

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN033122\
 Data File : BN019308.D
 Acq On : 02 Apr 2022 04:41
 Operator : CG/JU
 Sample : N2220-03 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A11015

Manual Integrations
 APPROVED

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

Quant Time: Apr 02 05:11:31 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN033122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 31 12:41:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	1003	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	3124	0.400	ng	# 0.00
13) Acenaphthene-d10	14.463	164	2281	0.400	ng	-0.01
19) Phenanthrene-d10	17.205	188	4546	0.400	ng	#-0.01
29) Chrysene-d12	21.395	240	4156	0.400	ng	# 0.00
35) Perylene-d12	23.749	264	3036	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.392	112	507	0.231	ng	0.00
5) Phenol-d6	7.009	99	409	0.176	ng	0.01
8) Nitrobenzene-d5	8.993	82	430	0.192	ng	0.00
11) 2-Methylnaphthalene-d10	12.227	152	1317	0.266	ng	0.00
14) 2,4,6-Tribromophenol	15.964	330	256	0.240	ng	0.00
15) 2-Fluorobiphenyl	13.095	172	1874	0.205	ng	-0.01
27) Fluoranthene-d10	19.244	212	3022	0.221	ng	0.00
31) Terphenyl-d14	19.839	244	1968	0.213	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.680	128	18321	2.023	ng	99
12) 2-Methylnaphthalene	12.299	142	22679	3.882	ng	99
16) Acenaphthylene	14.185	152	20857	1.985	ng	# 95
17) Acenaphthene	14.527	154	2246	0.300	ng	# 82
18) Fluorene	15.511	166	4351	0.465	ng	# 73
25) Phenanthrene	17.246	178	123496	8.629	ng	99
26) Anthracene	17.338	178	26675	2.254	ng	98
28) Fluoranthene	19.274	202	251817	14.750	ng	99
30) Pyrene	19.632	202	216895	10.564	ng	97
32) Benzo(a)anthracene	21.378	228	71596m	5.498	ng	
33) Chrysene	21.431	228	115448m	6.936	ng	
34) Bis(2-ethylhexyl)phtha...	21.306	149	10220	1.174	ng	# 98
36) Indeno(1,2,3-cd)pyrene	26.182	276	25891	2.087	ng	# 90
37) Benzo(b)fluoranthene	23.036	252	98854	8.765	ng	98
38) Benzo(k)fluoranthene	23.077	252	36626m	3.010	ng	
39) Benzo(a)pyrene	23.647	252	47780	4.663	ng	98
40) Dibenzo(a,h)anthracene	26.194	278	6049	0.668	ng	# 66
41) Benzo(g,h,i)perylene	26.928	276	28784	2.274	ng	97

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

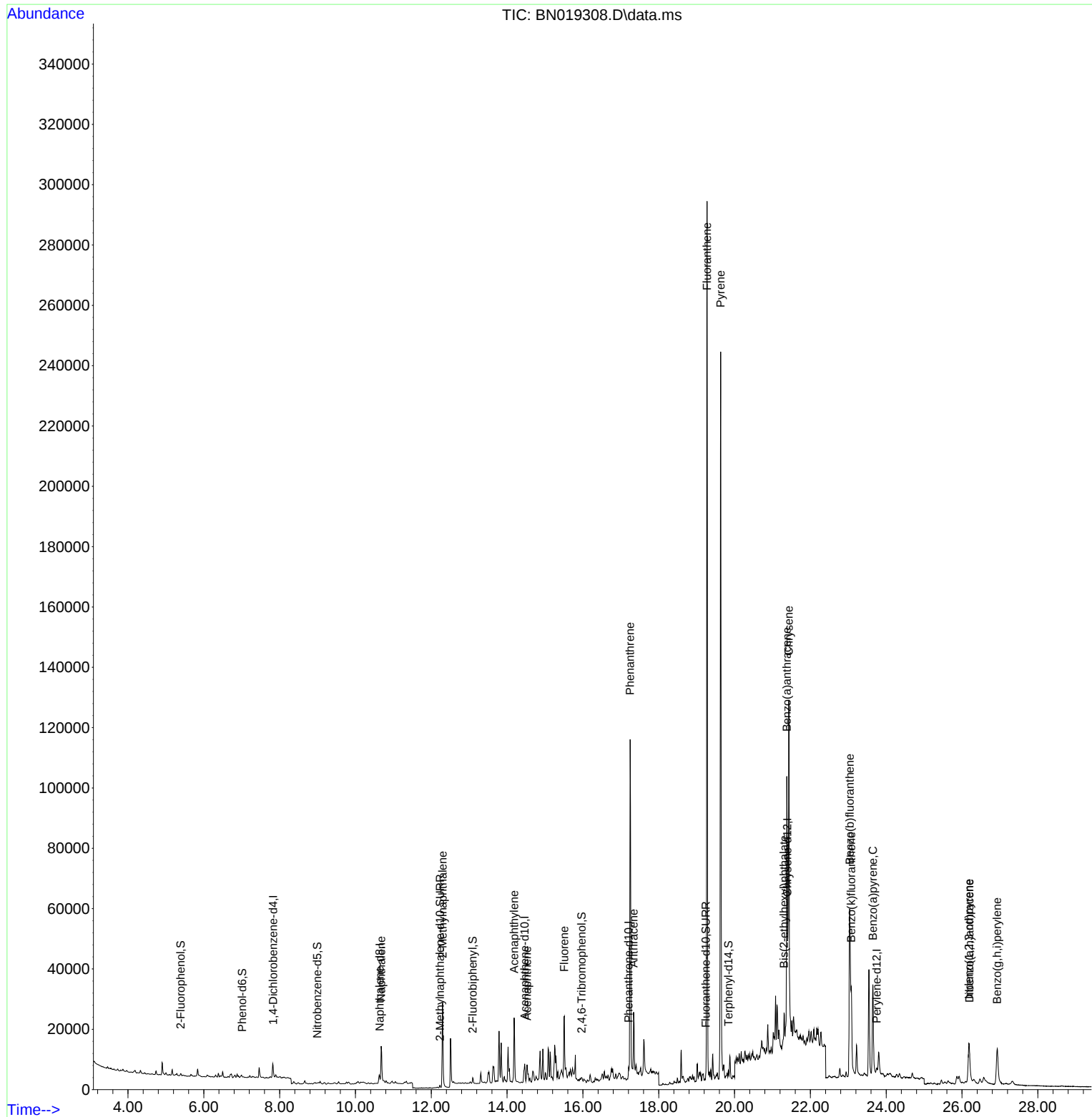
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN033122\
Data File : BN019308.D
Acq On : 02 Apr 2022 04:41
Operator : CG/JU
Sample : N2220-03 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

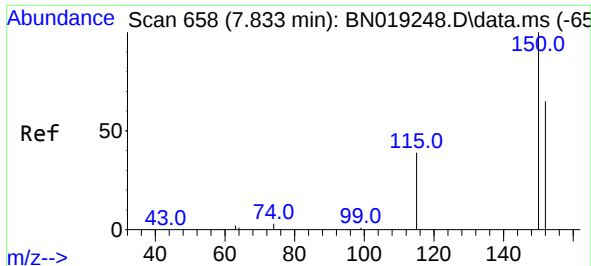
Instrument :
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ClientSampleId :
A11015

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Supervised By : Jagrut Upadhyay 04/04/2022

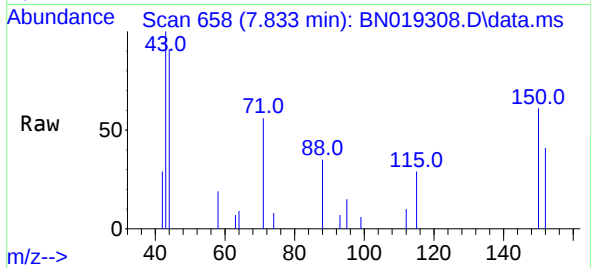
Quant Time: Apr 02 05:11:31 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN033122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 31 12:41:03 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41

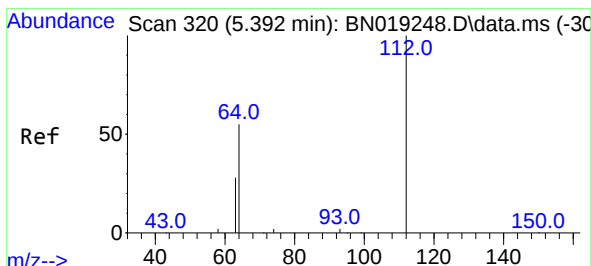
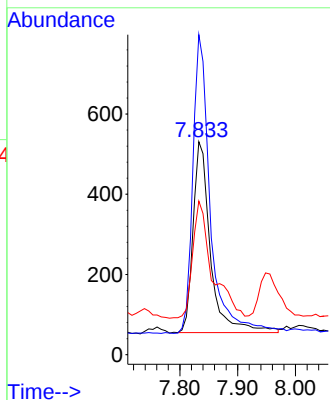
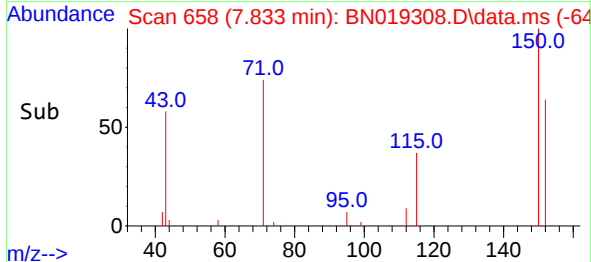
Instrument :
BNA_N
ClientSampleId :
A11015



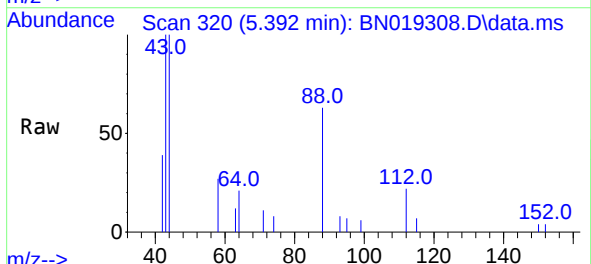
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Ion Ratio Lower Upper
152 100
150 150.3 123.9 185.9
115 72.1 48.2 72.4

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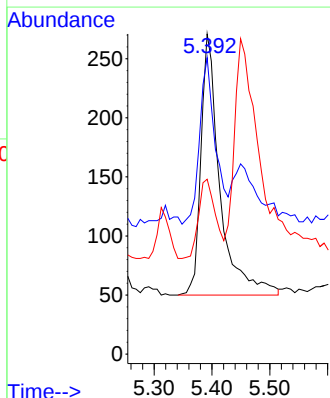
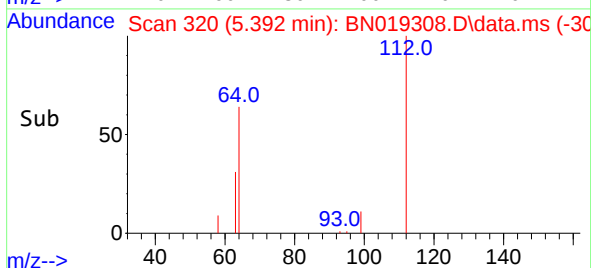
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022

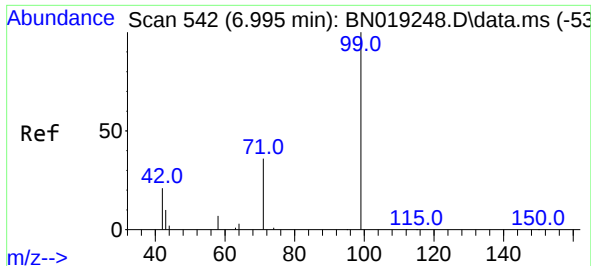


#4
2-Fluorophenol
Concen: 0.231 ng
RT: 5.392 min Scan# 320
Delta R.T. -0.000 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41



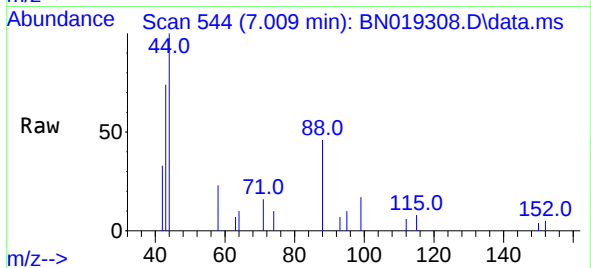
Tgt Ion:112 Resp: 507
Ion Ratio Lower Upper
112 100
64 53.3 47.8 71.8
63 27.0 25.7 38.5





#5
Phenol-d6
Concen: 0.176 ng
RT: 7.009 min Scan# 542
Delta R.T. 0.014 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41

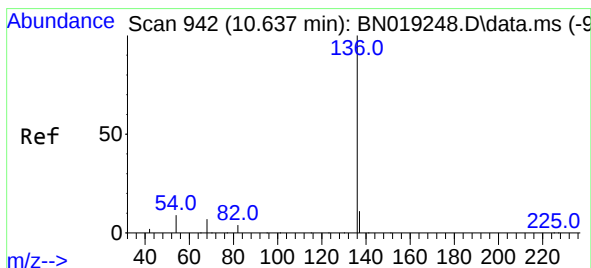
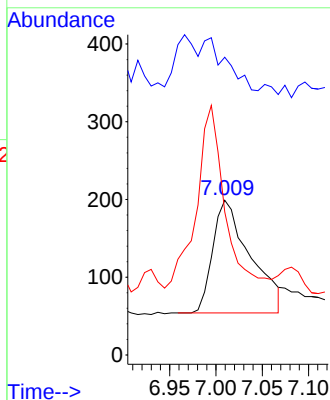
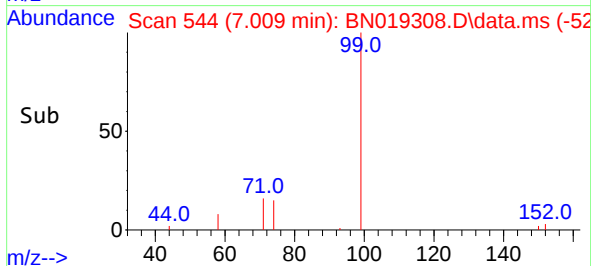
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Tgt Ion: 99 Resp: 409
Ion Ratio Lower Upper
99 100
42 0.0 16.2 24.4#
71 122.2 27.7 41.5#

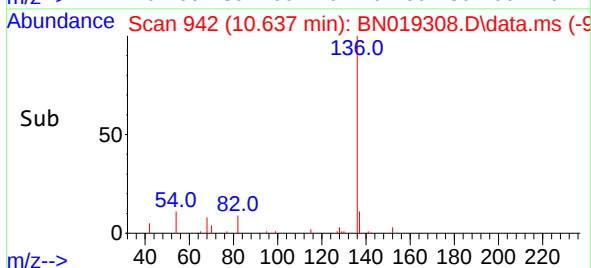
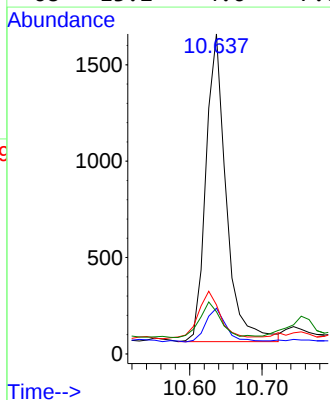
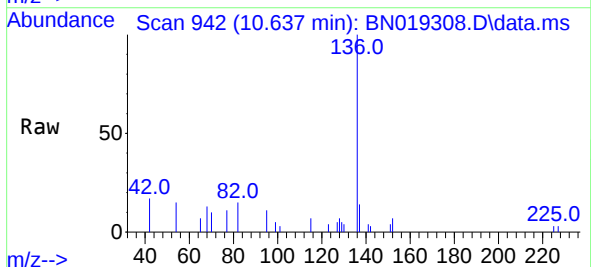
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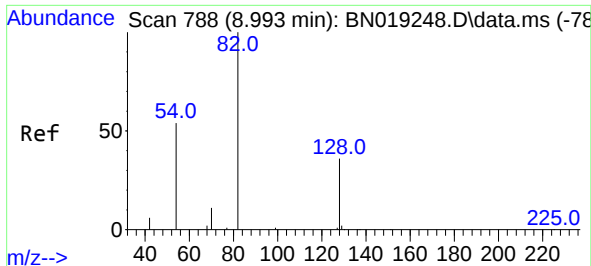
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 942
Delta R.T. -0.000 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41

Tgt Ion:136 Resp: 3124
Ion Ratio Lower Upper
136 100
137 14.3 9.0 13.4#
54 15.4 5.8 8.6#
68 13.2 4.6 7.0#





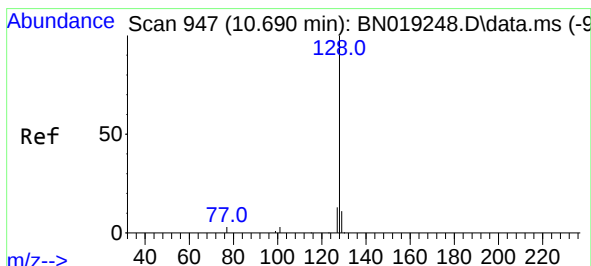
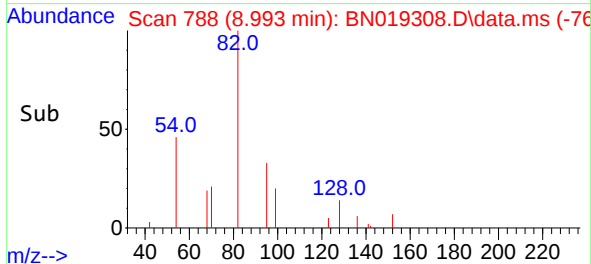
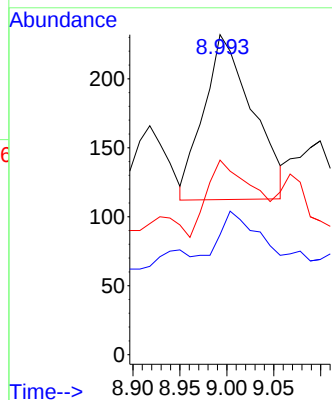
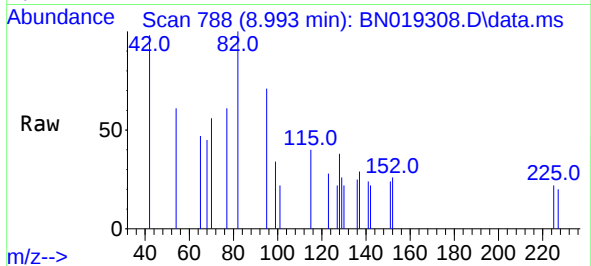
#8
Nitrobenzene-d5
Concen: 0.192 ng
RT: 8.993 min Scan# 788
Delta R.T. -0.000 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41

Instrument :
BNA_N
ClientSampleId :
A11015

Tgt Ion: 82 Resp: 430
Ion Ratio Lower Upper
82 100
128 37.5 33.0 49.6
54 60.8 42.5 63.7

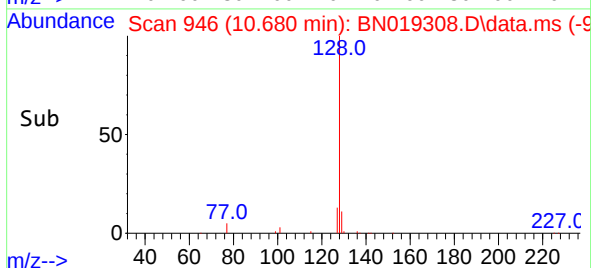
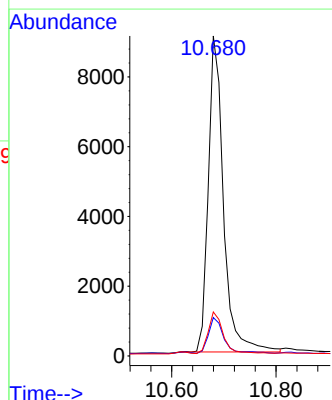
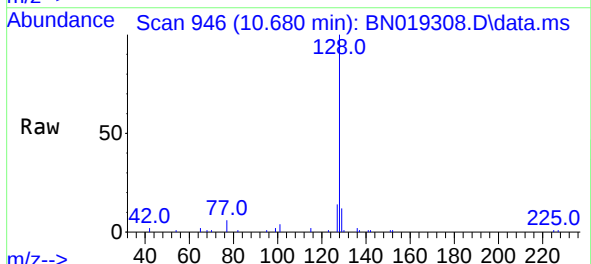
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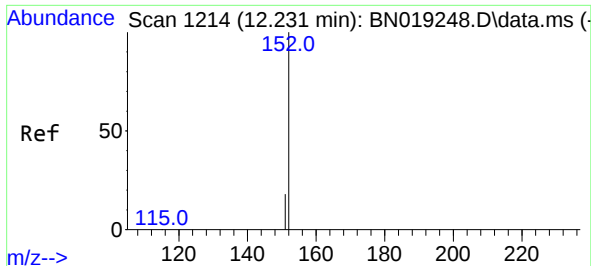
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#9
Naphthalene
Concen: 2.023 ng
RT: 10.680 min Scan# 946
Delta R.T. -0.011 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41

Tgt Ion:128 Resp: 18321
Ion Ratio Lower Upper
128 100
129 12.0 9.0 13.4
127 13.8 10.7 16.1





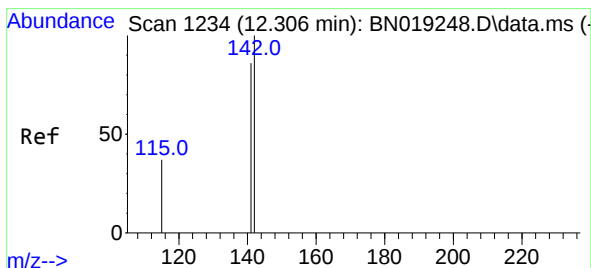
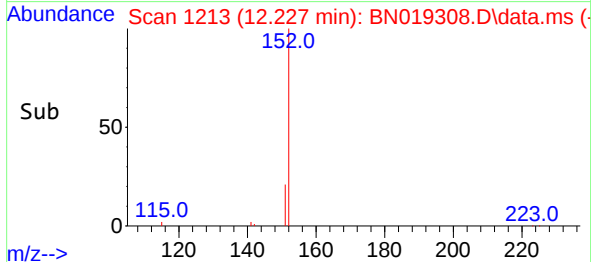
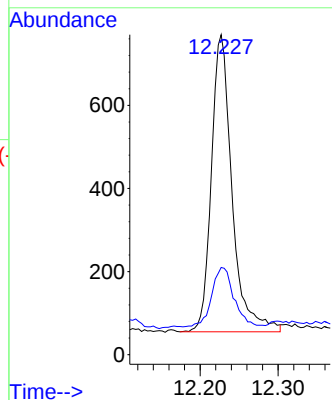
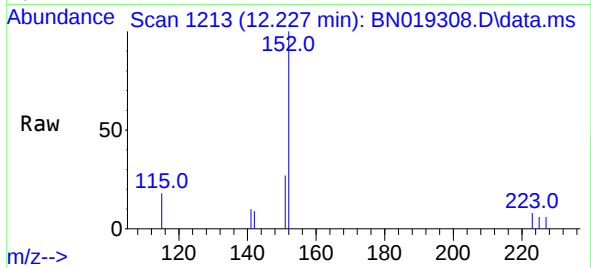
#11
2-Methylnaphthalene-d10
Concen: 0.266 ng
RT: 12.227 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41

Instrument :
BNA_N
ClientSampleId :
A11015

Tgt Ion:152 Resp: 131
Ion Ratio Lower Upper
152 100
151 21.0 16.5 24.7

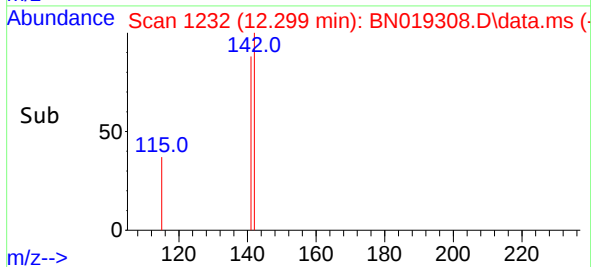
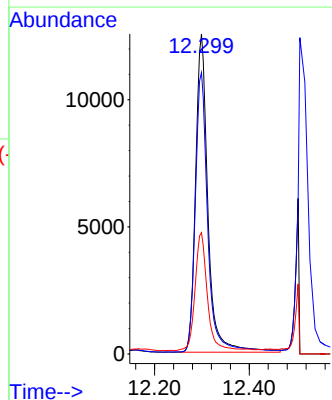
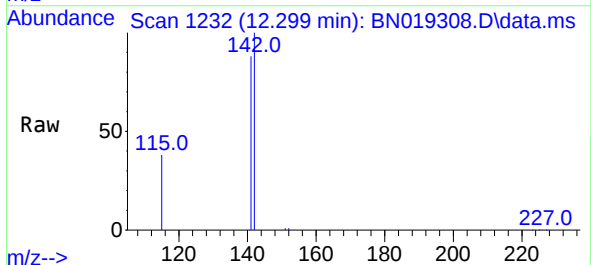
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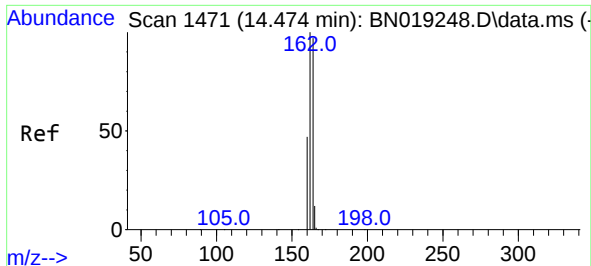
Reviewed By :Christian Giraldo 04/04/2022
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#12
2-Methylnaphthalene
Concen: 3.882 ng
RT: 12.299 min Scan# 1232
Delta R.T. -0.008 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41

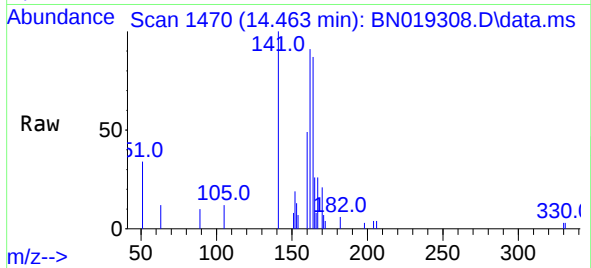
Tgt Ion:142 Resp: 22679
Ion Ratio Lower Upper
142 100
141 87.9 70.0 105.0
115 37.9 29.8 44.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1470
Delta R.T. -0.011 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41

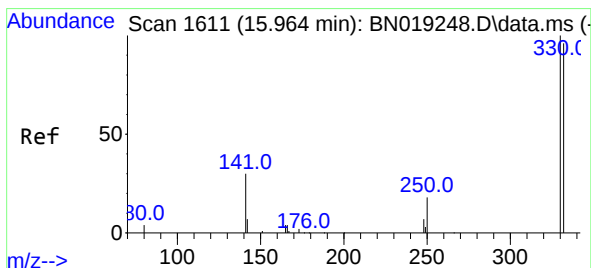
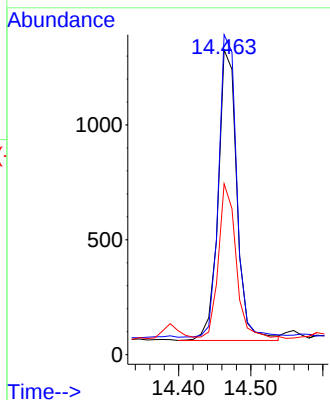
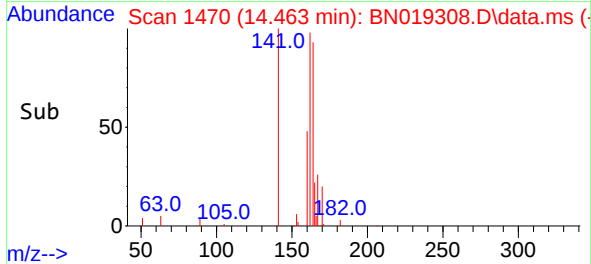
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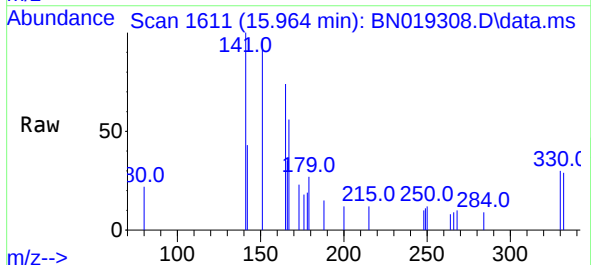
Tgt Ion:164 Resp: 228
Ion Ratio Lower Upper
164 100
162 105.0 85.2 127.8
160 56.1 41.5 62.3

Manual Integrations
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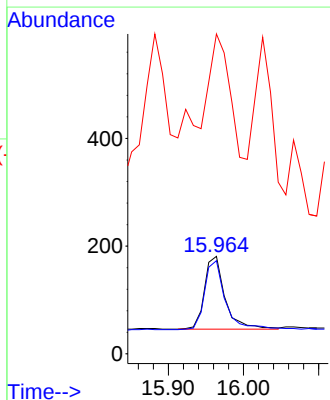
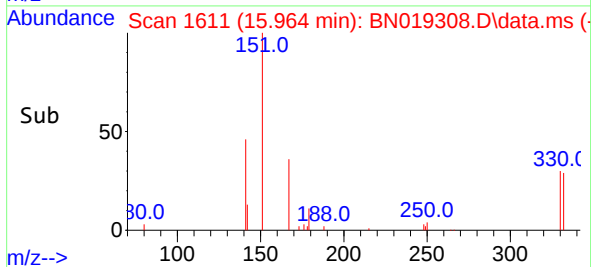
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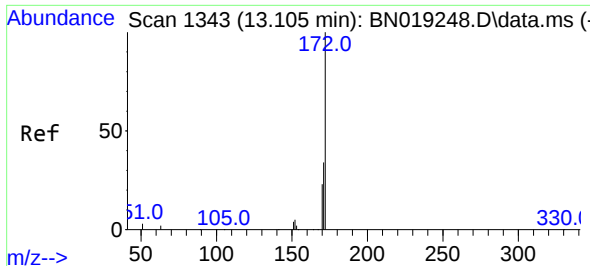


#14
2,4,6-Tribromophenol
Concen: 0.240 ng
RT: 15.964 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41



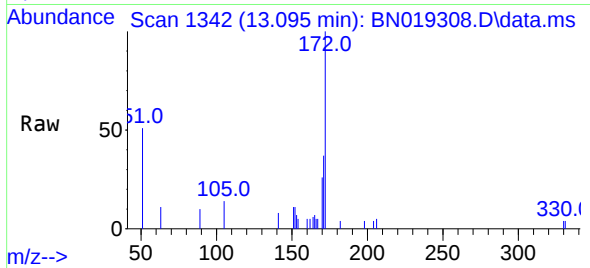
Tgt Ion:330 Resp: 256
Ion Ratio Lower Upper
330 100
332 96.5 76.8 115.2
141 192.2 32.2 48.2#





#15
2-Fluorobiphenyl
Concen: 0.205 ng
RT: 13.095 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41

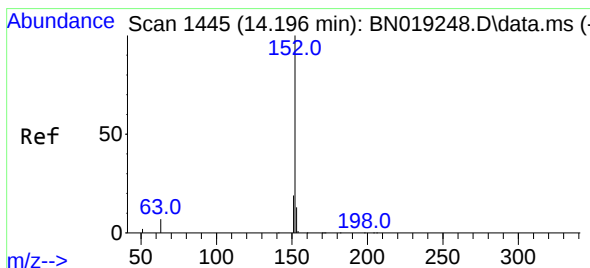
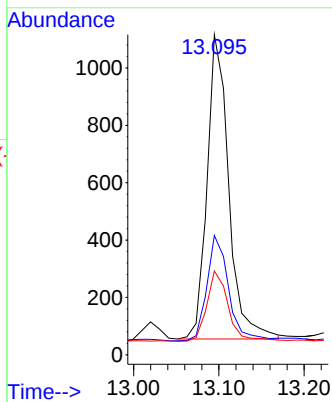
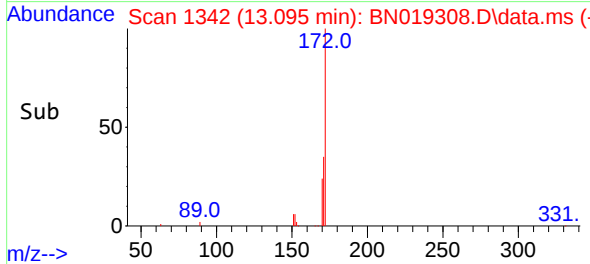
Instrument :
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Tgt Ion:172 Resp: 1874
Ion Ratio Lower Upper
172 100
171 37.3 28.2 42.2
170 26.2 18.7 28.1

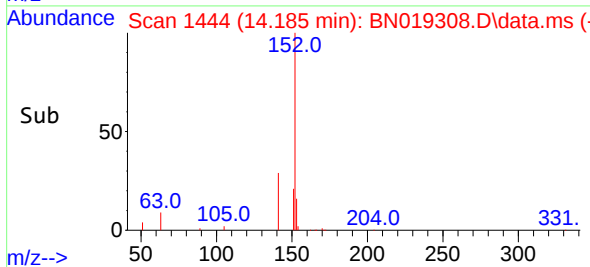
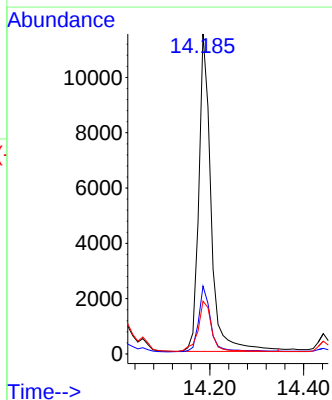
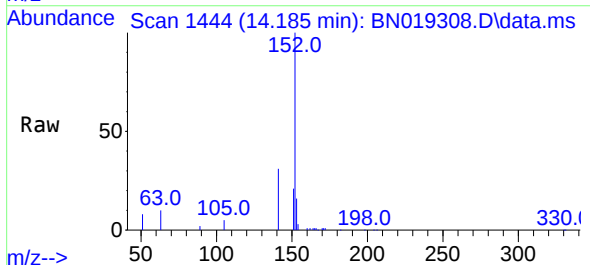
Manual Integrations
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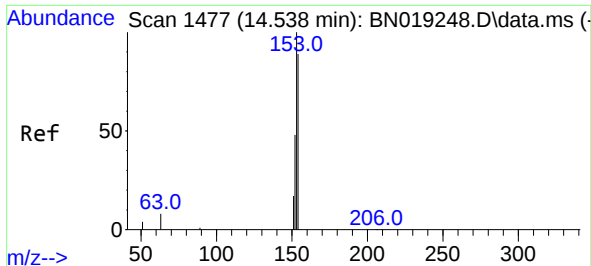
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#16
Acenaphthylene
Concen: 1.985 ng
RT: 14.185 min Scan# 1444
Delta R.T. -0.011 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41

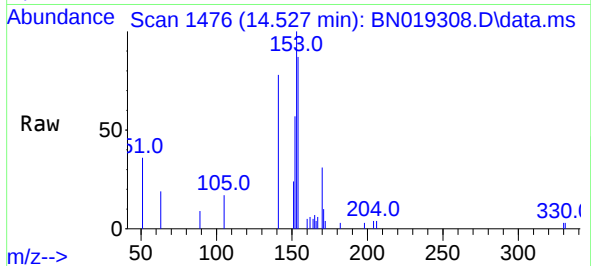
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Ion Ratio Lower Upper
152 100
151 20.8 15.9 23.9
153 17.4 10.6 15.8#





#17
Acenaphthene
Concen: 0.300 ng
RT: 14.527 min Scan# 1476
Delta R.T. -0.011 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41

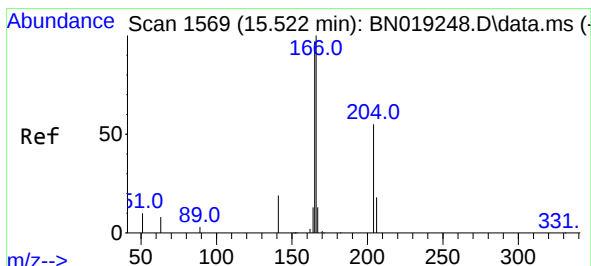
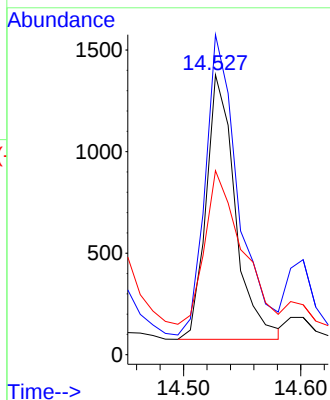
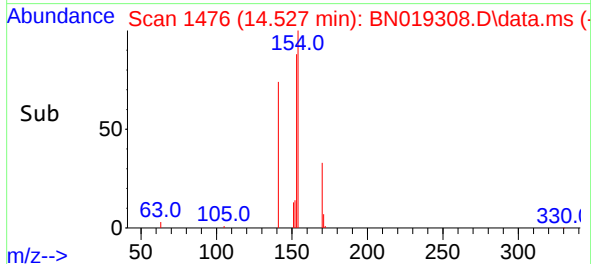
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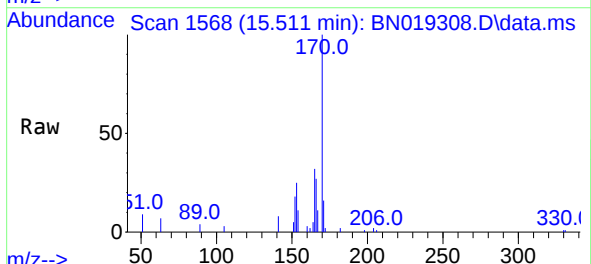
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Ion Ratio Lower Upper
154 100
153 128.1 89.7 134.5
152 73.2 44.7 67.1

Manual Integrations
APPROVED

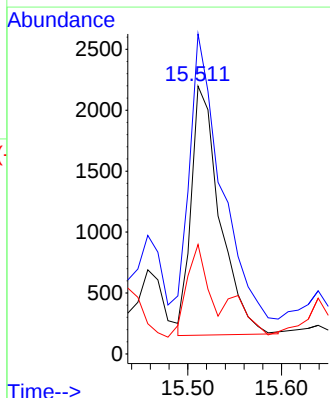
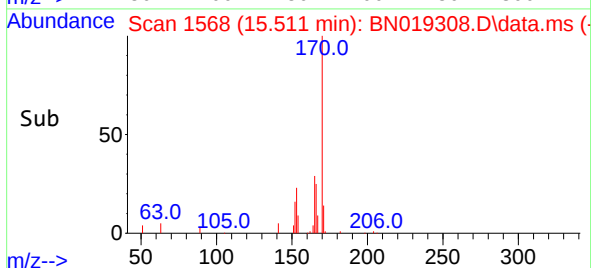
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022

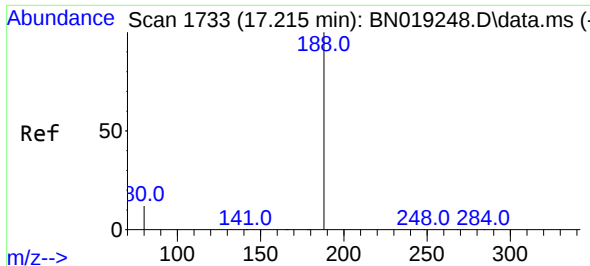


#18
Fluorene
Concen: 0.465 ng
RT: 15.511 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41



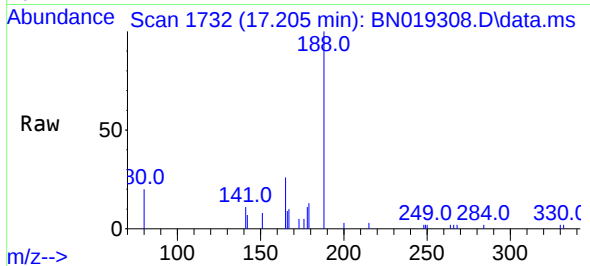
Tgt Ion:166 Resp: 4351
Ion Ratio Lower Upper
166 100
165 124.6 79.2 118.8#
167 28.3 10.7 16.1#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1732
Delta R.T. -0.010 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41

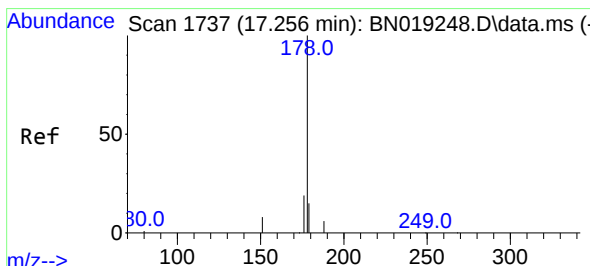
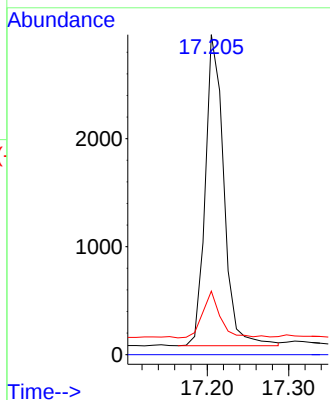
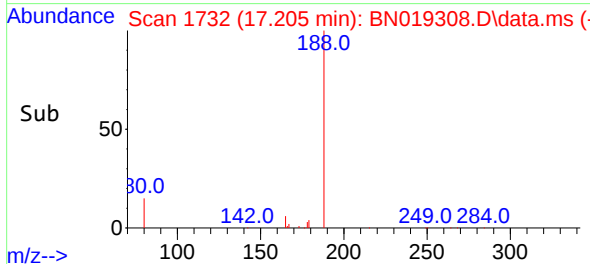
Instrument :
BNA_N
ClientSampleId :
A11015



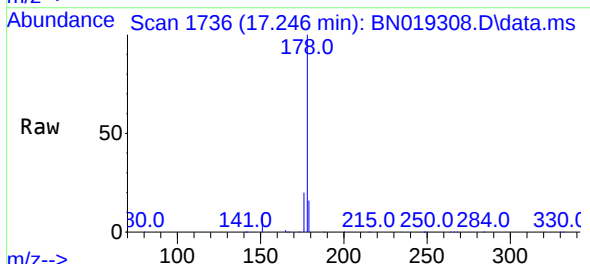
Tgt Ion:188 Resp: 4540
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 19.8 11.8 17.8

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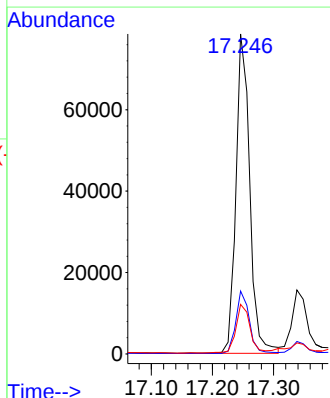
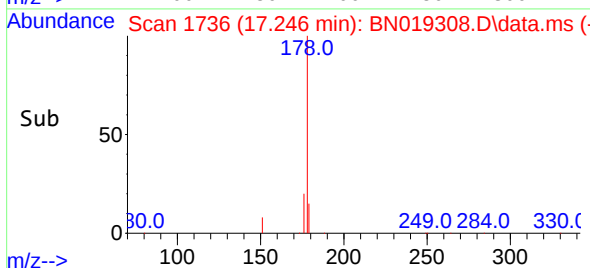
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022

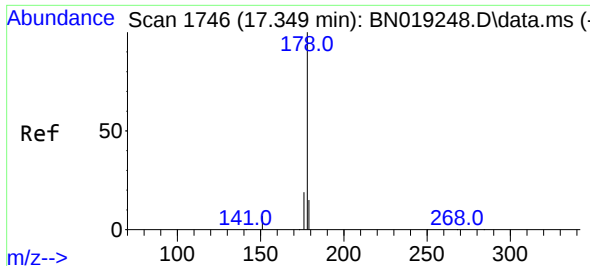


#25
Phenanthrene
Concen: 8.629 ng
RT: 17.246 min Scan# 1736
Delta R.T. -0.010 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41



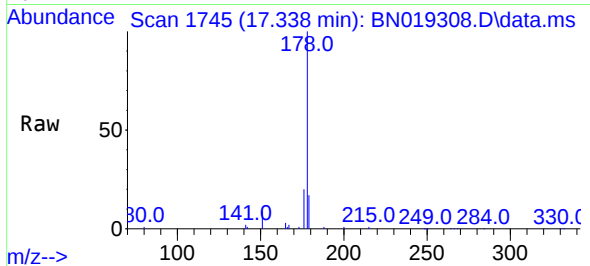
Tgt Ion:178 Resp: 123496
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.7 12.2 18.2





#26
 Anthracene
 Concen: 2.254 ng
 RT: 17.338 min Scan# 11
 Delta R.T. -0.010 min
 Lab File: BN019308.D
 Acq: 02 Apr 2022 04:41

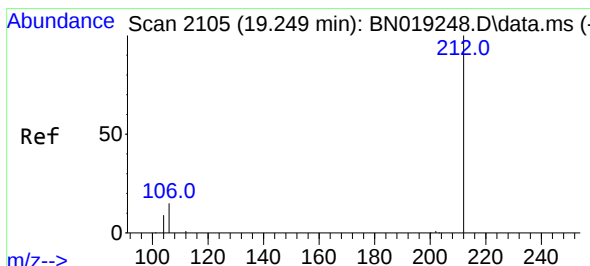
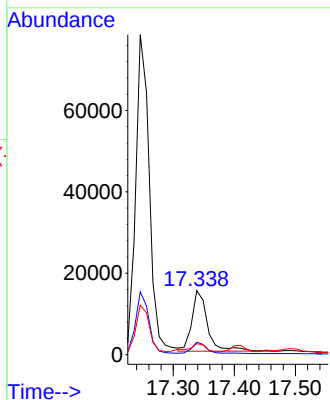
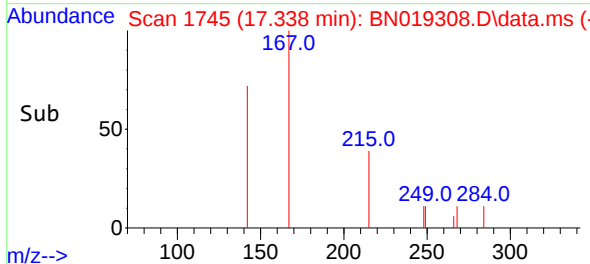
Instrument :
 BNA_N
 ClientSampleId :
 A11015



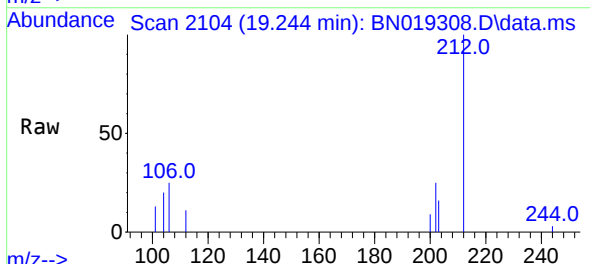
Tgt Ion:178 Resp: 26675
 Ion Ratio Lower Upper
 178 100
 176 17.6 14.8 22.2
 179 14.3 12.2 18.4

Manual Integrations
 APPROVED

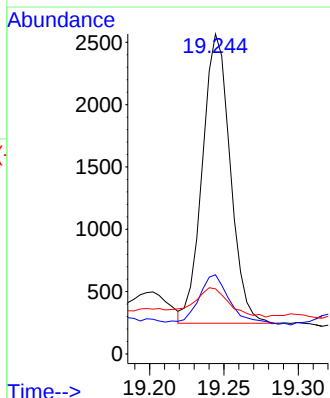
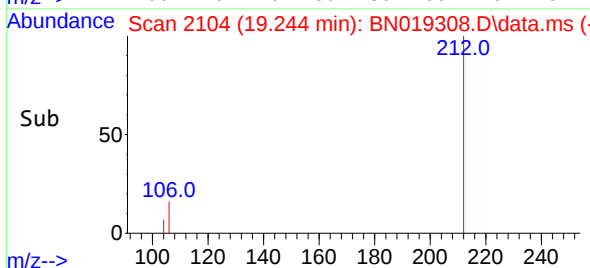
Reviewed By :Christian Giraldo 04/04/2022
 Supervised By :Jagrut Upadhyay 04/04/2022

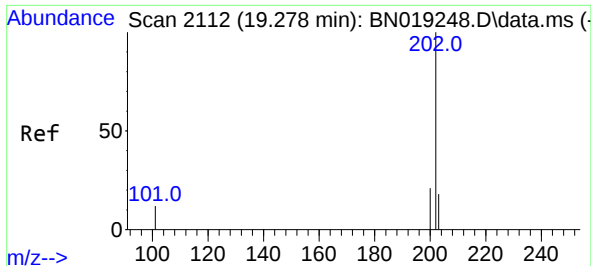


#27
 Fluoranthene-d10
 Concen: 0.221 ng
 RT: 19.244 min Scan# 2104
 Delta R.T. -0.004 min
 Lab File: BN019308.D
 Acq: 02 Apr 2022 04:41



Tgt Ion:212 Resp: 3022
 Ion Ratio Lower Upper
 212 100
 106 20.1 12.7 19.1#
 104 12.1 7.1 10.7#





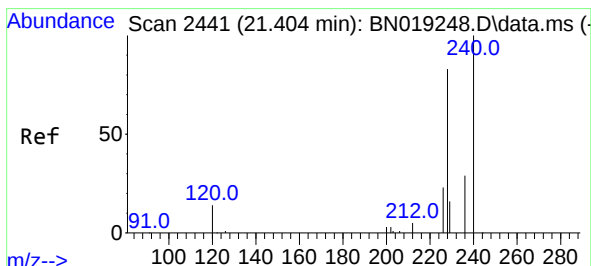
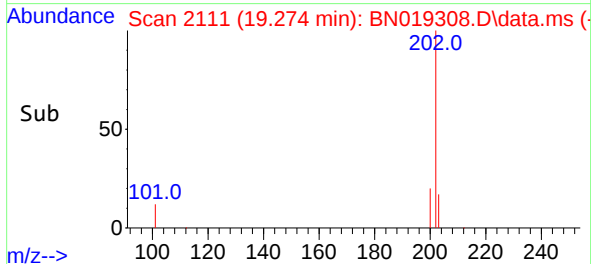
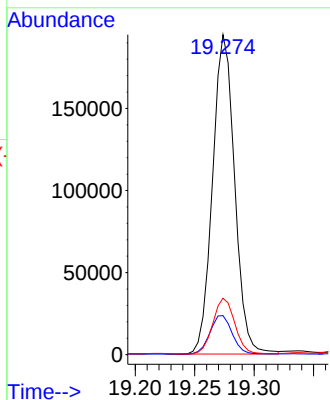
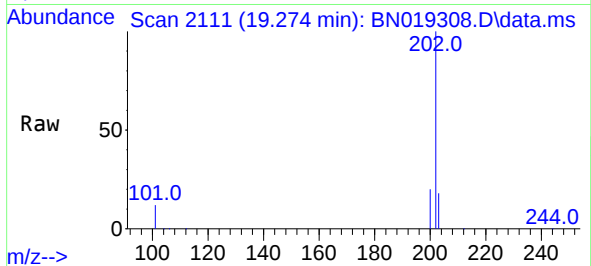
#28
Fluoranthene
Concen: 14.750 ng
RT: 19.274 min Scan# 2111
Delta R.T. -0.004 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41

Instrument :
BNA_N
ClientSampleId :
A11015

Tgt Ion:202 Resp: 25181
Ion Ratio Lower Upper
202 100
101 12.3 9.8 14.6
203 17.4 13.7 20.5

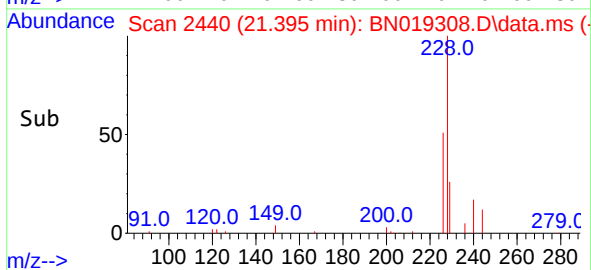
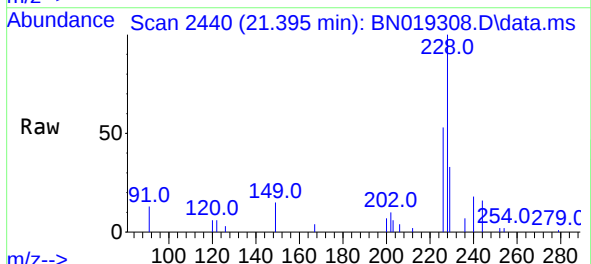
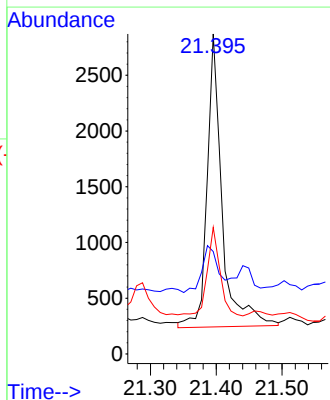
Manual Integrations
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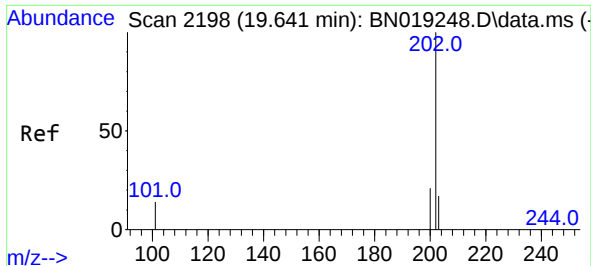
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.395 min Scan# 2440
Delta R.T. -0.009 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41

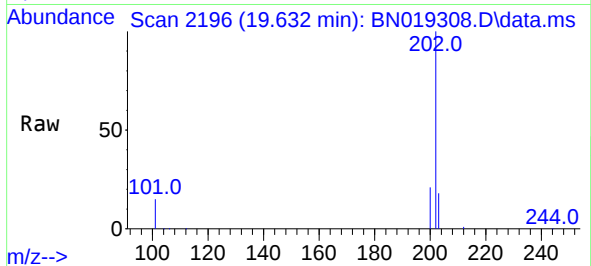
Tgt Ion:240 Resp: 4156
Ion Ratio Lower Upper
240 100
120 32.0 8.5 12.7#
236 39.6 22.4 33.6#





#30
Pyrene
Concen: 10.564 ng
RT: 19.632 min Scan# 2196
Delta R.T. -0.008 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41

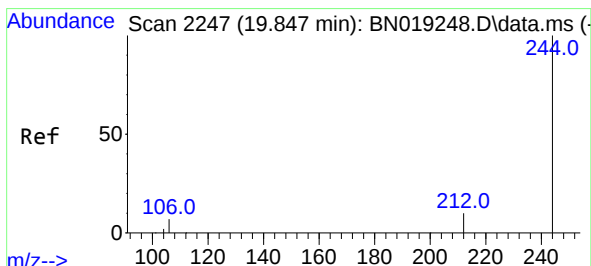
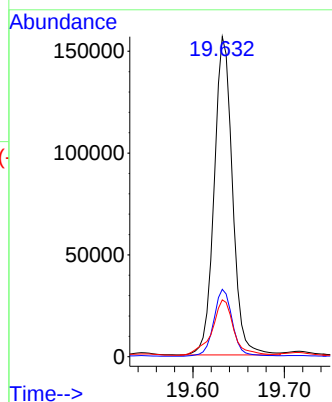
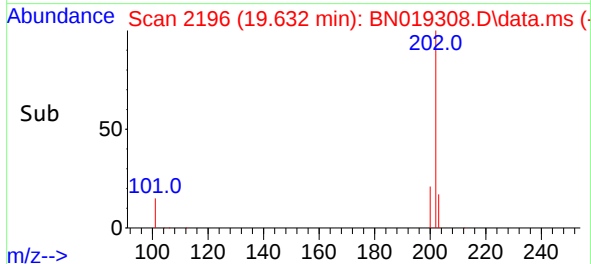
Instrument :
BNA_N
ClientSampleId :
A11015



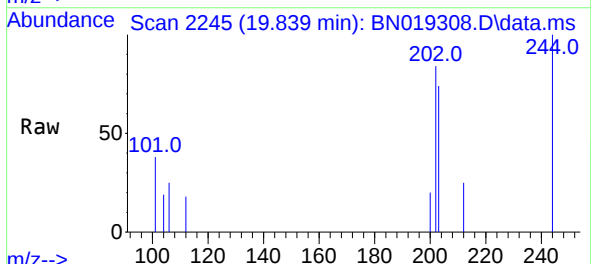
Tgt Ion:202 Resp: 21689
Ion Ratio Lower Upper
202 100
200 21.4 16.9 25.3
203 20.4 14.2 21.2

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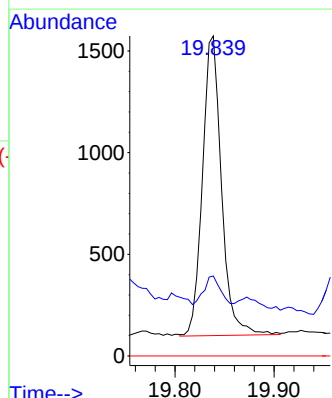
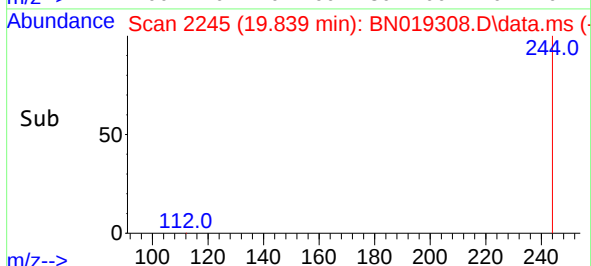
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022

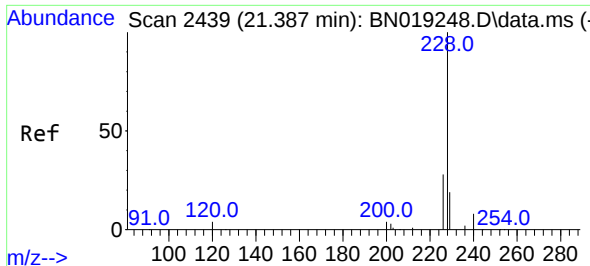


#31
Terphenyl-d14
Concen: 0.213 ng
RT: 19.839 min Scan# 2245
Delta R.T. -0.008 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41



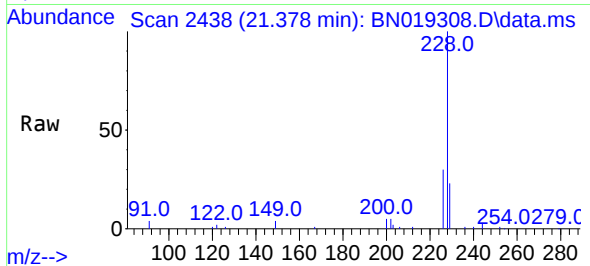
Tgt Ion:244 Resp: 1968
Ion Ratio Lower Upper
244 100
212 25.0 8.2 12.4#
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 5.498 ng m
RT: 21.378 min Scan# 2439
Delta R.T. -0.009 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41

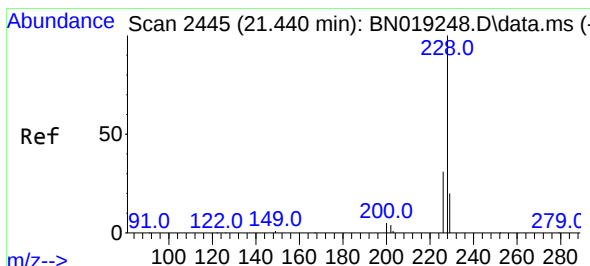
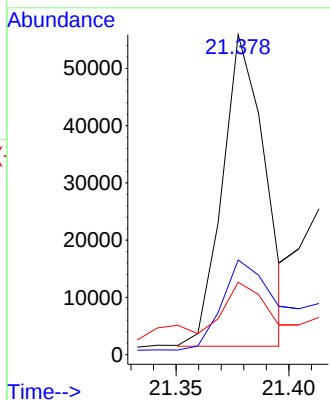
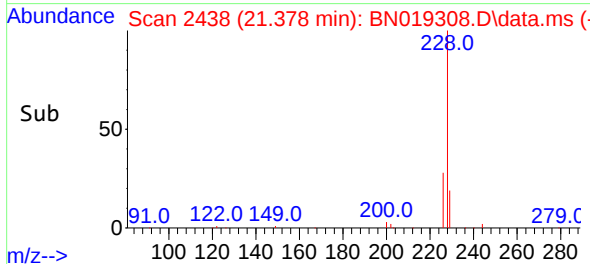
Instrument :
BNA_N
ClientSampleId :
A11015



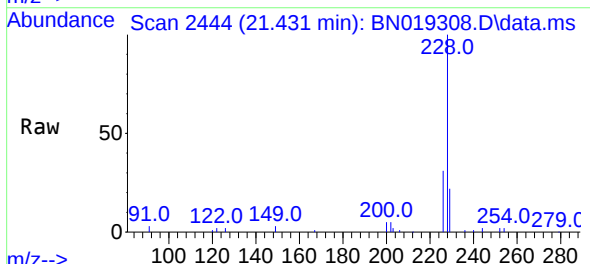
Tgt Ion:228 Resp: 71590
Ion Ratio Lower Upper
228 100
226 29.6 21.9 32.9
229 22.6 16.0 24.0

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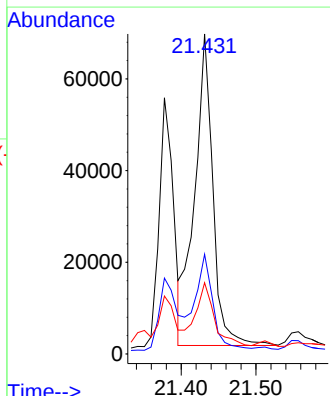
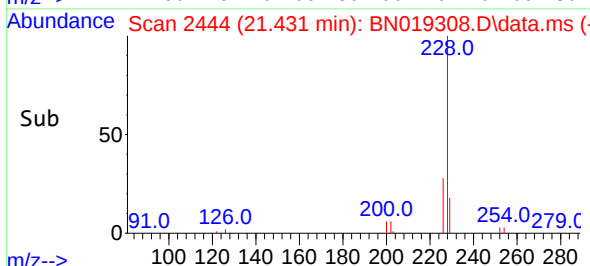
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022

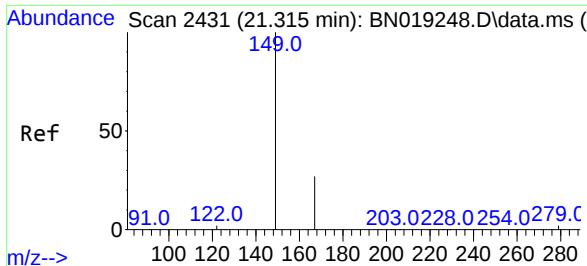


#33
Chrysene
Concen: 6.936 ng m
RT: 21.431 min Scan# 2444
Delta R.T. -0.009 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41



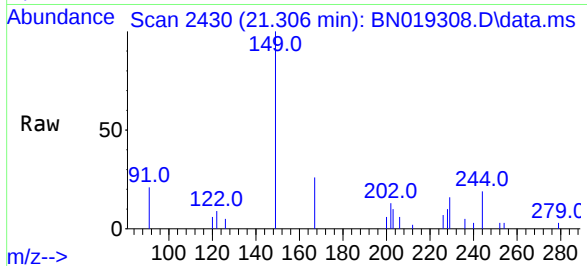
Tgt Ion:228 Resp: 115448
Ion Ratio Lower Upper
228 100
226 31.1 24.0 36.0
229 22.3 15.9 23.9





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 1.174 ng
 RT: 21.306 min Scan# 2431
 Delta R.T. -0.009 min
 Lab File: BN019308.D
 Acq: 02 Apr 2022 04:41

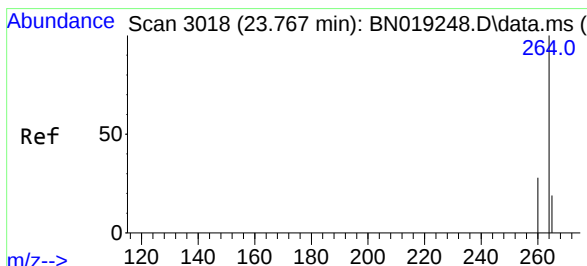
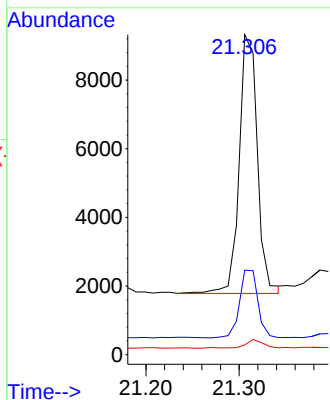
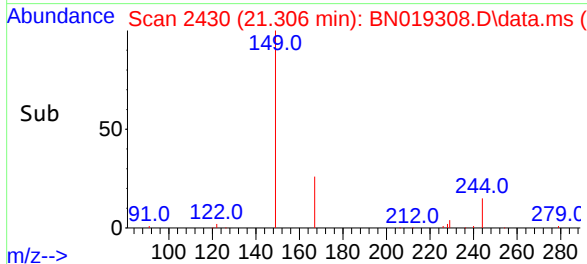
Instrument :
 BNA_N
 ClientSampleId :
 A11015



Tgt Ion:149 Resp: 10220
 Ion Ratio Lower Upper
 149 100
 167 26.5 21.8 32.8
 279 3.1 2.0 3.0

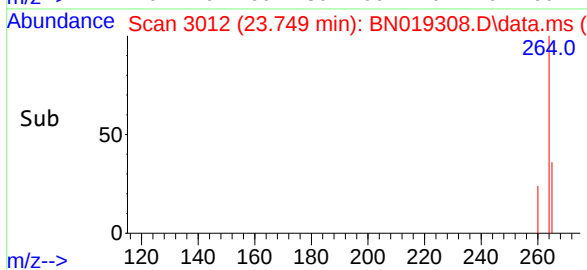
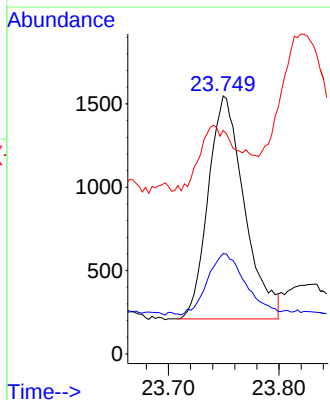
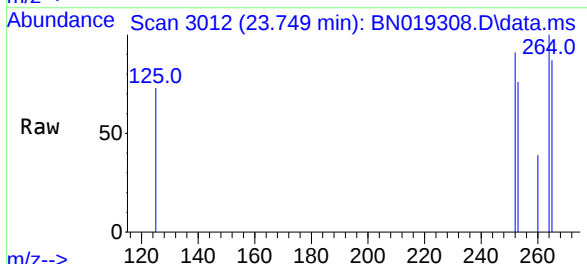
Manual Integrations
 APPROVED

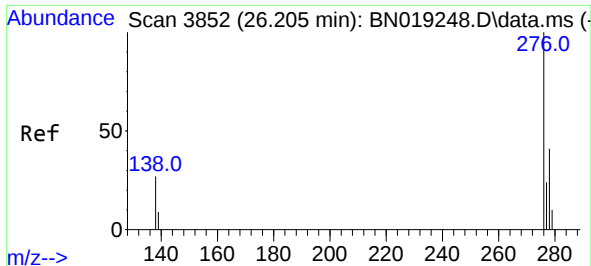
Reviewed By :Christian Giraldo 04/04/2022
 Supervised By :Jagrut Upadhyay 04/04/2022



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.749 min Scan# 3012
 Delta R.T. -0.018 min
 Lab File: BN019308.D
 Acq: 02 Apr 2022 04:41

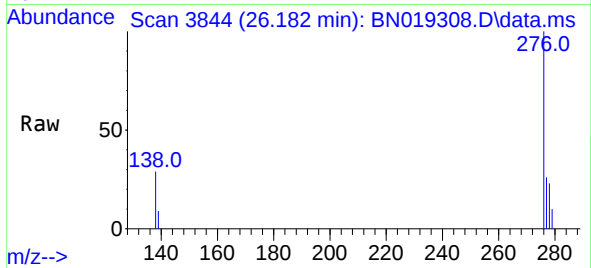
Tgt Ion:264 Resp: 3036
 Ion Ratio Lower Upper
 264 100
 260 39.0 22.4 33.6#
 265 86.6 25.3 37.9#





#36
Indeno(1,2,3-cd)pyrene
Concen: 2.087 ng
RT: 26.182 min Scan# 31
Delta R.T. -0.023 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41

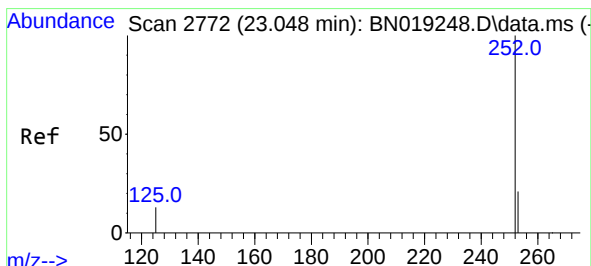
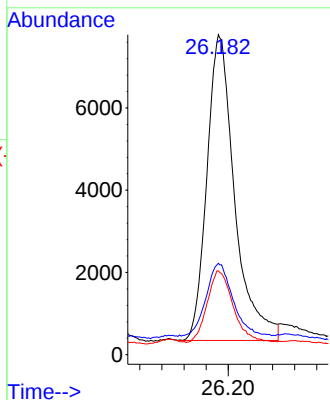
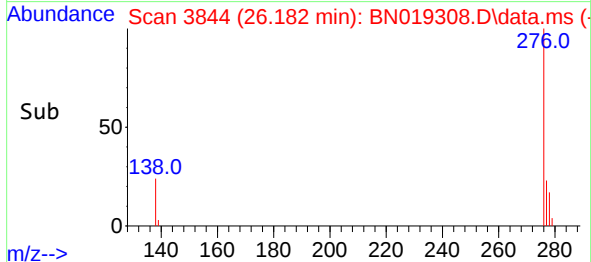
Instrument :
BNA_N
ClientSampleId :
A11015



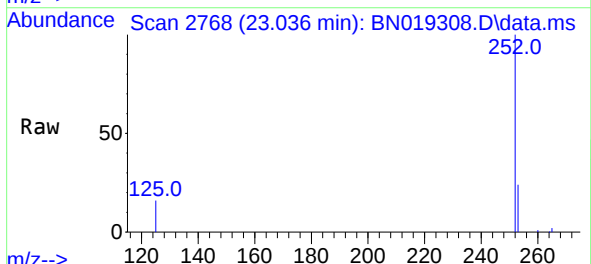
Tgt Ion: 276 Resp: 2589
Ion Ratio Lower Upper
276 100
138 23.3 24.5 36.7
277 21.9 19.8 29.8

Manual Integrations
APPROVED

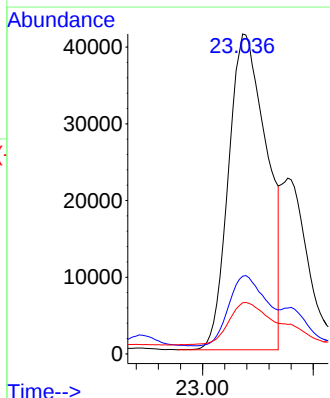
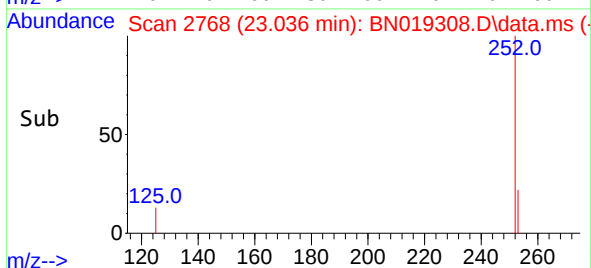
Reviewed By : Christian Giraldo 04/04/2022
Supervised By : Jagrut Upadhyay 04/04/2022

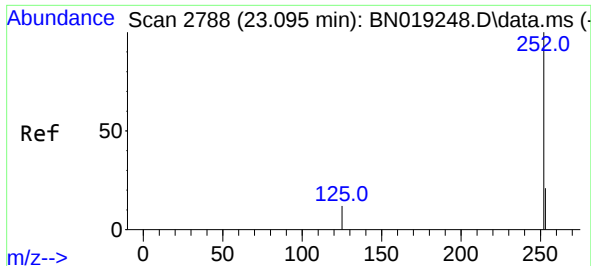


#37
Benzo(b)fluoranthene
Concen: 8.765 ng
RT: 23.036 min Scan# 2768
Delta R.T. -0.012 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41



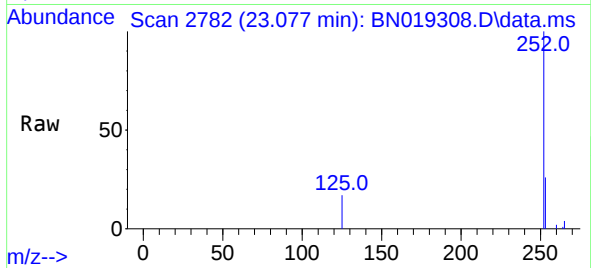
Tgt Ion: 252 Resp: 98854
Ion Ratio Lower Upper
252 100
253 24.3 18.9 28.3
125 16.0 12.1 18.1





#38
Benzo(k)fluoranthene
Concen: 3.010 ng m
RT: 23.077 min Scan# 21
Delta R.T. -0.018 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41

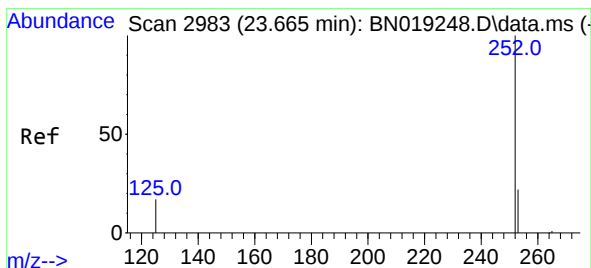
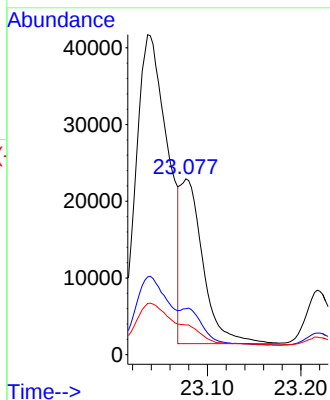
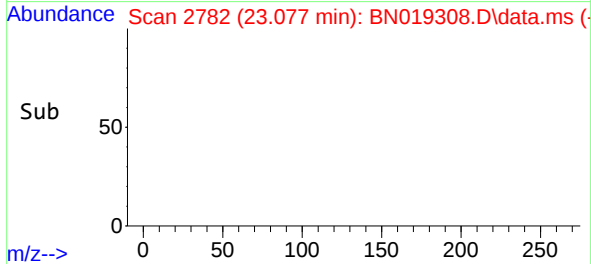
Instrument :
BNA_N
ClientSampleId :
A11015



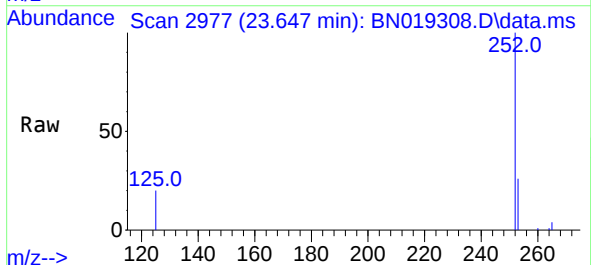
Tgt Ion:252 Resp: 36620
Ion Ratio Lower Upper
252 100
253 26.1 18.9 28.3
125 16.8 10.3 15.5

Manual Integrations
APPROVED

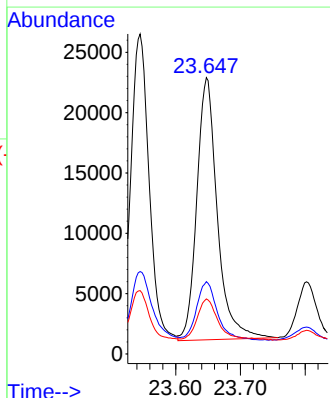
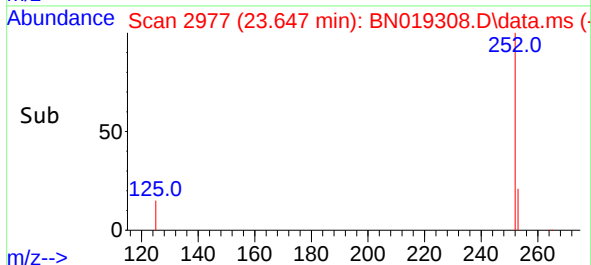
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022

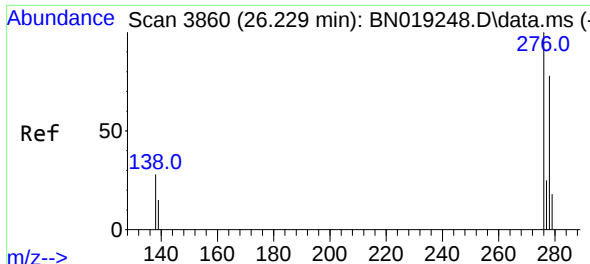


#39
Benzo(a)pyrene
Concen: 4.663 ng
RT: 23.647 min Scan# 2977
Delta R.T. -0.018 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41



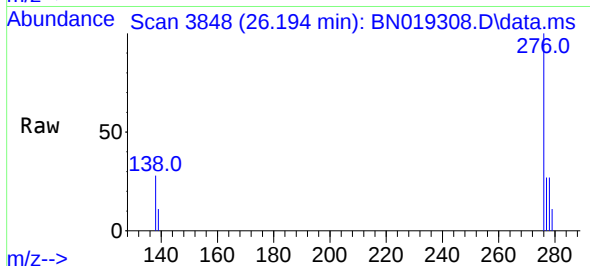
Tgt Ion:252 Resp: 47780
Ion Ratio Lower Upper
252 100
253 26.2 20.1 30.1
125 19.9 15.2 22.8





#40
Dibenzo(a,h)anthracene
Concen: 0.668 ng
RT: 26.194 min Scan# 3099
Delta R.T. -0.035 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41

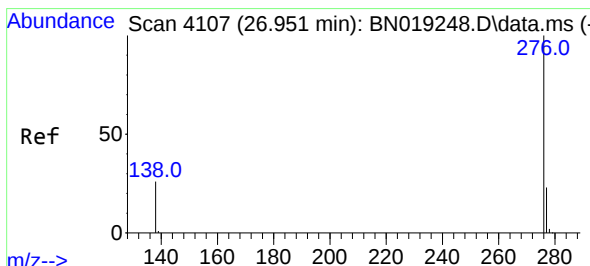
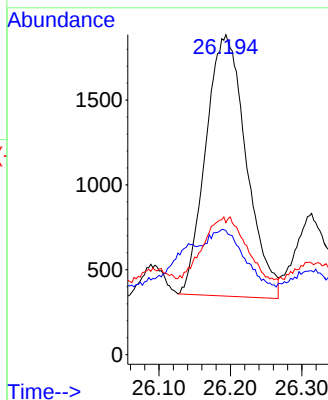
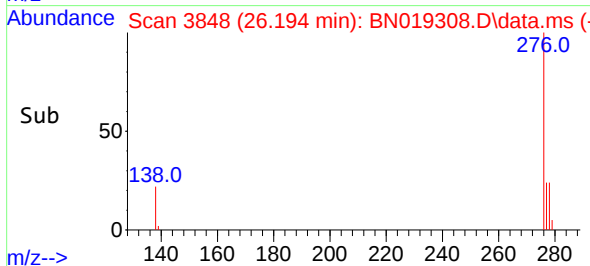
Instrument :
BNA_N
ClientSampleId :
A11015



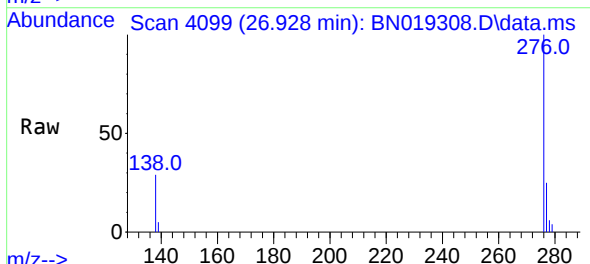
Tgt Ion:278 Resp: 6049
Ion Ratio Lower Upper
278 100
139 38.8 17.2 25.8
279 41.3 19.9 29.9

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 2.274 ng
RT: 26.928 min Scan# 4099
Delta R.T. -0.023 min
Lab File: BN019308.D
Acq: 02 Apr 2022 04:41



Tgt Ion:276 Resp: 28784
Ion Ratio Lower Upper
276 100
277 25.2 19.4 29.0
138 28.8 21.0 31.6

