

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042424\
 Data File : BN031212.D
 Acq On : 25 Apr 2024 07:26
 Operator : MA/JU
 Sample : P2104-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AA5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024

Quant Time: Apr 25 07:56:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN041924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 19 22:56:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.628	152	267069	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.410	136	1189656	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.275	164	754060	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.034	188	1569359	20.000	ng/u1	0.00
79) Chrysene-d12	21.281	240	963365	20.000	ng/u1	0.01
88) Perylene-d12	24.192	264	1187002	20.000	ng/u1	# 0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.146	96	10243	1.792	ng/uL	0.00
4) Pyridine-d5	3.552	84	96241	5.846	ng/u1	0.00
7) Phenol-d5	6.805	99	275784	12.241	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.969	67	154538	11.790	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.164	132	228010	12.998	ng/u1	0.00
15) 4-Methylphenol-d8	8.334	113	229508	12.113	ng/u1	0.00
21) Nitrobenzene-d5	8.787	128	111058	12.993	ng/u1	0.00
24) 2-Nitrophenol-d4	9.499	143	116040	13.060	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.034	165	223138	12.735	ng/u1	0.00
31) 4-Chloroaniline-d4	10.558	131	208486	7.614	ng/u1	0.00
46) Dimethylphthalate-d6	13.693	166	688427	13.120	ng/u1	0.00
49) Acenaphthylene-d8	13.969	160	816589	13.733	ng/u1	0.00
54) 4-Nitrophenol-d4	14.504	143	85577	7.814	ng/u1	0.01
60) Fluorene-d10	15.275	176	637045	13.946	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.410	200	31856	4.023	ng/u1	0.00
73) Anthracene-d10	17.134	188	983488	14.458	ng/u1	0.00
81) Pyrene-d10	19.439	212	942171	19.903	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.998	264	834241	14.821	ng/u1	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.458	128	167809	2.722	ng/u1	99
36) 2-Methylnaphthalene	12.075	142	84620	1.946	ng/u1	98
37) 1-Methylnaphthalene	12.299	142	74376	1.691	ng/u1	95
50) Acenaphthylene	13.999	152	175335	2.524	ng/u1	97
52) Acenaphthene	14.340	153	446510	9.697	ng/u1	97
56) Dibenzofuran	14.681	168	646428	10.154	ng/u1	97
61) Fluorene	15.328	166	728385	13.903	ng/u1	94
72) Phenanthrene	17.087	178	10745784	129.457	ng/u1	98
74) Anthracene	17.163	178	1630451	19.410	ng/u1	99
77) Carbazole	17.440	167	1690335	22.029	ng/u1	98
80) Fluoranthene	19.122	202	15928285m	284.297	ng/u1	
82) Pyrene	19.481	202	12866083	218.560	ng/u1#	93
85) Benzo(a)anthracene	21.263	228	6499771	99.357	ng/u1	97
87) Chrysene	21.328	228	7382376	118.885	ng/u1	96
90) Benzo(b)fluoranthene	23.292	252	9882651	147.971	ng/u1	97
91) Benzo(k)fluoranthene	23.339	252	3741315m	55.697	ng/u1	
93) Benzo(a)pyrene	24.074	252	6494716	97.478	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	27.486	276	5463574	66.082	ng/u1	98
95) Dibenzo(a,h)anthracene	27.515	278	1347633	19.859	ng/u1#	88
96) Benzo(g,h,i)perylene	28.515	276	4437684	66.652	ng/u1	96

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

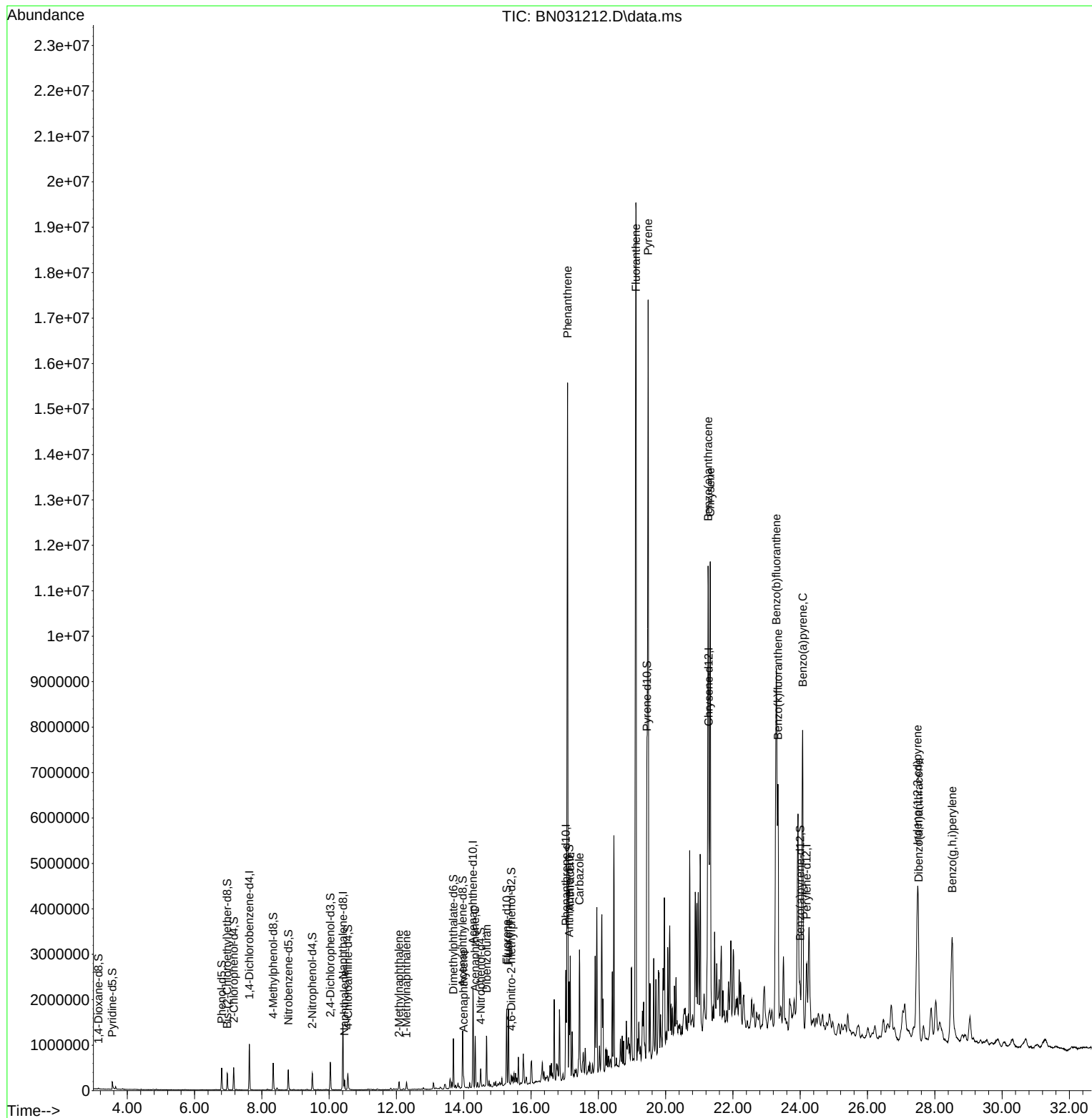
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042424\
Data File : BN031212.D
Acq On : 25 Apr 2024 07:26
Operator : MA/JU
Sample : P2104-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

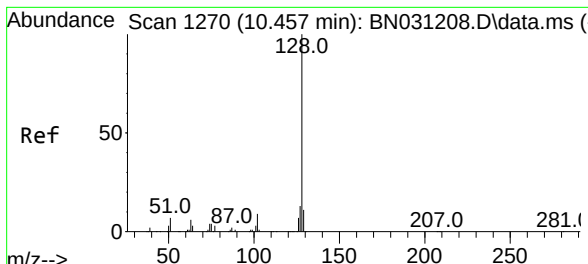
Instrument :
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ClientSampleId :
C0AA5

Manual Integrations
APPROVED

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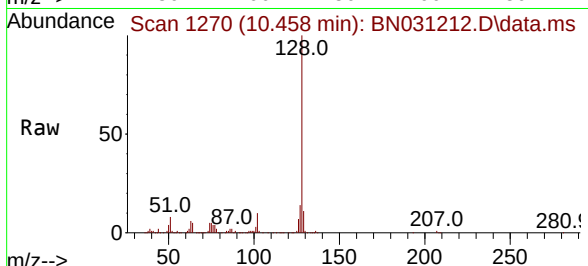
Quant Time: Apr 25 07:56:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN041924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 19 22:56:25 2024
Response via : Initial Calibration





#30
Naphthalene
Concen: 2.722 ng/ul
RT: 10.458 min Scan# 1270
Delta R.T. -0.012 min
Lab File: BN031212.D
Acq: 25 Apr 2024 07:26

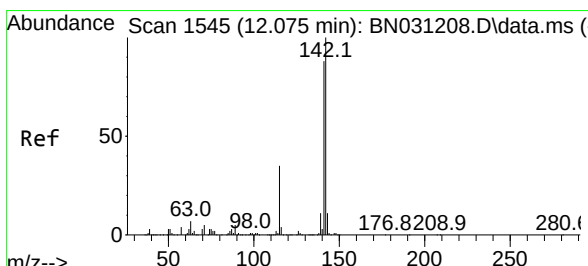
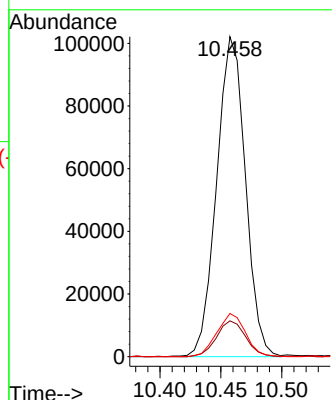
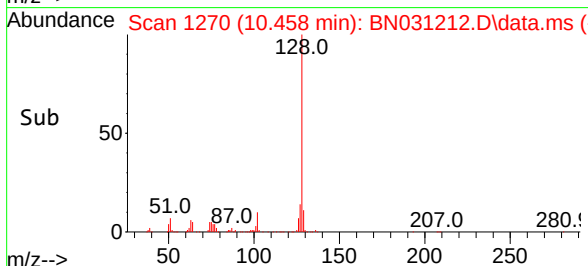
Instrument : BNA_N
ClientSampleId : C0AA5



Tgt Ion:128 Resp: 167809
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 13.5 10.5 15.7

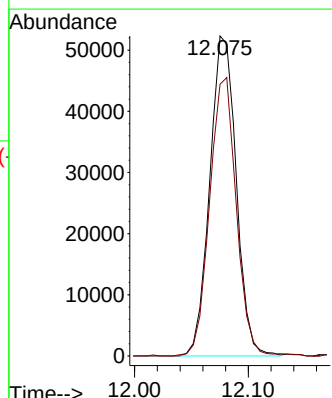
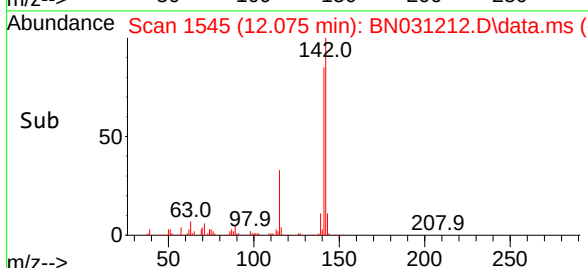
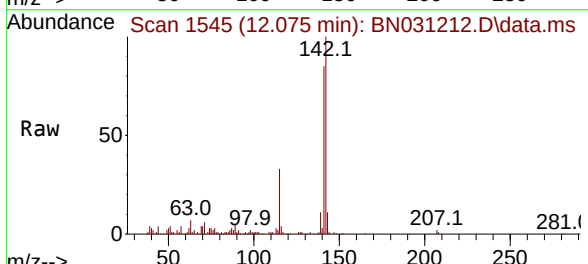
Manual Integrations
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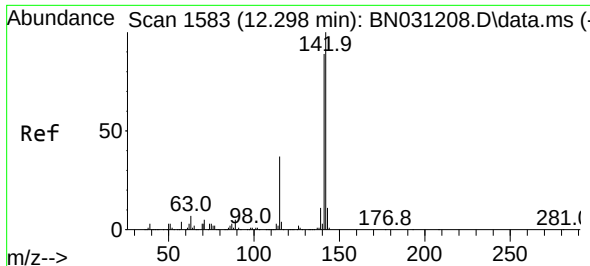
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024



#36
2-Methylnaphthalene
Concen: 1.946 ng/ul
RT: 12.075 min Scan# 1545
Delta R.T. -0.012 min
Lab File: BN031212.D
Acq: 25 Apr 2024 07:26

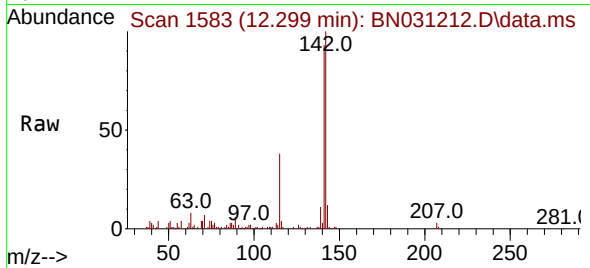
Tgt Ion:142 Resp: 84620
Ion Ratio Lower Upper
142 100
141 84.9 69.6 104.4





#37
1-Methylnaphthalene
Concen: 1.691 ng/ul
RT: 12.299 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BN031212.D
Acq: 25 Apr 2024 07:26

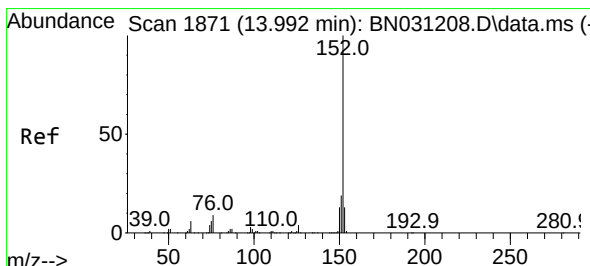
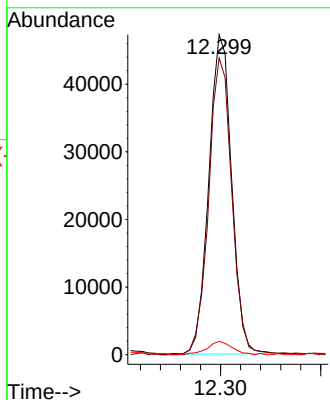
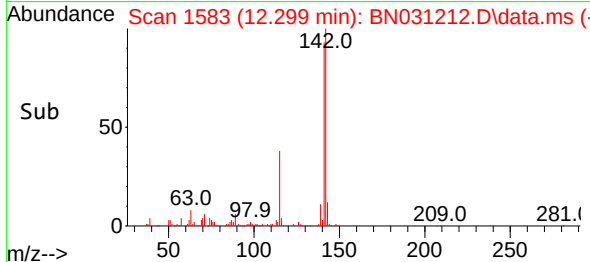
Instrument :
BNA_N
ClientSampleId :
C0AA5



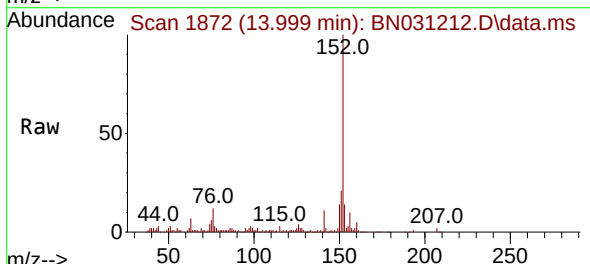
Tgt Ion:142 Resp: 74370
Ion Ratio Lower Upper
142 100
141 92.8 70.2 105.4
116 4.2 3.1 4.7

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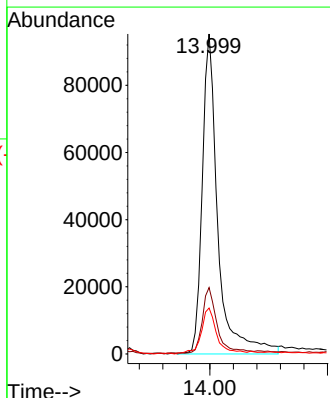
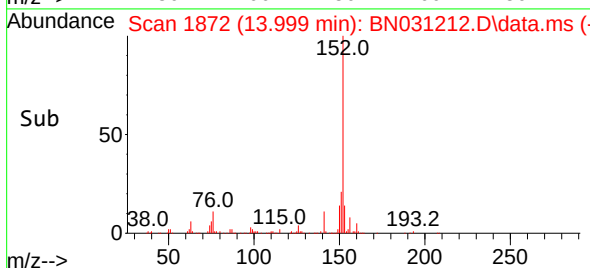
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

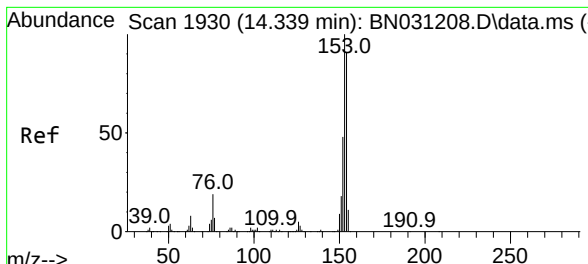


#50
Acenaphthylene
Concen: 2.524 ng/ul
RT: 13.999 min Scan# 1872
Delta R.T. -0.006 min
Lab File: BN031212.D
Acq: 25 Apr 2024 07:26



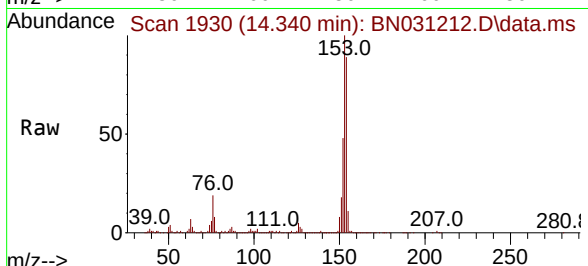
Tgt Ion:152 Resp: 175335
Ion Ratio Lower Upper
152 100
151 20.7 15.8 23.8
153 14.4 10.5 15.7





#52
 Acenaphthene
 Concen: 9.697 ng/ul
 RT: 14.340 min Scan# 1930
 Delta R.T. -0.006 min
 Lab File: BN031212.D
 Acq: 25 Apr 2024 07:26

Instrument : BNA_N
 ClientSampleId : C0AA5

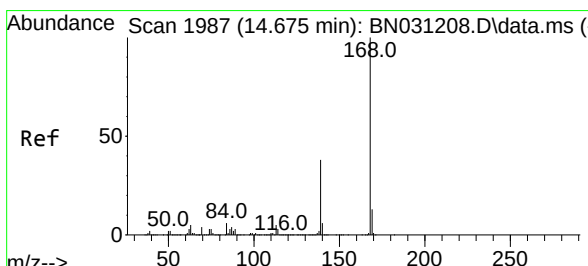
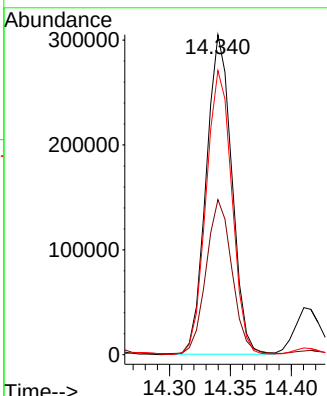
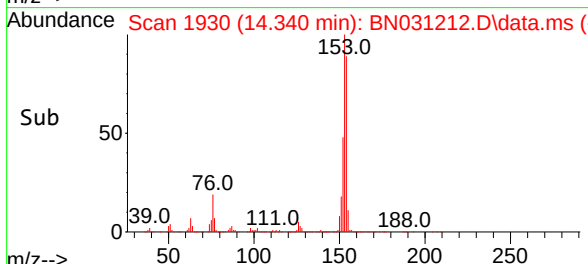


Tgt Ion:153 Resp: 446510

Ion	Ratio	Lower	Upper
153	100		
152	48.5	36.3	54.5
154	88.8	72.4	108.6

Manual Integrations
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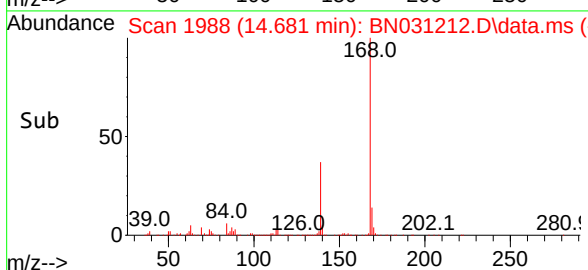
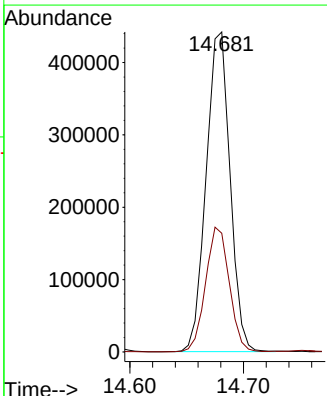
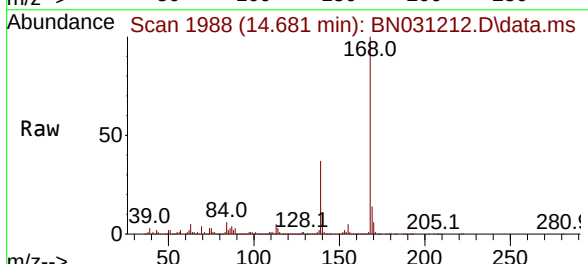
Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024

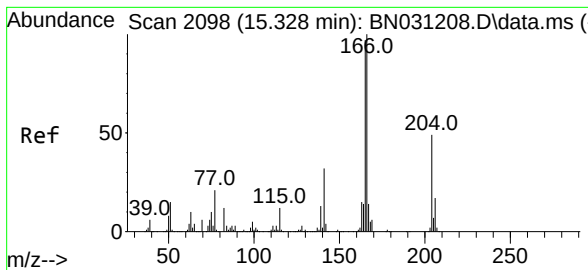


#56
 Dibenzofuran
 Concen: 10.154 ng/ul
 RT: 14.681 min Scan# 1988
 Delta R.T. -0.006 min
 Lab File: BN031212.D
 Acq: 25 Apr 2024 07:26

Tgt Ion:168 Resp: 646428

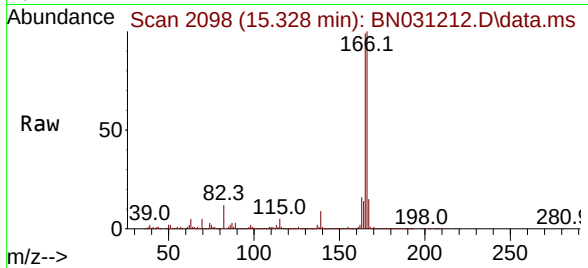
Ion	Ratio	Lower	Upper
168	100		
139	37.1	31.0	46.6





#61
Fluorene
Concen: 13.903 ng/u1
RT: 15.328 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BN031212.D
Acq: 25 Apr 2024 07:26

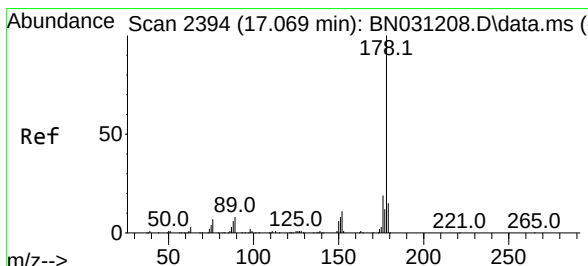
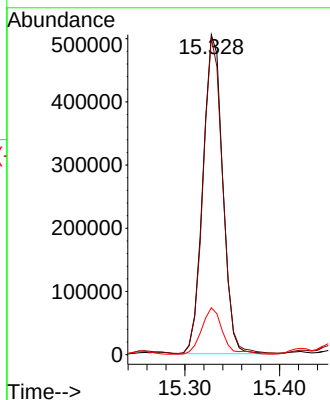
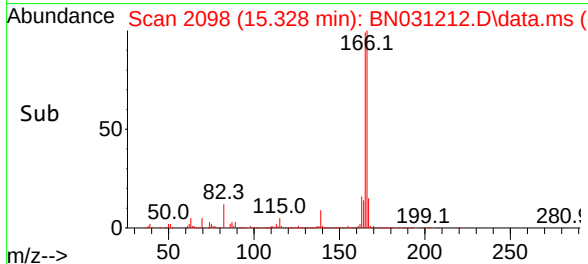
Instrument :
BNA_N
ClientSampleId :
C0AA5



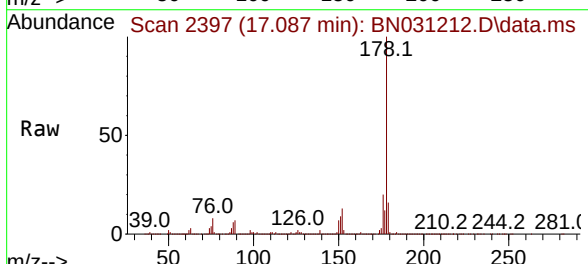
Tgt Ion:166 Resp: 728385
Ion Ratio Lower Upper
166 100
165 98.9 74.6 112.0
167 14.7 10.6 16.0

Manual Integrations
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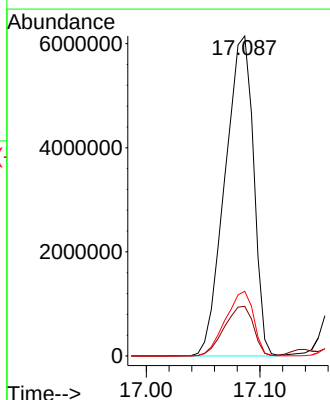
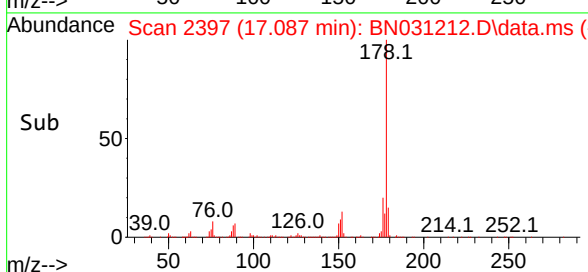
Reviewed By :Yogesh Patel 04/26/2024
Supervised By :mohammad ahmed 04/27/2024

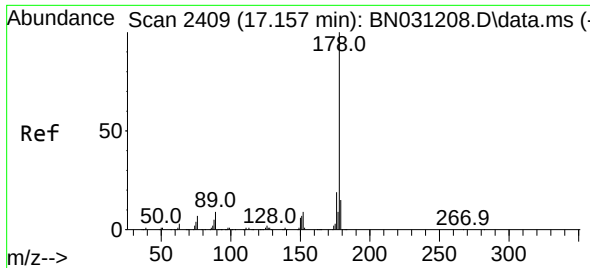


#72
Phenanthrene
Concen: 129.457 ng/u1
RT: 17.087 min Scan# 2397
Delta R.T. 0.012 min
Lab File: BN031212.D
Acq: 25 Apr 2024 07:26



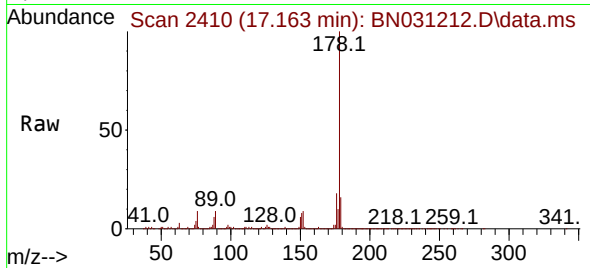
Tgt Ion:178 Resp:10745784
Ion Ratio Lower Upper
178 100
179 15.5 12.4 18.6
176 20.2 14.6 21.8





#74
 Anthracene
 Concen: 19.410 ng/u1
 RT: 17.163 min Scan# 2410
 Delta R.T. -0.006 min
 Lab File: BN031212.D
 Acq: 25 Apr 2024 07:26

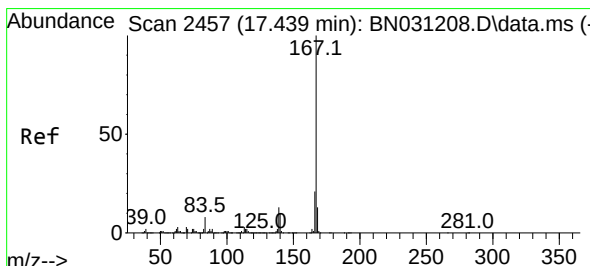
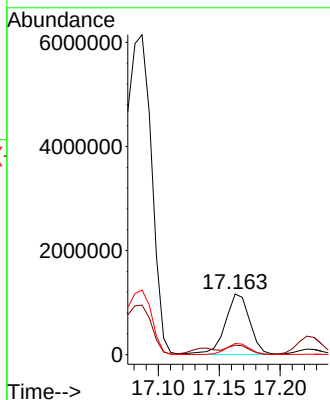
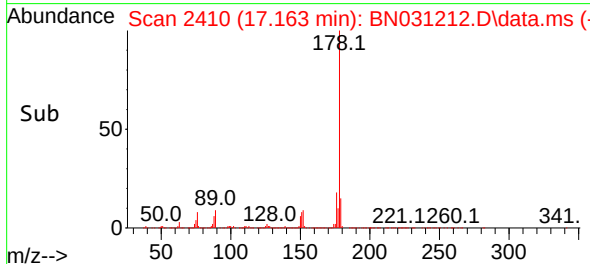
Instrument :
 BNA_N
 ClientSampleId :
 C0AA5



Tgt Ion:178 Resp: 163045
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.2 18.4
 176 18.4 14.4 21.6

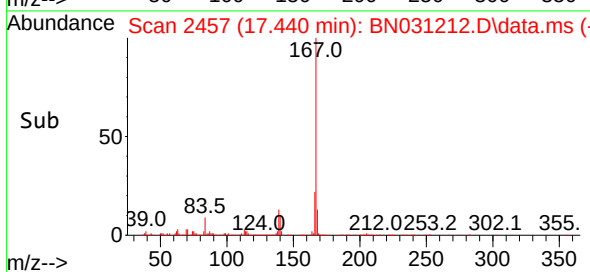
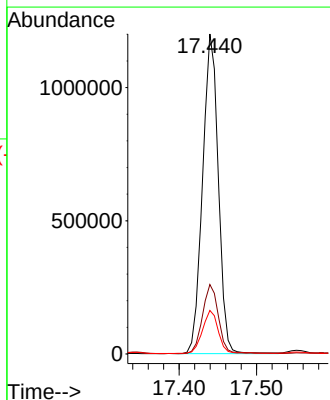
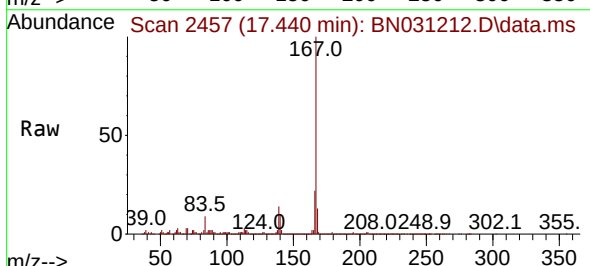
Manual Integrations
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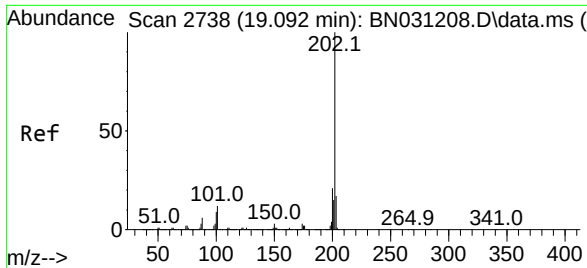
Reviewed By :Yogesh Patel 04/26/2024
 Supervised By :mohammad ahmed 04/27/2024



#77
 Carbazole
 Concen: 22.029 ng/u1
 RT: 17.440 min Scan# 2457
 Delta R.T. 0.000 min
 Lab File: BN031212.D
 Acq: 25 Apr 2024 07:26

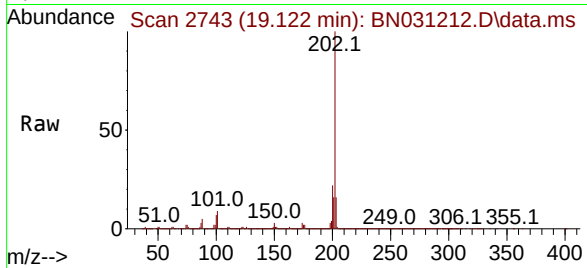
Tgt Ion:167 Resp: 1690335
 Ion Ratio Lower Upper
 167 100
 166 21.7 16.2 24.2
 139 13.6 10.6 15.8





#80
Fluoranthene
Concen: 284.297 ng/ul m
RT: 19.122 min Scan# 21
Delta R.T. 0.024 min
Lab File: BN031212.D
Acq: 25 Apr 2024 07:26

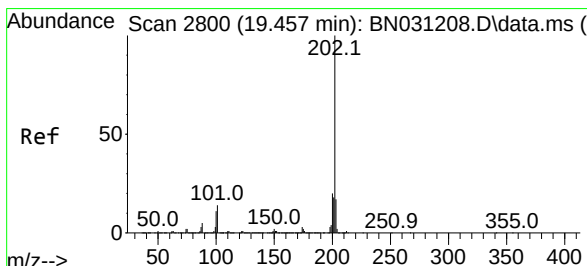
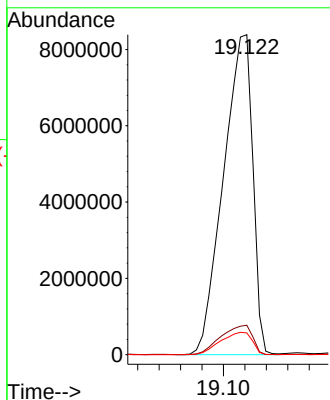
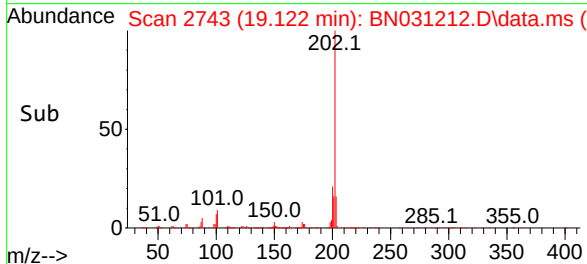
Instrument :
BNA_N
ClientSampleId :
C0AA5



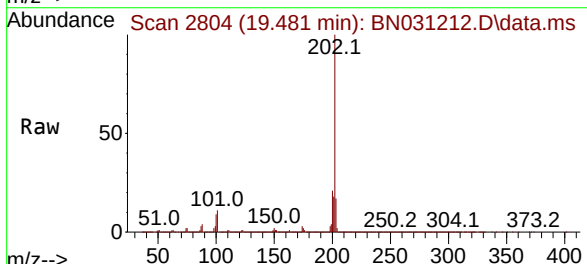
Tgt Ion:202 Resp:15928285
Ion Ratio Lower Upper
202 100
101 9.2 9.0 13.6
100 6.8 6.9 10.3

Manual Integrations
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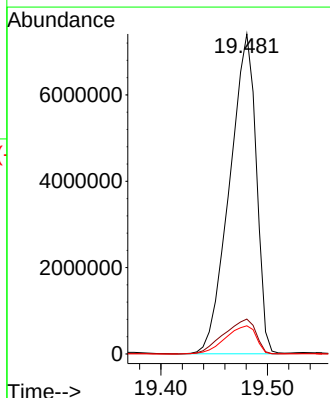
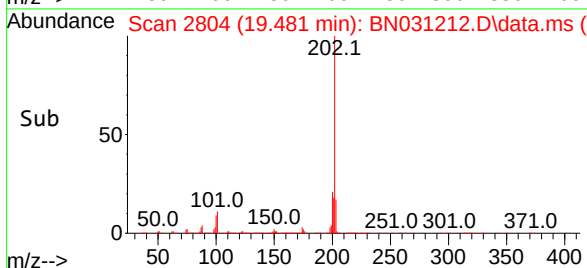
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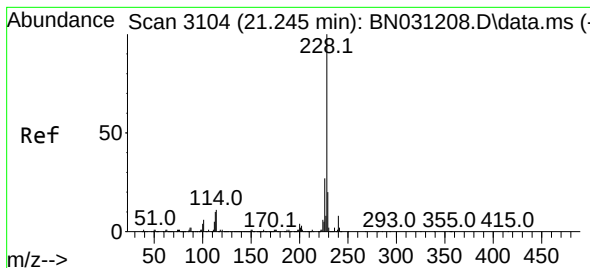


#82
Pyrene
Concen: 218.560 ng/ul
RT: 19.481 min Scan# 2804
Delta R.T. 0.018 min
Lab File: BN031212.D
Acq: 25 Apr 2024 07:26



Tgt Ion:202 Resp:12866083
Ion Ratio Lower Upper
202 100
101 10.9 11.1 16.7#
100 8.8 9.3 13.9#





#85

Benzo(a)anthracene

Concen: 99.357 ng/u1

RT: 21.263 min Scan# 3107

Delta R.T. 0.012 min

Lab File: BN031212.D

Acq: 25 Apr 2024 07:26

Instrument :

BNA_N

ClientSampleId :

C0AA5

Tgt Ion:228 Resp: 649977

Ion Ratio Lower Upper

228 100

229 21.2 16.7 25.1

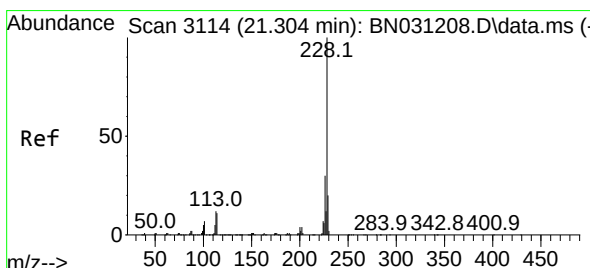
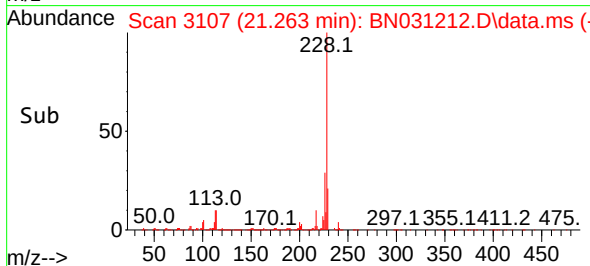
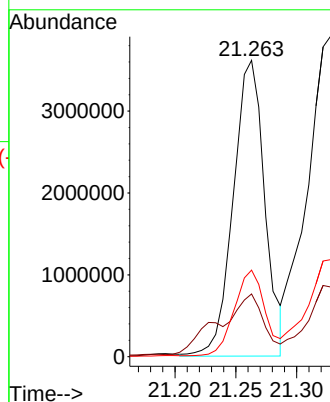
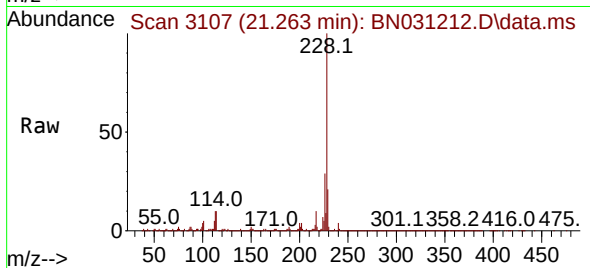
226 29.2 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#87

Chrysene

Concen: 118.885 ng/u1

RT: 21.328 min Scan# 3118

Delta R.T. 0.018 min

Lab File: BN031212.D

Acq: 25 Apr 2024 07:26

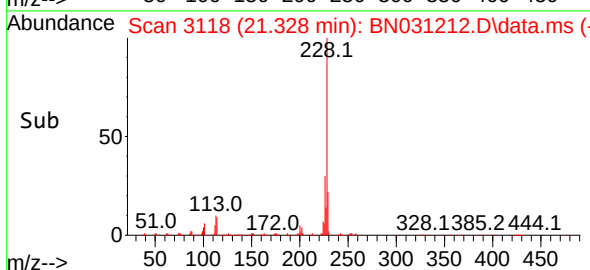
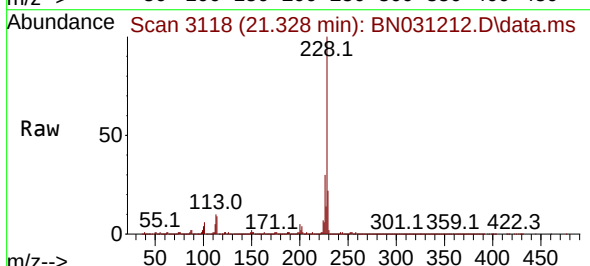
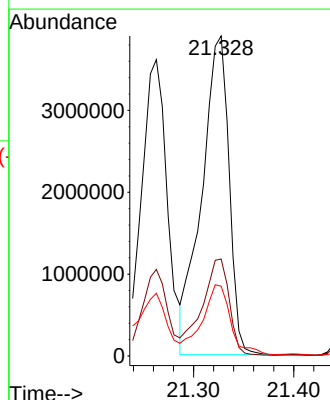
Tgt Ion:228 Resp: 7382376

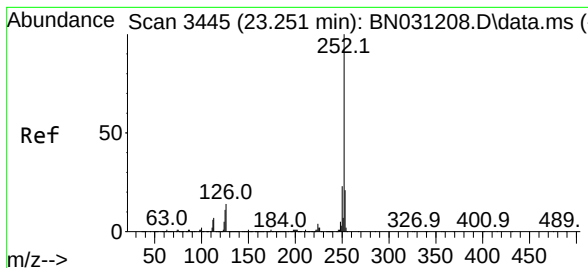
Ion Ratio Lower Upper

228 100

226 30.3 22.6 34.0

229 21.8 15.8 23.8





#90

Benzo(b)fluoranthene

Concen: 147.971 ng/ul

RT: 23.292 min Scan# 3445

Delta R.T. 0.035 min

Lab File: BN031212.D

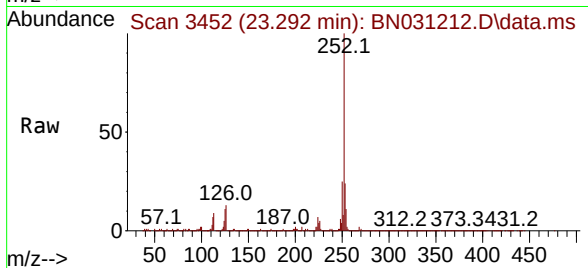
Acq: 25 Apr 2024 07:26

Instrument :

BNA_N

ClientSampleId :

C0AA5



Tgt Ion:252 Resp: 988265

Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

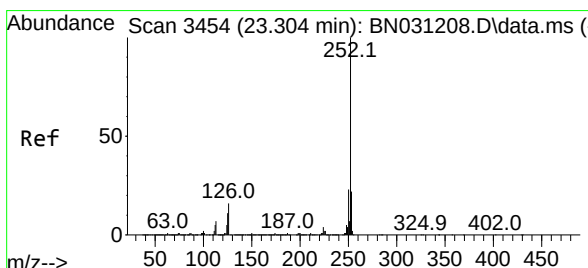
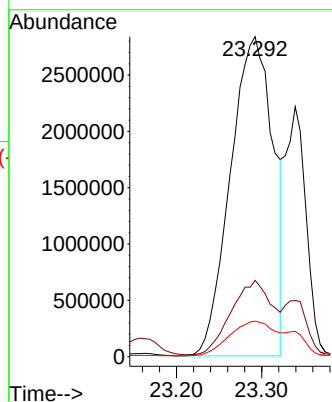
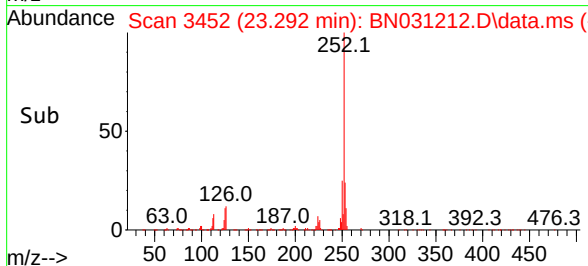
125 11.1 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#91

Benzo(k)fluoranthene

Concen: 55.697 ng/ul m

RT: 23.339 min Scan# 3460

Delta R.T. 0.030 min

Lab File: BN031212.D

Acq: 25 Apr 2024 07:26

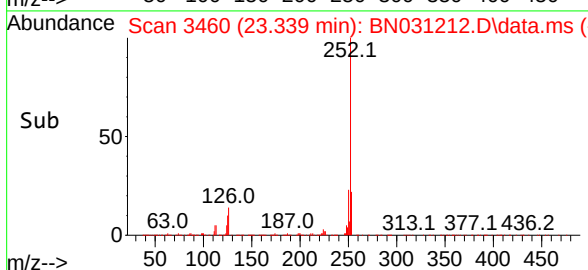
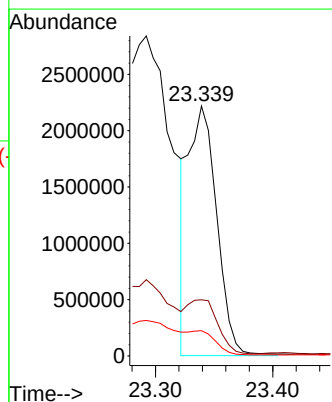
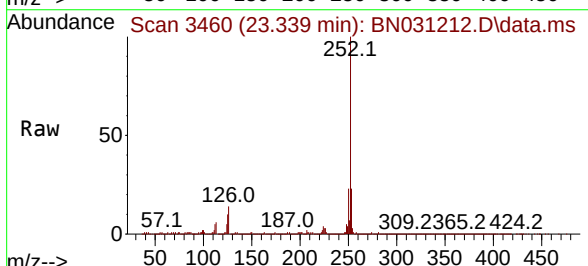
Tgt Ion:252 Resp: 3741315

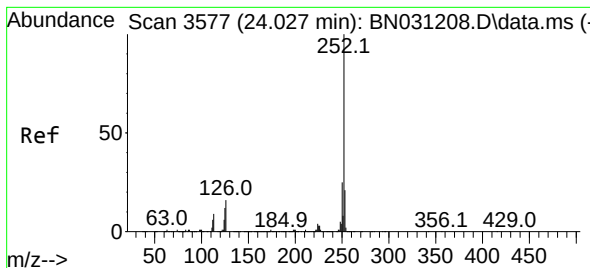
Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 10.1 9.4 14.2





#93

Benzo(a)pyrene

Concen: 97.478 ng/ul

RT: 24.074 min Scan# 3585

Delta R.T. 0.041 min

Lab File: BN031212.D

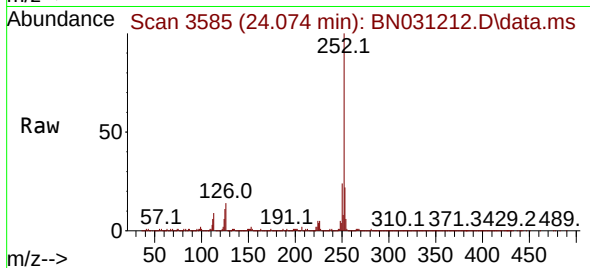
Acq: 25 Apr 2024 07:26

Instrument :

BNA_N

ClientSampleId :

C0AA5



Tgt Ion:252 Resp: 6494710

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

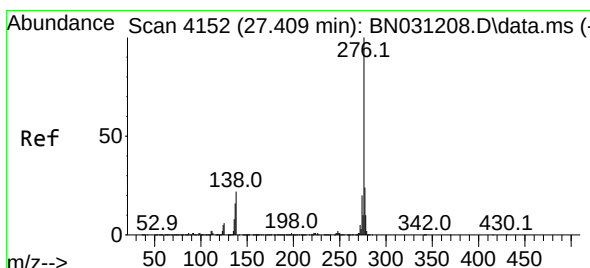
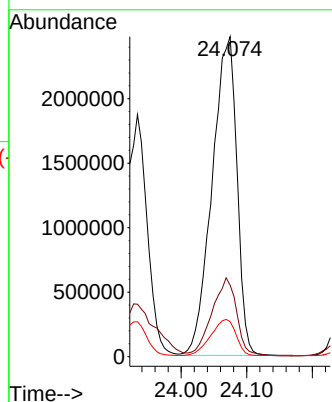
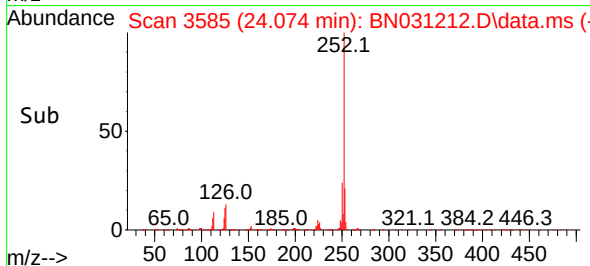
125 11.0 9.9 14.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 66.082 ng/ul

RT: 27.486 min Scan# 4165

Delta R.T. 0.065 min

Lab File: BN031212.D

Acq: 25 Apr 2024 07:26

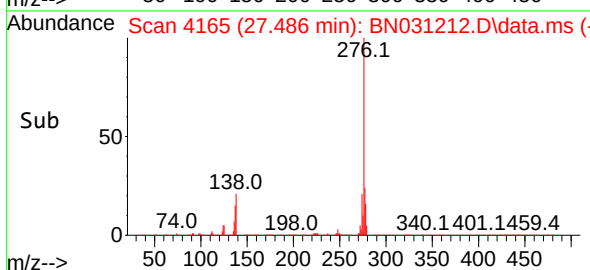
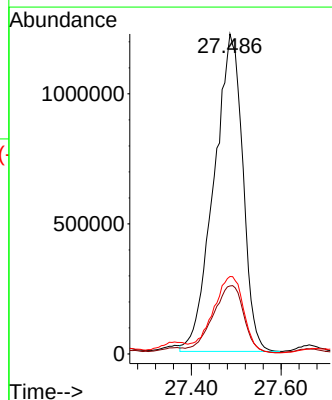
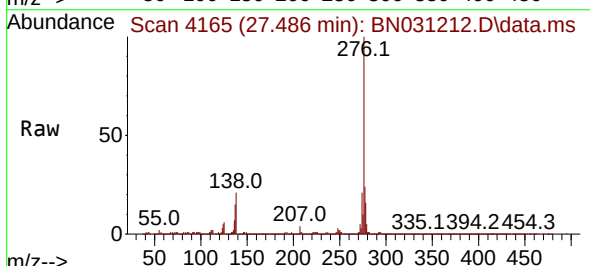
Tgt Ion:276 Resp: 5463574

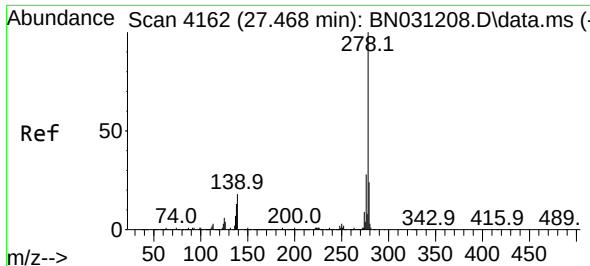
Ion Ratio Lower Upper

276 100

138 21.2 17.4 26.2

277 24.2 18.3 27.5





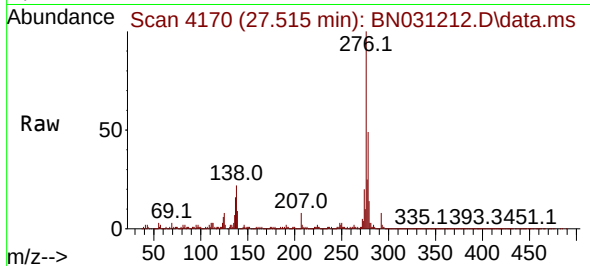
#95
 Dibenzo(a,h)anthracene
 Concen: 19.859 ng/ul
 RT: 27.515 min Scan# 4162
 Delta R.T. 0.030 min
 Lab File: BN031212.D
 Acq: 25 Apr 2024 07:26

Instrument :

BN031212.D

ClientSampleId :

C0AA5



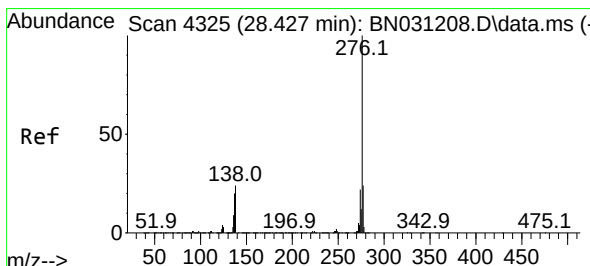
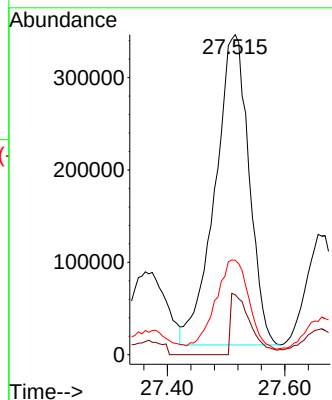
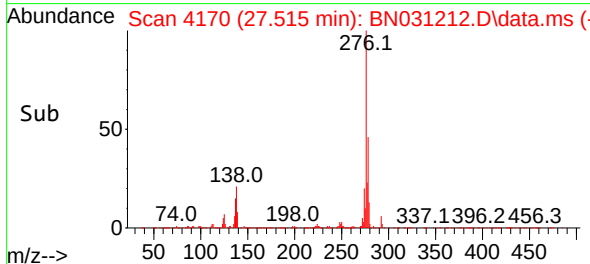
Tgt Ion:278 Resp: 134763
 Ion Ratio Lower Upper
 278 100
 139 18.8 13.3 19.9
 279 29.5 17.0 25.6

Manual Integrations

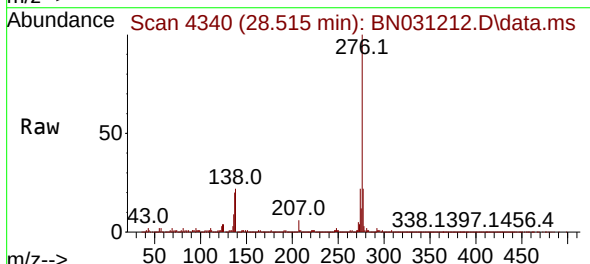
APPROVED

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024



#96
 Benzo(g,h,i)perylene
 Concen: 66.652 ng/ul
 RT: 28.515 min Scan# 4340
 Delta R.T. 0.077 min
 Lab File: BN031212.D
 Acq: 25 Apr 2024 07:26



Tgt Ion:276 Resp: 4437684
 Ion Ratio Lower Upper
 276 100
 138 22.1 19.0 28.6
 277 22.0 19.3 28.9

