

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040522\
 Data File : BN019359.D
 Acq On : 05 Apr 2022 20:40
 Operator : CG/JU
 Sample : N2220-14 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A06015

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/06/2022
 Supervised By : Jagrut Upadhyay 04/07/2022

Quant Time: Apr 06 02:32:08 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 04 17:40:00 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	3112	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	10086	0.400	ng	# 0.00
13) Acenaphthene-d10	14.463	164	7218	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	16487	0.400	ng	# 0.00
29) Chrysene-d12	21.386	240	16397	0.400	ng	# 0.00
35) Perylene-d12	23.735	264	15597	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	589	0.071	ng	0.00
5) Phenol-d6	7.002	99	533	0.053	ng	0.01
8) Nitrobenzene-d5	9.003	82	409m	0.045	ng	0.02
11) 2-Methylnaphthalene-d10	12.223	152	1235	0.070	ng	0.00
14) 2,4,6-Tribromophenol	15.954	330	249	0.057	ng	0.00
15) 2-Fluorobiphenyl	13.095	172	1839	0.061	ng	0.00
27) Fluoranthene-d10	19.232	212	4069	0.077	ng	0.00
31) Terphenyl-d14	19.830	244	2522	0.071	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.680	128	4153	0.139	ng	# 94
12) 2-Methylnaphthalene	12.299	142	2444	0.118	ng	93
16) Acenaphthylene	14.185	152	11987	0.335	ng	99
17) Acenaphthene	14.527	154	5614	0.236	ng	99
18) Fluorene	15.511	166	7820	0.249	ng	# 99
25) Phenanthrene	17.246	178	184492	3.335	ng	100
26) Anthracene	17.338	178	33689	0.693	ng	99
28) Fluoranthene	19.261	202	346585	5.283	ng	99
30) Pyrene	19.624	202	299807	3.930	ng	# 96
32) Benzo(a)anthracene	21.369	228	157369	2.597	ng	98
33) Chrysene	21.422	228	151162	2.246	ng	98
34) Bis(2-ethylhexyl)phtha...	21.297	149	8565	0.190	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.156	276	84644	1.297	ng	# 89
37) Benzo(b)fluoranthene	23.021	252	209051	3.420	ng	97
38) Benzo(k)fluoranthene	23.065	252	72346m	1.133	ng	
39) Benzo(a)pyrene	23.632	252	129556m	2.359	ng	
40) Dibenzo(a,h)anthracene	26.161	278	18076	0.358	ng	# 91
41) Benzo(g,h,i)perylene	26.898	276	88327	1.459	ng	98

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

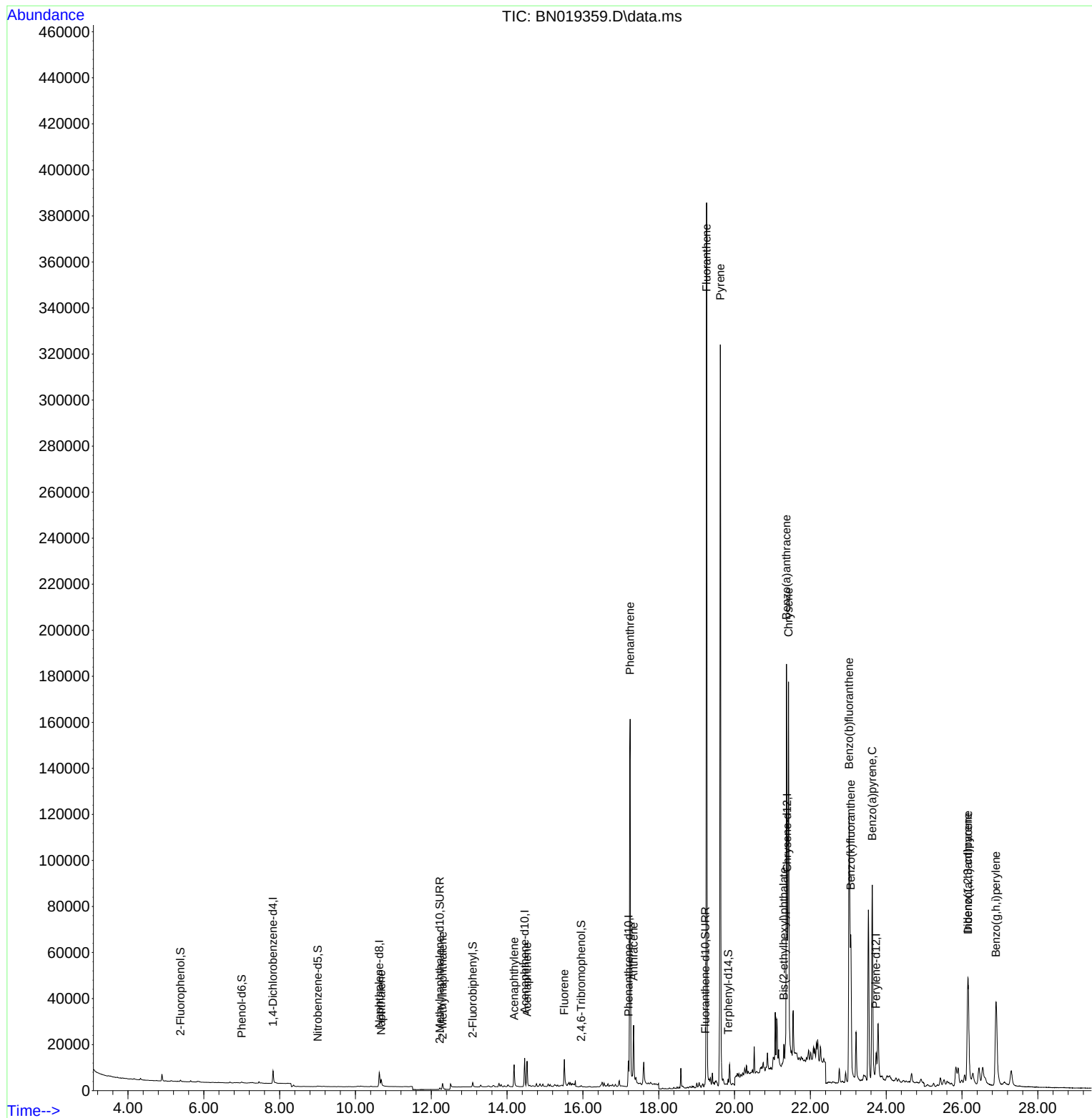
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040522\
Data File : BN019359.D
Acq On : 05 Apr 2022 20:40
Operator : CG/JU
Sample : N2220-14 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

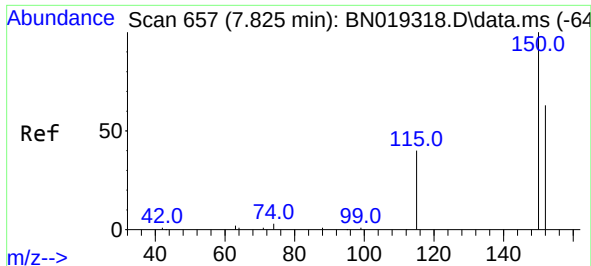
Instrument :
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ClientSampleId :
A06015

Manual Integrations
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Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

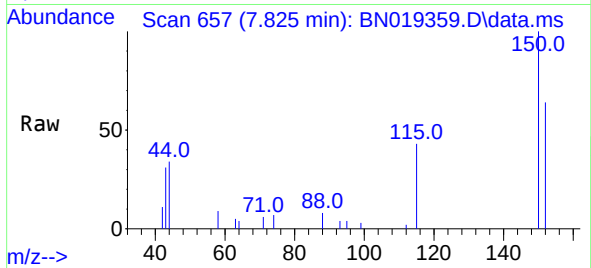
Quant Time: Apr 06 02:32:08 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 04 17:40:00 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 657
Delta R.T. 0.000 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40

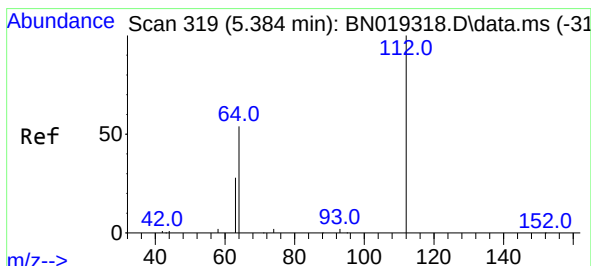
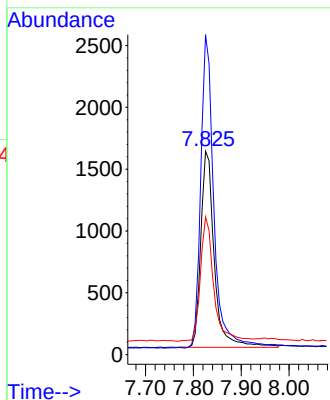
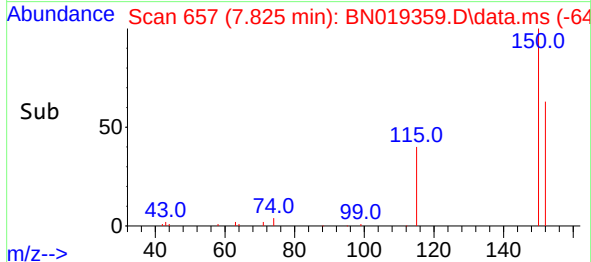
Instrument :
BNA_N
ClientSampleId :
A06015



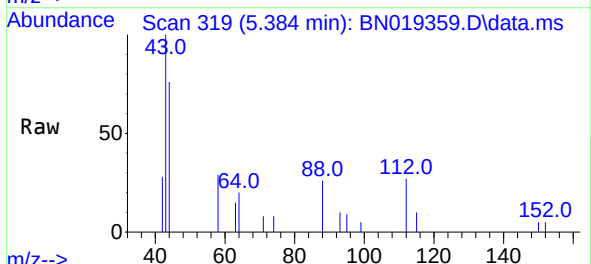
Tgt Ion:152 Resp: 311
Ion Ratio Lower Upper
152 100
150 157.2 123.9 185.9
115 67.7 48.2 72.4

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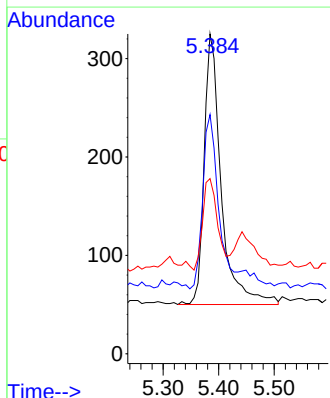
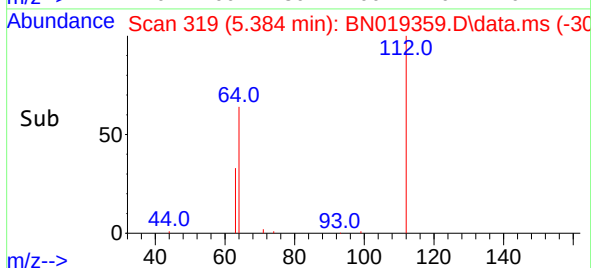
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

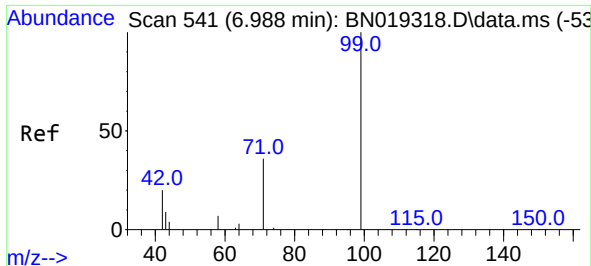


#4
2-Fluorophenol
Concen: 0.071 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40



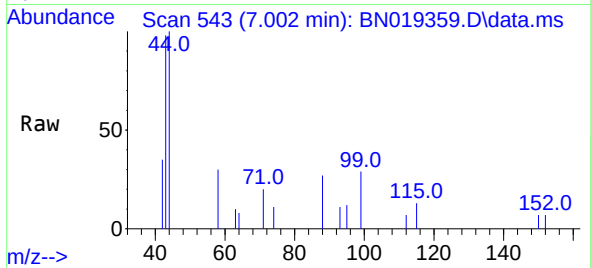
Tgt Ion:112 Resp: 589
Ion Ratio Lower Upper
112 100
64 60.1 47.8 71.8
63 29.2 25.7 38.5





#5
Phenol-d6
Concen: 0.053 ng
RT: 7.002 min Scan# 541
Delta R.T. 0.014 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40

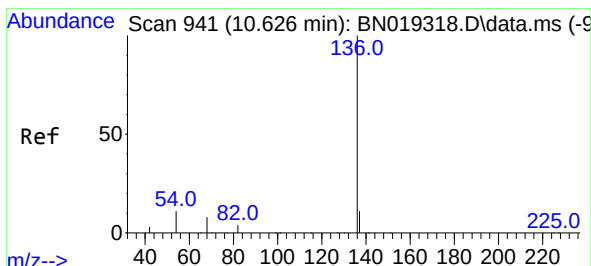
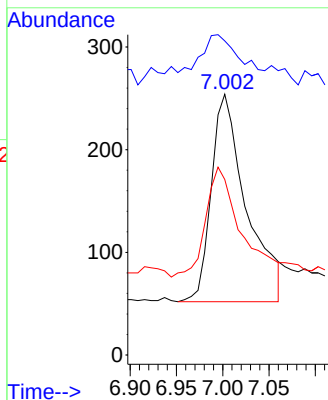
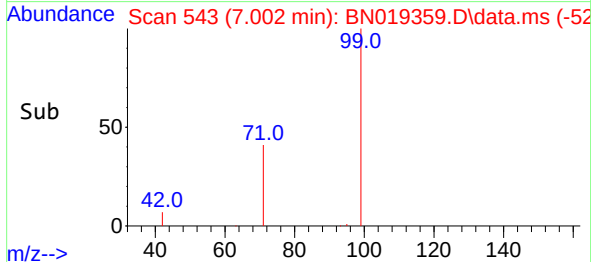
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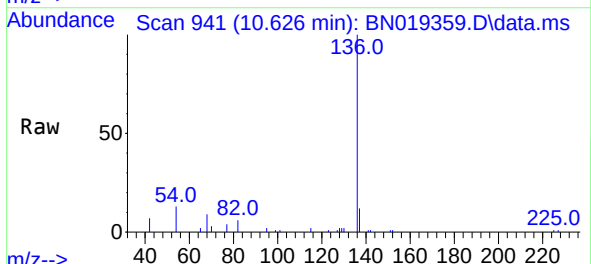
Tgt Ion: 99 Resp: 53
Ion Ratio Lower Upper
99 100
42 21.4 16.2 24.4
71 52.0 27.7 41.5

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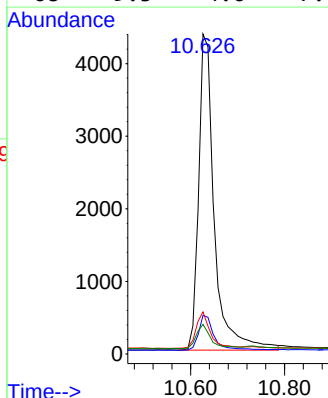
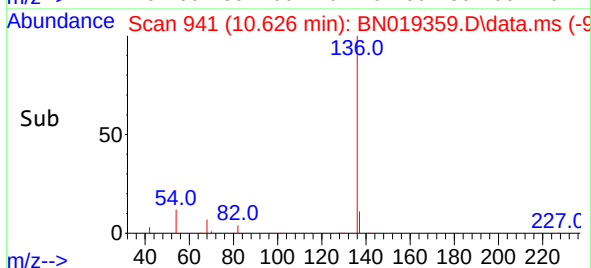
Reviewed By :Christian Giraldo 04/06/2022
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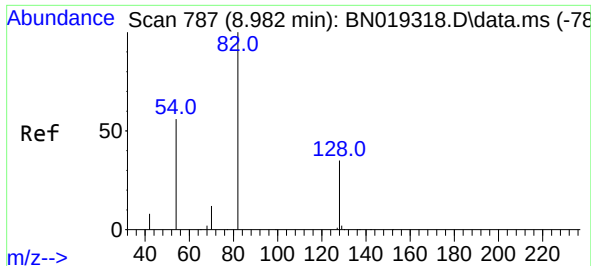


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40



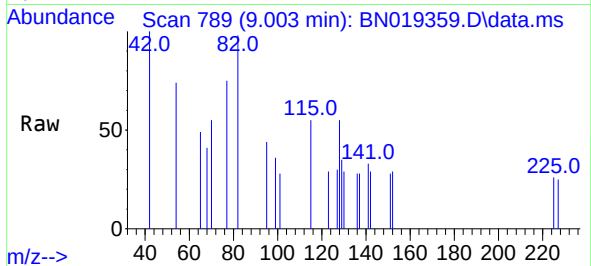
Tgt Ion:136 Resp: 10086
Ion Ratio Lower Upper
136 100
137 12.1 9.0 13.4
54 13.2 5.8 8.6#
68 9.3 4.6 7.0#





#8
Nitrobenzene-d5
Concen: 0.045 ng m
RT: 9.003 min Scan# 789
Delta R.T. 0.021 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40

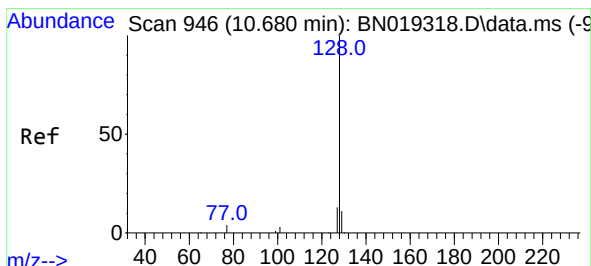
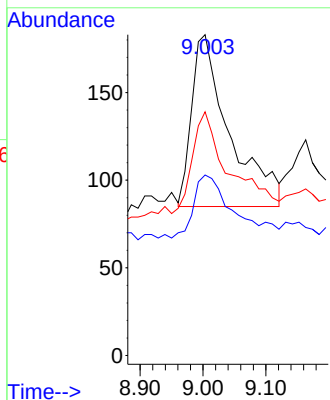
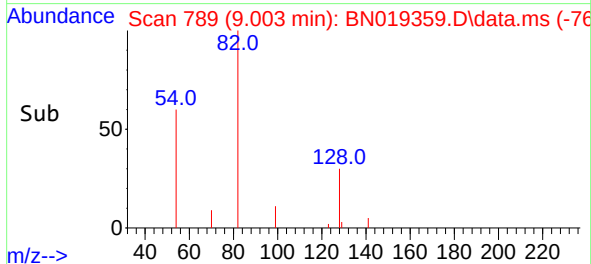
Instrument :
BNA_N
ClientSampleId :
A06015



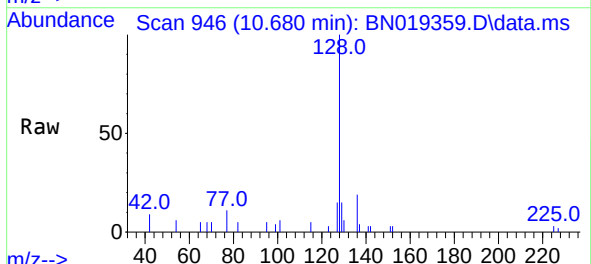
Tgt Ion: 82 Resp: 409
Ion Ratio Lower Upper
82 100
128 56.3 33.0 49.6
54 76.0 42.5 63.7

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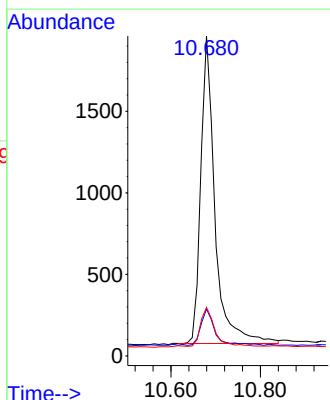
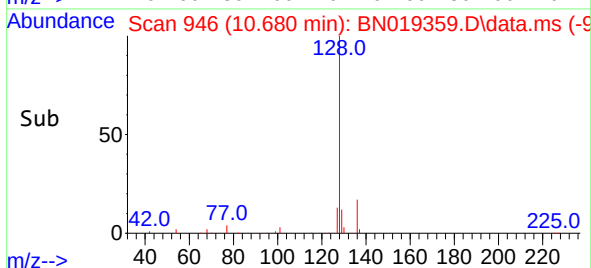
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

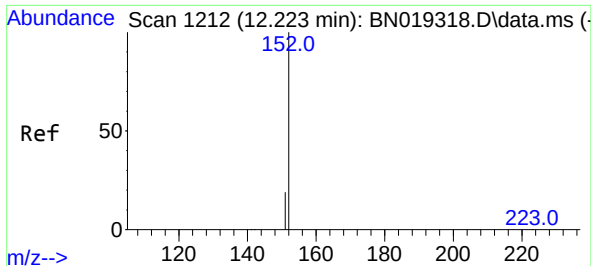


#9
Naphthalene
Concen: 0.139 ng
RT: 10.680 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40



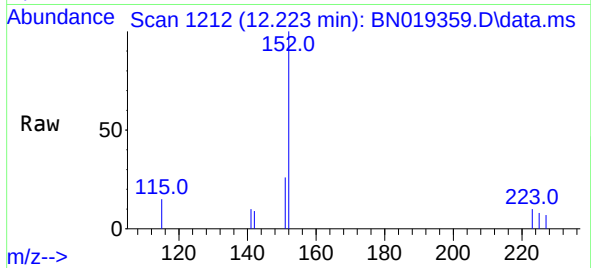
Tgt Ion:128 Resp: 4153
Ion Ratio Lower Upper
128 100
129 14.6 9.0 13.4
127 15.1 10.7 16.1





#11
2-Methylnaphthalene-d10
Concen: 0.070 ng
RT: 12.223 min Scan# 1231
Delta R.T. 0.000 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40

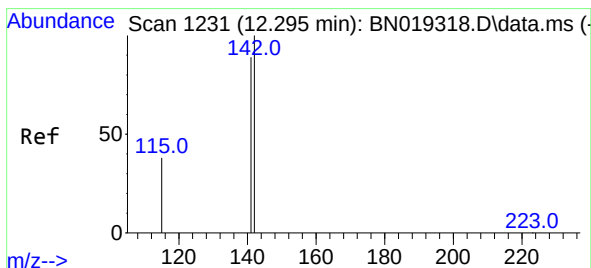
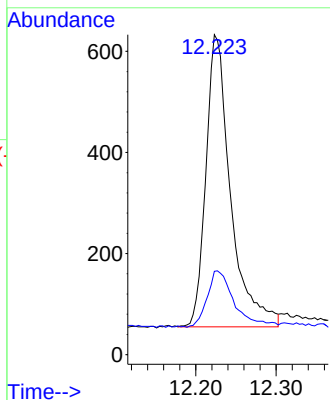
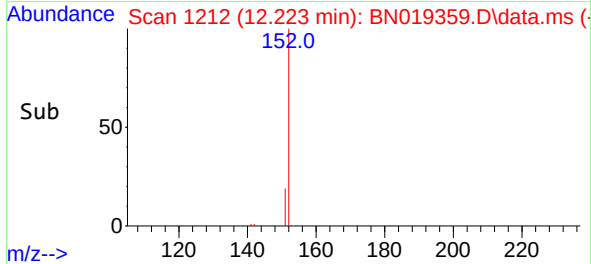
Instrument :
BNA_N
ClientSampleId :
A06015



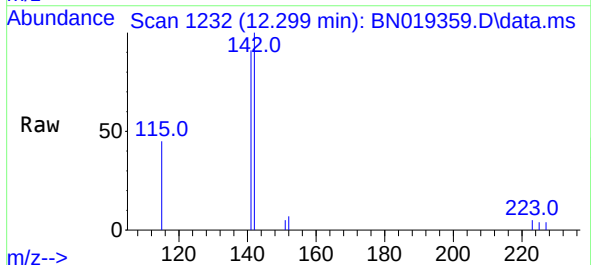
Tgt Ion:152 Resp: 1235
Ion Ratio Lower Upper
152 100
151 21.5 16.5 24.7

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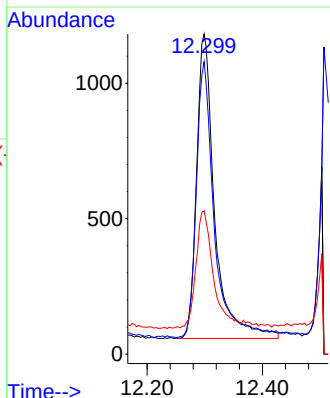
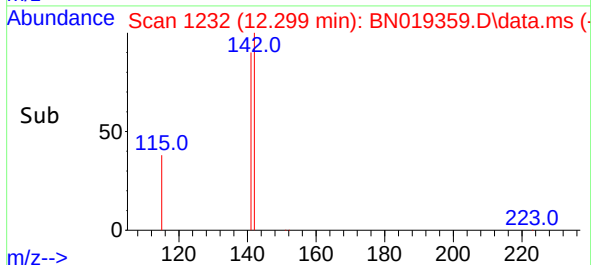
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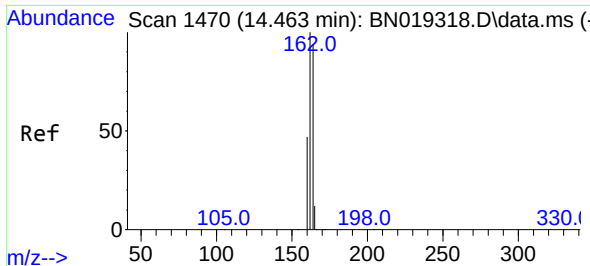


#12
2-Methylnaphthalene
Concen: 0.118 ng
RT: 12.299 min Scan# 1232
Delta R.T. 0.004 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40



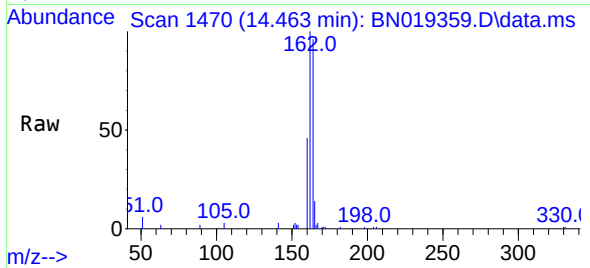
Tgt Ion:142 Resp: 2444
Ion Ratio Lower Upper
142 100
141 91.4 70.0 105.0
115 44.8 29.8 44.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40

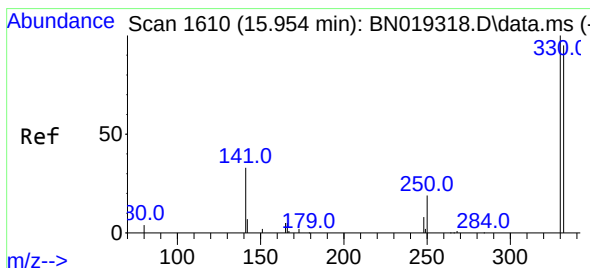
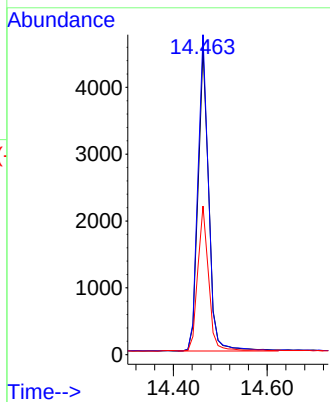
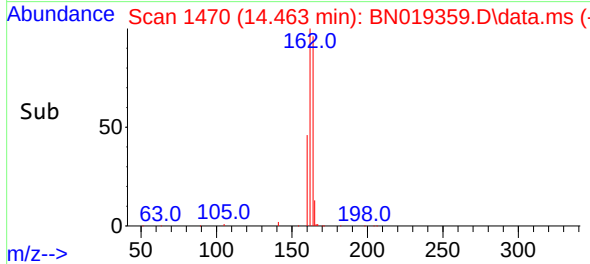
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A06015



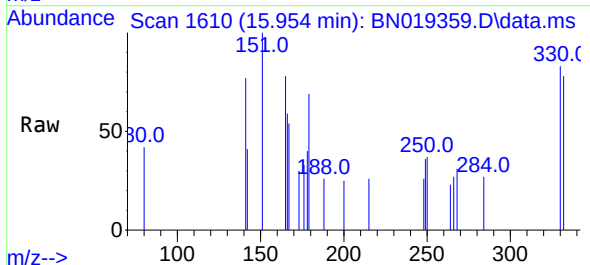
Tgt Ion:164 Resp: 7218
Ion Ratio Lower Upper
164 100
162 104.6 85.2 127.8
160 48.6 41.5 62.3

Manual Integrations
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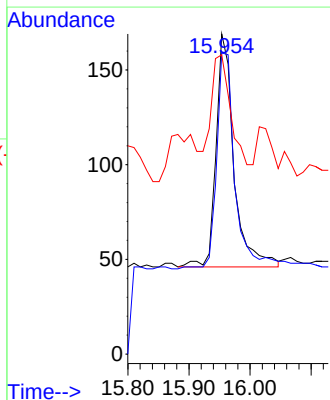
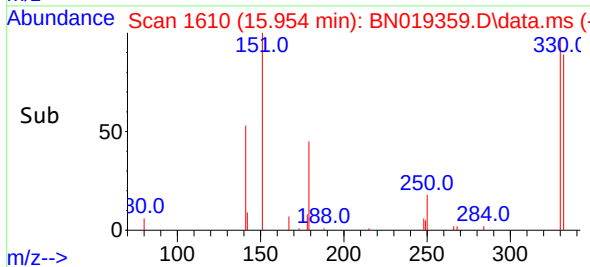
Reviewed By :Christian Giraldo 04/06/2022
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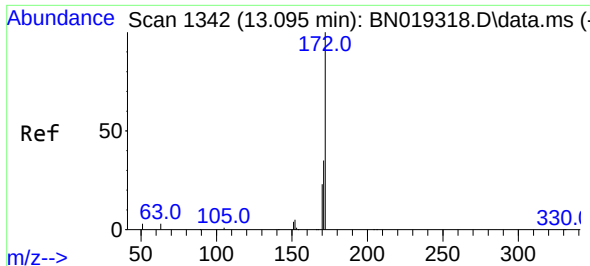


#14
2,4,6-Tribromophenol
Concen: 0.057 ng
RT: 15.954 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40



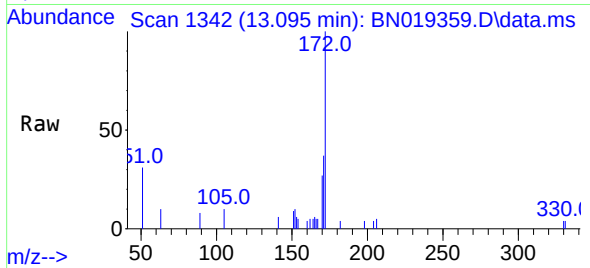
Tgt Ion:330 Resp: 249
Ion Ratio Lower Upper
330 100
332 96.8 76.8 115.2
141 47.8 32.2 48.2





#15
2-Fluorobiphenyl
Concen: 0.061 ng
RT: 13.095 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40

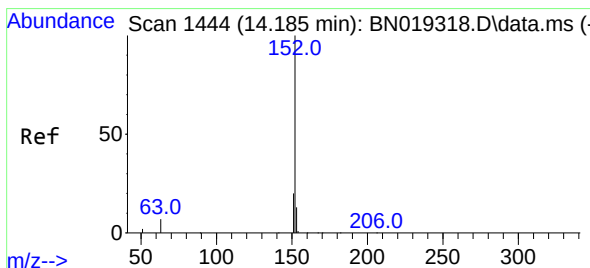
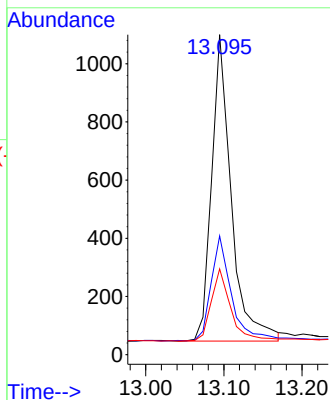
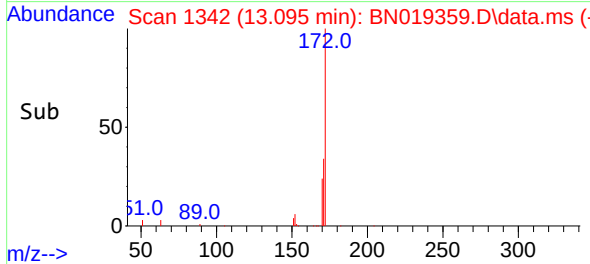
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Tgt Ion:	172	Resp:	1839
Ion Ratio	Lower	Upper	
172	100		
171	37.1	28.2	42.2
170	26.8	18.7	28.1

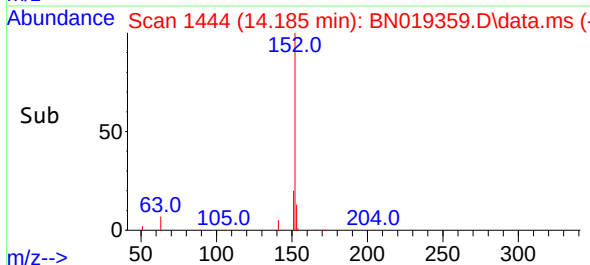
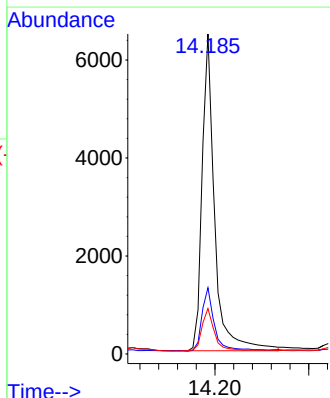
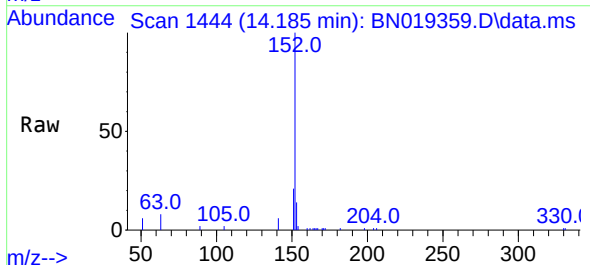
Manual Integrations
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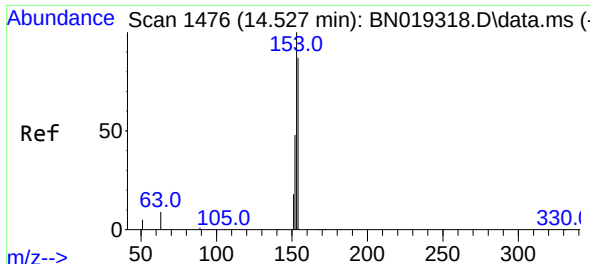
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#16
Acenaphthylene
Concen: 0.335 ng
RT: 14.185 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40

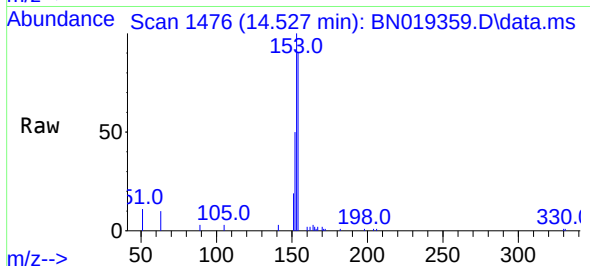
Tgt Ion:	152	Resp:	11987
Ion Ratio	Lower	Upper	
152	100		
151	20.2	15.9	23.9
153	13.3	10.6	15.8





#17
Acenaphthene
Concen: 0.236 ng
RT: 14.527 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40

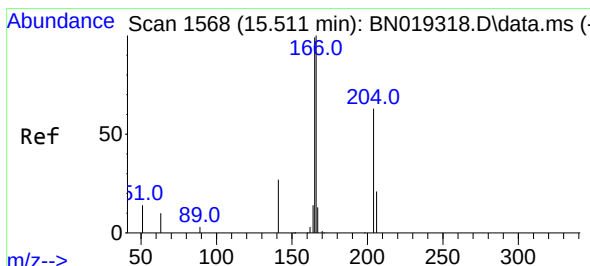
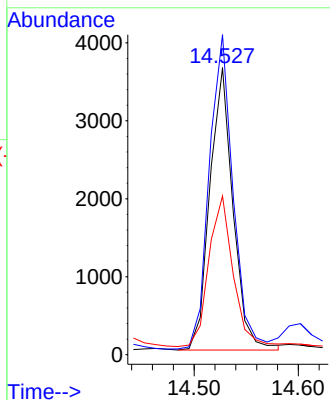
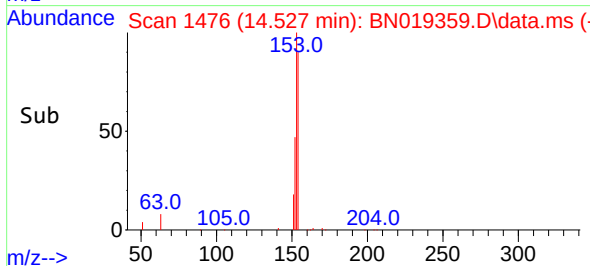
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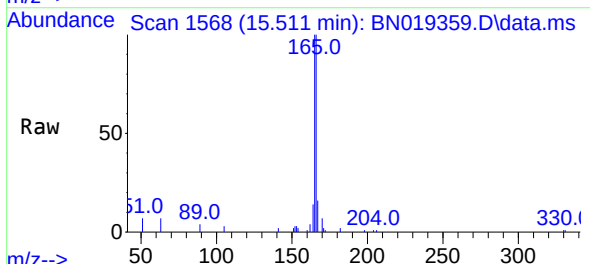
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Ion Ratio Lower Upper
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153 113.3 89.7 134.5
152 57.4 44.7 67.1

Manual Integrations
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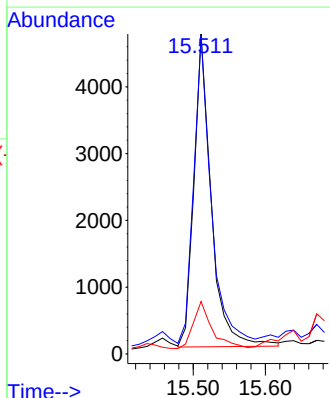
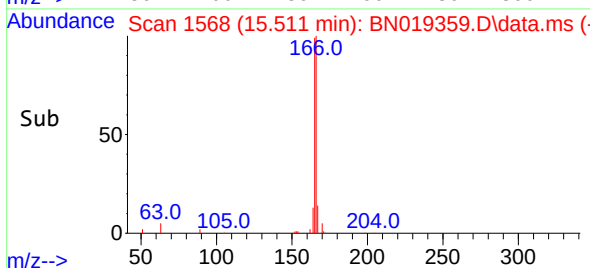
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

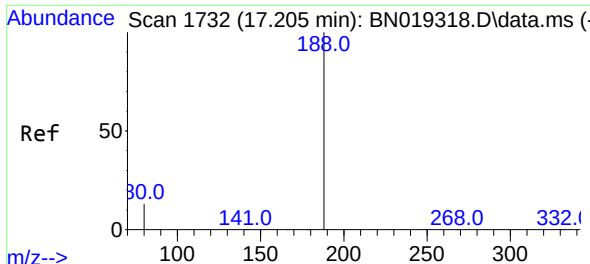


#18
Fluorene
Concen: 0.249 ng
RT: 15.511 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40



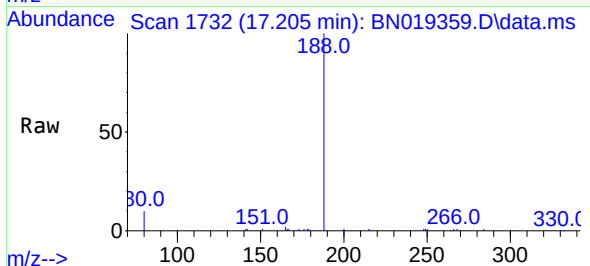
Tgt Ion:166 Resp: 7820
Ion Ratio Lower Upper
166 100
165 99.0 79.2 118.8
167 16.2 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40

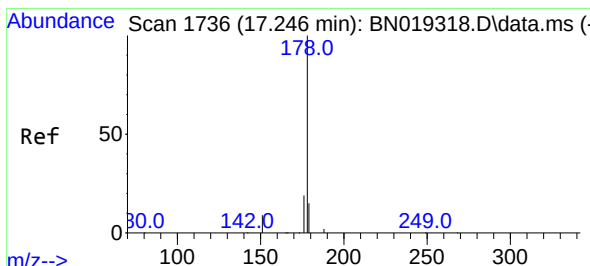
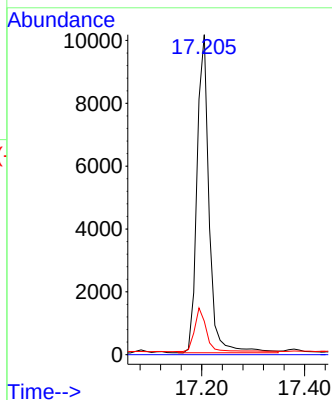
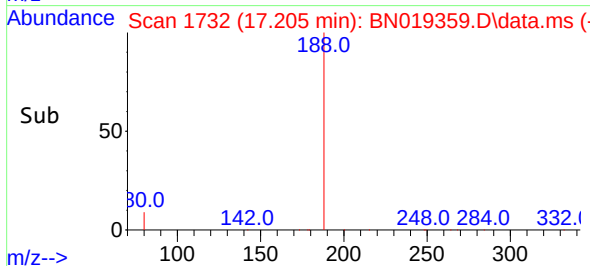
Instrument :
BNA_N
ClientSampleId :
A06015



Tgt Ion:188 Resp: 1648
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.4 11.8 17.8

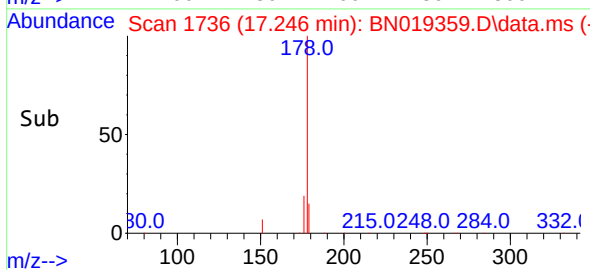
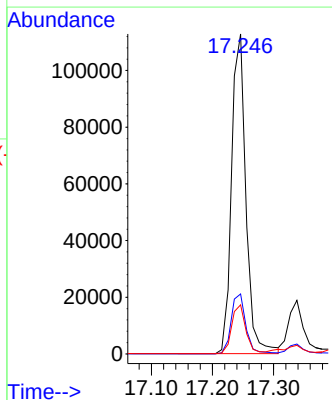
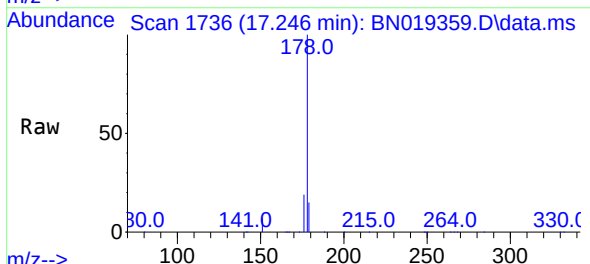
Manual Integrations
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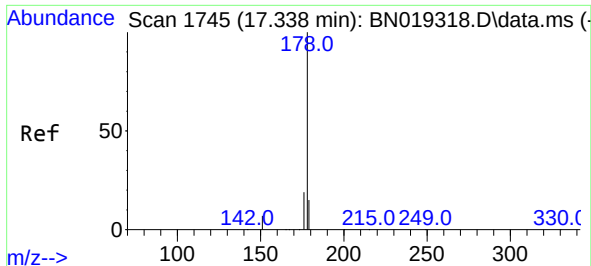
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#25
Phenanthrene
Concen: 3.335 ng
RT: 17.246 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40

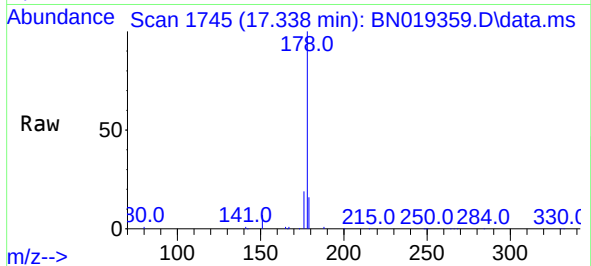
Tgt Ion:178 Resp: 184492
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.1 12.2 18.2





#26
 Anthracene
 Concen: 0.693 ng
 RT: 17.338 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN019359.D
 Acq: 05 Apr 2022 20:40

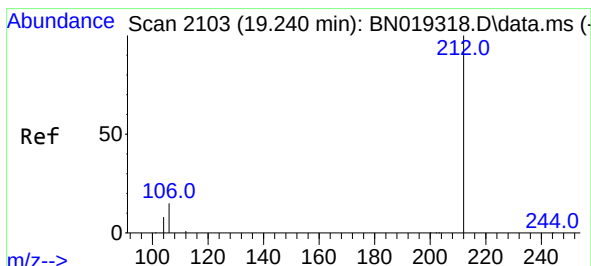
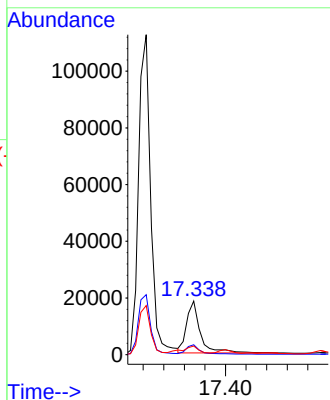
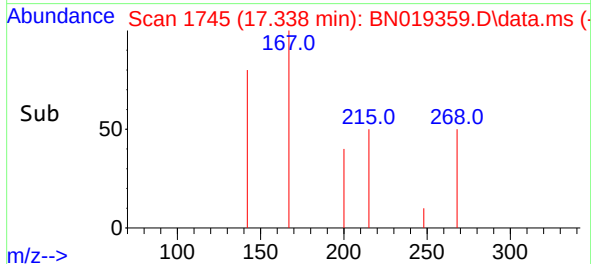
Instrument :
 BNA_N
 ClientSampleId :
 A06015



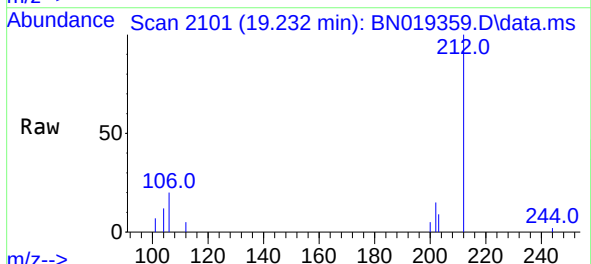
Tgt Ion:178 Resp: 33689
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.8 22.2
 179 15.5 12.2 18.4

Manual Integrations
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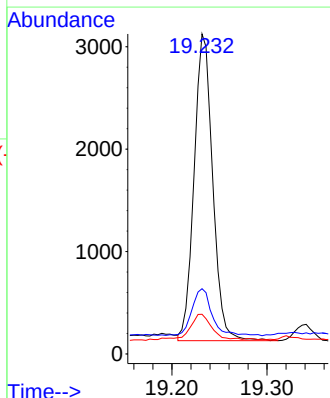
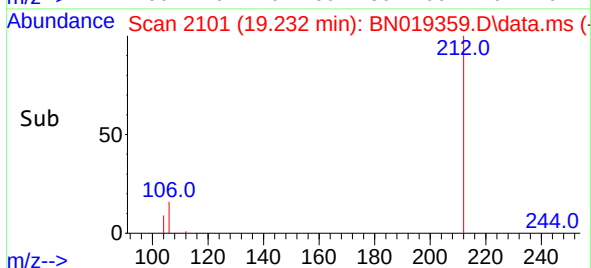
Reviewed By :Christian Giraldo 04/06/2022
 Supervised By :Jagrut Upadhyay 04/07/2022

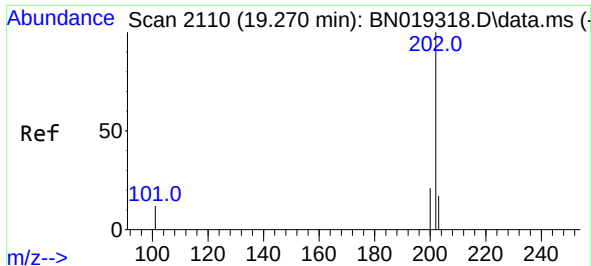


#27
 Fluoranthene-d10
 Concen: 0.077 ng
 RT: 19.232 min Scan# 2101
 Delta R.T. -0.008 min
 Lab File: BN019359.D
 Acq: 05 Apr 2022 20:40



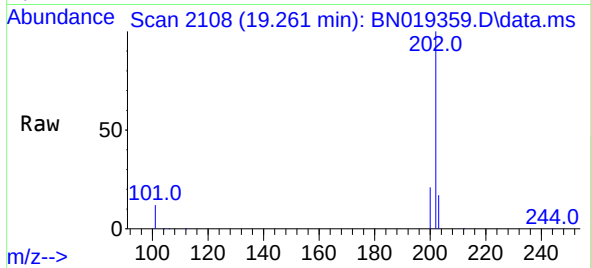
Tgt Ion:212 Resp: 4069
 Ion Ratio Lower Upper
 212 100
 106 16.7 12.7 19.1
 104 10.4 7.1 10.7





#28
Fluoranthene
Concen: 5.283 ng
RT: 19.261 min Scan# 2110
Delta R.T. -0.008 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40

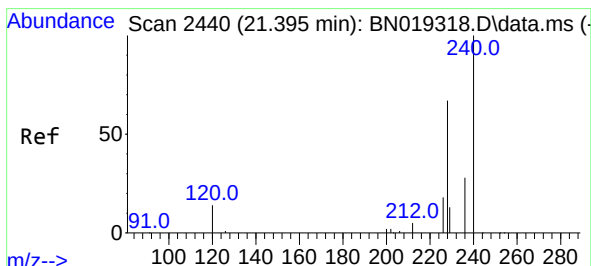
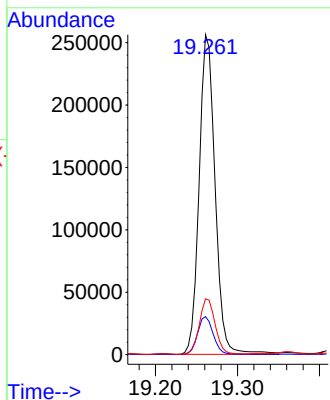
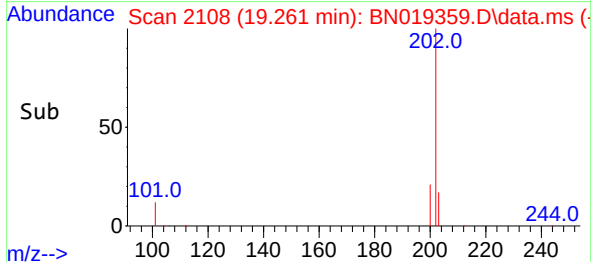
Instrument :
BNA_N
ClientSampleId :
A06015



Tgt Ion:202 Resp: 34658
Ion Ratio Lower Upper
202 100
101 11.7 9.8 14.6
203 17.2 13.7 20.5

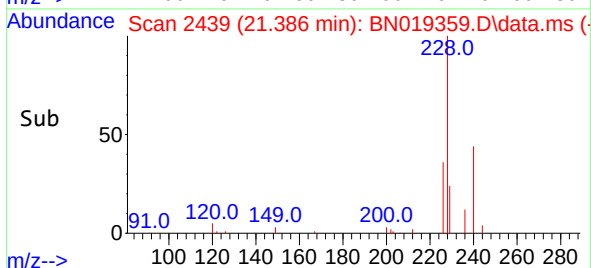
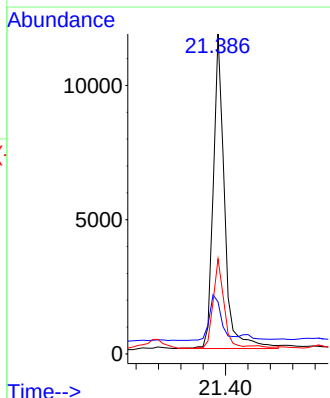
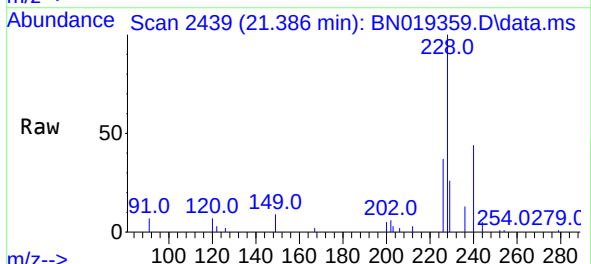
Manual Integrations
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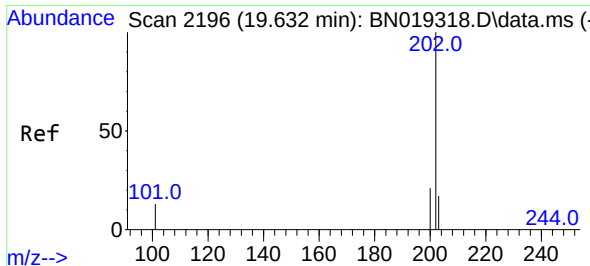
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.386 min Scan# 2439
Delta R.T. -0.009 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40

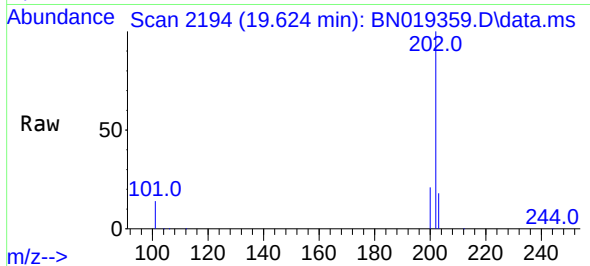
Tgt Ion:240 Resp: 16397
Ion Ratio Lower Upper
240 100
120 16.2 8.5 12.7#
236 29.8 22.4 33.6





#30
Pyrene
Concen: 3.930 ng
RT: 19.624 min Scan# 2196
Delta R.T. -0.008 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40

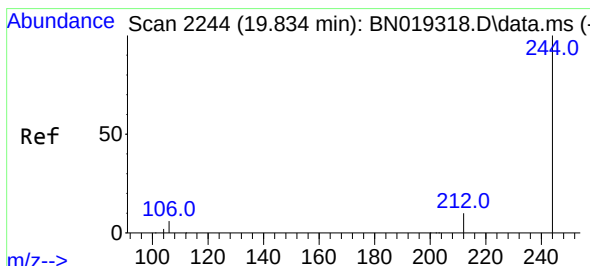
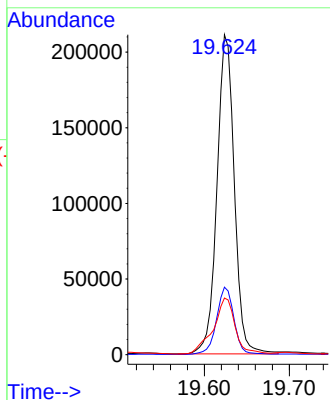
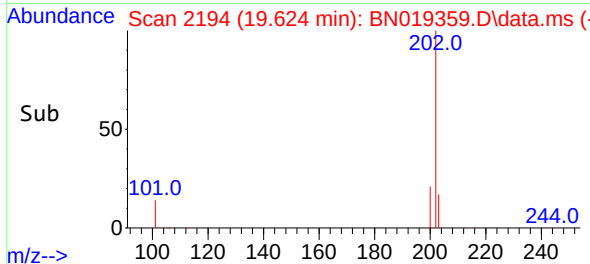
Instrument :
BNA_N
ClientSampleId :
A06015



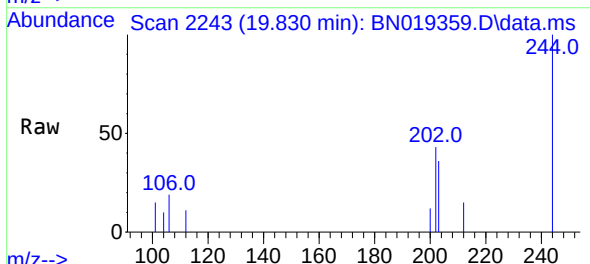
Tgt Ion:202 Resp: 299807
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 22.0 14.2 21.2

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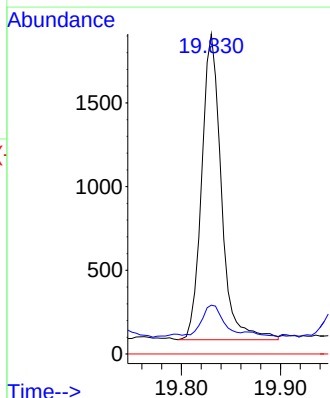
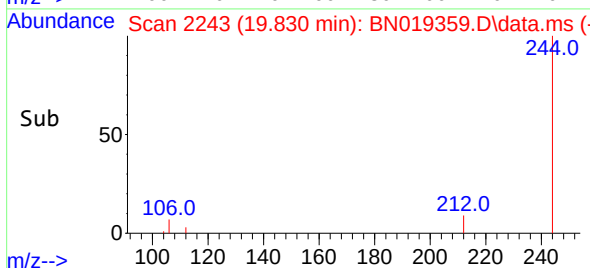
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

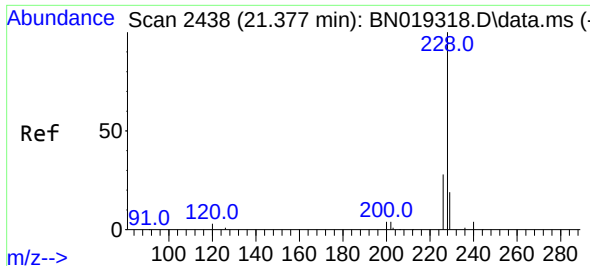


#31
Terphenyl-d14
Concen: 0.071 ng
RT: 19.830 min Scan# 2243
Delta R.T. -0.004 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40



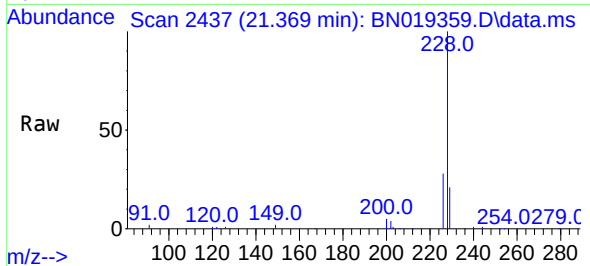
Tgt Ion:244 Resp: 2522
Ion Ratio Lower Upper
244 100
212 15.3 8.2 12.4#
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 2.597 ng
RT: 21.369 min Scan# 2438
Delta R.T. -0.009 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40

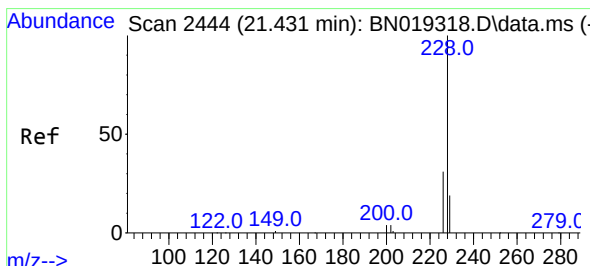
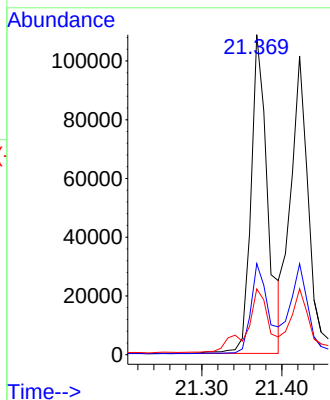
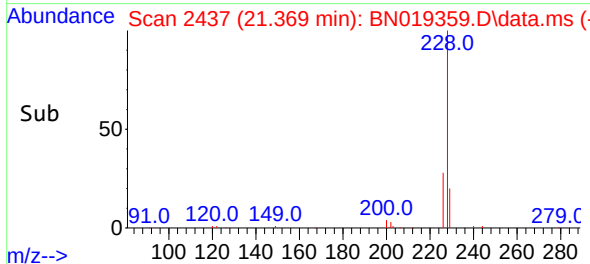
Instrument :
BNA_N
ClientSampleId :
A06015



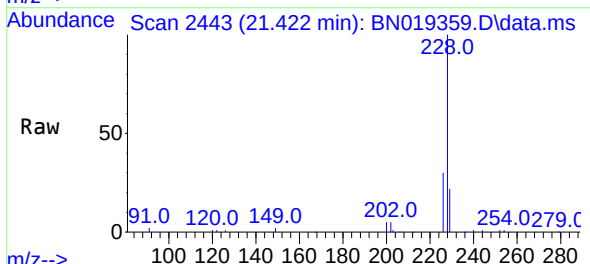
Tgt Ion:228 Resp: 157369
Ion Ratio Lower Upper
228 100
226 28.4 21.9 32.9
229 20.6 16.0 24.0

Manual Integrations
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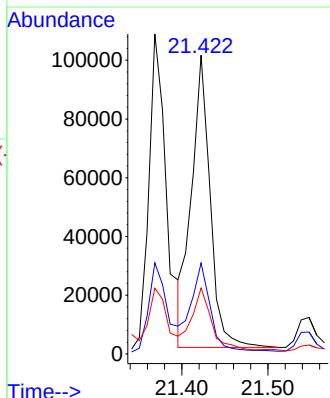
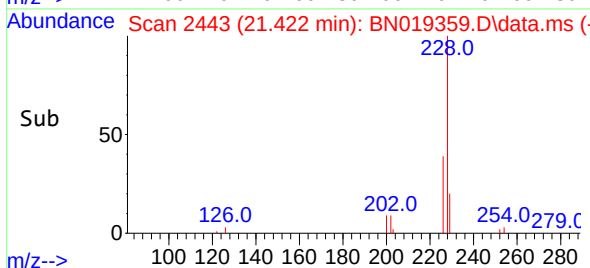
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

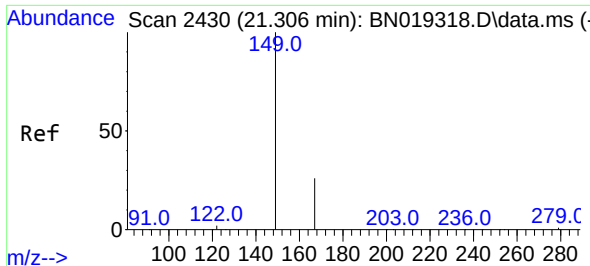


#33
Chrysene
Concen: 2.246 ng
RT: 21.422 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40



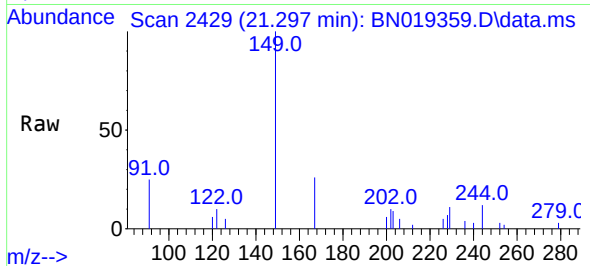
Tgt Ion:228 Resp: 151162
Ion Ratio Lower Upper
228 100
226 30.4 24.0 36.0
229 22.1 15.9 23.9





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.190 ng
RT: 21.297 min Scan# 2430
Delta R.T. -0.009 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40

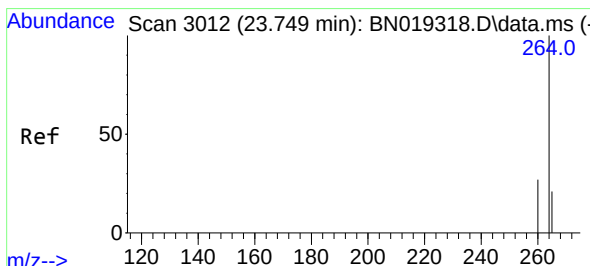
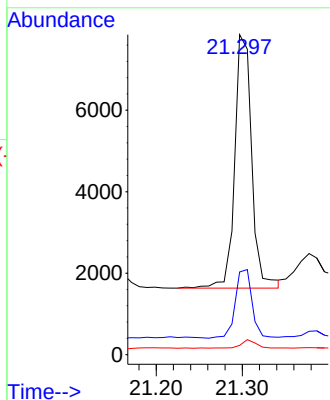
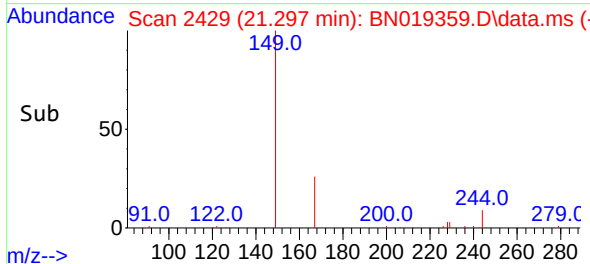
Instrument :
BNA_N
ClientSampleId :
A06015



Tgt Ion:149 Resp: 856
Ion Ratio Lower Upper
149 100
167 26.6 21.8 32.8
279 3.4 2.0 3.0

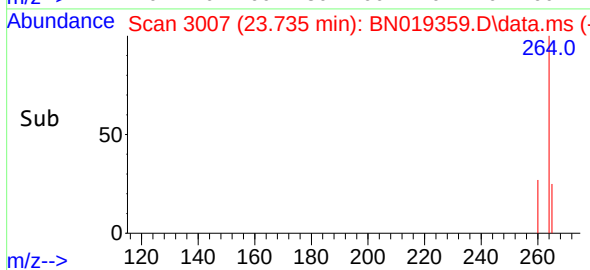
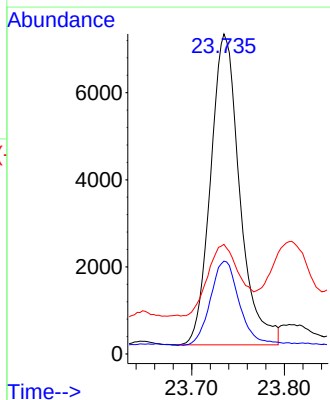
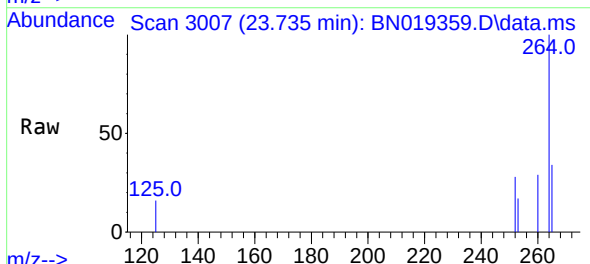
Manual Integrations
APPROVED

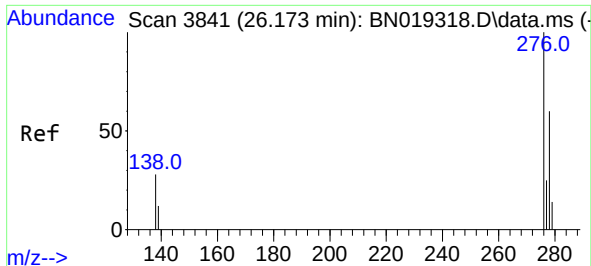
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.735 min Scan# 3007
Delta R.T. -0.015 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40

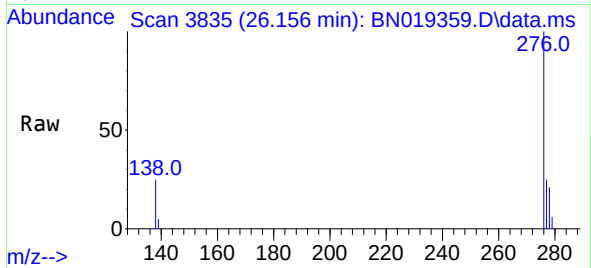
Tgt Ion:264 Resp: 15597
Ion Ratio Lower Upper
264 100
260 29.0 22.4 33.6
265 34.3 25.3 37.9





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.297 ng
RT: 26.156 min Scan# 3841
Delta R.T. -0.018 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40

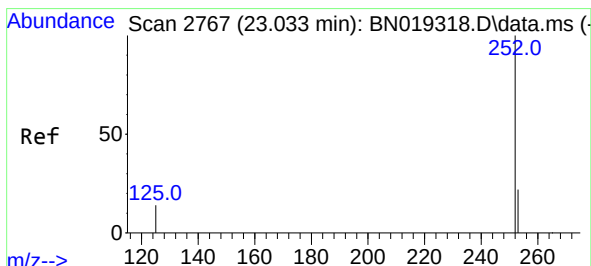
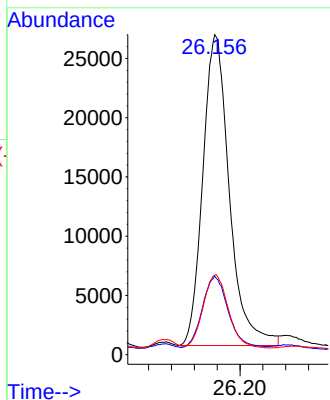
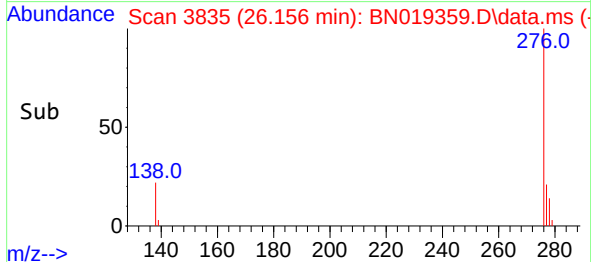
Instrument :
BNA_N
ClientSampleId :
A06015



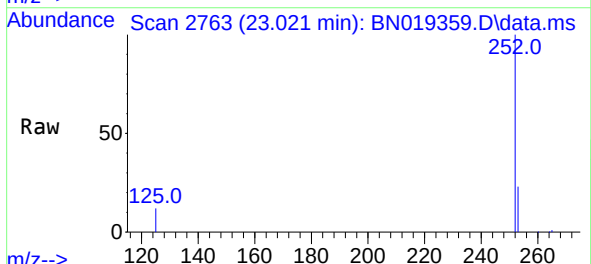
Tgt Ion:276 Resp: 84644
Ion Ratio Lower Upper
276 100
138 22.0 24.5 36.7
277 22.4 19.8 29.8

Manual Integrations
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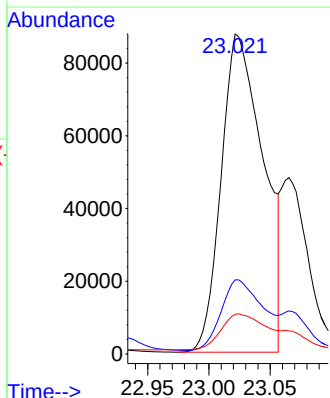
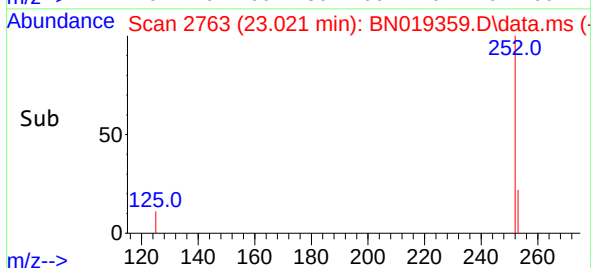
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

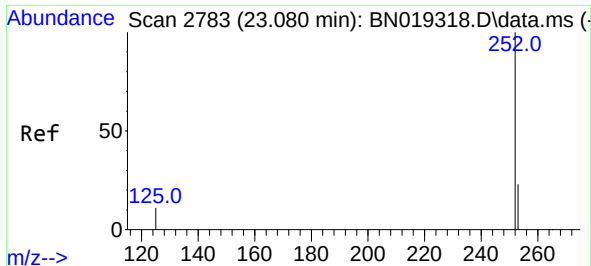


#37
Benzo(b)fluoranthene
Concen: 3.420 ng
RT: 23.021 min Scan# 2763
Delta R.T. -0.012 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40



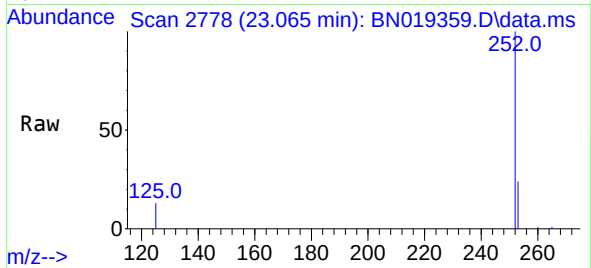
Tgt Ion:252 Resp: 209051
Ion Ratio Lower Upper
252 100
253 23.2 18.9 28.3
125 12.4 12.1 18.1





#38
Benzo(k)fluoranthene
Concen: 1.133 ng m
RT: 23.065 min Scan# 21
Delta R.T. -0.015 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40

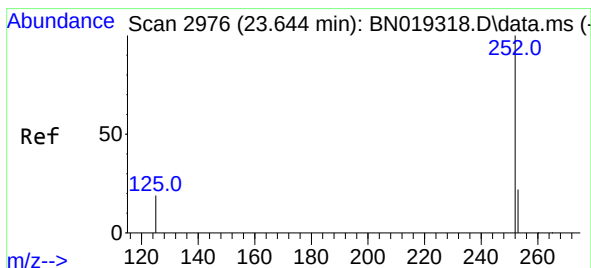
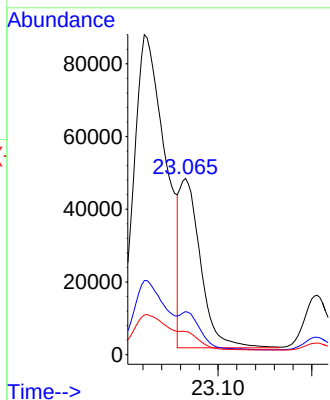
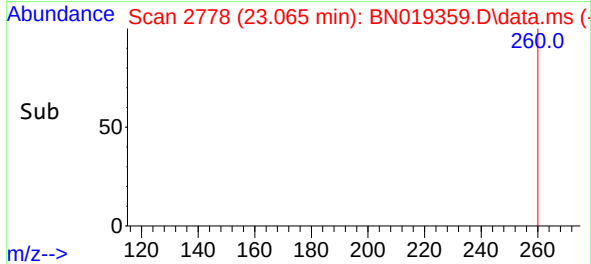
Instrument :
BNA_N
ClientSampleId :
A06015



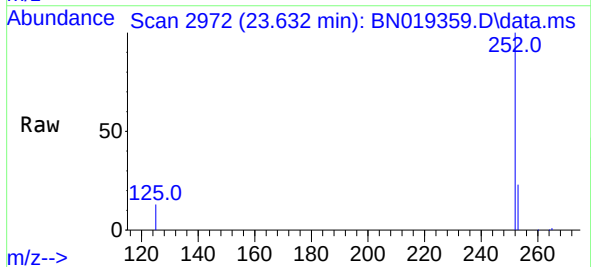
Tgt Ion:252 Resp: 72340
Ion Ratio Lower Upper
252 100
253 24.5 18.9 28.3
125 13.1 10.3 15.5

Manual Integrations
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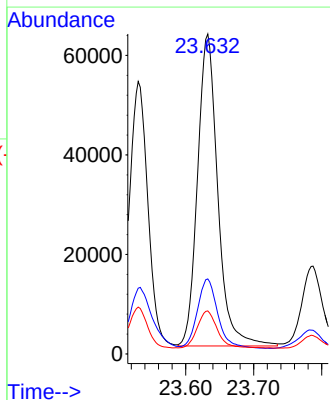
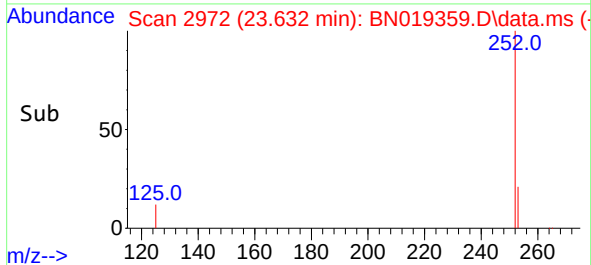
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022

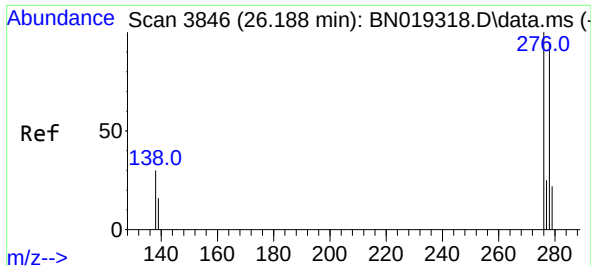


#39
Benzo(a)pyrene
Concen: 2.359 ng m
RT: 23.632 min Scan# 2972
Delta R.T. -0.012 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40



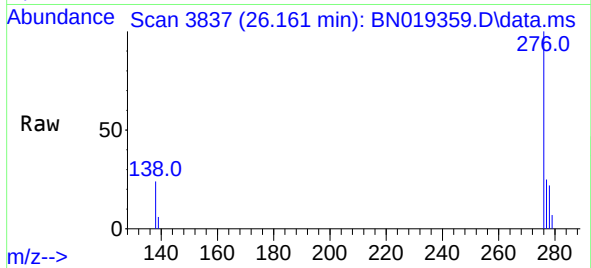
Tgt Ion:252 Resp: 129556
Ion Ratio Lower Upper
252 100
253 23.5 20.1 30.1
125 13.5 15.2 22.8#





#40
Dibenzo(a,h)anthracene
Concen: 0.358 ng
RT: 26.161 min Scan# 3846
Delta R.T. -0.026 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40

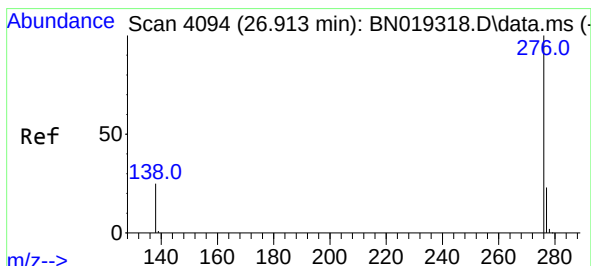
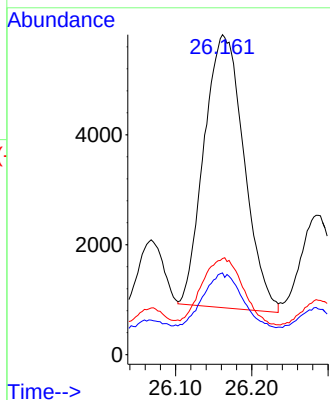
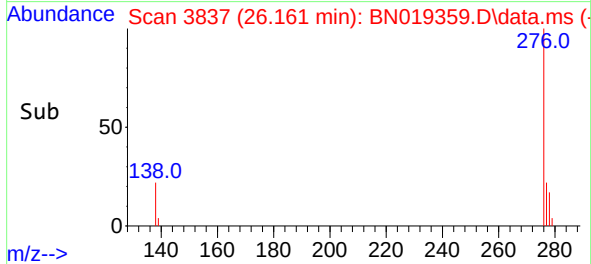
Instrument :
BNA_N
ClientSampleId :
A06015



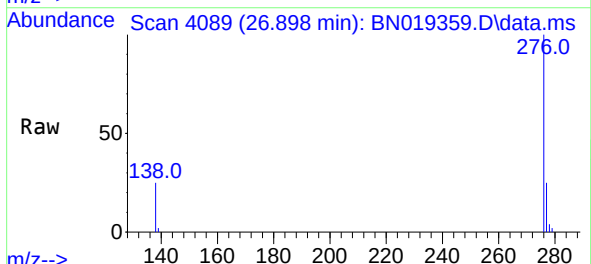
Tgt Ion:278 Resp: 18070
Ion Ratio Lower Upper
278 100
139 25.6 17.2 25.8
279 30.0 19.9 29.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#41
Benzo(g,h,i)perylene
Concen: 1.459 ng
RT: 26.898 min Scan# 4089
Delta R.T. -0.015 min
Lab File: BN019359.D
Acq: 05 Apr 2022 20:40



Tgt Ion:276 Resp: 88327
Ion Ratio Lower Upper
276 100
277 24.7 19.4 29.0
138 24.7 21.0 31.6

