

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031122\
 Data File : BN018919.D
 Acq On : 11 Mar 2022 01:00
 Operator : CG/JU
 Sample : N1862-07DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 V-2-0309-4ADL

Manual Integrations
 APPROVED

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

Quant Time: Mar 11 03:06:09 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	6408	0.400	ng	0.00
7) Naphthalene-d8	10.712	136	19397	0.400	ng	# 0.00
13) Acenaphthene-d10	14.538	164	11587	0.400	ng	0.00
19) Phenanthrene-d10	17.277	188	25032	0.400	ng	# 0.00
29) Chrysene-d12	21.449	240	22051	0.400	ng	# 0.00
35) Perylene-d12	23.840	264	18760	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.457	112	93	0.007	ng	0.00
5) Phenol-d6	7.060	99	834	0.050	ng	0.00
8) Nitrobenzene-d5	9.057	82	883	0.062	ng	0.00
11) 2-Methylnaphthalene-d10	12.299	152	1443	0.046	ng	0.00
14) 2,4,6-Tribromophenol	16.015	330	18	0.003	ng	-0.01
15) 2-Fluorobiphenyl	13.170	172	2208	0.044	ng	0.00
27) Fluoranthene-d10	19.303	212	3713	0.050	ng	0.00
31) Terphenyl-d14	19.894	244	2358	0.050	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.765	128	41225	0.742	ng	99
12) 2-Methylnaphthalene	12.371	142	23725	0.613	ng	99
16) Acenaphthylene	14.260	152	16300	0.308	ng	97
17) Acenaphthene	14.602	154	25749	0.686	ng	99
18) Fluorene	15.586	166	31534	0.646	ng	# 98
25) Phenanthrene	17.318	178	321487	3.867	ng	100
26) Anthracene	17.410	178	73140	1.045	ng	# 95
28) Fluoranthene	19.333	202	390716	4.136	ng	98
30) Pyrene	19.691	202	316161	3.211	ng	# 94
32) Benzo(a)anthracene	21.431	228	161826	1.954	ng	97
33) Chrysene	21.485	228	135608	1.490	ng	96
34) Bis(2-ethylhexyl)phtha...	21.360	149	20797	0.406	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.320	276	59433	0.705	ng	# 92
37) Benzo(b)fluoranthene	23.115	252	155817	1.784	ng	# 93
38) Benzo(k)fluoranthene	23.159	252	53089m	0.616	ng	
39) Benzo(a)pyrene	23.735	252	107752	1.606	ng	97
40) Dibenzo(a,h)anthracene	26.325	278	15046	0.233	ng	# 63
41) Benzo(g,h,i)perylene	27.080	276	56237	0.810	ng	99

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

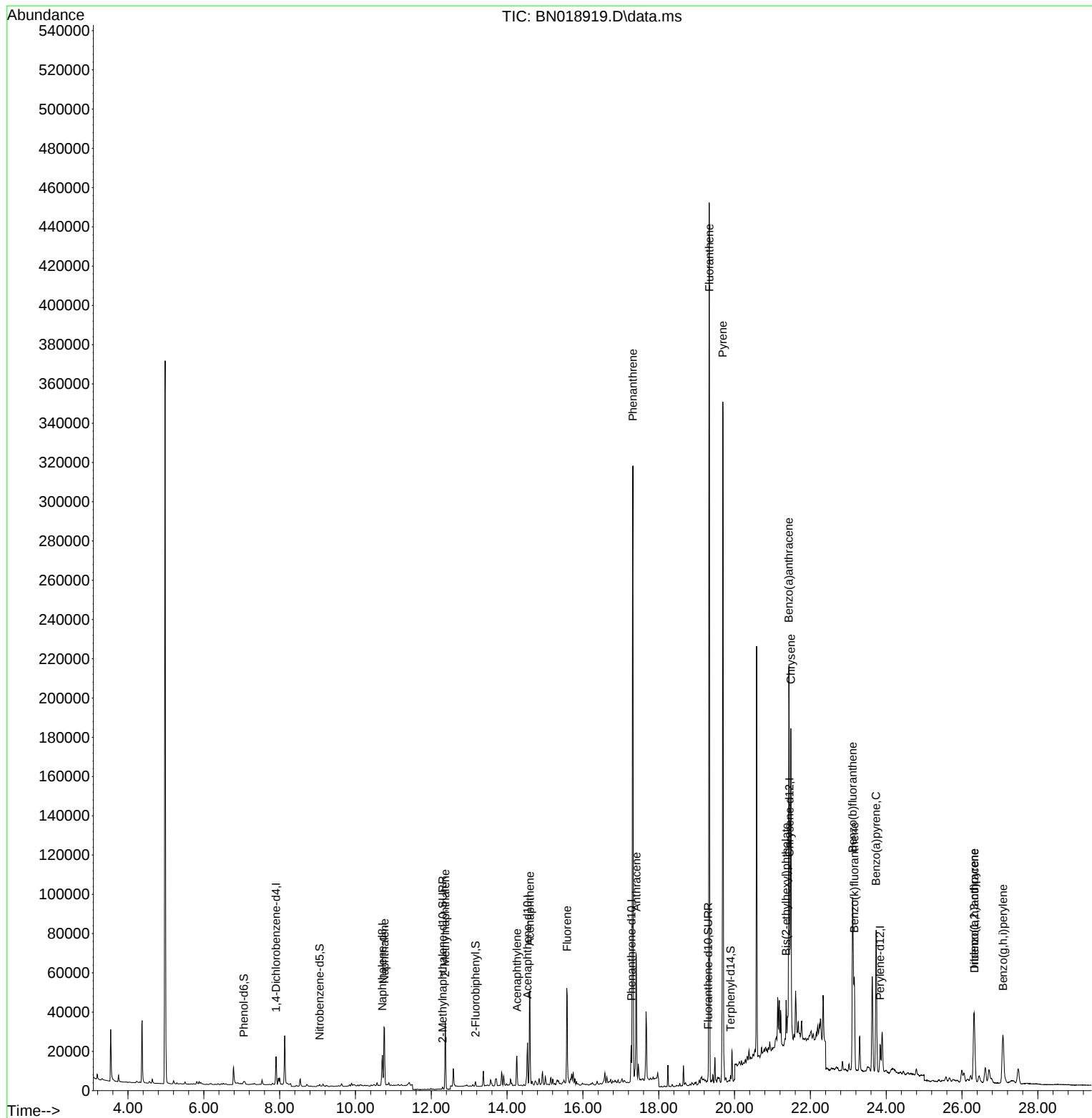
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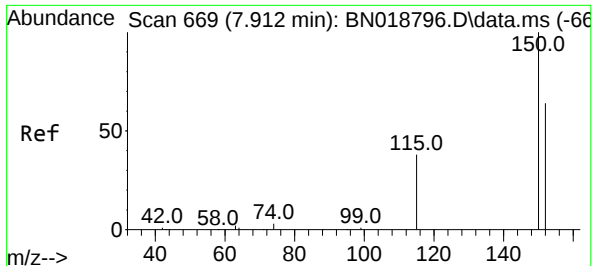
Instrument :
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ClientSampleId :
V-2-0309-4ADL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 11 03:02:57 2022
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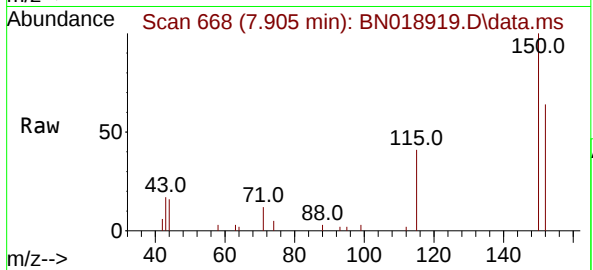
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.905 min Scan# 669
Delta R.T. -0.007 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

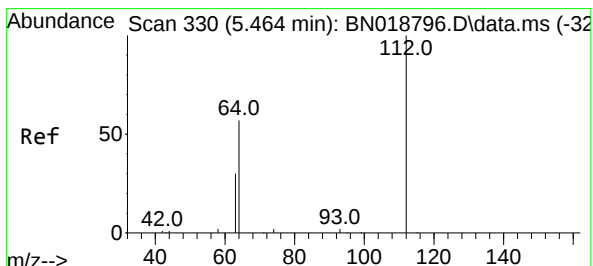
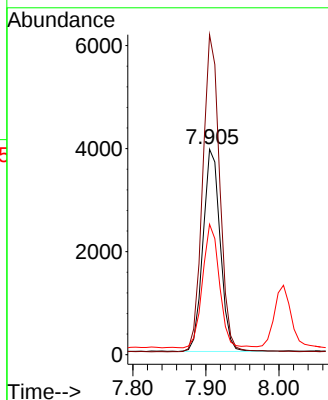
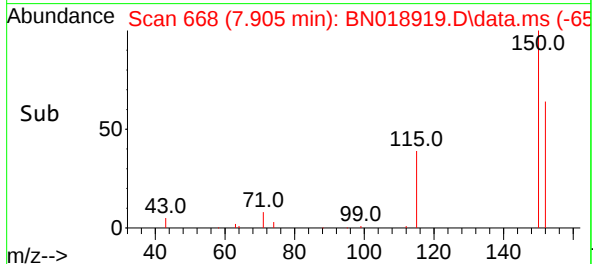
Instrument :
BNA_N
ClientSampleId :
V-2-0309-4ADL



Tgt Ion:152 Resp: 6408
Ion Ratio Lower Upper
152 100
150 155.8 123.9 185.9
115 63.5 48.2 72.4

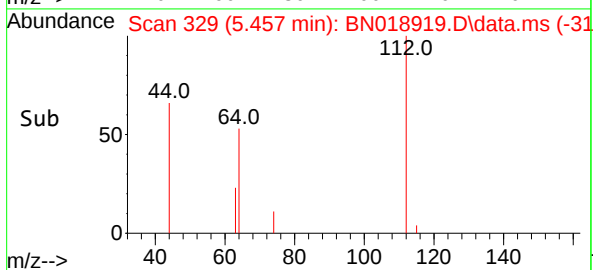
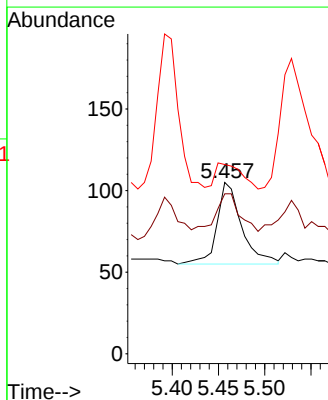
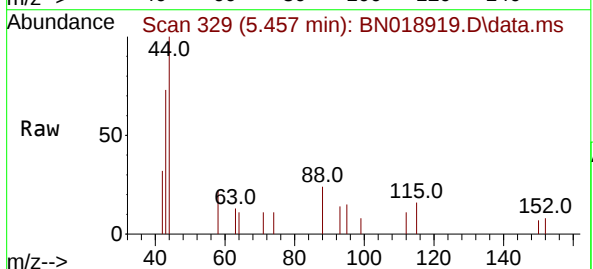
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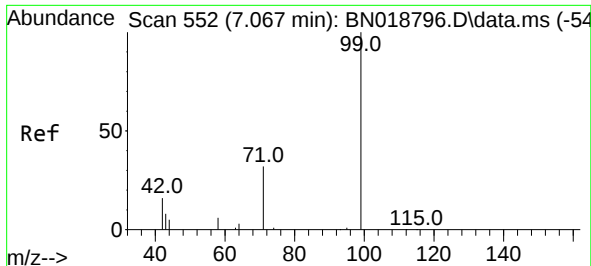
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#4
2-Fluorophenol
Concen: 0.007 ng
RT: 5.457 min Scan# 329
Delta R.T. 0.000 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

Tgt Ion:112 Resp: 93
Ion Ratio Lower Upper
112 100
64 47.3 47.8 71.8#
63 32.3 25.7 38.5





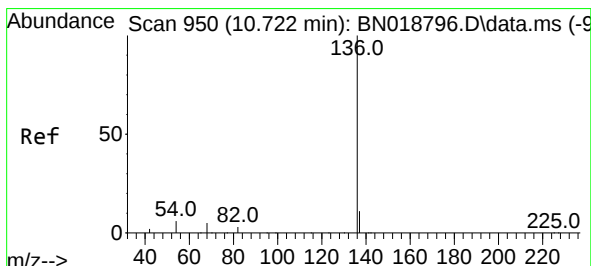
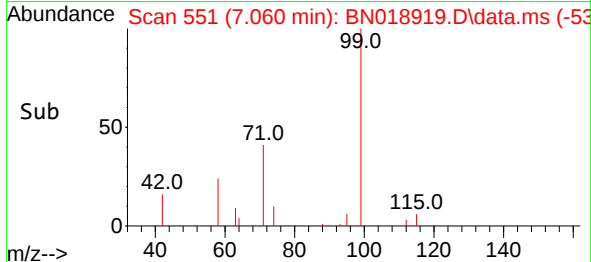
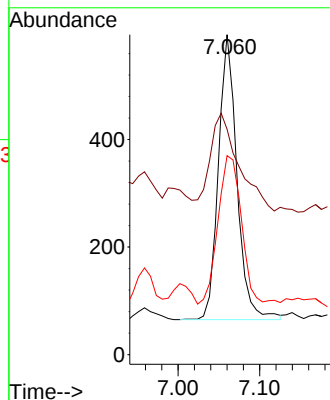
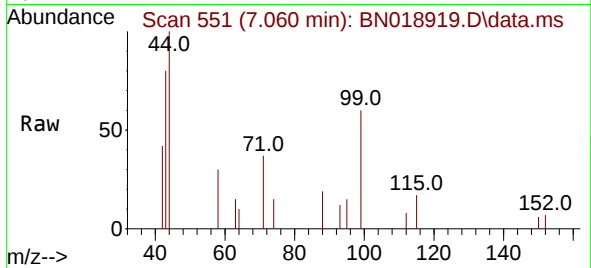
#5
Phenol-d6
Concen: 0.050 ng
RT: 7.060 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

Instrument :
BNA_N
ClientSampleId :
V-2-0309-4ADL

Tgt Ion: 99 Resp: 834
Ion Ratio Lower Upper
99 100
42 53.5 16.2 24.4#
71 65.5 27.7 41.5#

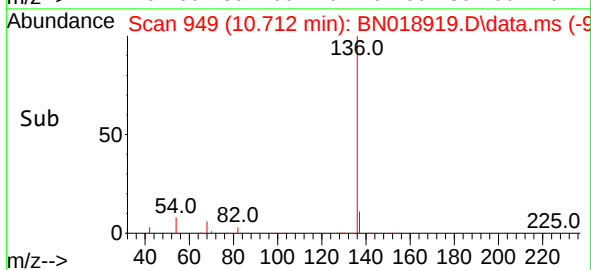
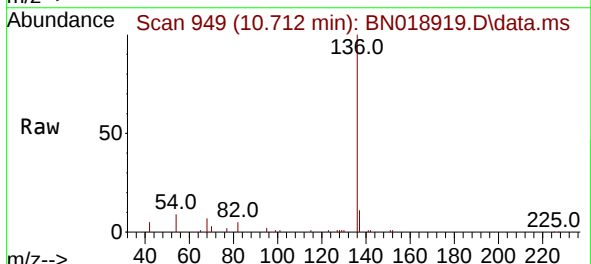
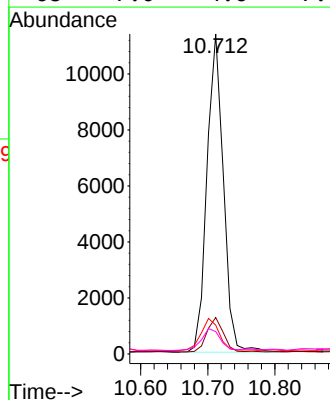
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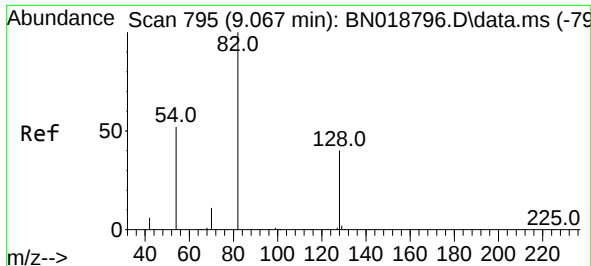
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.712 min Scan# 949
Delta R.T. 0.000 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

Tgt Ion:136 Resp: 19397
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.4
54 9.0 5.8 8.6#
68 7.0 4.6 7.0#





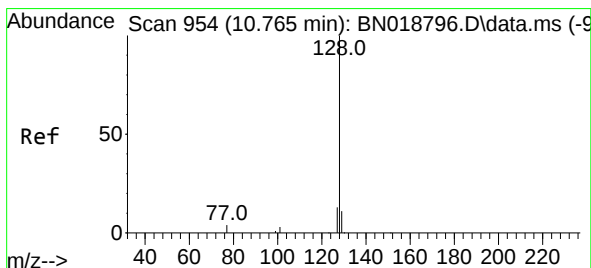
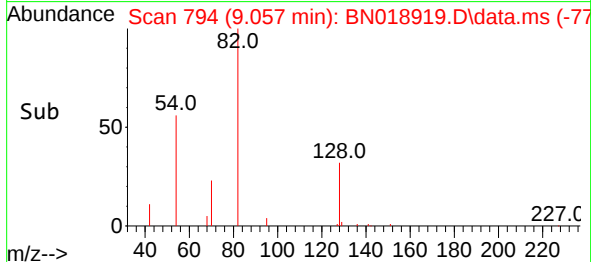
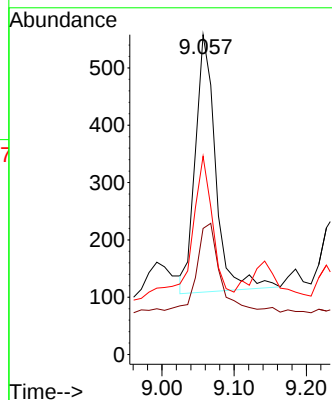
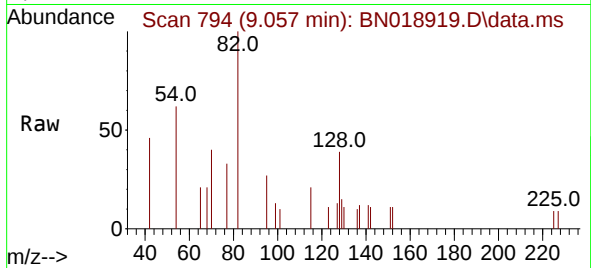
#8
Nitrobenzene-d5
Concen: 0.062 ng
RT: 9.057 min Scan# 794
Delta R.T. 0.000 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

Instrument :
BNA_N
ClientSampleId :
V-2-0309-4ADL

Tgt Ion: 82 Resp: 88
Ion Ratio Lower Upper
82 100
128 39.4 33.0 49.6
54 62.0 42.5 63.7

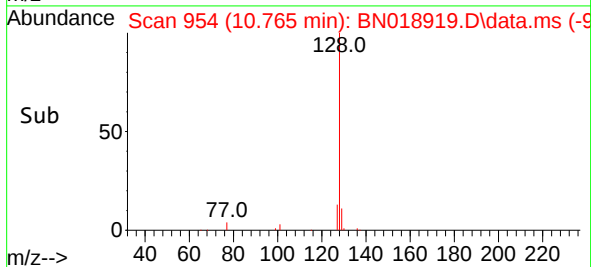
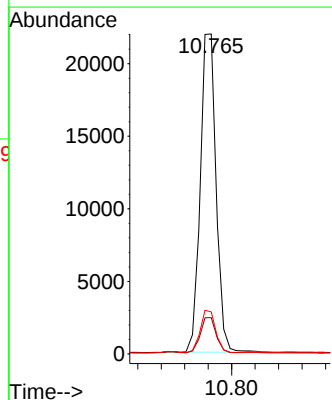
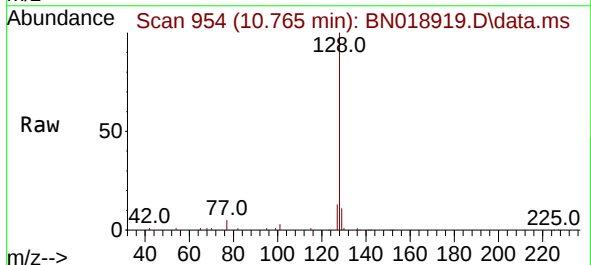
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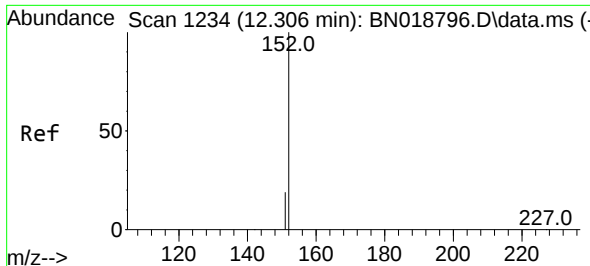
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#9
Naphthalene
Concen: 0.742 ng
RT: 10.765 min Scan# 954
Delta R.T. 0.000 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

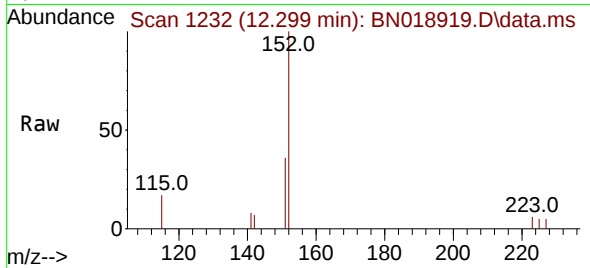
Tgt Ion:128 Resp: 41225
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.4
127 13.1 10.7 16.1





#11
2-Methylnaphthalene-d10
Concen: 0.046 ng
RT: 12.299 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

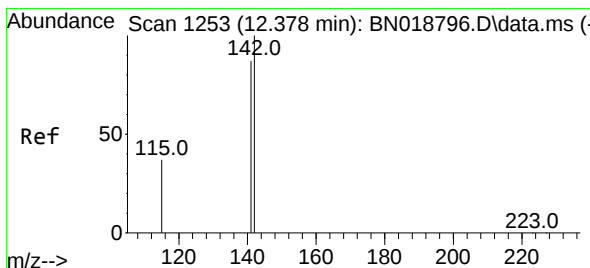
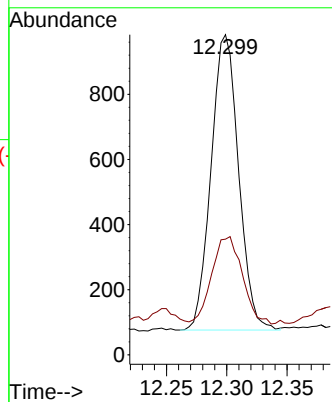
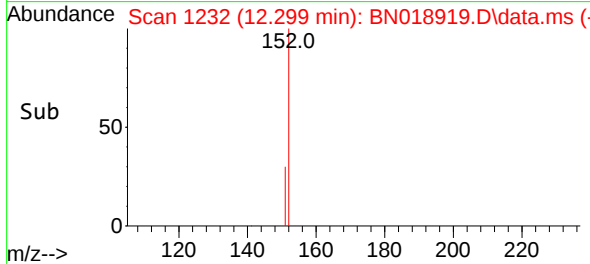
Instrument :
BNA_N
ClientSampleId :
V-2-0309-4ADL



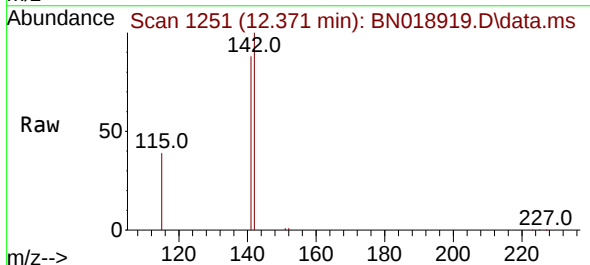
Tgt Ion:152 Resp: 144
Ion Ratio Lower Upper
152 100
151 33.9 16.5 24.7

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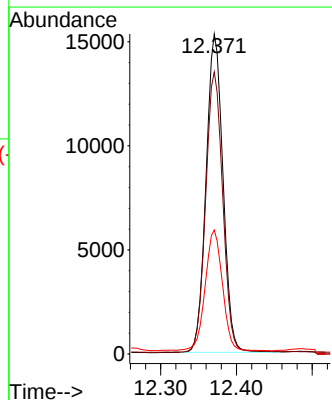
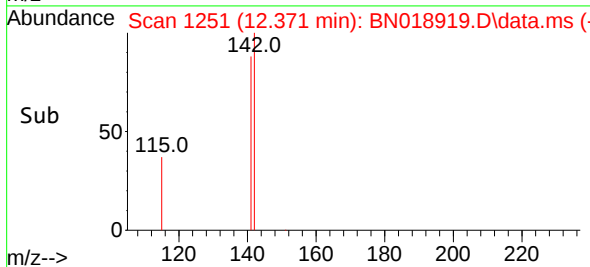
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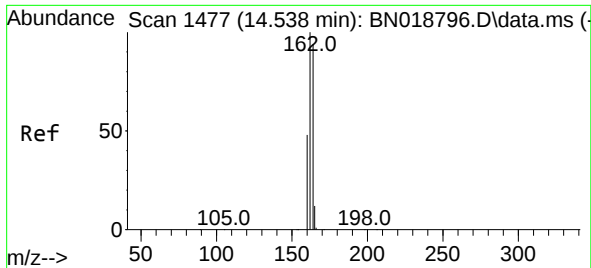


#12
2-Methylnaphthalene
Concen: 0.613 ng
RT: 12.371 min Scan# 1251
Delta R.T. 0.000 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00



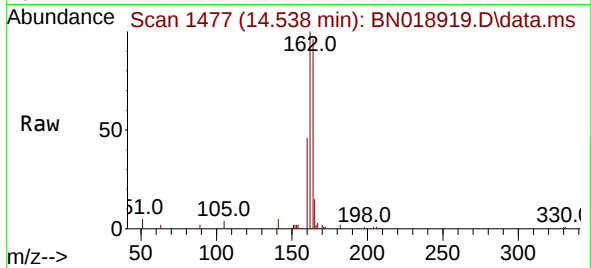
Tgt Ion:142 Resp: 23725
Ion Ratio Lower Upper
142 100
141 88.2 70.0 105.0
115 38.7 29.8 44.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.538 min Scan# 1477
Delta R.T. 0.000 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

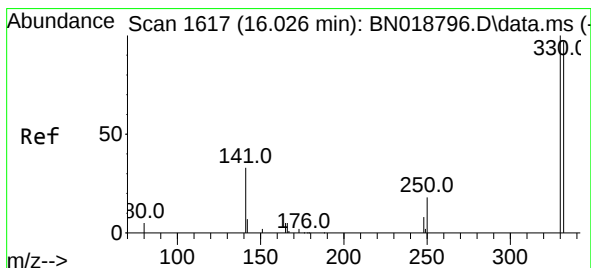
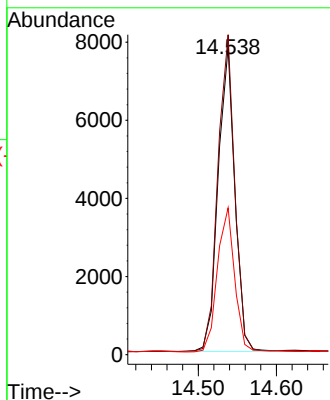
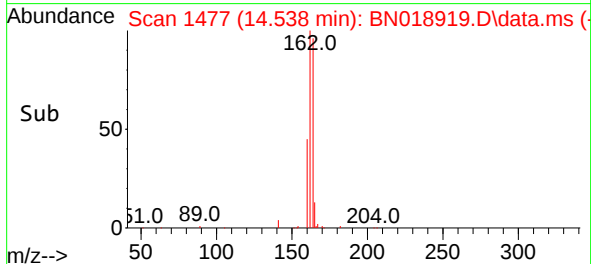
Instrument :
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ClientSampleId :
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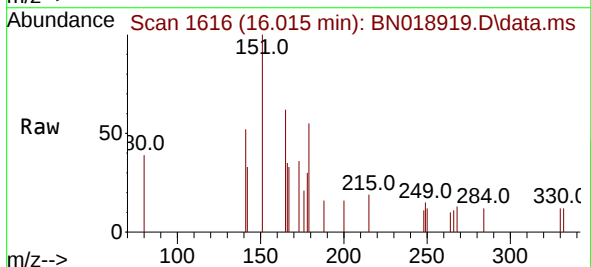
Tgt Ion:164 Resp: 1158
Ion Ratio Lower Upper
164 100
162 104.1 85.2 127.8
160 47.8 41.5 62.3

Manual Integrations
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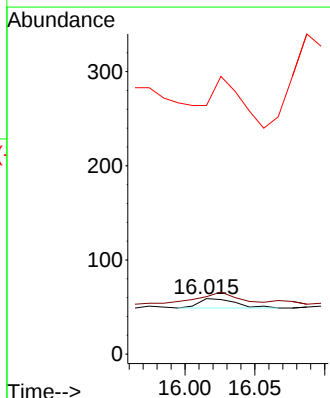
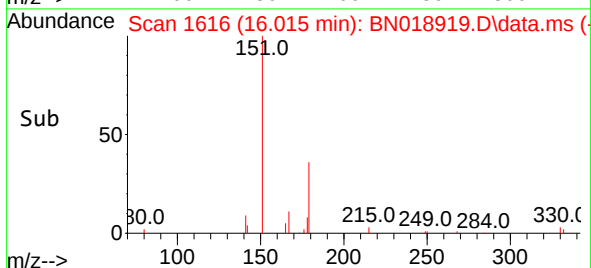
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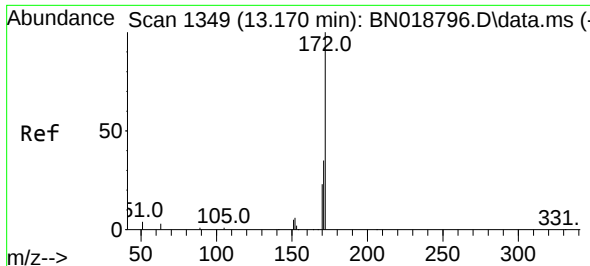


#14
2,4,6-Tribromophenol
Concen: 0.003 ng
RT: 16.015 min Scan# 1616
Delta R.T. -0.010 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00



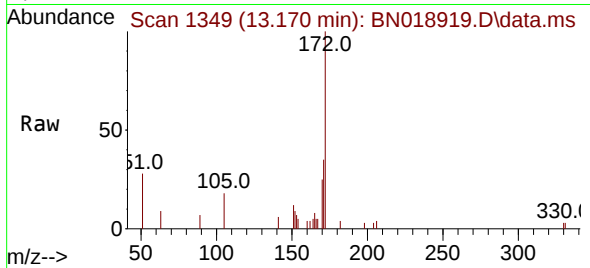
Tgt Ion:330 Resp: 18
Ion Ratio Lower Upper
330 100
332 144.4 76.8 115.2#
141 383.3 32.2 48.2#





#15
2-Fluorobiphenyl
Concen: 0.044 ng
RT: 13.170 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

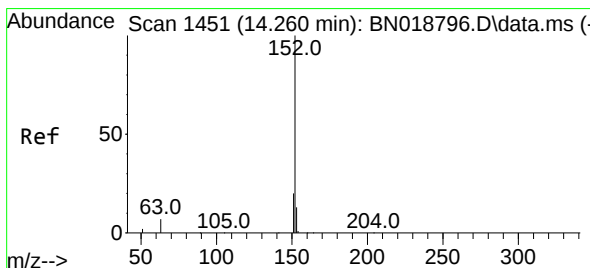
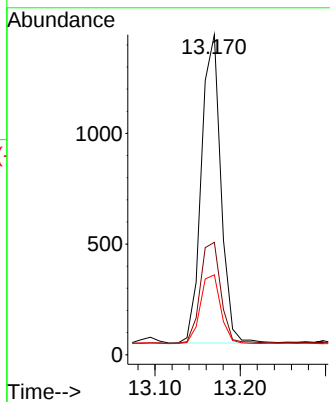
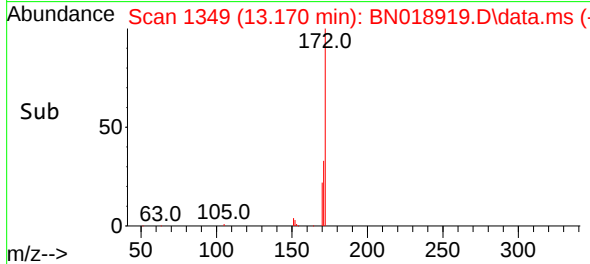
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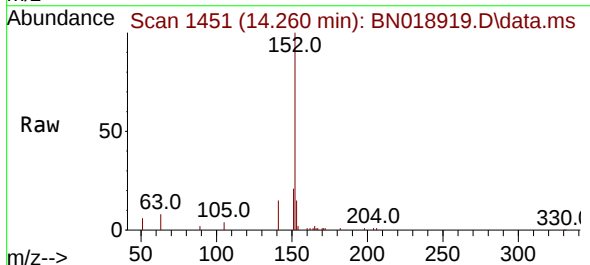
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Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.2
170 25.0 18.7 28.1

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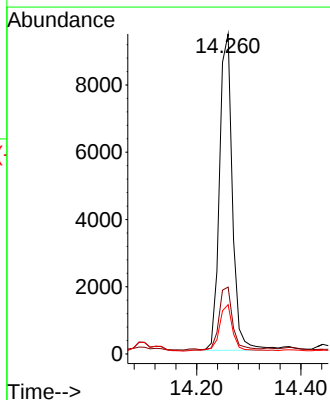
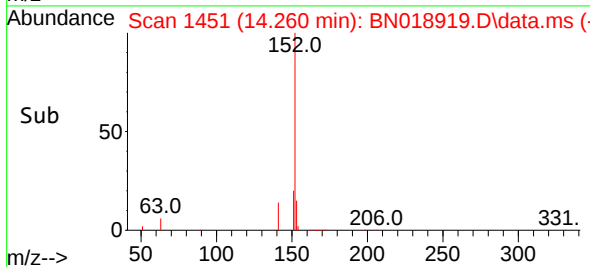
Reviewed By :Christian Giraldo 03/11/2022
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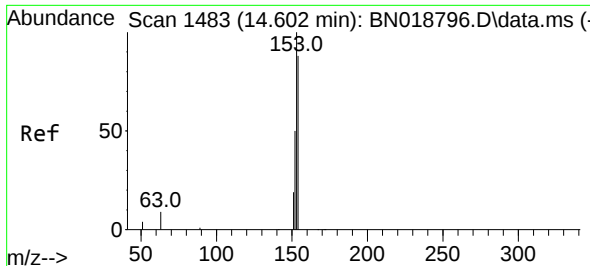


#16
Acenaphthylene
Concen: 0.308 ng
RT: 14.260 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00



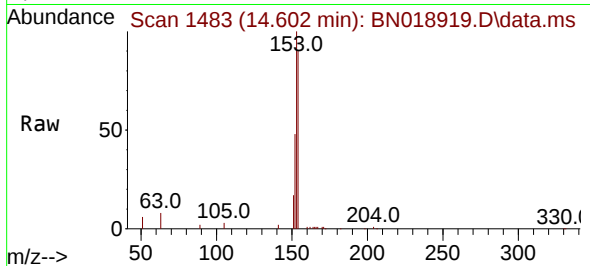
Tgt Ion:152 Resp: 16300
Ion Ratio Lower Upper
152 100
151 20.5 15.9 23.9
153 15.5 10.6 15.8





#17
Acenaphthene
Concen: 0.686 ng
RT: 14.602 min Scan# 1483
Delta R.T. 0.000 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

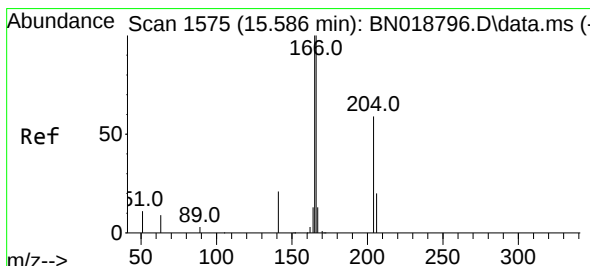
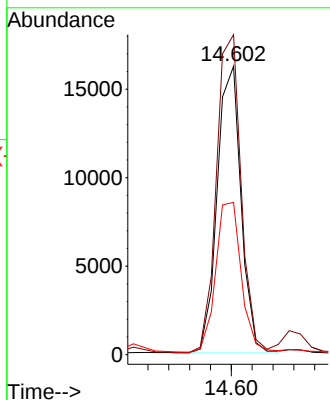
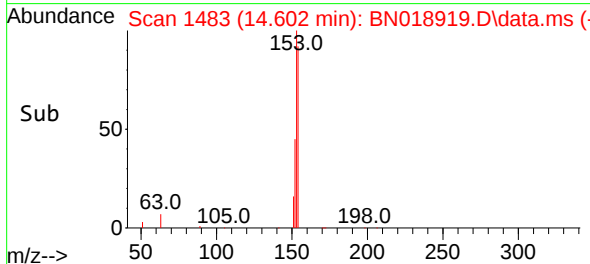
Instrument :
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ClientSampleId :
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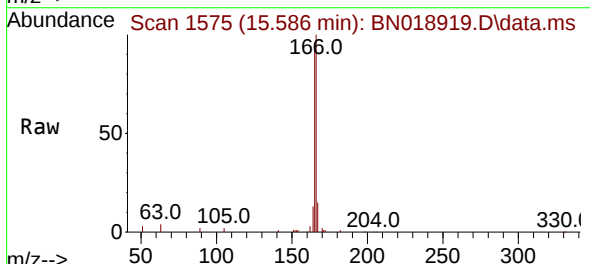
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Ion Ratio Lower Upper
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153 114.2 89.7 134.5
152 56.0 44.7 67.1

Manual Integrations
APPROVED

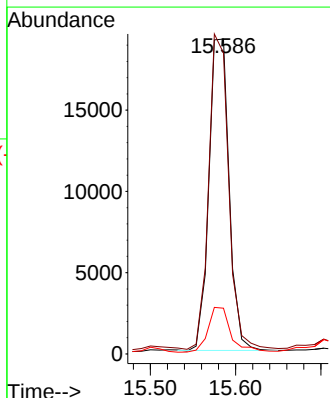
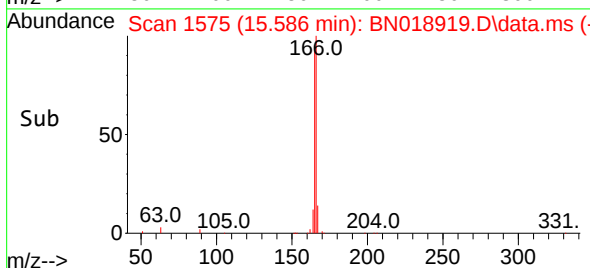
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022

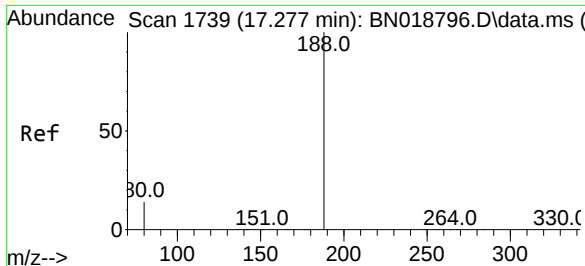


#18
Fluorene
Concen: 0.646 ng
RT: 15.586 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00



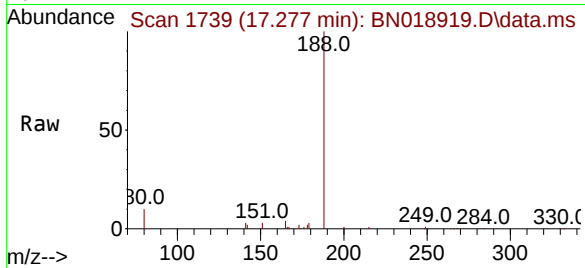
Tgt Ion:166 Resp: 31534
Ion Ratio Lower Upper
166 100
165 99.8 79.2 118.8
167 16.3 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.277 min Scan# 1739
Delta R.T. 0.000 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

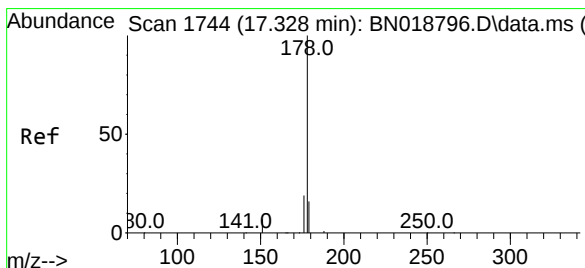
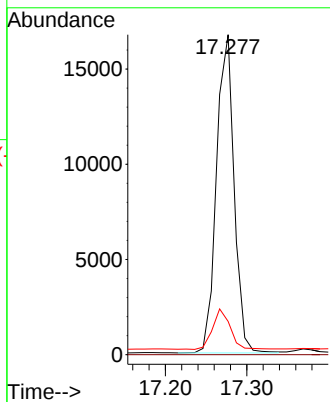
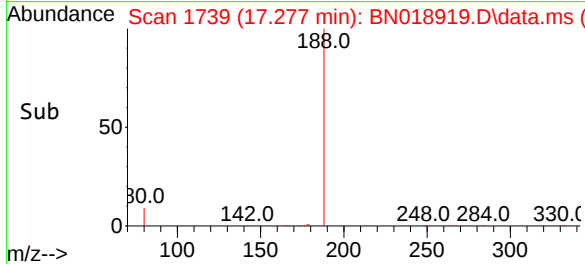
Instrument :
BNA_N
ClientSampleId :
V-2-0309-4ADL



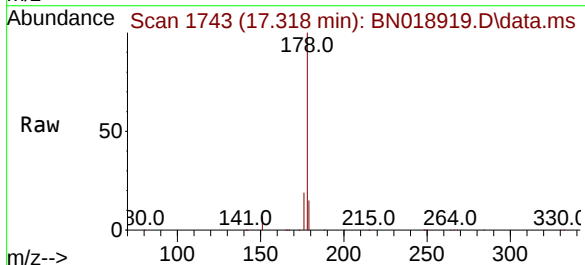
Tgt Ion:188 Resp: 25032
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.4 11.8 17.8

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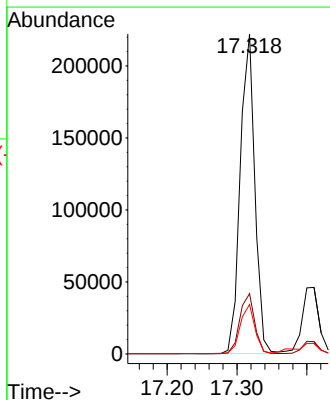
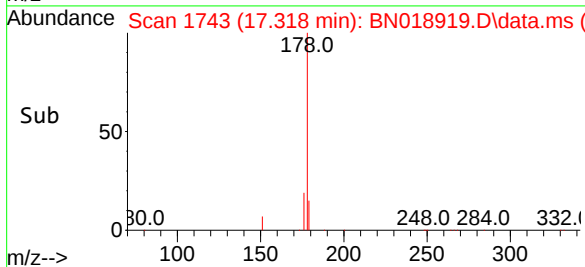
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022

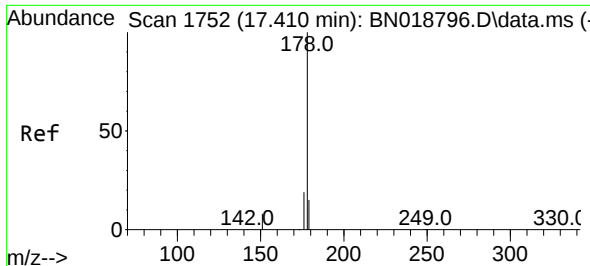


#25
Phenanthrene
Concen: 3.867 ng
RT: 17.318 min Scan# 1743
Delta R.T. 0.000 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00



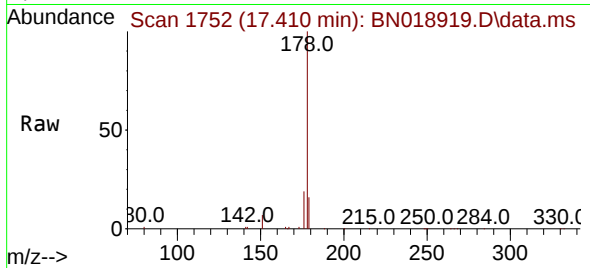
Tgt Ion:178 Resp: 321487
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.3 12.2 18.2





#26
 Anthracene
 Concen: 1.045 ng
 RT: 17.410 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN018919.D
 Acq: 11 Mar 2022 01:00

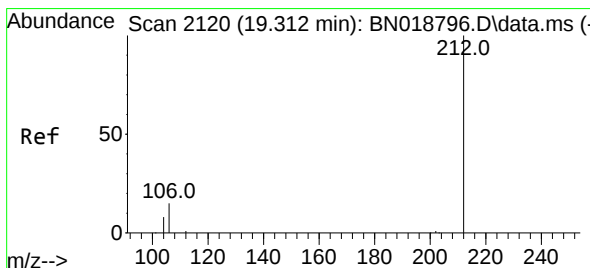
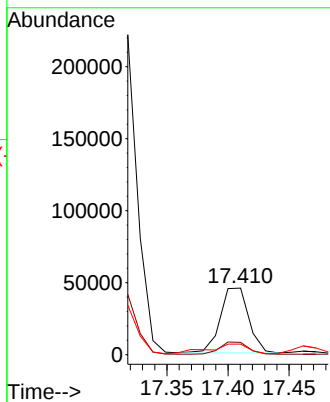
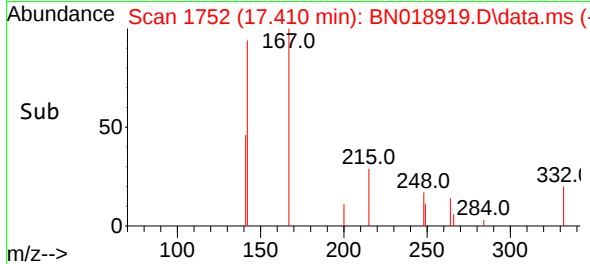
Instrument :
 BNA_N
 ClientSampleId :
 V-2-0309-4ADL



Tgt Ion:178 Resp: 73140
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.8 22.2
 179 20.3 12.2 18.4

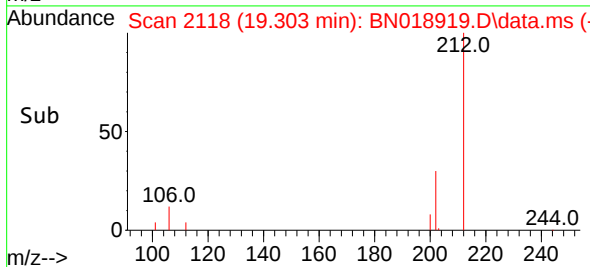
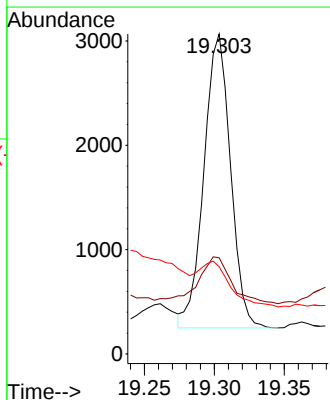
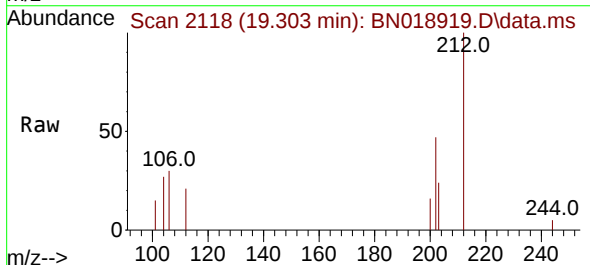
Manual Integrations
 APPROVED

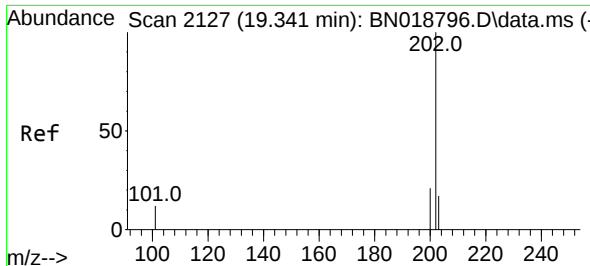
Reviewed By :Christian Giraldo 03/11/2022
 Supervised By :Jagrut Upadhyay 03/11/2022



#27
 Fluoranthene-d10
 Concen: 0.050 ng
 RT: 19.303 min Scan# 2118
 Delta R.T. 0.000 min
 Lab File: BN018919.D
 Acq: 11 Mar 2022 01:00

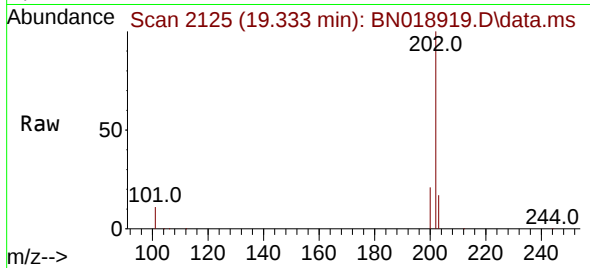
Tgt Ion:212 Resp: 3713
 Ion Ratio Lower Upper
 212 100
 106 19.9 12.7 19.1#
 104 16.8 7.1 10.7#





#28
Fluoranthene
Concen: 4.136 ng
RT: 19.333 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

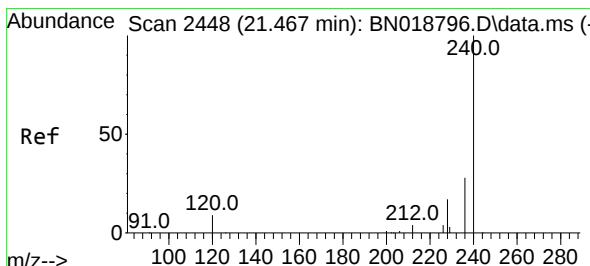
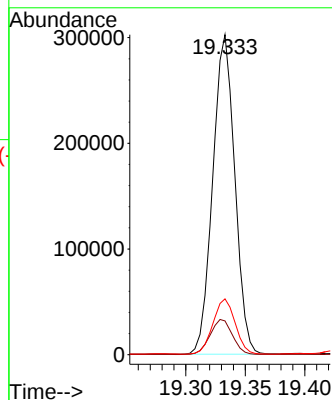
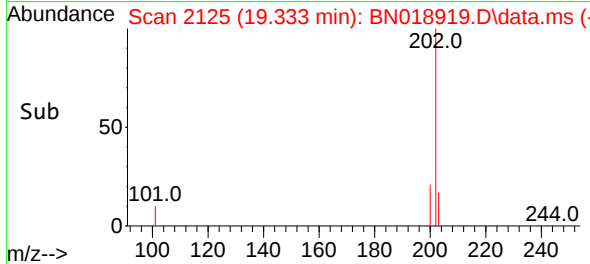
Instrument :
BNA_N
ClientSampleId :
V-2-0309-4ADL



Tgt Ion:202 Resp: 390710
Ion Ratio Lower Upper
202 100
101 11.1 9.8 14.6
203 17.3 13.7 20.5

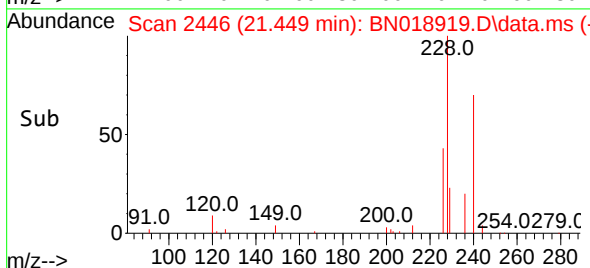
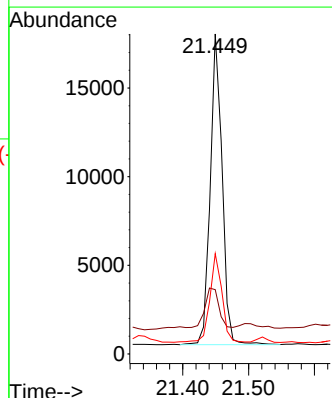
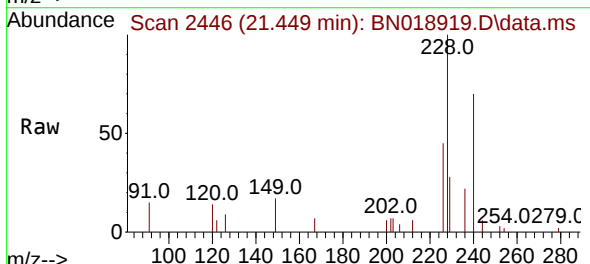
Manual Integrations
APPROVED

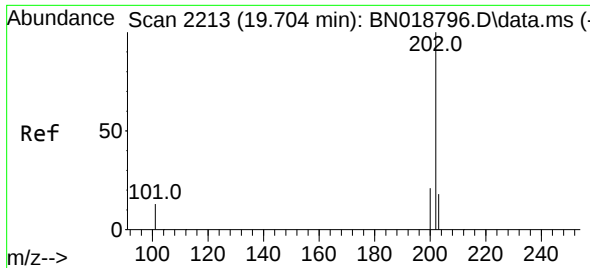
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.449 min Scan# 2446
Delta R.T. 0.000 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

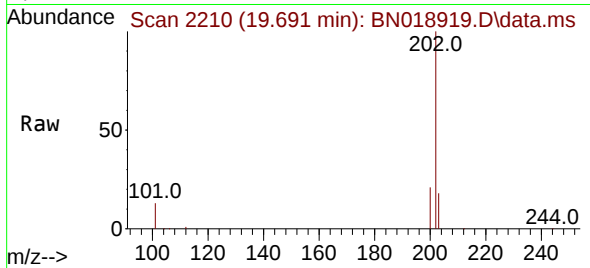
Tgt Ion:240 Resp: 22051
Ion Ratio Lower Upper
240 100
120 20.1 8.5 12.7#
236 31.4 22.4 33.6





#30
Pyrene
Concen: 3.211 ng
RT: 19.691 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

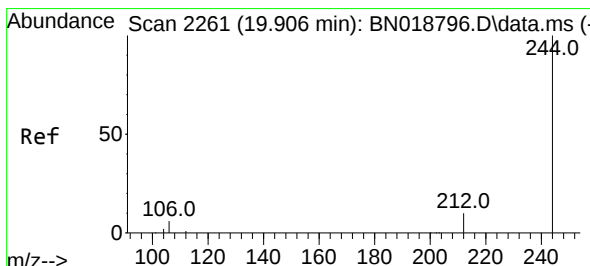
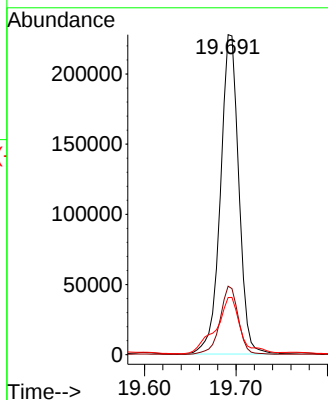
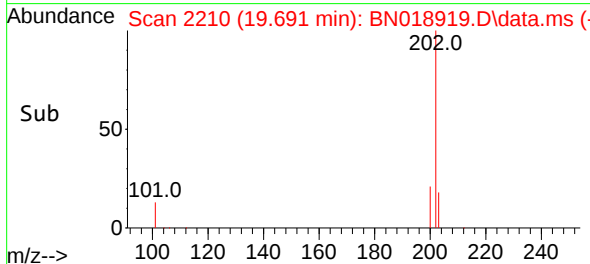
Instrument :
BNA_N
ClientSampleId :
V-2-0309-4ADL



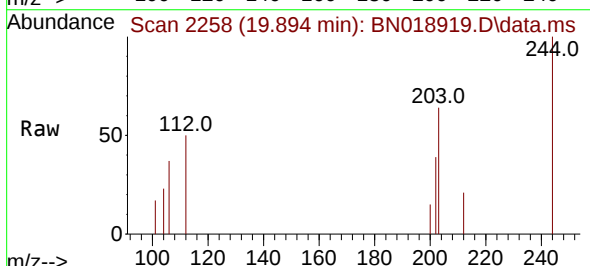
Tgt Ion:202 Resp: 31616
Ion Ratio Lower Upper
202 100
200 21.3 16.9 25.3
203 23.6 14.2 21.2

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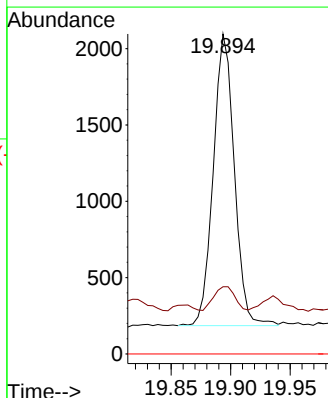
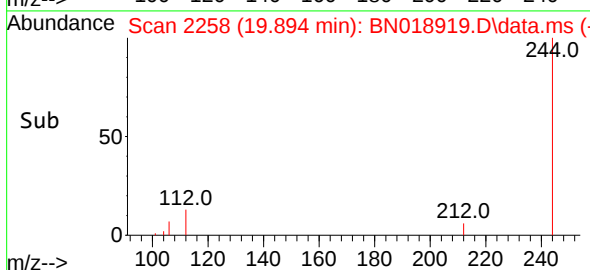
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022

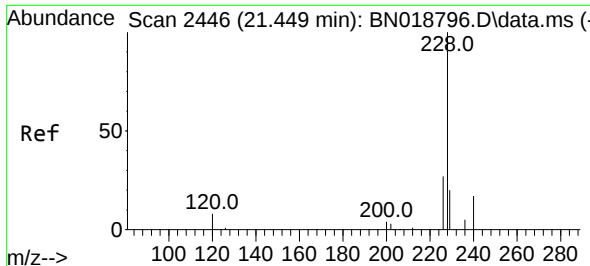


#31
Terphenyl-d14
Concen: 0.050 ng
RT: 19.894 min Scan# 2258
Delta R.T. -0.004 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00



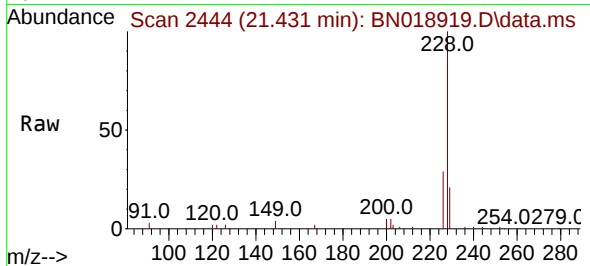
Tgt Ion:244 Resp: 2358
Ion Ratio Lower Upper
244 100
212 21.0 8.2 12.4#
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 1.954 ng
RT: 21.431 min Scan# 2444
Delta R.T. -0.009 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

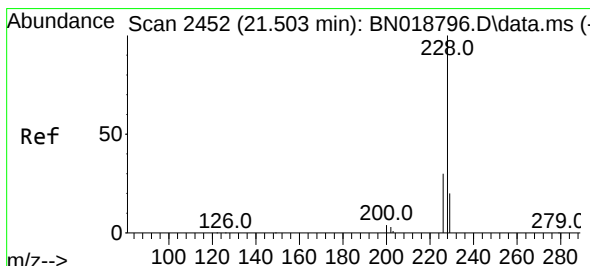
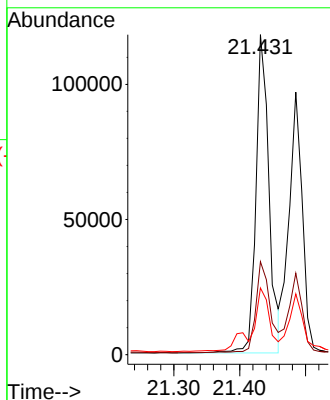
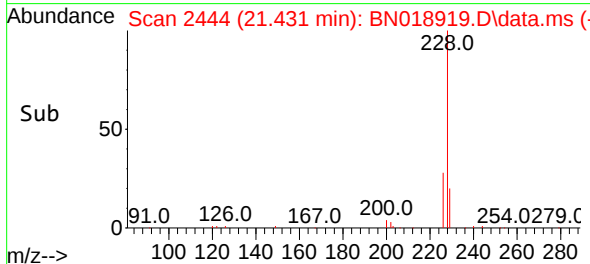
Instrument :
BNA_N
ClientSampleId :
V-2-0309-4ADL



Tgt Ion:228 Resp: 161820
Ion Ratio Lower Upper
228 100
226 29.1 21.9 32.9
229 20.8 16.0 24.0

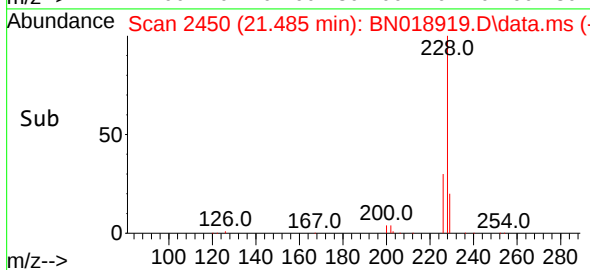
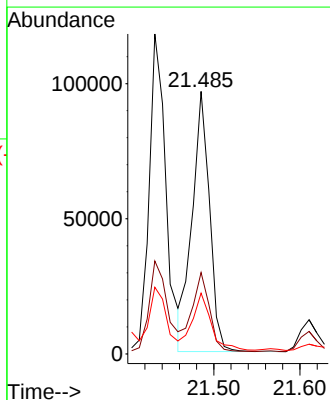
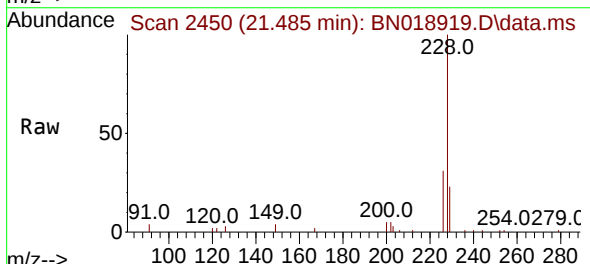
Manual Integrations
APPROVED

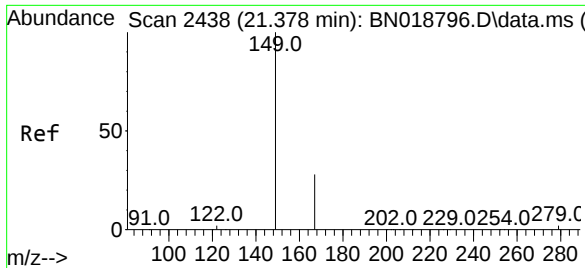
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#33
Chrysene
Concen: 1.490 ng
RT: 21.485 min Scan# 2450
Delta R.T. 0.000 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

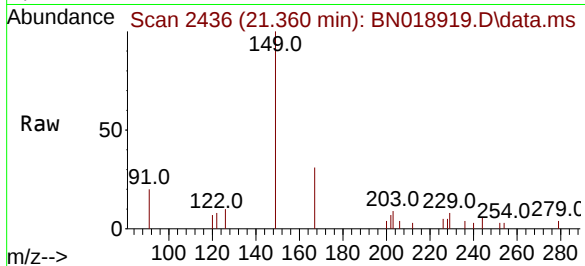
Tgt Ion:228 Resp: 135608
Ion Ratio Lower Upper
228 100
226 31.0 24.0 36.0
229 23.2 15.9 23.9





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.406 ng
RT: 21.360 min Scan# 2438
Delta R.T. -0.009 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

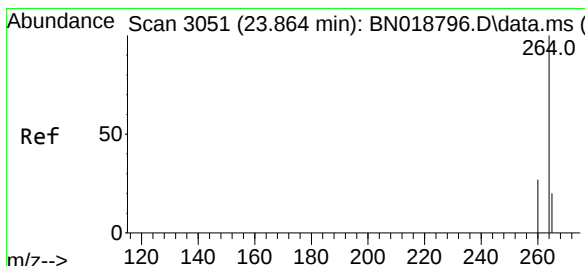
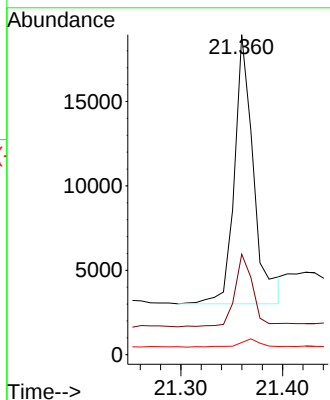
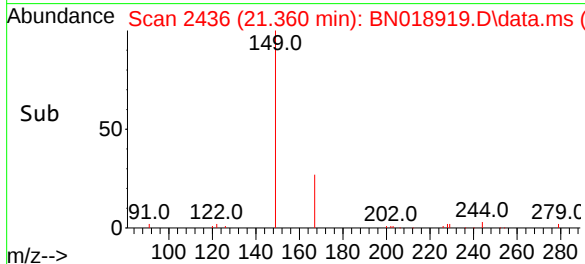
Instrument :
BNA_N
ClientSampleId :
V-2-0309-4ADL



Tgt Ion:149 Resp: 2079
Ion Ratio Lower Upper
149 100
167 25.5 21.8 32.8
279 3.3 2.0 3.0

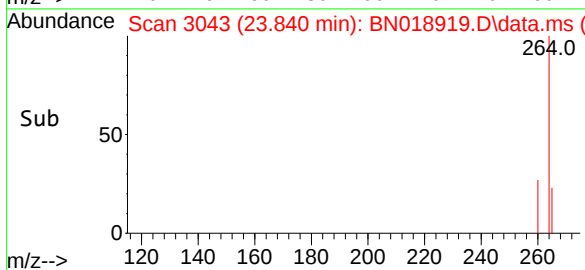
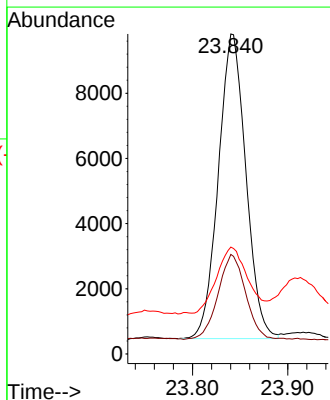
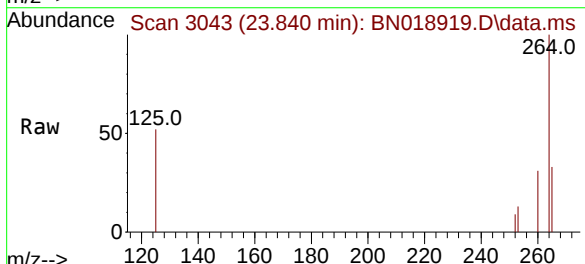
Manual Integrations
APPROVED

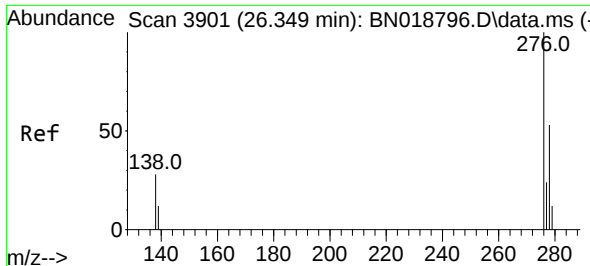
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.840 min Scan# 3043
Delta R.T. -0.003 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

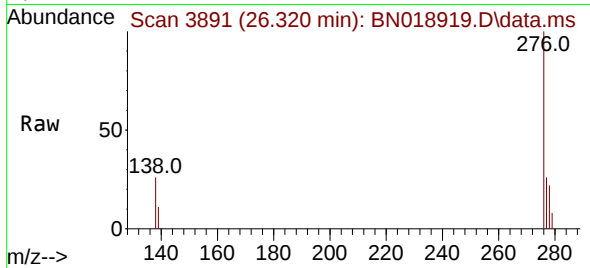
Tgt Ion:264 Resp: 18760
Ion Ratio Lower Upper
264 100
260 31.1 22.4 33.6
265 33.4 25.3 37.9





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.705 ng
RT: 26.320 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

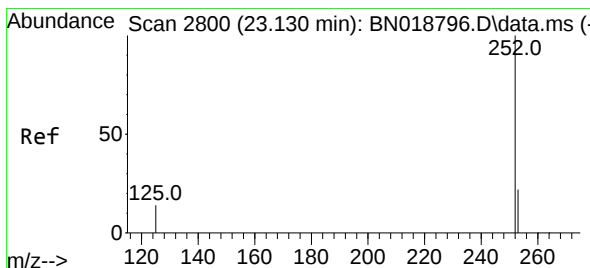
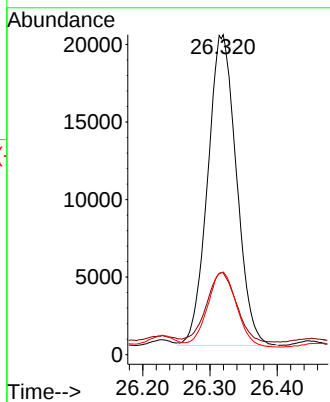
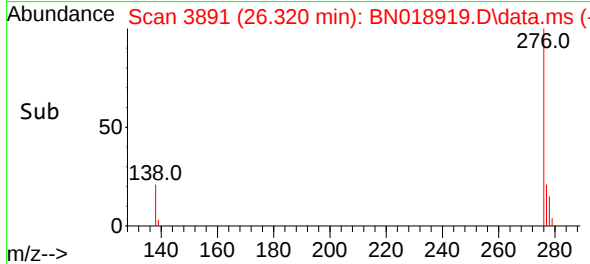
Instrument :
BNA_N
ClientSampleId :
V-2-0309-4ADL



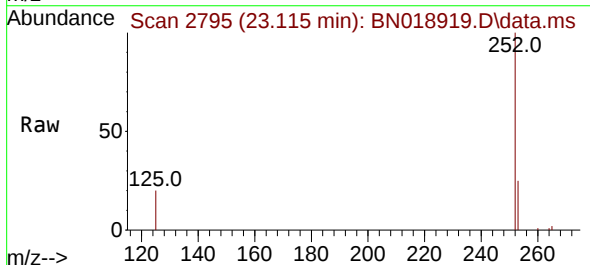
Tgt Ion:276 Resp: 5943
Ion Ratio Lower Upper
276 100
138 23.1 24.5 36.7
277 24.6 19.8 29.8

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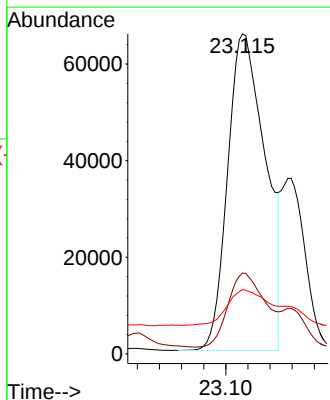
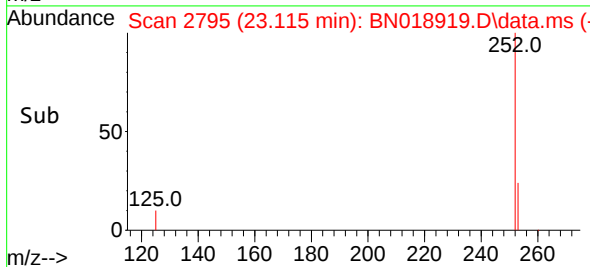
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022

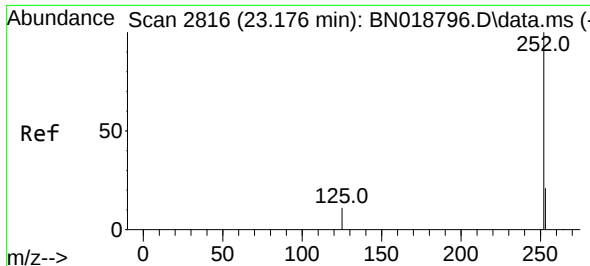


#37
Benzo(b)fluoranthene
Concen: 1.784 ng
RT: 23.115 min Scan# 2795
Delta R.T. 0.000 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00



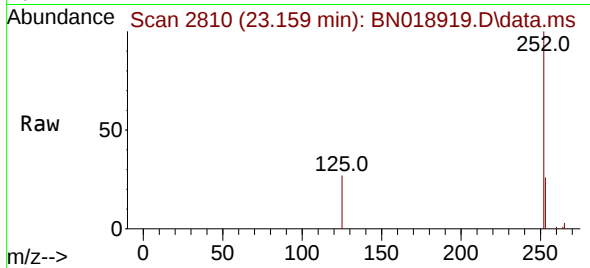
Tgt Ion:252 Resp: 155817
Ion Ratio Lower Upper
252 100
253 25.3 18.9 28.3
125 20.1 12.1 18.1





#38
Benzo(k)fluoranthene
Concen: 0.616 ng m
RT: 23.159 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

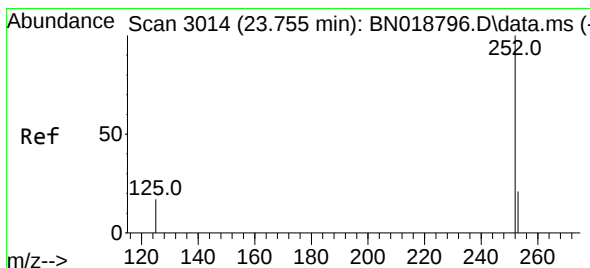
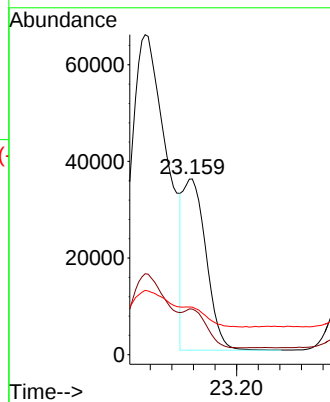
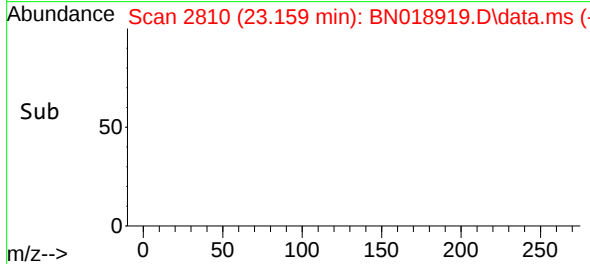
Instrument :
BNA_N
ClientSampleId :
V-2-0309-4ADL



Tgt Ion:252 Resp: 53089
Ion Ratio Lower Upper
252 100
253 25.9 18.9 28.3
125 27.0 10.3 15.5

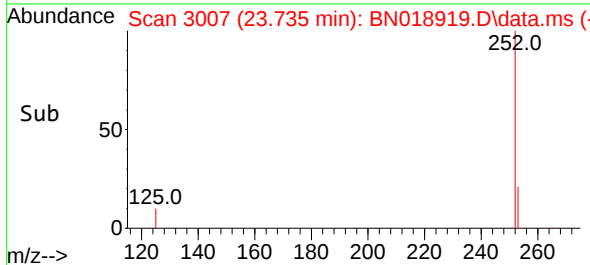
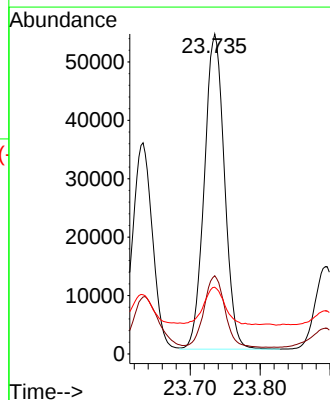
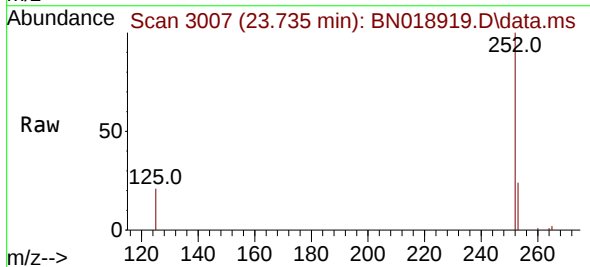
Manual Integrations
APPROVED

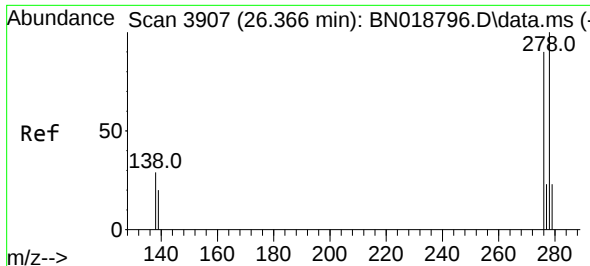
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#39
Benzo(a)pyrene
Concen: 1.606 ng
RT: 23.735 min Scan# 3007
Delta R.T. -0.003 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

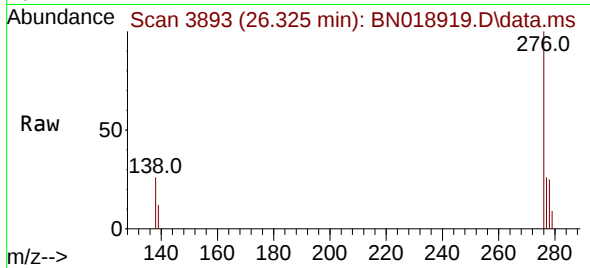
Tgt Ion:252 Resp: 107752
Ion Ratio Lower Upper
252 100
253 24.5 20.1 30.1
125 20.9 15.2 22.8





#40
Dibenzo(a,h)anthracene
Concen: 0.233 ng
RT: 26.325 min Scan# 3907
Delta R.T. -0.012 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

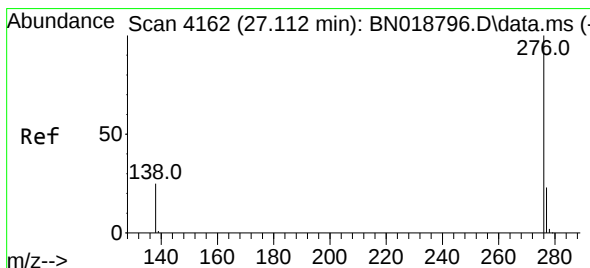
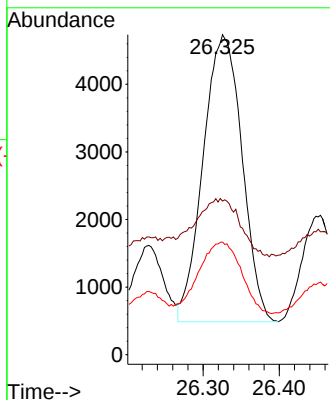
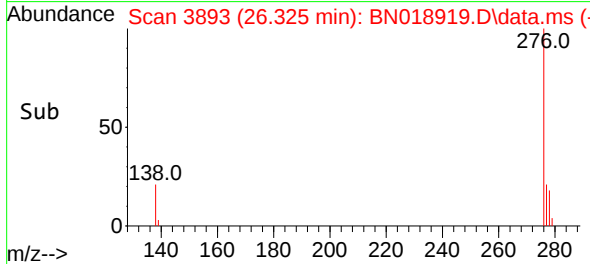
Instrument :
BNA_N
ClientSampleId :
V-2-0309-4ADL



Tgt Ion:278 Resp: 15040
Ion Ratio Lower Upper
278 100
139 48.0 17.2 25.8
279 35.2 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: 0.810 ng
RT: 27.080 min Scan# 4151
Delta R.T. -0.003 min
Lab File: BN018919.D
Acq: 11 Mar 2022 01:00

Tgt Ion:276 Resp: 56237
Ion Ratio Lower Upper
276 100
277 25.5 19.4 29.0
138 26.4 21.0 31.6

