

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031122\
 Data File : BN018912.D
 Acq On : 10 Mar 2022 20:49
 Operator : CG/JU
 Sample : N1862-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 V-2-0309-1A

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/11/2022
 Supervised By : Jagrut Upadhyay 03/11/2022

Quant Time: Mar 11 03:05:24 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN030322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 11 03:02:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	4302	0.400	ng	0.00
7) Naphthalene-d8	10.712	136	12731	0.400	ng	# 0.00
13) Acenaphthene-d10	14.538	164	8191	0.400	ng	0.00
19) Phenanthrene-d10	17.277	188	18852	0.400	ng	# 0.00
29) Chrysene-d12	21.449	240	18866	0.400	ng	# 0.00
35) Perylene-d12	23.840	264	17206	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.464	112	3056	0.325	ng	0.00
5) Phenol-d6	7.060	99	4395	0.389	ng	0.00
8) Nitrobenzene-d5	9.057	82	2606	0.281	ng	0.00
11) 2-Methylnaphthalene-d10	12.299	152	5676	0.274	ng	0.00
14) 2,4,6-Tribromophenol	16.026	330	892	0.236	ng	0.00
15) 2-Fluorobiphenyl	13.170	172	9143	0.260	ng	0.00
27) Fluoranthene-d10	19.303	212	16420	0.296	ng	0.00
31) Terphenyl-d14	19.893	244	10145	0.252	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.765	128	2768	0.076	ng	# 92
12) 2-Methylnaphthalene	12.371	142	906	0.036	ng	# 93
16) Acenaphthylene	14.260	152	936m	0.025	ng	
17) Acenaphthene	14.602	154	2118	0.080	ng	98
18) Fluorene	15.586	166	2911m	0.084	ng	
25) Phenanthrene	17.318	178	45323	0.724	ng	100
26) Anthracene	17.410	178	9096	0.173	ng	# 90
28) Fluoranthene	19.333	202	67909	0.954	ng	100
30) Pyrene	19.691	202	60168	0.714	ng	# 95
32) Benzo(a)anthracene	21.431	228	30325	0.428	ng	99
33) Chrysene	21.485	228	26473	0.340	ng	97
34) Bis(2-ethylhexyl)phtha...	21.360	149	2114	0.048	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.316	276	14256	0.184	ng	# 93
37) Benzo(b)fluoranthene	23.112	252	34090	0.426	ng	96
38) Benzo(k)fluoranthene	23.156	252	11578m	0.146	ng	
39) Benzo(a)pyrene	23.732	252	23362	0.380	ng	97
40) Dibenzo(a,h)anthracene	26.325	278	3587	0.061	ng	# 71
41) Benzo(g,h,i)perylene	27.077	276	15070	0.237	ng	99

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

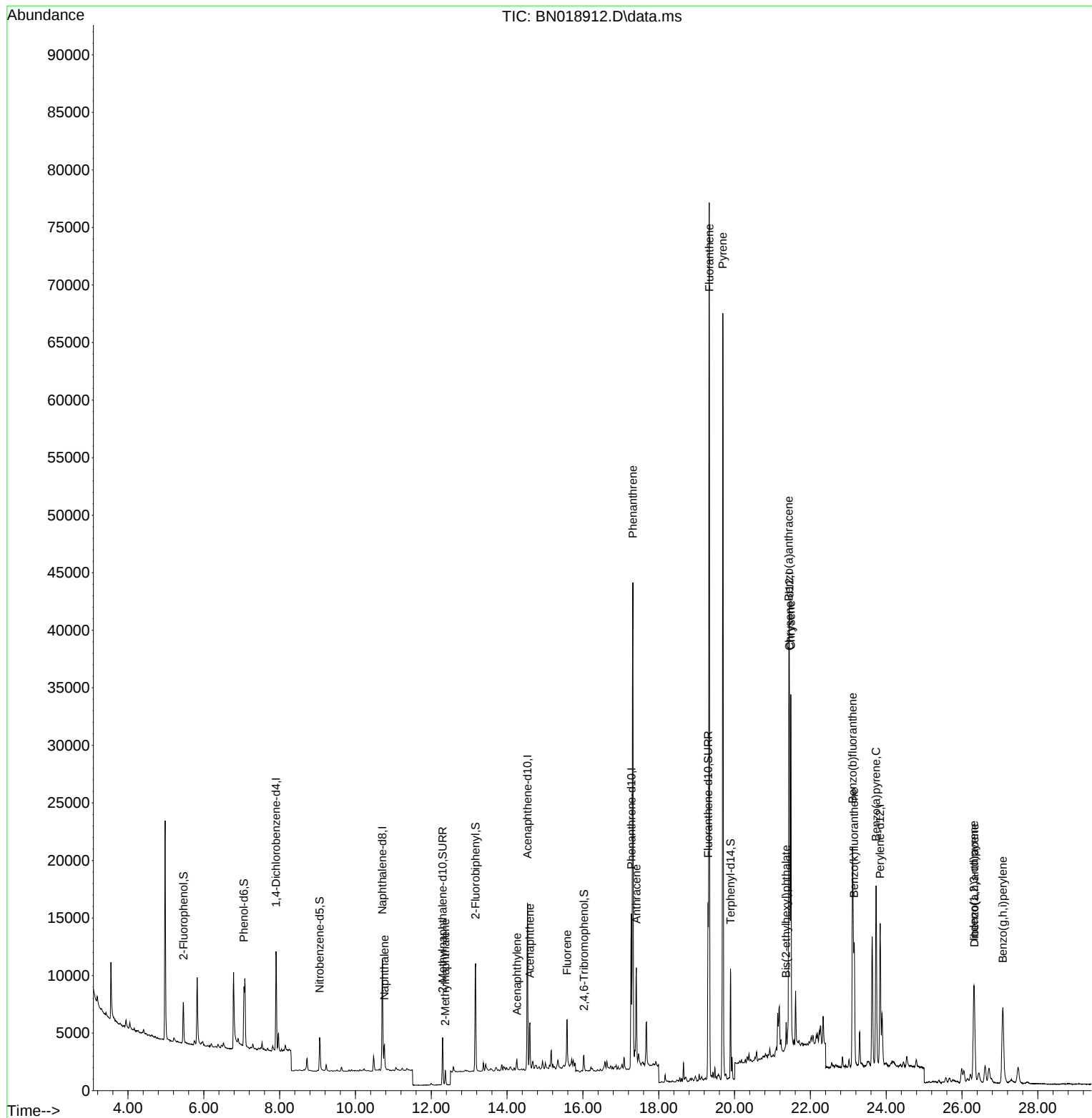
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031122\
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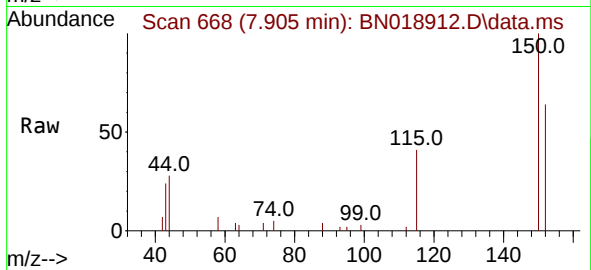
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.905 min Scan# 669
Delta R.T. -0.007 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49

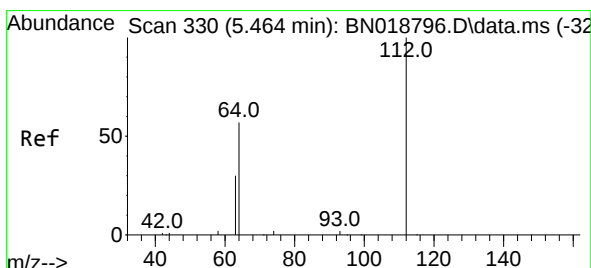
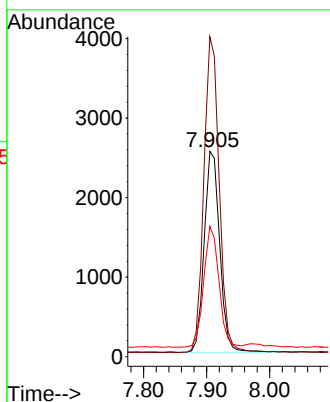
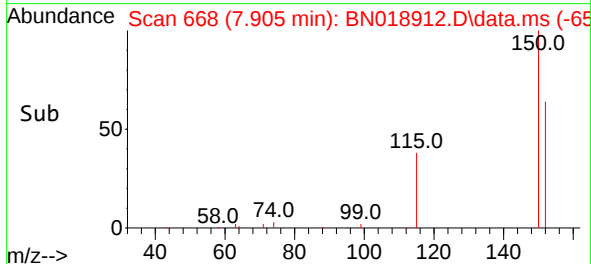
Instrument :
BNA_N
ClientSampleId :
V-2-0309-1A



Tgt Ion:152 Resp: 4302
Ion Ratio Lower Upper
152 100
150 155.9 123.9 185.9
115 63.4 48.2 72.4

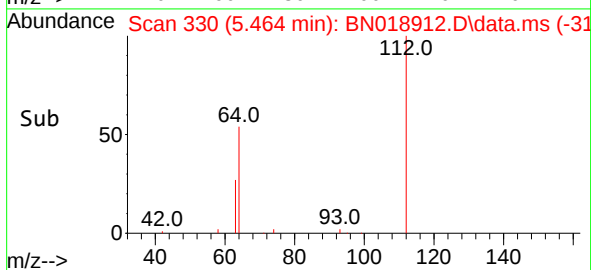
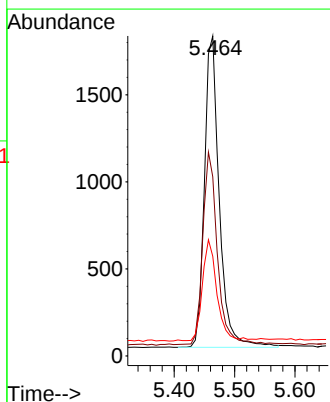
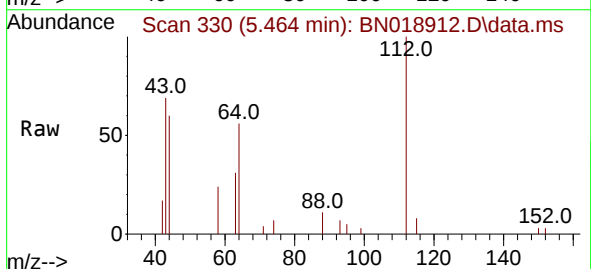
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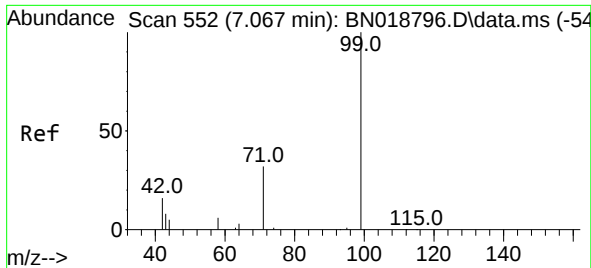
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Supervised By :Jagrut Upadhyay 03/11/2022



#4
2-Fluorophenol
Concen: 0.325 ng
RT: 5.464 min Scan# 330
Delta R.T. 0.007 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49

Tgt Ion:112 Resp: 3056
Ion Ratio Lower Upper
112 100
64 61.1 47.8 71.8
63 31.8 25.7 38.5





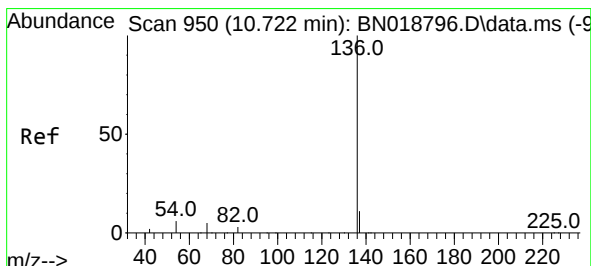
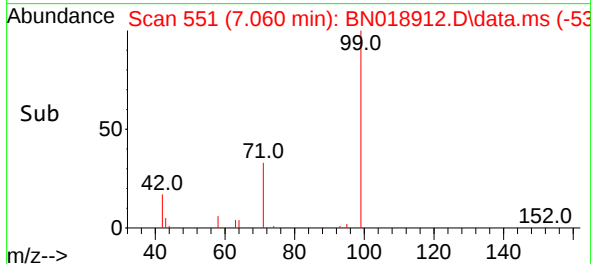
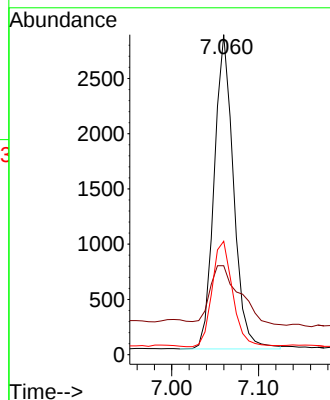
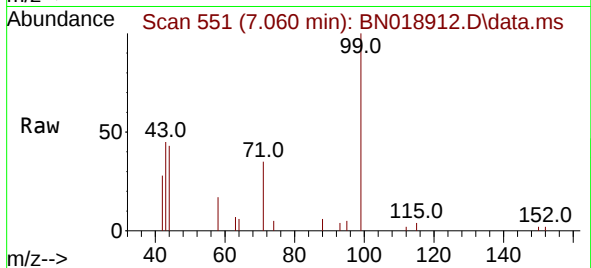
#5
Phenol-d6
Concen: 0.389 ng
RT: 7.060 min Scan# 511
Delta R.T. -0.000 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49

Instrument :
BNA_N
ClientSampleId :
V-2-0309-1A

Tgt Ion: 99 Resp: 439
Ion Ratio Lower Upper
99 100
42 28.6 16.2 24.4
71 35.8 27.7 41.5

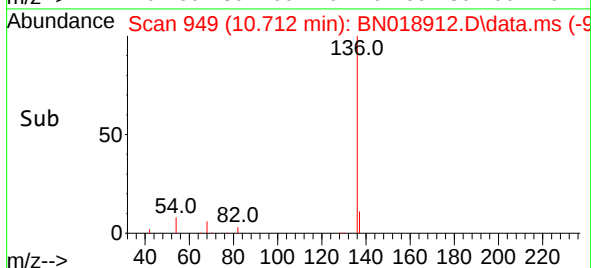
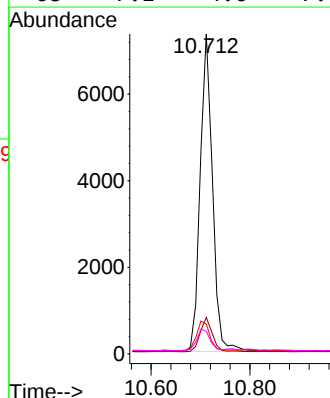
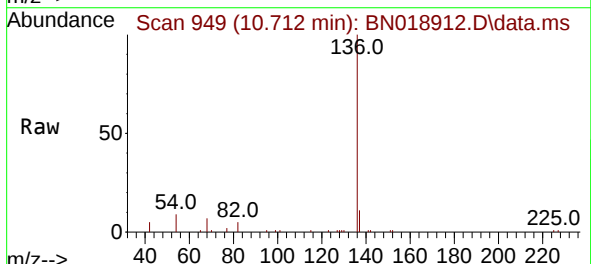
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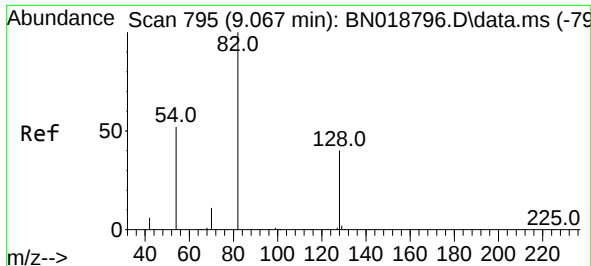
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.712 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49

Tgt Ion:136 Resp: 12731
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.4
54 9.4 5.8 8.6
68 7.1 4.6 7.0





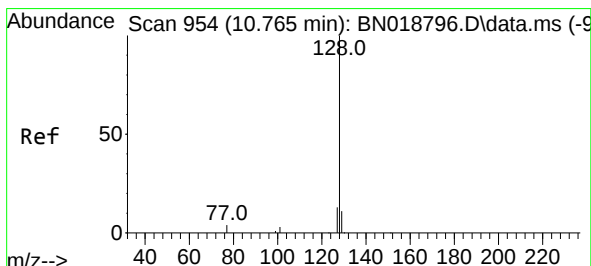
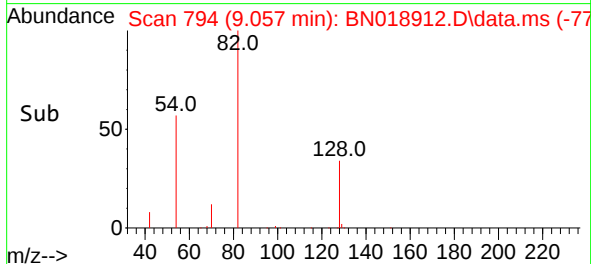
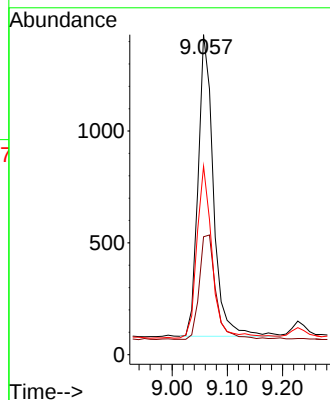
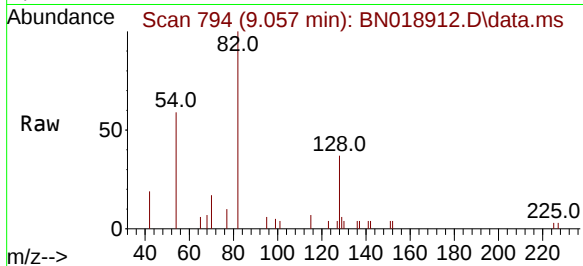
#8
Nitrobenzene-d5
Concen: 0.281 ng
RT: 9.057 min Scan# 794
Delta R.T. -0.000 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49

Instrument :
BNA_N
ClientSampleId :
V-2-0309-1A

Tgt Ion: 82 Resp: 2600
Ion Ratio Lower Upper
82 100
128 36.8 33.0 49.6
54 58.9 42.5 63.7

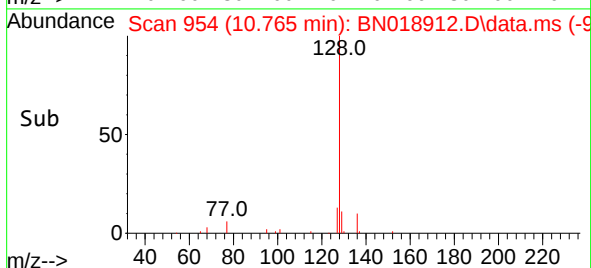
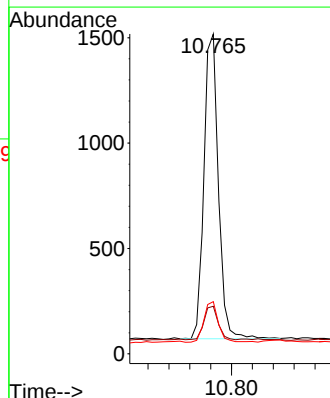
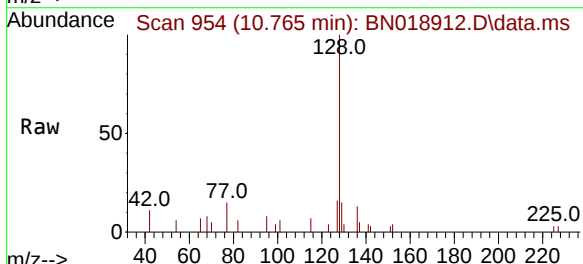
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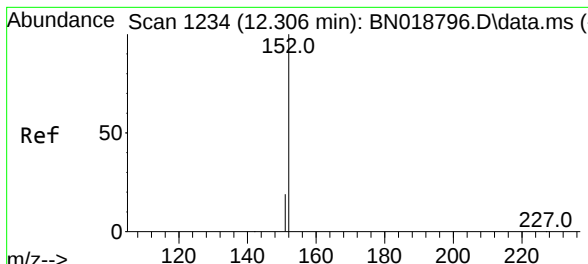
Reviewed By :Christian Giraldo 03/11/2022
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#9
Naphthalene
Concen: 0.076 ng
RT: 10.765 min Scan# 954
Delta R.T. -0.000 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49

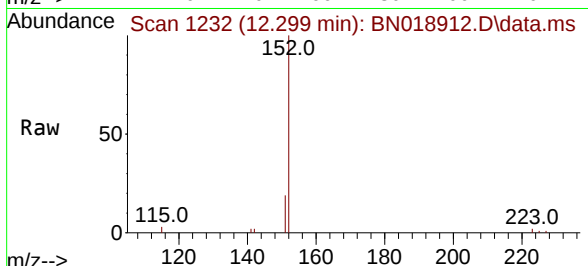
Tgt Ion:128 Resp: 2768
Ion Ratio Lower Upper
128 100
129 14.9 9.0 13.4#
127 16.3 10.7 16.1#





#11
2-Methylnaphthalene-d10
Concen: 0.274 ng
RT: 12.299 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49

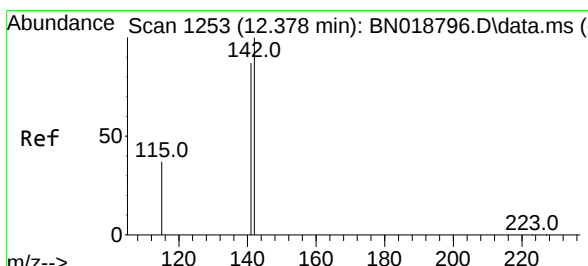
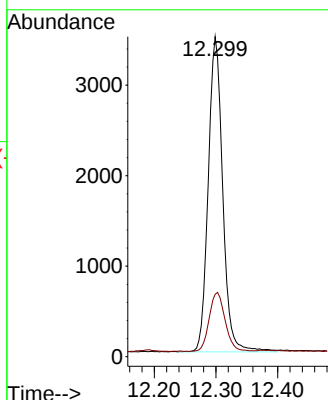
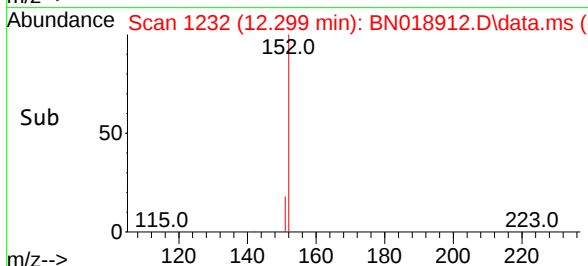
Instrument :
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ClientSampleId :
V-2-0309-1A



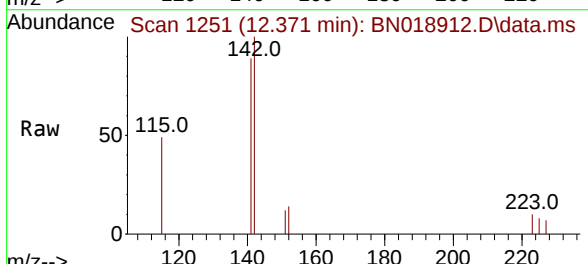
Tgt Ion:152 Resp: 5670
Ion Ratio Lower Upper
152 100
151 20.5 16.5 24.7

Manual Integrations
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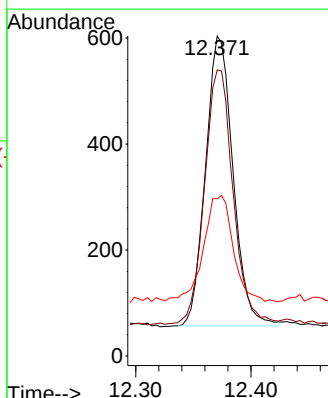
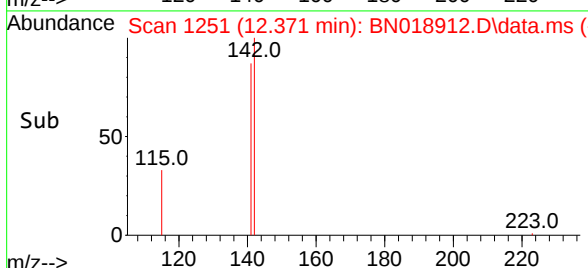
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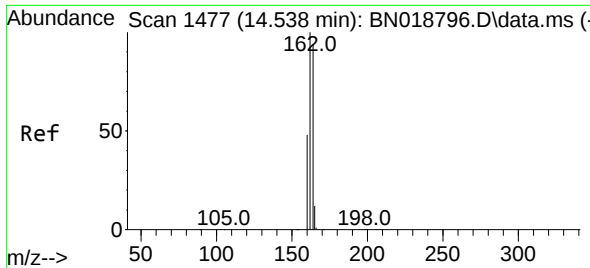


#12
2-Methylnaphthalene
Concen: 0.036 ng
RT: 12.371 min Scan# 1251
Delta R.T. -0.000 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49



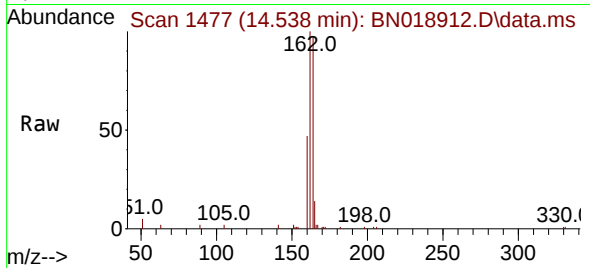
Tgt Ion:142 Resp: 906
Ion Ratio Lower Upper
142 100
141 89.4 70.0 105.0
115 49.2 29.8 44.8#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.538 min Scan# 1477
Delta R.T. -0.000 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49

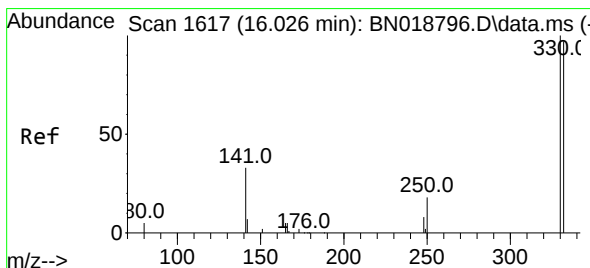
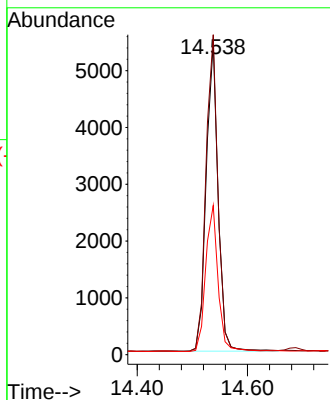
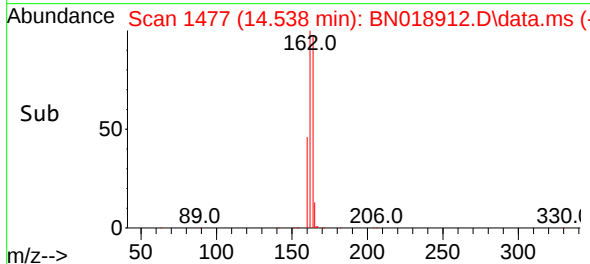
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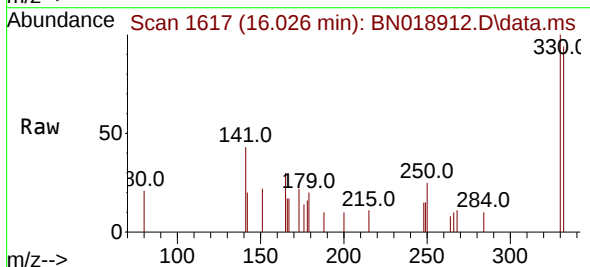
Tgt Ion:164 Resp: 819
Ion Ratio Lower Upper
164 100
162 102.6 85.2 127.8
160 47.8 41.5 62.3

Manual Integrations
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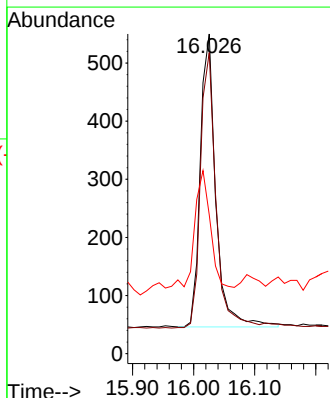
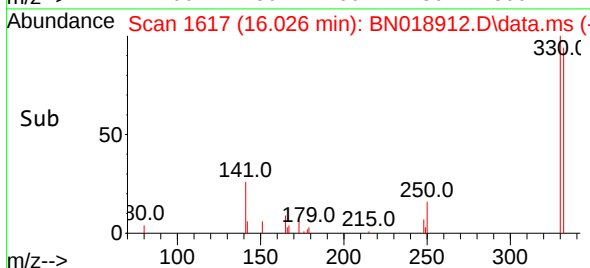
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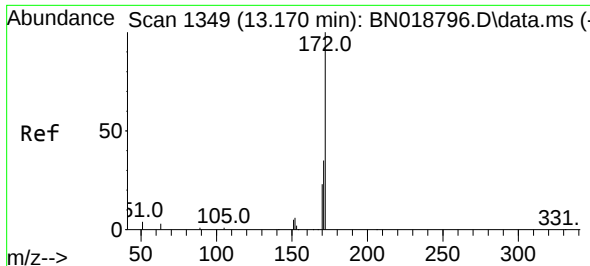


#14
2,4,6-Tribromophenol
Concen: 0.236 ng
RT: 16.026 min Scan# 1617
Delta R.T. -0.000 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49



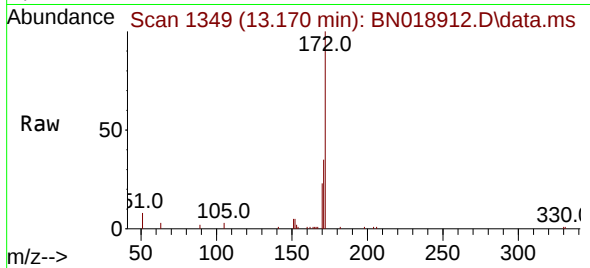
Tgt Ion:330 Resp: 892
Ion Ratio Lower Upper
330 100
332 94.3 76.8 115.2
141 39.8 32.2 48.2





#15
2-Fluorobiphenyl
Concen: 0.260 ng
RT: 13.170 min Scan# 1349
Delta R.T. -0.000 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49

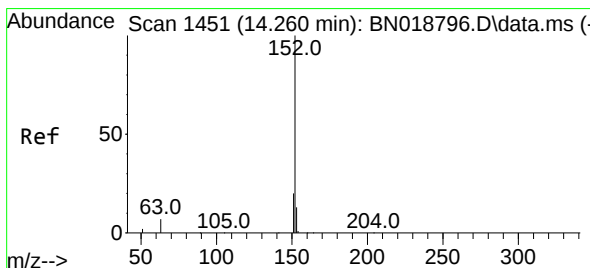
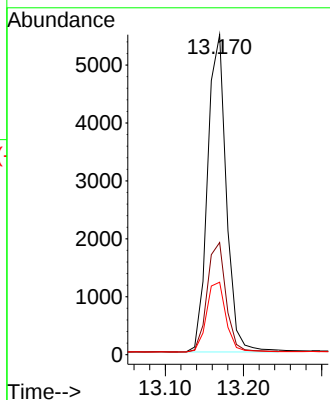
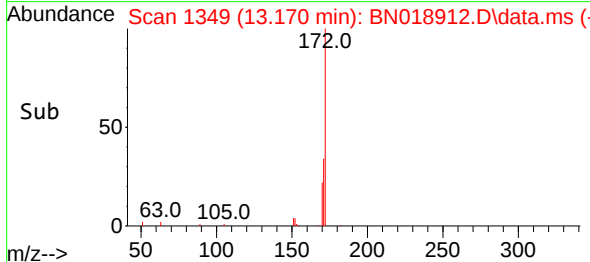
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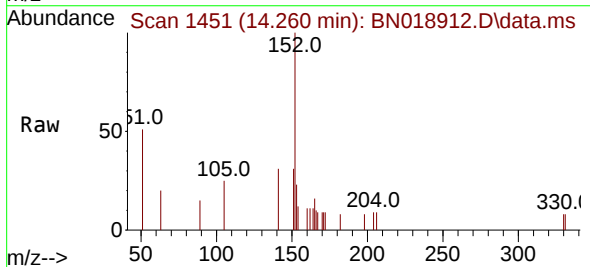
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Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.2
170 22.6 18.7 28.1

Manual Integrations
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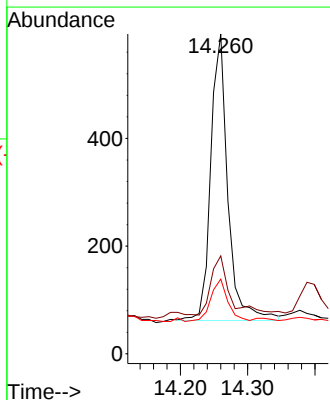
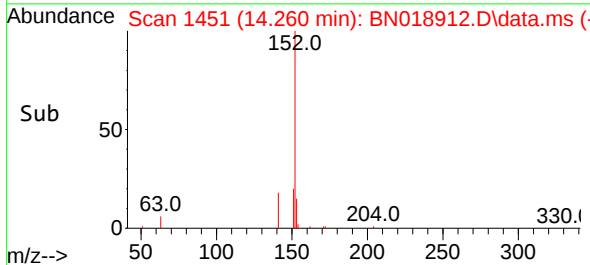
Reviewed By :Christian Giraldo 03/11/2022
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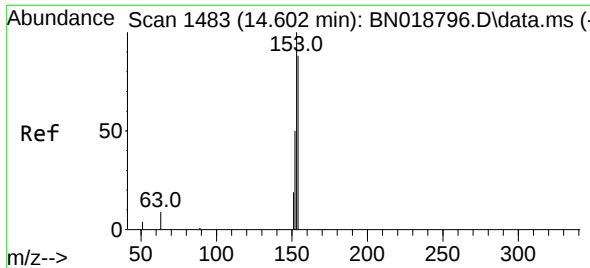


#16
Acenaphthylene
Concen: 0.025 ng m
RT: 14.260 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49



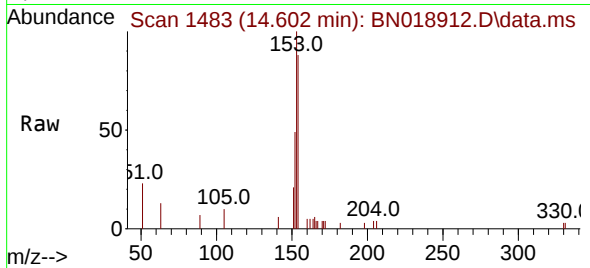
Tgt Ion:152 Resp: 936
Ion Ratio Lower Upper
152 100
151 23.8 15.9 23.9
153 15.0 10.6 15.8





#17
Acenaphthene
Concen: 0.080 ng
RT: 14.602 min Scan# 1483
Delta R.T. -0.000 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49

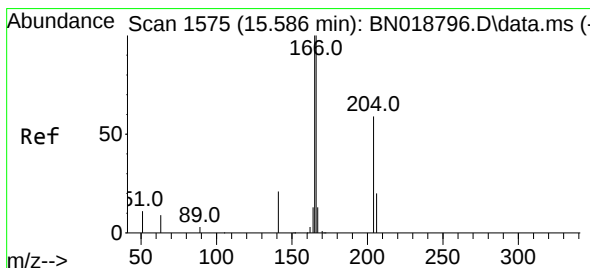
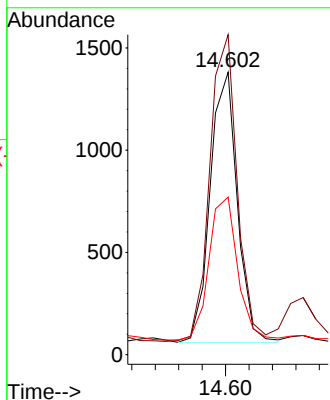
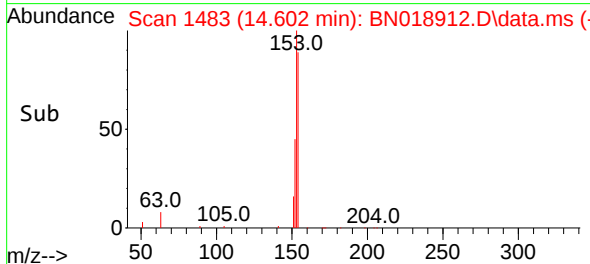
Instrument :
BNA_N
ClientSampleId :
V-2-0309-1A



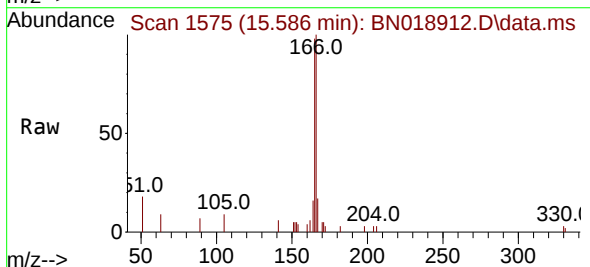
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Ion Ratio Lower Upper
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153 114.4 89.7 134.5
152 56.2 44.7 67.1

Manual Integrations
APPROVED

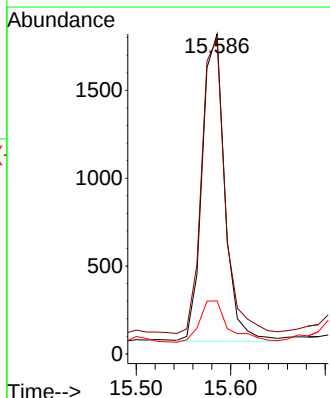
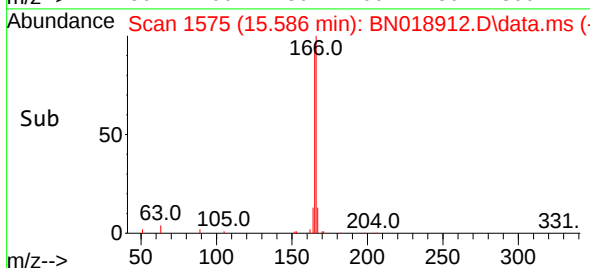
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022

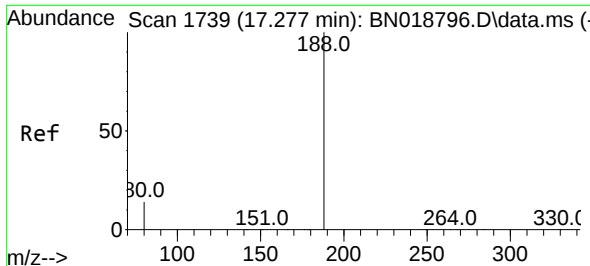


#18
Fluorene
Concen: 0.084 ng m
RT: 15.586 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49



Tgt Ion:166 Resp: 2911
Ion Ratio Lower Upper
166 100
165 98.4 79.2 118.8
167 17.5 10.7 16.1#





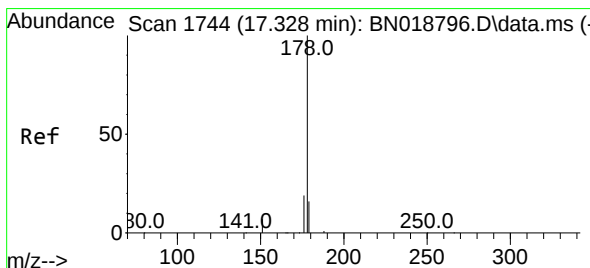
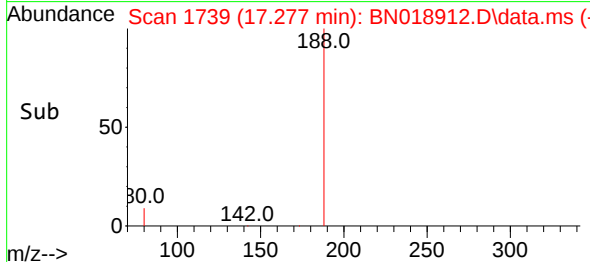
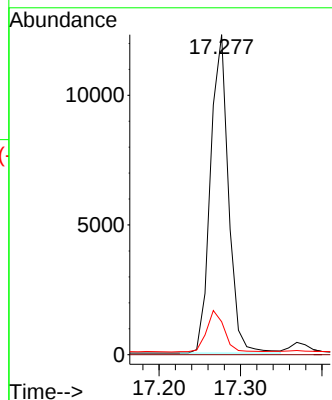
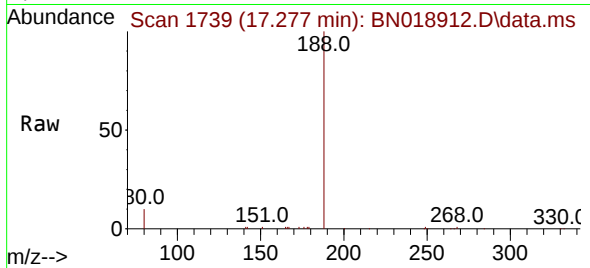
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.277 min Scan# 1739
Delta R.T. -0.000 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49

Instrument :
BNA_N
ClientSampleId :
V-2-0309-1A

Tgt Ion:188 Resp: 1885
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.3 11.8 17.8

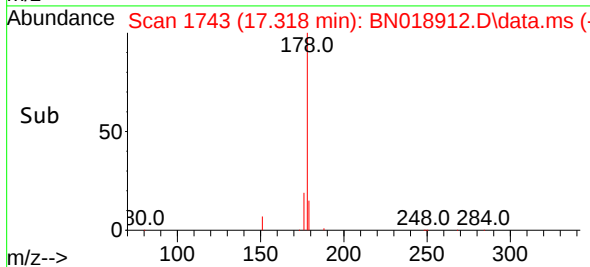
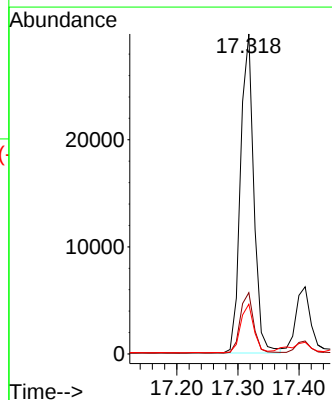
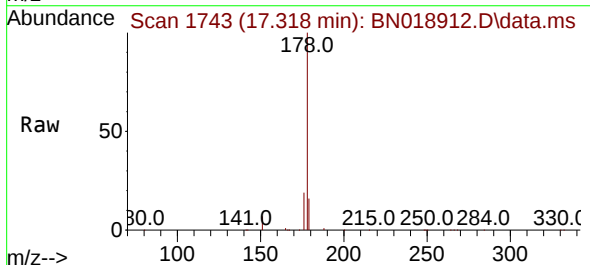
Manual Integrations
APPROVED

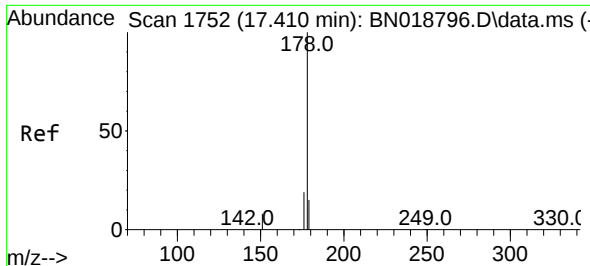
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#25
Phenanthrene
Concen: 0.724 ng
RT: 17.318 min Scan# 1743
Delta R.T. -0.000 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49

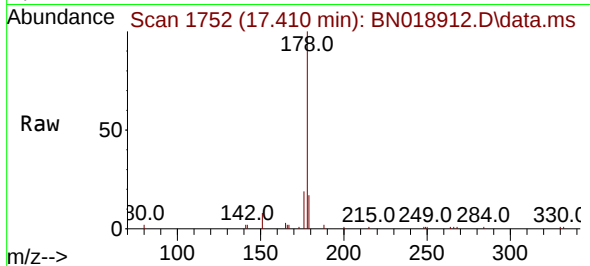
Tgt Ion:178 Resp: 45323
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.3 12.2 18.2





#26
 Anthracene
 Concen: 0.173 ng
 RT: 17.410 min Scan# 1118
 Delta R.T. -0.000 min
 Lab File: BN018912.D
 Acq: 10 Mar 2022 20:49

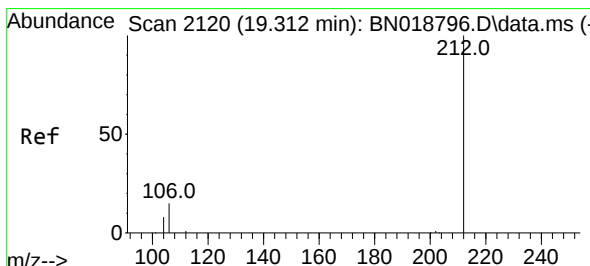
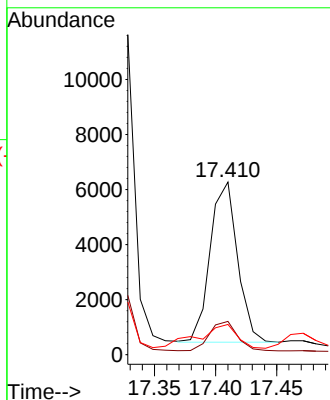
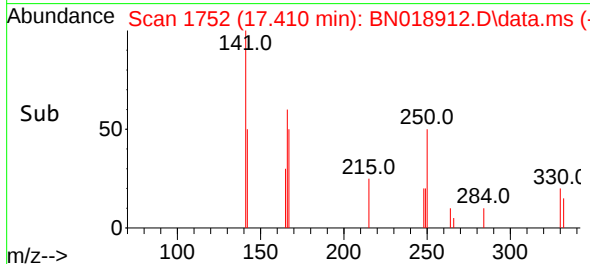
Instrument :
 BNA_N
 ClientSampleId :
 V-2-0309-1A



Tgt Ion:178 Resp: 9090
 Ion Ratio Lower Upper
 178 100
 176 21.7 14.8 22.2
 179 21.2 12.2 18.4

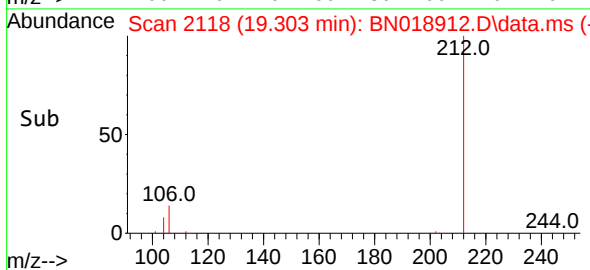
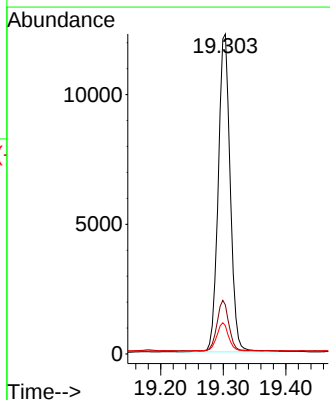
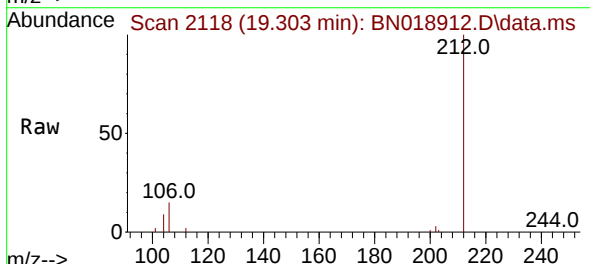
Manual Integrations
 APPROVED

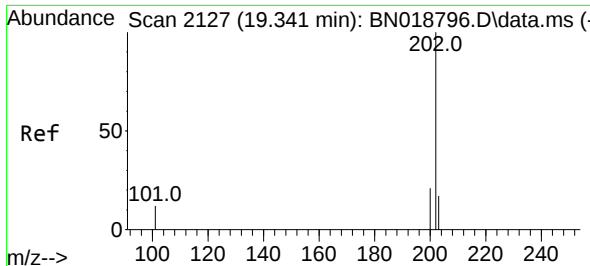
Reviewed By :Christian Giraldo 03/11/2022
 Supervised By :Jagrut Upadhyay 03/11/2022



#27
 Fluoranthene-d10
 Concen: 0.296 ng
 RT: 19.303 min Scan# 2118
 Delta R.T. -0.000 min
 Lab File: BN018912.D
 Acq: 10 Mar 2022 20:49

Tgt Ion:212 Resp: 16420
 Ion Ratio Lower Upper
 212 100
 106 15.6 12.7 19.1
 104 9.0 7.1 10.7





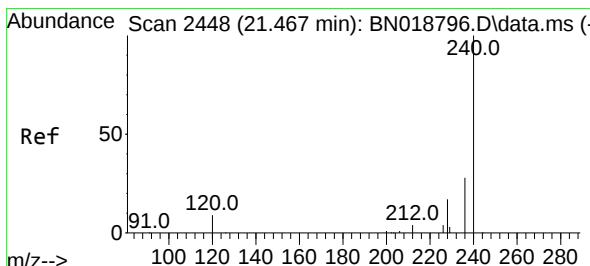
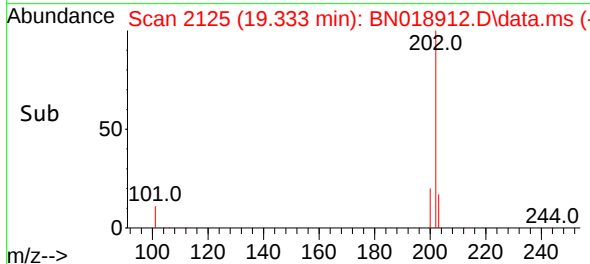
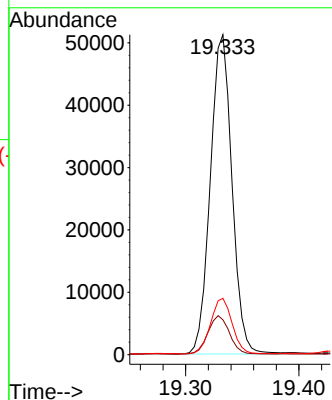
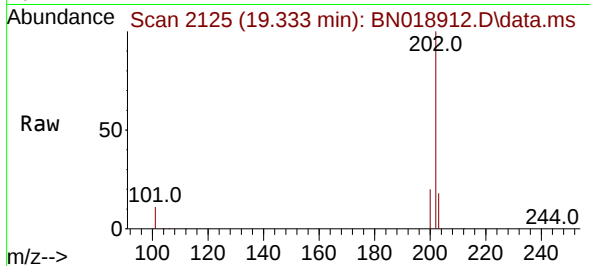
#28
Fluoranthene
Concen: 0.954 ng
RT: 19.333 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49

Instrument :
BNA_N
ClientSampleId :
V-2-0309-1A

Tgt Ion:202 Resp: 67909
Ion Ratio Lower Upper
202 100
101 11.9 9.8 14.6
203 17.2 13.7 20.5

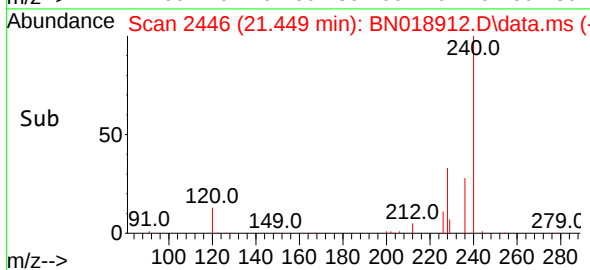
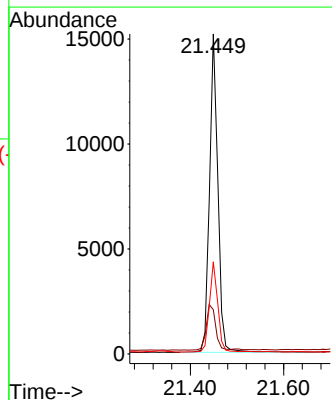
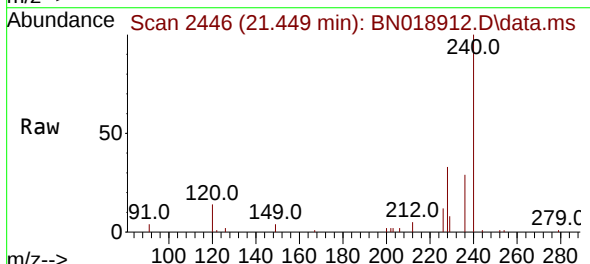
Manual Integrations
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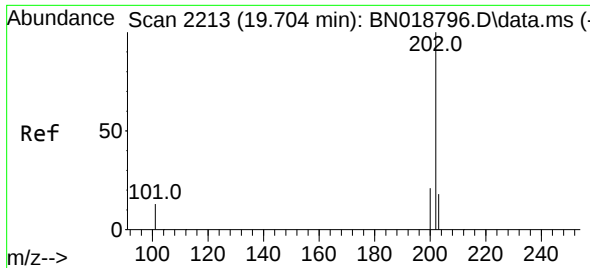
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.449 min Scan# 2446
Delta R.T. -0.000 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49

Tgt Ion:240 Resp: 18866
Ion Ratio Lower Upper
240 100
120 13.8 8.5 12.7#
236 28.8 22.4 33.6





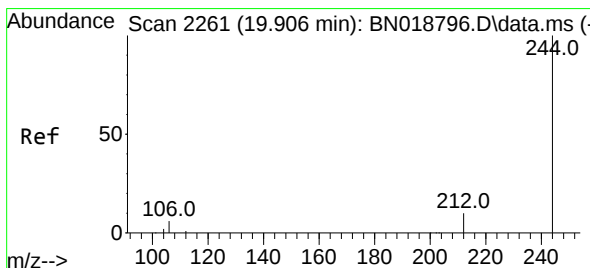
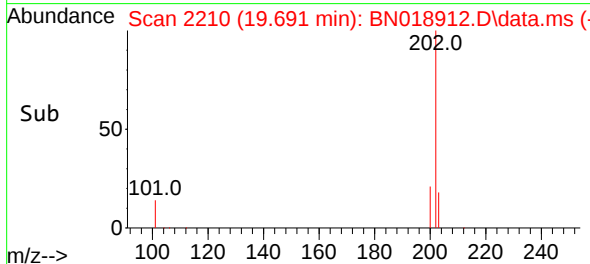
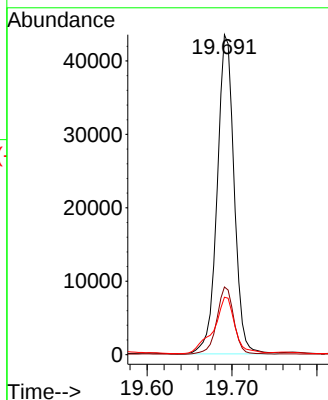
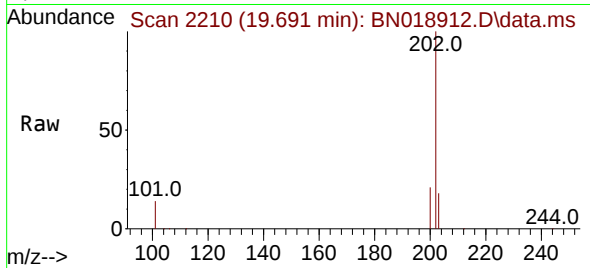
#30
Pyrene
Concen: 0.714 ng
RT: 19.691 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49

Instrument :
BNA_N
ClientSampleId :
V-2-0309-1A

Tgt Ion:202 Resp: 60168
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 22.2 14.2 21.2

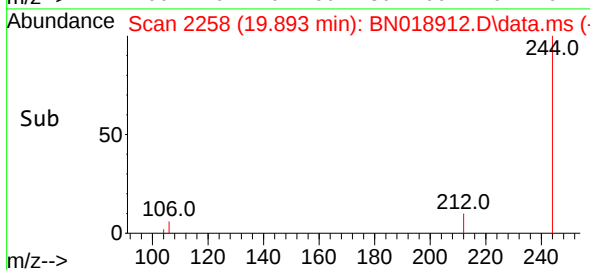
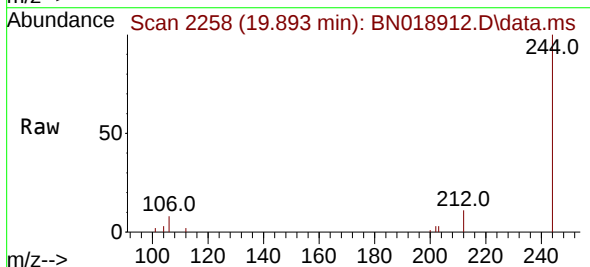
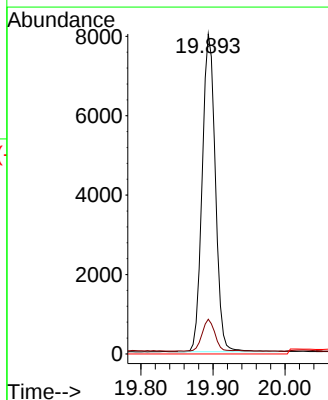
Manual Integrations
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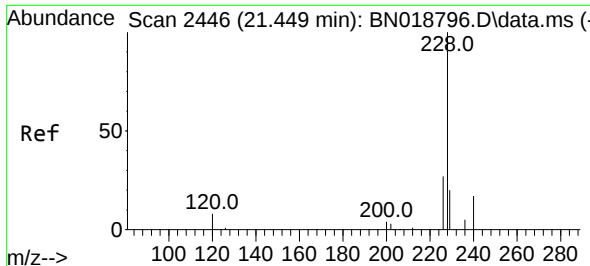
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#31
Terphenyl-d14
Concen: 0.252 ng
RT: 19.893 min Scan# 2258
Delta R.T. -0.004 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49

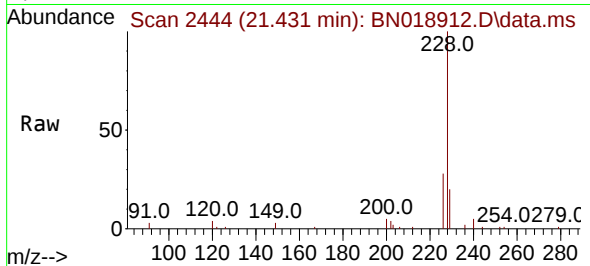
Tgt Ion:244 Resp: 10145
Ion Ratio Lower Upper
244 100
212 10.9 8.2 12.4
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 0.428 ng
RT: 21.431 min Scan# 2444
Delta R.T. -0.009 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49

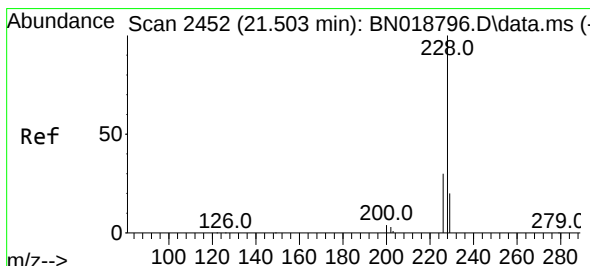
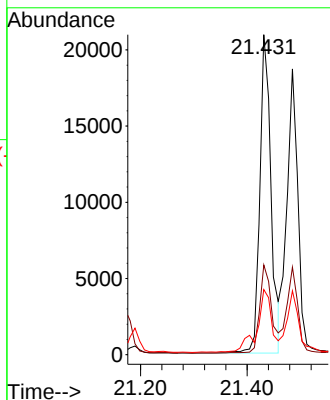
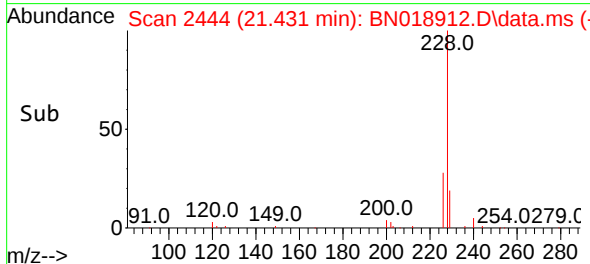
Instrument :
BNA_N
ClientSampleId :
V-2-0309-1A



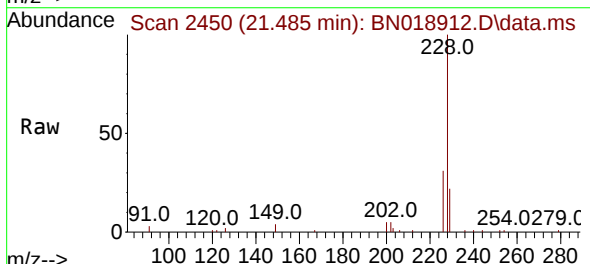
Tgt Ion:228 Resp: 3032
Ion Ratio Lower Upper
228 100
226 28.1 21.9 32.9
229 20.4 16.0 24.0

Manual Integrations
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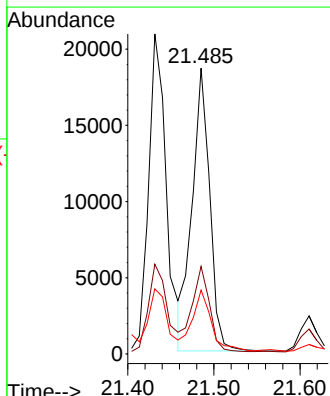
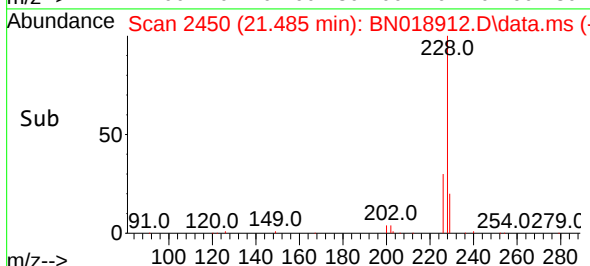
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022

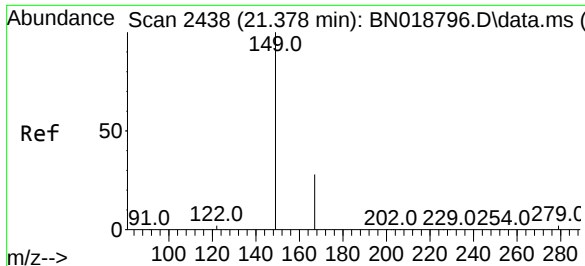


#33
Chrysene
Concen: 0.340 ng
RT: 21.485 min Scan# 2450
Delta R.T. -0.000 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49



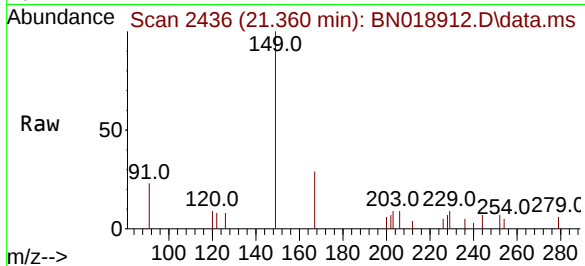
Tgt Ion:228 Resp: 26473
Ion Ratio Lower Upper
228 100
226 30.6 24.0 36.0
229 22.3 15.9 23.9





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.048 ng
 RT: 21.360 min Scan# 2438
 Delta R.T. -0.009 min
 Lab File: BN018912.D
 Acq: 10 Mar 2022 20:49

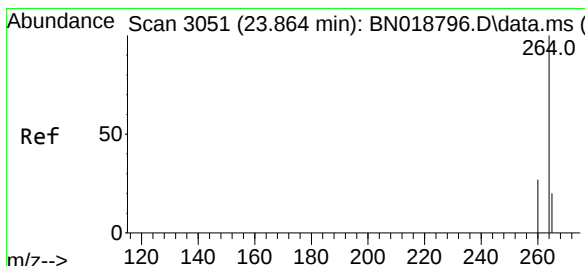
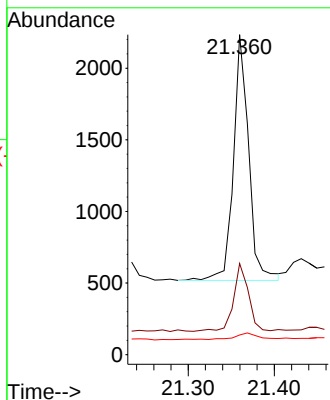
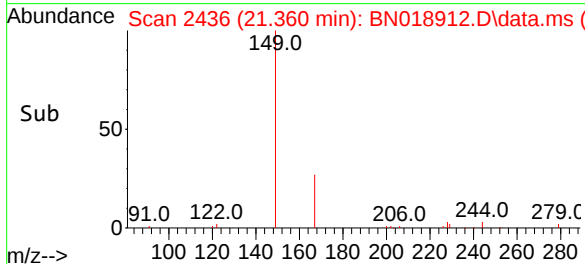
Instrument :
 BNA_N
 ClientSampleId :
 V-2-0309-1A



Tgt Ion:149 Resp: 2114
 Ion Ratio Lower Upper
 149 100
 167 27.0 21.8 32.8
 279 3.6 2.0 3.0

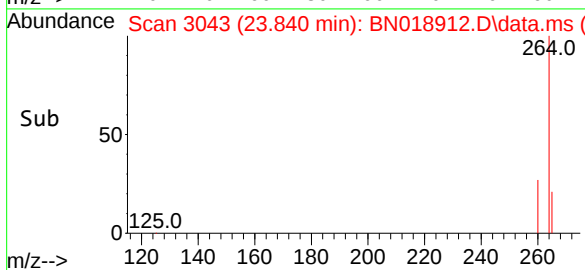
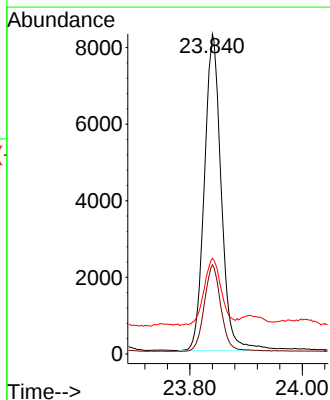
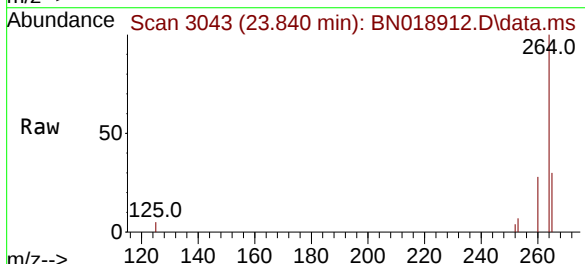
Manual Integrations
 APPROVED

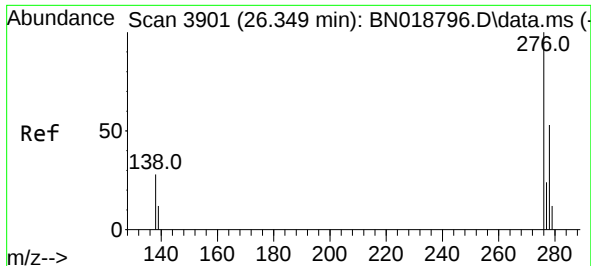
Reviewed By :Christian Giraldo 03/11/2022
 Supervised By :Jagrut Upadhyay 03/11/2022



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.840 min Scan# 3043
 Delta R.T. -0.003 min
 Lab File: BN018912.D
 Acq: 10 Mar 2022 20:49

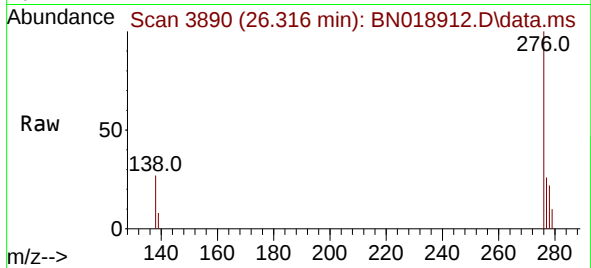
Tgt Ion:264 Resp: 17206
 Ion Ratio Lower Upper
 264 100
 260 27.8 22.4 33.6
 265 29.9 25.3 37.9





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.184 ng
RT: 26.316 min Scan# 31
Delta R.T. -0.003 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49

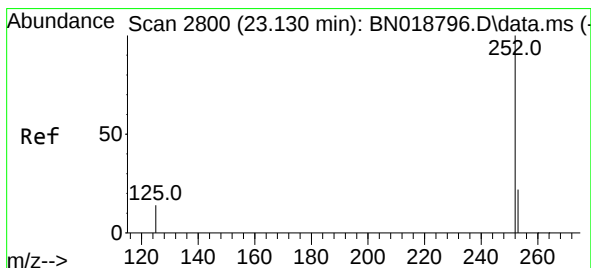
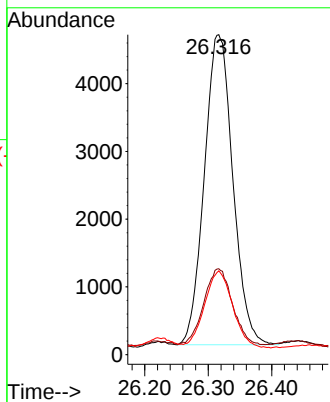
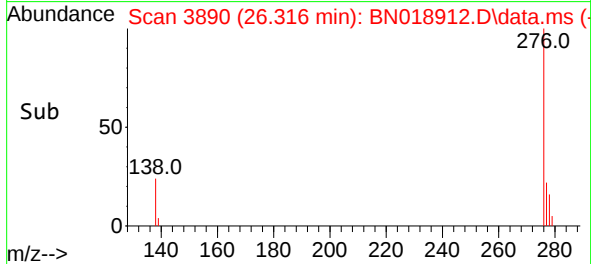
Instrument :
BNA_N
ClientSampleId :
V-2-0309-1A



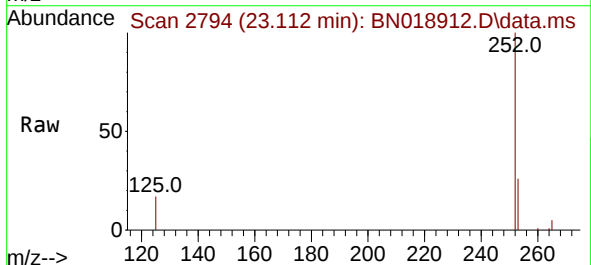
Tgt Ion:276 Resp: 14250
Ion Ratio Lower Upper
276 100
138 24.3 24.5 36.7
277 24.6 19.8 29.8

Manual Integrations
APPROVED

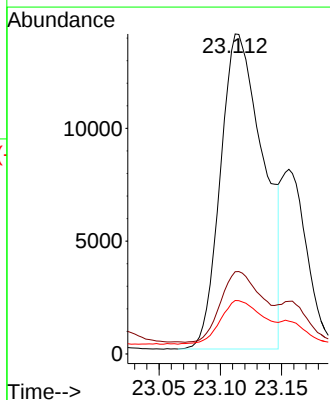
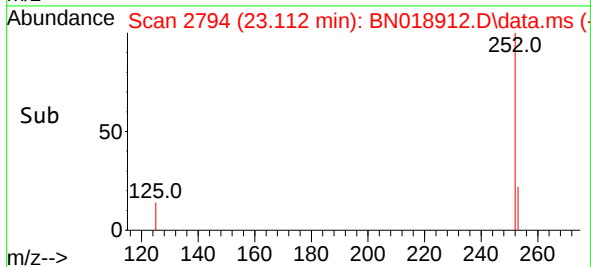
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022

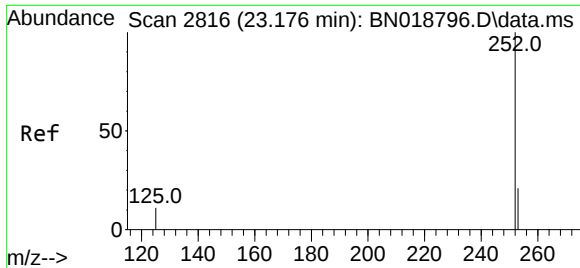


#37
Benzo(b)fluoranthene
Concen: 0.426 ng
RT: 23.112 min Scan# 2794
Delta R.T. -0.003 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49



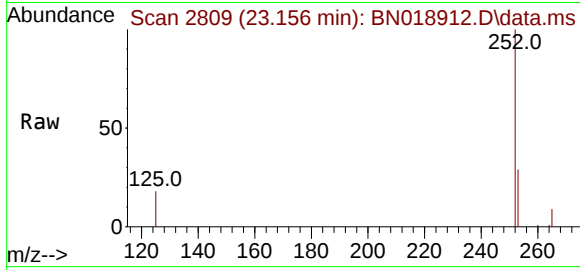
Tgt Ion:252 Resp: 34090
Ion Ratio Lower Upper
252 100
253 25.7 18.9 28.3
125 16.7 12.1 18.1





#38
Benzo(k)fluoranthene
Concen: 0.146 ng m
RT: 23.156 min Scan# 2809
Delta R.T. -0.006 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49

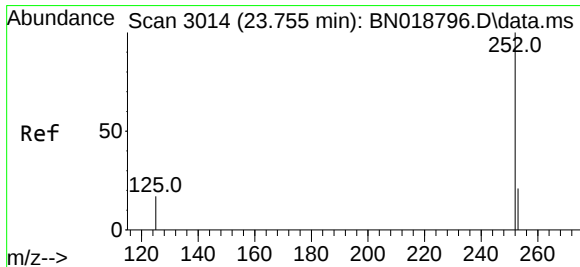
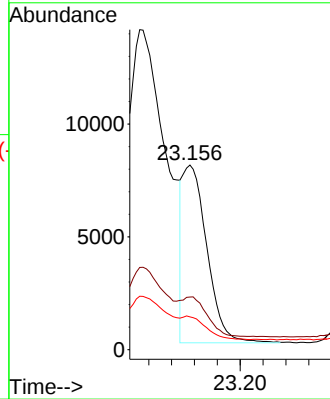
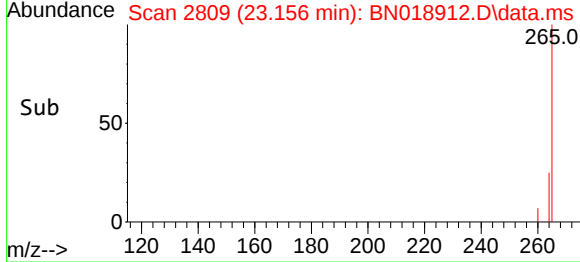
Instrument :
BNA_N
ClientSampleId :
V-2-0309-1A



Tgt Ion:252 Resp: 11578
Ion Ratio Lower Upper
252 100
253 28.6 18.9 28.3
125 17.8 10.3 15.5

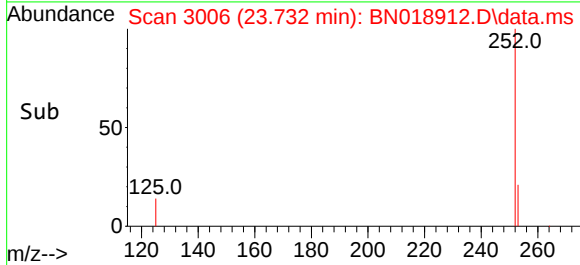
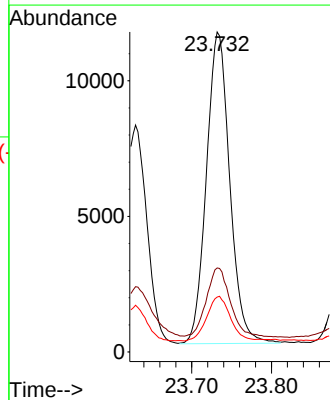
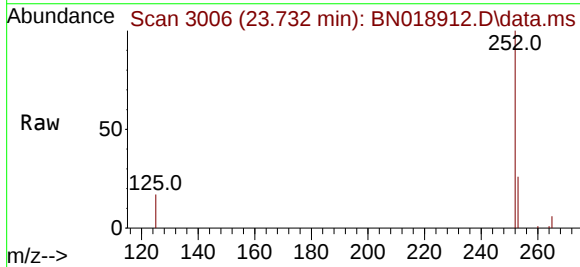
Manual Integrations
APPROVED

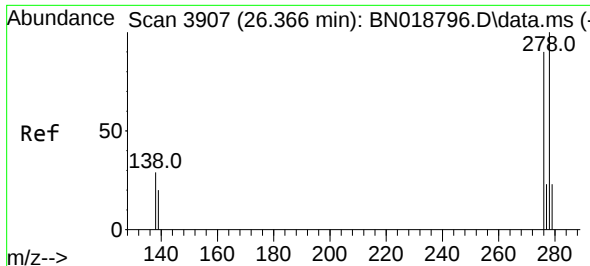
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#39
Benzo(a)pyrene
Concen: 0.380 ng
RT: 23.732 min Scan# 3006
Delta R.T. -0.006 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49

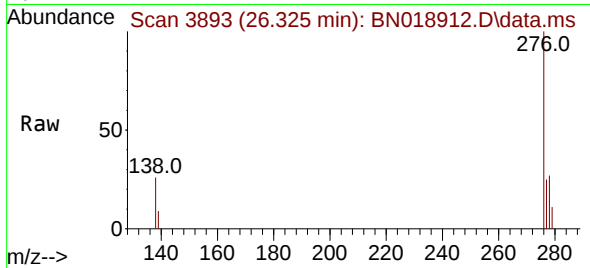
Tgt Ion:252 Resp: 23362
Ion Ratio Lower Upper
252 100
253 26.3 20.1 30.1
125 17.1 15.2 22.8





#40
Dibenzo(a,h)anthracene
Concen: 0.061 ng
RT: 26.325 min Scan# 31
Delta R.T. -0.012 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49

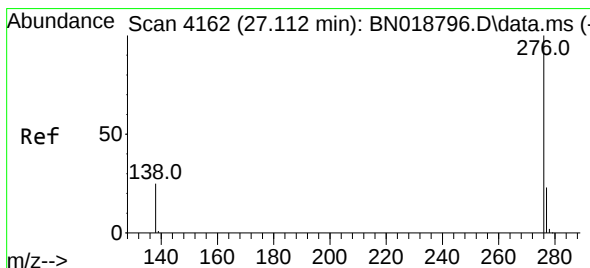
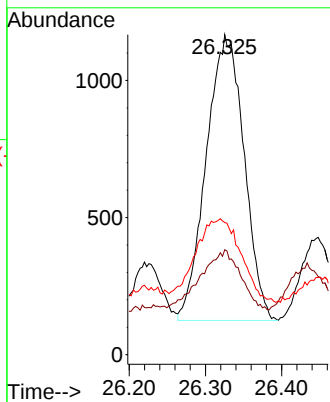
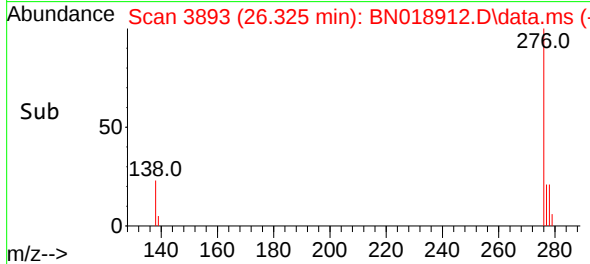
Instrument :
BNA_N
ClientSampleId :
V-2-0309-1A



Tgt Ion:278 Resp: 358
Ion Ratio Lower Upper
278 100
139 32.8 17.2 25.8
279 41.3 19.9 29.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#41
Benzo(g,h,i)perylene
Concen: 0.237 ng
RT: 27.077 min Scan# 4150
Delta R.T. -0.006 min
Lab File: BN018912.D
Acq: 10 Mar 2022 20:49

Tgt Ion:276 Resp: 15070
Ion Ratio Lower Upper
276 100
277 25.0 19.4 29.0
138 26.3 21.0 31.6

