

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012722\
 Data File : BN018495.D
 Acq On : 27 Jan 2022 19:11
 Operator : CG/JU
 Sample : N1245-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SB-3(3-3.5)

Quant Time: Jan 28 03:06:21 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN012722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 28 03:03:43 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2022
 Supervised By :mohammad ahmed 02/01/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.938	152	29144	0.400	ng	0.00
7) Naphthalene-d8	10.736	136	134032	0.400	ng	# 0.00
13) Acenaphthene-d10	14.561	164	76681	0.400	ng	0.00
19) Phenanthrene-d10	17.298	188	148492	0.400	ng	0.00
29) Chrysene-d12	21.472	240	129718	0.400	ng	# 0.00
35) Perylene-d12	23.875	264	136916	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.513	112	20992	0.284	ng	0.03
5) Phenol-d6	7.089	99	23774	0.293	ng	0.00
8) Nitrobenzene-d5	9.089	82	27359	0.295	ng	0.00
11) 2-Methylnaphthalene-d10	12.323	152	55442	0.256	ng	0.00
14) 2,4,6-Tribromophenol	16.044	330	9253	0.355	ng	0.00
15) 2-Fluorobiphenyl	13.190	172	75855	0.249	ng	0.00
27) Fluoranthene-d10	19.321	212	101903	0.233	ng	0.00
31) Terphenyl-d14	19.917	244	75018	0.228	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.787	128	55847	0.159	ng	99
12) 2-Methylnaphthalene	12.394	142	34456	0.146	ng	99
16) Acenaphthylene	14.282	152	20785	0.064	ng	# 93
17) Acenaphthene	14.624	154	8776	0.041	ng	# 80
18) Fluorene	15.601	166	12172	0.046	ng	# 79
25) Phenanthrene	17.334	178	314469	0.724	ng	99
26) Anthracene	17.431	178	63536	0.172	ng	# 96
28) Fluoranthene	19.351	202	842955	1.761	ng	# 97
30) Pyrene	19.713	202	768952	1.731	ng	# 95
32) Benzo(a)anthracene	21.451	228	650184	1.508	ng	97
33) Chrysene	21.504	228	516279	1.182	ng	98
34) Bis(2-ethylhexyl)phtha...	21.387	149	29867	0.171	ng	99
36) Indeno(1,2,3-cd)pyrene	26.367	276	355348	0.722	ng	97
37) Benzo(b)fluoranthene	23.146	252	787236	1.670	ng	# 96
38) Benzo(k)fluoranthene	23.187	252	276321m	0.587	ng	
39) Benzo(a)pyrene	23.769	252	538629	1.428	ng	# 96
40) Dibenzo(a,h)anthracene	26.380	278	99633	0.260	ng	# 84
41) Benzo(g,h,i)perylene	27.130	276	325936	0.761	ng	# 93

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

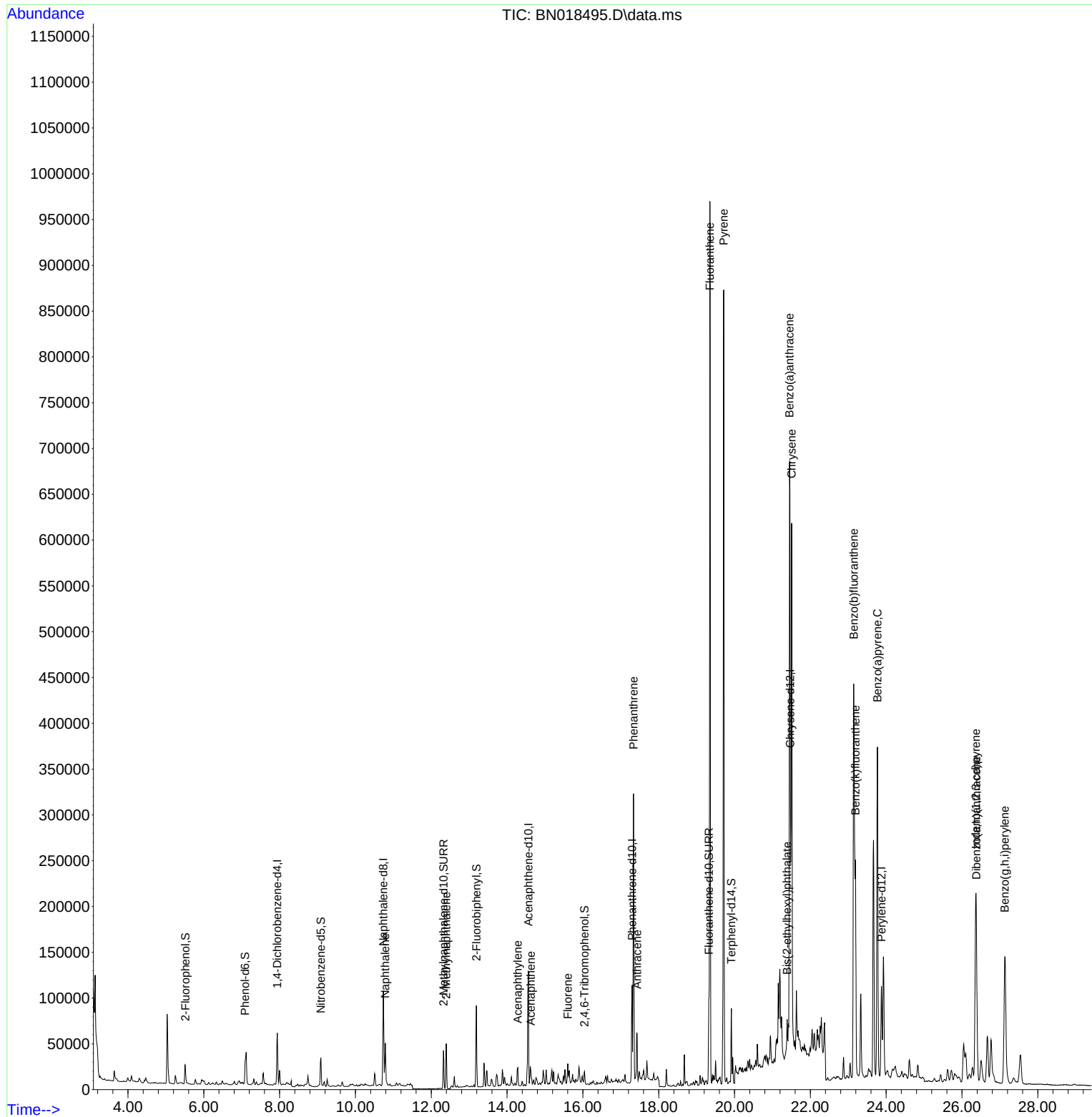
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012722\
 Data File : BN018495.D
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 ALS Vial : 15 Sample Multiplier: 1

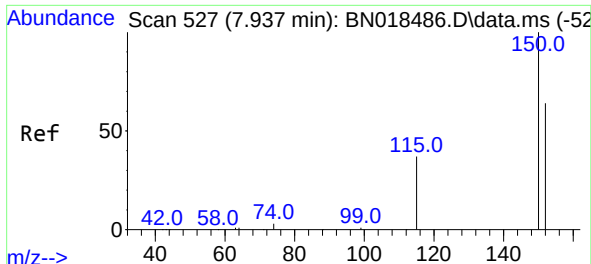
Instrument :
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 ClientSampleId :
 SB-3(3-3.5)

Quant Time: Jan 28 03:06:21 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN012722.M
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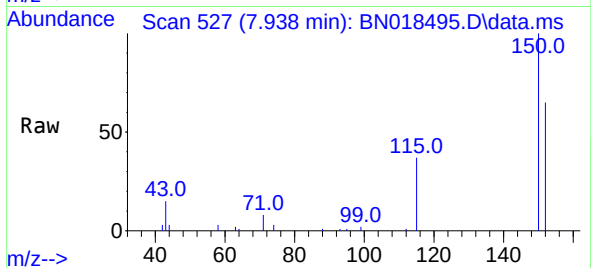
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.938 min Scan# 51
Delta R.T. 0.001 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11

Instrument :

BNA_N

ClientSampleId :

SB-3(3-3.5)

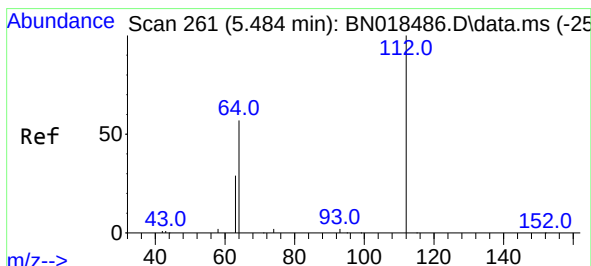
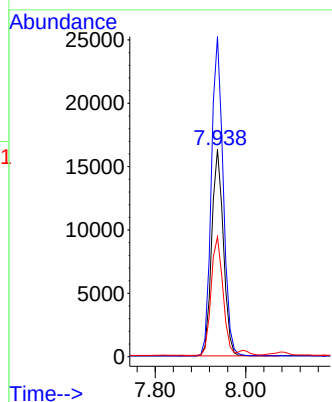


Tgt Ion:152 Resp: 29144
Ion Ratio Lower Upper
152 100
150 154.5 121.7 182.5
115 57.8 43.8 65.8

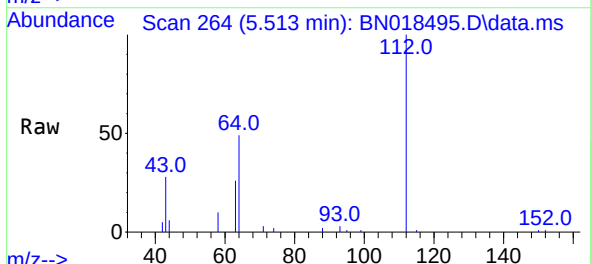
Manual Integrations

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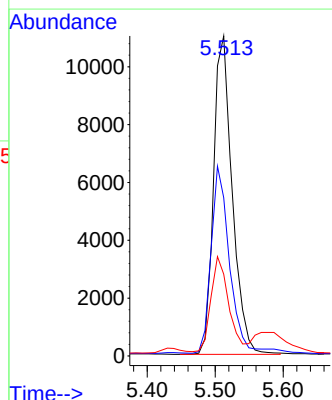
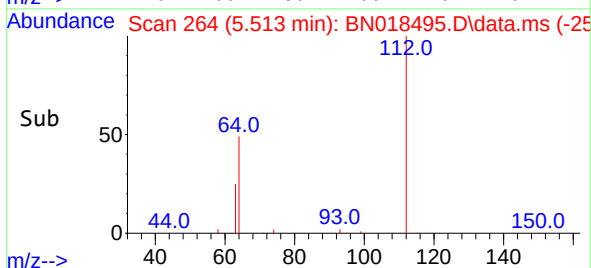
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

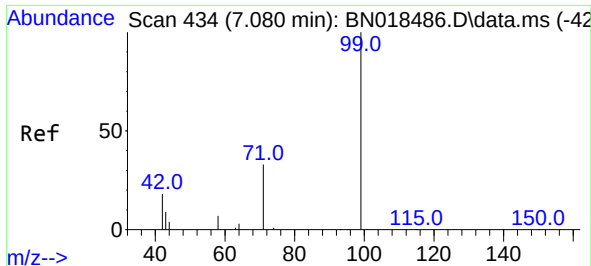


#4
2-Fluorophenol
Concen: 0.284 ng
RT: 5.513 min Scan# 264
Delta R.T. 0.028 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11



Tgt Ion:112 Resp: 20992
Ion Ratio Lower Upper
112 100
64 58.2 48.0 72.0
63 28.0 25.3 37.9





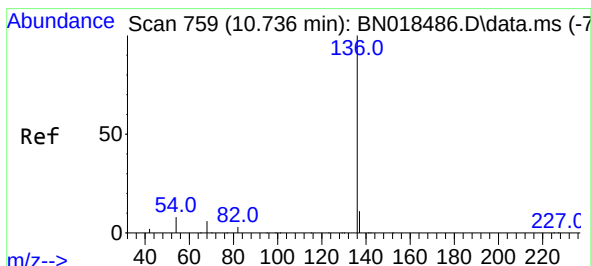
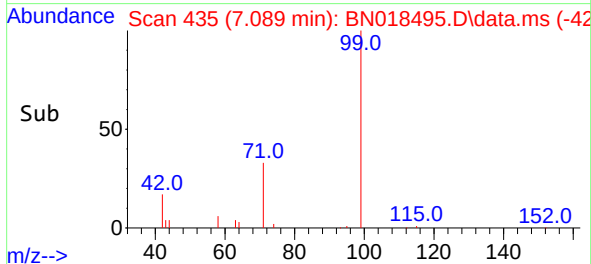
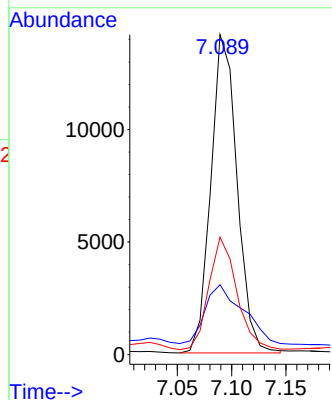
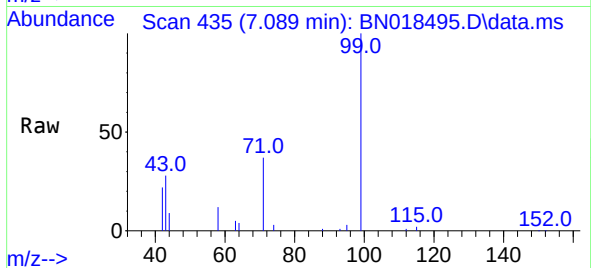
#5
Phenol-d6
Concen: 0.293 ng
RT: 7.089 min Scan# 41
Delta R.T. 0.010 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11

Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)

Tgt Ion: 99 Resp: 23774
Ion Ratio Lower Upper
99 100
42 26.2 16.3 24.5
71 37.6 26.8 40.2

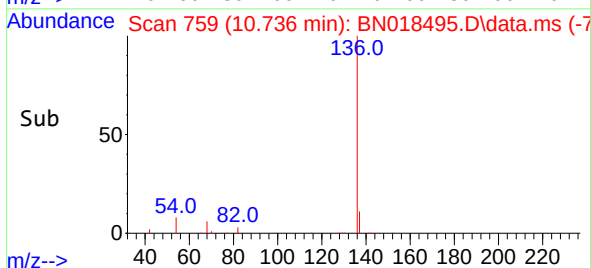
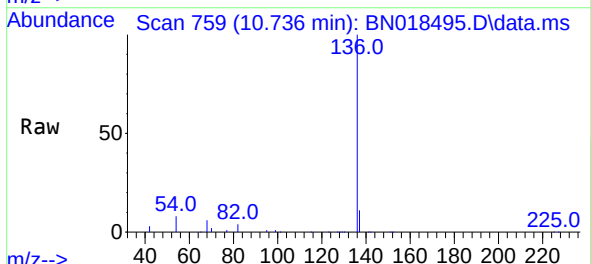
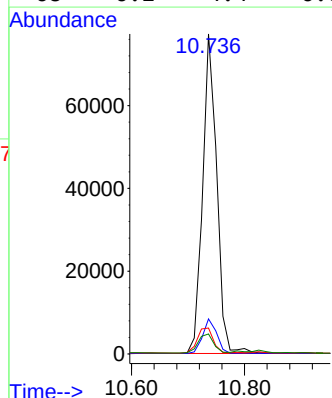
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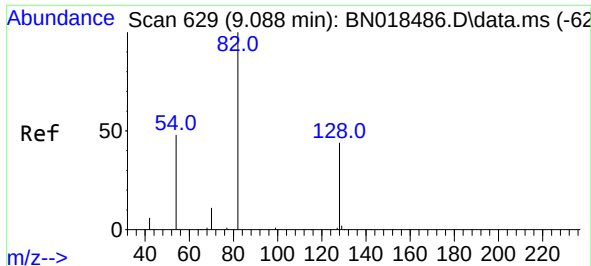
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.736 min Scan# 759
Delta R.T. 0.000 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11

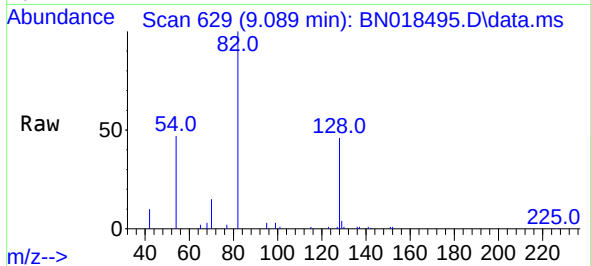
Tgt Ion:136 Resp: 134032
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.1 5.0 7.6
68 6.2 4.4 6.6





#8
Nitrobenzene-d5
Concen: 0.295 ng
RT: 9.089 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11

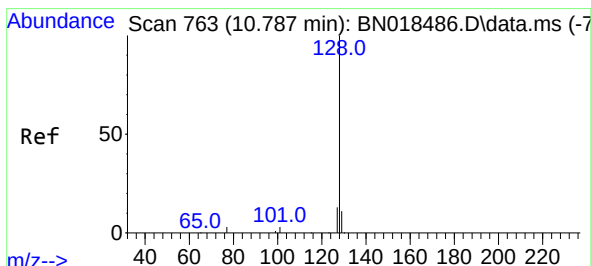
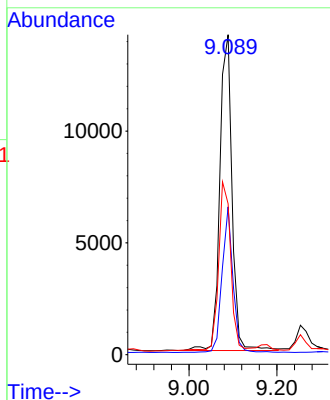
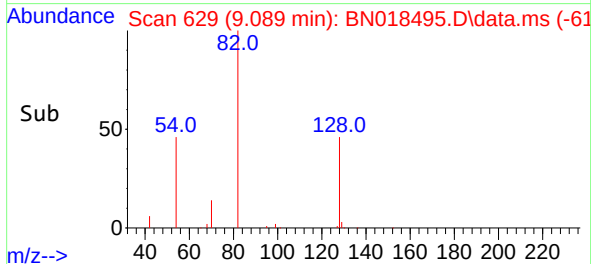
Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)



Tgt Ion: 82 Resp: 2735
Ion Ratio Lower Upper
82 100
128 46.2 33.7 50.5
54 47.1 36.6 55.0

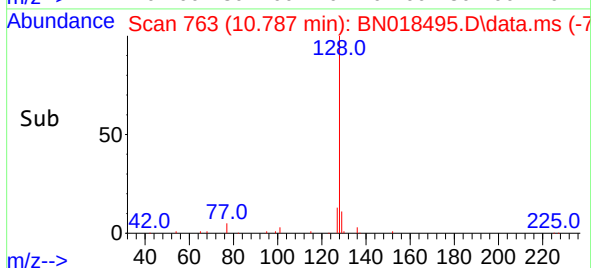
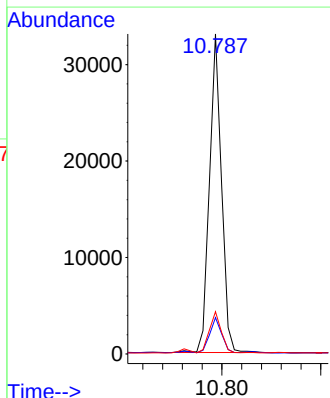
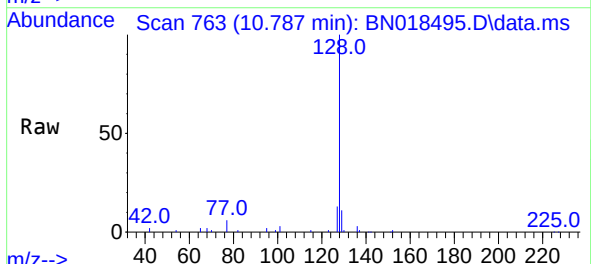
Manual Integrations
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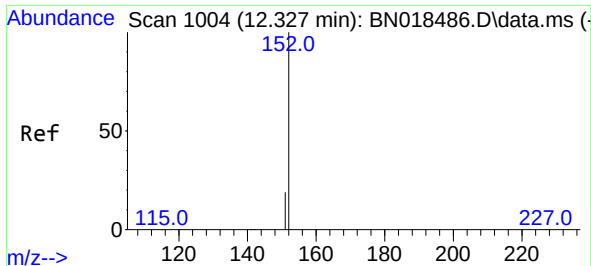
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#9
Naphthalene
Concen: 0.159 ng
RT: 10.787 min Scan# 763
Delta R.T. 0.000 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11

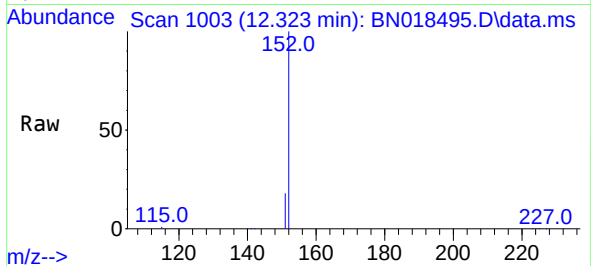
Tgt Ion:128 Resp: 55847
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 13.2 10.4 15.6





#11
2-Methylnaphthalene-d10
Concen: 0.256 ng
RT: 12.323 min Scan# 1019
Delta R.T. -0.004 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11

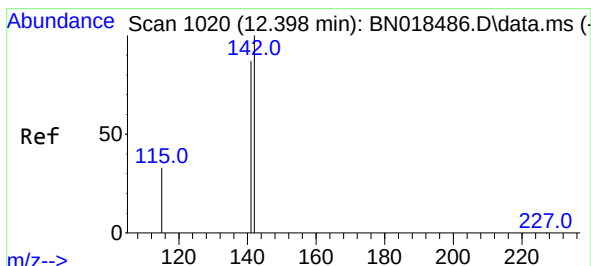
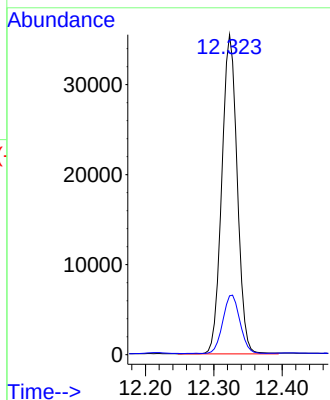
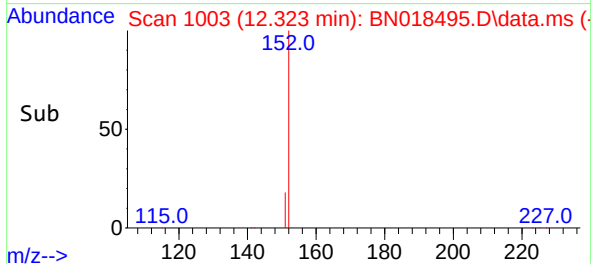
Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)



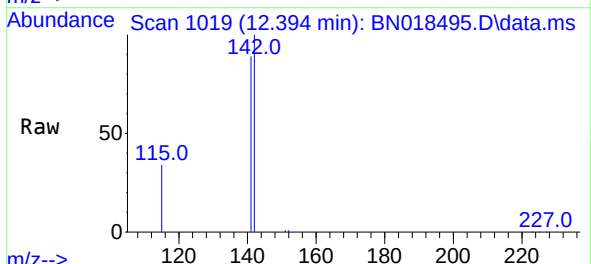
Tgt Ion:152 Resp: 5544
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2

Manual Integrations
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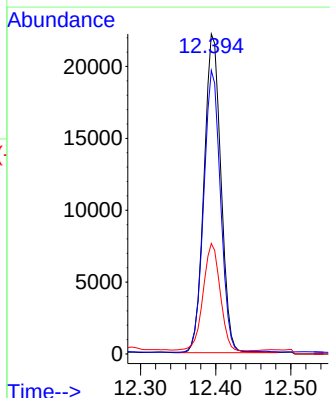
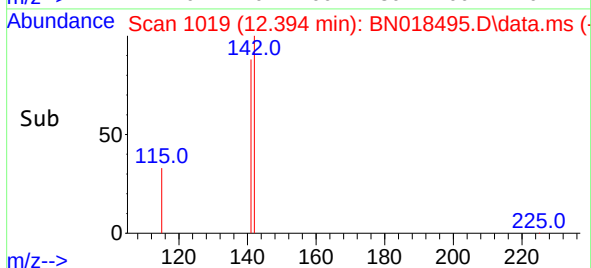
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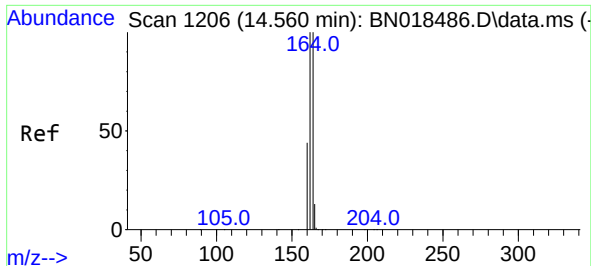


#12
2-Methylnaphthalene
Concen: 0.146 ng
RT: 12.394 min Scan# 1019
Delta R.T. -0.004 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11



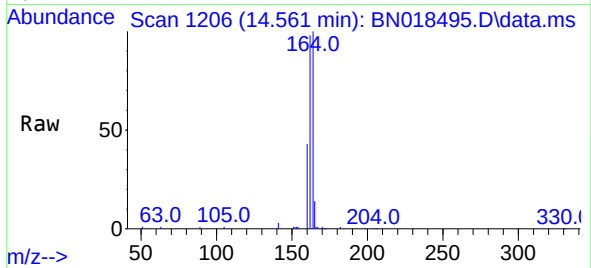
Tgt Ion:142 Resp: 34456
Ion Ratio Lower Upper
142 100
141 88.6 70.0 105.0
115 34.5 27.8 41.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.561 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11

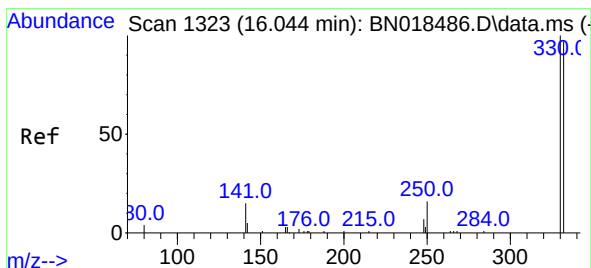
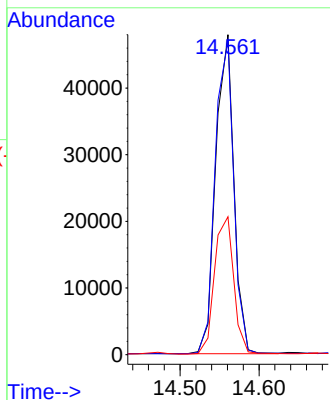
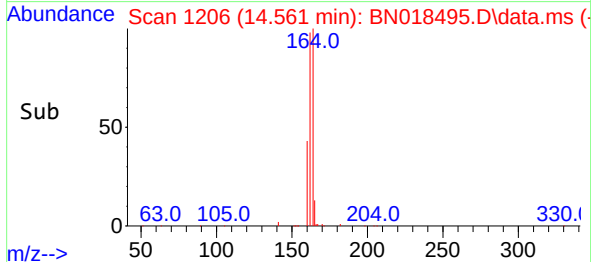
Instrument :
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SB-3(3-3.5)



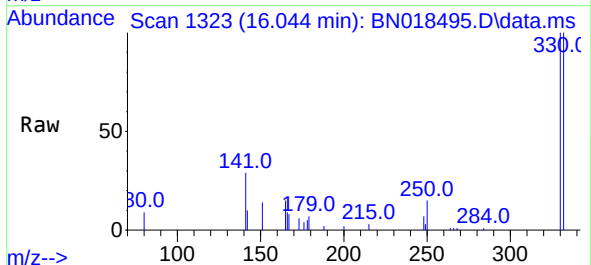
Tgt Ion:164 Resp: 7668
Ion Ratio Lower Upper
164 100
162 98.0 80.2 120.2
160 43.1 36.9 55.3

Manual Integrations
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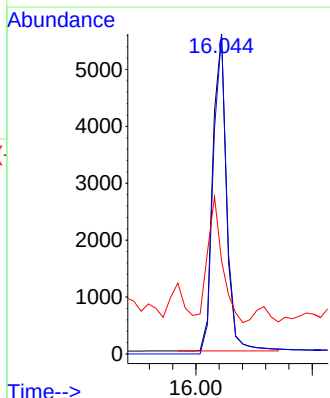
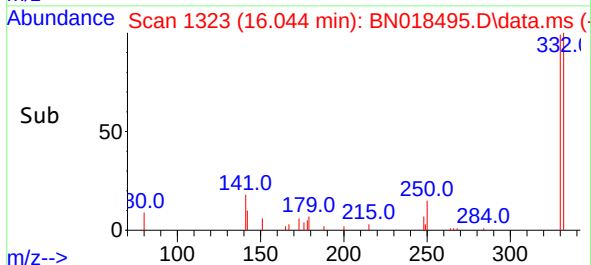
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

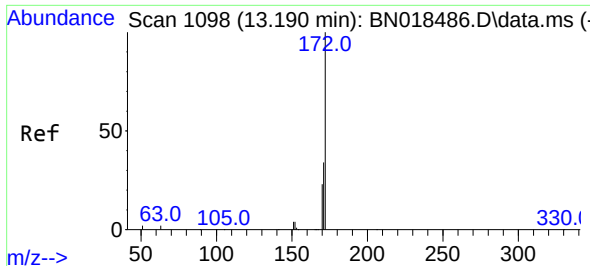


#14
2,4,6-Tribromophenol
Concen: 0.355 ng
RT: 16.044 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11



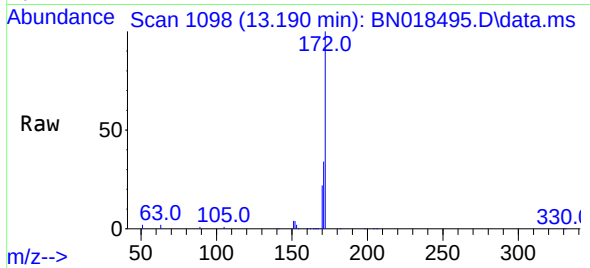
Tgt Ion:330 Resp: 9253
Ion Ratio Lower Upper
330 100
332 102.1 0.0 0.0#
141 42.8 21.3 31.9#





#15
2-Fluorobiphenyl
Concen: 0.249 ng
RT: 13.190 min Scan# 1098
Delta R.T. 0.000 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11

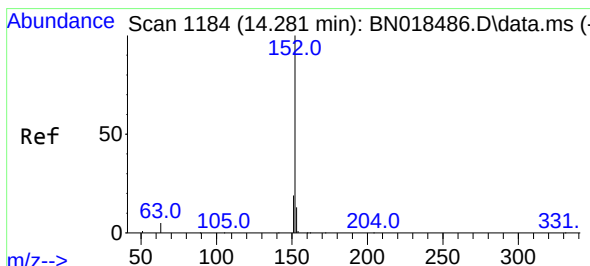
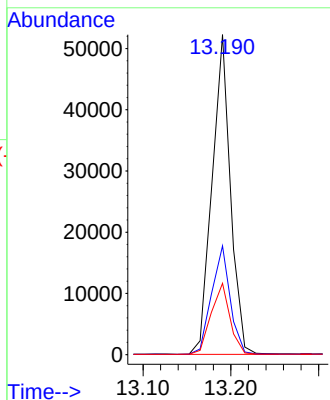
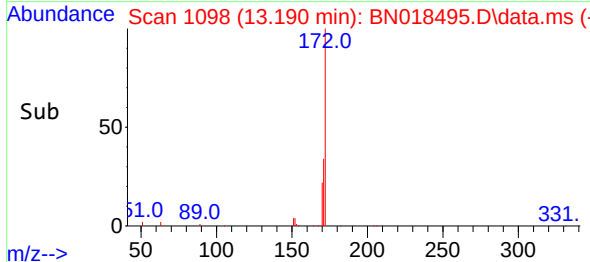
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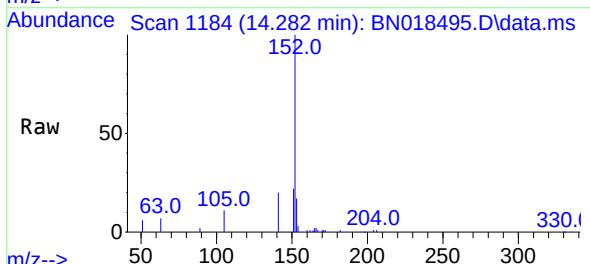
Tgt Ion:172 Resp: 7585
Ion Ratio Lower Upper
172 100
171 34.0 27.4 41.0
170 22.3 18.4 27.6

Manual Integrations
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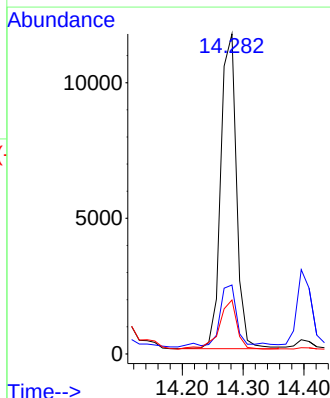
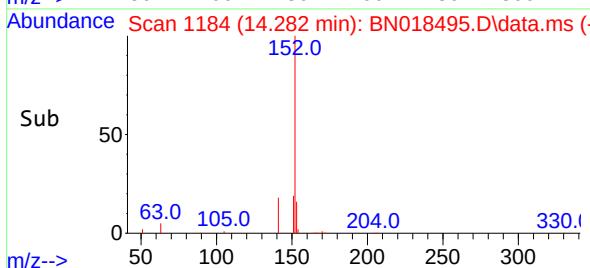
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

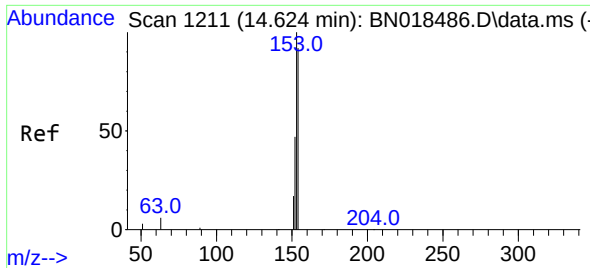


#16
Acenaphthylene
Concen: 0.064 ng
RT: 14.282 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11



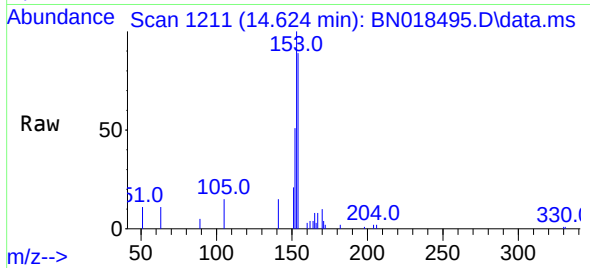
Tgt Ion:152 Resp: 20785
Ion Ratio Lower Upper
152 100
151 21.7 15.8 23.6
153 17.6 10.5 15.7#





#17
Acenaphthene
Concen: 0.041 ng
RT: 14.624 min Scan# 1211
Delta R.T. 0.000 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11

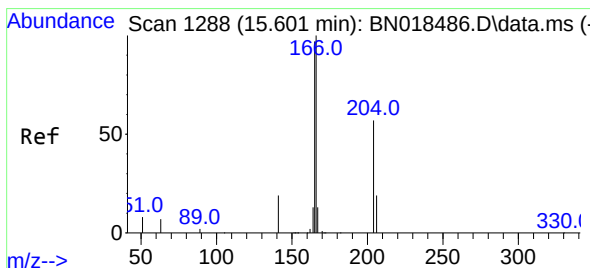
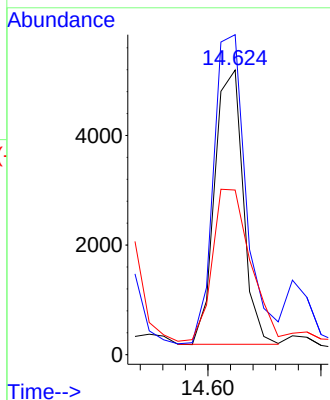
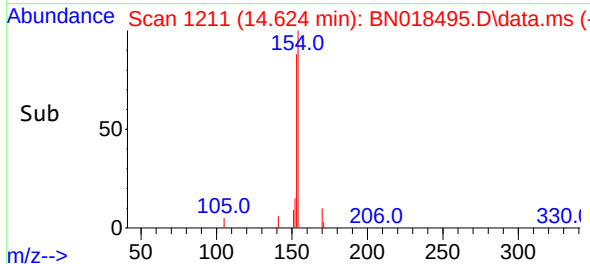
Instrument :
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SB-3(3-3.5)



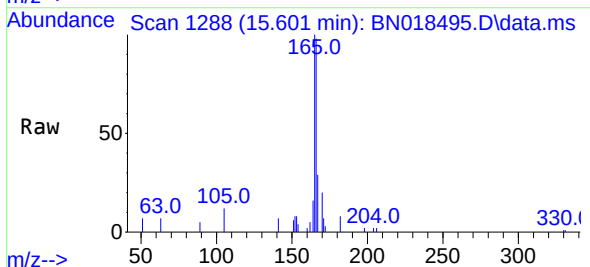
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Ion Ratio Lower Upper
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153 129.8 90.9 136.3
152 77.2 45.0 67.4

Manual Integrations
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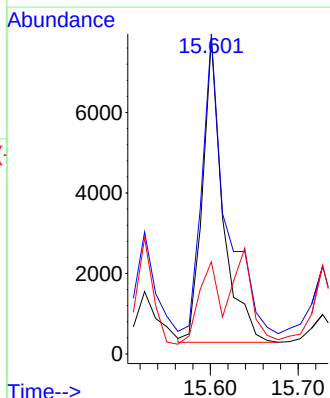
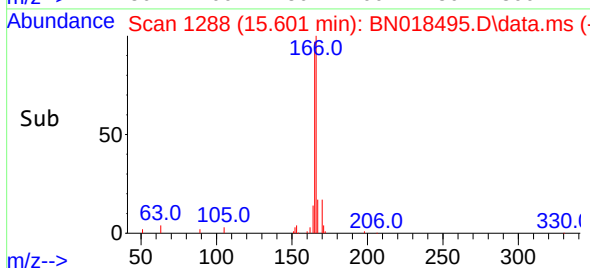
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

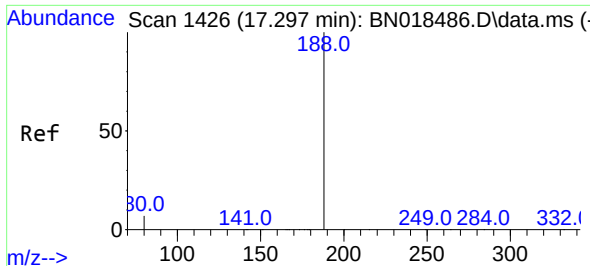


#18
Fluorene
Concen: 0.046 ng
RT: 15.601 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11



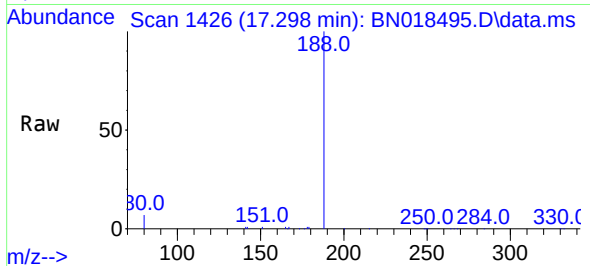
Tgt Ion:166 Resp: 12172
Ion Ratio Lower Upper
166 100
165 115.8 77.8 116.6
167 26.9 10.9 16.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.298 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11

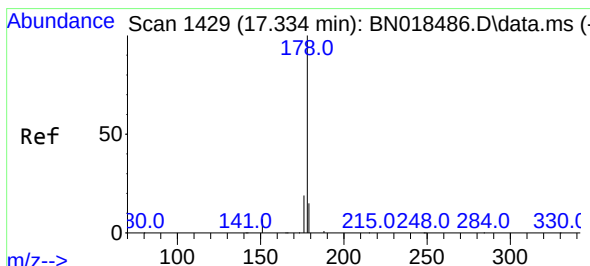
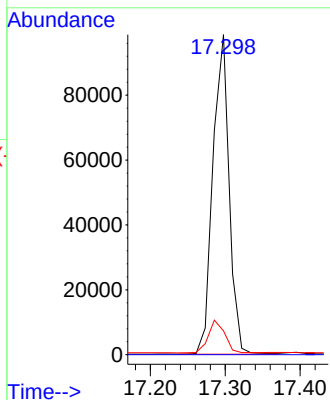
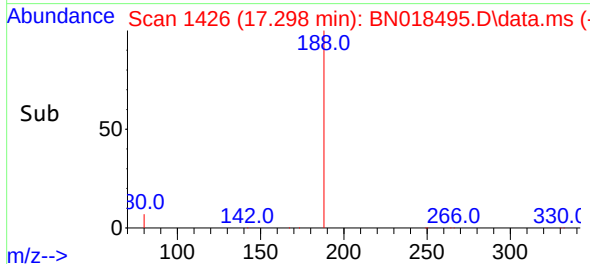
Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)



Tgt Ion:188 Resp: 148492
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.4 7.0 10.4

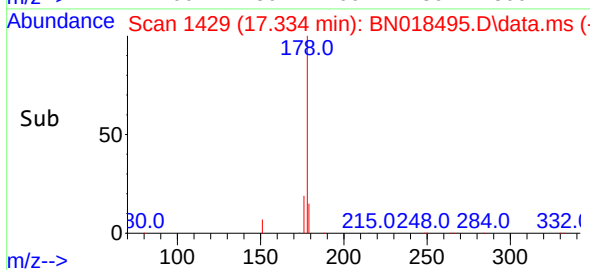
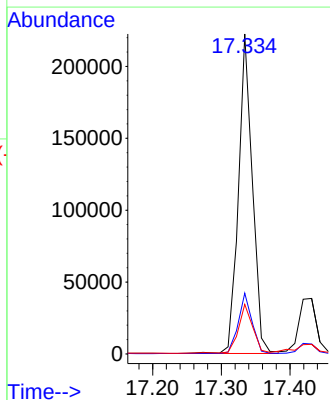
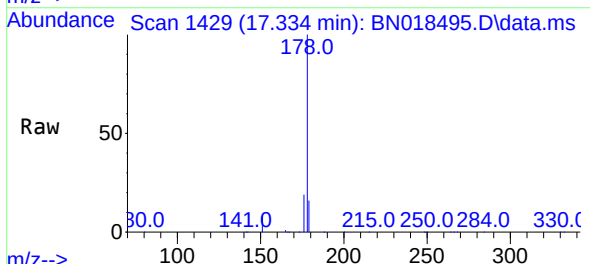
Manual Integrations
APPROVED

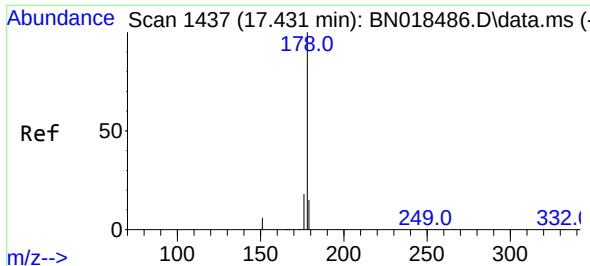
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#25
Phenanthrene
Concen: 0.724 ng
RT: 17.334 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11

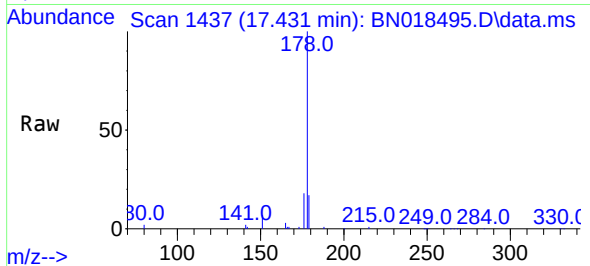
Tgt Ion:178 Resp: 314469
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.8 12.3 18.5





#26
 Anthracene
 Concen: 0.172 ng
 RT: 17.431 min Scan# 1437
 Delta R.T. 0.000 min
 Lab File: BN018495.D
 Acq: 27 Jan 2022 19:11

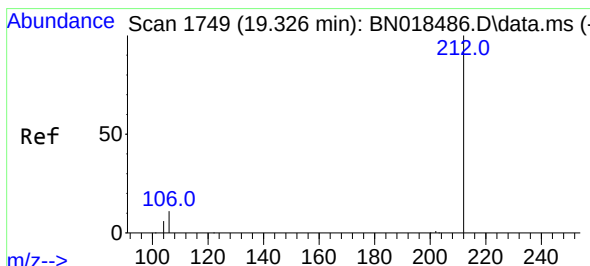
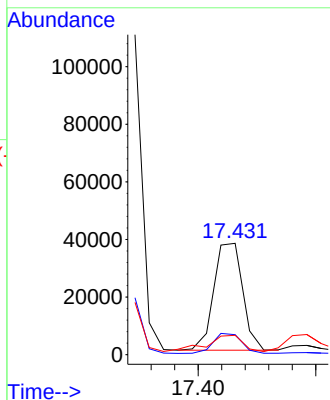
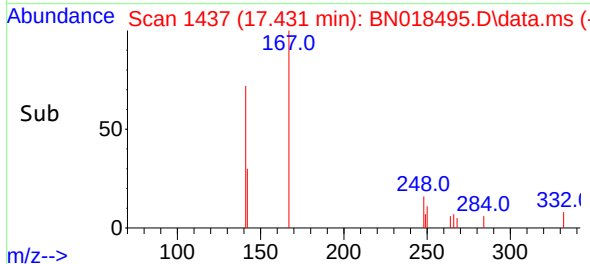
Instrument :
 BNA_N
 ClientSampleId :
 SB-3(3-3.5)



Tgt Ion:178 Resp: 63530
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.8 22.2
 179 19.0 12.2 18.4

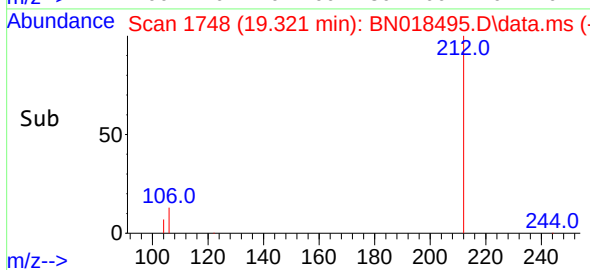
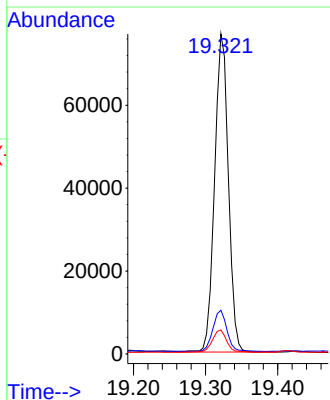
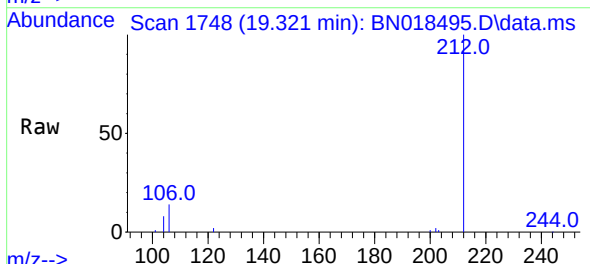
Manual Integrations
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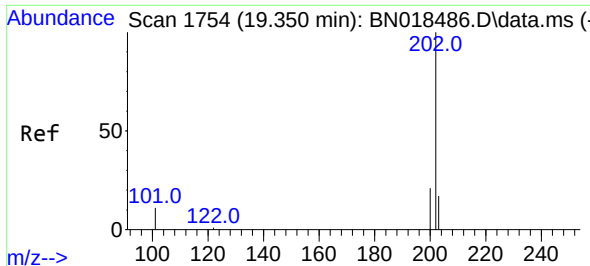
Reviewed By :Jagrut Upadhyay 01/31/2022
 Supervised By :mohammad ahmed 02/01/2022



#27
 Fluoranthene-d10
 Concen: 0.233 ng
 RT: 19.321 min Scan# 1748
 Delta R.T. -0.004 min
 Lab File: BN018495.D
 Acq: 27 Jan 2022 19:11

Tgt Ion:212 Resp: 101903
 Ion Ratio Lower Upper
 212 100
 106 13.1 8.4 12.6#
 104 7.5 4.5 6.7#





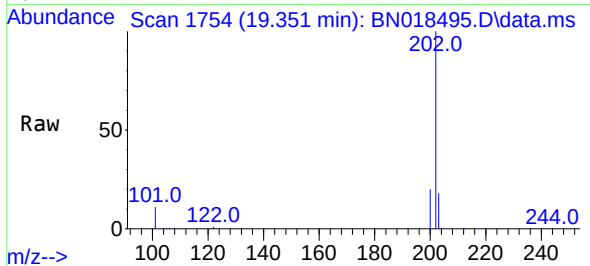
#28
Fluoranthene
Concen: 1.761 ng
RT: 19.351 min Scan# 1754
Delta R.T. 0.000 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11

Instrument :

BNA_N

ClientSampleId :

SB-3(3-3.5)

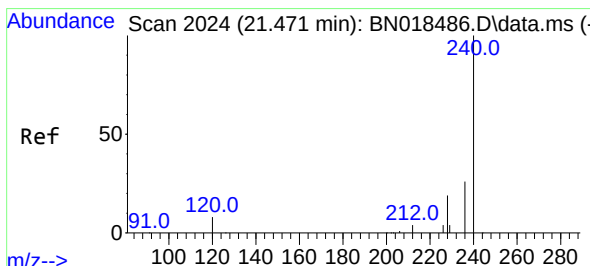
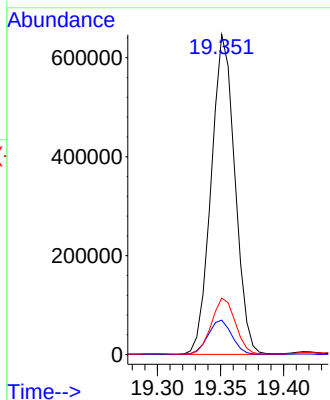
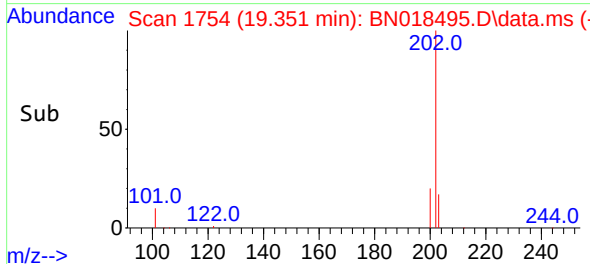


Tgt Ion:202 Resp: 84295
Ion Ratio Lower Upper
202 100
101 10.9 7.2 10.8
203 17.6 13.7 20.5

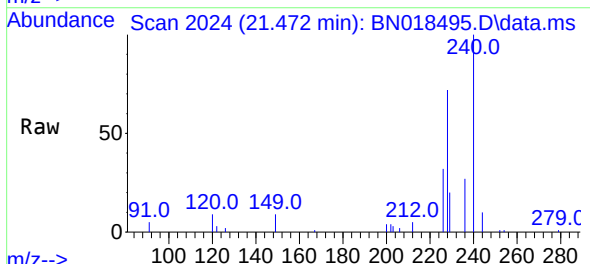
Manual Integrations

APPROVED

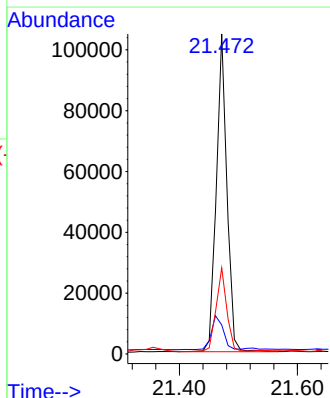
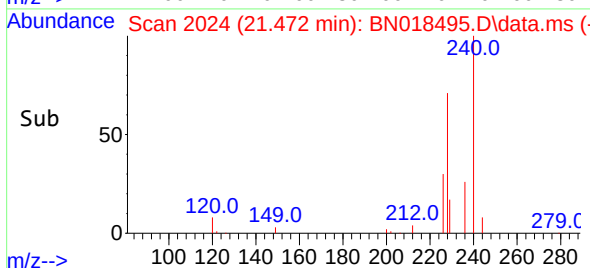
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

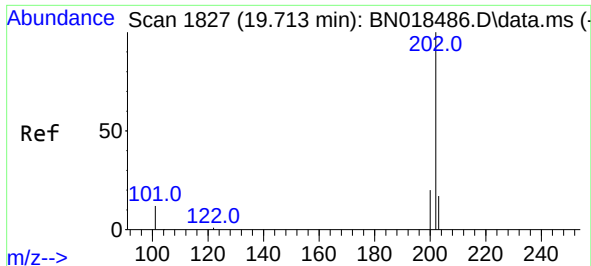


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.472 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11



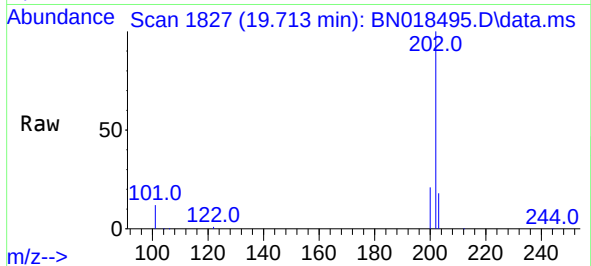
Tgt Ion:240 Resp: 129718
Ion Ratio Lower Upper
240 100
120 9.1 6.0 9.0#
236 26.9 21.4 32.2





#30
Pyrene
Concen: 1.731 ng
RT: 19.713 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11

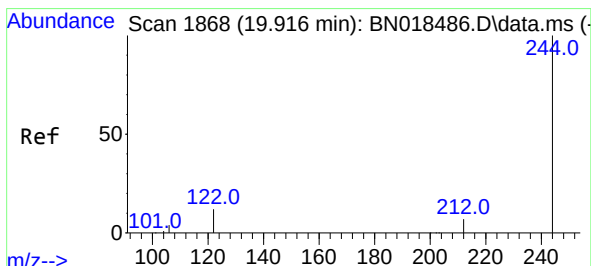
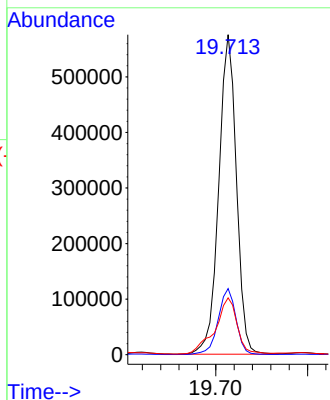
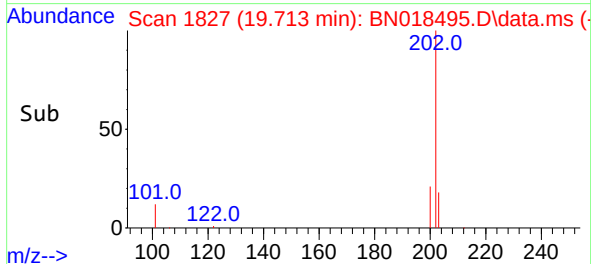
Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)



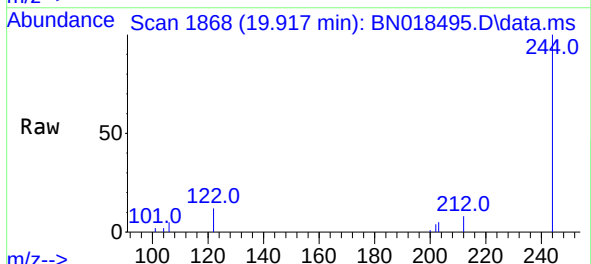
Tgt Ion:202 Resp: 76895
Ion Ratio Lower Upper
202 100
200 20.7 16.6 25.0
203 21.9 14.1 21.1

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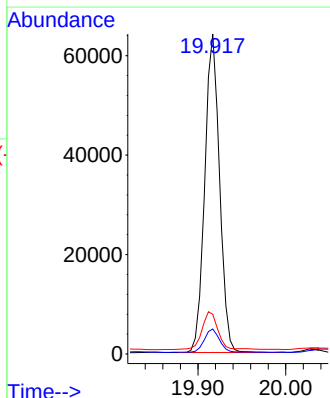
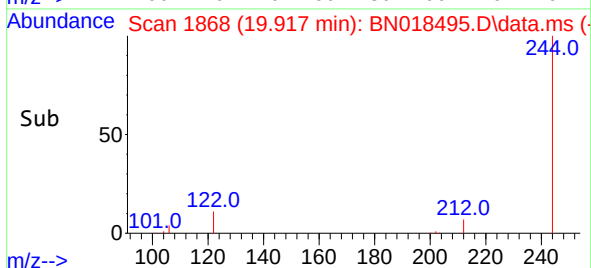
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

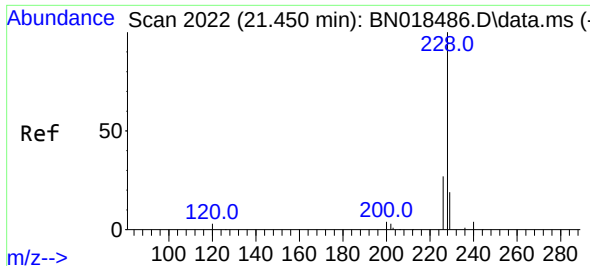


#31
Terphenyl-d14
Concen: 0.228 ng
RT: 19.917 min Scan# 1868
Delta R.T. 0.000 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11



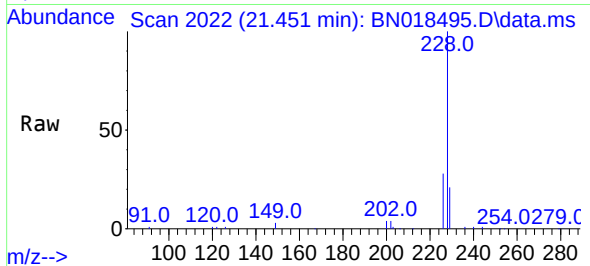
Tgt Ion:244 Resp: 75018
Ion Ratio Lower Upper
244 100
212 7.8 6.2 9.2
122 12.4 7.9 11.9





#32
Benzo(a)anthracene
Concen: 1.508 ng
RT: 21.451 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11

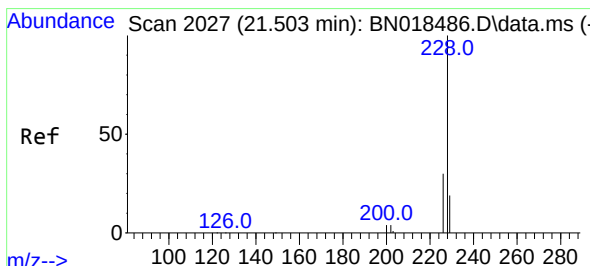
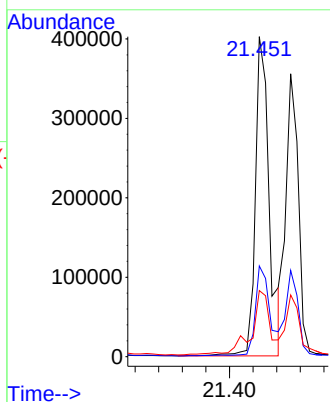
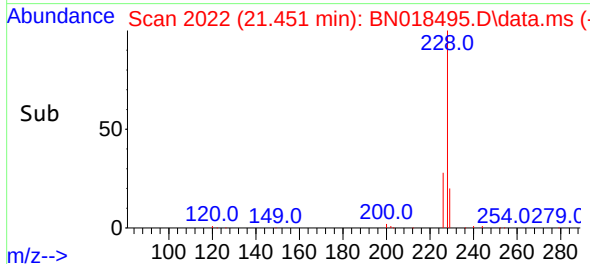
Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)



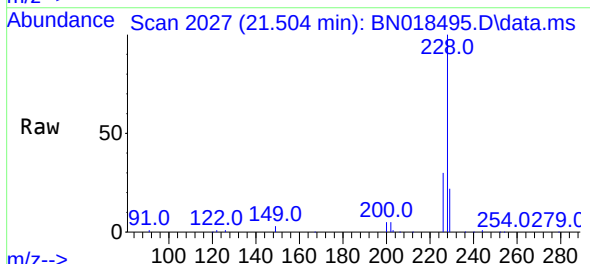
Tgt Ion:228 Resp: 650184
Ion Ratio Lower Upper
228 100
226 28.4 21.3 31.9
229 20.7 15.9 23.9

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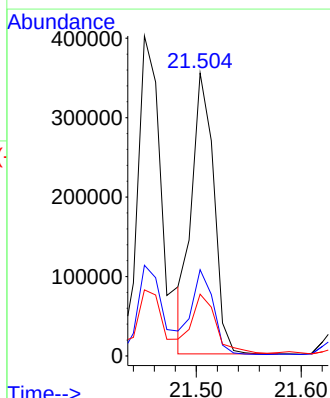
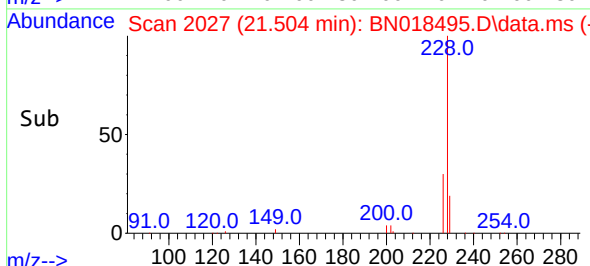
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

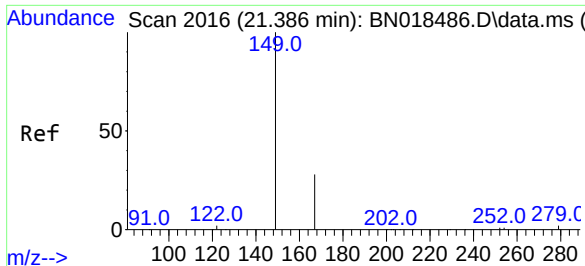


#33
Chrysene
Concen: 1.182 ng
RT: 21.504 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11



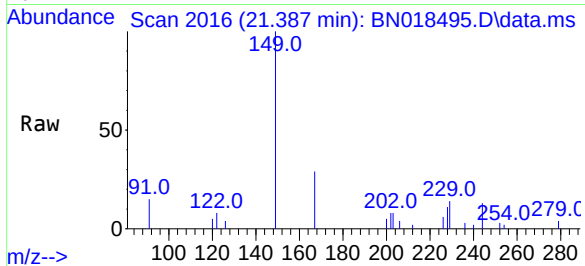
Tgt Ion:228 Resp: 516279
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.4
229 21.9 15.5 23.3





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.171 ng
RT: 21.387 min Scan# 2016
Delta R.T. 0.001 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11

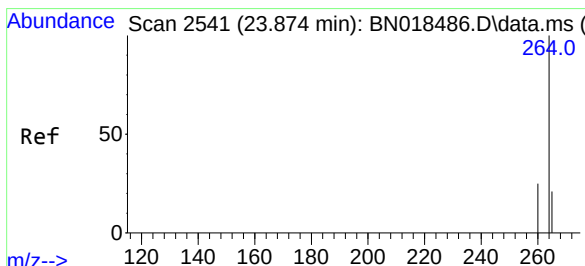
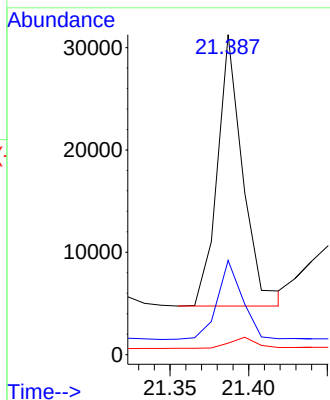
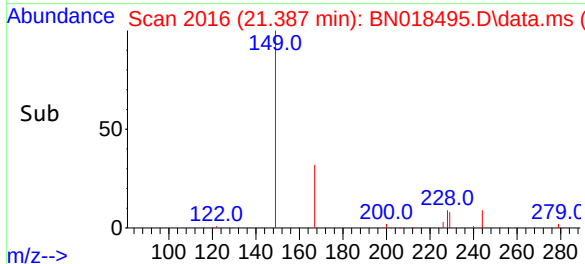
Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)



Tgt Ion:149 Resp: 2986
Ion Ratio Lower Upper
149 100
167 29.0 23.7 35.5
279 4.8 3.6 5.4

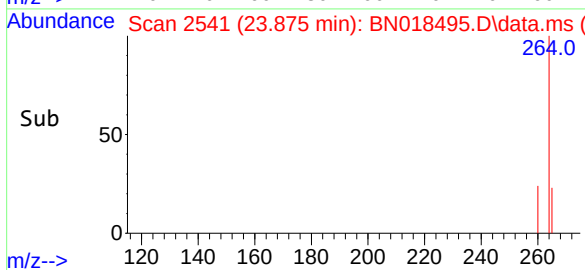
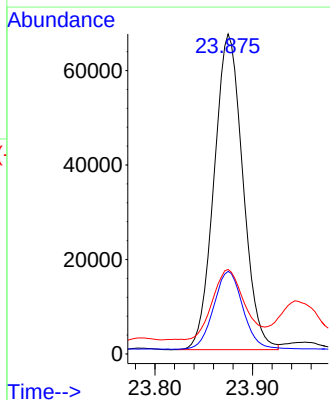
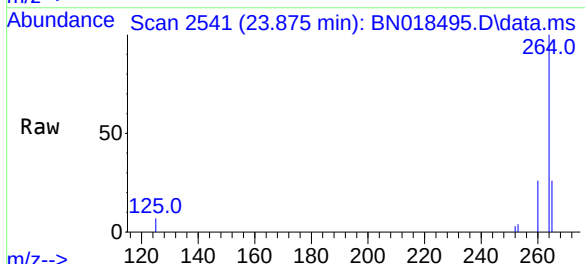
Manual Integrations
APPROVED

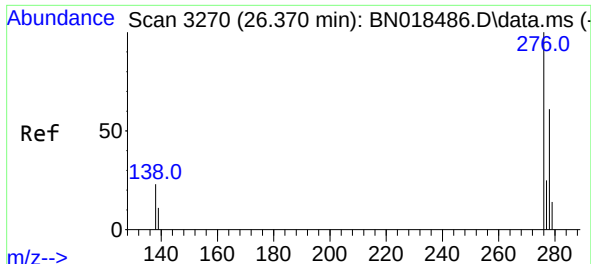
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.875 min Scan# 2541
Delta R.T. 0.000 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11

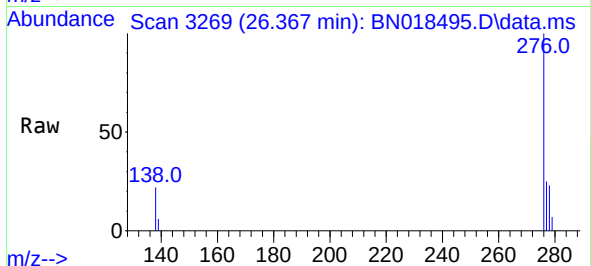
Tgt Ion:264 Resp: 136916
Ion Ratio Lower Upper
264 100
260 25.8 20.2 30.4
265 26.4 18.2 27.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.722 ng
RT: 26.367 min Scan# 31
Delta R.T. -0.003 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11

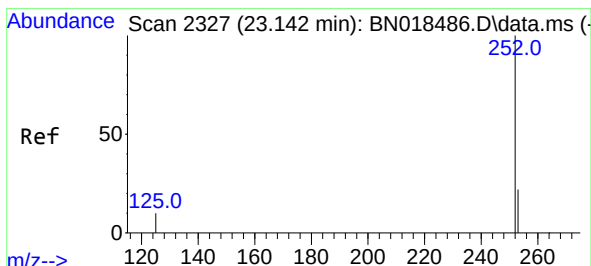
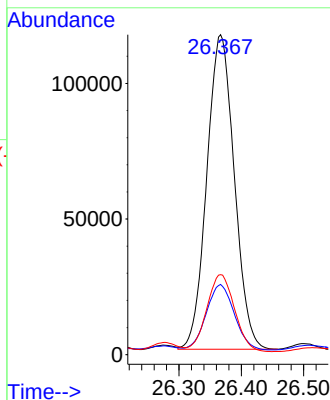
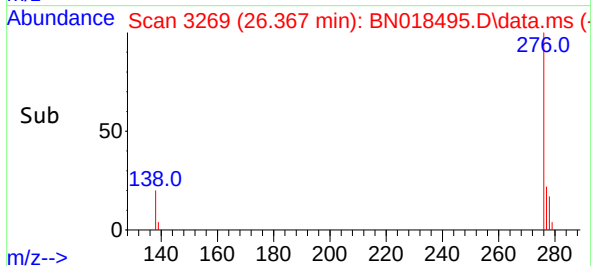
Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)



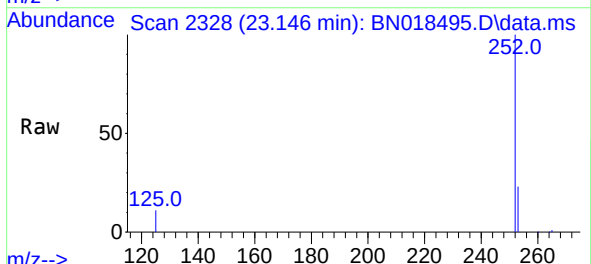
Tgt Ion:276 Resp: 355348
Ion Ratio Lower Upper
276 100
138 21.3 14.9 22.3
277 24.8 19.9 29.9

Manual Integrations
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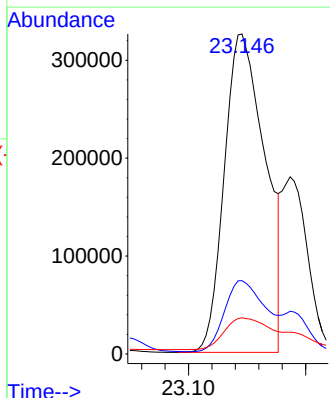
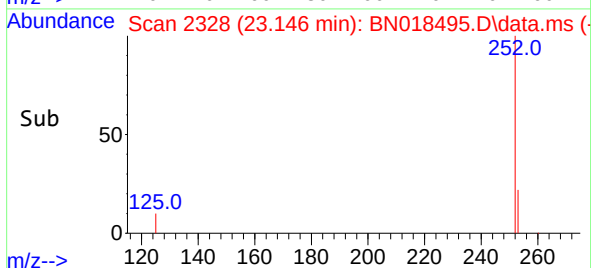
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

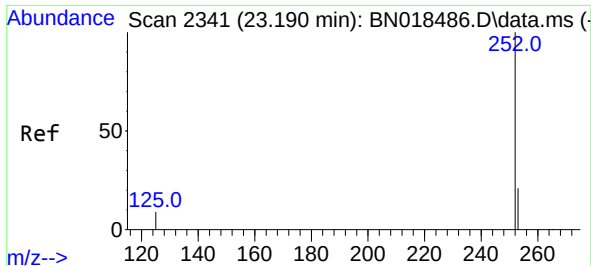


#37
Benzo(b)fluoranthene
Concen: 1.670 ng
RT: 23.146 min Scan# 2328
Delta R.T. 0.004 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11



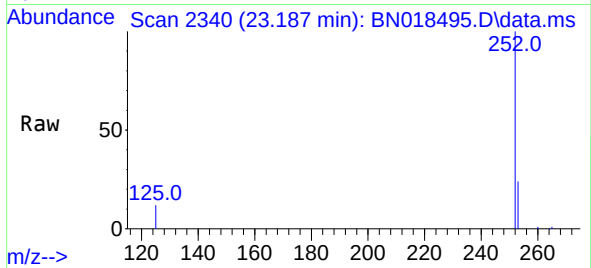
Tgt Ion:252 Resp: 787236
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 11.3 6.0 9.0#





#38
Benzo(k)fluoranthene
Concen: 0.587 ng m
RT: 23.187 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11

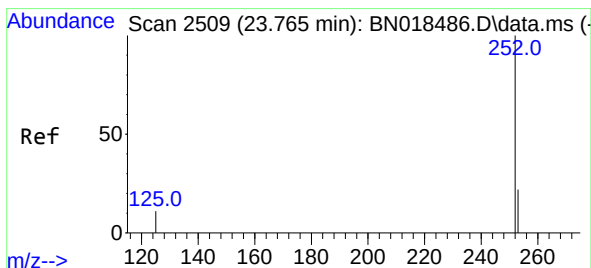
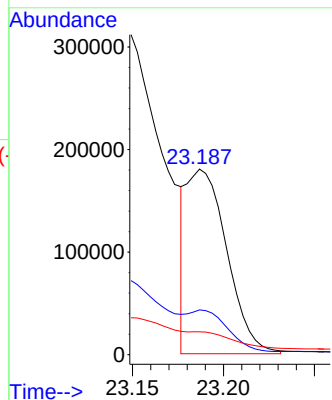
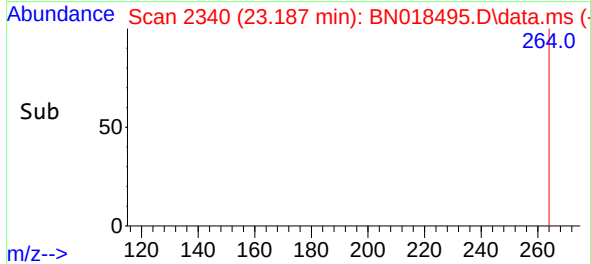
Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)



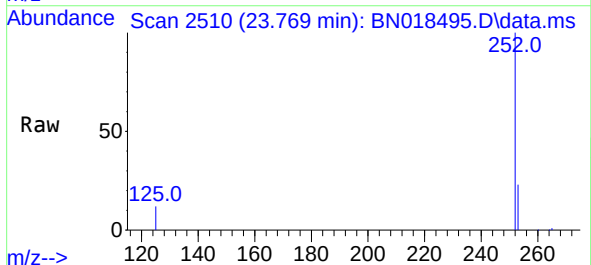
Tgt Ion:252 Resp: 27632
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 12.3 6.2 9.2

Manual Integrations
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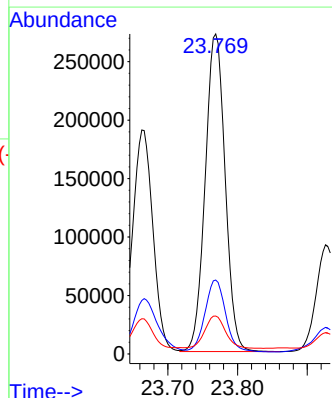
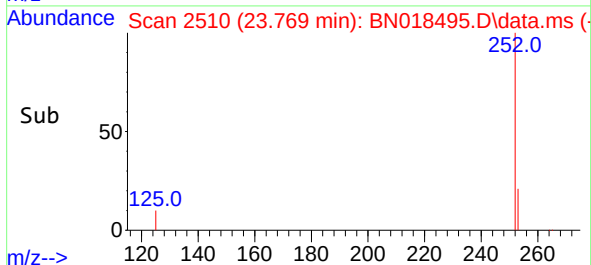
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

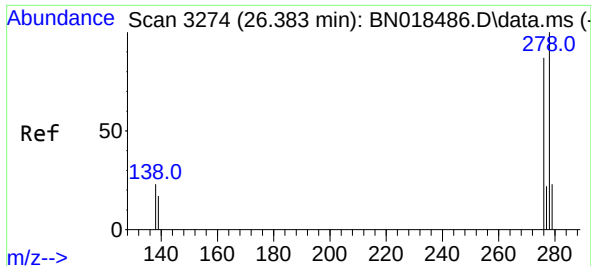


#39
Benzo(a)pyrene
Concen: 1.428 ng
RT: 23.769 min Scan# 2510
Delta R.T. 0.004 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11



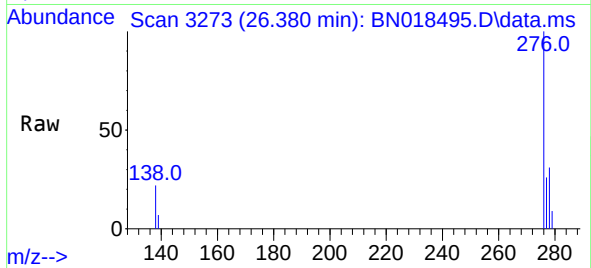
Tgt Ion:252 Resp: 538629
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 11.9 7.0 10.4





#40
Dibenzo(a,h)anthracene
Concen: 0.260 ng
RT: 26.380 min Scan# 31
Delta R.T. -0.003 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11

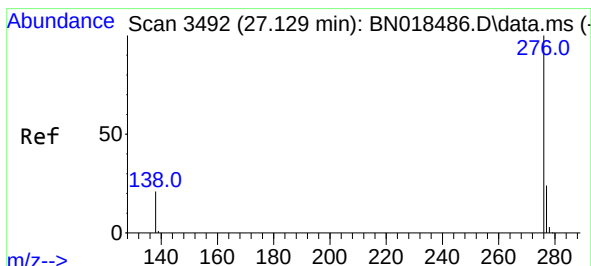
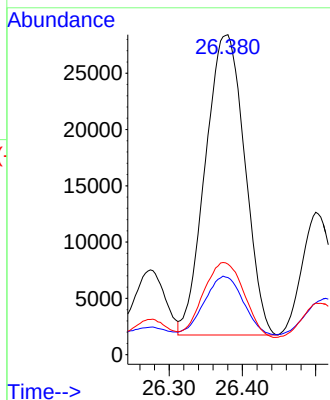
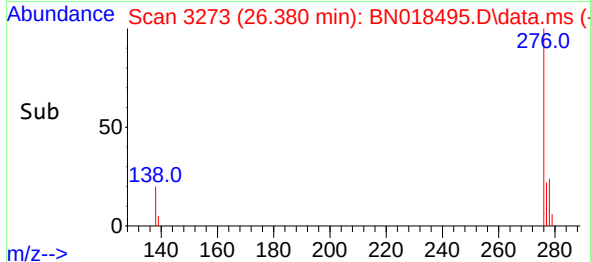
Instrument :
BNA_N
ClientSampleId :
SB-3(3-3.5)



Tgt Ion:278 Resp: 9963
Ion Ratio Lower Upper
278 100
139 24.1 10.8 16.2
279 28.3 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#41
Benzo(g,h,i)perylene
Concen: 0.761 ng
RT: 27.130 min Scan# 3492
Delta R.T. 0.000 min
Lab File: BN018495.D
Acq: 27 Jan 2022 19:11

Tgt Ion:276 Resp: 325936
Ion Ratio Lower Upper
276 100
277 24.3 19.0 28.6
138 22.4 12.6 19.0#

