

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040522\
 Data File : BN019363.D
 Acq On : 05 Apr 2022 23:04
 Operator : CG/JU
 Sample : N2237-07DL 25X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A01040DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/08/2022
 Supervised By : Jagrut Upadhyay 04/08/2022

Quant Time: Apr 06 02:32:28 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	7.832	152	3831	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	12411	0.400	ng	# 0.01
13) Acenaphthene-d10	14.463	164	8421	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	18695	0.400	ng	# 0.00
29) Chrysene-d12	21.386	240	17876	0.400	ng	# 0.00
35) Perylene-d12	23.735	264	14666	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	46	0.004	ng	0.00
5) Phenol-d6	7.002	99	36	0.003	ng	0.01
8) Nitrobenzene-d5	9.056	82	76m	0.007	ng	0.07
11) 2-Methylnaphthalene-d10	12.238	152	92	0.004	ng	0.01
14) 2,4,6-Tribromophenol	15.964	330	21	0.004	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	137	0.004	ng	0.01
27) Fluoranthene-d10	19.236	212	137	0.002	ng	0.00
31) Terphenyl-d14	19.826	244	467	0.012	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.679	128	2517	0.069	ng	# 89
12) 2-Methylnaphthalene	12.306	142	946	0.037	ng	# 87
16) Acenaphthylene	14.185	152	15494	0.371	ng	100
17) Acenaphthene	14.527	154	4995	0.180	ng	98
18) Fluorene	15.510	166	9870	0.269	ng	98
25) Phenanthrene	17.246	178	249150	3.972	ng	100
26) Anthracene	17.338	178	55125	0.999	ng	97
28) Fluoranthene	19.265	202	578314	7.774	ng	99
30) Pyrene	19.628	202	486351	5.847	ng	# 95
32) Benzo(a)anthracene	21.368	228	289214	4.379	ng	99
33) Chrysene	21.422	228	252318	3.438	ng	98
36) Indeno(1,2,3-cd)pyrene	26.155	276	87627	1.427	ng	# 90
37) Benzo(b)fluoranthene	23.024	252	279402m	4.862	ng	
38) Benzo(k)fluoranthene	23.065	252	93345m	1.554	ng	
39) Benzo(a)pyrene	23.632	252	174059m	3.371	ng	
40) Dibenzo(a,h)anthracene	26.167	278	21298	0.448	ng	# 92
41) Benzo(g,h,i)perylene	26.898	276	86435	1.519	ng	98

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

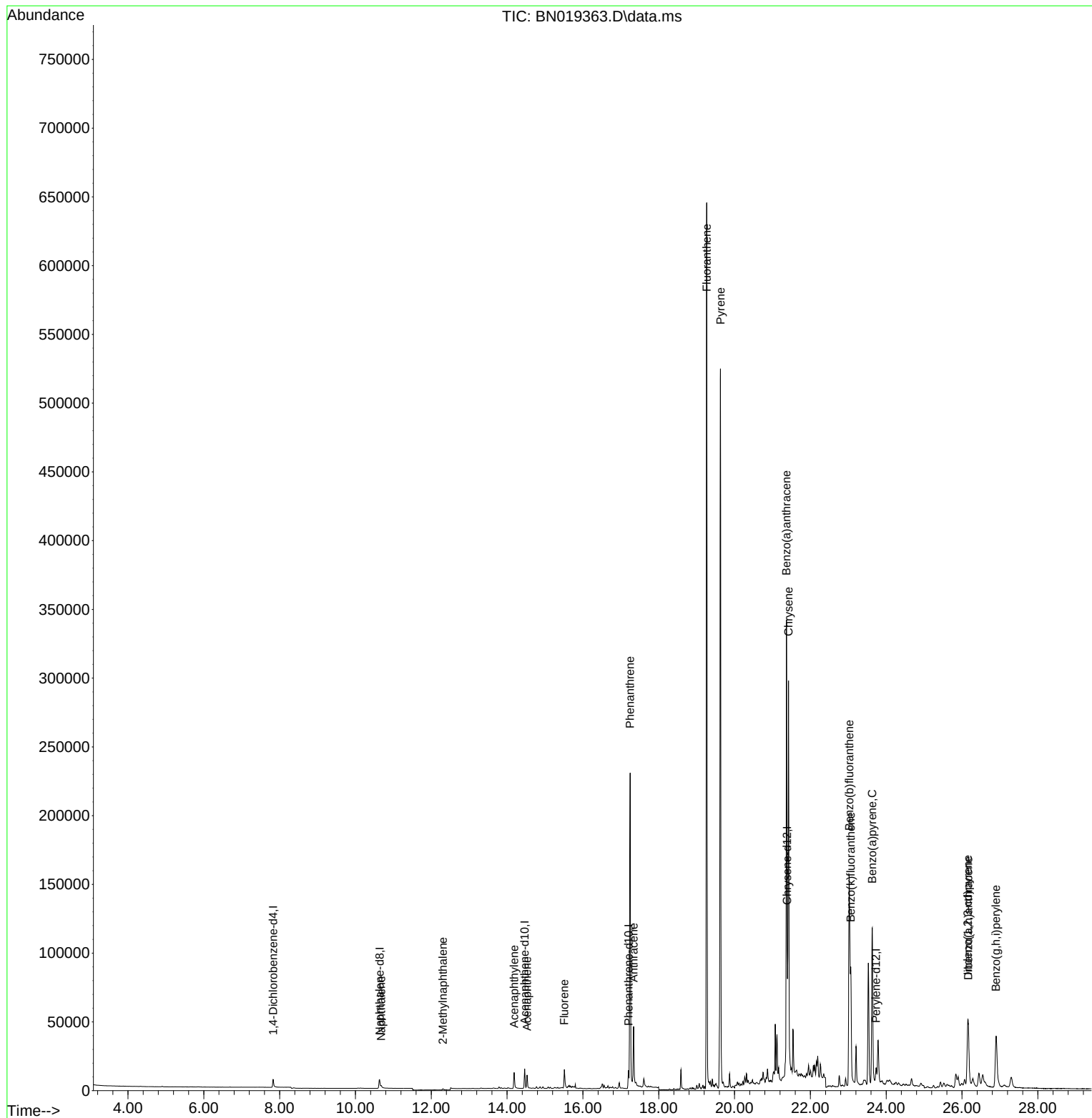
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040522\
Data File : BN019363.D
Acq On : 05 Apr 2022 23:04
Operator : CG/JU
Sample : N2237-07DL 25X
Misc :
ALS Vial : 17 Sample Multiplier: 1

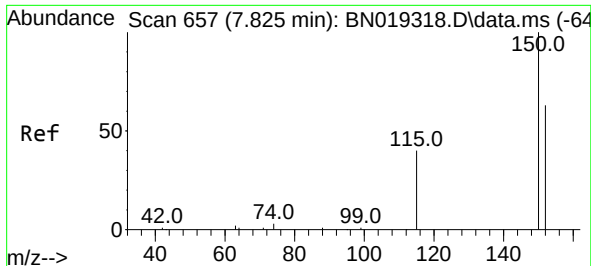
Instrument :
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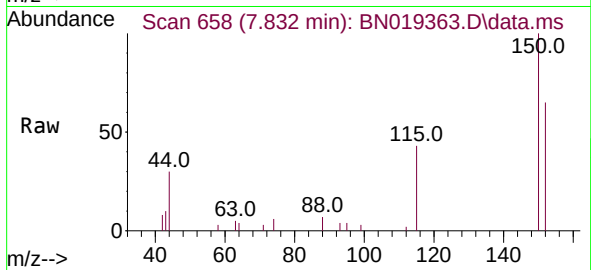
Quant Time: Apr 06 02:32:28 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 04 17:40:00 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.832 min Scan# 657
Delta R.T. 0.007 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04

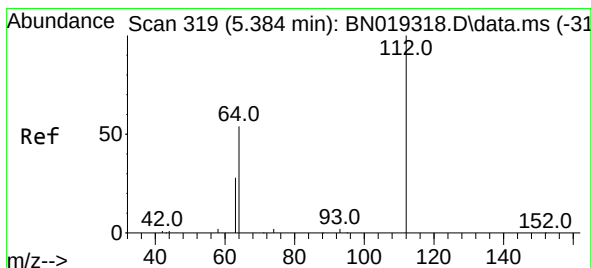
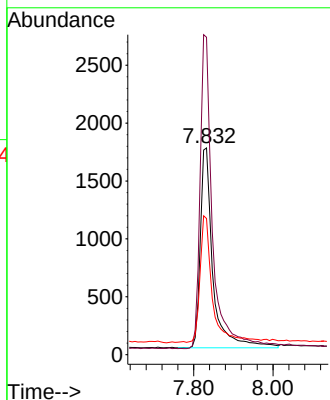
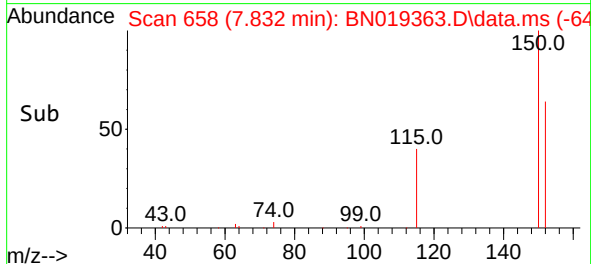
Instrument :
BNA_N
ClientSampleId :
A01040DL



Tgt Ion:152 Resp: 383
Ion Ratio Lower Upper
152 100
150 153.6 123.9 185.9
115 65.9 48.2 72.4

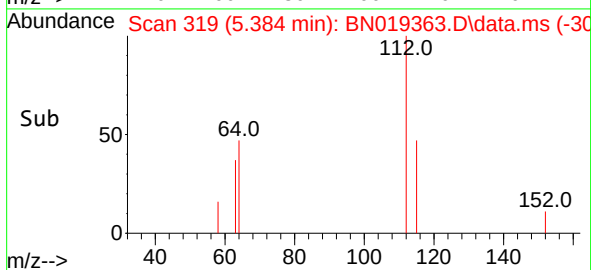
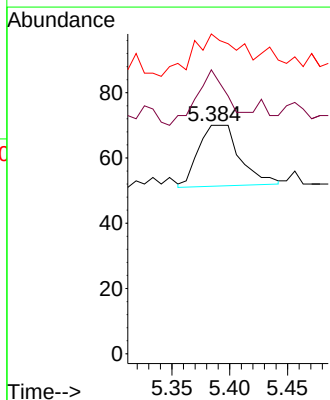
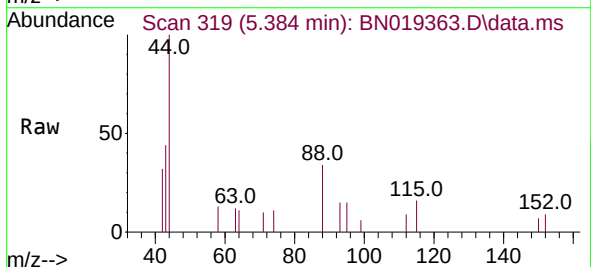
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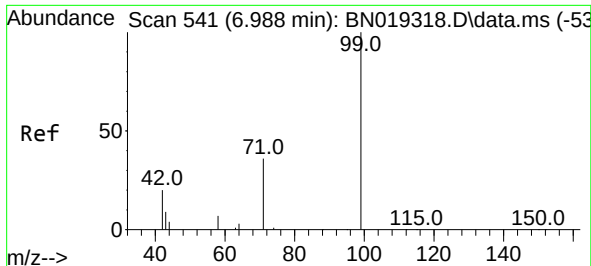
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#4
2-Fluorophenol
Concen: 0.004 ng
RT: 5.384 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04

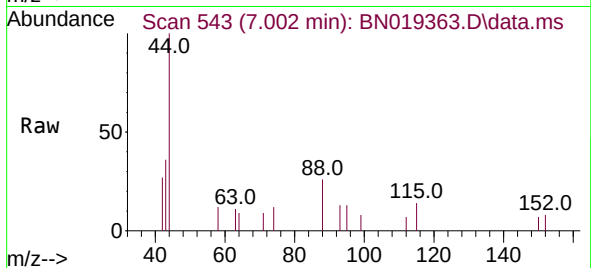
Tgt Ion:112 Resp: 46
Ion Ratio Lower Upper
112 100
64 69.6 47.8 71.8
63 80.4 25.7 38.5





#5
Phenol-d6
Concen: 0.003 ng
RT: 7.002 min Scan# 541
Delta R.T. 0.014 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04

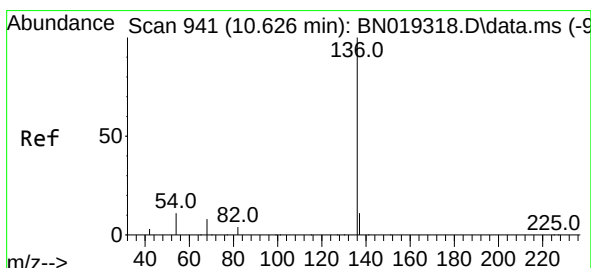
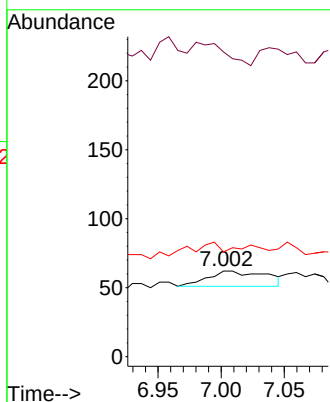
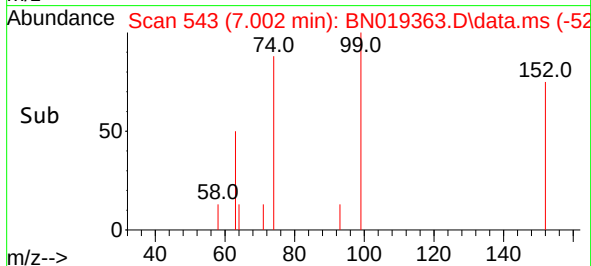
Instrument :
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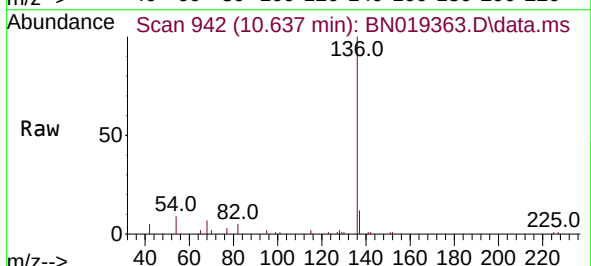
Tgt Ion: 99 Resp: 30
Ion Ratio Lower Upper
99 100
42 0.0 16.2 24.4#
71 63.9 27.7 41.5#

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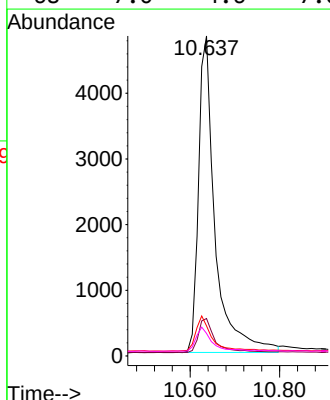
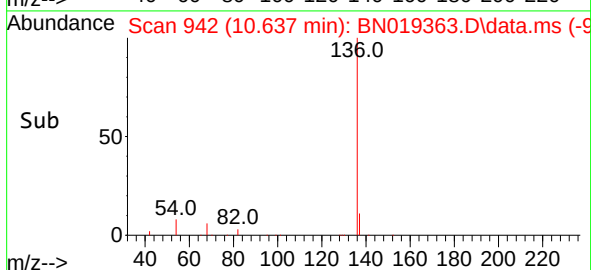
Reviewed By :Christian Giraldo 04/08/2022
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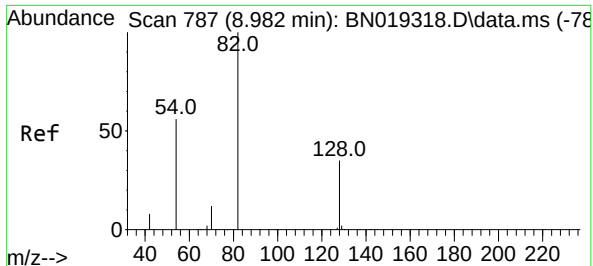


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 942
Delta R.T. 0.010 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04



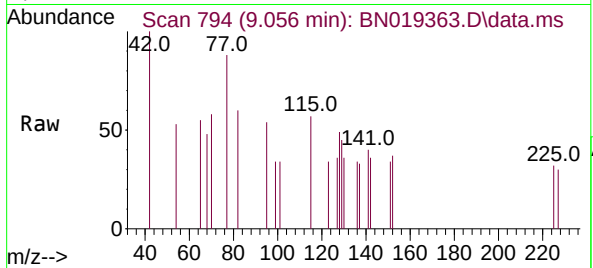
Tgt Ion:136 Resp: 12411
Ion Ratio Lower Upper
136 100
137 11.7 9.0 13.4
54 9.4 5.8 8.6#
68 7.0 4.6 7.0#





#8
Nitrobenzene-d5
Concen: 0.007 ng m
RT: 9.056 min Scan# 787
Delta R.T. 0.074 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04

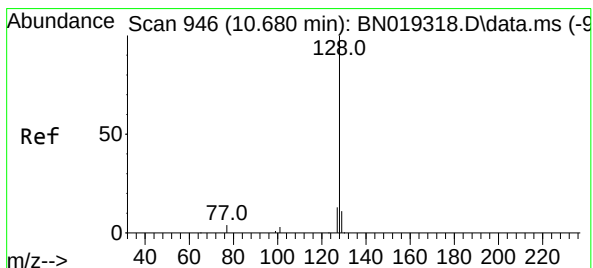
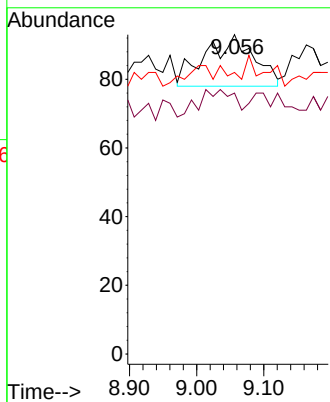
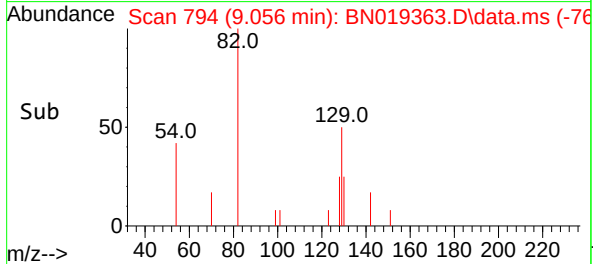
Instrument :
BNA_N
ClientSampleId :
A01040DL



Tgt Ion: 82 Resp: 70
Ion Ratio Lower Upper
82 100
128 81.7 33.0 49.6#
54 88.2 42.5 63.7#

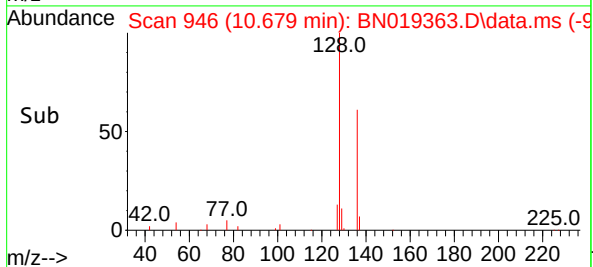
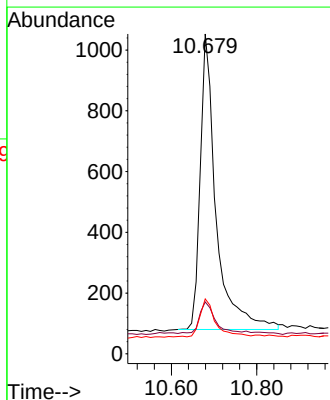
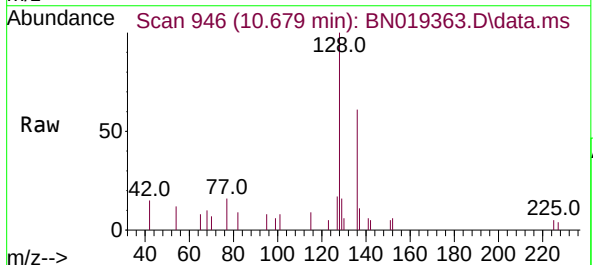
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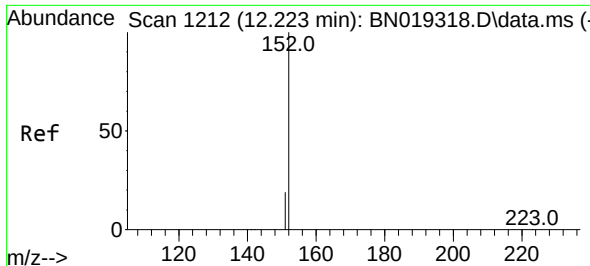
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#9
Naphthalene
Concen: 0.069 ng
RT: 10.679 min Scan# 946
Delta R.T. -0.000 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04

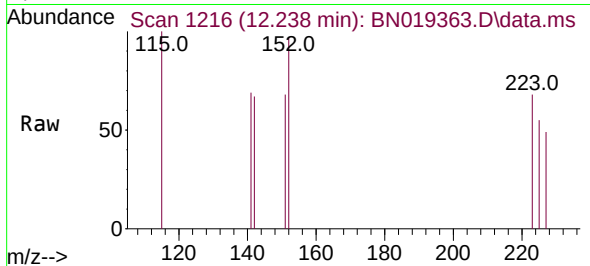
Tgt Ion:128 Resp: 2517
Ion Ratio Lower Upper
128 100
129 16.2 9.0 13.4#
127 17.2 10.7 16.1#





#11
2-Methylnaphthalene-d10
Concen: 0.004 ng
RT: 12.238 min Scan# 11
Delta R.T. 0.015 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04

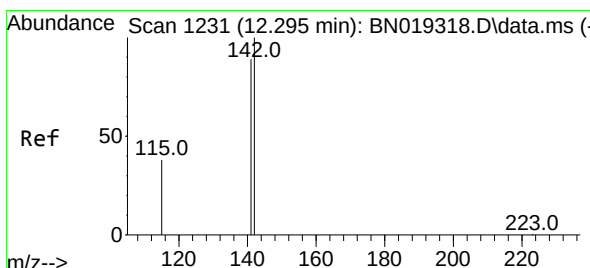
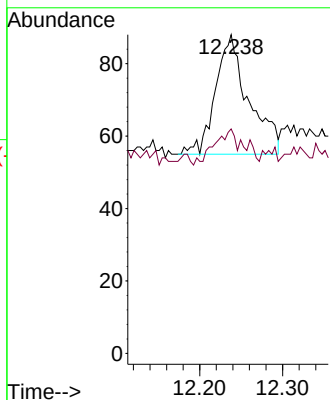
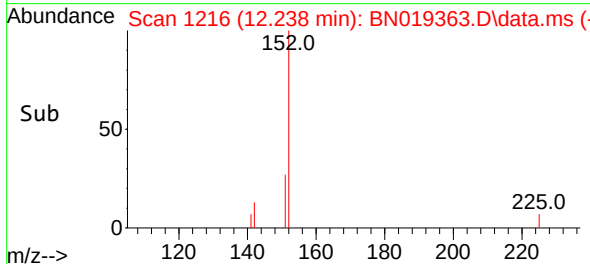
Instrument :
BNA_N
ClientSampleId :
A01040DL



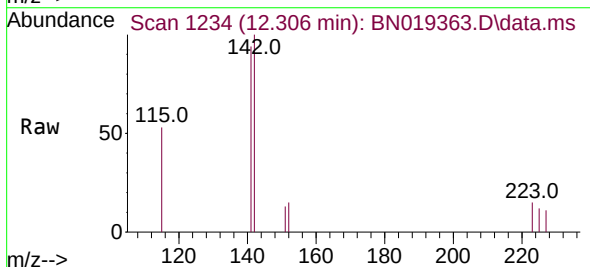
Tgt Ion:152 Resp: 92
Ion Ratio Lower Upper
152 100
151 22.8 16.5 24.7

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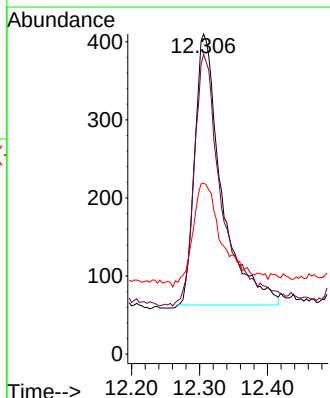
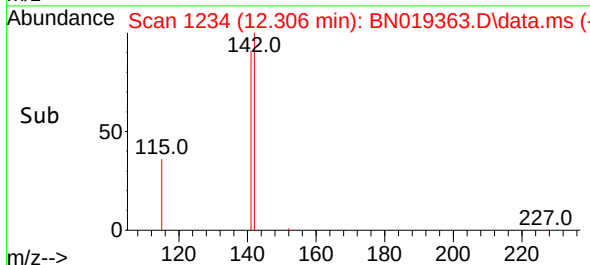
Reviewed By :Christian Giraldo 04/08/2022
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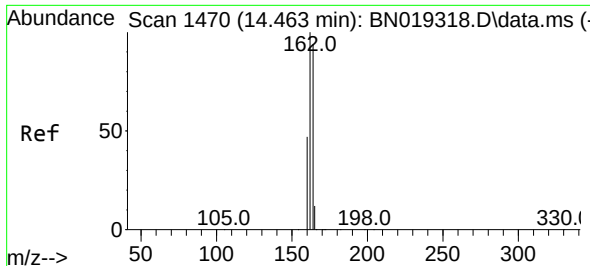


#12
2-Methylnaphthalene
Concen: 0.037 ng
RT: 12.306 min Scan# 1234
Delta R.T. 0.011 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04



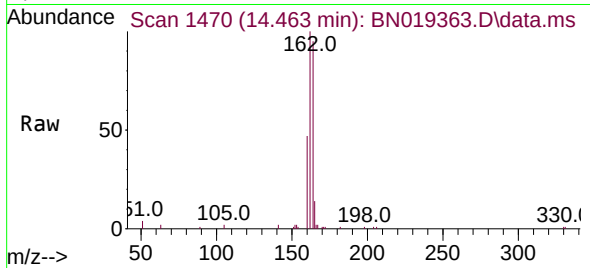
Tgt Ion:142 Resp: 946
Ion Ratio Lower Upper
142 100
141 93.7 70.0 105.0
115 53.4 29.8 44.8#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1470
Delta R.T. -0.000 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04

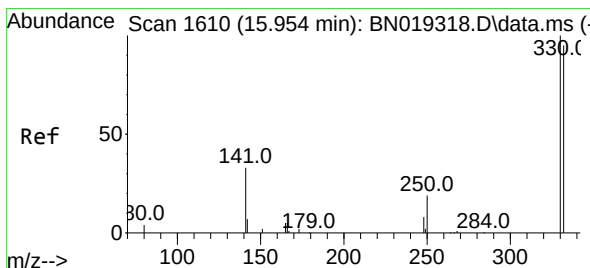
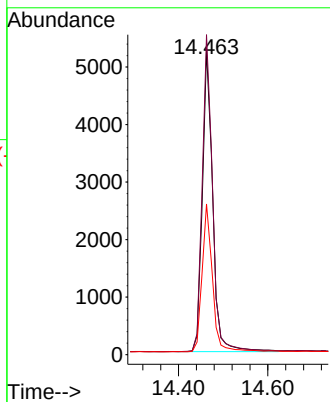
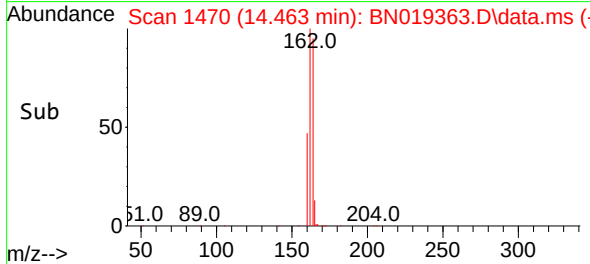
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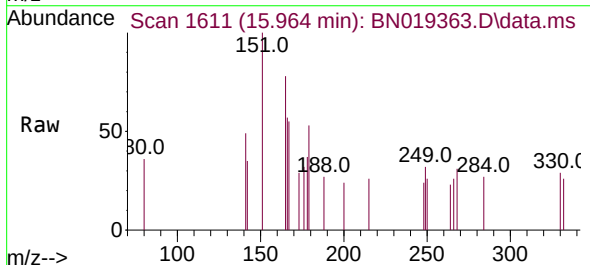
Tgt Ion:164 Resp: 842
Ion Ratio Lower Upper
164 100
162 105.4 85.2 127.8
160 49.6 41.5 62.3

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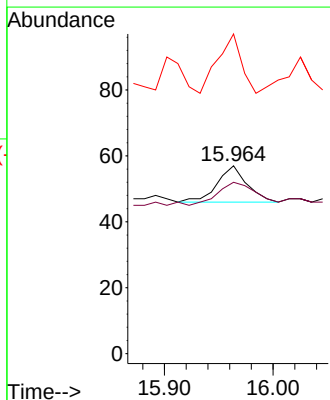
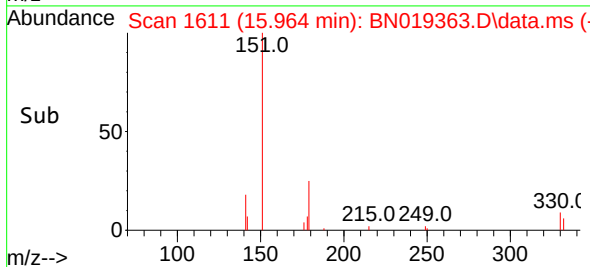
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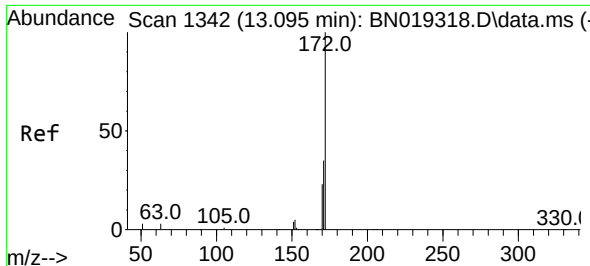


#14
2,4,6-Tribromophenol
Concen: 0.004 ng
RT: 15.964 min Scan# 1611
Delta R.T. 0.010 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04



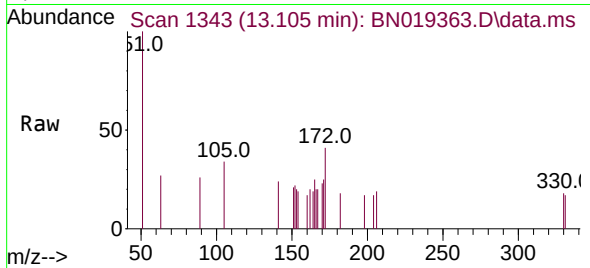
Tgt Ion:330 Resp: 21
Ion Ratio Lower Upper
330 100
332 85.7 76.8 115.2
141 128.6 32.2 48.2#





#15
2-Fluorobiphenyl
Concen: 0.004 ng
RT: 13.105 min Scan# 1342
Delta R.T. 0.010 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04

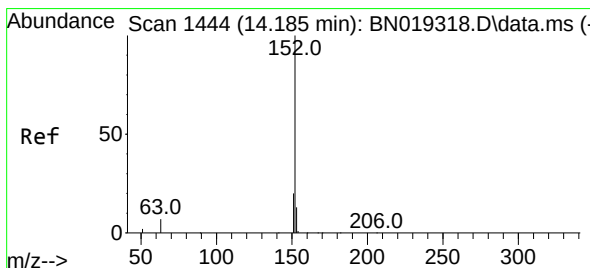
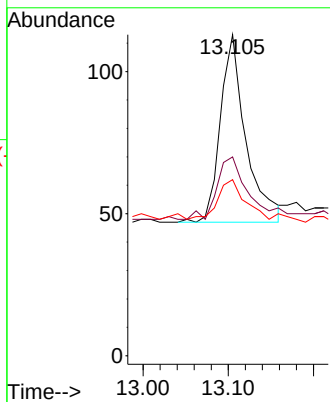
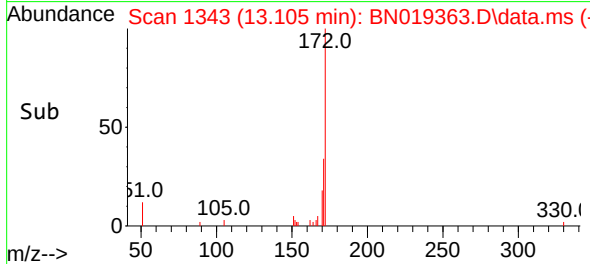
Instrument :
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ClientSampleId :
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Tgt Ion:172 Resp: 135
Ion Ratio Lower Upper
172 100
171 61.9 28.2 42.2
170 54.9 18.7 28.1

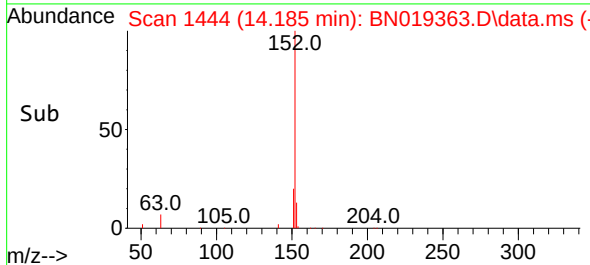
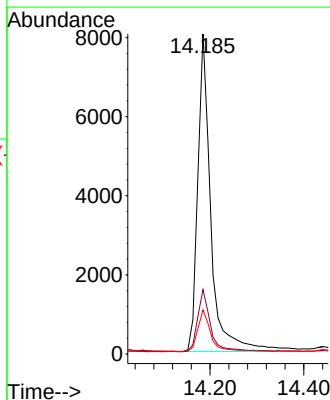
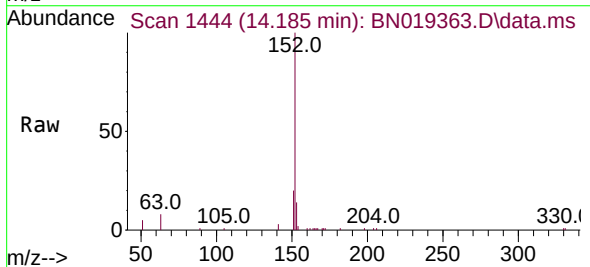
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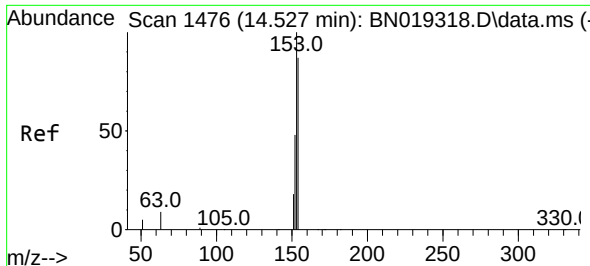
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#16
Acenaphthylene
Concen: 0.371 ng
RT: 14.185 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04

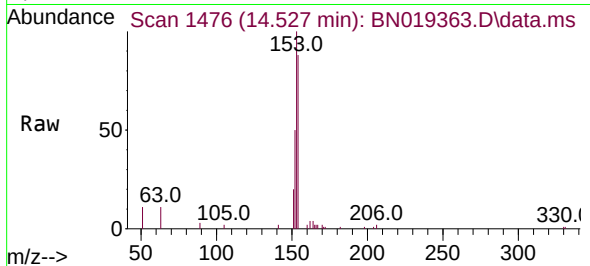
Tgt Ion:152 Resp: 15494
Ion Ratio Lower Upper
152 100
151 19.6 15.9 23.9
153 13.2 10.6 15.8





#17
Acenaphthene
Concen: 0.180 ng
RT: 14.527 min Scan# 1476
Delta R.T. -0.000 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04

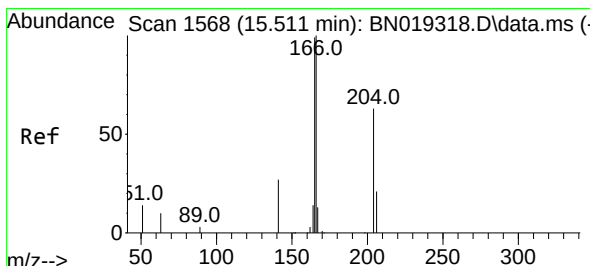
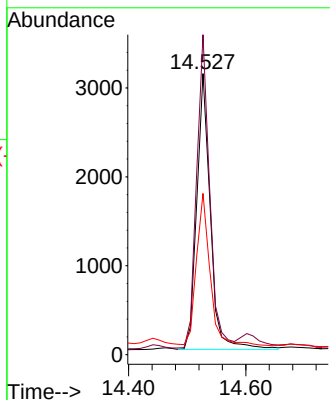
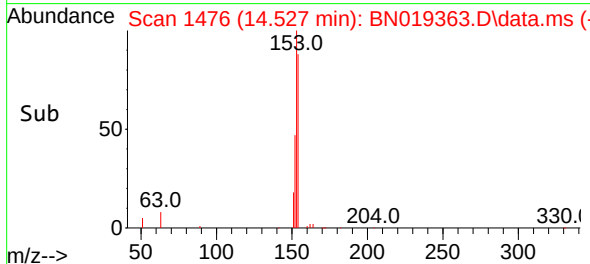
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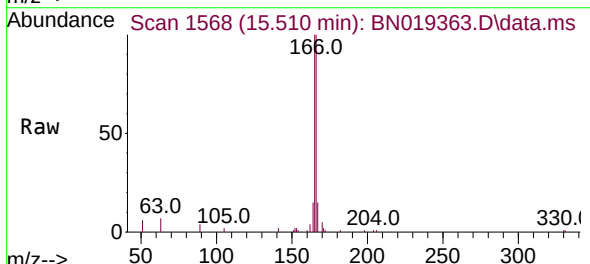
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Ion Ratio Lower Upper
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153 109.5 89.7 134.5
152 56.1 44.7 67.1

Manual Integrations
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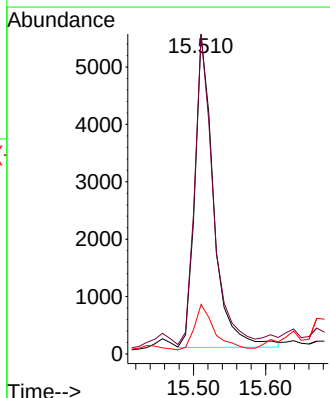
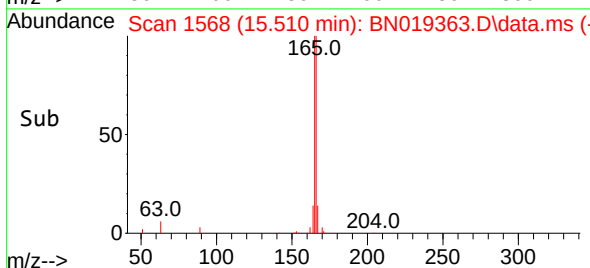
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022

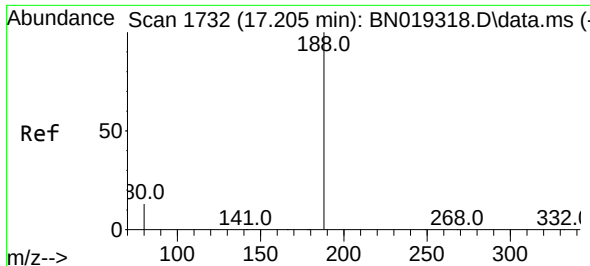


#18
Fluorene
Concen: 0.269 ng
RT: 15.510 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04



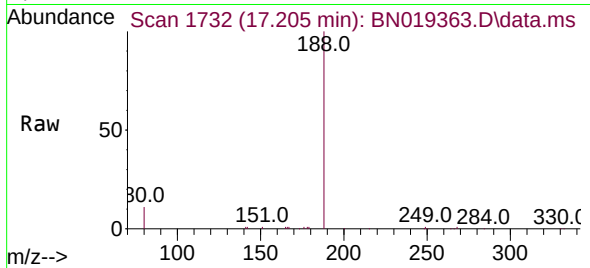
Tgt Ion:166 Resp: 9870
Ion Ratio Lower Upper
166 100
165 97.3 79.2 118.8
167 15.5 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1732
Delta R.T. -0.000 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04

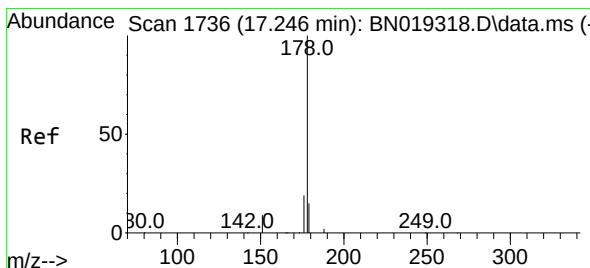
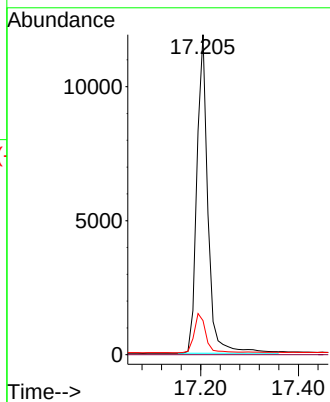
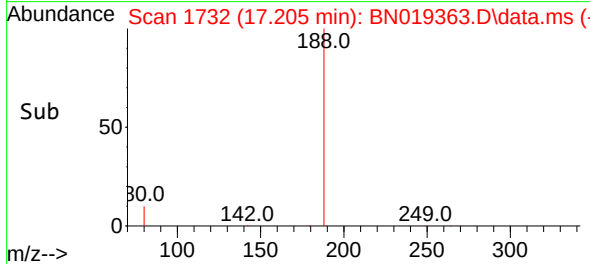
Instrument :
BNA_N
ClientSampleId :
A01040DL



Tgt Ion:188 Resp: 1869
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.6 11.8 17.8

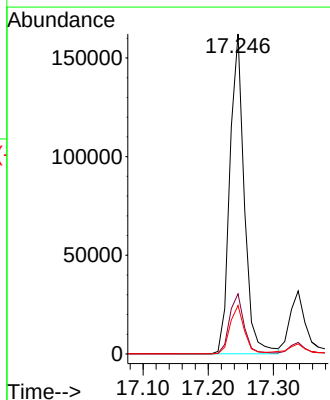
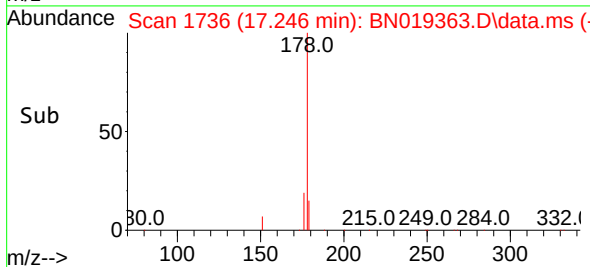
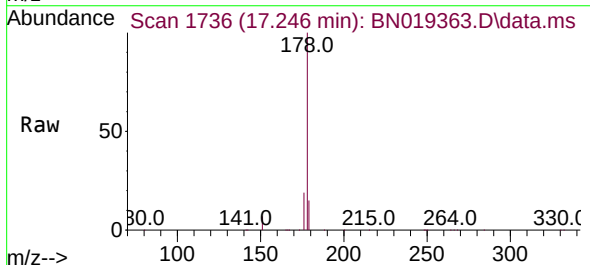
Manual Integrations
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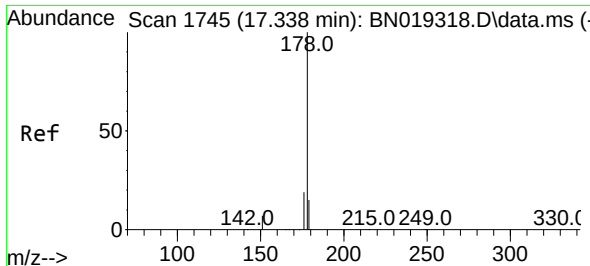
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#25
Phenanthrene
Concen: 3.972 ng
RT: 17.246 min Scan# 1736
Delta R.T. -0.000 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04

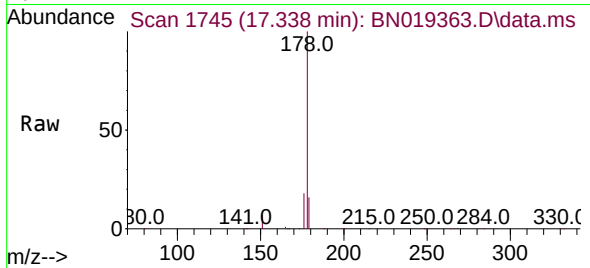
Tgt Ion:178 Resp: 249150
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.0 12.2 18.2





#26
 Anthracene
 Concen: 0.999 ng
 RT: 17.338 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN019363.D
 Acq: 05 Apr 2022 23:04

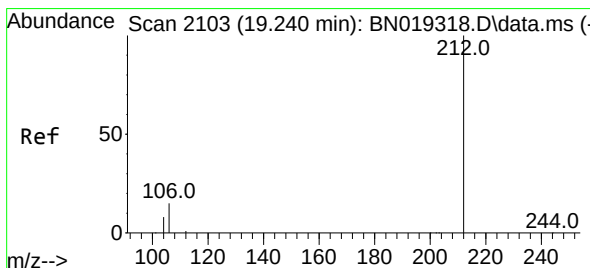
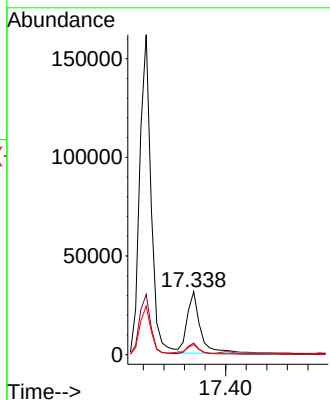
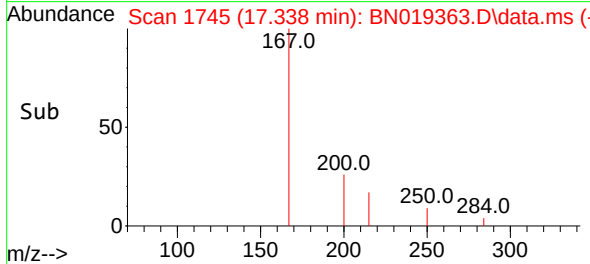
Instrument :
 BNA_N
 ClientSampleId :
 A01040DL



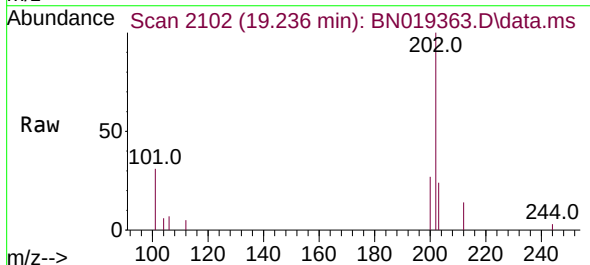
Tgt Ion:178 Resp: 5512
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.8 22.2
 179 13.1 12.2 18.4

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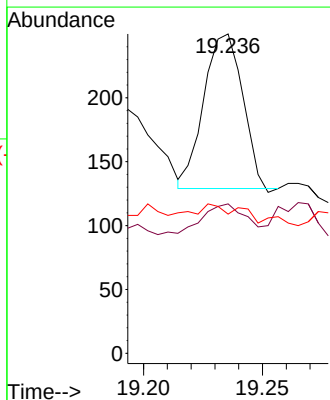
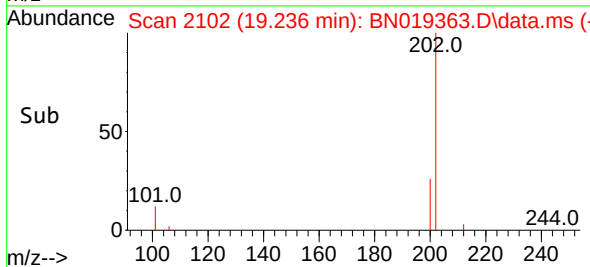
Reviewed By :Christian Giraldo 04/08/2022
 Supervised By :Jagrut Upadhyay 04/08/2022

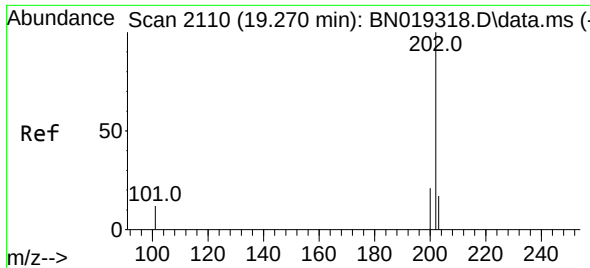


#27
 Fluoranthene-d10
 Concen: 0.002 ng
 RT: 19.236 min Scan# 2102
 Delta R.T. -0.004 min
 Lab File: BN019363.D
 Acq: 05 Apr 2022 23:04



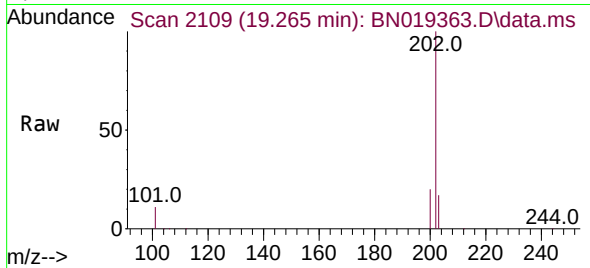
Tgt Ion:212 Resp: 137
 Ion Ratio Lower Upper
 212 100
 106 21.9 12.7 19.1#
 104 21.2 7.1 10.7#





#28
Fluoranthene
Concen: 7.774 ng
RT: 19.265 min Scan# 2110
Delta R.T. -0.004 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04

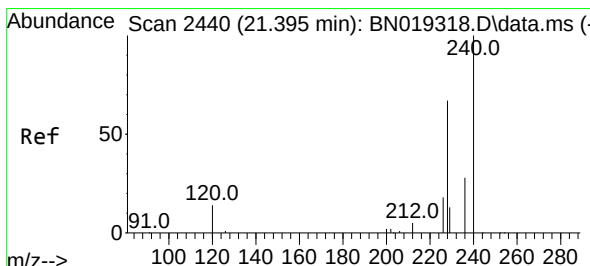
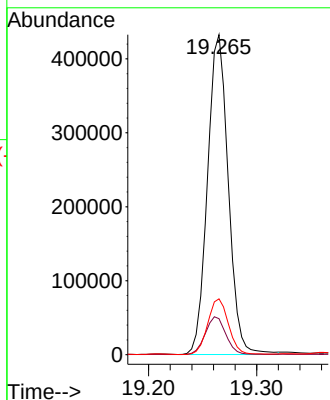
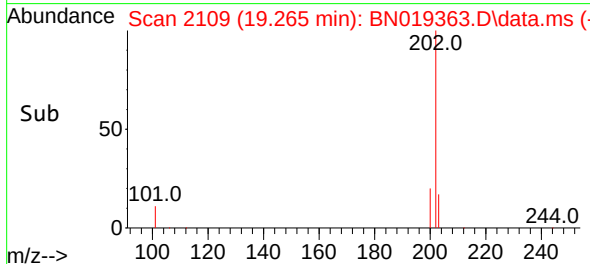
Instrument :
BNA_N
ClientSampleId :
A01040DL



Tgt Ion:202 Resp: 578314
Ion Ratio Lower Upper
202 100
101 11.8 9.8 14.6
203 17.4 13.7 20.5

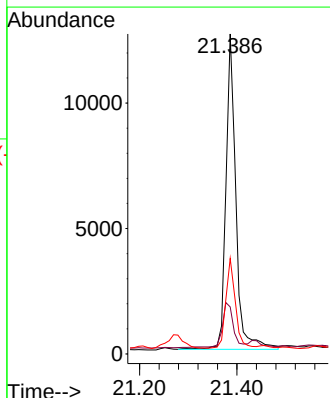
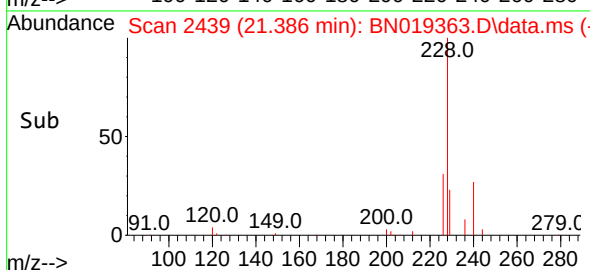
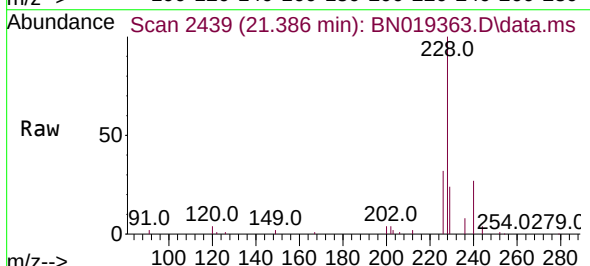
Manual Integrations
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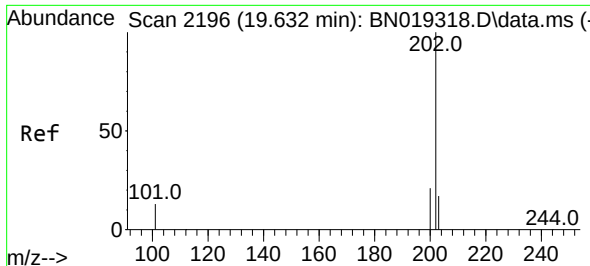
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.386 min Scan# 2439
Delta R.T. -0.009 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04

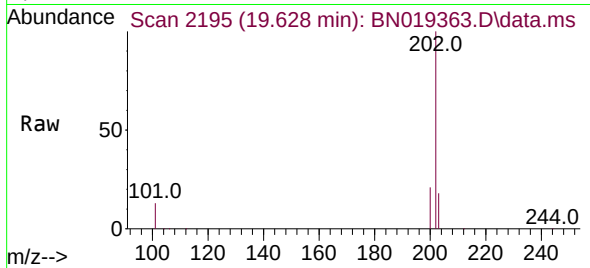
Tgt Ion:240 Resp: 17876
Ion Ratio Lower Upper
240 100
120 14.7 8.5 12.7#
236 29.8 22.4 33.6





#30
Pyrene
Concen: 5.847 ng
RT: 19.628 min Scan# 2196
Delta R.T. -0.004 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04

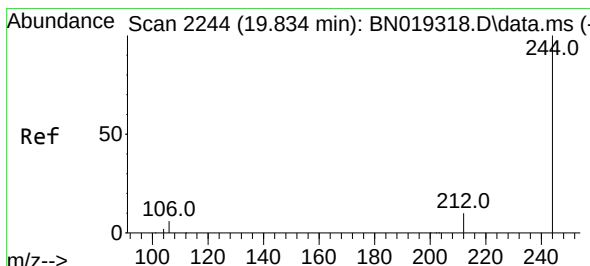
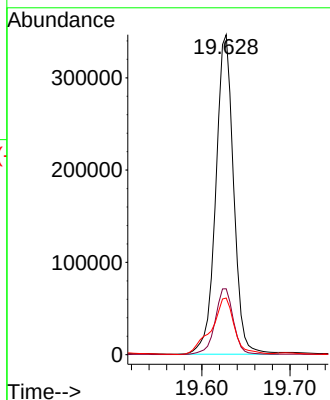
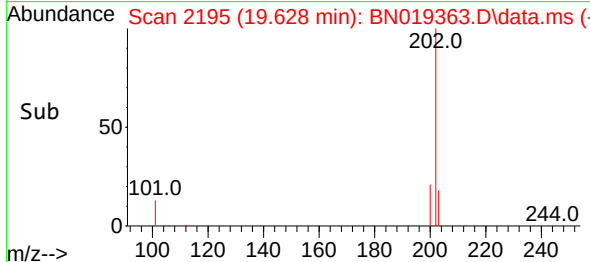
Instrument :
BNA_N
ClientSampleId :
A01040DL



Tgt Ion:202 Resp: 48635
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 22.6 14.2 21.2

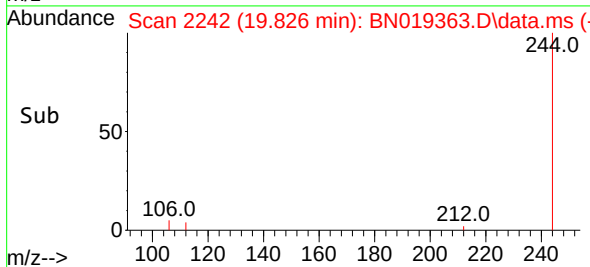
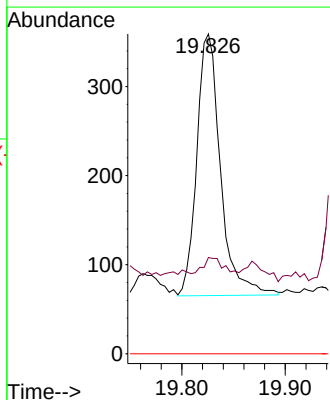
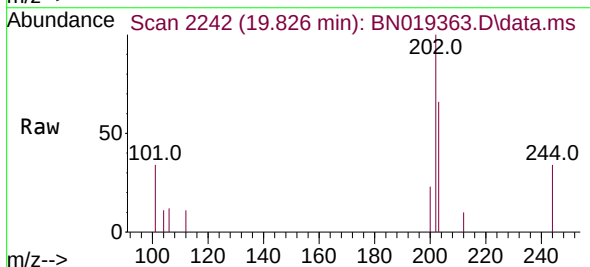
Manual Integrations
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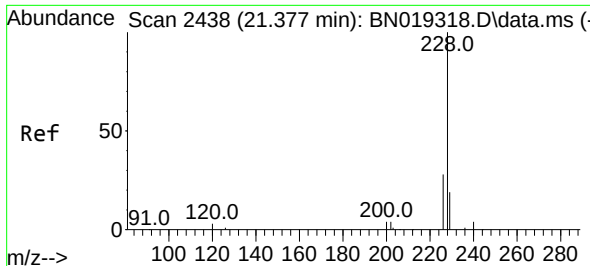
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#31
Terphenyl-d14
Concen: 0.012 ng
RT: 19.826 min Scan# 2242
Delta R.T. -0.009 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04

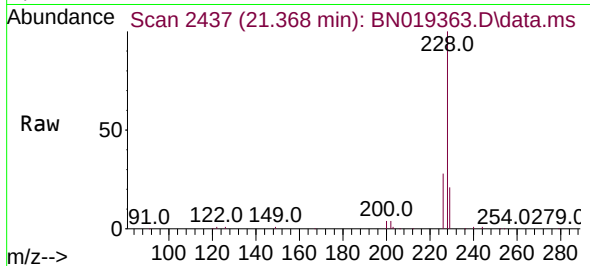
Tgt Ion:244 Resp: 467
Ion Ratio Lower Upper
244 100
212 30.1 8.2 12.4#
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 4.379 ng
RT: 21.368 min Scan# 2437
Delta R.T. -0.009 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04

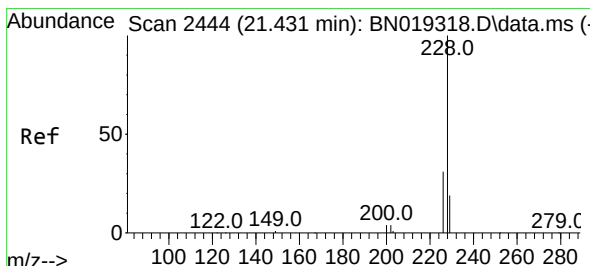
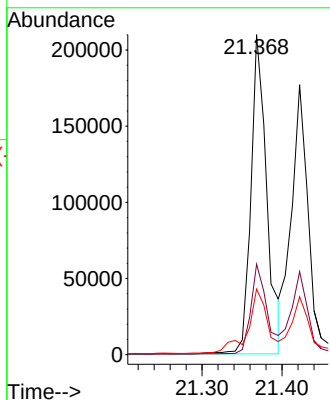
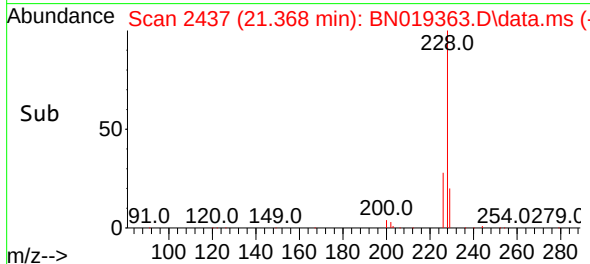
Instrument :
BNA_N
ClientSampleId :
A01040DL



Tgt Ion:228 Resp: 289214
Ion Ratio Lower Upper
228 100
226 28.3 21.9 32.9
229 20.5 16.0 24.0

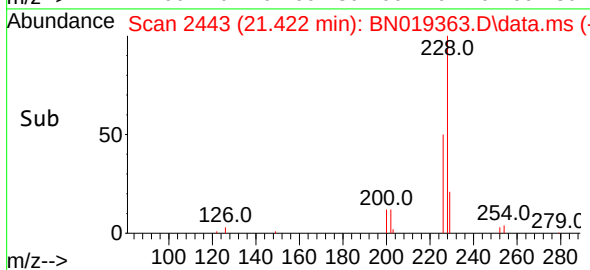
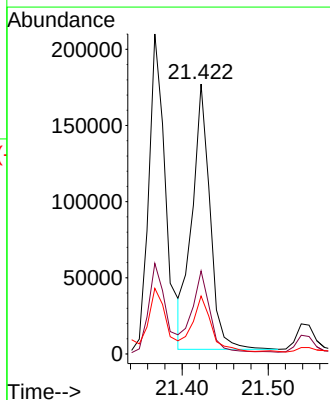
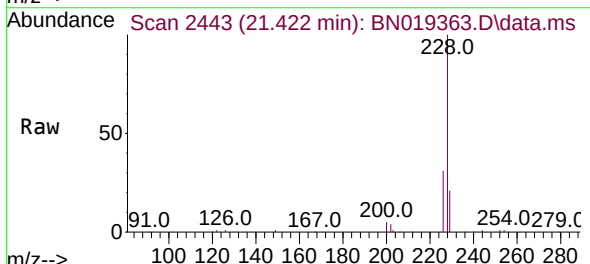
Manual Integrations
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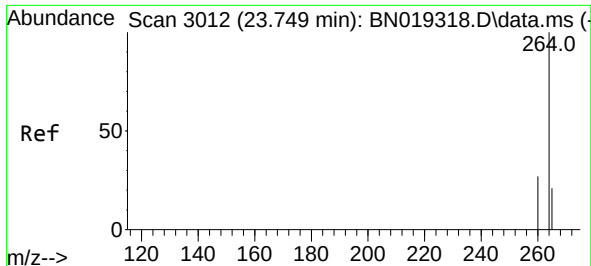
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#33
Chrysene
Concen: 3.438 ng
RT: 21.422 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04

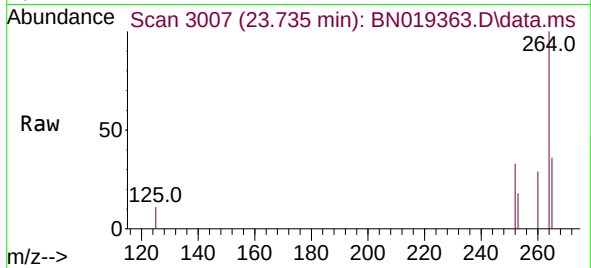
Tgt Ion:228 Resp: 252318
Ion Ratio Lower Upper
228 100
226 30.7 24.0 36.0
229 21.4 15.9 23.9





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.735 min Scan# 3012
 Delta R.T. -0.015 min
 Lab File: BN019363.D
 Acq: 05 Apr 2022 23:04

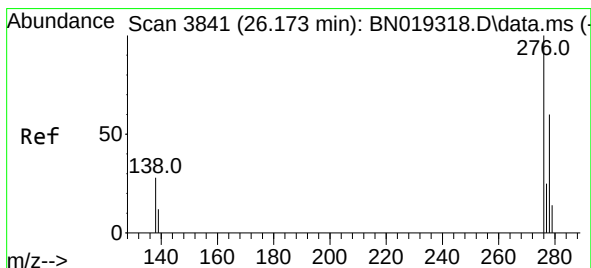
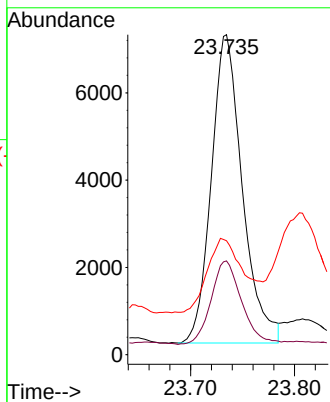
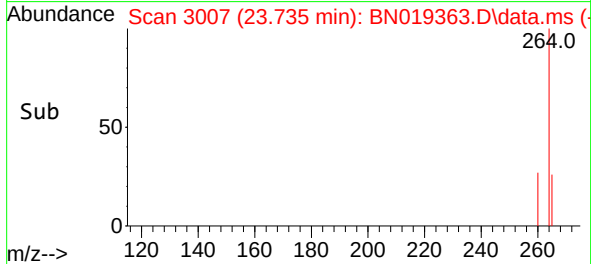
Instrument :
 BNA_N
 ClientSampleId :
 A01040DL



Tgt Ion:264 Resp: 14660
 Ion Ratio Lower Upper
 264 100
 260 29.3 22.4 33.6
 265 35.6 25.3 37.9

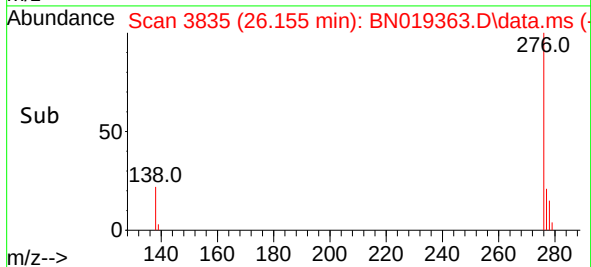
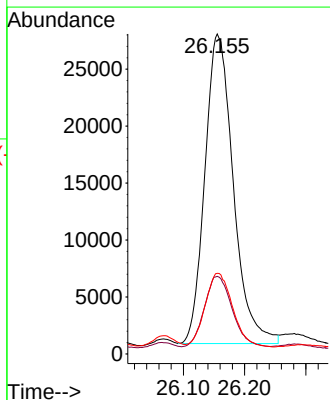
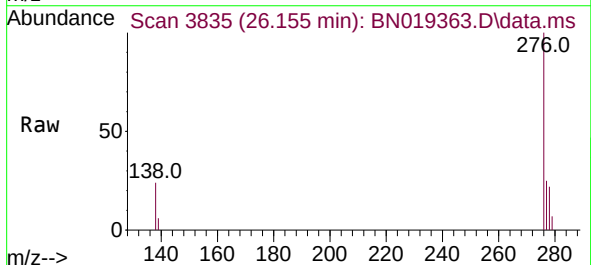
Manual Integrations
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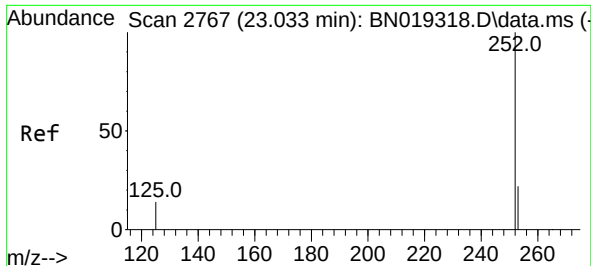
Reviewed By :Christian Giraldo 04/08/2022
 Supervised By :Jagrut Upadhyay 04/08/2022



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 1.427 ng
 RT: 26.155 min Scan# 3835
 Delta R.T. -0.018 min
 Lab File: BN019363.D
 Acq: 05 Apr 2022 23:04

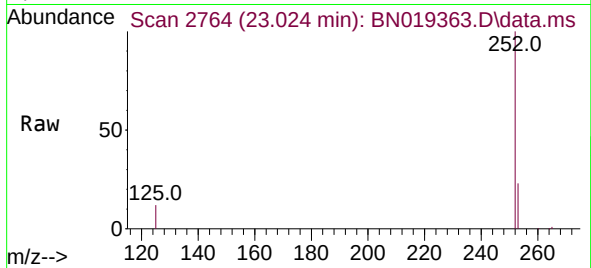
Tgt Ion:276 Resp: 87627
 Ion Ratio Lower Upper
 276 100
 138 22.1 24.5 36.7#
 277 23.0 19.8 29.8





#37
Benzo(b)fluoranthene
Concen: 4.862 ng m
RT: 23.024 min Scan# 2764
Delta R.T. -0.009 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04

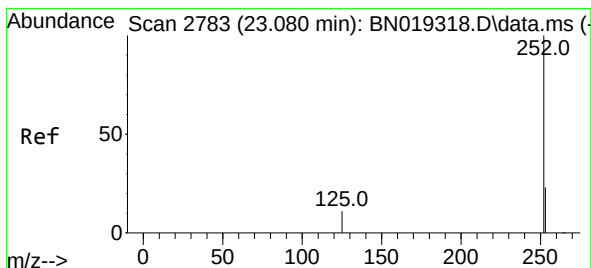
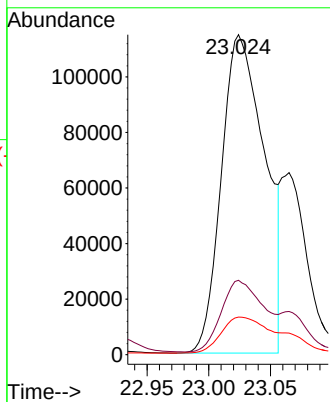
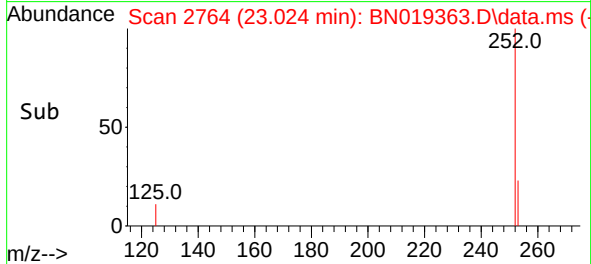
Instrument :
BNA_N
ClientSampleId :
A01040DL



Tgt Ion:252 Resp: 27940
Ion Ratio Lower Upper
252 100
253 23.3 18.9 28.3
125 11.8 12.1 18.1

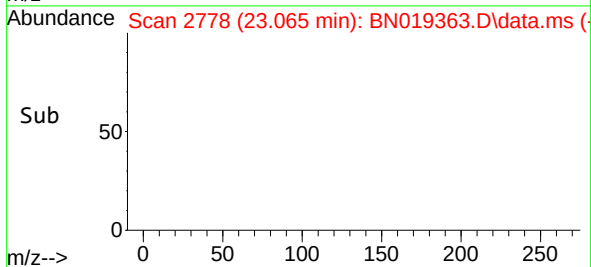
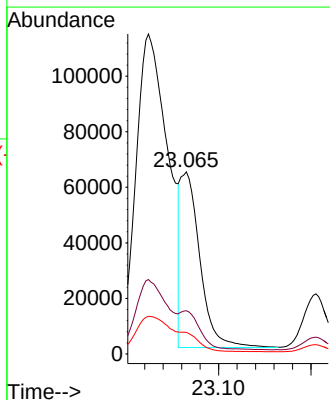
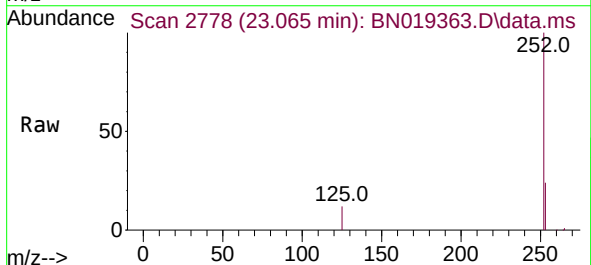
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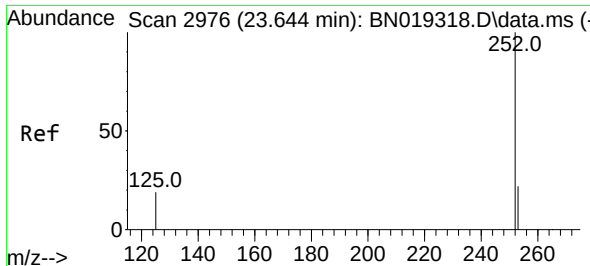
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#38
Benzo(k)fluoranthene
Concen: 1.554 ng m
RT: 23.065 min Scan# 2778
Delta R.T. -0.015 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04

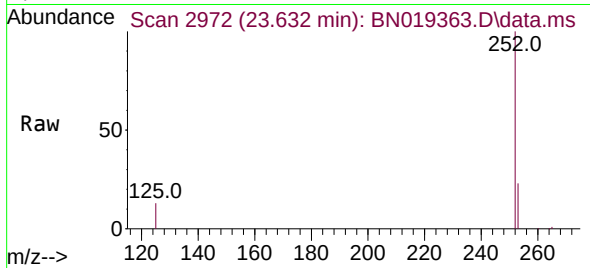
Tgt Ion:252 Resp: 93345
Ion Ratio Lower Upper
252 100
253 23.8 18.9 28.3
125 11.8 10.3 15.5





#39
Benzo(a)pyrene
Concen: 3.371 ng m
RT: 23.632 min Scan# 2972
Delta R.T. -0.012 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04

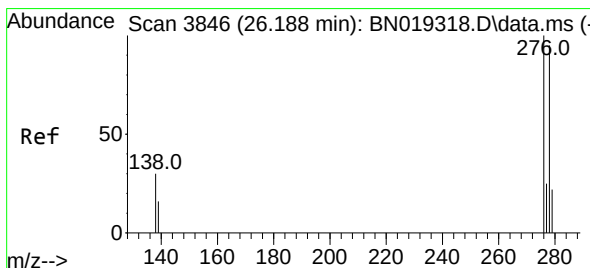
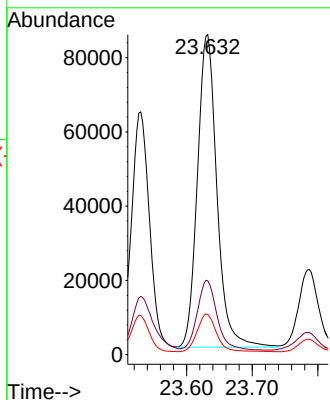
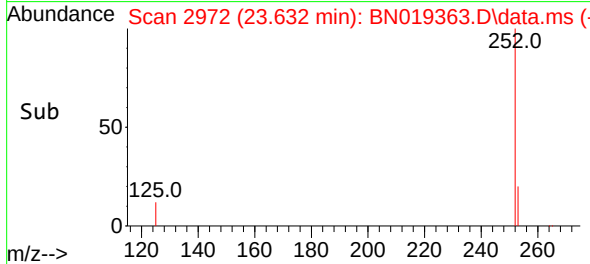
Instrument :
BNA_N
ClientSampleId :
A01040DL



Tgt Ion:252 Resp: 174059
Ion Ratio Lower Upper
252 100
253 23.1 20.1 30.1
125 12.6 15.2 22.8

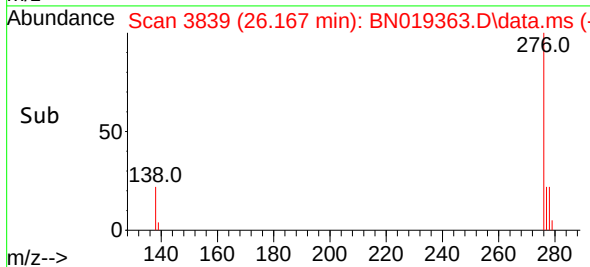
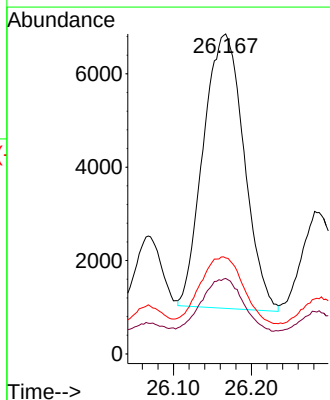
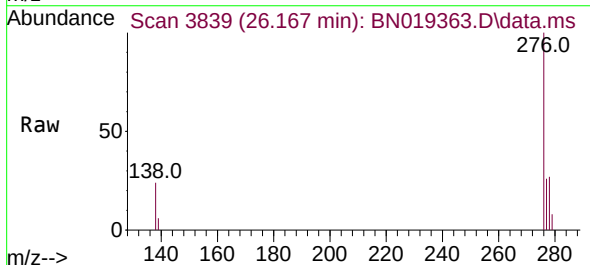
Manual Integrations
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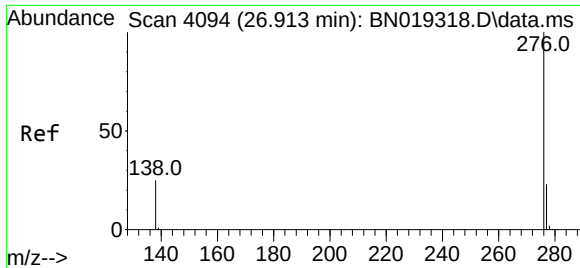
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#40
Dibenzo(a,h)anthracene
Concen: 0.448 ng
RT: 26.167 min Scan# 3839
Delta R.T. -0.021 min
Lab File: BN019363.D
Acq: 05 Apr 2022 23:04

Tgt Ion:278 Resp: 21298
Ion Ratio Lower Upper
278 100
139 23.6 17.2 25.8
279 30.0 19.9 29.9





#41

Benzo(g,h,i)perylene

Concen: 1.519 ng

RT: 26.898 min Scan# 40

Delta R.T. -0.015 min

Lab File: BN019363.D

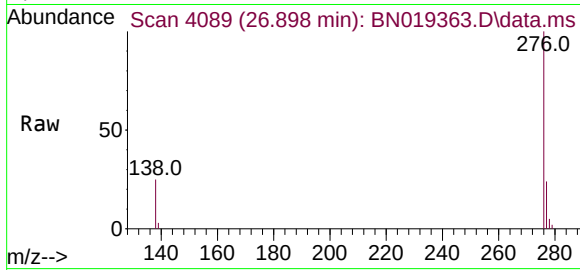
Acq: 05 Apr 2022 23:04

Instrument :

BNA_N

ClientSampleId :

A01040DL



Tgt Ion:276 Resp: 8643

Ion Ratio Lower Upper

276 100

277 24.3 19.4 29.0

138 24.8 21.0 31.6

Manual Integrations

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Reviewed By :Christian Giraldo 04/08/2022

Supervised By :Jagrut Upadhyay 04/08/2022

