

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN033122\
 Data File : BN019309.D
 Acq On : 02 Apr 2022 05:17
 Operator : CG/JU
 Sample : N2220-01 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A10015

Manual Integrations
 APPROVED

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

Quant Time: Apr 02 05:48:07 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	962	0.400	ng	# 0.00
7) Naphthalene-d8	10.637	136	2973	0.400	ng	# 0.00
13) Acenaphthene-d10	14.474	164	2065	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	4119	0.400	ng	#-0.01
29) Chrysene-d12	21.395	240	3657	0.400	ng	# 0.00
35) Perylene-d12	23.752	264	2985	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.392	112	530	0.252	ng	0.00
5) Phenol-d6	7.009	99	380	0.170	ng	0.01
8) Nitrobenzene-d5	9.014	82	389	0.182	ng	0.02
11) 2-Methylnaphthalene-d10	12.227	152	1248	0.264	ng	0.00
14) 2,4,6-Tribromophenol	15.964	330	172	0.178	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	1732	0.209	ng	0.00
27) Fluoranthene-d10	19.240	212	2262	0.183	ng	0.00
31) Terphenyl-d14	19.839	244	1406	0.173	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.690	128	6421	0.745	ng	# 95
12) 2-Methylnaphthalene	12.303	142	6383	1.148	ng	99
16) Acenaphthylene	14.185	152	8050	0.846	ng	97
17) Acenaphthene	14.527	154	947	0.140	ng	# 94
18) Fluorene	15.521	166	1464	0.173	ng	# 85
25) Phenanthrene	17.246	178	39656	3.058	ng	100
26) Anthracene	17.349	178	8506	0.793	ng	# 94
28) Fluoranthene	19.270	202	108289	7.000	ng	100
30) Pyrene	19.632	202	103540	5.731	ng	96
32) Benzo(a)anthracene	21.378	228	43011m	3.754	ng	
33) Chrysene	21.431	228	61662m	4.210	ng	
34) Bis(2-ethylhexyl)phtha...	21.306	149	2718	0.355	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.182	276	19292	1.581	ng	# 87
37) Benzo(b)fluoranthene	23.039	252	59819	5.395	ng	99
38) Benzo(k)fluoranthene	23.077	252	23860m	1.995	ng	
39) Benzo(a)pyrene	23.647	252	33046	3.280	ng	99
40) Dibenzo(a,h)anthracene	26.188	278	4344	0.488	ng	# 71
41) Benzo(g,h,i)perylene	26.927	276	20481	1.646	ng	98

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

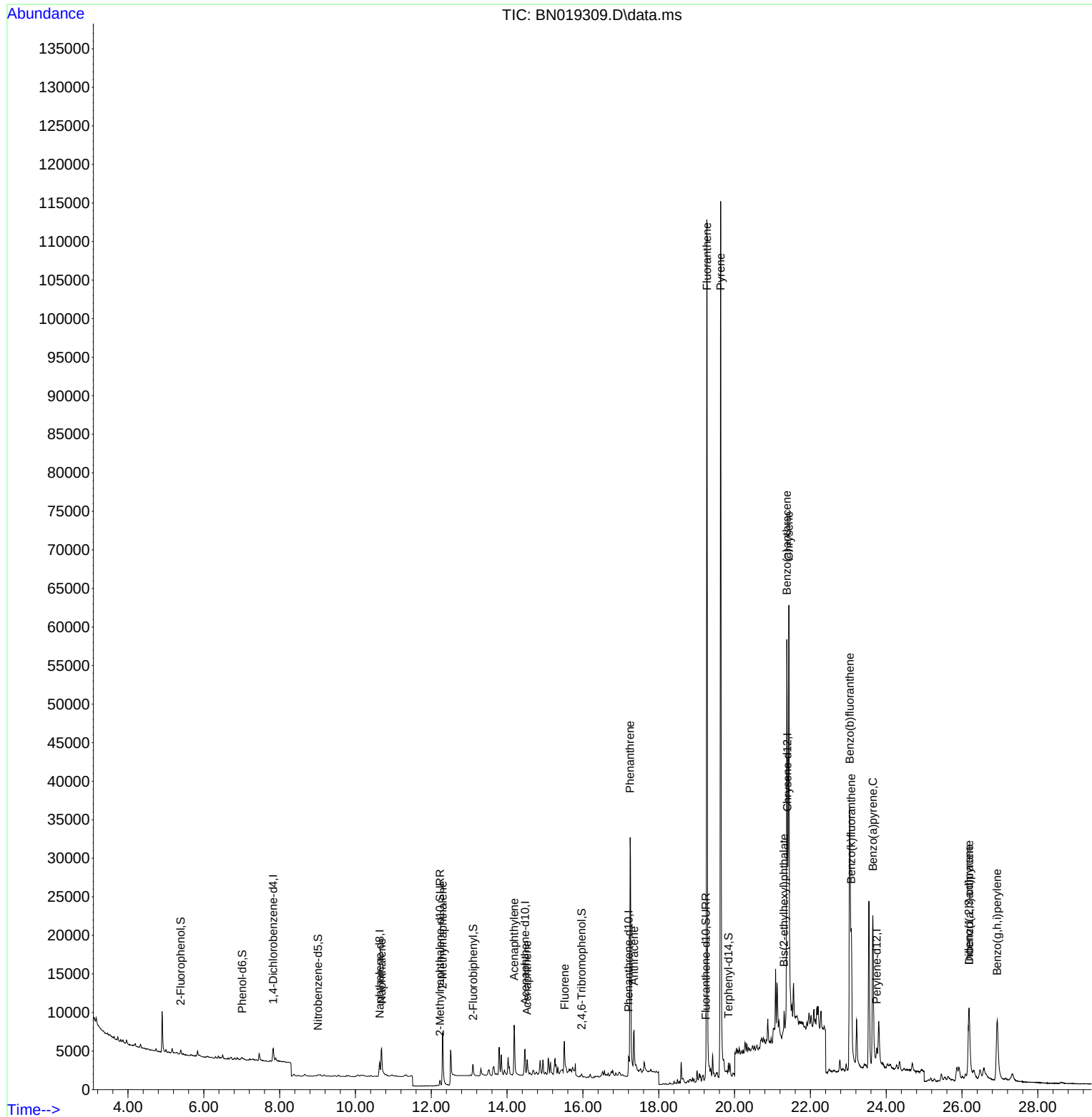
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN033122\
Data File : BN019309.D
Acq On : 02 Apr 2022 05:17
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Sample : N2220-01 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

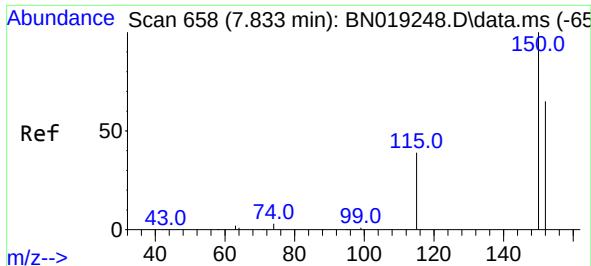
Instrument :
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ClientSampleId :
A10015

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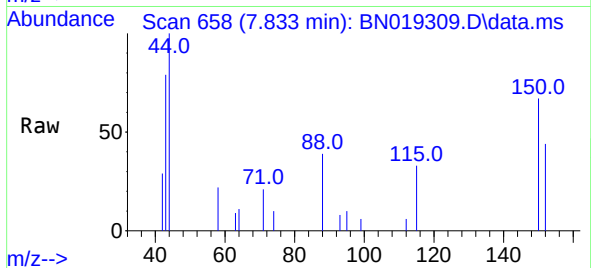
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 658
Delta R.T. -0.000 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17

Instrument :

BNA_N

ClientSampleId :

A10015

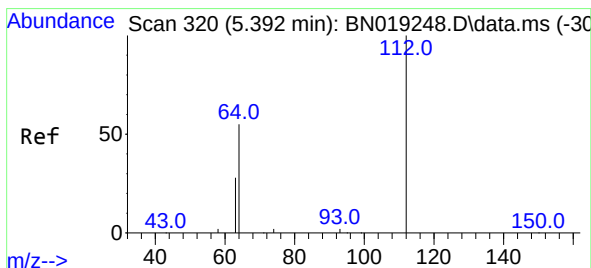
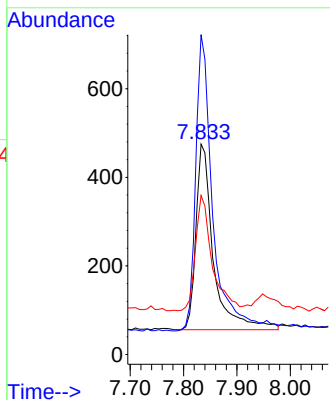
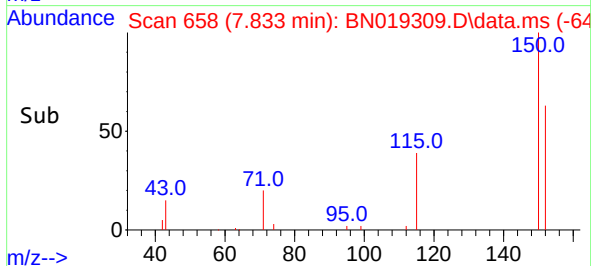


Tgt Ion:152 Resp: 962
Ion Ratio Lower Upper
152 100
150 152.0 123.9 185.9
115 75.6 48.2 72.4

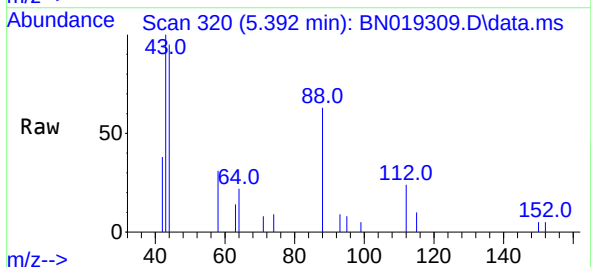
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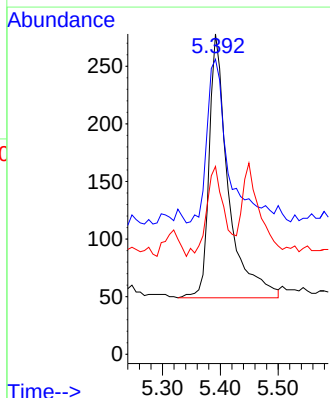
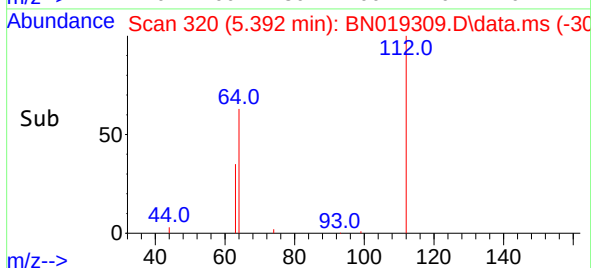
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Supervised By :Jagrut Upadhyay 04/04/2022

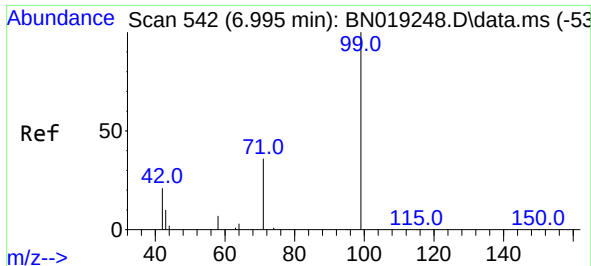


#4
2-Fluorophenol
Concen: 0.252 ng
RT: 5.392 min Scan# 320
Delta R.T. -0.000 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17



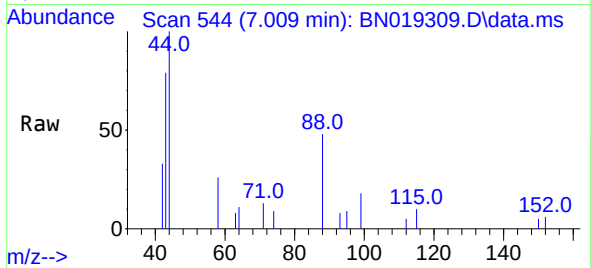
Tgt Ion:112 Resp: 530
Ion Ratio Lower Upper
112 100
64 68.7 47.8 71.8
63 31.7 25.7 38.5





#5
Phenol-d6
Concen: 0.170 ng
RT: 7.009 min Scan# 544
Delta R.T. 0.014 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17

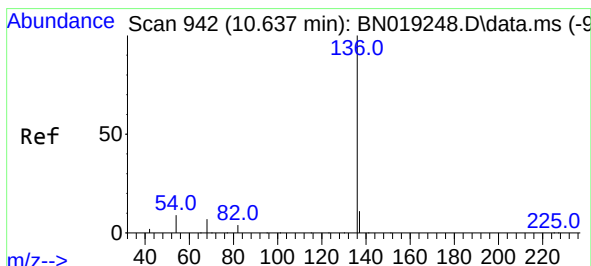
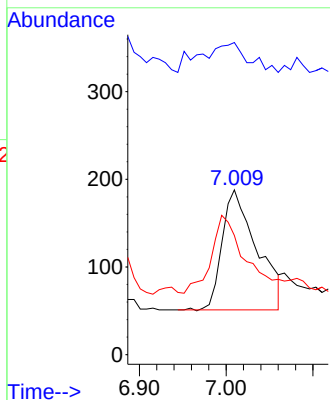
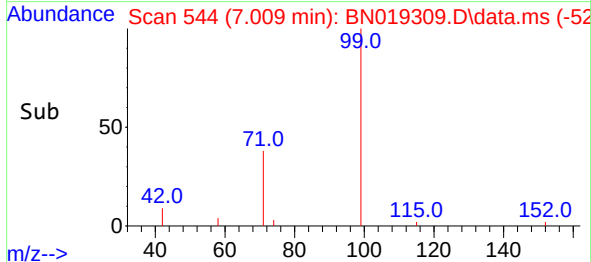
Instrument :
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ClientSampleId :
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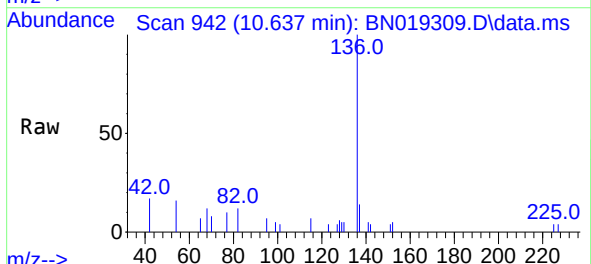
Tgt Ion: 99 Resp: 380
Ion Ratio Lower Upper
99 100
42 33.2 16.2 24.4#
71 64.7 27.7 41.5#

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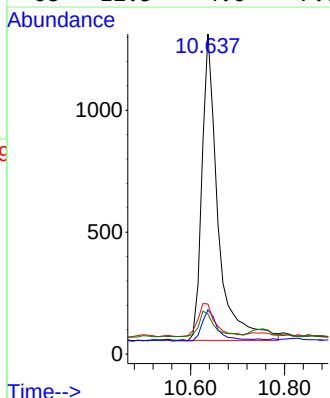
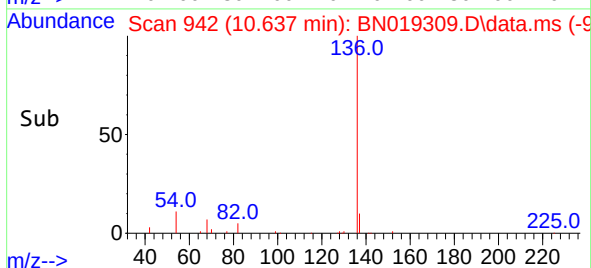
Reviewed By :Christian Giraldo 04/04/2022
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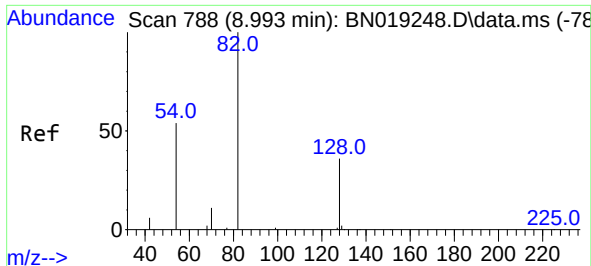


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 942
Delta R.T. -0.000 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17



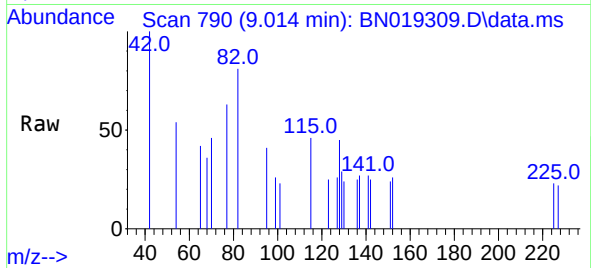
Tgt Ion:136 Resp: 2973
Ion Ratio Lower Upper
136 100
137 13.8 9.0 13.4#
54 15.6 5.8 8.6#
68 12.5 4.6 7.0#





#8
Nitrobenzene-d5
Concen: 0.182 ng
RT: 9.014 min Scan# 788
Delta R.T. 0.021 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17

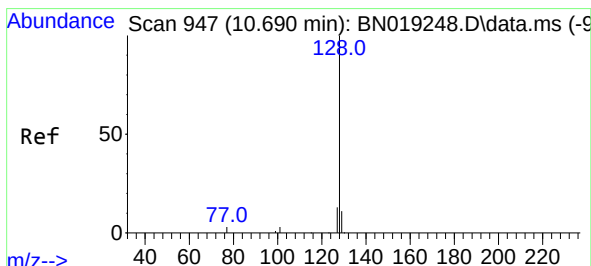
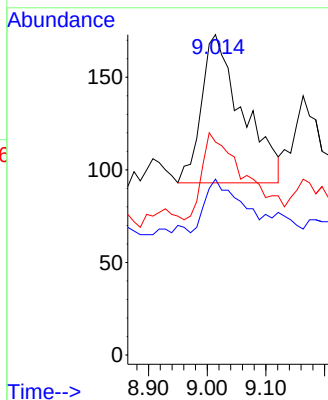
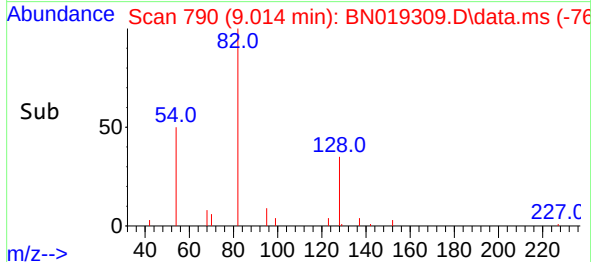
Instrument :
BNA_N
ClientSampleId :
A10015



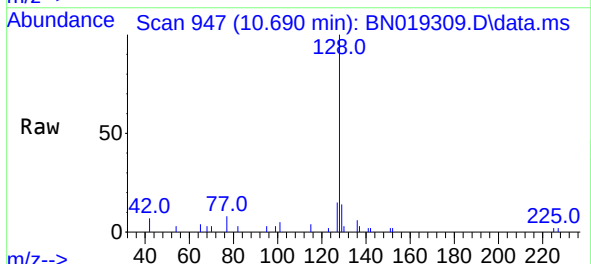
Tgt Ion: 82 Resp: 389
Ion Ratio Lower Upper
82 100
128 54.9 33.0 49.6
54 66.5 42.5 63.7

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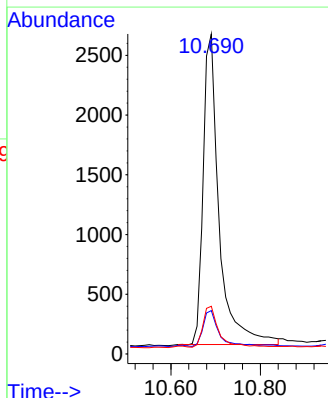
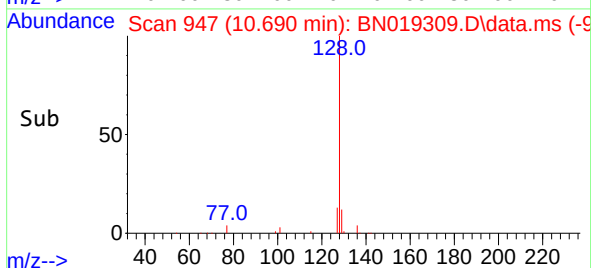
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022

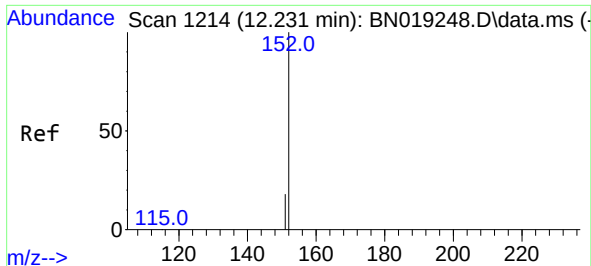


#9
Naphthalene
Concen: 0.745 ng
RT: 10.690 min Scan# 947
Delta R.T. -0.000 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17



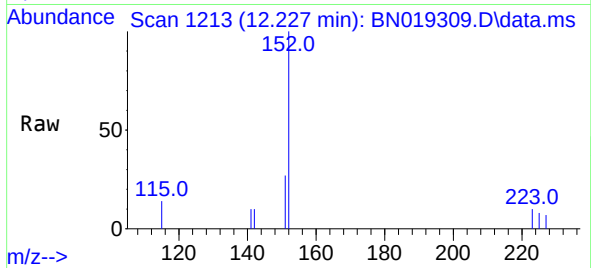
Tgt Ion:128 Resp: 6421
Ion Ratio Lower Upper
128 100
129 13.6 9.0 13.4
127 14.9 10.7 16.1





#11
2-Methylnaphthalene-d10
Concen: 0.264 ng
RT: 12.227 min Scan# 1213
Delta R.T. -0.004 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17

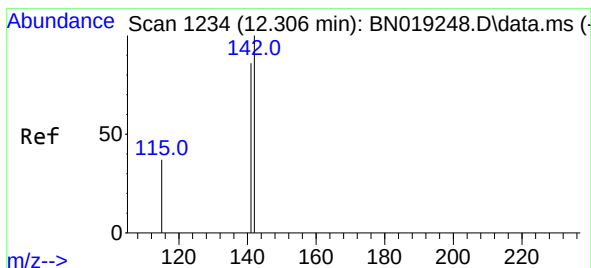
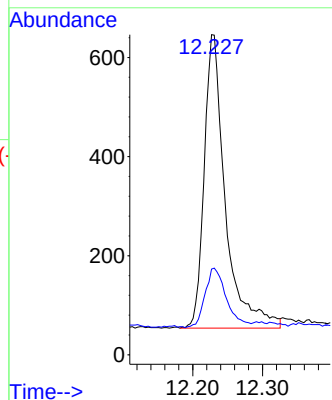
Instrument :
BNA_N
ClientSampleId :
A10015



Tgt Ion:152 Resp: 1248
Ion Ratio Lower Upper
152 100
151 20.6 16.5 24.7

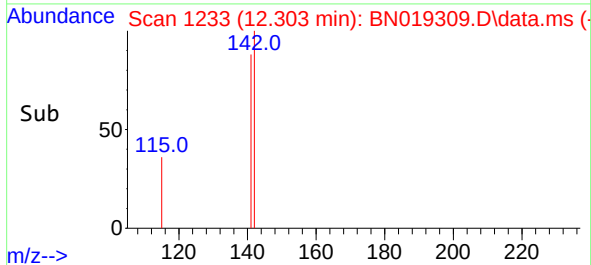
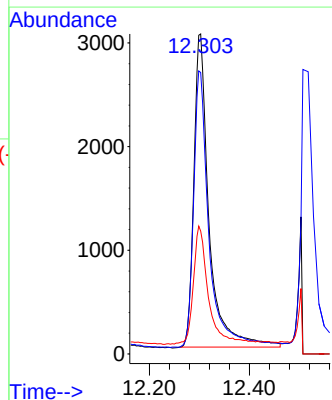
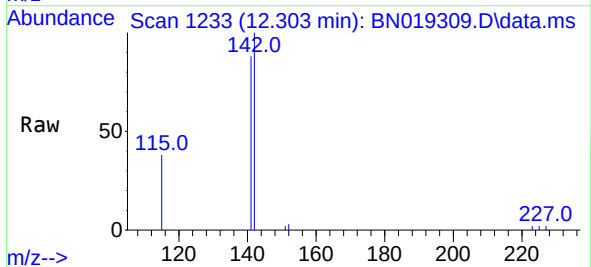
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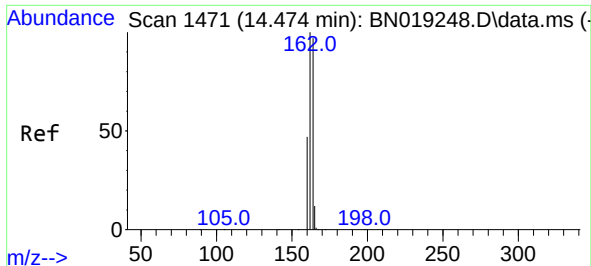
Reviewed By :Christian Giraldo 04/04/2022
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#12
2-Methylnaphthalene
Concen: 1.148 ng
RT: 12.303 min Scan# 1233
Delta R.T. -0.004 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17

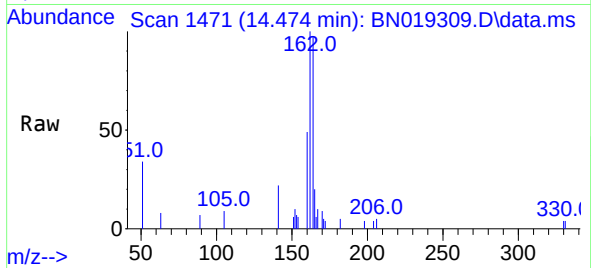
Tgt Ion:142 Resp: 6383
Ion Ratio Lower Upper
142 100
141 87.9 70.0 105.0
115 38.4 29.8 44.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.474 min Scan# 1471
Delta R.T. -0.000 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17

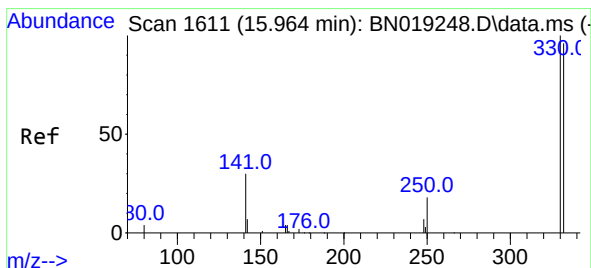
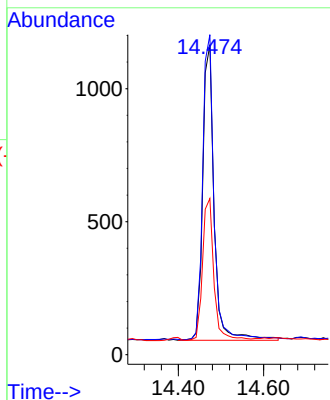
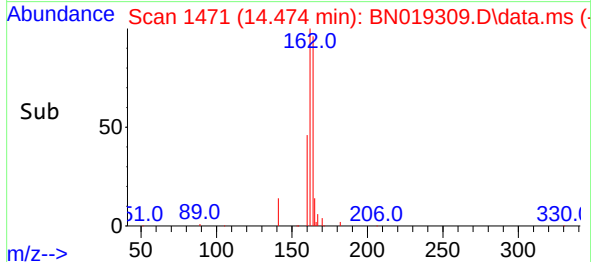
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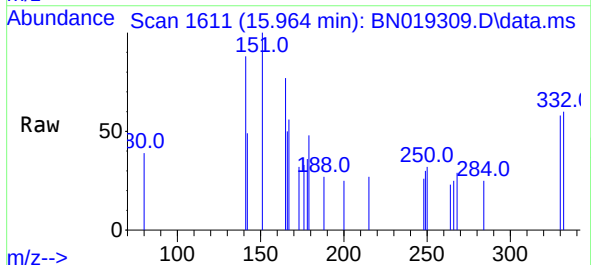
Tgt Ion:164 Resp: 206
Ion Ratio Lower Upper
164 100
162 103.3 85.2 127.8
160 50.4 41.5 62.3

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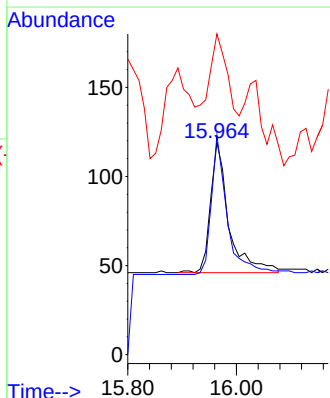
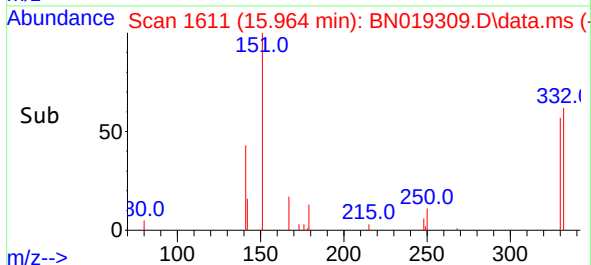
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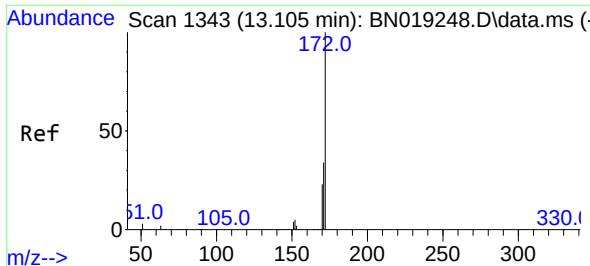


#14
2,4,6-Tribromophenol
Concen: 0.178 ng
RT: 15.964 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17



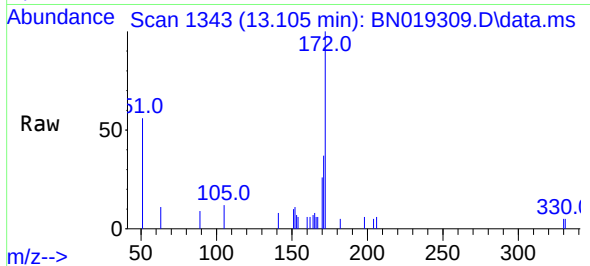
Tgt Ion:330 Resp: 172
Ion Ratio Lower Upper
330 100
332 91.9 76.8 115.2
141 58.1 32.2 48.2#





#15
2-Fluorobiphenyl
Concen: 0.209 ng
RT: 13.105 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17

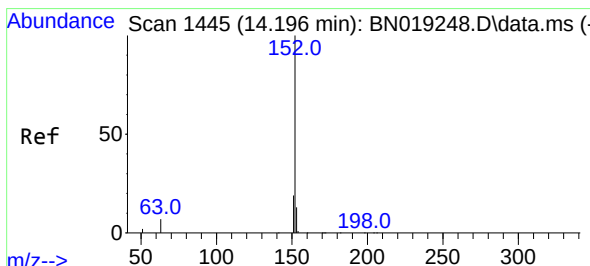
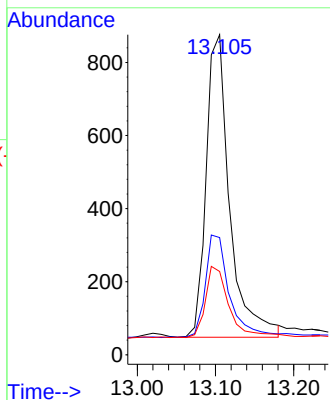
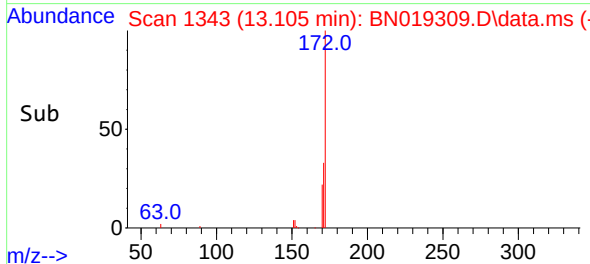
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Tgt Ion:172 Resp: 173
Ion Ratio Lower Upper
172 100
171 36.6 28.2 42.2
170 26.0 18.7 28.1

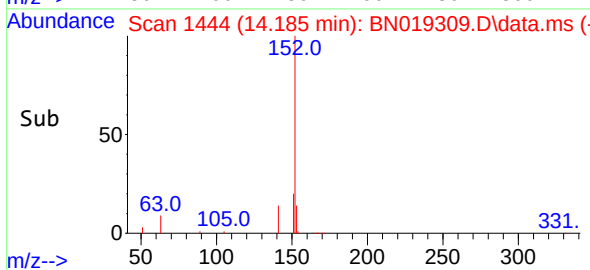
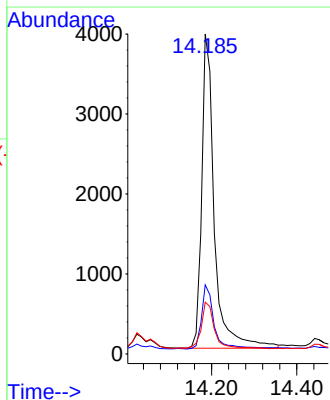
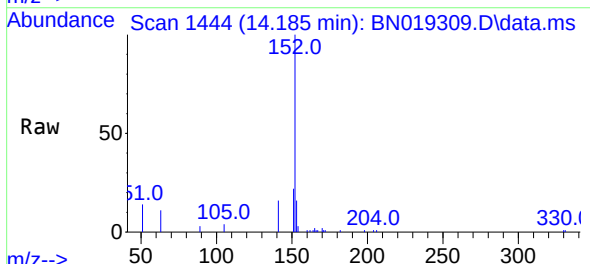
Manual Integrations
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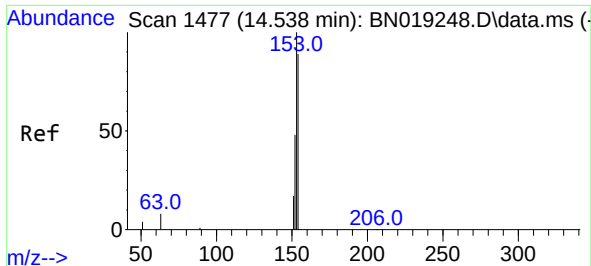
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#16
Acenaphthylene
Concen: 0.846 ng
RT: 14.185 min Scan# 1444
Delta R.T. -0.011 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17

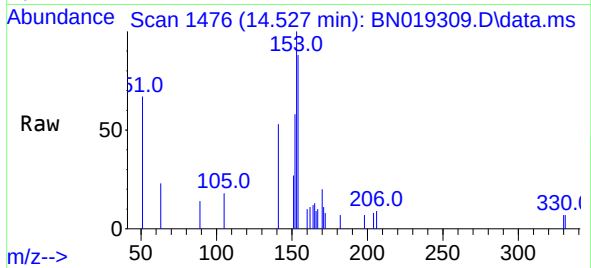
Tgt Ion:152 Resp: 8050
Ion Ratio Lower Upper
152 100
151 20.2 15.9 23.9
153 15.6 10.6 15.8





#17
Acenaphthene
Concen: 0.140 ng
RT: 14.527 min Scan# 1477
Delta R.T. -0.011 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17

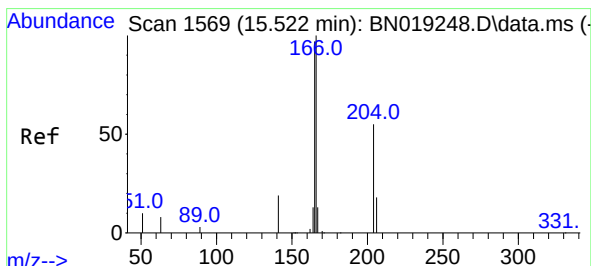
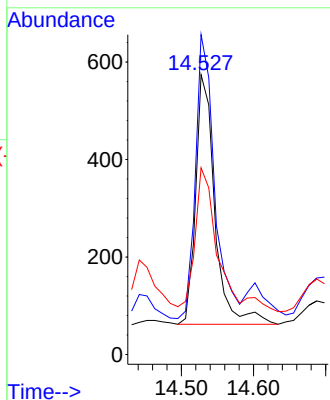
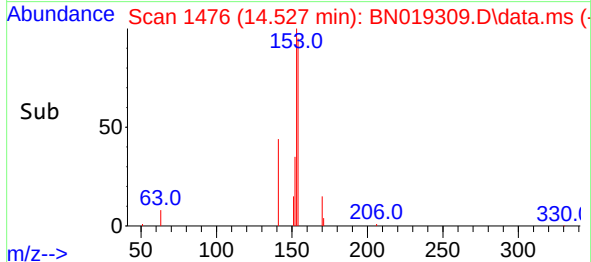
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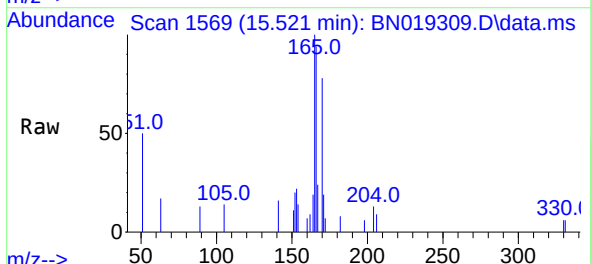
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Ion Ratio Lower Upper
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153 112.2 89.7 134.5
152 68.8 44.7 67.1

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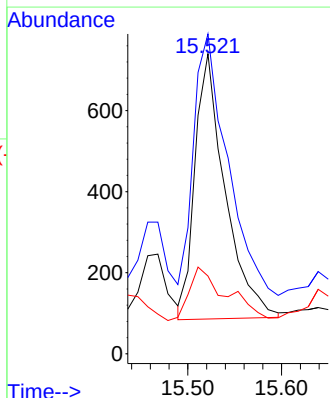
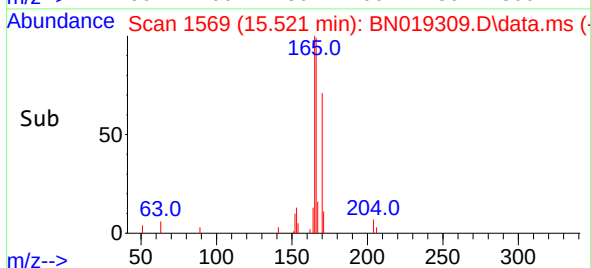
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022

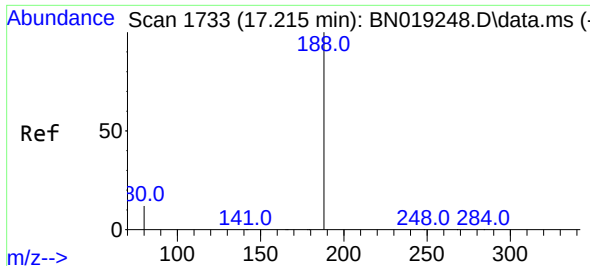


#18
Fluorene
Concen: 0.173 ng
RT: 15.521 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17



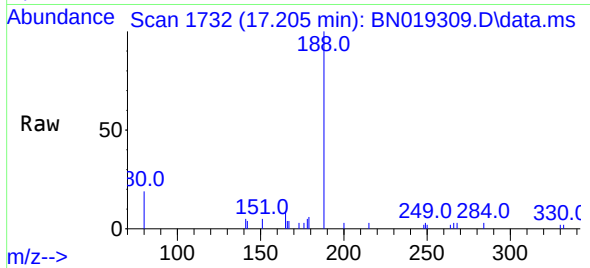
Tgt Ion:166 Resp: 1464
Ion Ratio Lower Upper
166 100
165 111.7 79.2 118.8
167 25.3 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1732
Delta R.T. -0.010 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17

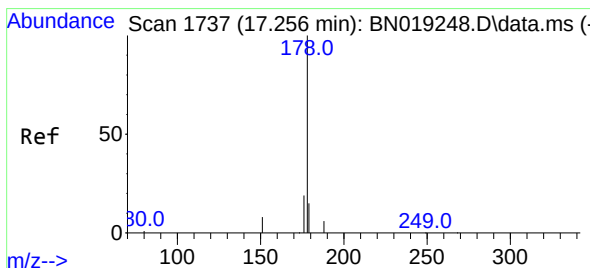
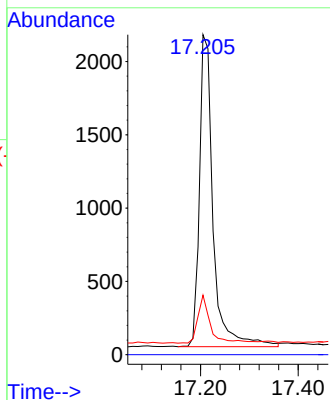
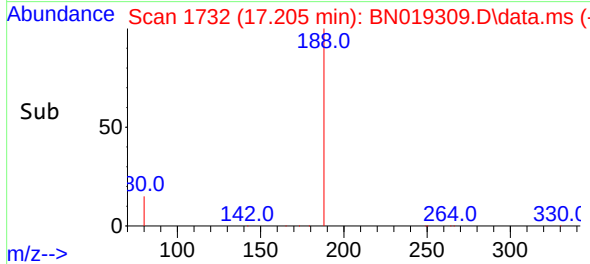
Instrument :
BNA_N
ClientSampleId :
A10015



Tgt Ion:188 Resp: 4119
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 18.6 11.8 17.8

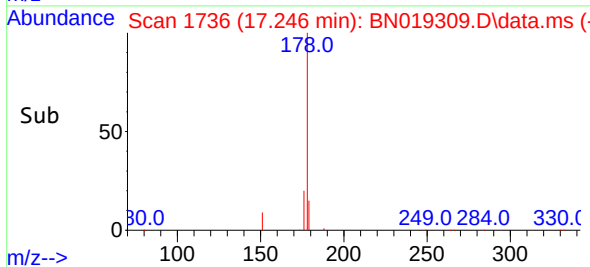
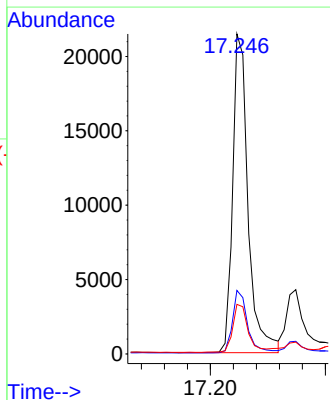
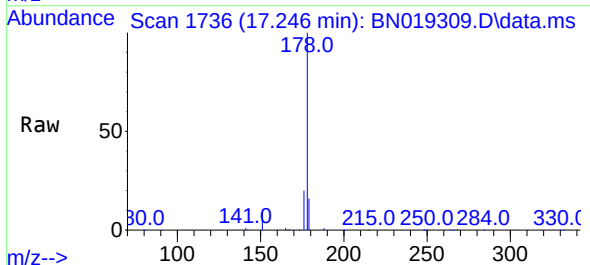
Manual Integrations
APPROVED

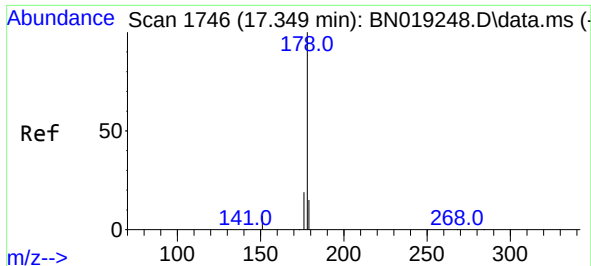
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#25
Phenanthrene
Concen: 3.058 ng
RT: 17.246 min Scan# 1736
Delta R.T. -0.010 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17

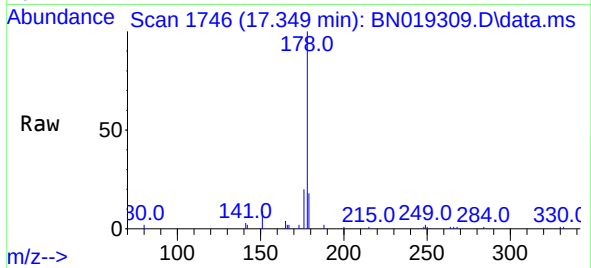
Tgt Ion:178 Resp: 39656
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.1 12.2 18.2





#26
 Anthracene
 Concen: 0.793 ng
 RT: 17.349 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN019309.D
 Acq: 02 Apr 2022 05:17

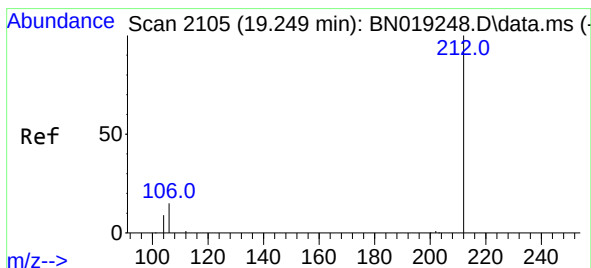
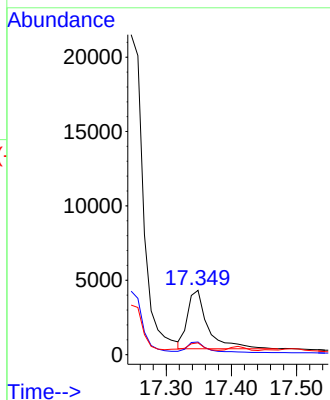
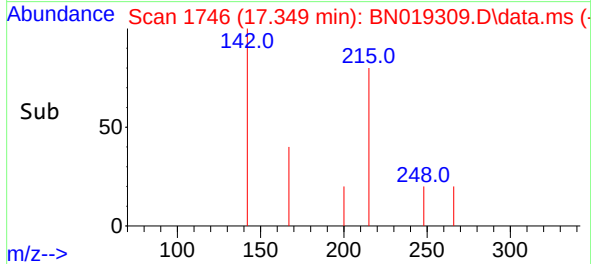
Instrument :
 BNA_N
 ClientSampleId :
 A10015



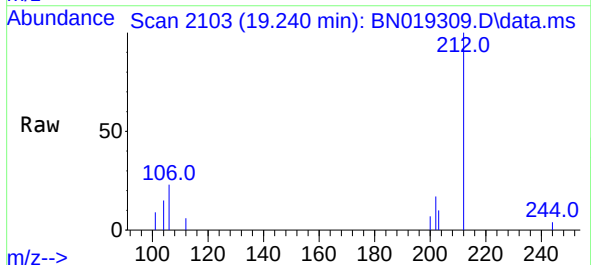
Tgt Ion:178 Resp: 8500
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.8 22.2
 179 10.2 12.2 18.4

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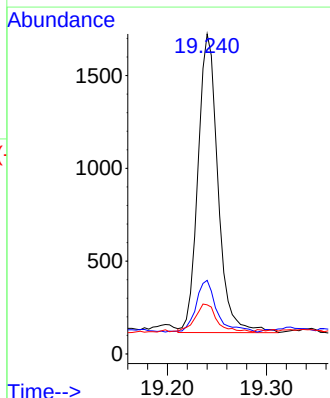
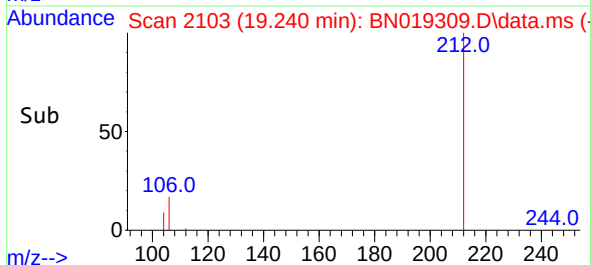
Reviewed By :Christian Giraldo 04/04/2022
 Supervised By :Jagrut Upadhyay 04/04/2022

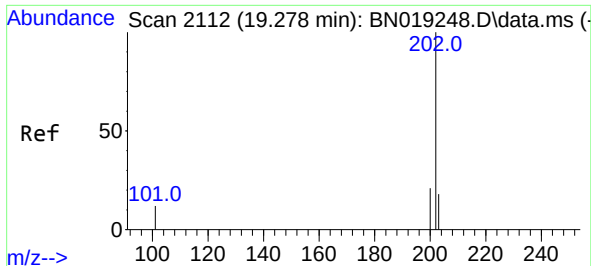


#27
 Fluoranthene-d10
 Concen: 0.183 ng
 RT: 19.240 min Scan# 2103
 Delta R.T. -0.008 min
 Lab File: BN019309.D
 Acq: 02 Apr 2022 05:17



Tgt Ion:212 Resp: 2262
 Ion Ratio Lower Upper
 212 100
 106 17.9 12.7 19.1
 104 9.9 7.1 10.7





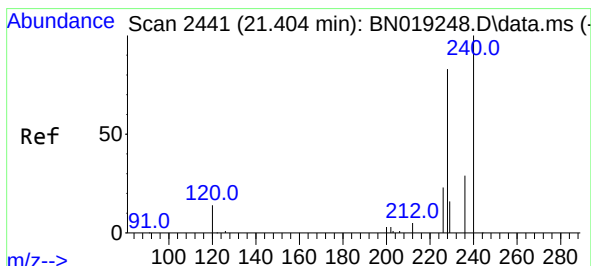
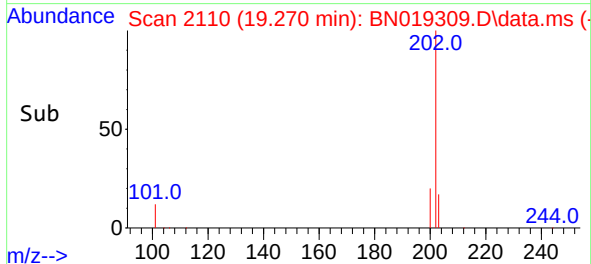
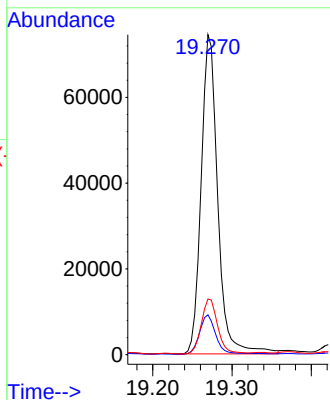
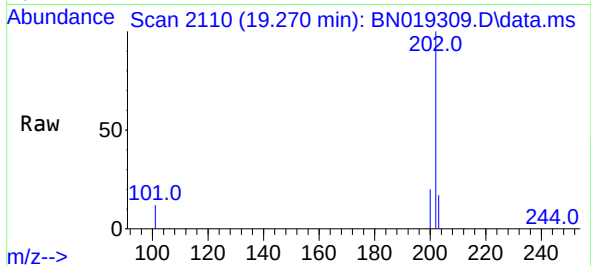
#28
Fluoranthene
Concen: 7.000 ng
RT: 19.270 min Scan# 2112
Delta R.T. -0.008 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17

Instrument :
BNA_N
ClientSampleId :
A10015

Tgt Ion:202 Resp: 108289
Ion Ratio Lower Upper
202 100
101 12.0 9.8 14.6
203 17.0 13.7 20.5

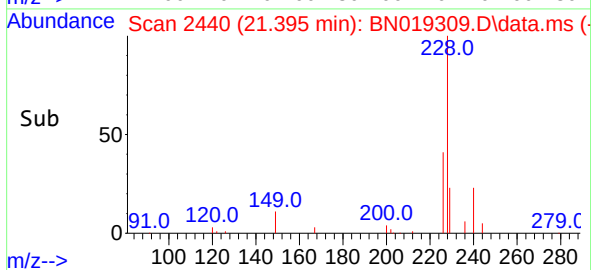
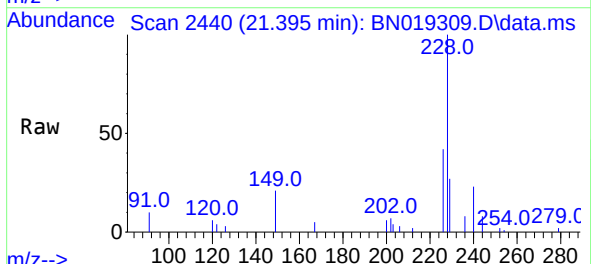
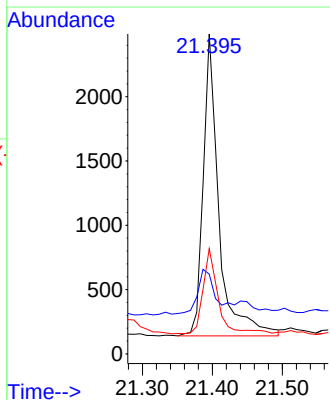
Manual Integrations
APPROVED

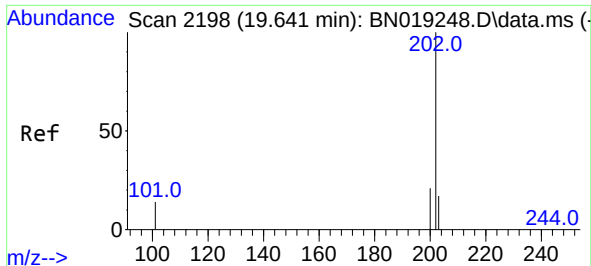
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.395 min Scan# 2440
Delta R.T. -0.009 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17

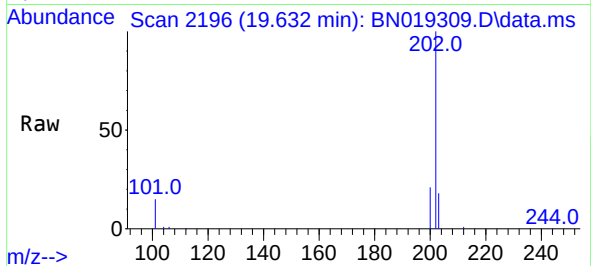
Tgt Ion:240 Resp: 3657
Ion Ratio Lower Upper
240 100
120 25.0 8.5 12.7#
236 32.9 22.4 33.6





#30
Pyrene
Concen: 5.731 ng
RT: 19.632 min Scan# 2196
Delta R.T. -0.008 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17

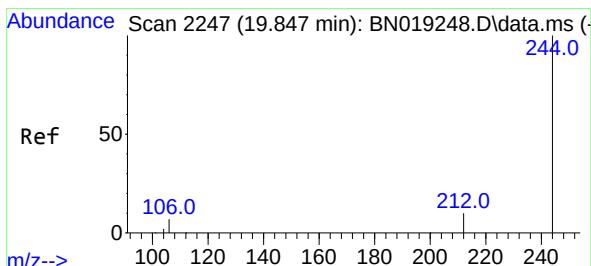
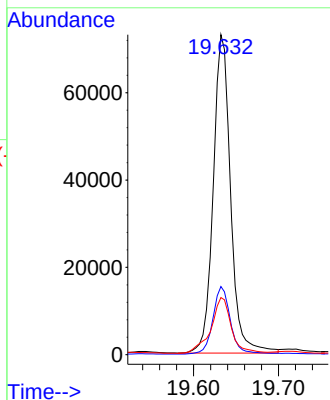
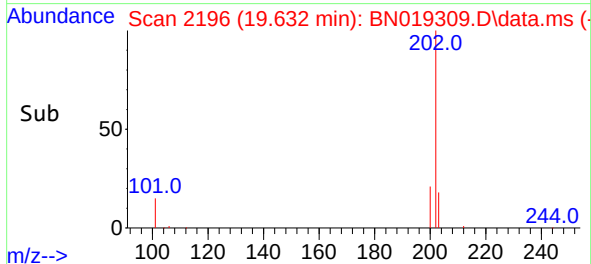
Instrument :
BNA_N
ClientSampleId :
A10015



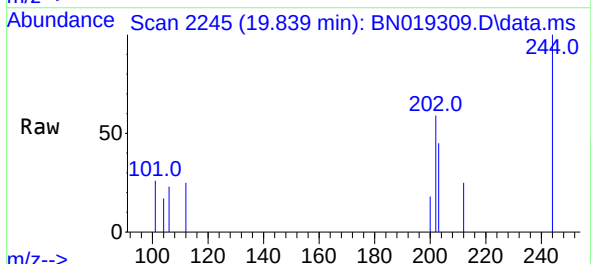
Tgt Ion:202 Resp: 103540
Ion Ratio Lower Upper
202 100
200 21.9 16.9 25.3
203 20.7 14.2 21.2

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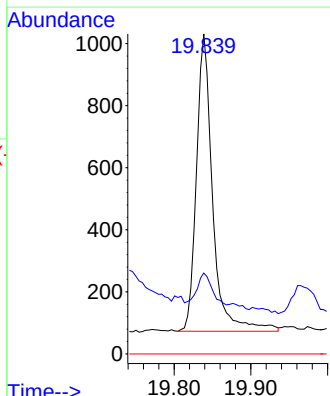
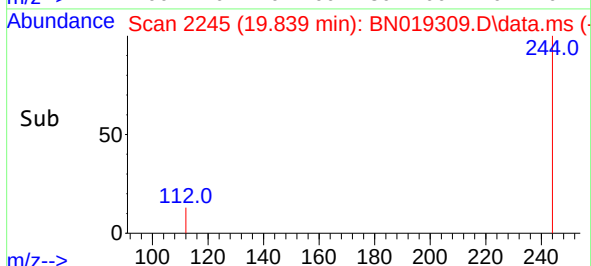
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022

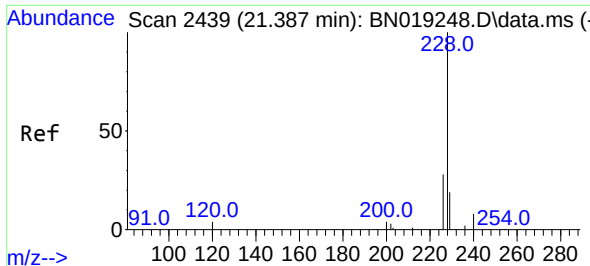


#31
Terphenyl-d14
Concen: 0.173 ng
RT: 19.839 min Scan# 2245
Delta R.T. -0.008 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17



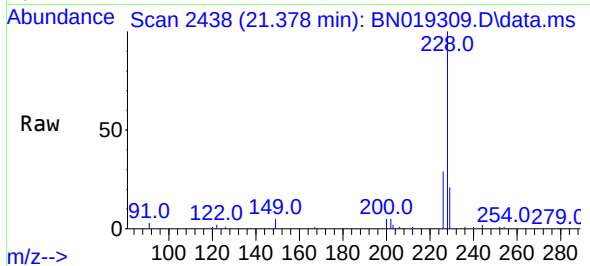
Tgt Ion:244 Resp: 1406
Ion Ratio Lower Upper
244 100
212 25.3 8.2 12.4#
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 3.754 ng m
RT: 21.378 min Scan# 2439
Delta R.T. -0.009 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17

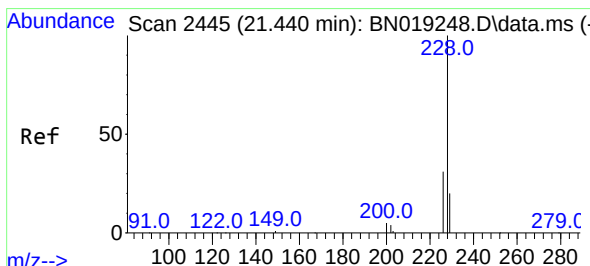
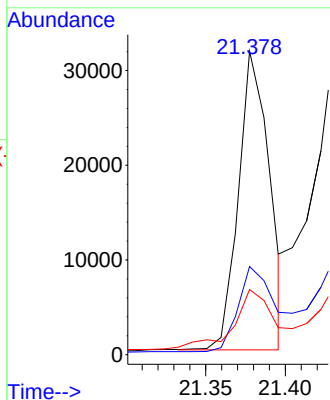
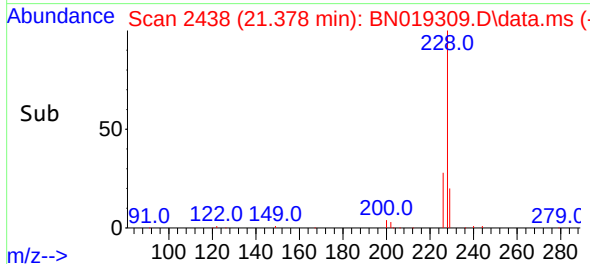
Instrument :
BNA_N
ClientSampleId :
A10015



Tgt Ion:228 Resp: 4301
Ion Ratio Lower Upper
228 100
226 29.0 21.9 32.9
229 21.5 16.0 24.0

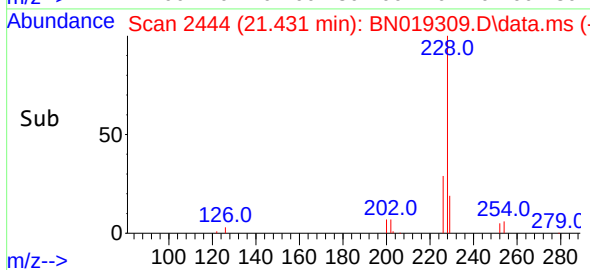
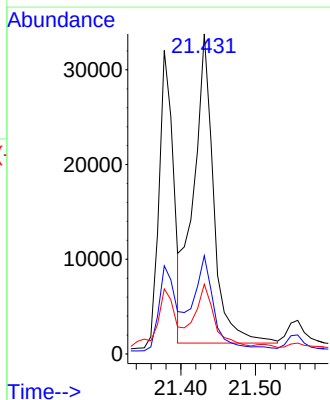
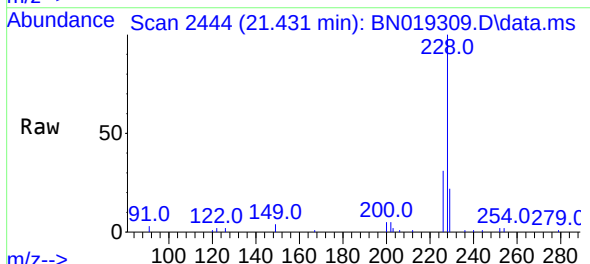
Manual Integrations
APPROVED

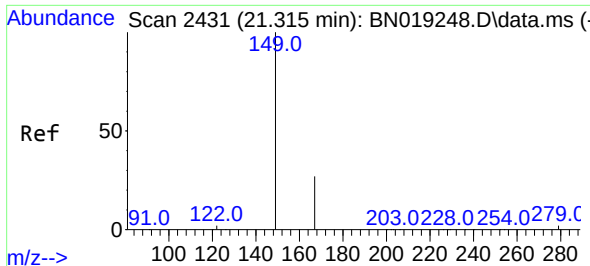
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#33
Chrysene
Concen: 4.210 ng m
RT: 21.431 min Scan# 2444
Delta R.T. -0.009 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17

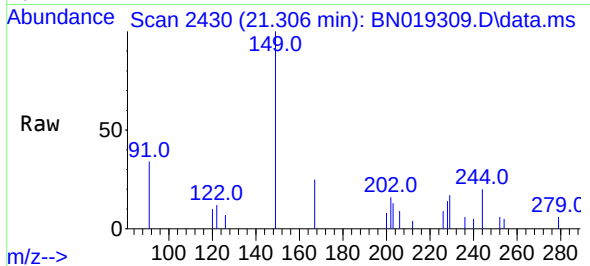
Tgt Ion:228 Resp: 61662
Ion Ratio Lower Upper
228 100
226 30.7 24.0 36.0
229 21.8 15.9 23.9





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.355 ng
RT: 21.306 min Scan# 2431
Delta R.T. -0.009 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17

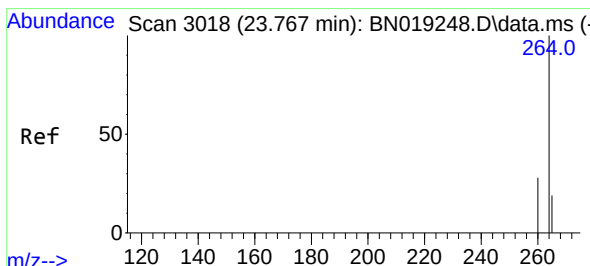
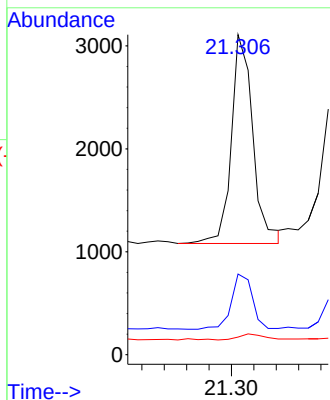
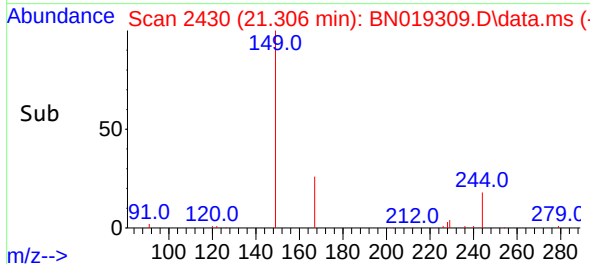
Instrument :
BNA_N
ClientSampleId :
A10015



Tgt Ion:149 Resp: 2718
Ion Ratio Lower Upper
149 100
167 25.7 21.8 32.8
279 3.6 2.0 3.0

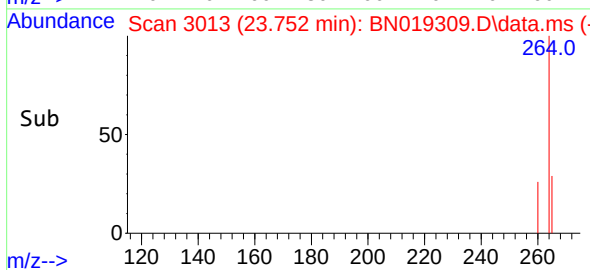
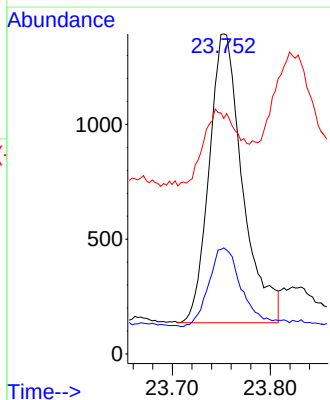
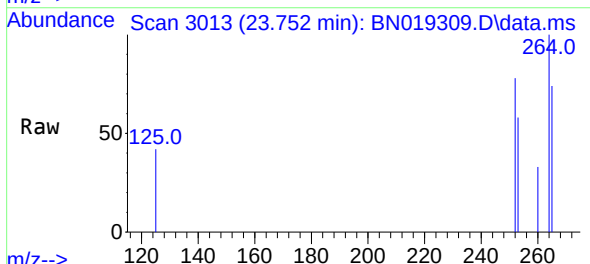
Manual Integrations
APPROVED

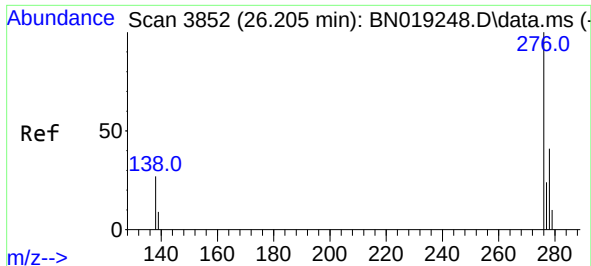
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.752 min Scan# 3013
Delta R.T. -0.015 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17

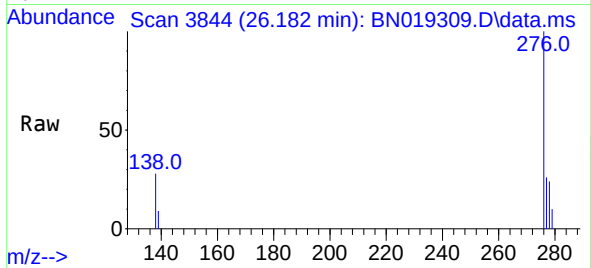
Tgt Ion:264 Resp: 2985
Ion Ratio Lower Upper
264 100
260 33.1 22.4 33.6
265 73.6 25.3 37.9





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.581 ng
RT: 26.182 min Scan# 31
Delta R.T. -0.023 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17

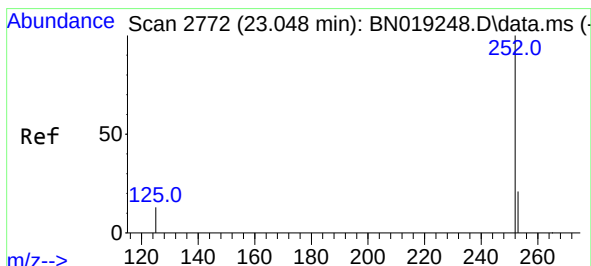
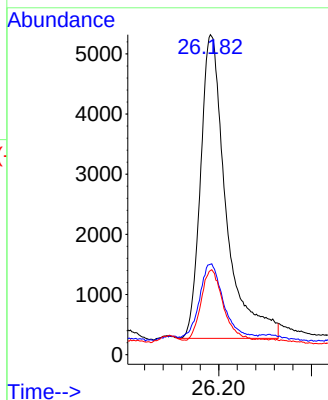
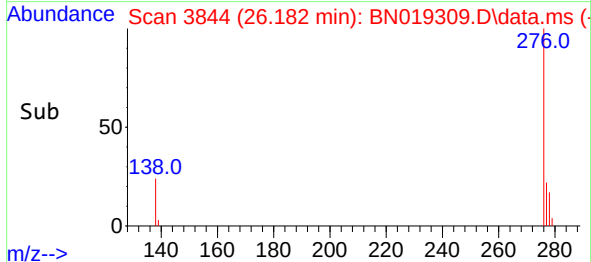
Instrument :
BNA_N
ClientSampleId :
A10015



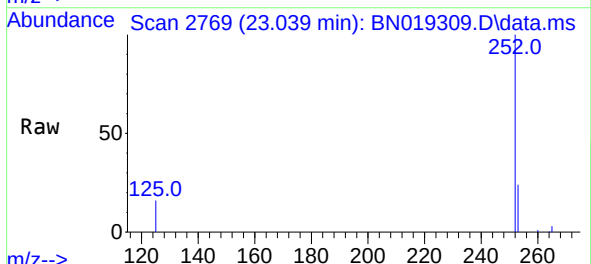
Tgt Ion:276 Resp: 1929
Ion Ratio Lower Upper
276 100
138 22.3 24.5 36.7
277 20.0 19.8 29.8

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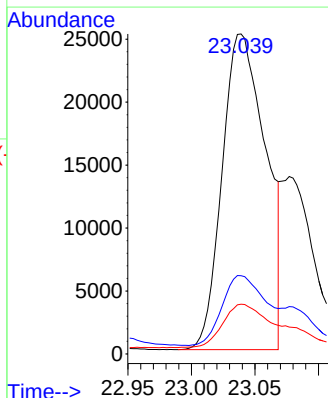
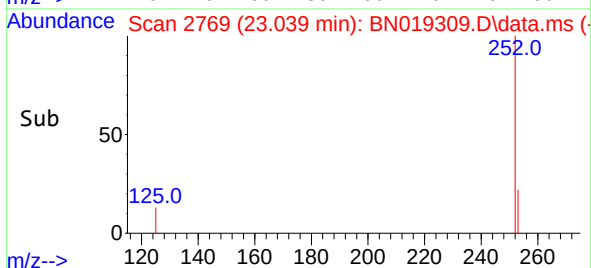
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022

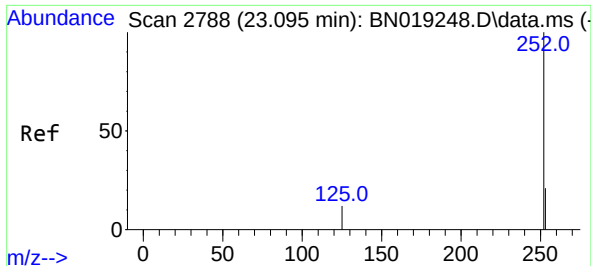


#37
Benzo(b)fluoranthene
Concen: 5.395 ng
RT: 23.039 min Scan# 2769
Delta R.T. -0.009 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17



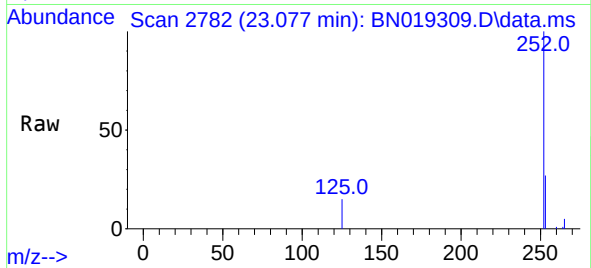
Tgt Ion:252 Resp: 59819
Ion Ratio Lower Upper
252 100
253 24.5 18.9 28.3
125 15.5 12.1 18.1





#38
Benzo(k)fluoranthene
Concen: 1.995 ng m
RT: 23.077 min Scan# 21
Delta R.T. -0.018 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17

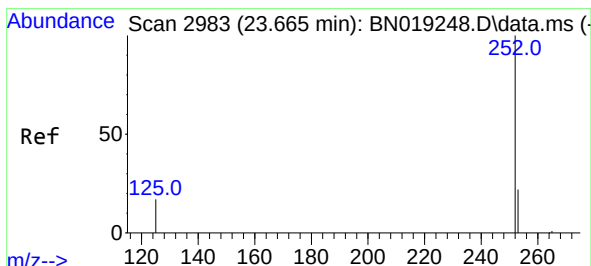
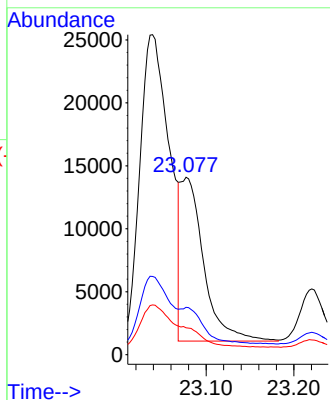
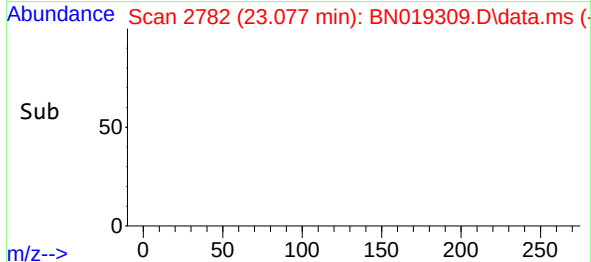
Instrument :
BNA_N
ClientSampleId :
A10015



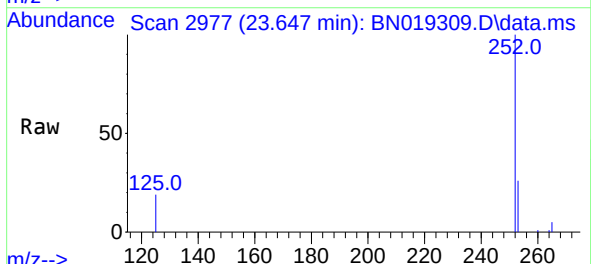
Tgt Ion:252 Resp: 23860
Ion Ratio Lower Upper
252 100
253 26.7 18.9 28.3
125 15.2 10.3 15.5

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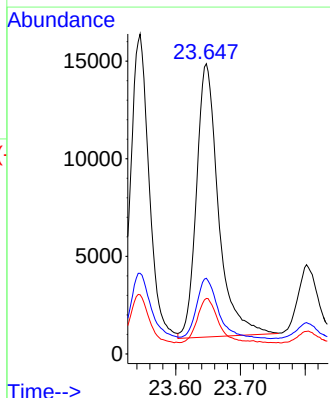
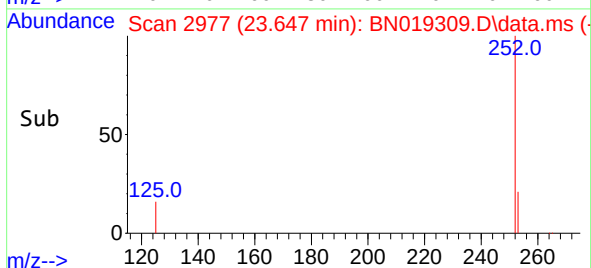
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022

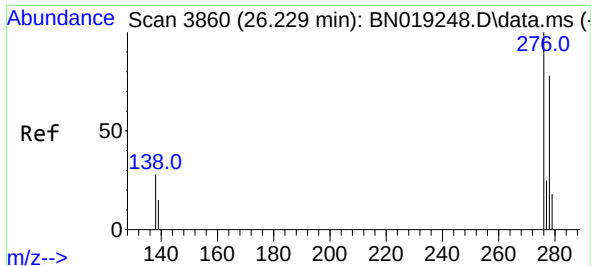


#39
Benzo(a)pyrene
Concen: 3.280 ng
RT: 23.647 min Scan# 2977
Delta R.T. -0.018 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17



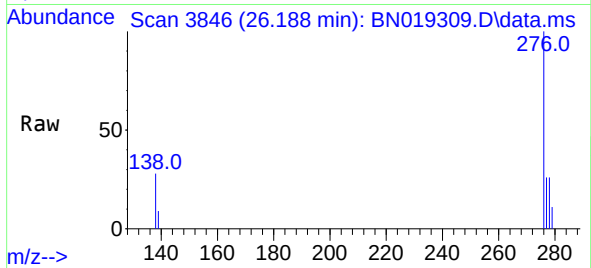
Tgt Ion:252 Resp: 33046
Ion Ratio Lower Upper
252 100
253 26.1 20.1 30.1
125 19.1 15.2 22.8





#40
Dibenzo(a,h)anthracene
Concen: 0.488 ng
RT: 26.188 min Scan# 31
Delta R.T. -0.041 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17

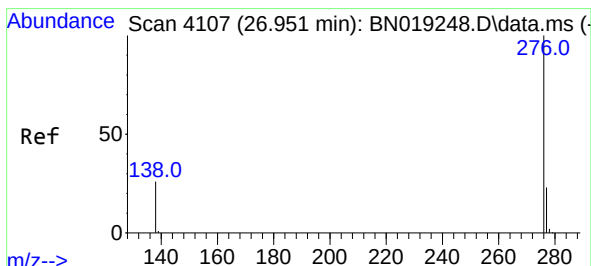
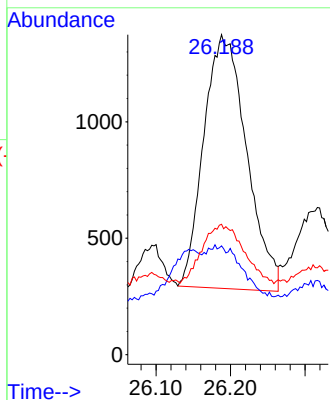
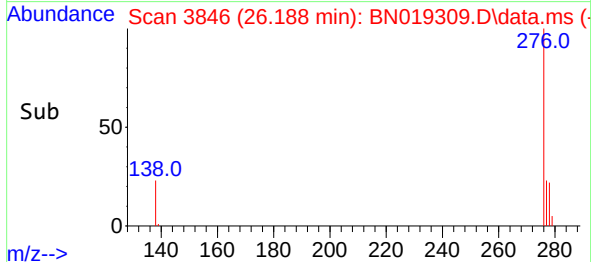
Instrument :
BNA_N
ClientSampleId :
A10015



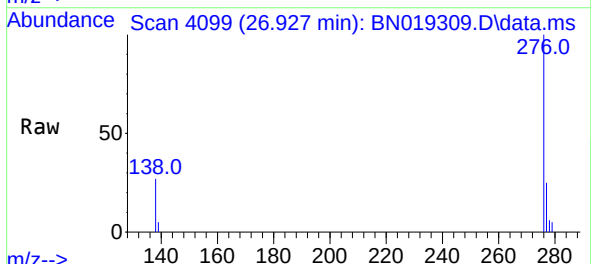
Tgt Ion:278 Resp: 4344
Ion Ratio Lower Upper
278 100
139 34.0 17.2 25.8
279 40.8 19.9 29.9

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 1.646 ng
RT: 26.927 min Scan# 4099
Delta R.T. -0.023 min
Lab File: BN019309.D
Acq: 02 Apr 2022 05:17



Tgt Ion:276 Resp: 20481
Ion Ratio Lower Upper
276 100
277 25.1 19.4 29.0
138 27.5 21.0 31.6

