

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101422\
 Data File : BN022122.D
 Acq On : 14 Oct 2022 13:41
 Operator : CG/JU
 Sample : N5049-11
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BP7

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/15/2022
 Supervised By :mohammad ahmed 10/16/2022

Quant Time: Oct 15 00:25:53 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	7.958	152	129444	20.000	ng/u1	0.00
20) Naphthalene-d8	10.787	136	624485	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.628	164	387261	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.386	188	753043	20.000	ng/u1	0.00
79) Chrysene-d12	21.586	240	555780	20.000	ng/u1	0.00
88) Perylene-d12	24.057	264	464108	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	15893	4.653	ng/uL	0.00
4) Pyridine-d5	3.711	84	25091	2.362	ng/u1	0.02
7) Phenol-d5	7.111	99	295360	23.340	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.281	67	219821	27.721	ng/u1	0.00
11) 2-Chlorophenol-d4	7.481	132	253422	28.883	ng/u1	0.00
15) 4-Methylphenol-d8	8.675	113	199425	19.833	ng/u1	0.00
21) Nitrobenzene-d5	9.134	128	144490	31.554	ng/u1	0.00
24) 2-Nitrophenol-d4	9.863	143	160778	34.256	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.405	165	259145	29.415	ng/u1	0.00
31) 4-Chloroaniline-d4	10.928	131	259379	18.008	ng/u1	0.00
46) Dimethylphthalate-d6	14.040	166	848220	31.421	ng/u1	0.00
49) Acenaphthylene-d8	14.328	160	962518	31.929	ng/u1	0.00
54) 4-Nitrophenol-d4	14.834	143	67893	11.783	ng/u1	0.00
60) Fluorene-d10	15.628	176	721111	31.670	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.751	200	65206	15.178	ng/u1	0.00
73) Anthracene-d10	17.486	188	1079236	32.979	ng/u1	0.00
81) Pyrene-d10	19.786	212	1081273	39.076	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.898	264	737070	32.383	ng/u1	0.00
Target Compounds						
					Qvalue	
8) Phenol	7.140	94	21594	1.608	ng/u1	100
16) Acetophenone	8.799	105	29452	1.833	ng/u1	96
30) Naphthalene	10.834	128	49500	1.480	ng/u1	99
36) 2-Methylnaphthalene	12.451	142	36896	1.597	ng/u1	97
37) 1-Methylnaphthalene	12.675	142	29963	1.295	ng/u1	97
50) Acenaphthylene	14.351	152	149524	4.343	ng/u1	97
56) Dibenzofuran	15.028	168	41339	1.241	ng/u1	96
61) Fluorene	15.681	166	57068	2.131	ng/u1	95
72) Phenanthrene	17.428	178	810007	19.940	ng/u1	97
74) Anthracene	17.522	178	257155	6.373	ng/u1	99
77) Carbazole	17.792	167	80077	2.146	ng/u1	97
80) Fluoranthene	19.451	202	1914746	55.125	ng/u1	97
82) Pyrene	19.816	202	1576093	43.372	ng/u1	99
85) Benzo(a)anthracene	21.569	228	914981	25.765	ng/u1#	94
87) Chrysene	21.627	228	752985	22.063	ng/u1	95
90) Benzo(b)fluoranthene	23.304	252	908981	31.053	ng/u1	100
91) Benzo(k)fluoranthene	23.345	252	448094m	15.495	ng/u1	
93) Benzo(a)pyrene	23.945	252	593775	22.696	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	26.645	276	380716	11.643	ng/u1#	93
95) Dibenzo(a,h)anthracene	26.662	278	100906	3.449	ng/u1#	89
96) Benzo(g,h,i)perylene	27.451	276	246549	8.381	ng/u1	99

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

Instrument :

BNA_N

ClientSampleId :

C0BP7

Manual Integrations

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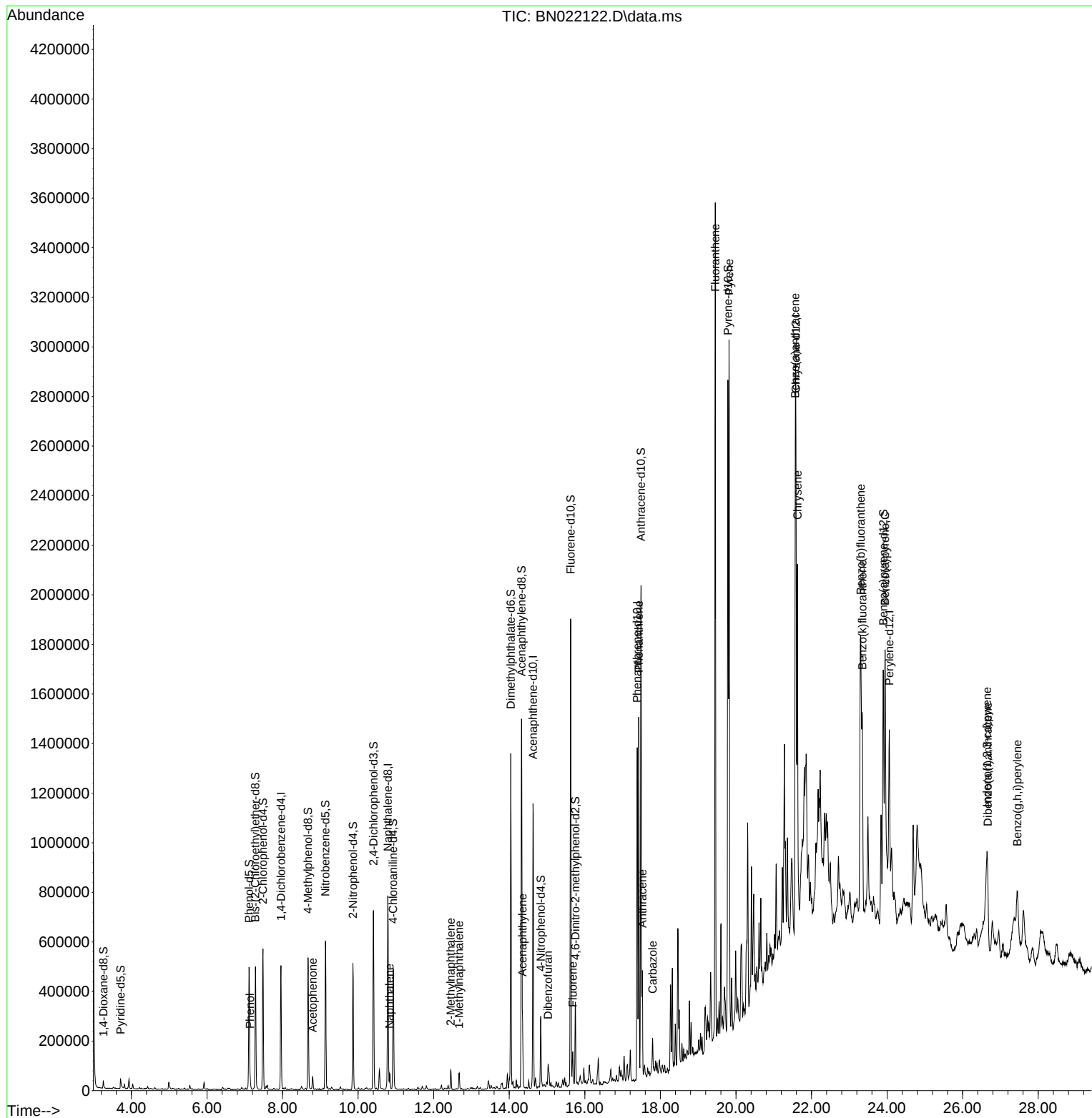
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101422\
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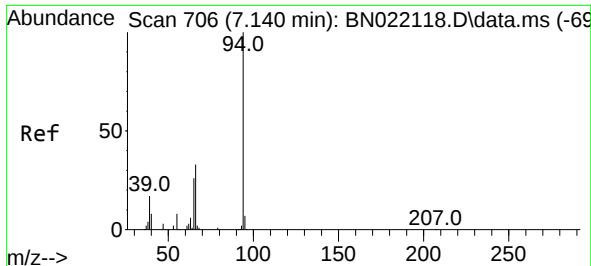
Instrument :
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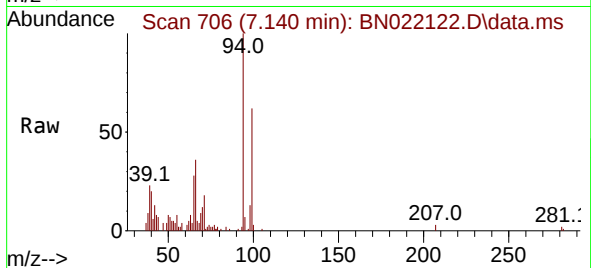
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 Quant Title : SVOA CALIBRATION
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#8
Phenol
Concen: 1.608 ng/ul
RT: 7.140 min Scan# 706
Delta R.T. 0.000 min
Lab File: BN022122.D
Acq: 14 Oct 2022 13:41

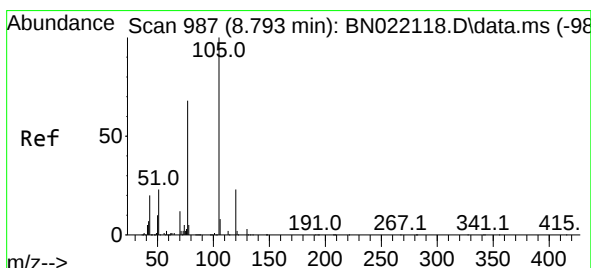
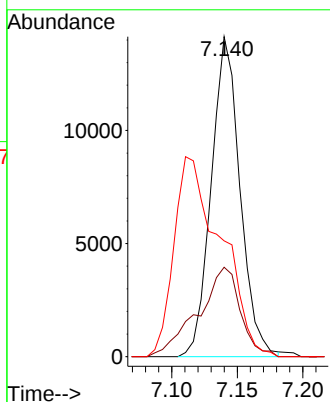
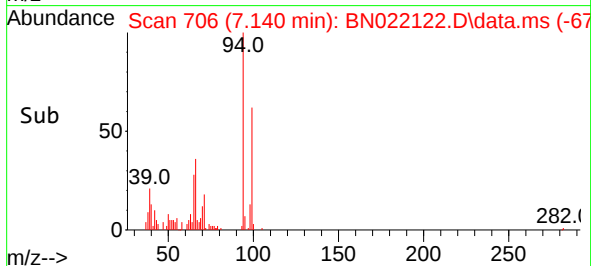
Instrument :
BNA_N
ClientSampleId :
C0BP7



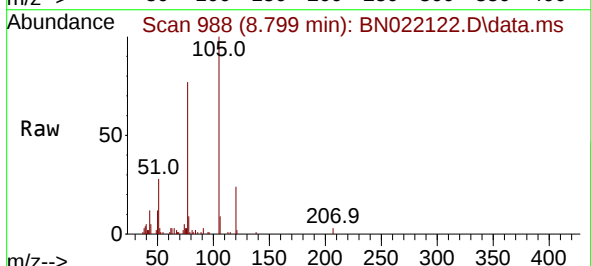
Tgt Ion: 94 Resp: 21594
Ion Ratio Lower Upper
94 100
65 28.0 22.1 33.1
66 36.2 29.0 43.6

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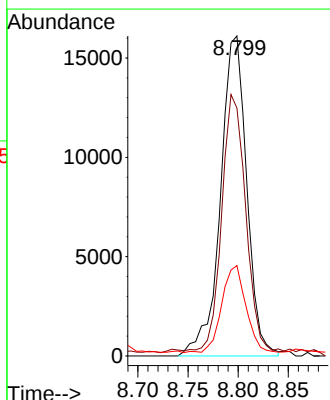
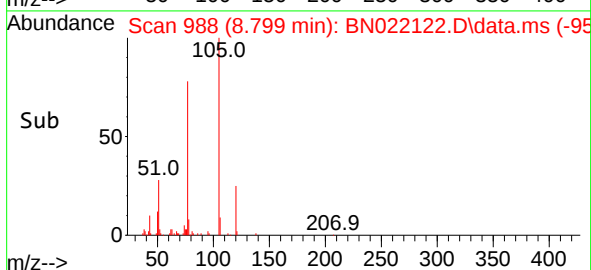
Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022

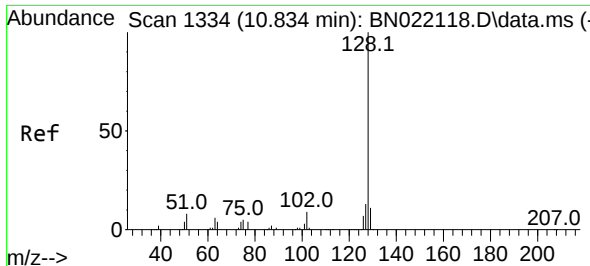


#16
Acetophenone
Concen: 1.833 ng/ul
RT: 8.799 min Scan# 988
Delta R.T. 0.000 min
Lab File: BN022122.D
Acq: 14 Oct 2022 13:41



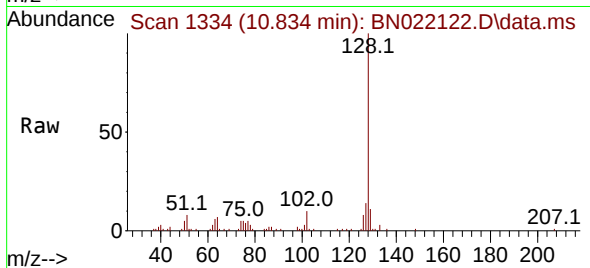
Tgt Ion:105 Resp: 29452
Ion Ratio Lower Upper
105 100
77 77.5 64.9 97.3
51 28.3 21.8 32.6





#30
Naphthalene
Concen: 1.480 ng/ul
RT: 10.834 min Scan# 11
Delta R.T. -0.006 min
Lab File: BN022122.D
Acq: 14 Oct 2022 13:41

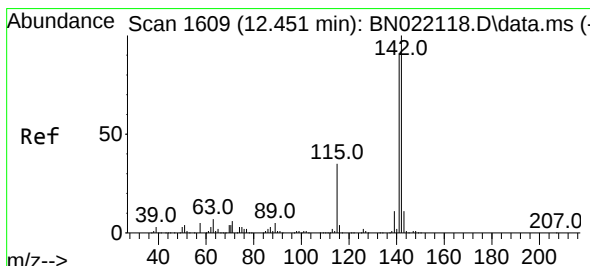
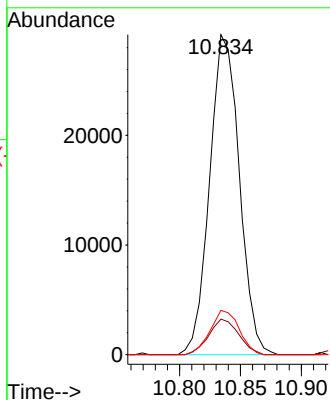
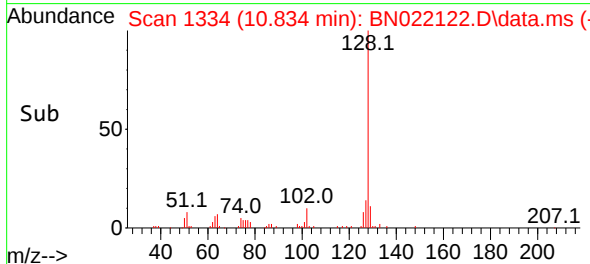
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:128 Resp: 49500
Ion Ratio Lower Upper
128 100
129 11.1 8.5 12.7
127 13.9 10.8 16.2

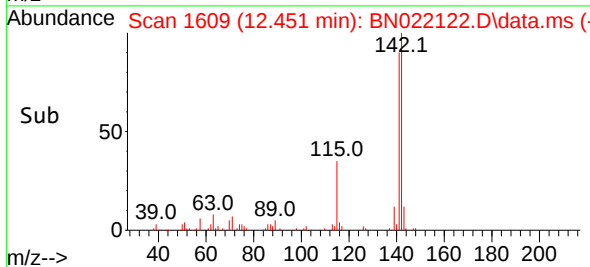
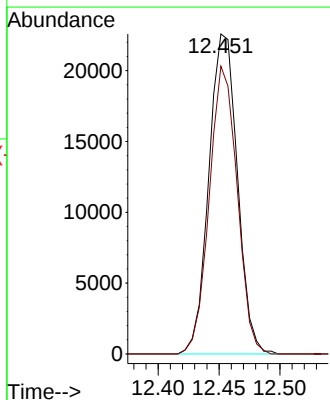
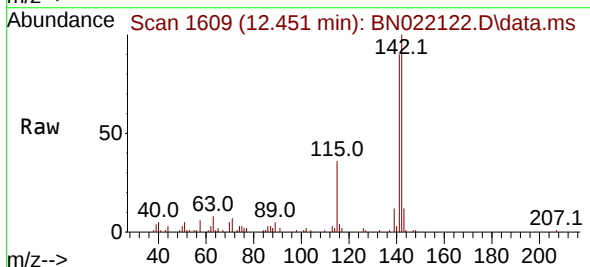
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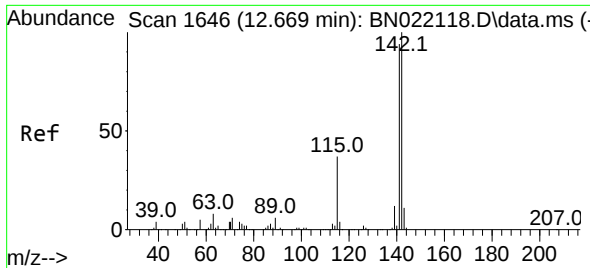
Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022



#36
2-Methylnaphthalene
Concen: 1.597 ng/ul
RT: 12.451 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BN022122.D
Acq: 14 Oct 2022 13:41

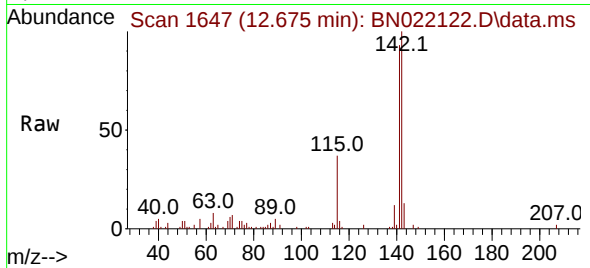
Tgt Ion:142 Resp: 36896
Ion Ratio Lower Upper
142 100
141 89.9 69.7 104.5





#37
1-Methylnaphthalene
Concen: 1.295 ng/ul
RT: 12.675 min Scan# 1647
Delta R.T. 0.000 min
Lab File: BN022122.D
Acq: 14 Oct 2022 13:41

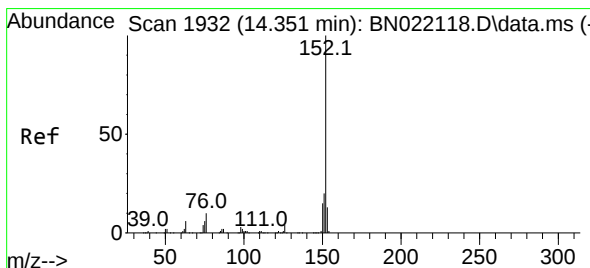
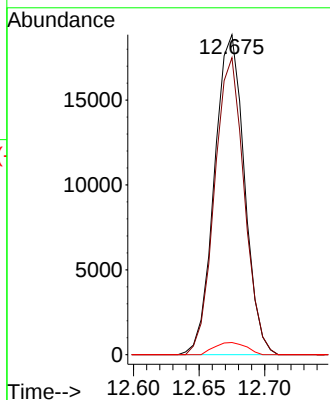
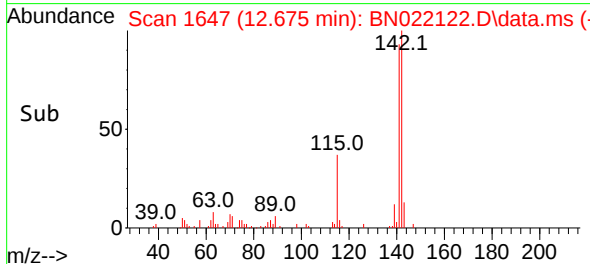
Instrument :
BNA_N
ClientSampleId :
C0BP7



Tgt Ion:142 Resp: 2996
Ion Ratio Lower Upper
142 100
141 92.8 76.7 115.1
116 3.8 3.1 4.7

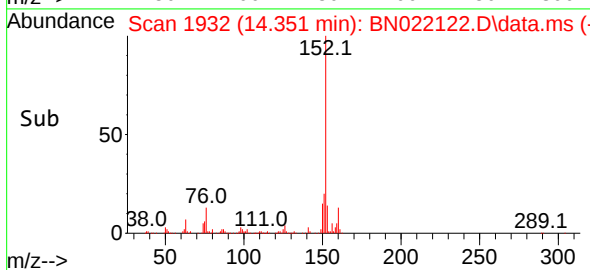
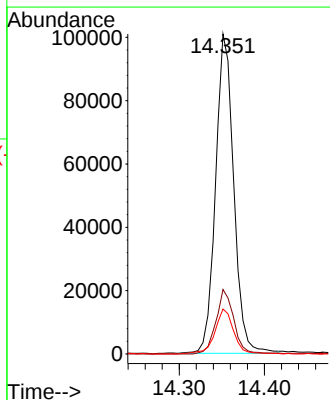
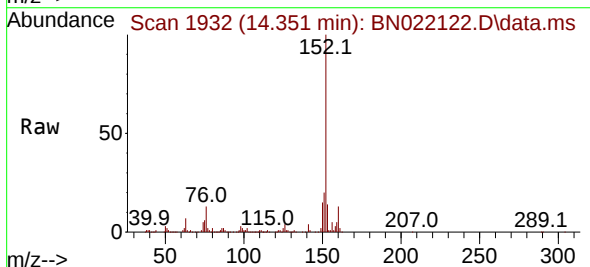
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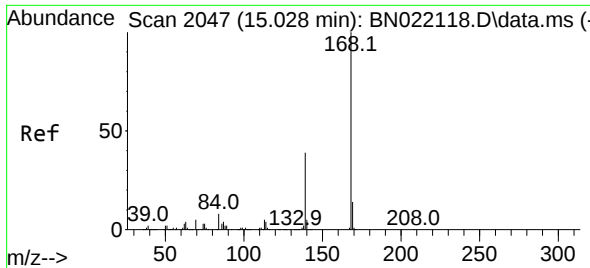
Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022



#50
Acenaphthylene
Concen: 4.343 ng/ul
RT: 14.351 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BN022122.D
Acq: 14 Oct 2022 13:41

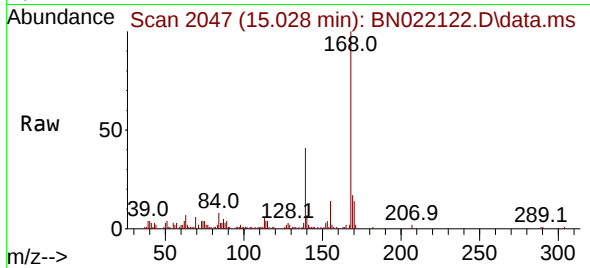
Tgt Ion:152 Resp: 149524
Ion Ratio Lower Upper
152 100
151 20.2 15.5 23.3
153 14.0 9.8 14.8





#56
Dibenzenofuran
Concen: 1.241 ng/ul
RT: 15.028 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BN022122.D
Acq: 14 Oct 2022 13:41

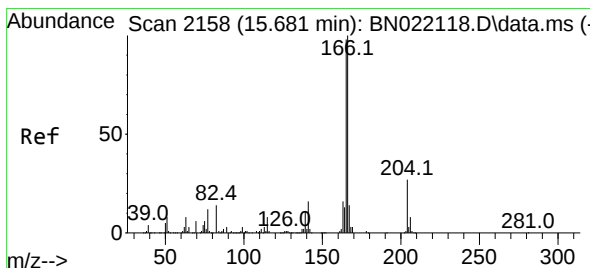
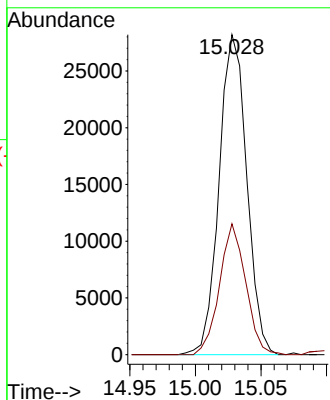
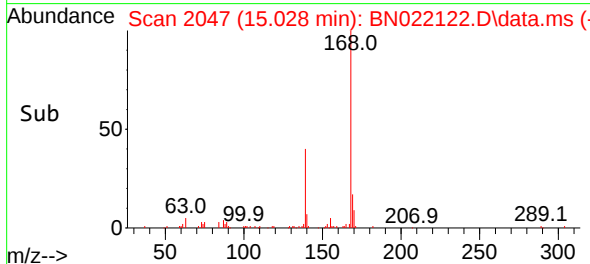
Instrument :
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Tgt Ion:168 Resp: 41339
Ion Ratio Lower Upper
168 100
139 40.9 30.6 45.8

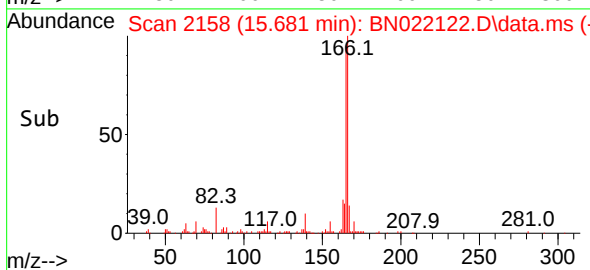
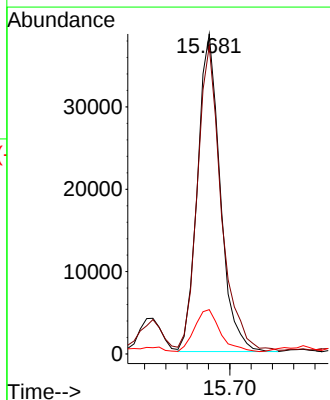
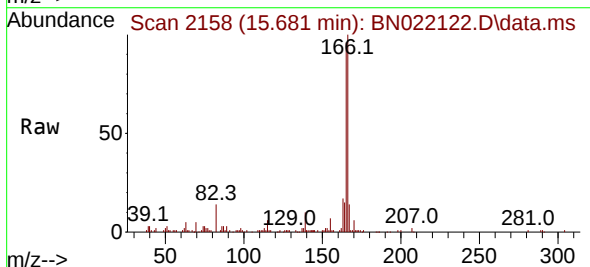
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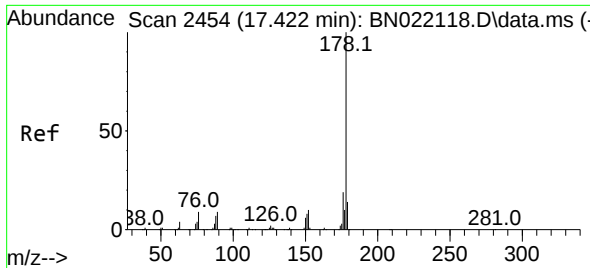
Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022



#61
Fluorene
Concen: 2.131 ng/ul
RT: 15.681 min Scan# 2158
Delta R.T. -0.006 min
Lab File: BN022122.D
Acq: 14 Oct 2022 13:41

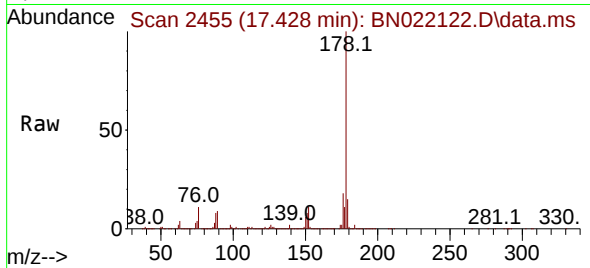
Tgt Ion:166 Resp: 57068
Ion Ratio Lower Upper
166 100
165 96.2 72.8 109.2
167 13.9 10.6 16.0





#72
Phenanthrene
Concen: 19.940 ng/u1
RT: 17.428 min Scan# 2454
Delta R.T. -0.006 min
Lab File: BN022122.D
Acq: 14 Oct 2022 13:41

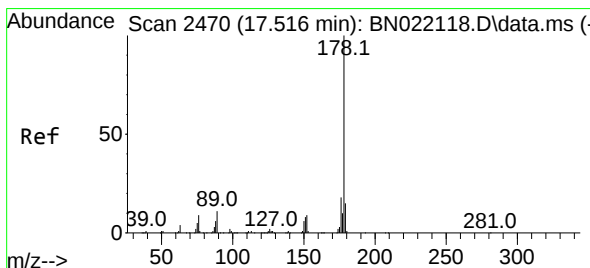
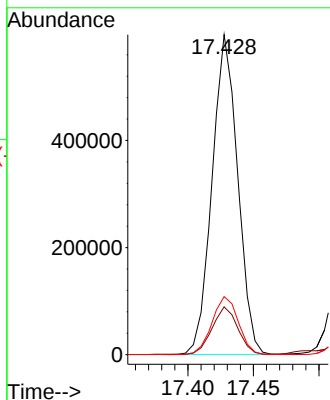
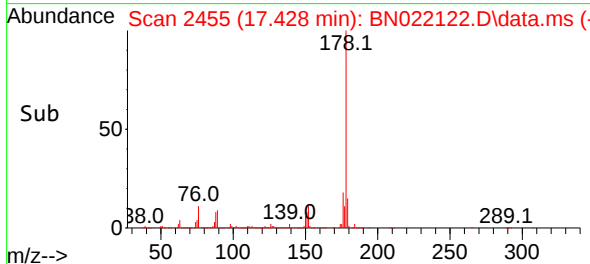
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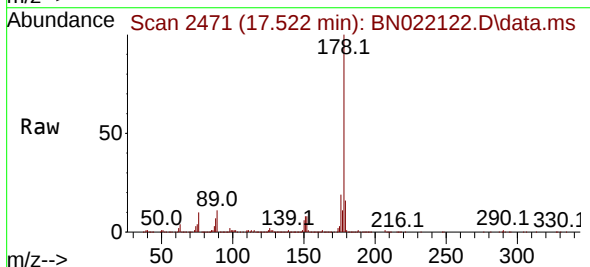
Tgt Ion:178 Resp: 81000
Ion Ratio Lower Upper
178 100
179 15.0 12.3 18.5
176 18.2 16.5 24.7

Manual Integrations
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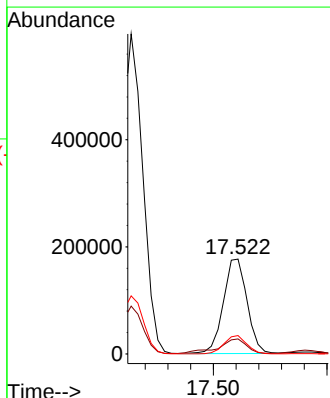
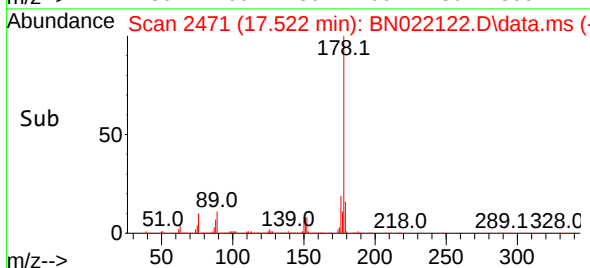
Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022

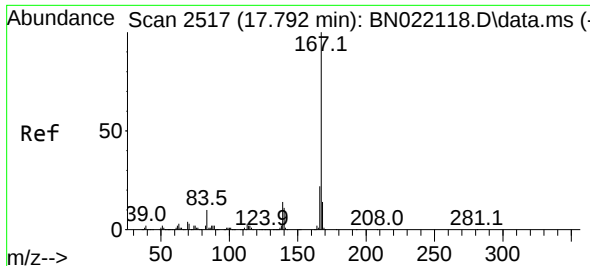


#74
Anthracene
Concen: 6.373 ng/u1
RT: 17.522 min Scan# 2471
Delta R.T. 0.000 min
Lab File: BN022122.D
Acq: 14 Oct 2022 13:41



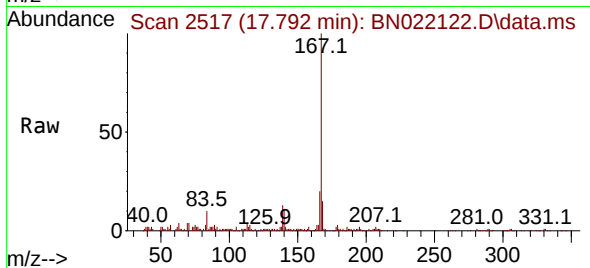
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Ion Ratio Lower Upper
178 100
179 15.9 13.0 19.6
176 19.4 15.8 23.6





#77
 Carbazole
 Concen: 2.146 ng/ul
 RT: 17.792 min Scan# 2517
 Delta R.T. -0.006 min
 Lab File: BN022122.D
 Acq: 14 Oct 2022 13:41

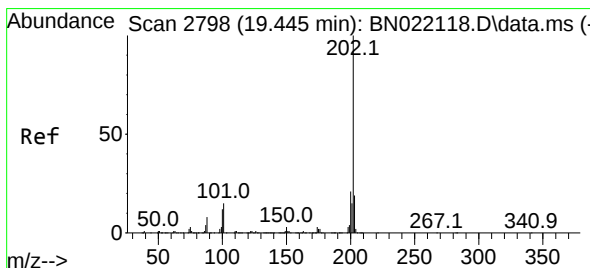
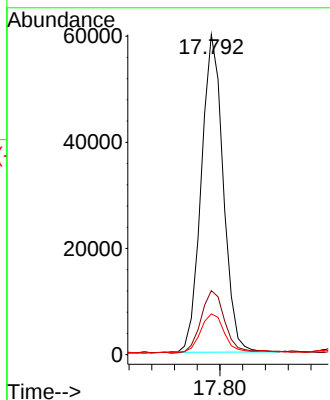
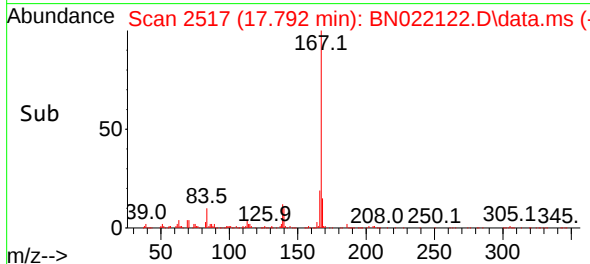
Instrument :
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Tgt Ion:167 Resp: 8007
 Ion Ratio Lower Upper
 167 100
 166 20.0 17.3 25.9
 139 12.7 10.7 16.1

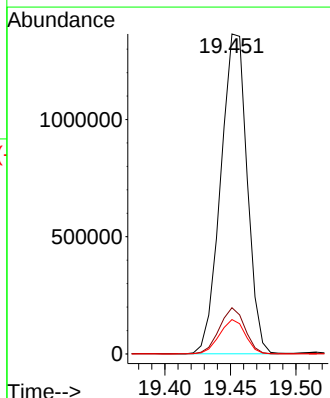
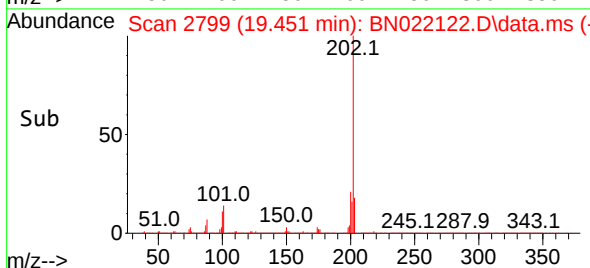
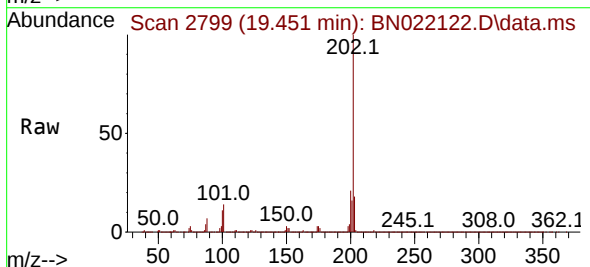
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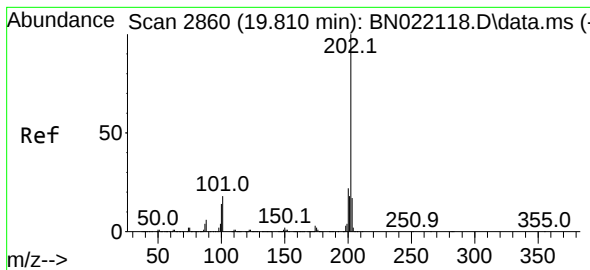
Reviewed By :Yogesh Patel 10/15/2022
 Supervised By :mohammad ahmed 10/16/2022



#80
 Fluoranthene
 Concen: 55.125 ng/ul
 RT: 19.451 min Scan# 2799
 Delta R.T. -0.006 min
 Lab File: BN022122.D
 Acq: 14 Oct 2022 13:41

Tgt Ion:202 Resp: 1914746
 Ion Ratio Lower Upper
 202 100
 101 14.5 10.3 15.5
 100 10.8 7.8 11.8





#82

Pyrene

Concen: 43.372 ng/ul

RT: 19.816 min Scan# 2860

Delta R.T. 0.000 min

Lab File: BN022122.D

Acq: 14 Oct 2022 13:41

Instrument :

BNA_N

ClientSampleId :

C0BP7

Tgt Ion:202 Resp: 157609

Ion Ratio Lower Upper

202 100

101 16.2 13.4 20.0

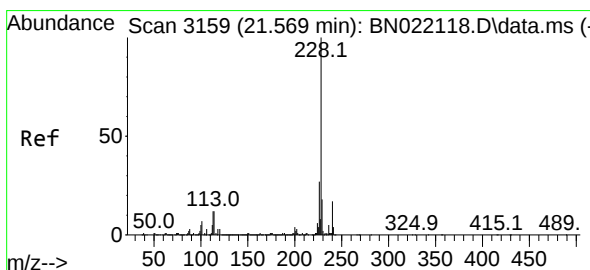
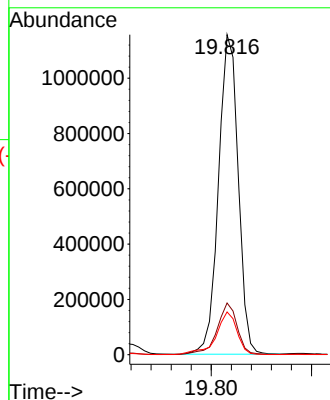
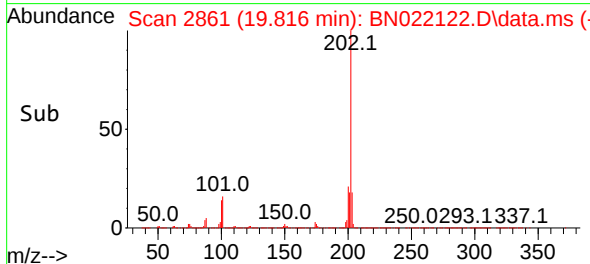
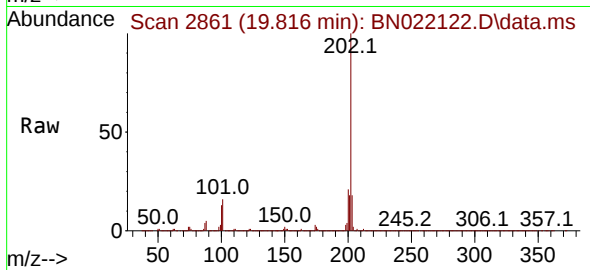
100 13.3 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/15/2022

Supervised By :mohammad ahmed 10/16/2022



#85

Benzo(a)anthracene

Concen: 25.765 ng/ul

RT: 21.569 min Scan# 3159

Delta R.T. -0.006 min

Lab File: BN022122.D

Acq: 14 Oct 2022 13:41

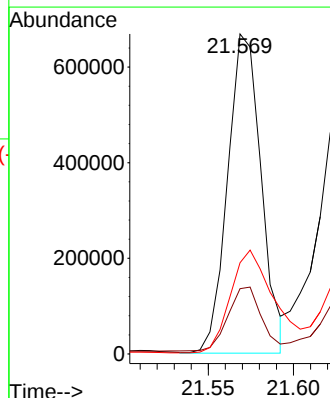
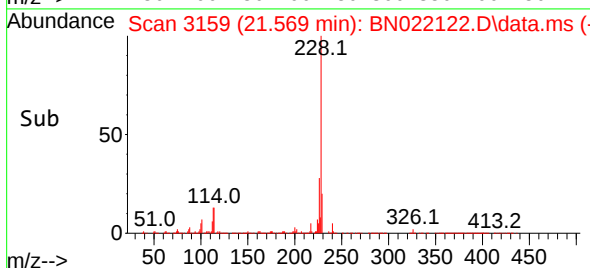
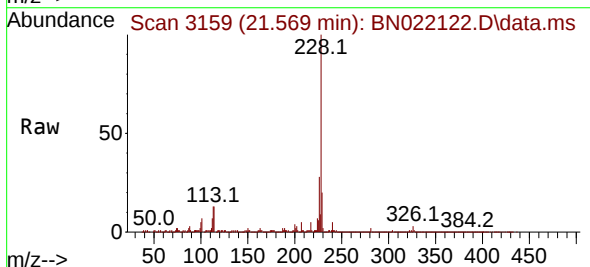
Tgt Ion:228 Resp: 914981

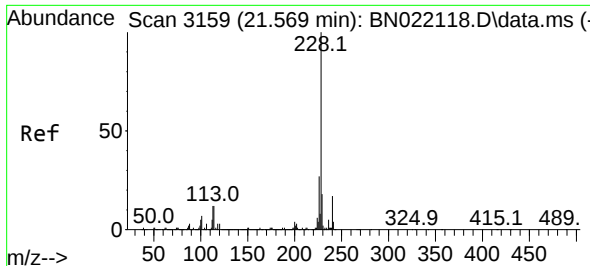
Ion Ratio Lower Upper

228 100

229 20.4 13.5 20.3#

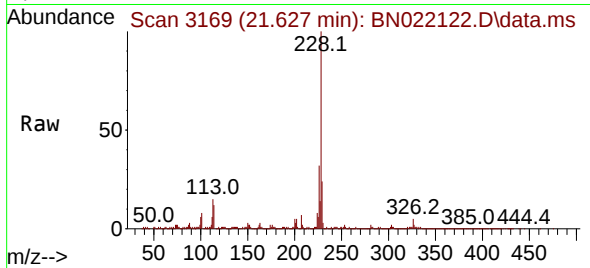
226 28.5 21.0 31.6





#87
Chrysene
Concen: 22.063 ng/u1
RT: 21.627 min Scan# 3159
Delta R.T. 0.000 min
Lab File: BN022122.D
Acq: 14 Oct 2022 13:41

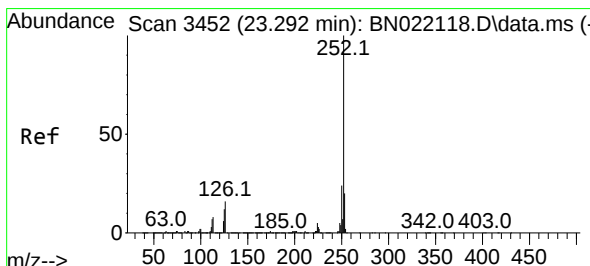
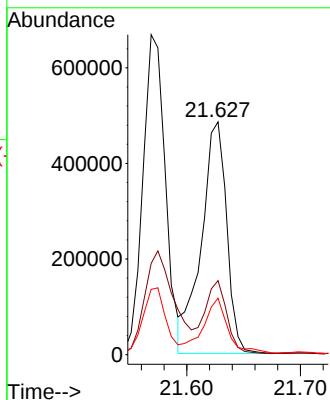
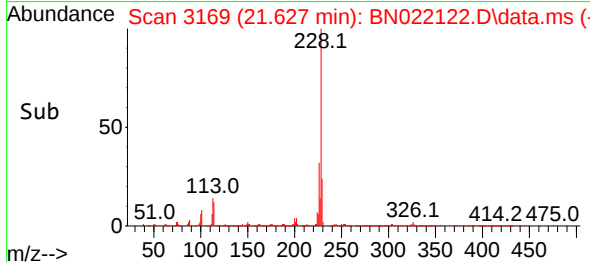
Instrument :
BNA_N
ClientSampleId :
C0BP7



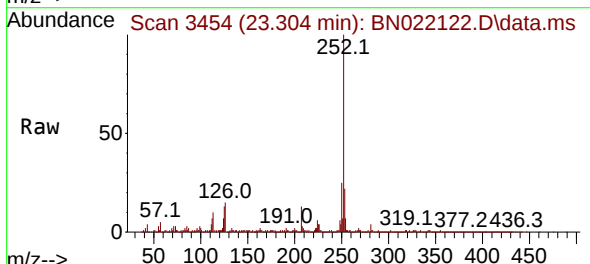
Tgt Ion:228 Resp: 752985
Ion Ratio Lower Upper
228 100
226 31.8 23.8 35.8
229 24.3 16.5 24.7

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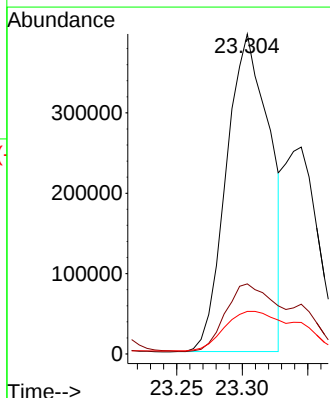
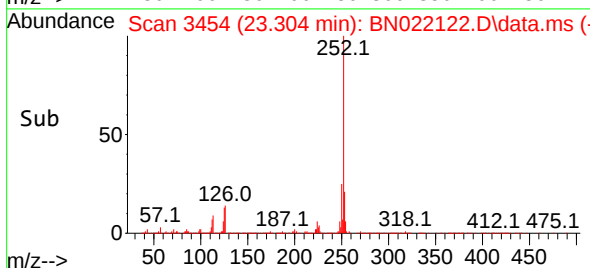
Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022

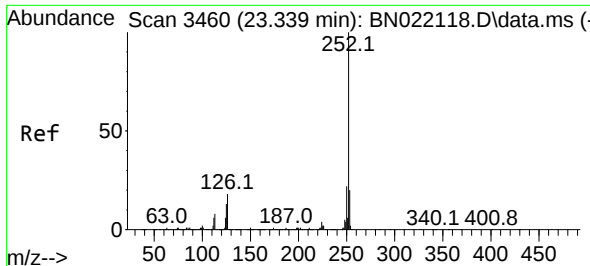


#90
Benzo(b)fluoranthene
Concen: 31.053 ng/u1
RT: 23.304 min Scan# 3454
Delta R.T. 0.006 min
Lab File: BN022122.D
Acq: 14 Oct 2022 13:41



Tgt Ion:252 Resp: 908981
Ion Ratio Lower Upper
252 100
253 21.9 17.6 26.4
125 13.3 10.7 16.1





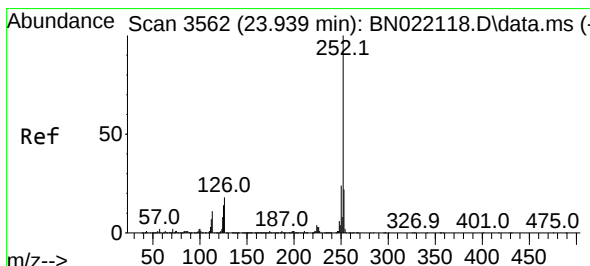
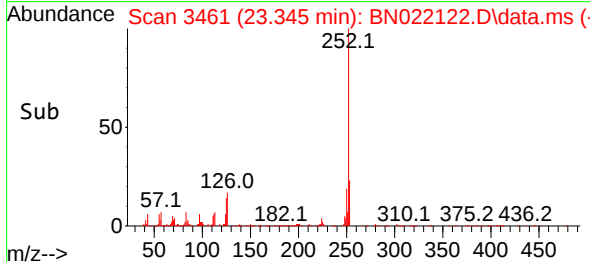
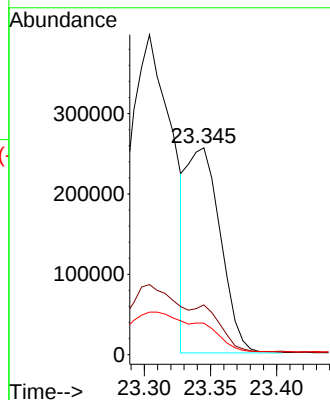
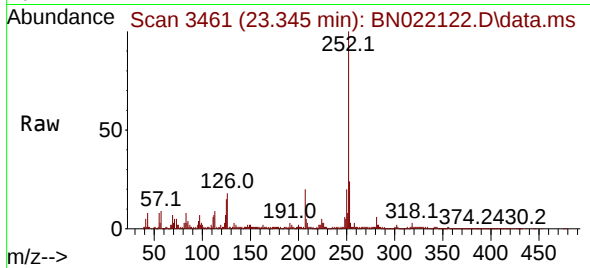
#91
Benzo(k)fluoranthene
Concen: 15.495 ng/ul m
RT: 23.345 min Scan# 3460
Delta R.T. -0.006 min
Lab File: BN022122.D
Acq: 14 Oct 2022 13:41

Instrument :
BNA_N
ClientSampleId :
C0BP7

Tgt Ion:252 Resp: 448094
Ion Ratio Lower Upper
252 100
253 24.0 17.7 26.5
125 15.2 10.6 15.8

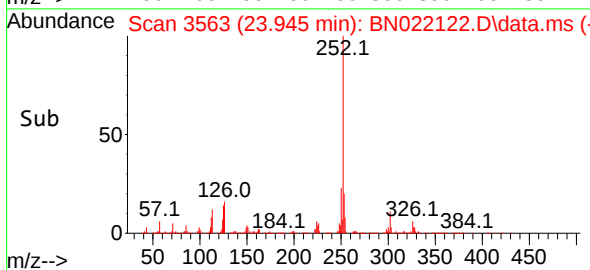
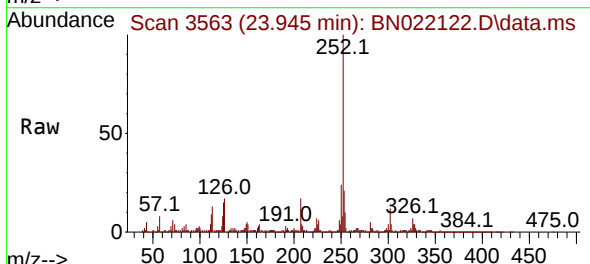
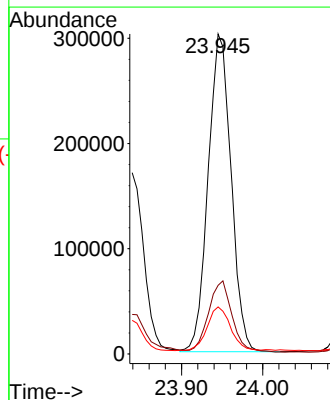
Manual Integrations
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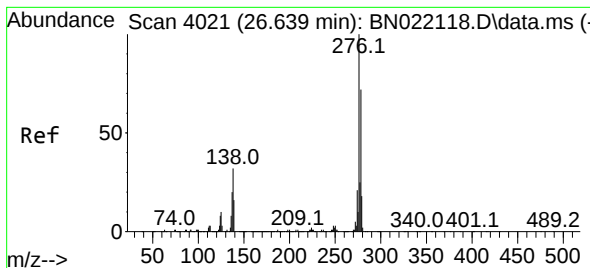
Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022



#93
Benzo(a)pyrene
Concen: 22.696 ng/ul
RT: 23.945 min Scan# 3563
Delta R.T. -0.006 min
Lab File: BN022122.D
Acq: 14 Oct 2022 13:41

Tgt Ion:252 Resp: 593775
Ion Ratio Lower Upper
252 100
253 21.4 17.2 25.8
125 14.7 10.8 16.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 11.643 ng/ul

RT: 26.645 min Scan# 4022

Delta R.T. -0.018 min

Lab File: BN022122.D

Acq: 14 Oct 2022 13:41

Instrument :

BNA_N

ClientSampleId :

C0BP7

Tgt Ion:276 Resp: 380710

Ion Ratio Lower Upper

276 100

138 28.0 24.6 36.8

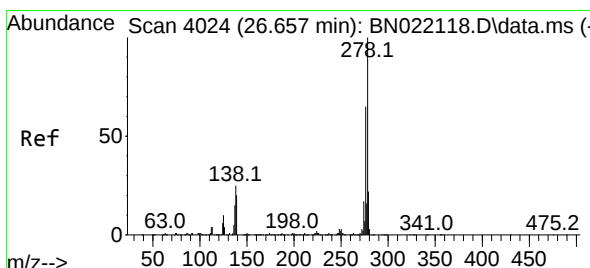
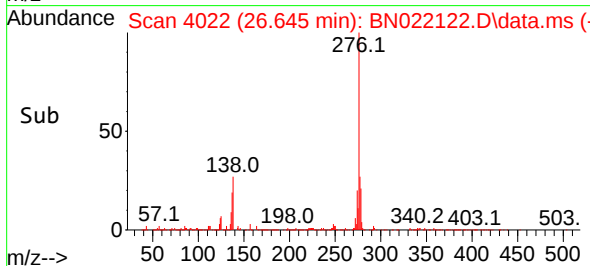
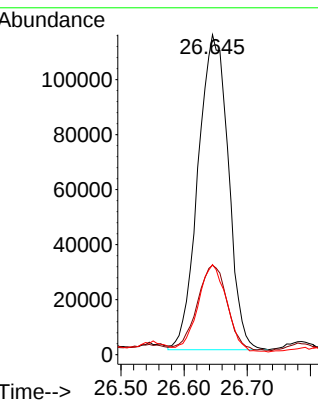
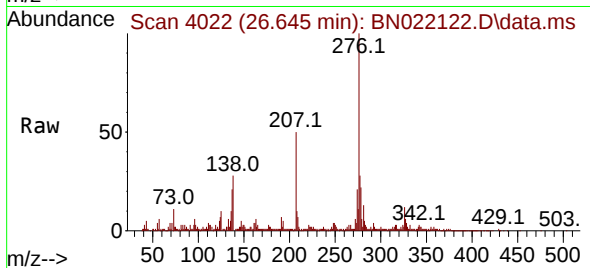
277 28.2 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/15/2022

Supervised By :mohammad ahmed 10/16/2022



#95

Dibenzo(a,h)anthracene

Concen: 3.449 ng/ul

RT: 26.662 min Scan# 4025

Delta R.T. -0.012 min

Lab File: BN022122.D

Acq: 14 Oct 2022 13:41

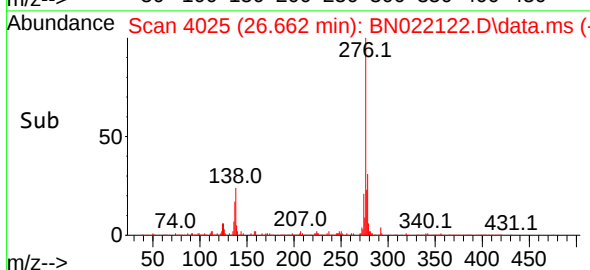
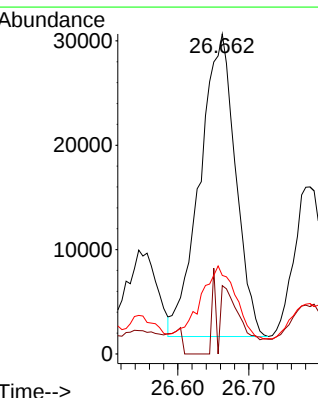
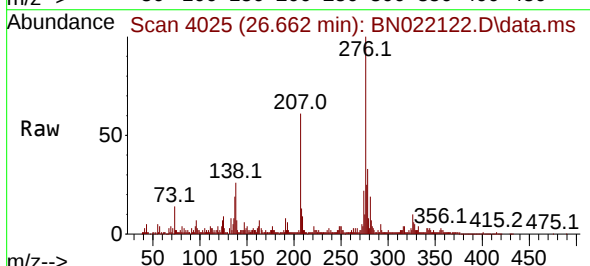
Tgt Ion:278 Resp: 100906

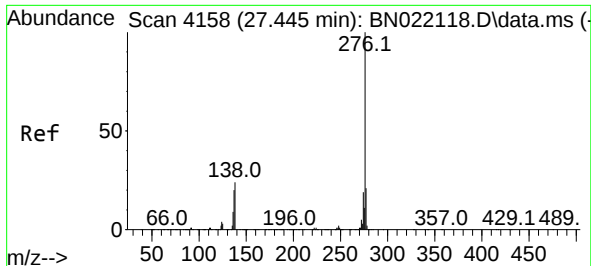
Ion Ratio Lower Upper

278 100

139 26.3 15.7 23.5

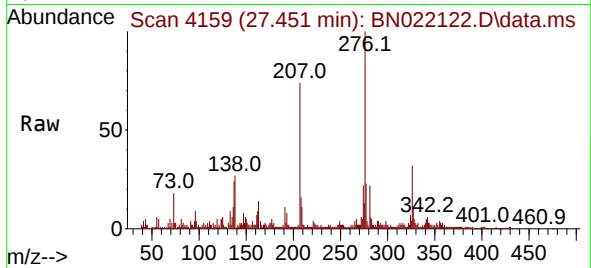
279 24.5 16.5 24.7





#96
 Benzo(g,h,i)perylene
 Concen: 8.381 ng/ul
 RT: 27.451 min Scan# 4159
 Delta R.T. -0.006 min
 Lab File: BN022122.D
 Acq: 14 Oct 2022 13:41

Instrument :
 BNA_N
 ClientSampleId :
 C0BP7



Tgt Ion:276 Resp: 246549
 Ion Ratio Lower Upper
 276 100
 138 26.9 21.2 31.8
 277 23.4 17.9 26.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/15/2022
 Supervised By :mohammad ahmed 10/16/2022

