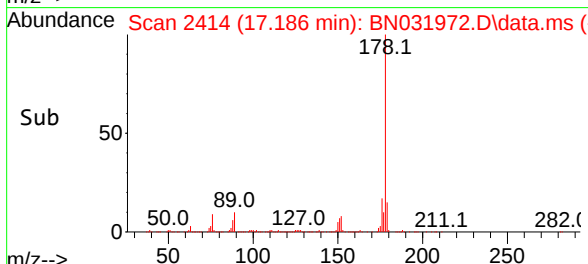


Tgt Ion:178 Resp: 27726

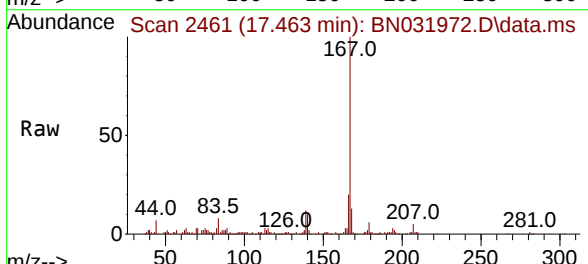
Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.8	17.6
176	17.2	14.8	22.2

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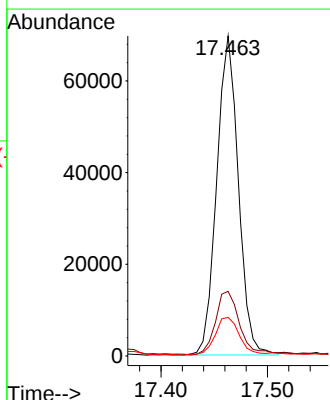
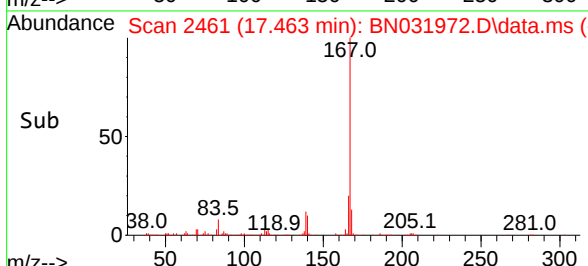


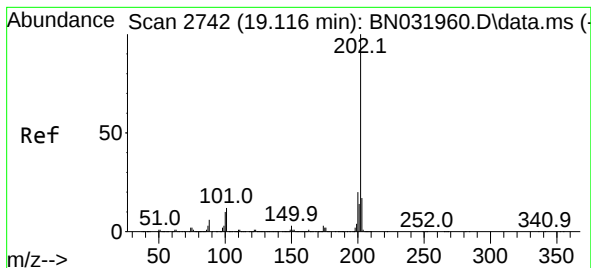
#77
 Carbazole
 Concen: 1.310 ng/ul
 RT: 17.463 min Scan# 2461
 Delta R.T. 0.000 min
 Lab File: BN031972.D
 Acq: 13 Jun 2024 11:41



Tgt Ion:167 Resp: 98339

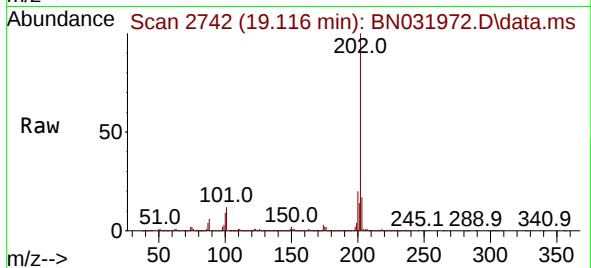
Ion	Ratio	Lower	Upper
167	100		
166	20.2	17.9	26.9
139	12.1	10.5	15.7





#80
Fluoranthene
Concen: 33.857 ng/ul
RT: 19.116 min Scan# 2742
Delta R.T. 0.000 min
Lab File: BN031972.D
Acq: 13 Jun 2024 11:41

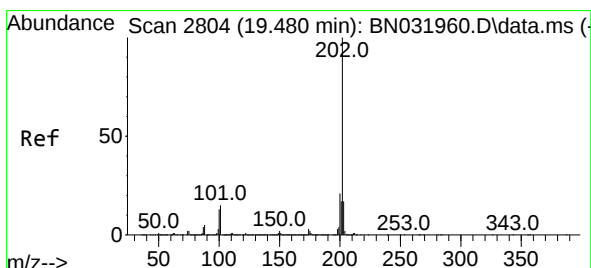
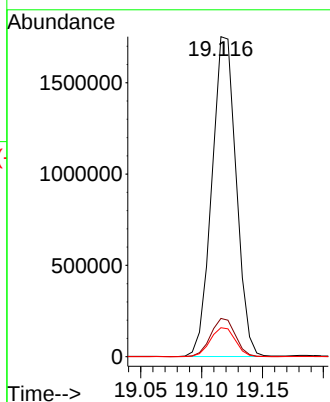
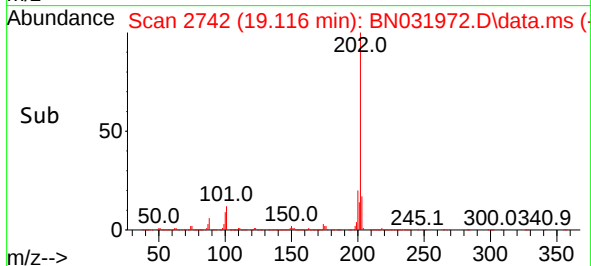
Instrument :
BNA_N
ClientSampleId :
BHC26DL



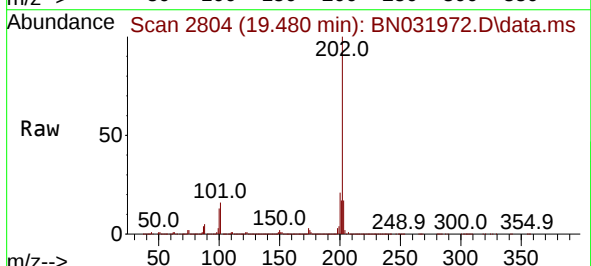
Tgt Ion:202 Resp: 2442000
Ion Ratio Lower Upper
202 100
101 11.9 10.3 15.5
100 9.1 8.0 12.0

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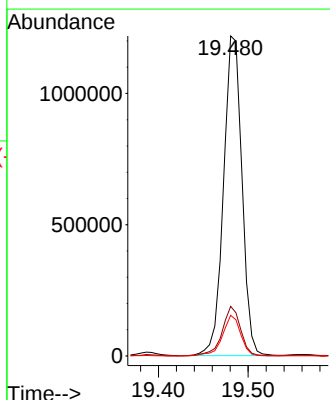
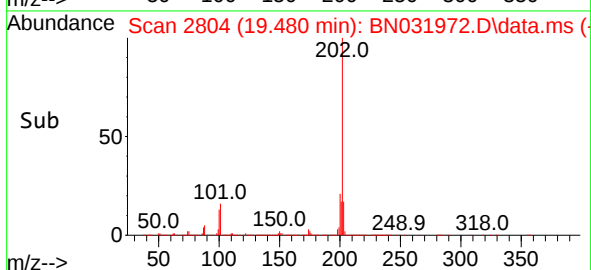
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024

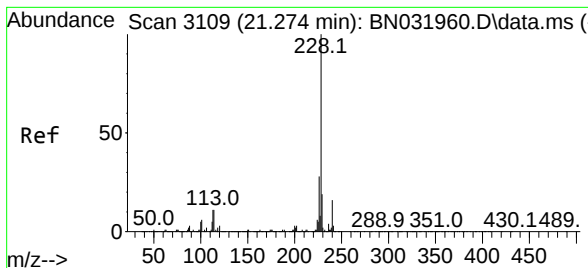


#82
Pyrene
Concen: 23.459 ng/ul
RT: 19.480 min Scan# 2804
Delta R.T. -0.006 min
Lab File: BN031972.D
Acq: 13 Jun 2024 11:41



Tgt Ion:202 Resp: 1735986
Ion Ratio Lower Upper
202 100
101 15.5 12.6 18.8
100 12.7 10.2 15.2





#85

Benzo(a)anthracene

Concen: 13.633 ng/ul

RT: 21.275 min Scan# 3109

Delta R.T. 0.000 min

Lab File: BN031972.D

Acq: 13 Jun 2024 11:41

Instrument :

BNA_N

ClientSampleId :

BHC26DL

Tgt Ion:228 Resp: 102915

Ion Ratio Lower Upper

228 100

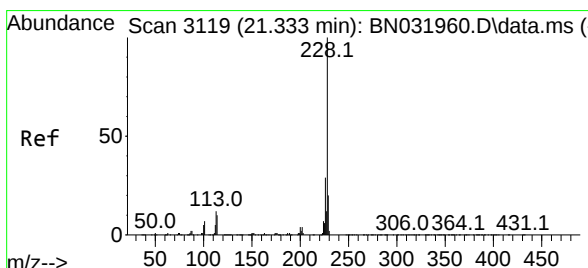
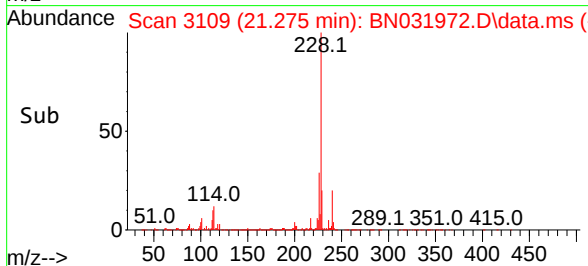
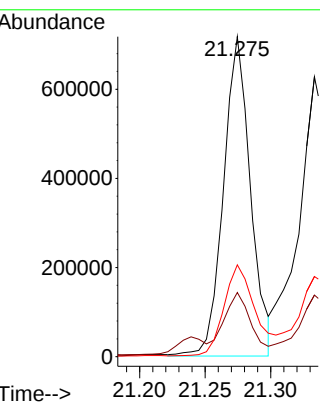
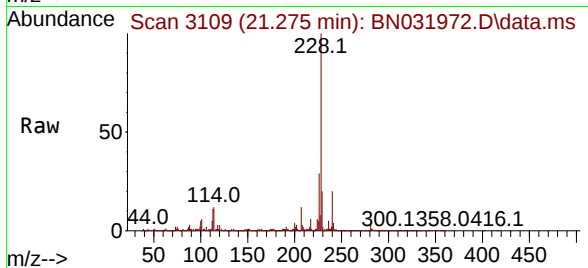
229 20.1 16.7 25.1

226 28.7 22.8 34.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024



#87

Chrysene

Concen: 14.418 ng/ul

RT: 21.333 min Scan# 3119

Delta R.T. 0.000 min

Lab File: BN031972.D

Acq: 13 Jun 2024 11:41

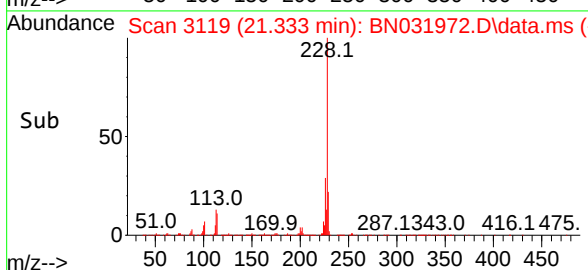
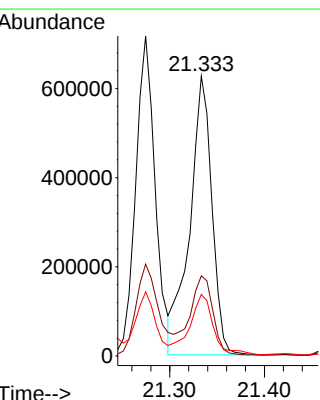
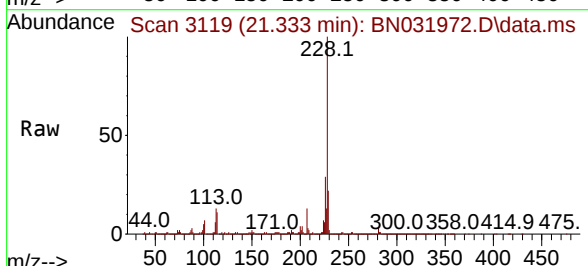
Tgt Ion:228 Resp: 1016653

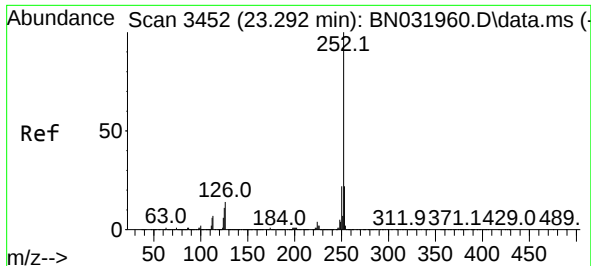
Ion Ratio Lower Upper

228 100

226 28.6 23.7 35.5

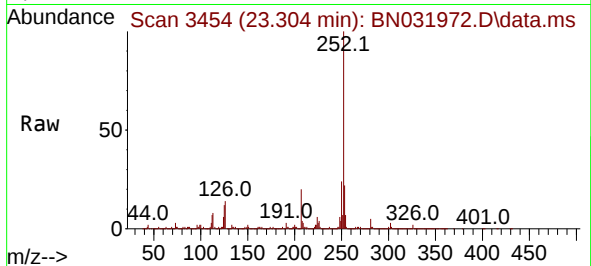
229 22.0 15.1 22.7





#90
Benzo(b)fluoranthene
Concen: 18.283 ng/ul
RT: 23.304 min Scan# 3452
Delta R.T. 0.012 min
Lab File: BN031972.D
Acq: 13 Jun 2024 11:41

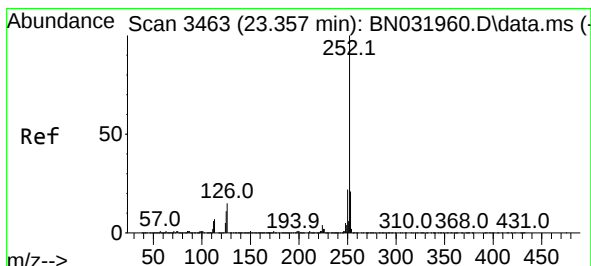
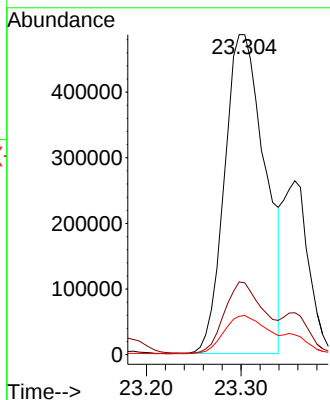
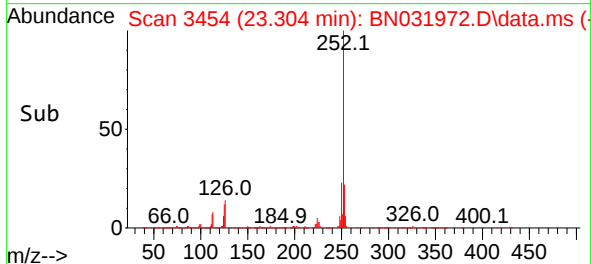
Instrument :
BNA_N
ClientSampleId :
BHC26DL



Tgt Ion:252 Resp: 144914
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.6
125 12.3 9.2 13.8

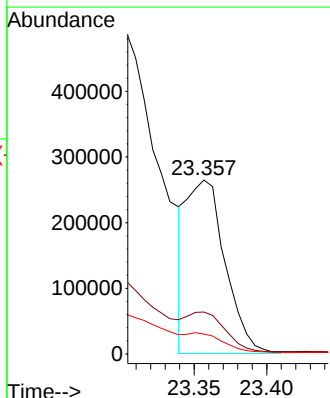
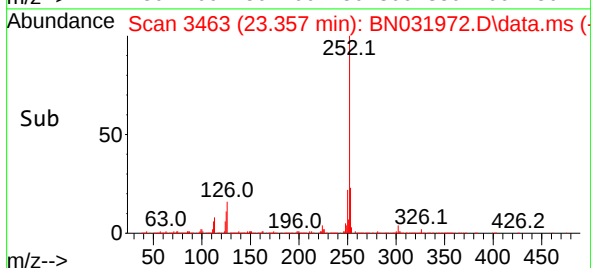
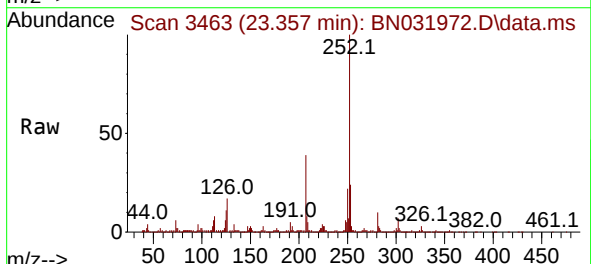
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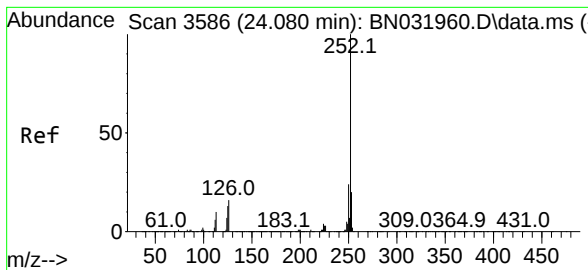
Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/14/2024



#91
Benzo(k)fluoranthene
Concen: 6.331 ng/ul m
RT: 23.357 min Scan# 3463
Delta R.T. 0.006 min
Lab File: BN031972.D
Acq: 13 Jun 2024 11:41

Tgt Ion:252 Resp: 492437
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 11.4 9.4 14.2





#93

Benzo(a)pyrene

Concen: 8.488 ng/ul

RT: 24.080 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN031972.D

Acq: 13 Jun 2024 11:41

Instrument :

BNA_N

ClientSampleId :

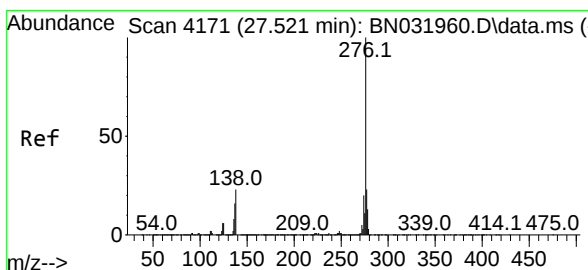
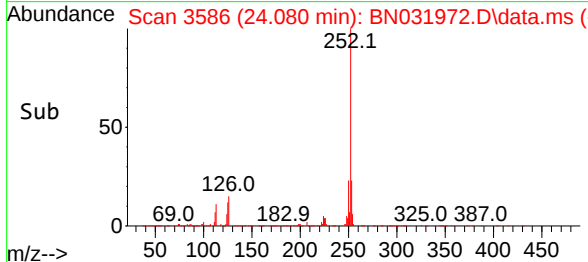
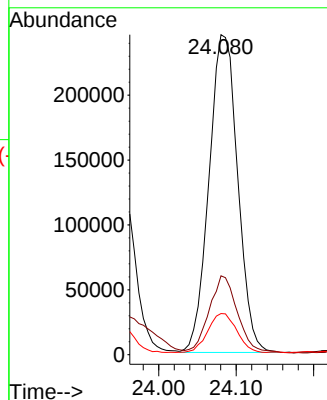
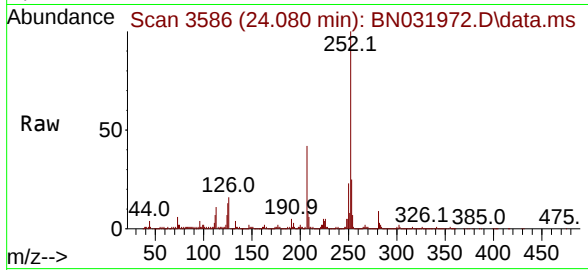
BHC26DL

Tgt Ion:	252	Resp:	63008
Ion Ratio	Lower	Upper	
252	100		
253	24.7	16.6	24.8
125	12.9	9.8	14.8

Manual Integrations

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Supervised By :mohammad ahmed 06/14/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 6.600 ng/ul

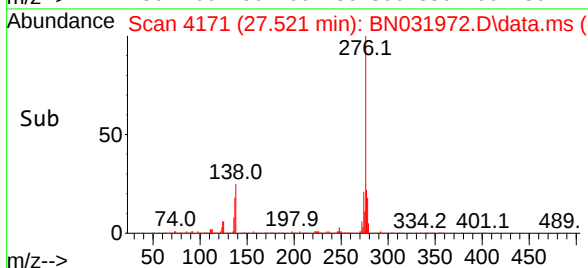
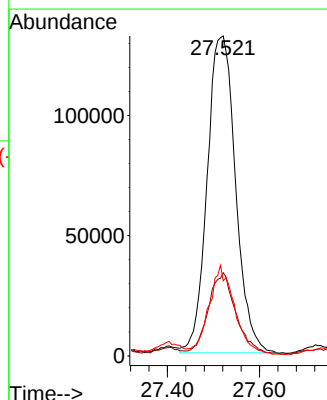
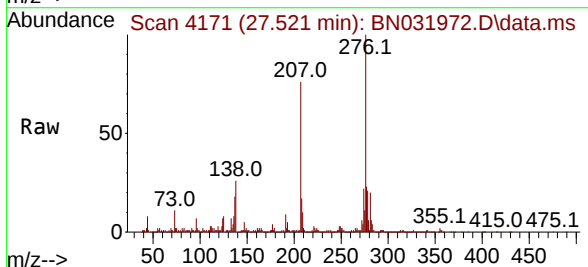
RT: 27.521 min Scan# 4171

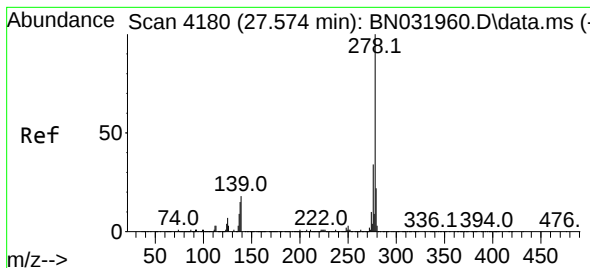
Delta R.T. 0.006 min

Lab File: BN031972.D

Acq: 13 Jun 2024 11:41

Tgt Ion:	276	Resp:	564577
Ion Ratio	Lower	Upper	
276	100		
138	26.0	18.1	27.1
277	23.4	18.2	27.2





#95

Dibenzo(a,h)anthracene

Concen: 2.629 ng/ul

RT: 27.557 min Scan# 4180

Delta R.T. -0.023 min

Lab File: BN031972.D

Acq: 13 Jun 2024 11:41

Instrument :

BNA_N

ClientSampleId :

BHC26DL

Tgt Ion:278 Resp: 183610

Ion Ratio Lower Upper

278 100

139 18.3 15.0 22.6

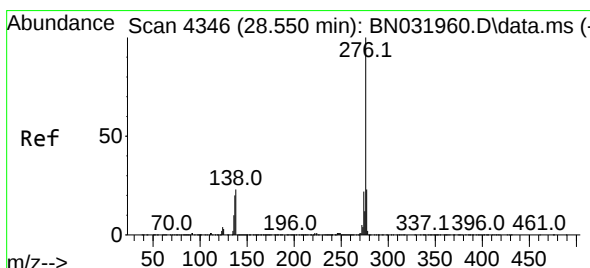
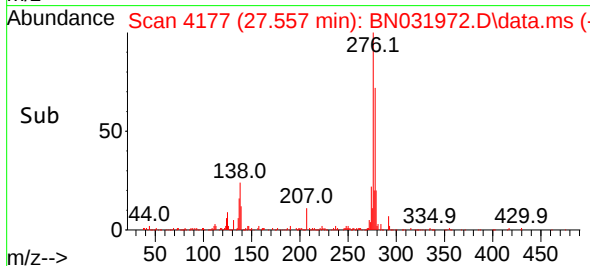
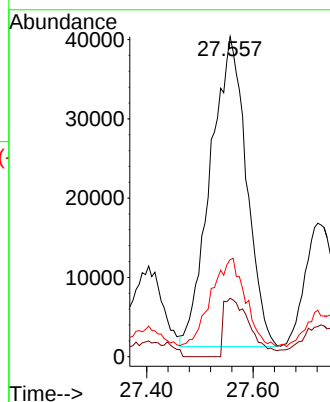
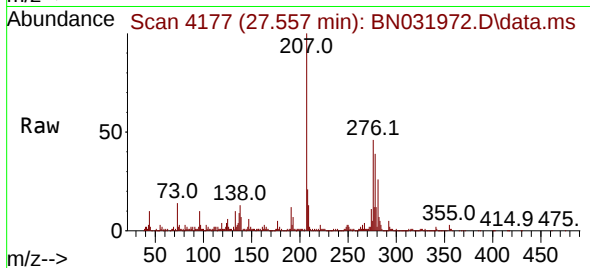
279 30.3 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024

Supervised By :mohammad ahmed 06/14/2024



#96

Benzo(g,h,i)perylene

Concen: 1.141 ng/ul m

RT: 28.539 min Scan# 4344

Delta R.T. -0.006 min

Lab File: BN031972.D

Acq: 13 Jun 2024 11:41

Tgt Ion:276 Resp: 77570

Ion Ratio Lower Upper

276 100

138 26.8 20.9 31.3

277 25.5 18.0 27.0

