

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101822\
 Data File : BN022176.D
 Acq On : 18 Oct 2022 14:20
 Operator : CG/JU
 Sample : N5049-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BP7

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/19/2022
 Supervised By :mohammad ahmed 10/19/2022

Quant Time: Oct 19 00:56:47 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101222.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 13 03:08:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.951	152	182015	20.000	ng/u1	0.00
20) Naphthalene-d8	10.781	136	848001	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.628	164	523212	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.380	188	1048590	20.000	ng/u1	-0.01
79) Chrysene-d12	21.586	240	868228	20.000	ng/u1	0.00
88) Perylene-d12	24.051	264	730404	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.252	96	15551	3.238	ng/uL	0.00
4) Pyridine-d5	3.710	84	26688	1.787	ng/u1	0.02
7) Phenol-d5	7.104	99	274424	15.422	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.275	67	210196	18.851	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.475	132	238425	19.325	ng/u1	0.00
15) 4-Methylphenol-d8	8.669	113	182649	12.918	ng/u1	-0.01
21) Nitrobenzene-d5	9.134	128	132120	21.248	ng/u1	0.00
24) 2-Nitrophenol-d4	9.857	143	140822	22.096	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.398	165	237120	19.821	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.922	131	228782	11.697	ng/u1	-0.01
46) Dimethylphthalate-d6	14.039	166	808536	22.169	ng/u1	0.00
49) Acenaphthylene-d8	14.322	160	898196	22.053	ng/u1	0.00
54) 4-Nitrophenol-d4	14.828	143	51341	6.595	ng/u1	0.00
60) Fluorene-d10	15.622	176	698439	22.704	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	67662	11.311	ng/u1	0.00
73) Anthracene-d10	17.480	188	1067586	23.428	ng/u1	0.00
81) Pyrene-d10	19.786	212	1127395	26.081	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.892	264	806640	22.519	ng/u1	0.00
Target Compounds					Qvalue	
8) Phenol	7.134	94	20415	1.081	ng/u1	97
16) Acetophenone	8.793	105	27422	1.214	ng/u1	96
30) Naphthalene	10.834	128	46735	1.029	ng/u1	99
36) 2-Methylnaphthalene	12.445	142	35229	1.123	ng/u1	96
50) Acenaphthylene	14.351	152	139571	3.001	ng/u1	99
61) Fluorene	15.675	166	51239	1.416	ng/u1	90
72) Phenanthrene	17.427	178	793172	14.022	ng/u1	97
74) Anthracene	17.516	178	244570	4.353	ng/u1	97
77) Carbazole	17.792	167	69784	1.343	ng/u1	99
80) Fluoranthene	19.451	202	1950817	35.952	ng/u1	95
82) Pyrene	19.816	202	1609506	28.352	ng/u1	98
85) Benzo(a)anthracene	21.568	228	1029453	18.556	ng/u1#	91
87) Chrysene	21.621	228	796285	14.936	ng/u1	96
90) Benzo(b)fluoranthene	23.304	252	1181298	25.643	ng/u1	99
91) Benzo(k)fluoranthene	23.339	252	341947m	7.513	ng/u1	
93) Benzo(a)pyrene	23.945	252	643452	15.628	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.633	276	409834	7.964	ng/u1	94
95) Dibenzo(a,h)anthracene	26.639	278	116159m	2.523	ng/u1	
96) Benzo(g,h,i)perylene	27.439	276	280684	6.063	ng/u1	98

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

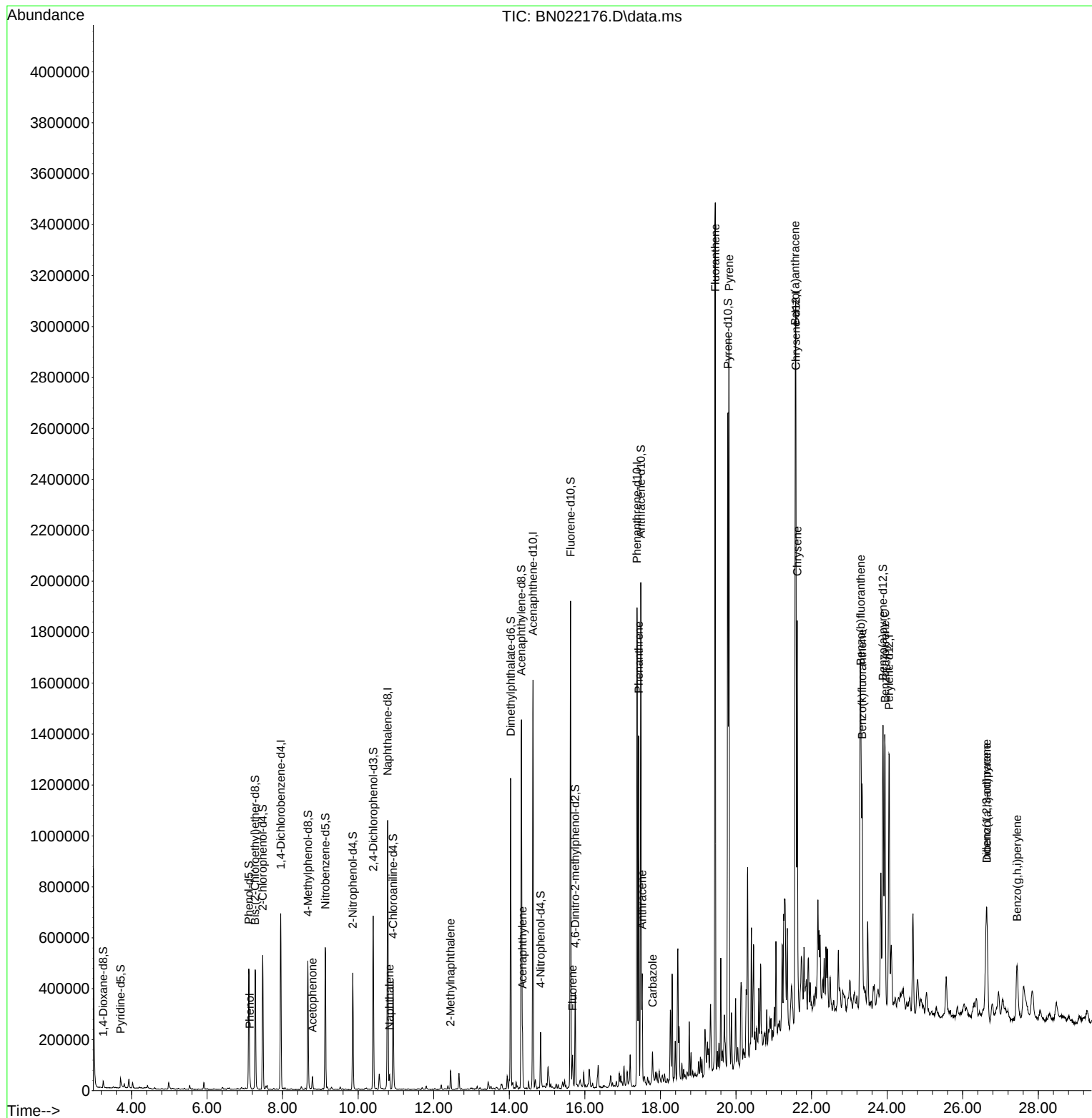
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101822\
 Data File : BN022176.D
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 ALS Vial : 8 Sample Multiplier: 1

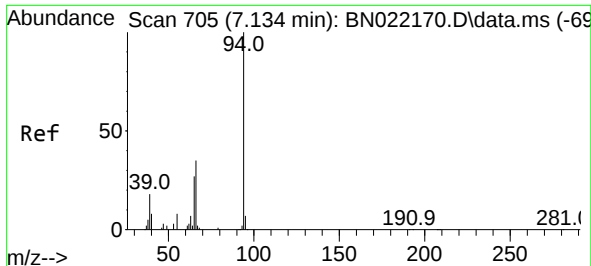
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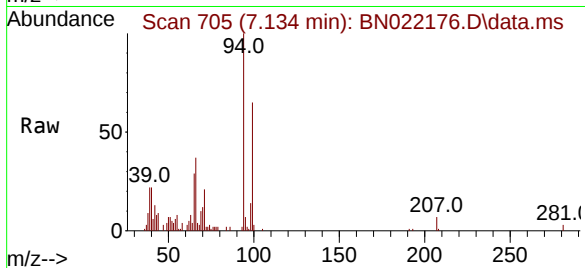
Reviewed By :Jagrut Upadhyay 10/19/2022
 Supervised By :mohammad ahmed 10/19/2022





#8
Phenol
Concen: 1.081 ng/ul
RT: 7.134 min Scan# 705
Delta R.T. -0.006 min
Lab File: BN022176.D
Acq: 18 Oct 2022 14:20

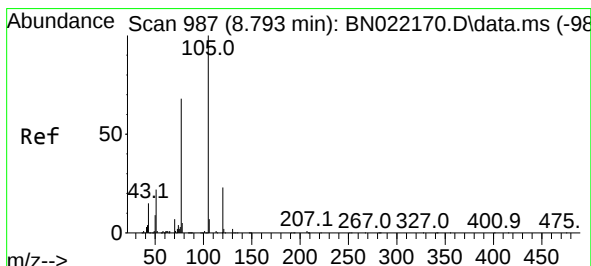
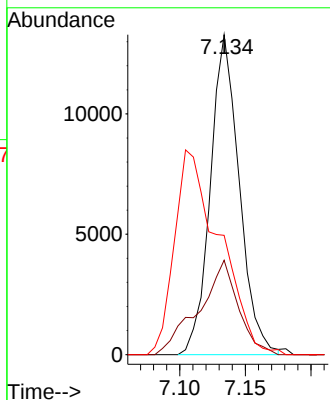
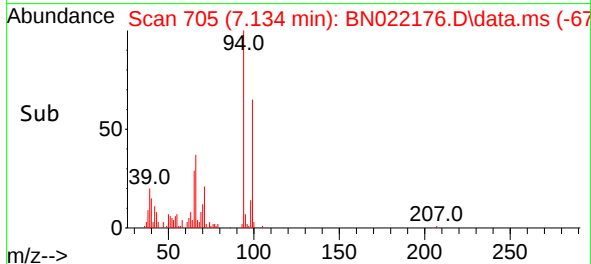
Instrument :
BNA_N
ClientSampleId :
C0BP7



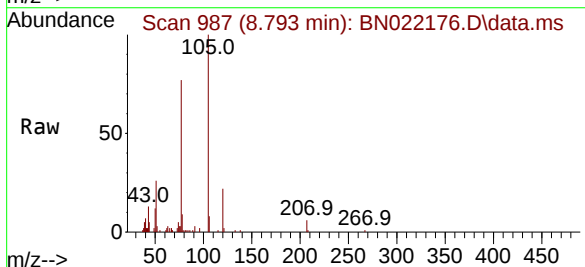
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Ion Ratio Lower Upper
94 100
65 29.5 22.1 33.1
66 37.3 29.0 43.6

Manual Integrations
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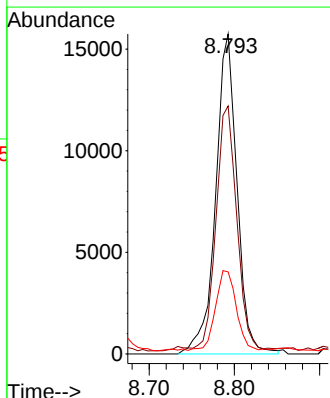
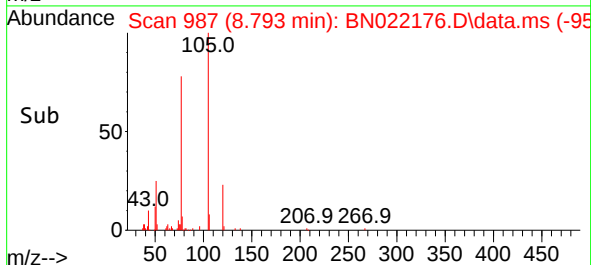
Reviewed By :Jagrut Upadhyay 10/19/2022
Supervised By :mohammad ahmed 10/19/2022

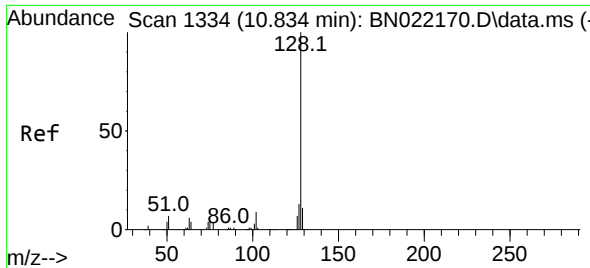


#16
Acetophenone
Concen: 1.214 ng/ul
RT: 8.793 min Scan# 987
Delta R.T. -0.006 min
Lab File: BN022176.D
Acq: 18 Oct 2022 14:20



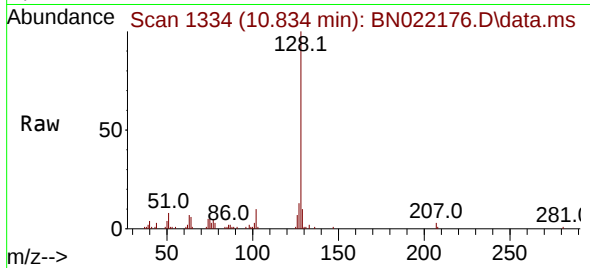
Tgt Ion:105 Resp: 27422
Ion Ratio Lower Upper
105 100
77 77.5 64.9 97.3
51 25.6 21.8 32.6





#30
Naphthalene
Concen: 1.029 ng/ul
RT: 10.834 min Scan# 11
Delta R.T. -0.006 min
Lab File: BN022176.D
Acq: 18 Oct 2022 14:20

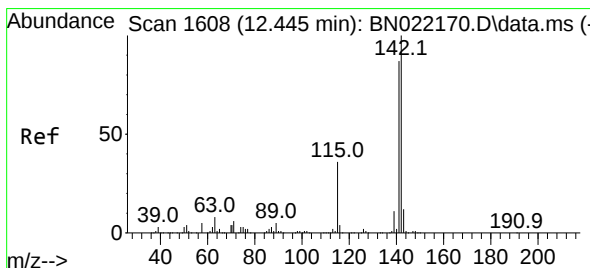
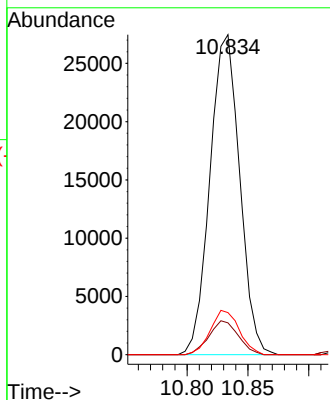
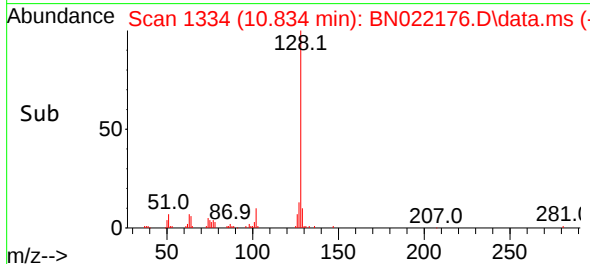
Instrument :
BNA_N
ClientSampleId :
C0BP7



Tgt Ion:128 Resp: 46735
Ion Ratio Lower Upper
128 100
129 9.9 8.5 12.7
127 13.2 10.8 16.2

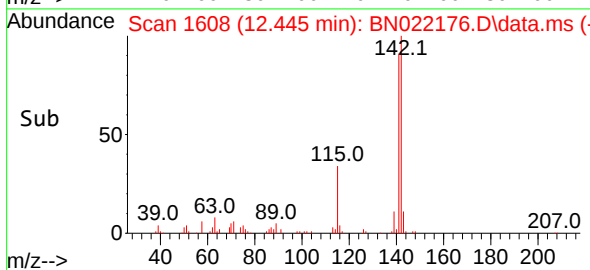
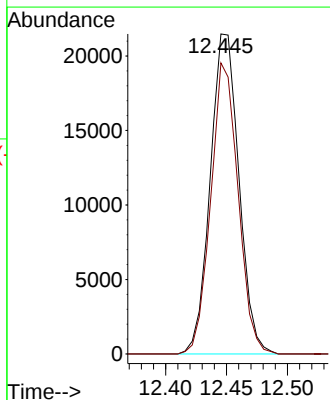
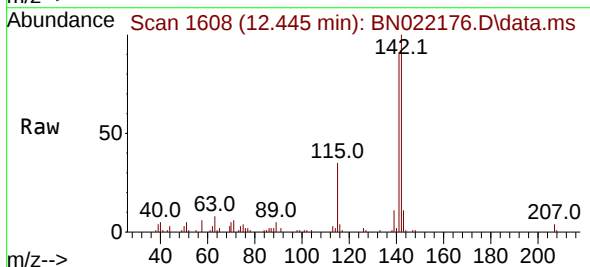
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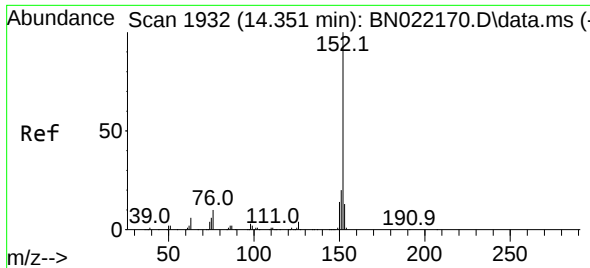
Reviewed By :Jagrut Upadhyay 10/19/2022
Supervised By :mohammad ahmed 10/19/2022



#36
2-Methylnaphthalene
Concen: 1.123 ng/ul
RT: 12.445 min Scan# 1608
Delta R.T. -0.012 min
Lab File: BN022176.D
Acq: 18 Oct 2022 14:20

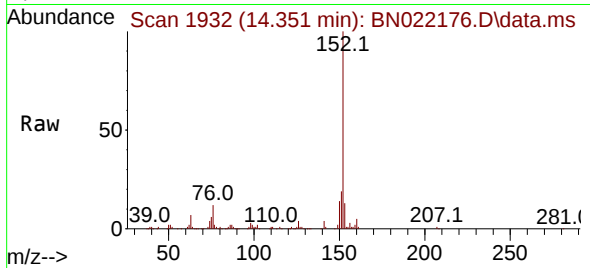
Tgt Ion:142 Resp: 35229
Ion Ratio Lower Upper
142 100
141 90.9 69.7 104.5





#50
Acenaphthylene
Concen: 3.001 ng/ul
RT: 14.351 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BN022176.D
Acq: 18 Oct 2022 14:20

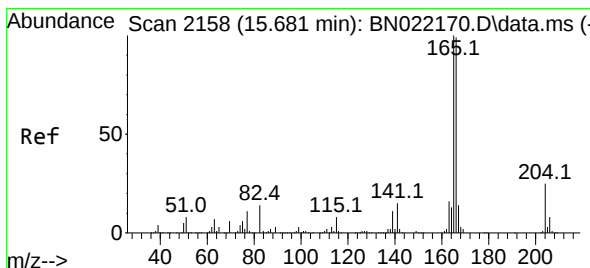
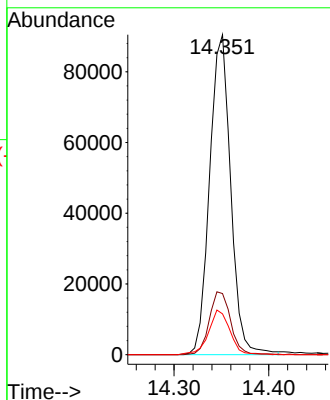
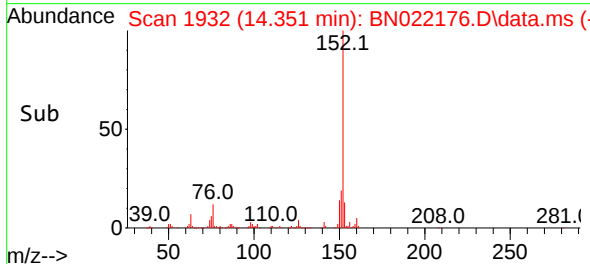
Instrument :
BNA_N
ClientSampleId :
C0BP7



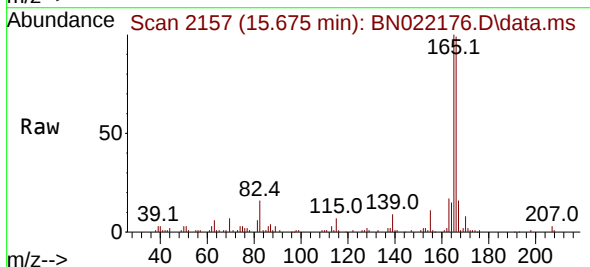
Tgt Ion:152 Resp: 13957
Ion Ratio Lower Upper
152 100
151 19.1 15.5 23.3
153 12.7 9.8 14.8

Manual Integrations
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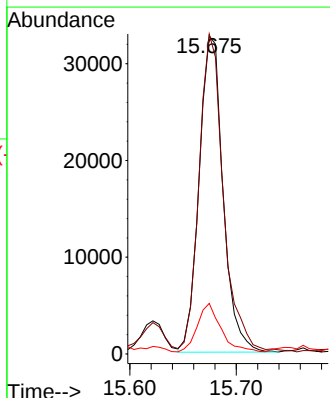
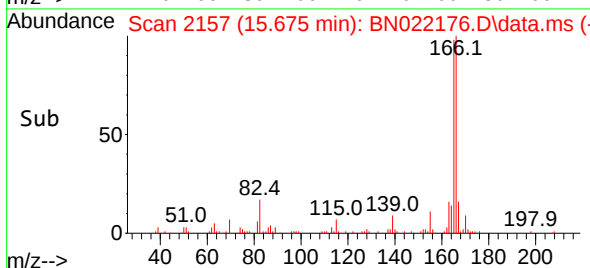
Reviewed By :Jagrut Upadhyay 10/19/2022
Supervised By :mohammad ahmed 10/19/2022

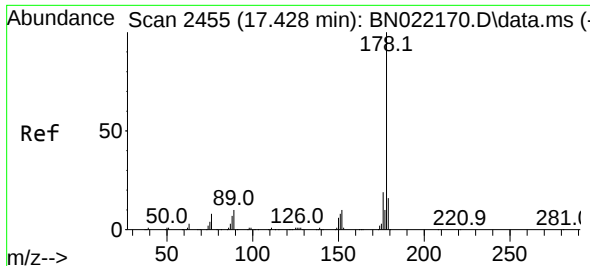


#61
Fluorene
Concen: 1.416 ng/ul
RT: 15.675 min Scan# 2157
Delta R.T. -0.012 min
Lab File: BN022176.D
Acq: 18 Oct 2022 14:20



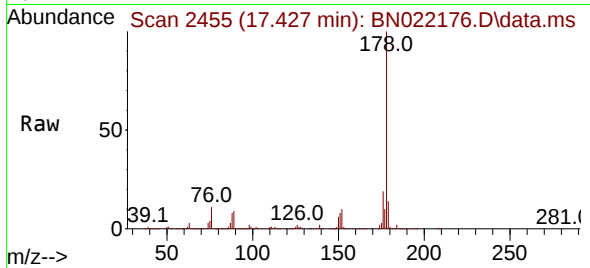
Tgt Ion:166 Resp: 51239
Ion Ratio Lower Upper
166 100
165 100.6 72.8 109.2
167 15.9 10.6 16.0





#72
Phenanthrene
Concen: 14.022 ng/u1
RT: 17.427 min Scan# 2455
Delta R.T. -0.006 min
Lab File: BN022176.D
Acq: 18 Oct 2022 14:20

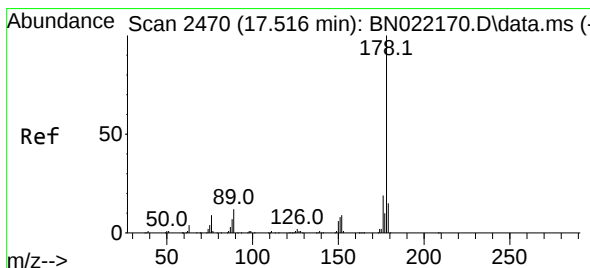
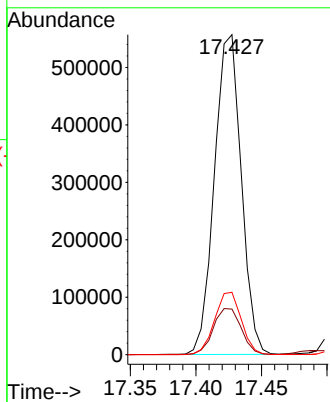
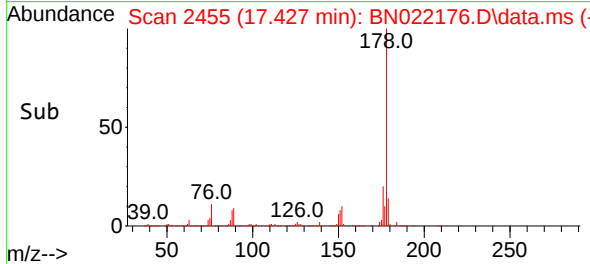
Instrument :
BNA_N
ClientSampleId :
C0BP7



Tgt Ion:178 Resp: 793172
Ion Ratio Lower Upper
178 100
179 14.2 12.3 18.5
176 19.5 16.5 24.7

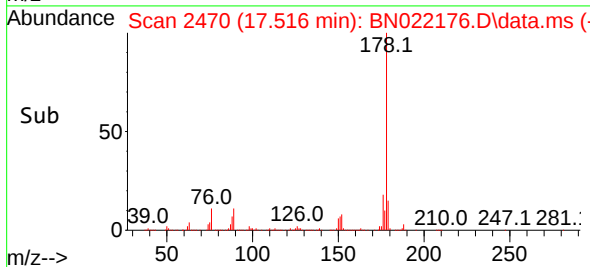
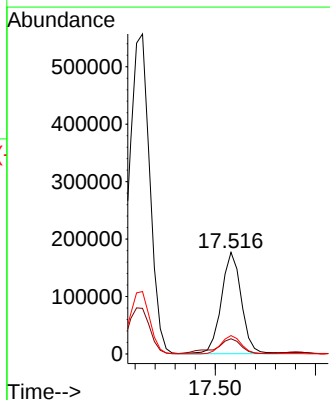
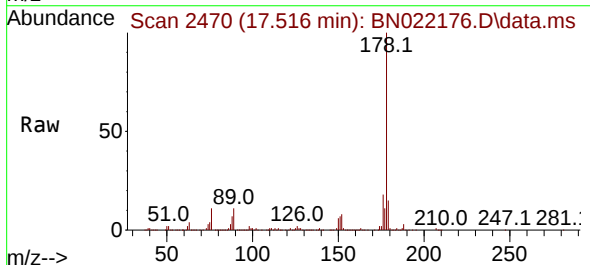
Manual Integrations
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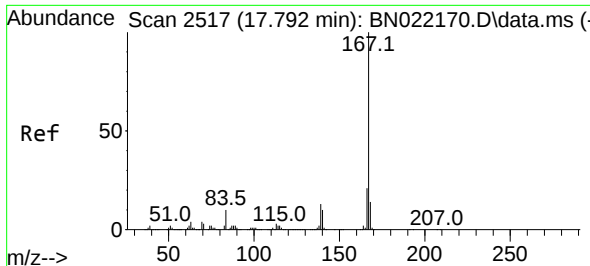
Reviewed By :Jagrut Upadhyay 10/19/2022
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#74
Anthracene
Concen: 4.353 ng/u1
RT: 17.516 min Scan# 2470
Delta R.T. -0.006 min
Lab File: BN022176.D
Acq: 18 Oct 2022 14:20

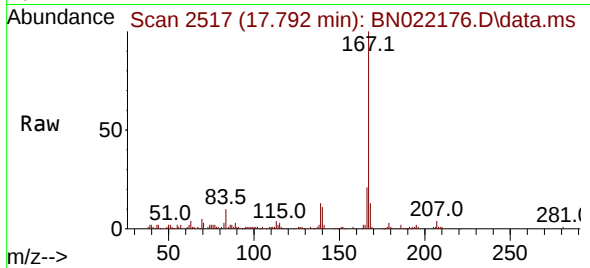
Tgt Ion:178 Resp: 244570
Ion Ratio Lower Upper
178 100
179 15.0 13.0 19.6
176 18.1 15.8 23.6





#77
 Carbazole
 Concen: 1.343 ng/ul
 RT: 17.792 min Scan# 2517
 Delta R.T. -0.006 min
 Lab File: BN022176.D
 Acq: 18 Oct 2022 14:20

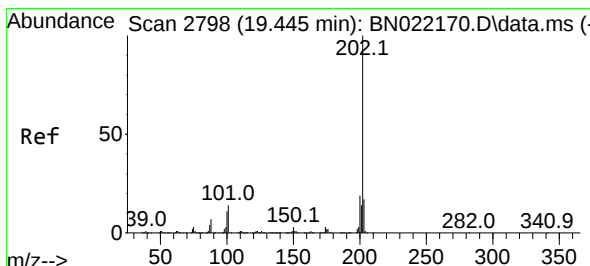
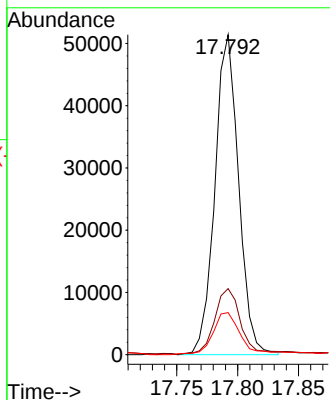
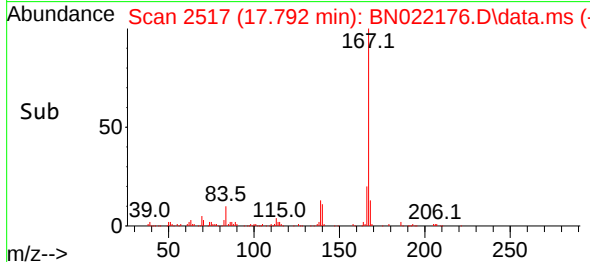
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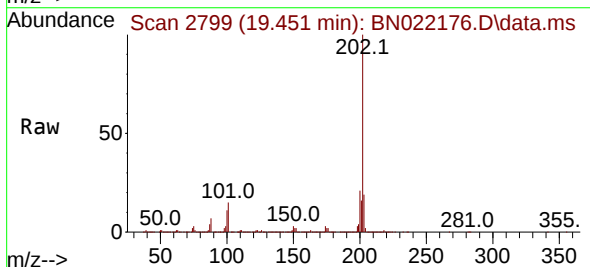
Tgt Ion:167 Resp: 69784
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.3 25.9
 139 13.2 10.7 16.1

Manual Integrations
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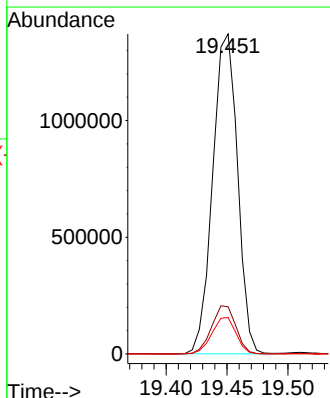
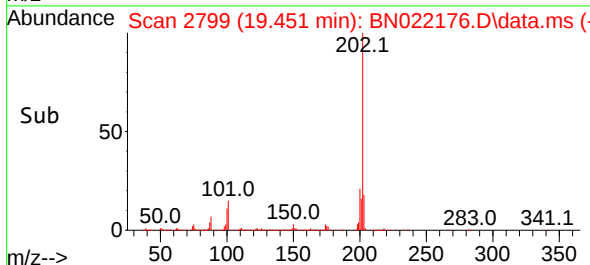
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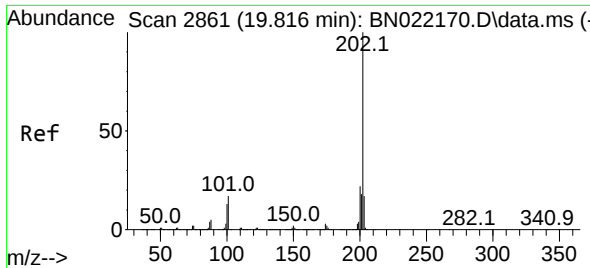


#80
 Fluoranthene
 Concen: 35.952 ng/ul
 RT: 19.451 min Scan# 2799
 Delta R.T. -0.006 min
 Lab File: BN022176.D
 Acq: 18 Oct 2022 14:20



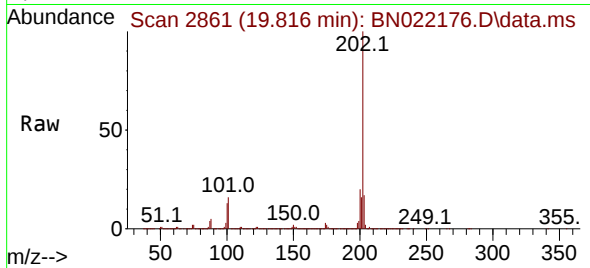
Tgt Ion:202 Resp: 1950817
 Ion Ratio Lower Upper
 202 100
 101 14.8 10.3 15.5
 100 11.4 7.8 11.8





#82
Pyrene
Concen: 28.352 ng/ul
RT: 19.816 min Scan# 2861
Delta R.T. -0.000 min
Lab File: BN022176.D
Acq: 18 Oct 2022 14:20

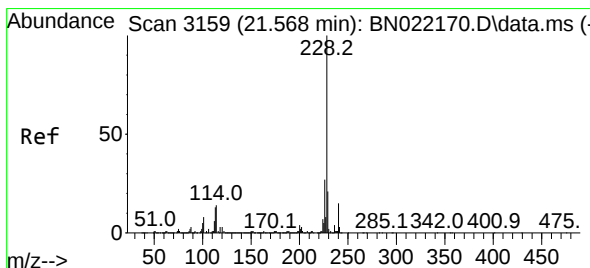
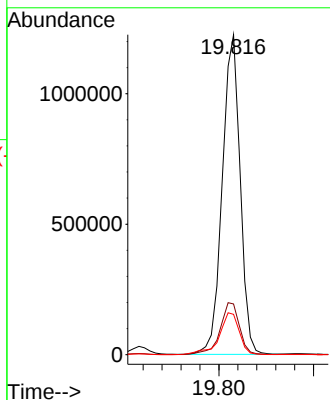
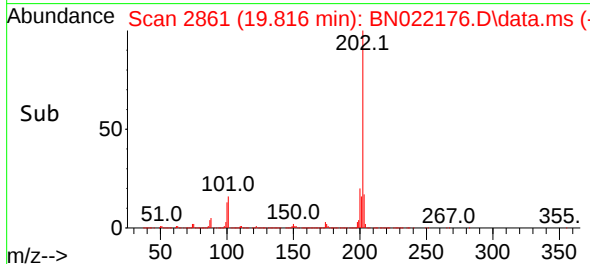
Instrument :
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ClientSampleId :
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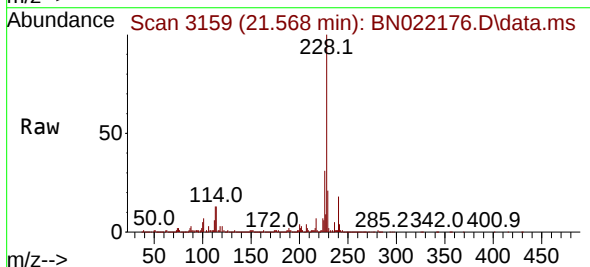
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Ion Ratio Lower Upper
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101 15.8 13.4 20.0
100 12.6 10.9 16.3

Manual Integrations
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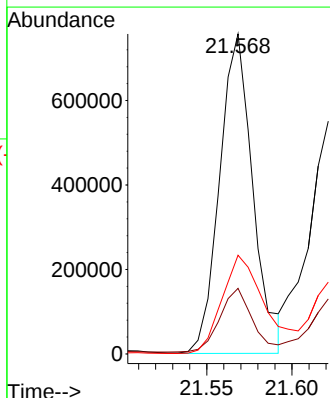
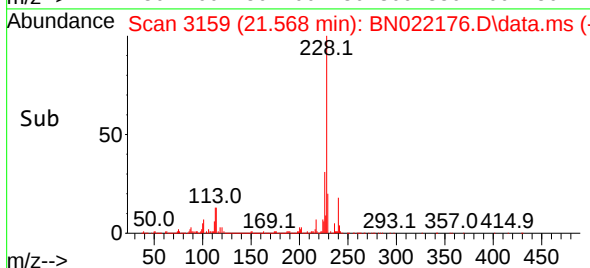
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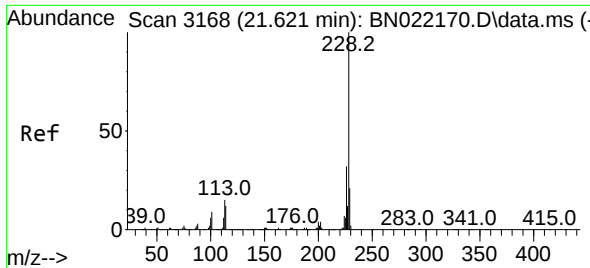


#85
Benzo(a)anthracene
Concen: 18.556 ng/ul
RT: 21.568 min Scan# 3159
Delta R.T. -0.006 min
Lab File: BN022176.D
Acq: 18 Oct 2022 14:20



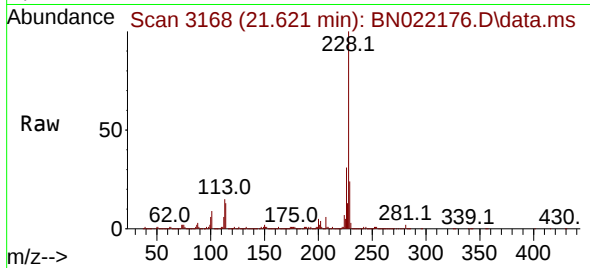
Tgt Ion:228 Resp: 1029453
Ion Ratio Lower Upper
228 100
229 20.5 13.5 20.3#
226 30.8 21.0 31.6





#87
Chrysene
Concen: 14.936 ng/ul
RT: 21.621 min Scan# 3168
Delta R.T. -0.006 min
Lab File: BN022176.D
Acq: 18 Oct 2022 14:20

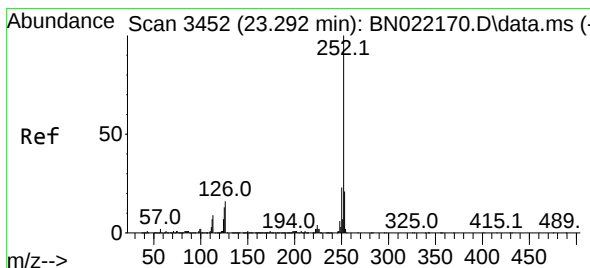
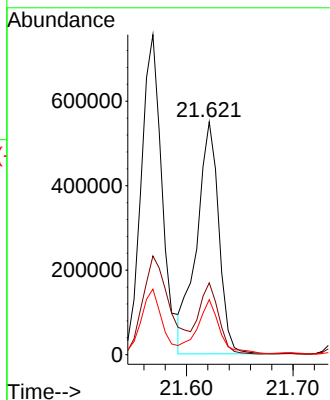
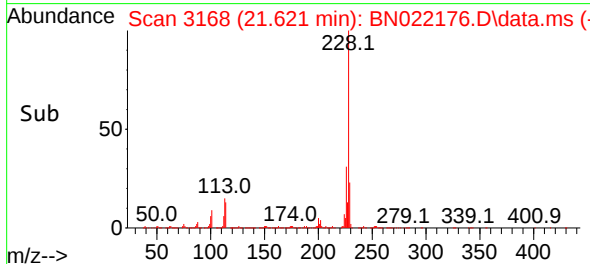
Instrument :
BNA_N
ClientSampleId :
C0BP7



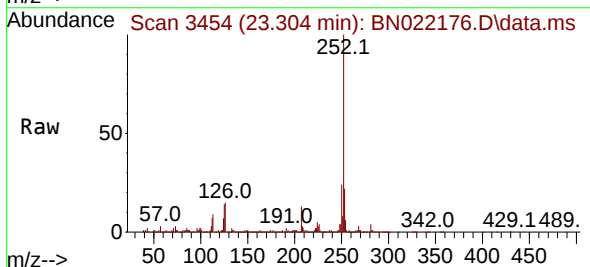
Tgt Ion:228 Resp: 796285
Ion Ratio Lower Upper
228 100
226 30.8 23.8 35.8
229 23.7 16.5 24.7

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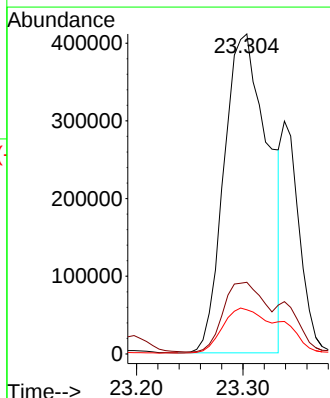
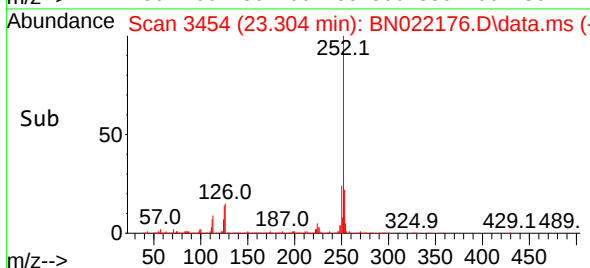
Reviewed By :Jagrut Upadhyay 10/19/2022
Supervised By :mohammad ahmed 10/19/2022

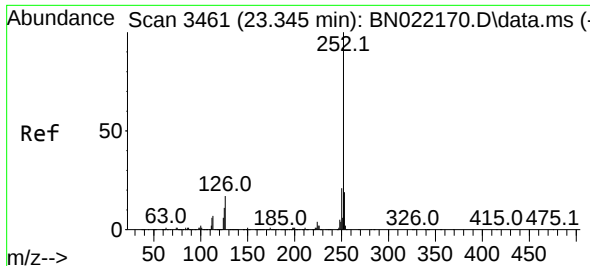


#90
Benzo(b)fluoranthene
Concen: 25.643 ng/ul
RT: 23.304 min Scan# 3454
Delta R.T. 0.006 min
Lab File: BN022176.D
Acq: 18 Oct 2022 14:20



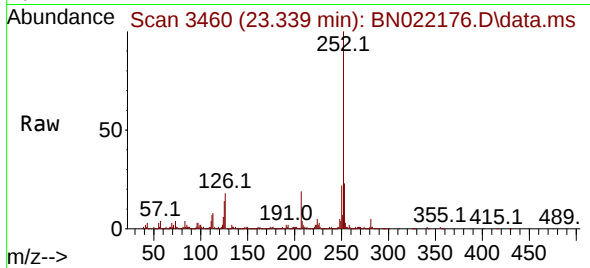
Tgt Ion:252 Resp: 1181298
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 13.8 10.7 16.1





#91
Benzo(k)fluoranthene
Concen: 7.513 ng/ul m
RT: 23.339 min Scan# 3461
Delta R.T. -0.012 min
Lab File: BN022176.D
Acq: 18 Oct 2022 14:20

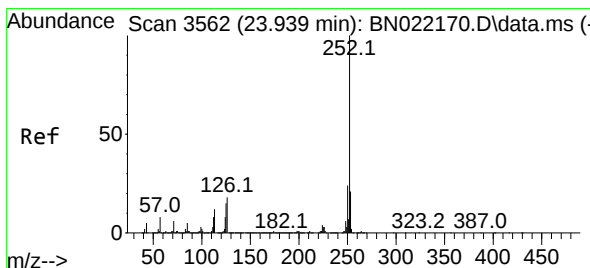
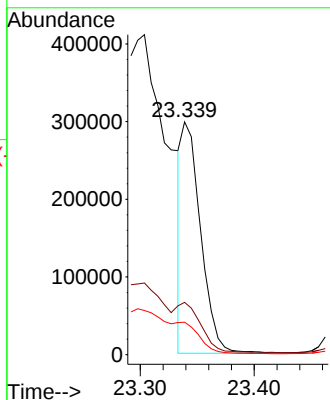
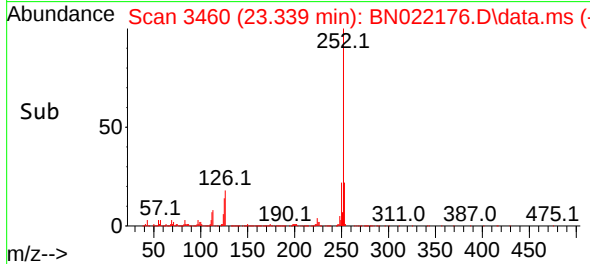
Instrument :
BNA_N
ClientSampleId :
C0BP7



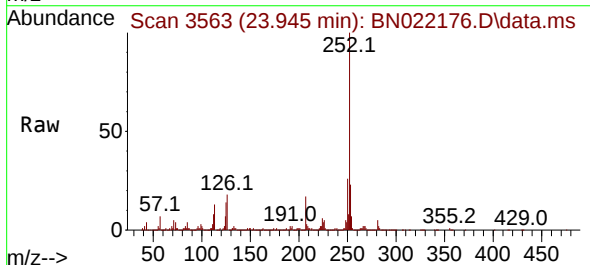
Tgt Ion:252 Resp: 34194
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 14.0 10.6 15.8

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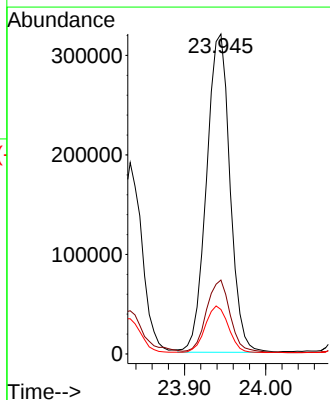
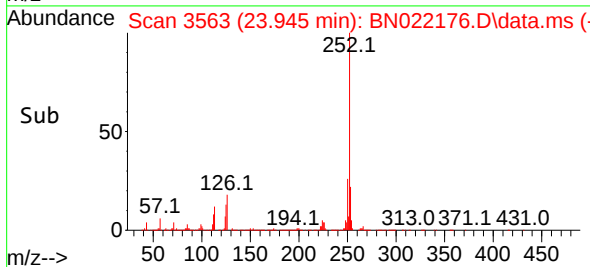
Reviewed By :Jagrut Upadhyay 10/19/2022
Supervised By :mohammad ahmed 10/19/2022

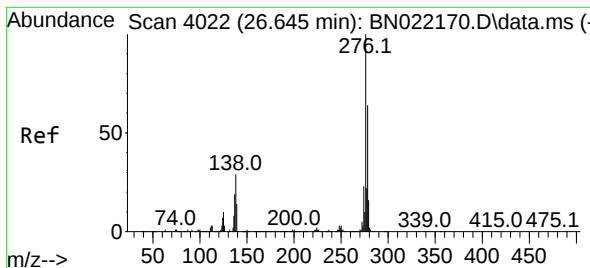


#93
Benzo(a)pyrene
Concen: 15.628 ng/ul
RT: 23.945 min Scan# 3563
Delta R.T. -0.006 min
Lab File: BN022176.D
Acq: 18 Oct 2022 14:20



Tgt Ion:252 Resp: 643452
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 13.9 10.8 16.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 7.964 ng/ul

RT: 26.633 min Scan# 4020

Delta R.T. -0.030 min

Lab File: BN022176.D

Acq: 18 Oct 2022 14:20

Instrument :

BNA_N

ClientSampleId :

C0BP7

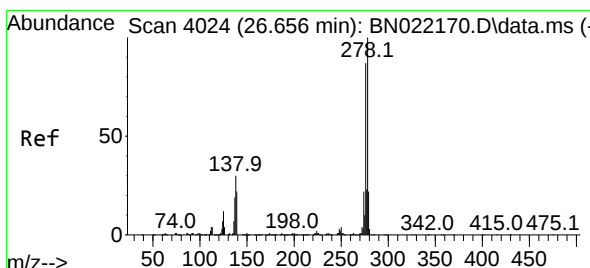
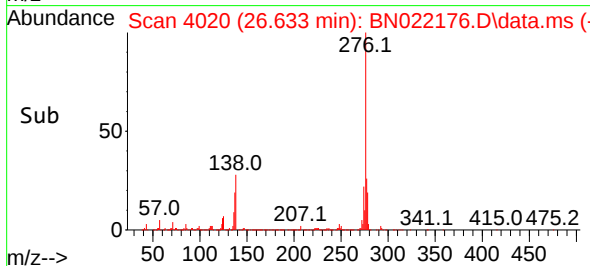
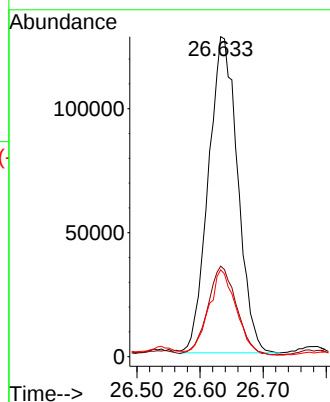
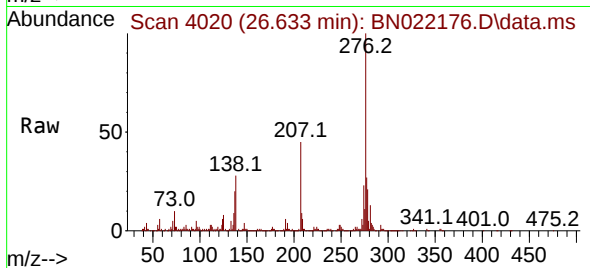
Tgt Ion:276 Resp: 409834

Ion	Ratio	Lower	Upper
276	100		
138	28.3	24.6	36.8
277	27.2	18.4	27.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/19/2022
Supervised By :mohammad ahmed 10/19/2022



#95

Dibenzo(a,h)anthracene

Concen: 2.523 ng/ul m

RT: 26.639 min Scan# 4021

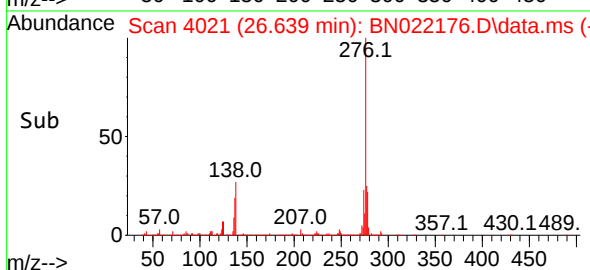
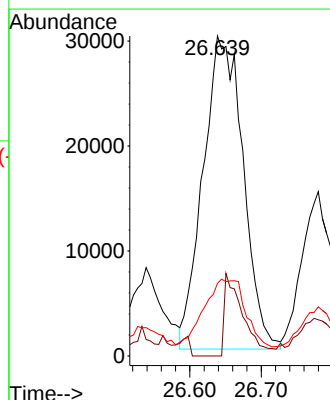
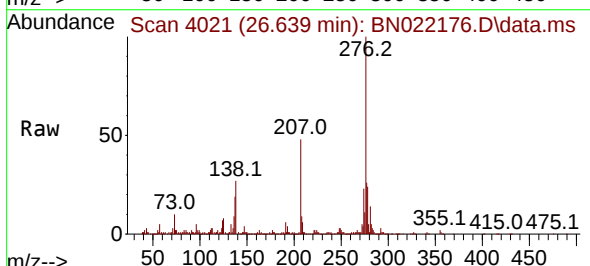
Delta R.T. -0.036 min

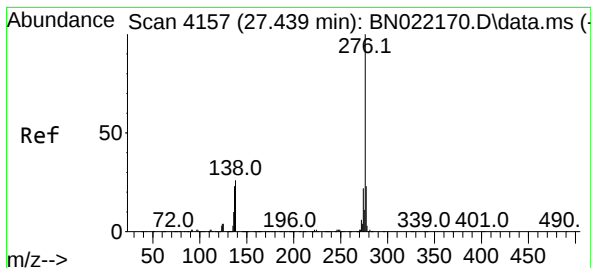
Lab File: BN022176.D

Acq: 18 Oct 2022 14:20

Tgt Ion:278 Resp: 116159

Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	22.7	16.5	24.7





#96

Benzo(g,h,i)perylene

Concen: 6.063 ng/ul

RT: 27.439 min Scan# 41

Delta R.T. -0.018 min

Lab File: BN022176.D

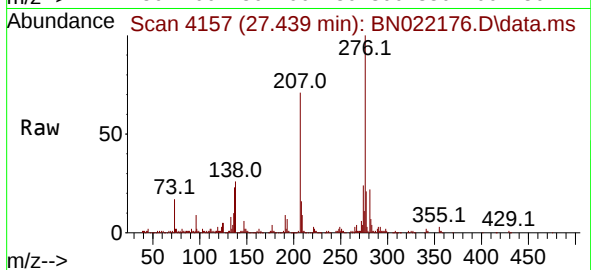
Acq: 18 Oct 2022 14:20

Instrument :

BNA_N

ClientSampleId :

C0BP7



Tgt Ion:276 Resp: 280684

Ion Ratio Lower Upper

276 100

138 26.3 21.2 31.8

277 21.0 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/19/2022

Supervised By :mohammad ahmed 10/19/2022

