

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012522\
 Data File : BN018472.D
 Acq On : 25 Jan 2022 22:46
 Operator : CG/JU
 Sample : N1245-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SB-5(3.5-4)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/26/2022
 Supervised By : Jagrut Upadhyay 01/26/2022

Quant Time: Jan 26 04:08:45 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN012422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 24 18:25:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.956	152	33107	0.400	ng	0.00
7) Naphthalene-d8	10.761	136	150403	0.400	ng	# 0.00
13) Acenaphthene-d10	14.573	164	85568	0.400	ng	0.00
19) Phenanthrene-d10	17.310	188	163967	0.400	ng	# 0.00
29) Chrysene-d12	21.482	240	140277	0.400	ng	-0.01
35) Perylene-d12	23.888	264	163383	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.522	112	22788	0.277	ng	0.00
5) Phenol-d6	7.107	99	25955	0.291	ng	0.00
8) Nitrobenzene-d5	9.101	82	27044m	0.312	ng	-0.01
11) 2-Methylnaphthalene-d10	12.341	152	59120	0.234	ng	0.00
14) 2,4,6-Tribromophenol	16.056	330	9656	0.374	ng	0.00
15) 2-Fluorobiphenyl	13.203	172	79309	0.258	ng	-0.01
27) Fluoranthene-d10	19.341	212	107218	0.217	ng	0.00
31) Terphenyl-d14	19.927	244	90102	0.207	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.799	128	259425	0.709	ng	99
12) 2-Methylnaphthalene	12.412	142	56182	0.220	ng	99
16) Acenaphthylene	14.294	152	325380	1.026	ng	100
17) Acenaphthene	14.637	154	64303	0.285	ng	98
18) Fluorene	15.614	166	120353m	0.443	ng	
25) Phenanthrene	17.346	178	1720226m	3.952	ng	
26) Anthracene	17.431	178	797820	2.167	ng	99
28) Fluoranthene	19.371	202	5221713	10.980	ng	# 96
30) Pyrene	19.723	202	4834942	8.076	ng	# 93
32) Benzo(a)anthracene	21.461	228	5103015	11.487	ng	94
33) Chrysene	21.514	228	3647163	8.300	ng	97
34) Bis(2-ethylhexyl)phtha...	21.397	149	16716	0.048	ng	94
36) Indeno(1,2,3-cd)pyrene	26.387	276	1994335	6.866	ng	97
37) Benzo(b)fluoranthene	23.159	252	5280832	8.972	ng	# 96
38) Benzo(k)fluoranthene	23.200	252	2185351m	4.221	ng	
39) Benzo(a)pyrene	23.786	252	4173881	9.690	ng	# 97
40) Dibenzo(a,h)anthracene	26.397	278	619546	2.565	ng	# 90
41) Benzo(g,h,i)perylene	27.154	276	1529397	5.176	ng	# 94

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

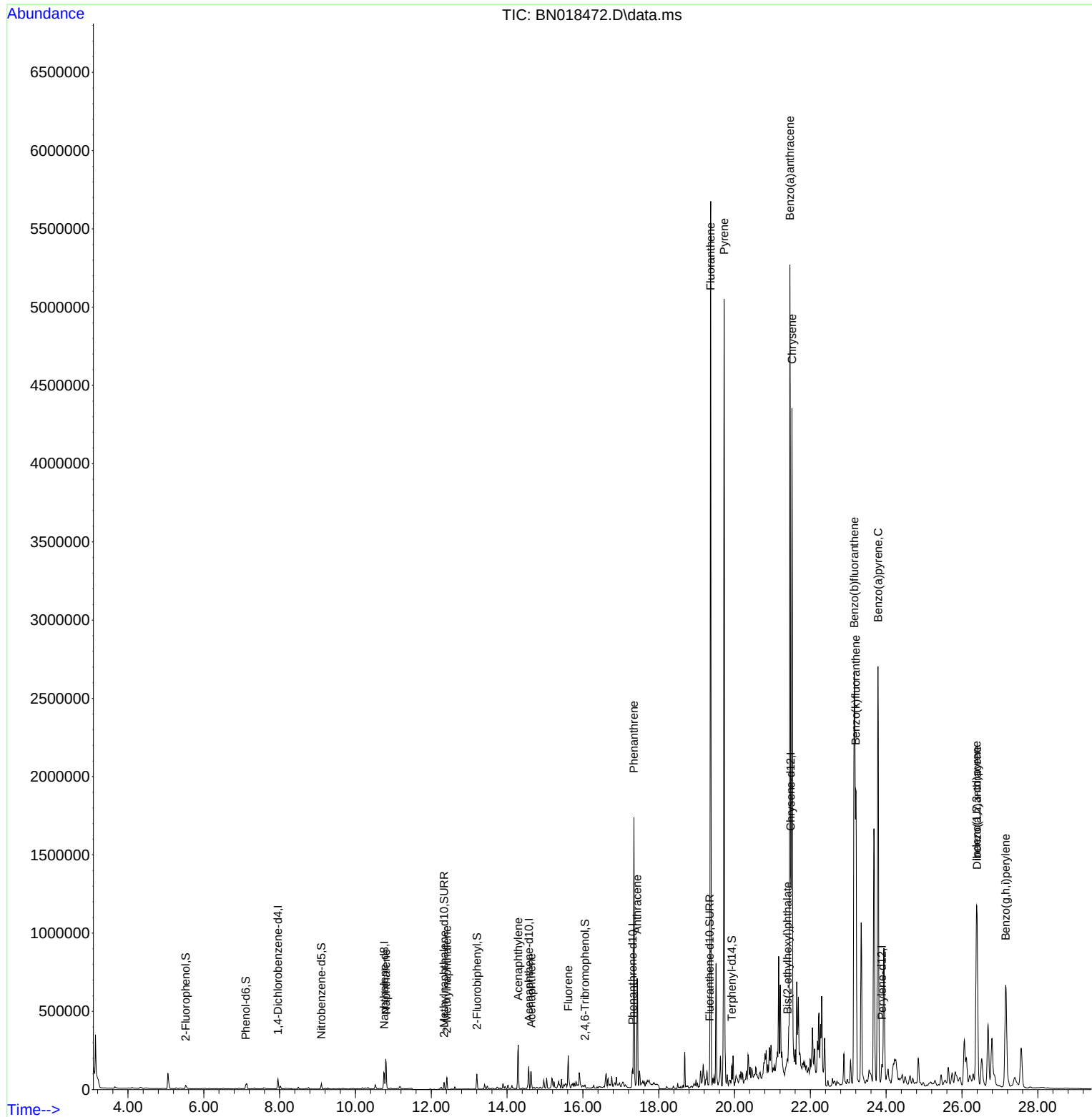
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012522\
Data File : BN018472.D
Acq On : 25 Jan 2022 22:46
Operator : CG/JU
Sample : N1245-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

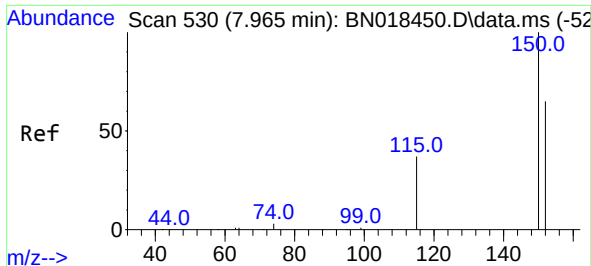
Instrument :
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ClientSampleId :
SB-5(3.5-4)

Quant Time: Jan 26 04:08:45 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN012422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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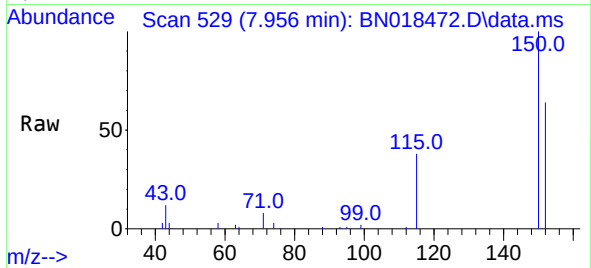
Reviewed By : Christian Giraldo 01/26/2022
Supervised By : Jagrut Upadhyay 01/26/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.956 min Scan# 51
Delta R.T. -0.009 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

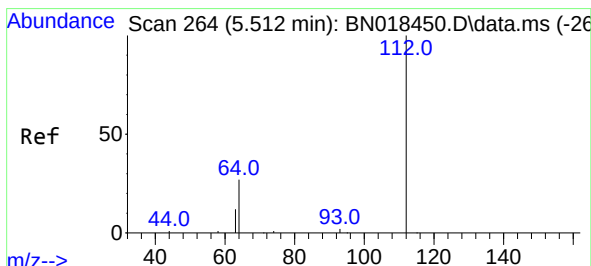
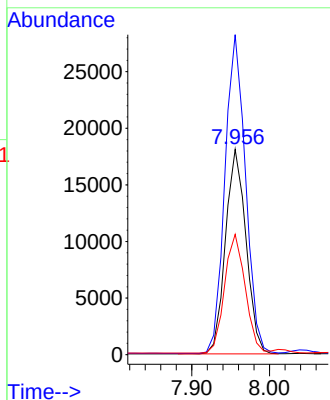
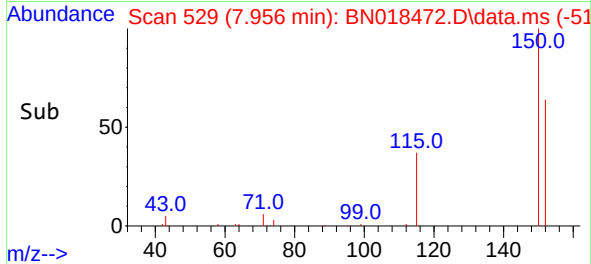
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)



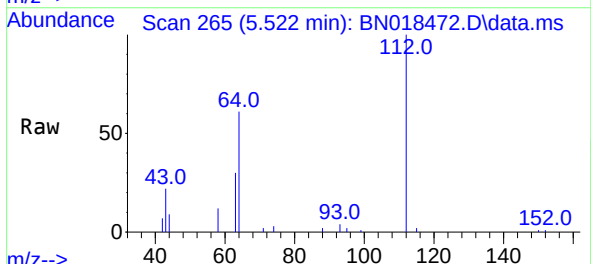
Tgt Ion:152 Resp: 3310
Ion Ratio Lower Upper
152 100
150 155.8 121.7 182.5
115 58.6 43.8 65.8

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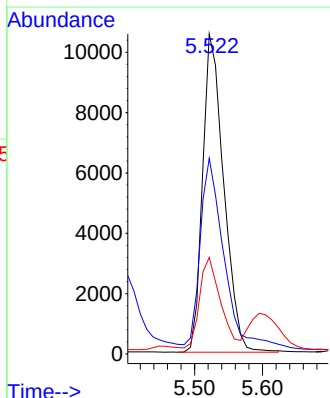
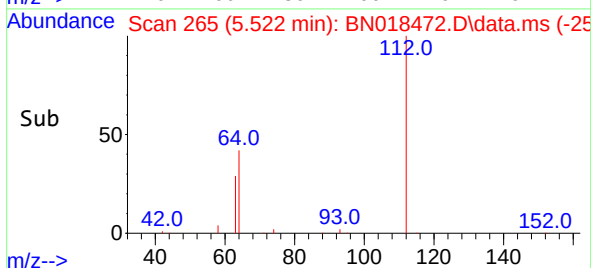
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Supervised By :Jagrut Upadhyay 01/26/2022

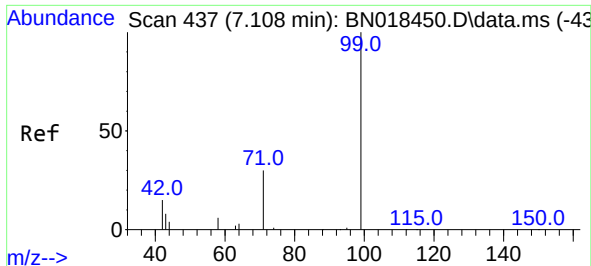


#4
2-Fluorophenol
Concen: 0.277 ng
RT: 5.522 min Scan# 265
Delta R.T. 0.009 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46



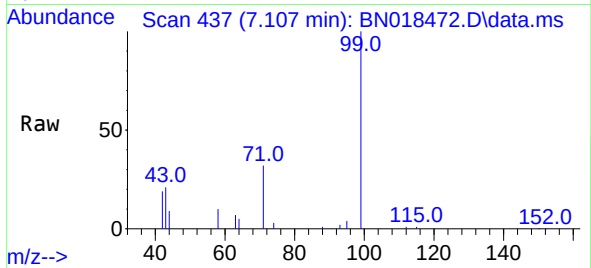
Tgt Ion:112 Resp: 22788
Ion Ratio Lower Upper
112 100
64 62.2 48.0 72.0
63 27.9 25.3 37.9





#5
Phenol-d6
Concen: 0.291 ng
RT: 7.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

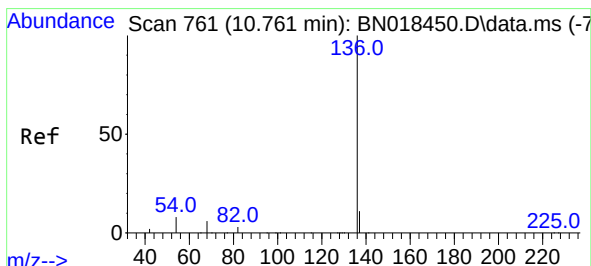
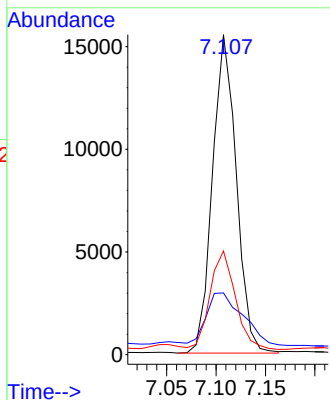
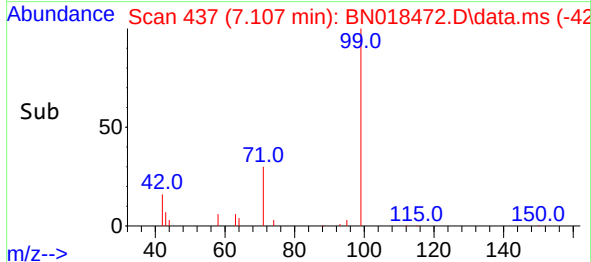
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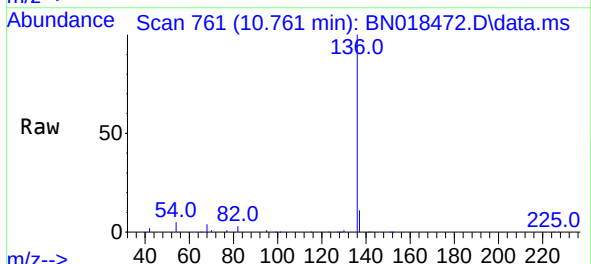
Tgt Ion: 99 Resp: 2595
Ion Ratio Lower Upper
99 100
42 25.6 16.3 24.5
71 32.9 26.8 40.2

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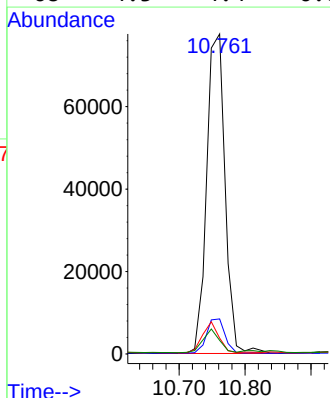
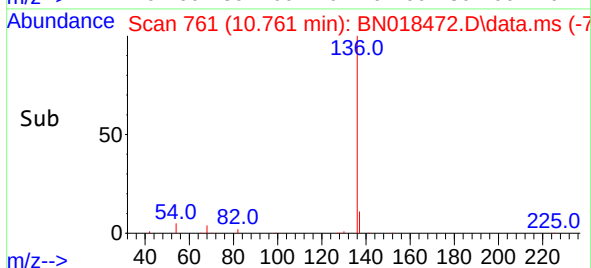
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

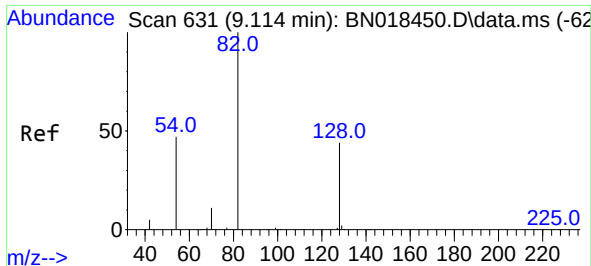


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.761 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46



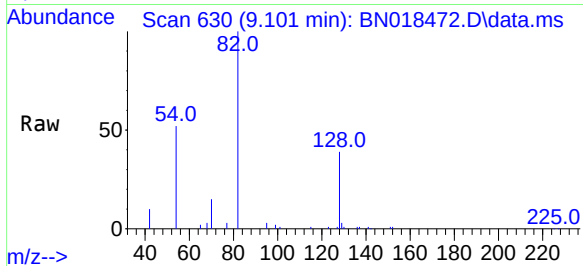
Tgt Ion:136 Resp: 150403
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 4.9 5.0 7.6#
68 4.3 4.4 6.6#





#8
Nitrobenzene-d5
Concen: 0.312 ng m
RT: 9.101 min Scan# 61
Delta R.T. -0.013 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

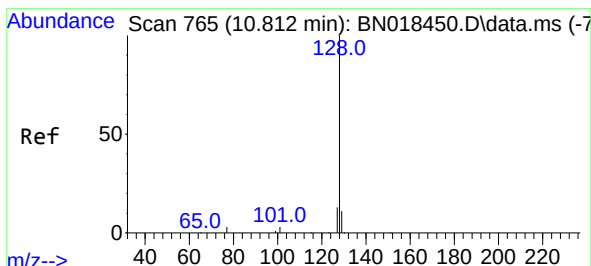
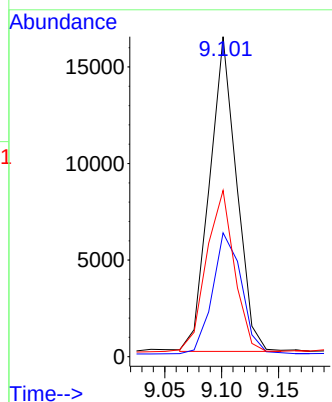
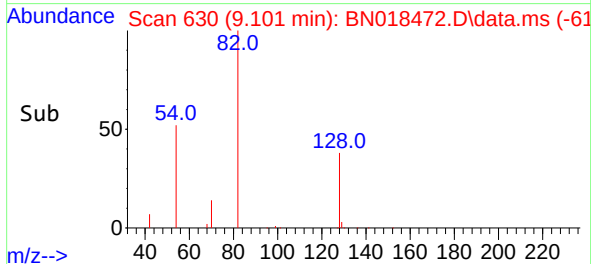
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)



Tgt Ion: 82 Resp: 27044
Ion Ratio Lower Upper
82 100
128 38.7 33.7 50.5
54 52.0 36.6 55.0

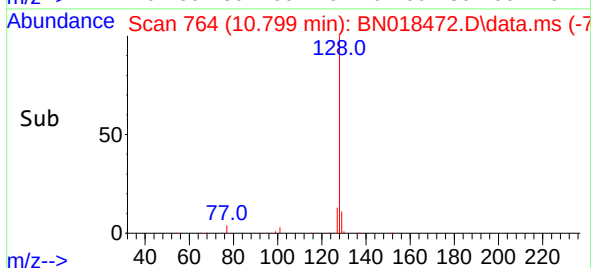
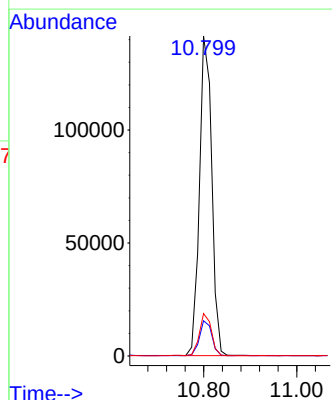
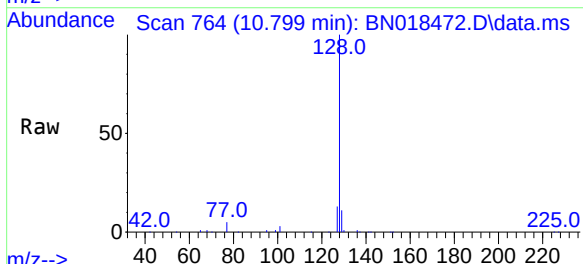
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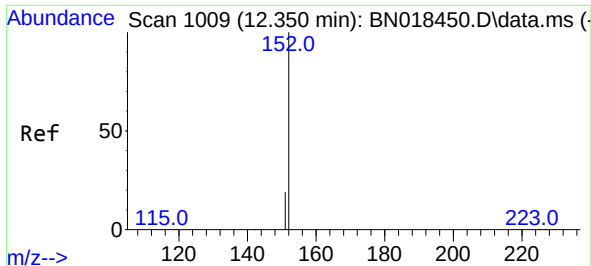
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#9
Naphthalene
Concen: 0.709 ng
RT: 10.799 min Scan# 764
Delta R.T. -0.013 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

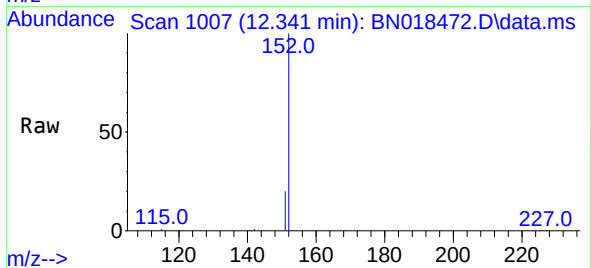
Tgt Ion:128 Resp: 259425
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.3 10.4 15.6





#11
2-Methylnaphthalene-d10
Concen: 0.234 ng
RT: 12.341 min Scan# 1007
Delta R.T. -0.009 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

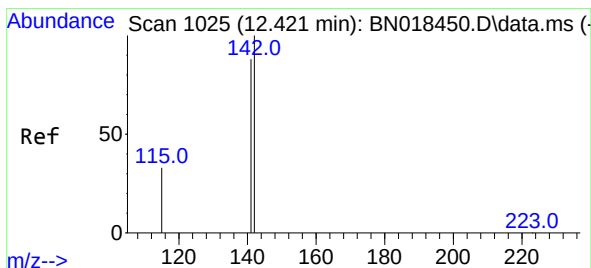
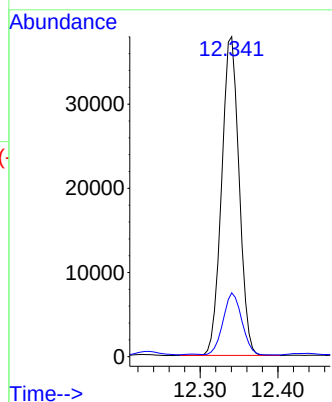
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)



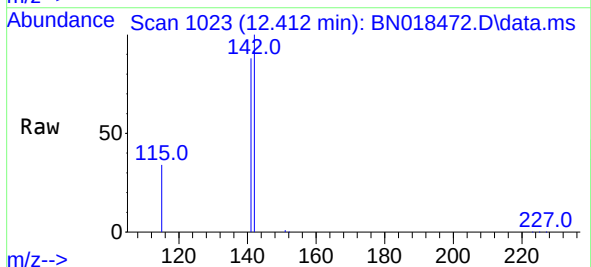
Tgt Ion:152 Resp: 59120
Ion Ratio Lower Upper
152 100
151 21.0 16.2 24.2

Manual Integrations
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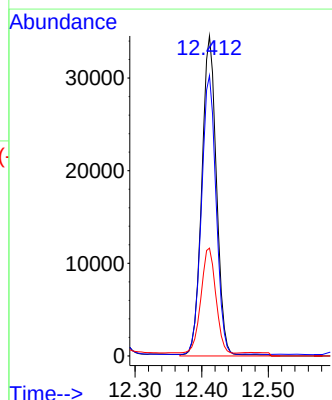
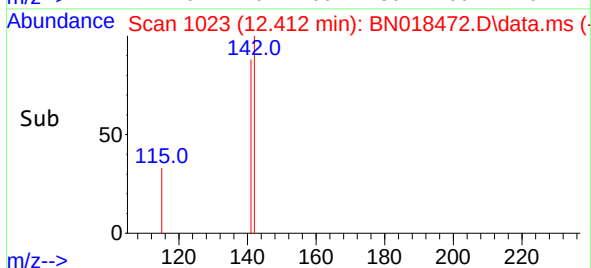
Reviewed By :Christian Giraldo 01/26/2022
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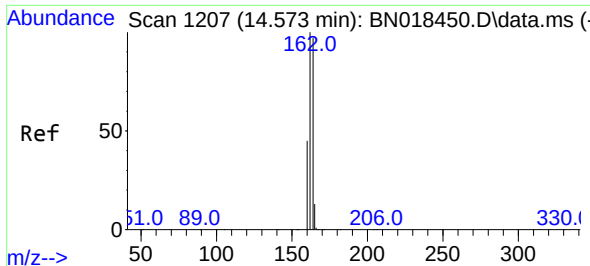


#12
2-Methylnaphthalene
Concen: 0.220 ng
RT: 12.412 min Scan# 1023
Delta R.T. -0.009 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46



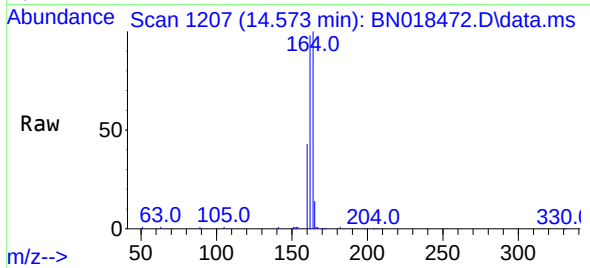
Tgt Ion:142 Resp: 56182
Ion Ratio Lower Upper
142 100
141 87.6 70.0 105.0
115 33.7 27.8 41.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.573 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

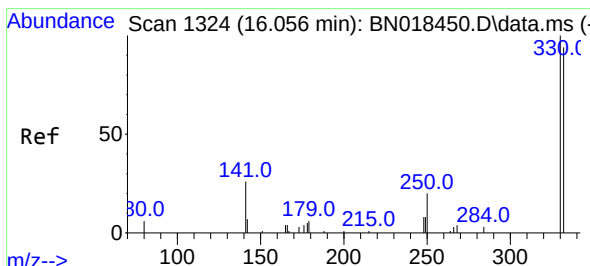
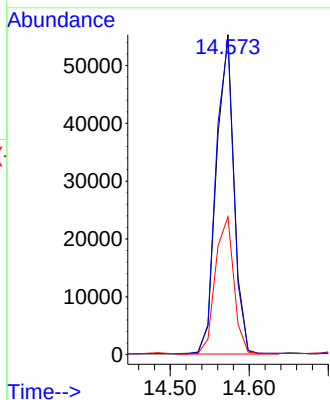
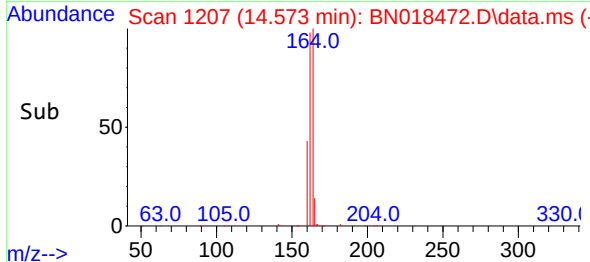
Instrument :
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SB-5(3.5-4)



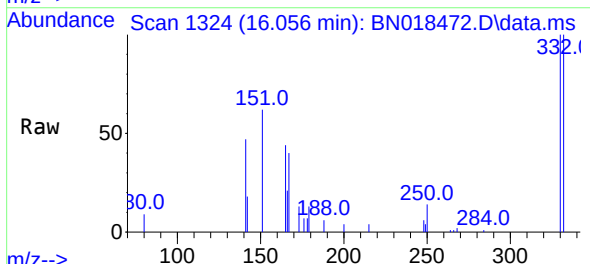
Tgt Ion:164 Resp: 8556
Ion Ratio Lower Upper
164 100
162 98.3 80.2 120.2
160 43.1 36.9 55.3

Manual Integrations
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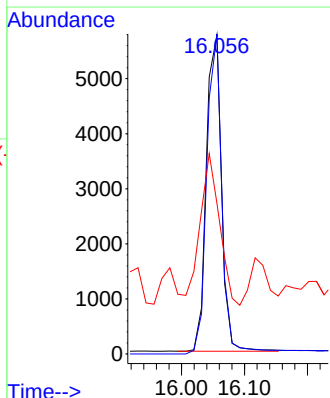
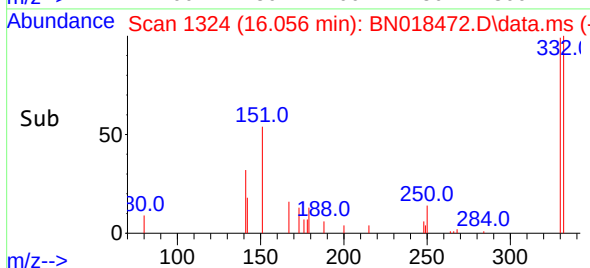
Reviewed By :Christian Giraldo 01/26/2022
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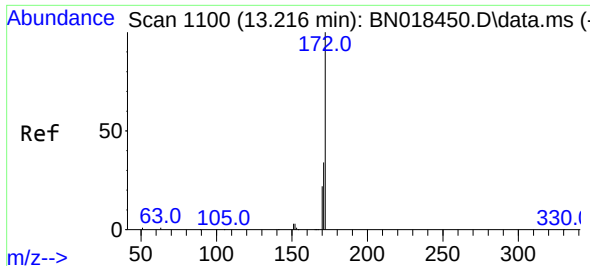


#14
2,4,6-Tribromophenol
Concen: 0.374 ng
RT: 16.056 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46



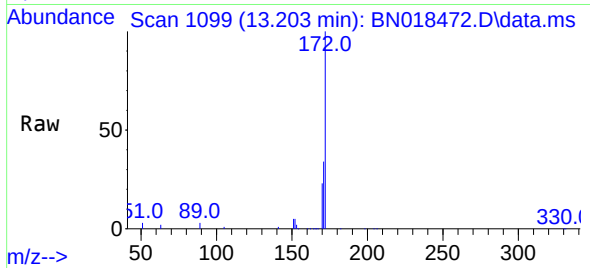
Tgt Ion:330 Resp: 9656
Ion Ratio Lower Upper
330 100
332 101.5 0.0 0.0#
141 60.5 21.3 31.9#





#15
2-Fluorobiphenyl
Concen: 0.258 ng
RT: 13.203 min Scan# 1099
Delta R.T. -0.013 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

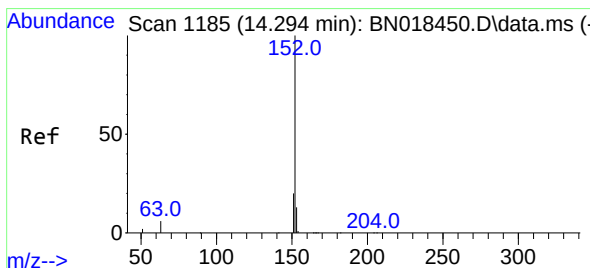
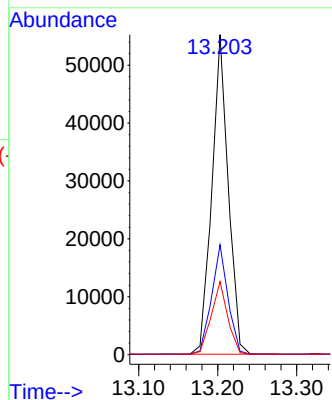
Instrument :
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SB-5(3.5-4)



Tgt Ion:172 Resp: 79309
Ion Ratio Lower Upper
172 100
171 34.4 27.4 41.0
170 22.9 18.4 27.6

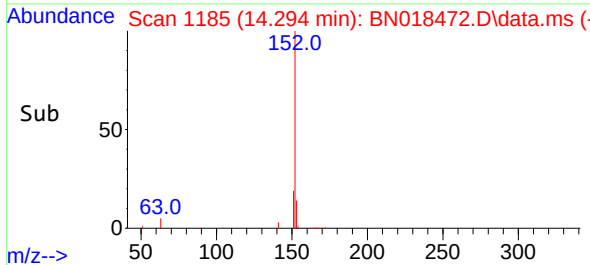
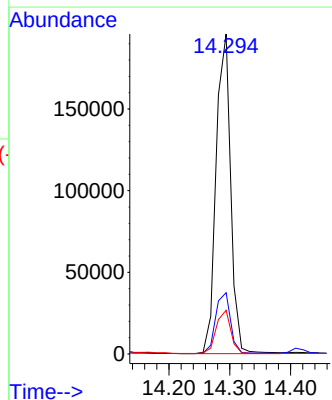
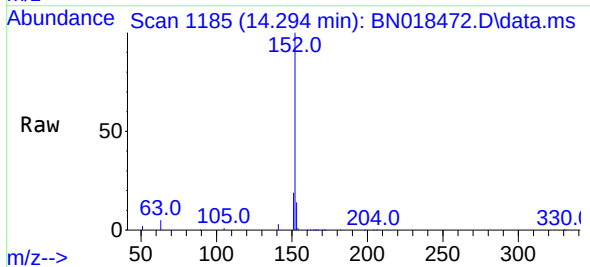
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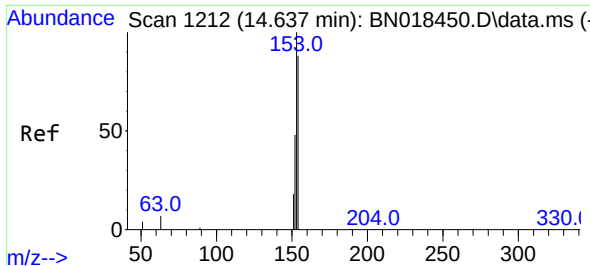
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#16
Acenaphthylene
Concen: 1.026 ng
RT: 14.294 min Scan# 1185
Delta R.T. -0.000 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

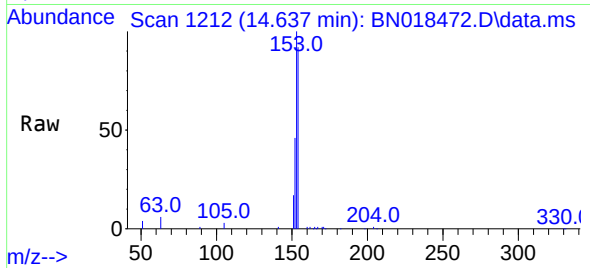
Tgt Ion:152 Resp: 325380
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.5 10.5 15.7





#17
Acenaphthene
Concen: 0.285 ng
RT: 14.637 min Scan# 1212
Delta R.T. -0.000 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

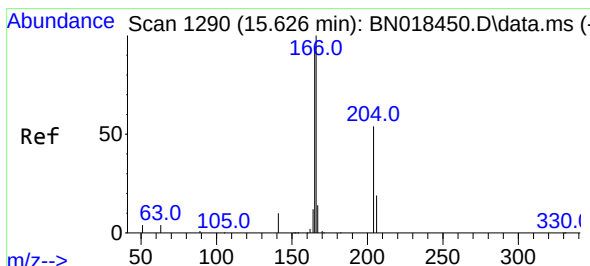
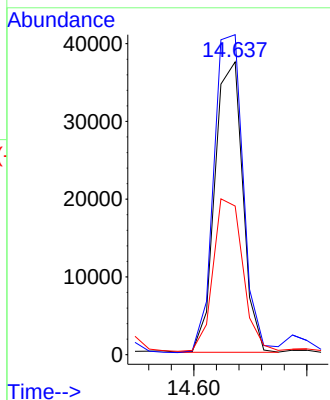
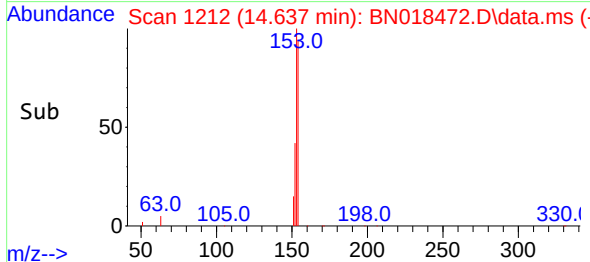
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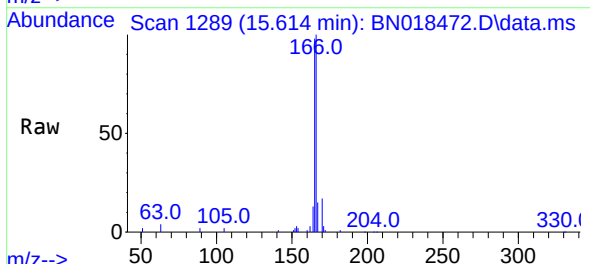
Tgt Ion:154 Resp: 6430
Ion Ratio Lower Upper
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153 115.6 90.9 136.3
152 57.1 45.0 67.4

Manual Integrations
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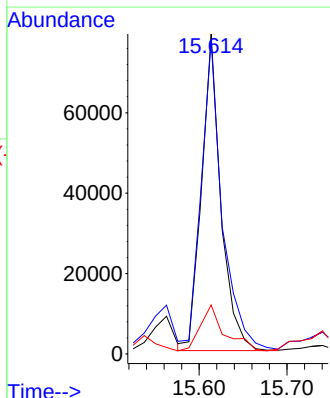
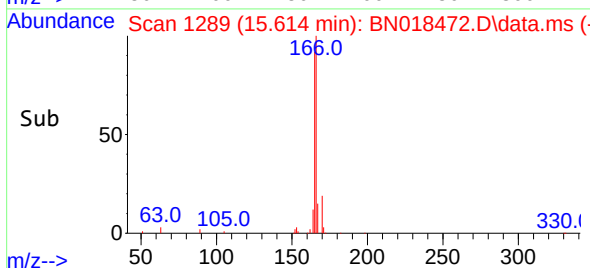
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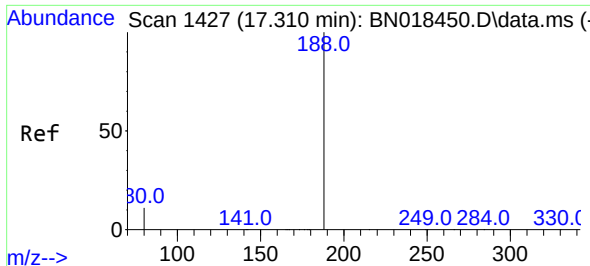


#18
Fluorene
Concen: 0.443 ng m
RT: 15.614 min Scan# 1289
Delta R.T. -0.013 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46



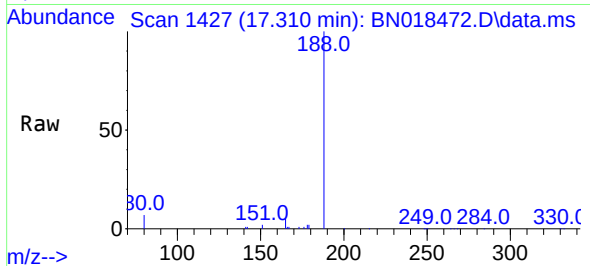
Tgt Ion:166 Resp: 120353
Ion Ratio Lower Upper
166 100
165 105.9 77.8 116.6
167 18.2 10.9 16.3#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.310 min Scan# 1427
Delta R.T. -0.000 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

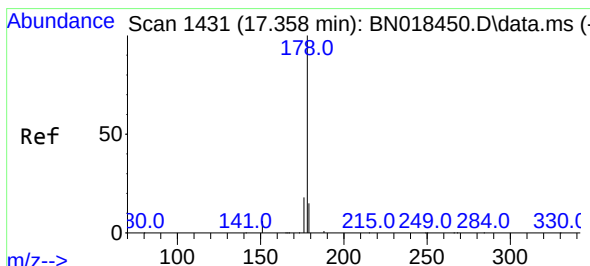
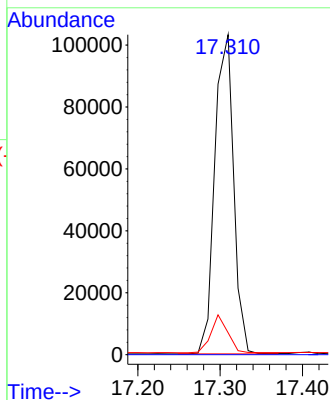
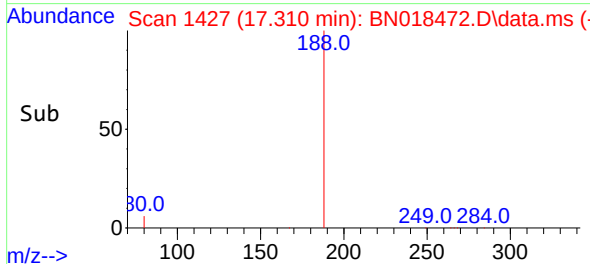
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)



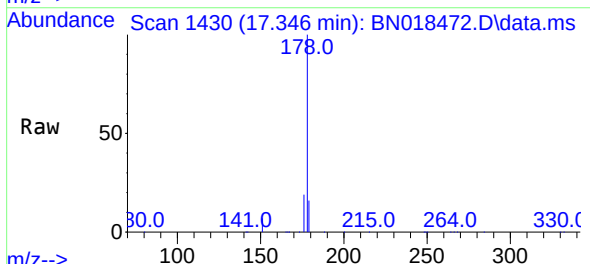
Tgt Ion:188 Resp: 16396
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.9 7.0 10.4

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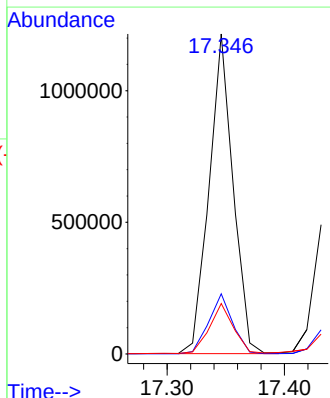
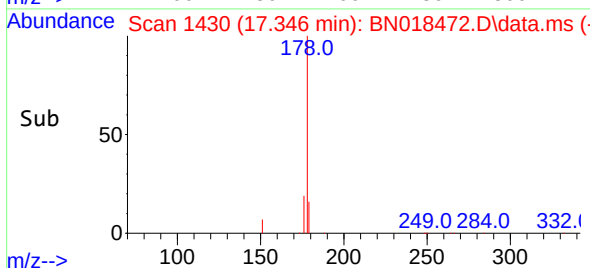
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

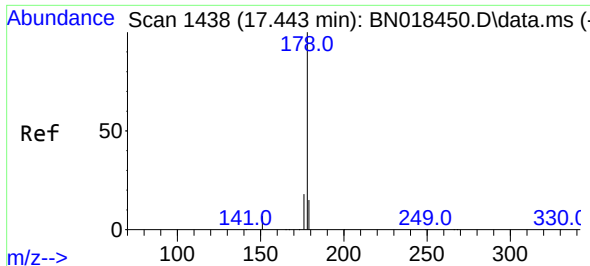


#25
Phenanthrene
Concen: 3.952 ng m
RT: 17.346 min Scan# 1430
Delta R.T. -0.012 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46



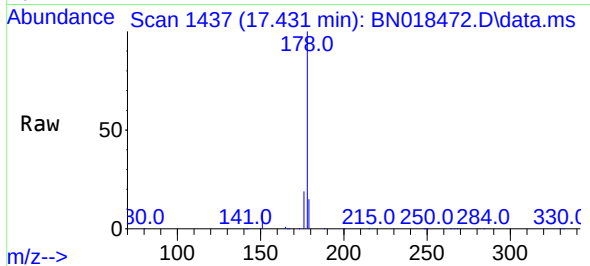
Tgt Ion:178 Resp: 1720226
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 16.0 12.3 18.5





#26
 Anthracene
 Concen: 2.167 ng
 RT: 17.431 min Scan# 1438
 Delta R.T. -0.012 min
 Lab File: BN018472.D
 Acq: 25 Jan 2022 22:46

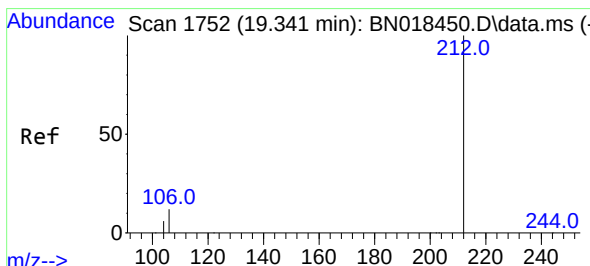
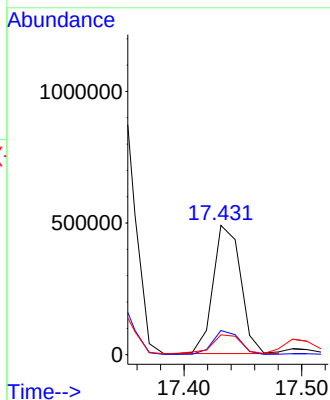
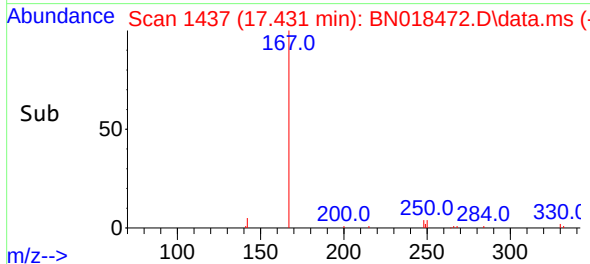
Instrument :
 BNA_N
 ClientSampleId :
 SB-5(3.5-4)



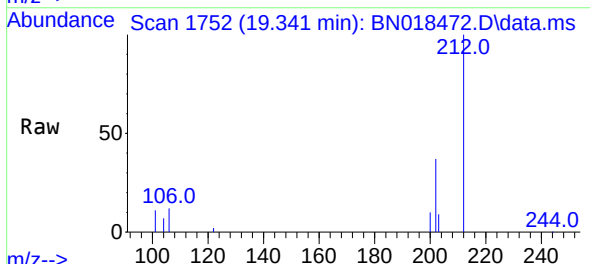
Tgt Ion:178 Resp: 797820
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.8 22.2
 179 15.8 12.2 18.4

Manual Integrations
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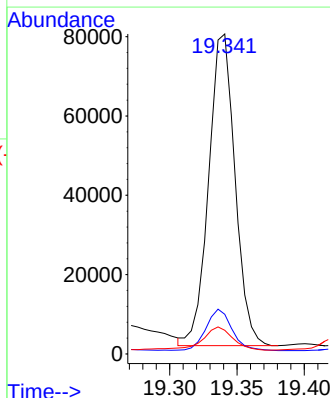
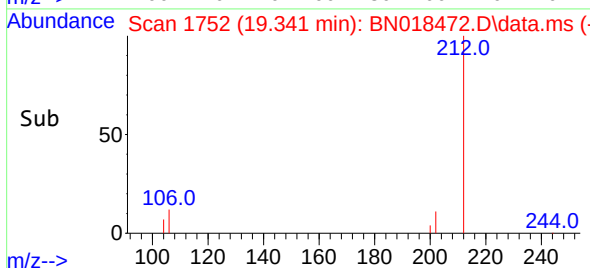
Reviewed By :Christian Giraldo 01/26/2022
 Supervised By :Jagrut Upadhyay 01/26/2022

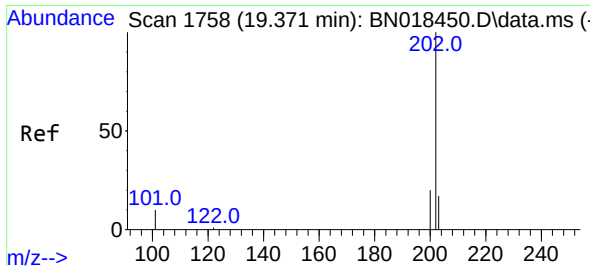


#27
 Fluoranthene-d10
 Concen: 0.217 ng
 RT: 19.341 min Scan# 1752
 Delta R.T. -0.000 min
 Lab File: BN018472.D
 Acq: 25 Jan 2022 22:46



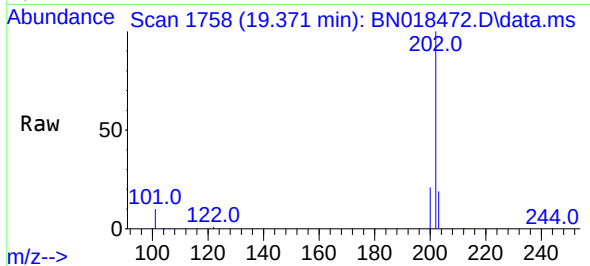
Tgt Ion:212 Resp: 107218
 Ion Ratio Lower Upper
 212 100
 106 13.2 8.4 12.6#
 104 8.8 4.5 6.7#





#28
Fluoranthene
Concen: 10.980 ng
RT: 19.371 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

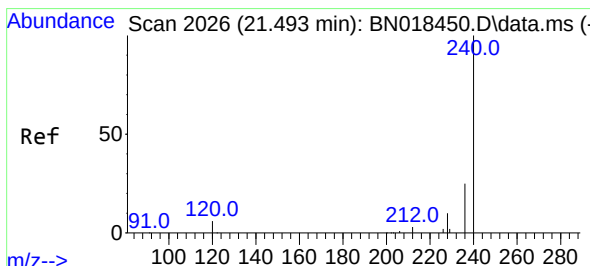
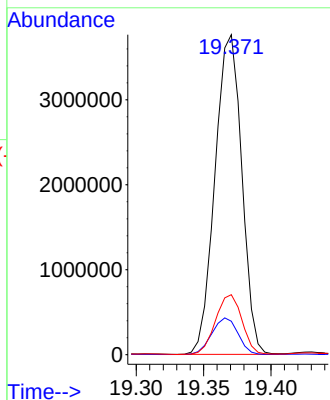
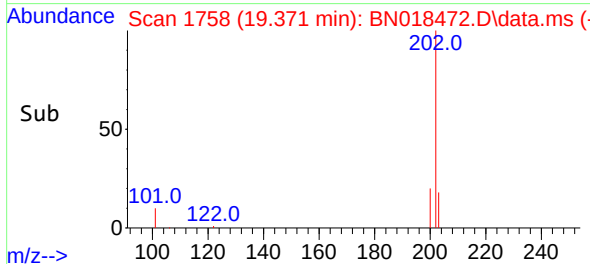
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)



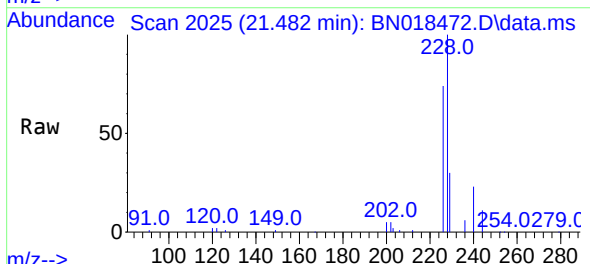
Tgt Ion:202 Resp: 522171
Ion Ratio Lower Upper
202 100
101 11.2 7.2 10.8
203 18.5 13.7 20.5

Manual Integrations
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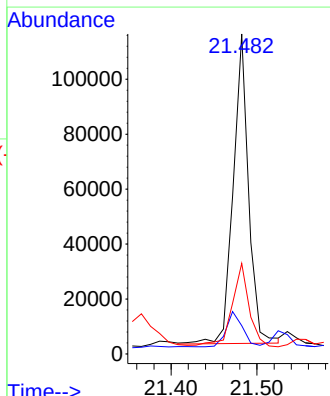
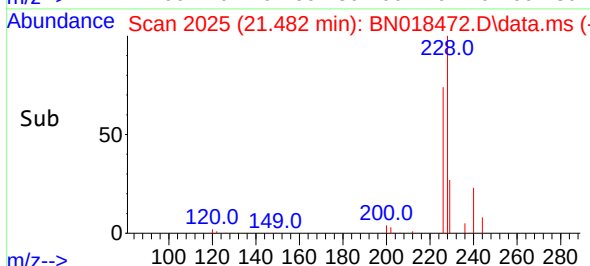
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

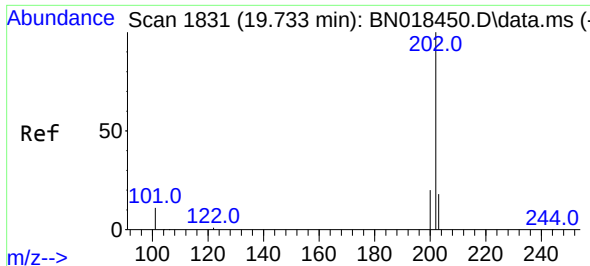


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.482 min Scan# 2025
Delta R.T. -0.011 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46



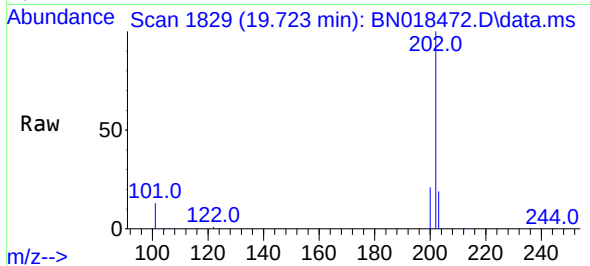
Tgt Ion:240 Resp: 140277
Ion Ratio Lower Upper
240 100
120 8.9 6.0 9.0
236 28.3 21.4 32.2





#30
 Pyrene
 Concen: 8.076 ng
 RT: 19.723 min Scan# 1829
 Delta R.T. -0.010 min
 Lab File: BN018472.D
 Acq: 25 Jan 2022 22:46

Instrument :
 BNA_N
 ClientSampleId :
 SB-5(3.5-4)

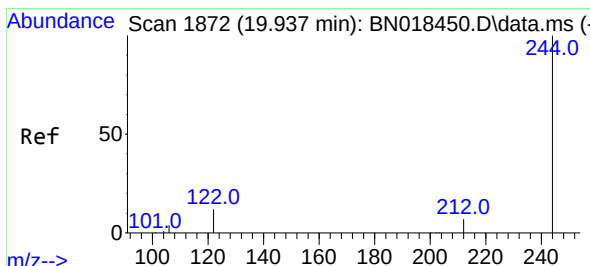
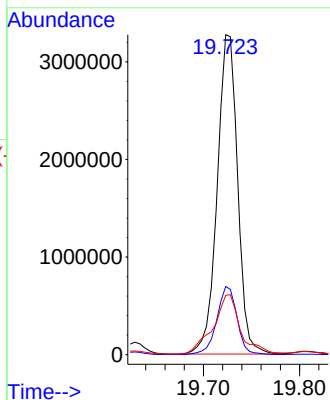
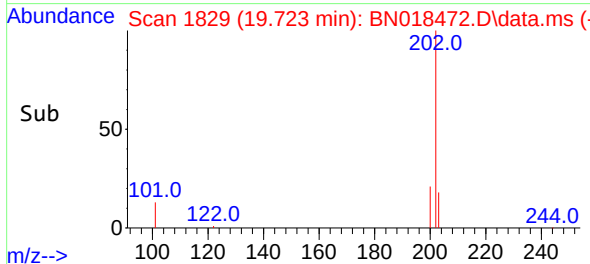


Tgt Ion:202 Resp: 483494

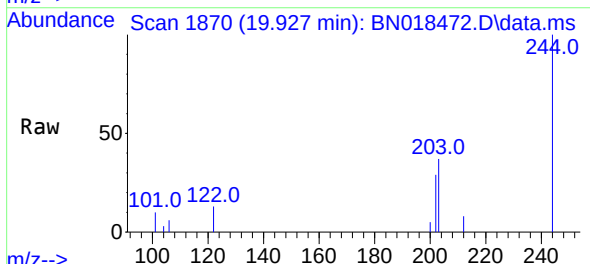
Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	24.6	14.1	21.1

Manual Integrations
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 Supervised By :Jagrut Upadhyay 01/26/2022

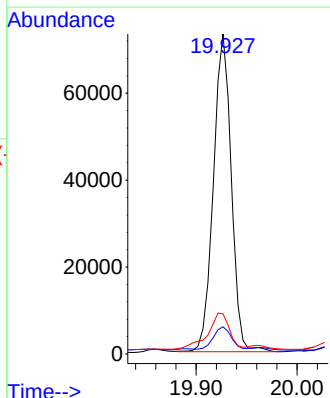
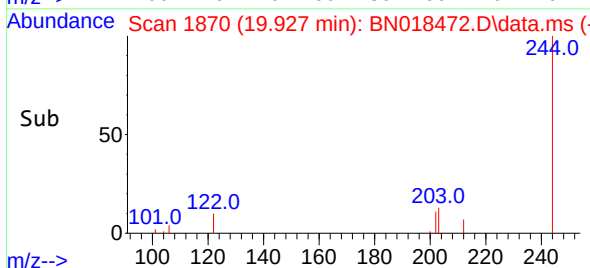


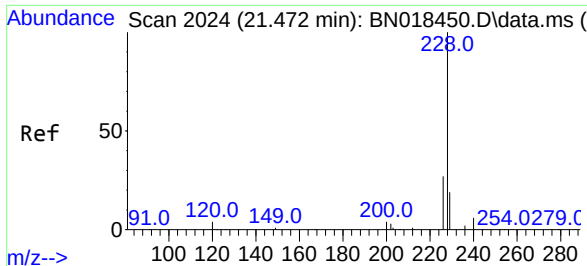
#31
 Terphenyl-d14
 Concen: 0.207 ng
 RT: 19.927 min Scan# 1870
 Delta R.T. -0.010 min
 Lab File: BN018472.D
 Acq: 25 Jan 2022 22:46



Tgt Ion:244 Resp: 90102

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.2	9.2
122	12.6	7.9	11.9





#32
Benzo(a)anthracene
Concen: 11.487 ng
RT: 21.461 min Scan# 2023
Delta R.T. -0.011 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

Instrument :

BNA_N

ClientSampleId :

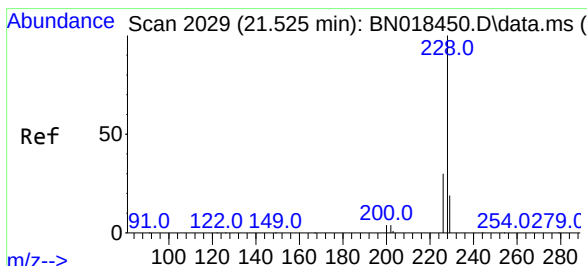
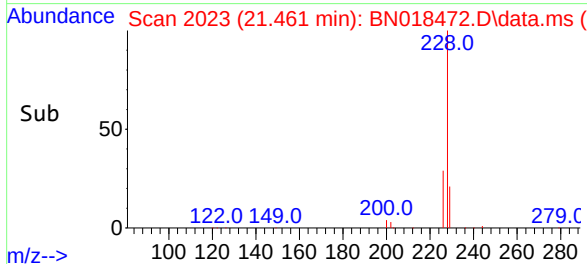
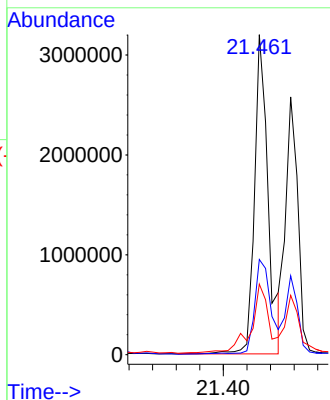
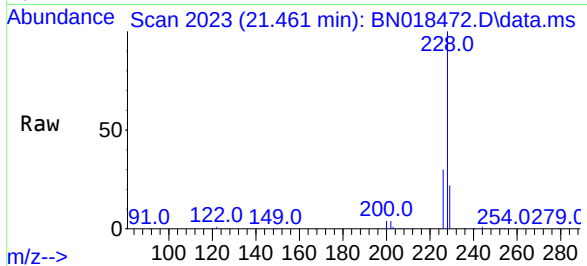
SB-5(3.5-4)

Tgt Ion:228 Resp: 5103011
Ion Ratio Lower Upper
228 100
226 29.7 21.3 31.9
229 22.1 15.9 23.9

Manual Integrations

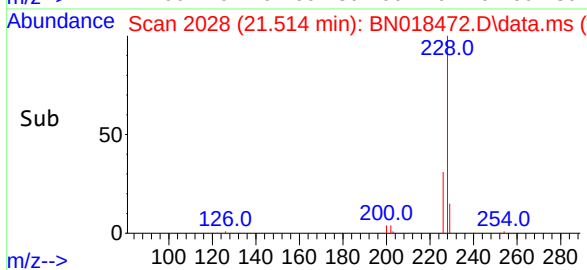
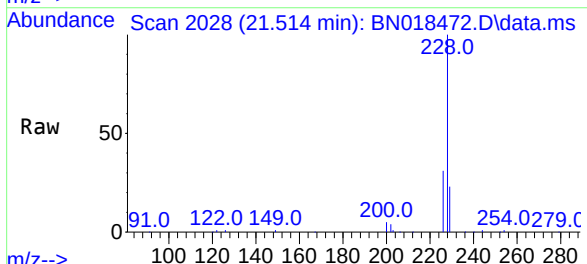
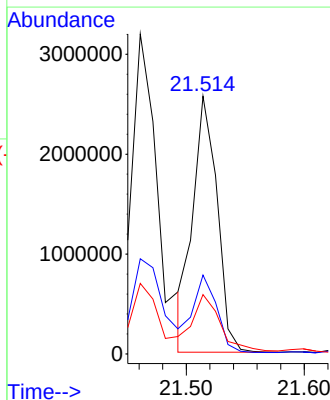
APPROVED

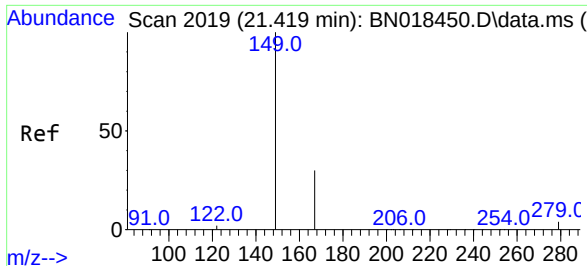
Reviewed By :Christian Giraldo 01/26/2022
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#33
Chrysene
Concen: 8.300 ng
RT: 21.514 min Scan# 2028
Delta R.T. -0.011 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

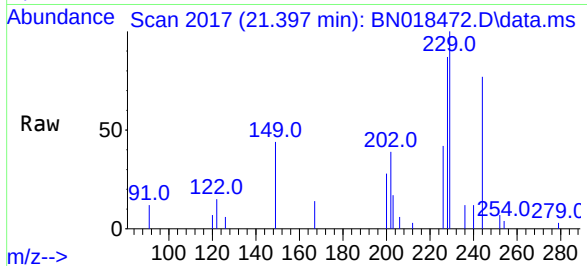
Tgt Ion:228 Resp: 3647163
Ion Ratio Lower Upper
228 100
226 30.6 24.2 36.4
229 23.0 15.5 23.3





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.048 ng
RT: 21.397 min Scan# 2017
Delta R.T. -0.021 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

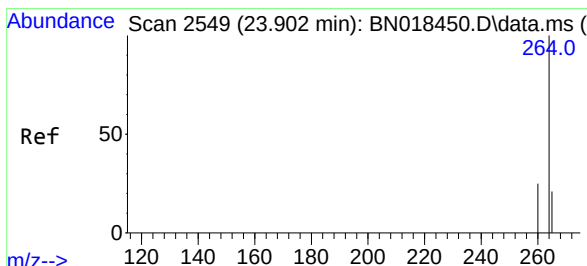
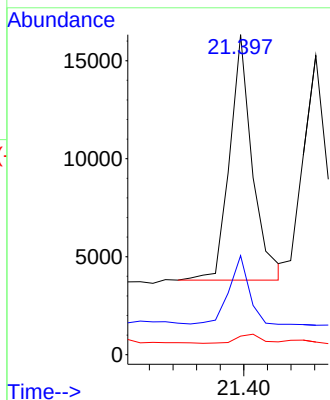
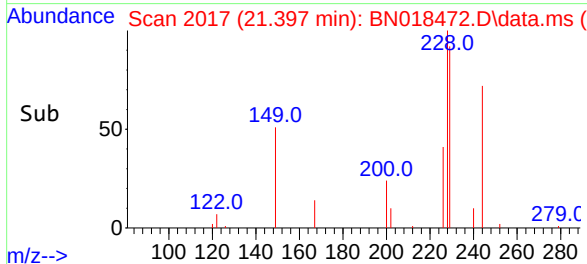
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)



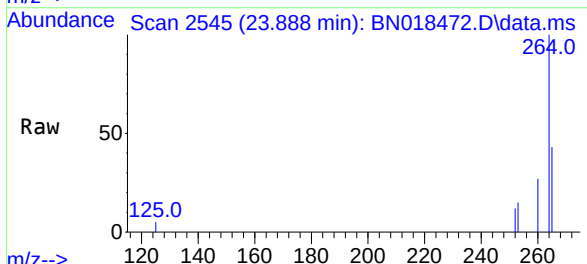
Tgt Ion:149 Resp: 16710
Ion Ratio Lower Upper
149 100
167 26.1 23.7 35.5
279 4.0 3.6 5.4

Manual Integrations
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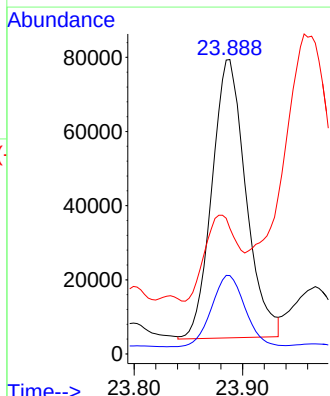
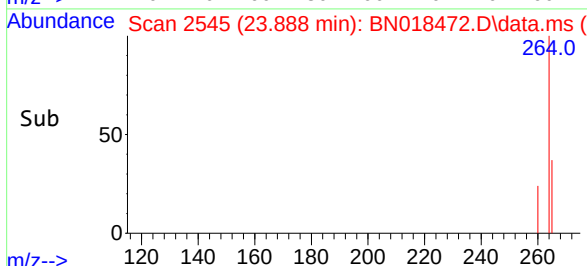
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

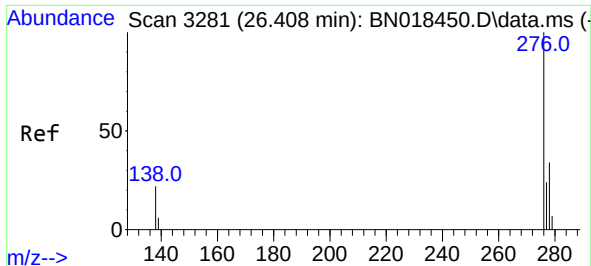


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.888 min Scan# 2545
Delta R.T. -0.014 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46



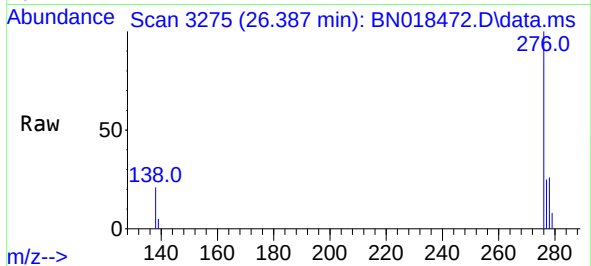
Tgt Ion:264 Resp: 163383
Ion Ratio Lower Upper
264 100
260 26.6 20.2 30.4
265 42.7 18.2 27.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 6.866 ng
RT: 26.387 min Scan# 31
Delta R.T. -0.021 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

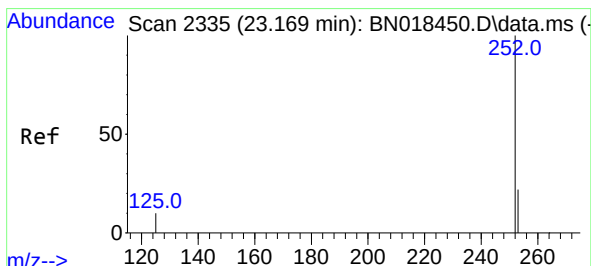
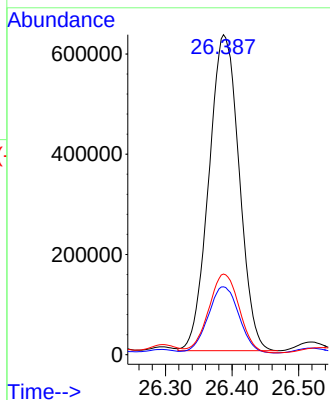
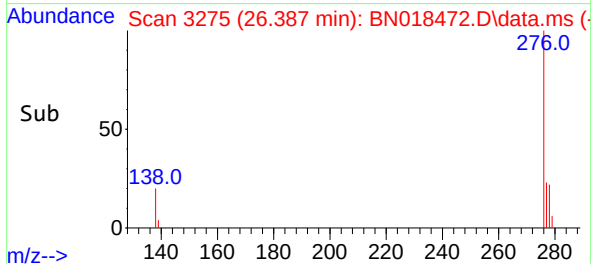
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)



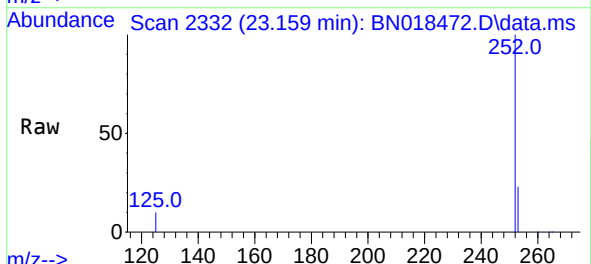
Tgt Ion:276 Resp: 199433
Ion Ratio Lower Upper
276 100
138 21.4 14.9 22.3
277 25.3 19.9 29.9

Manual Integrations
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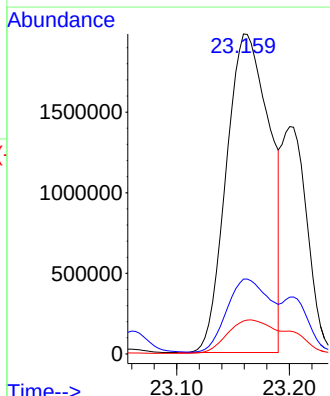
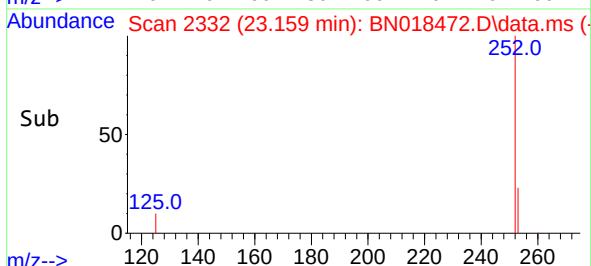
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

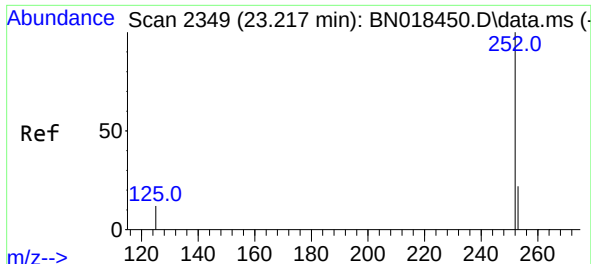


#37
Benzo(b)fluoranthene
Concen: 8.972 ng
RT: 23.159 min Scan# 2332
Delta R.T. -0.010 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46



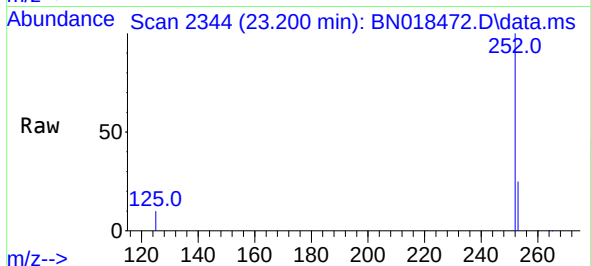
Tgt Ion:252 Resp: 5280832
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 10.3 6.0 9.0#





#38
Benzo(k)fluoranthene
Concen: 4.221 ng m
RT: 23.200 min Scan# 21
Delta R.T. -0.017 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

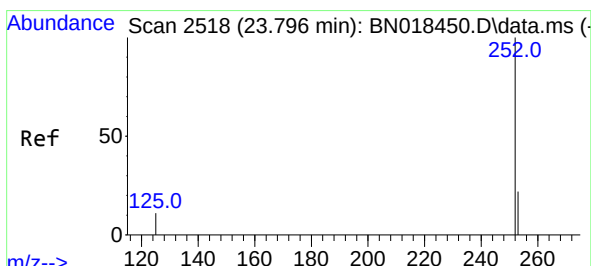
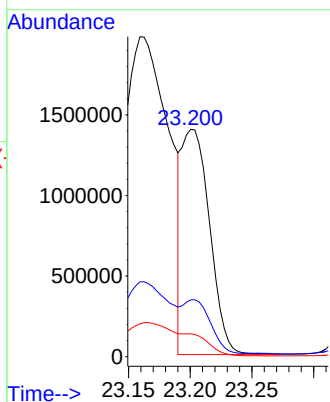
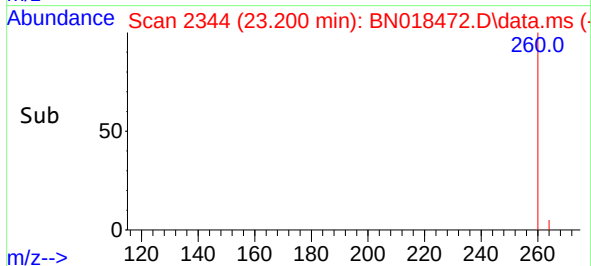
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)



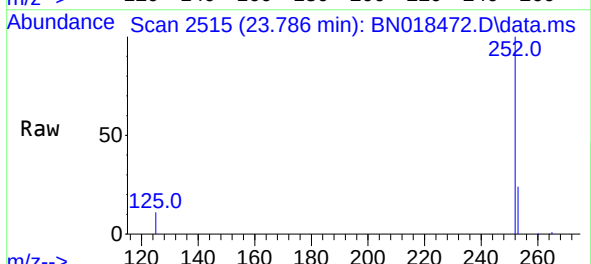
Tgt Ion:252 Resp: 218535
Ion Ratio Lower Upper
252 100
253 25.0 17.7 26.5
125 10.0 6.2 9.2

Manual Integrations
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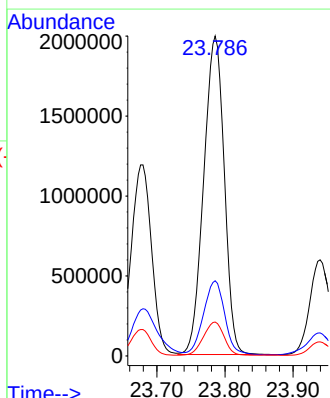
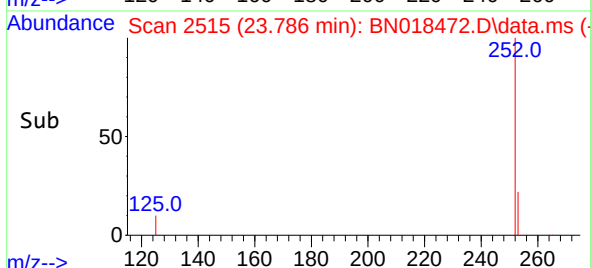
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

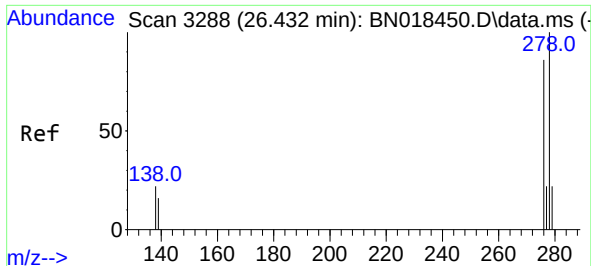


#39
Benzo(a)pyrene
Concen: 9.690 ng
RT: 23.786 min Scan# 2515
Delta R.T. -0.010 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46



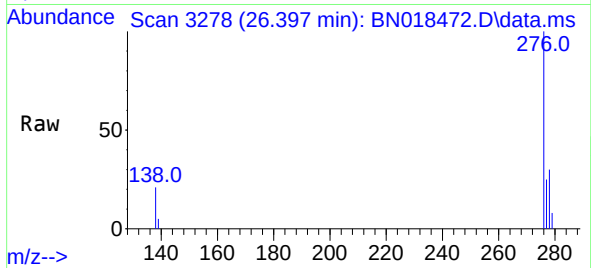
Tgt Ion:252 Resp: 4173881
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 10.6 7.0 10.4





#40
Dibenzo(a,h)anthracene
Concen: 2.565 ng
RT: 26.397 min Scan# 31
Delta R.T. -0.035 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

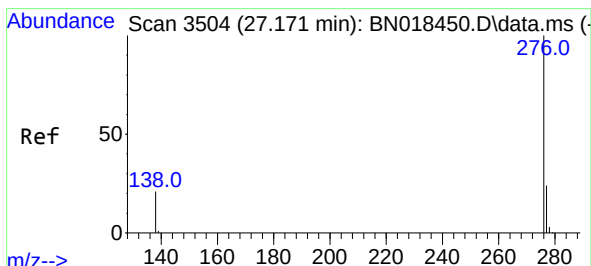
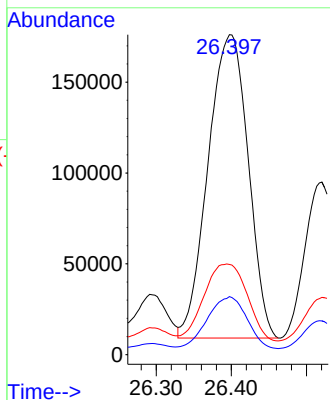
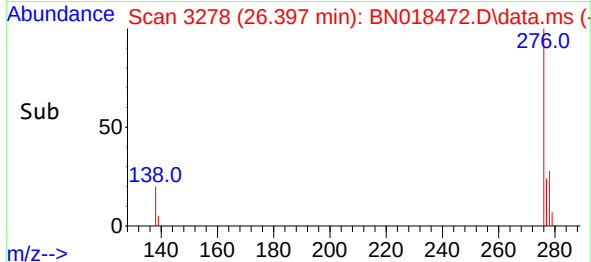
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)



Tgt Ion:278 Resp: 619540
Ion Ratio Lower Upper
278 100
139 18.2 10.8 16.2
279 28.2 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#41
Benzo(g,h,i)perylene
Concen: 5.176 ng
RT: 27.154 min Scan# 3499
Delta R.T. -0.017 min
Lab File: BN018472.D
Acq: 25 Jan 2022 22:46

Tgt Ion:276 Resp: 1529397
Ion Ratio Lower Upper
276 100
277 24.2 19.0 28.6
138 21.3 12.6 19.0#

