

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032822\
 Data File : BN019215.D
 Acq On : 29 Mar 2022 03:06
 Operator : CG/JU
 Sample : N2095-18
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GW-03-(SB-13)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/29/2022
 Supervised By : Jagrut Upadhyay 03/29/2022

Quant Time: Mar 29 06:25:21 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 19:03:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	3549	0.400	ng	0.00
7) Naphthalene-d8	10.648	136	10359	0.400	ng	0.00
13) Acenaphthene-d10	14.484	164	5933	0.400	ng	0.00
19) Phenanthrene-d10	17.225	188	11830	0.400	ng	# 0.00
29) Chrysene-d12	21.413	240	9265	0.400	ng	# 0.00
35) Perylene-d12	23.776	264	8020	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	1616	0.193	ng	0.00
5) Phenol-d6	7.009	99	1264	0.132	ng	0.00
8) Nitrobenzene-d5	8.993	82	1962	0.244	ng	0.00
11) 2-Methylnaphthalene-d10	12.234	152	5122	0.309	ng	0.00
14) 2,4,6-Tribromophenol	15.974	330	849	0.294	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	7230	0.290	ng	0.00
27) Fluoranthene-d10	19.257	212	14362	0.415	ng	0.00
31) Terphenyl-d14	19.851	244	7709	0.373	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.690	128	173846	5.959	ng	99
12) 2-Methylnaphthalene	12.306	142	31139	1.624	ng	98
16) Acenaphthylene	14.196	152	12018	0.444	ng	98
17) Acenaphthene	14.538	154	18332	0.955	ng	98
18) Fluorene	15.532	166	22932	0.939	ng	97
25) Phenanthrene	17.266	178	77820	2.051	ng	100
26) Anthracene	17.359	178	18067	0.574	ng	# 95
28) Fluoranthene	19.282	202	60356	1.407	ng	99
30) Pyrene	19.649	202	52638	1.202	ng	# 96
32) Benzo(a)anthracene	21.395	228	17765	0.597	ng	95
33) Chrysene	21.449	228	24082m	0.631	ng	
34) Bis(2-ethylhexyl)phtha...	21.324	149	1515	0.084	ng	# 98
36) Indeno(1,2,3-cd)pyrene	26.214	276	7835	0.244	ng	# 89
37) Benzo(b)fluoranthene	23.062	252	20481	0.672	ng	95
38) Benzo(k)fluoranthene	23.100	252	9598m	0.248	ng	
39) Benzo(a)pyrene	23.673	252	13244	0.507	ng	93
40) Dibenzo(a,h)anthracene	26.229	278	1583	0.066	ng	# 52
41) Benzo(g,h,i)perylene	26.965	276	9155	0.277	ng	94

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

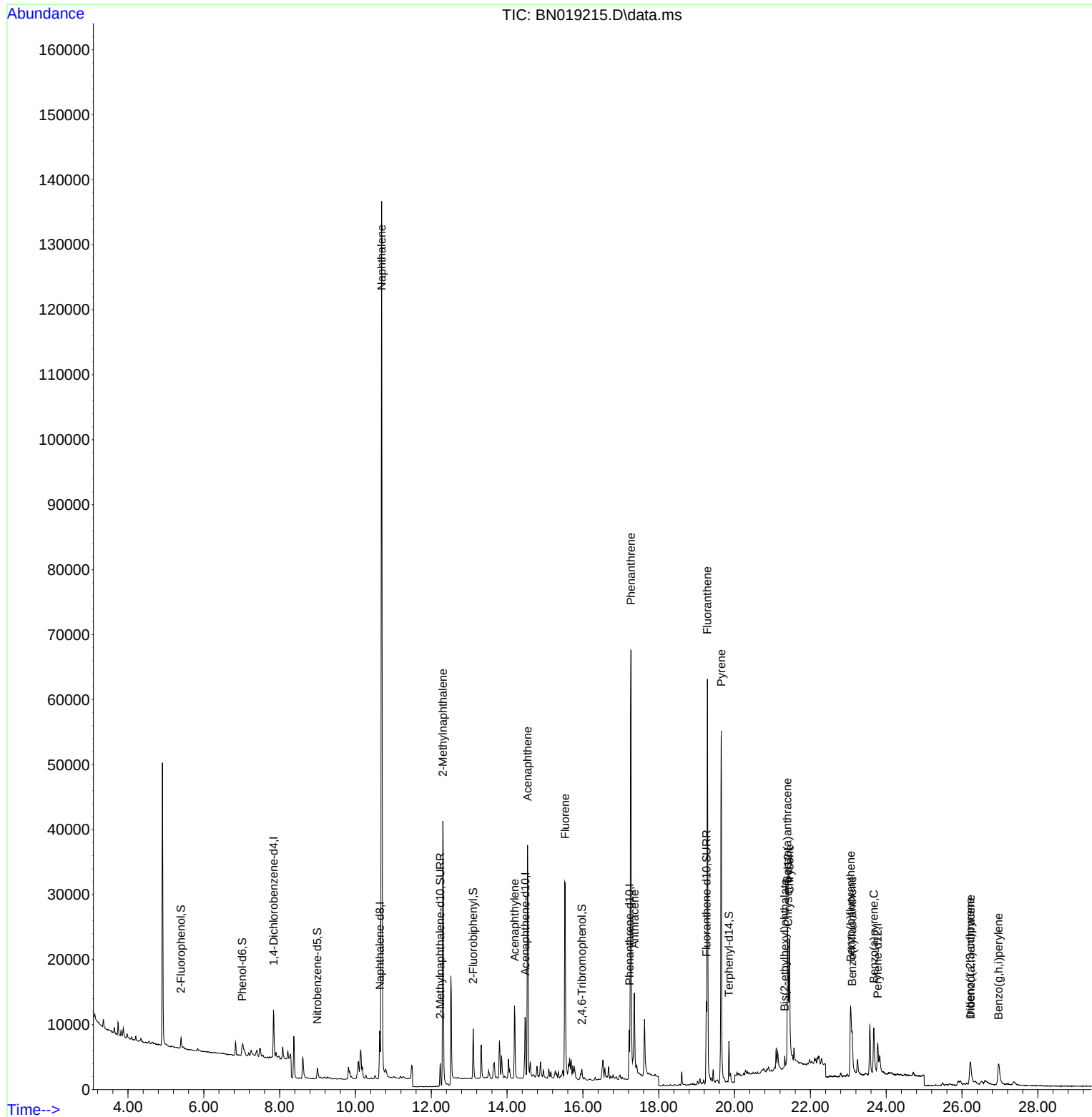
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032822\
Data File : BN019215.D
Acq On : 29 Mar 2022 03:06
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ALS Vial : 17 Sample Multiplier: 1

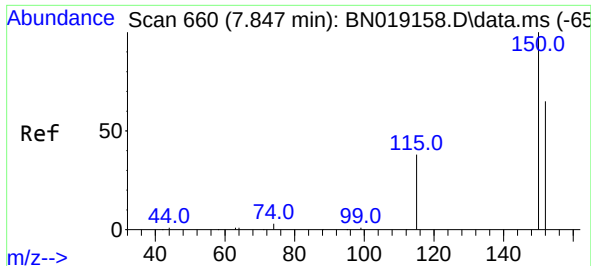
Instrument :
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GW-03-(SB-13)

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Quant Time: Mar 29 06:25:21 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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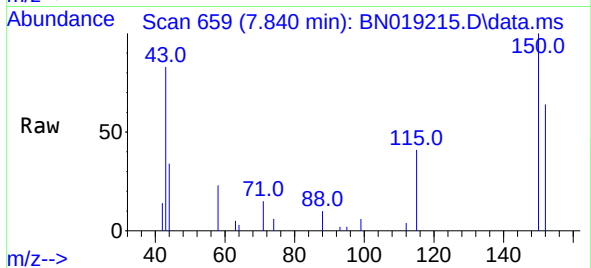
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.840 min Scan# 660
 Delta R.T. -0.007 min
 Lab File: BN019215.D
 Acq: 29 Mar 2022 03:06

Instrument :

BNA_N

ClientSampleId :

GW-03-(SB-13)

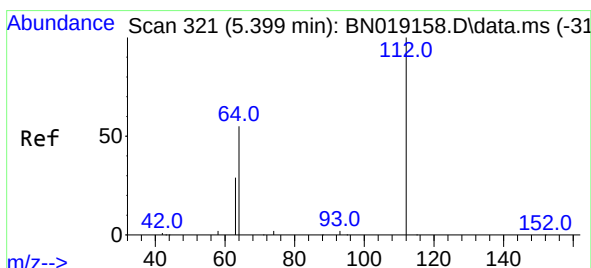
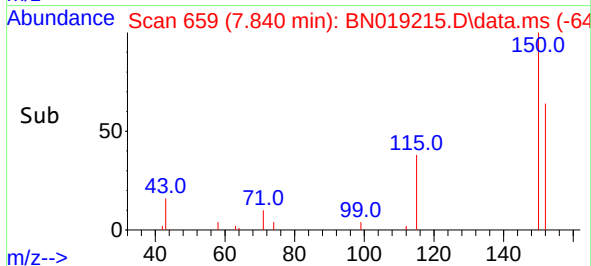
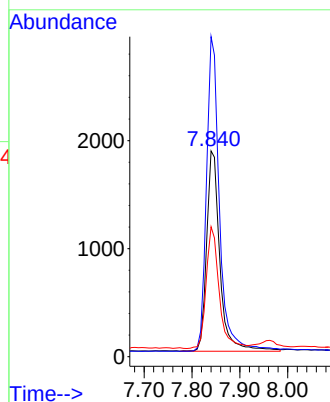


Tgt Ion:152 Resp: 3549
 Ion Ratio Lower Upper
 152 100
 150 155.5 123.9 185.9
 115 63.1 48.2 72.4

Manual Integrations

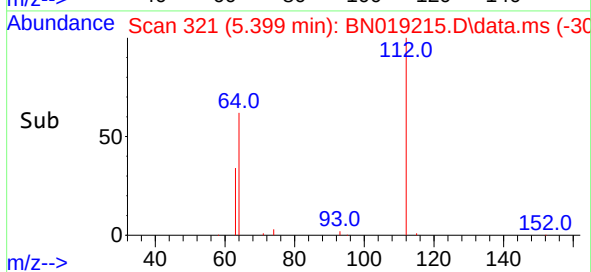
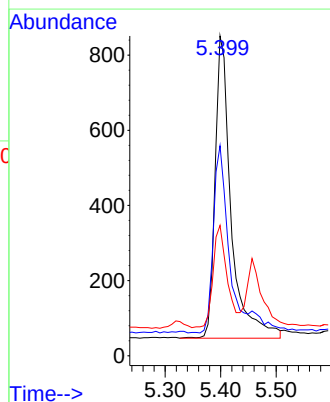
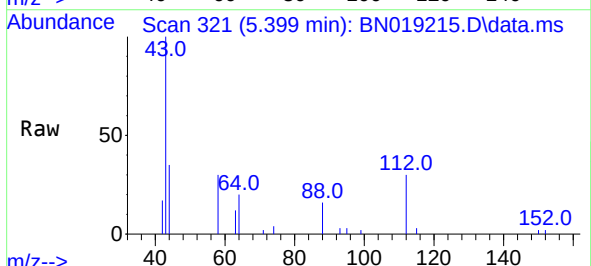
APPROVED

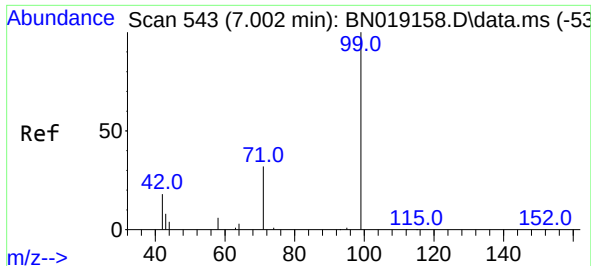
Reviewed By :Christian Giraldo 03/29/2022
 Supervised By :Jagrut Upadhyay 03/29/2022



#4
 2-Fluorophenol
 Concen: 0.193 ng
 RT: 5.399 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: BN019215.D
 Acq: 29 Mar 2022 03:06

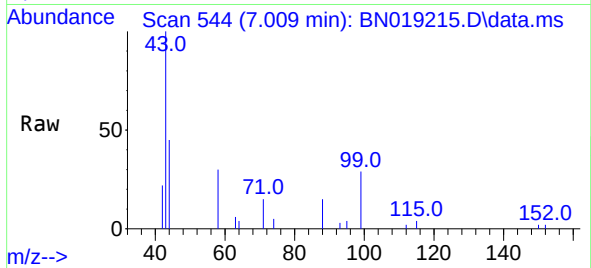
Tgt Ion:112 Resp: 1616
 Ion Ratio Lower Upper
 112 100
 64 57.9 47.8 71.8
 63 29.1 25.7 38.5





#5
Phenol-d6
Concen: 0.132 ng
RT: 7.009 min Scan# 543
Delta R.T. 0.007 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06

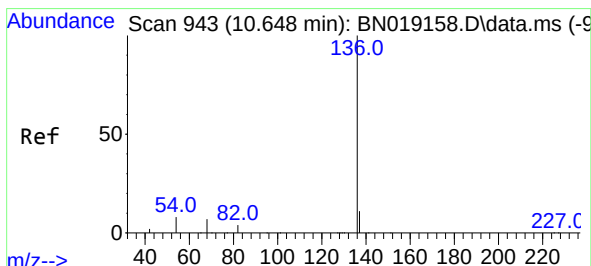
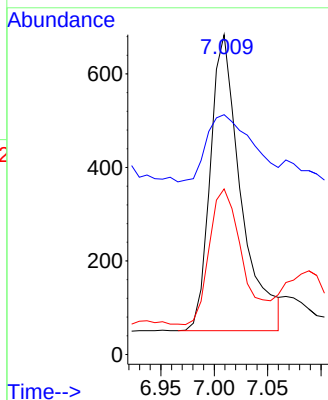
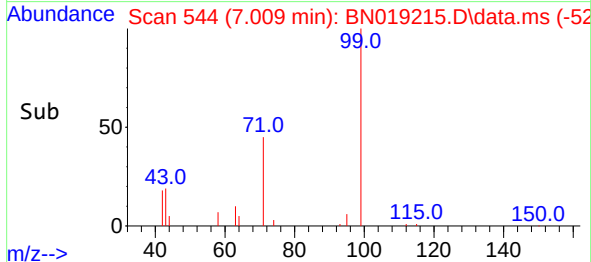
Instrument :
BNA_N
ClientSampleId :
GW-03-(SB-13)



Tgt Ion: 99 Resp: 1264
Ion Ratio Lower Upper
99 100
42 34.0 16.2 24.4
71 49.6 27.7 41.5

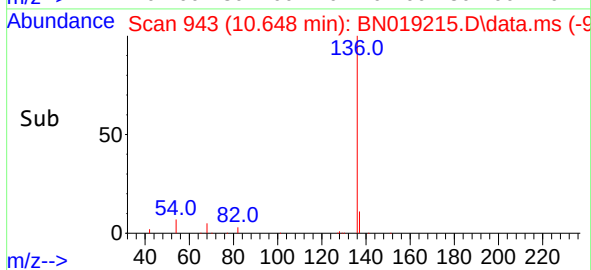
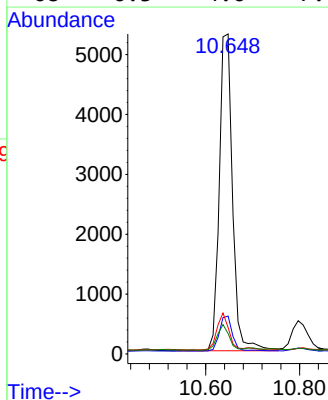
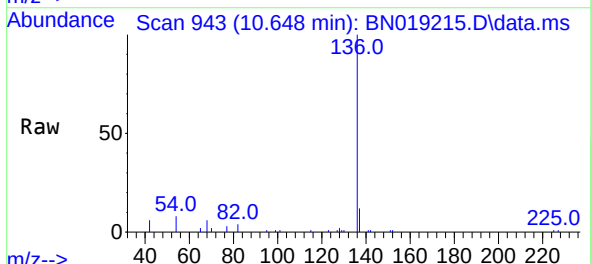
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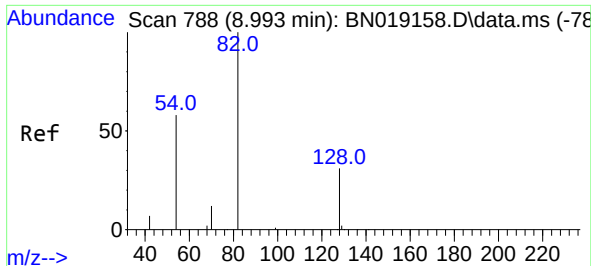
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 943
Delta R.T. -0.000 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06

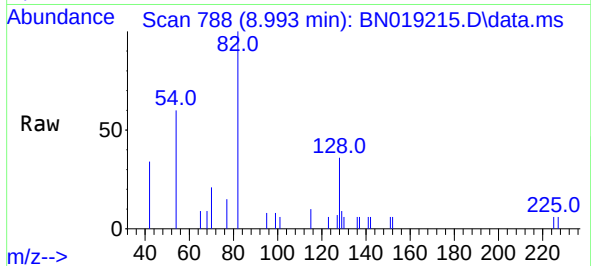
Tgt Ion:136 Resp: 10359
Ion Ratio Lower Upper
136 100
137 11.8 9.0 13.4
54 8.3 5.8 8.6
68 6.3 4.6 7.0





#8
Nitrobenzene-d5
Concen: 0.244 ng
RT: 8.993 min Scan# 788
Delta R.T. -0.000 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06

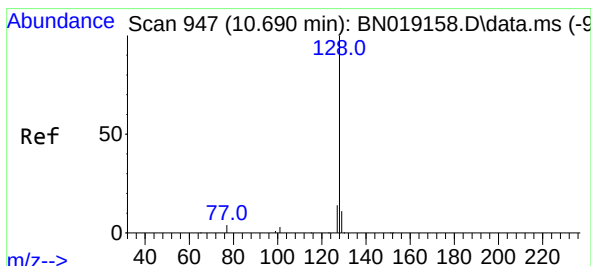
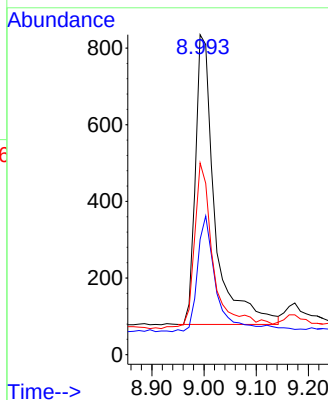
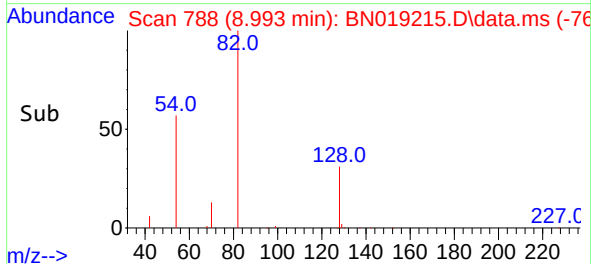
Instrument :
BNA_N
ClientSampleId :
GW-03-(SB-13)



Tgt Ion: 82 Resp: 1962
Ion Ratio Lower Upper
82 100
128 36.0 33.0 49.6
54 59.9 42.5 63.7

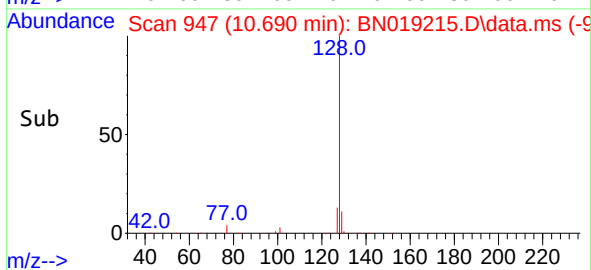
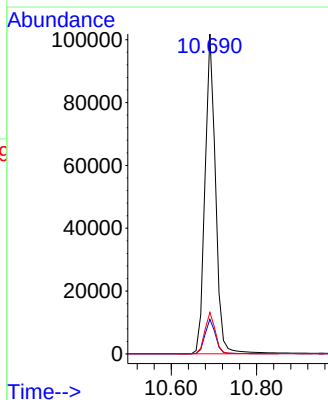
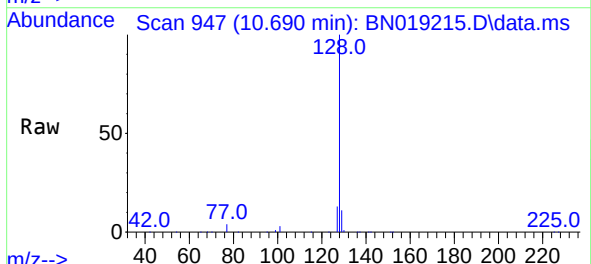
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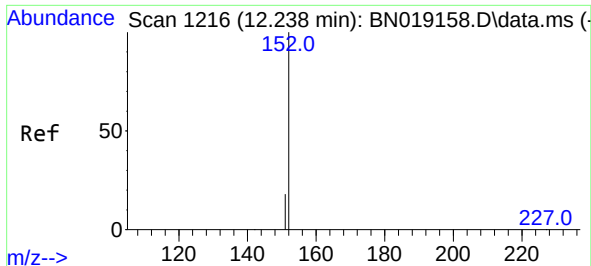
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#9
Naphthalene
Concen: 5.959 ng
RT: 10.690 min Scan# 947
Delta R.T. -0.000 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06

Tgt Ion:128 Resp: 173846
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 13.0 10.7 16.1





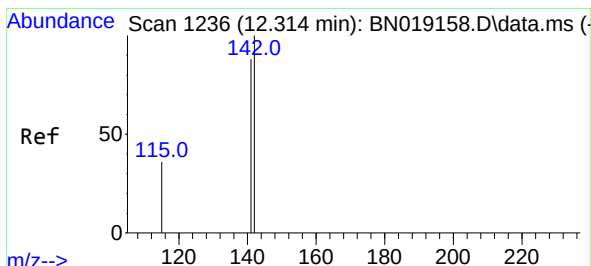
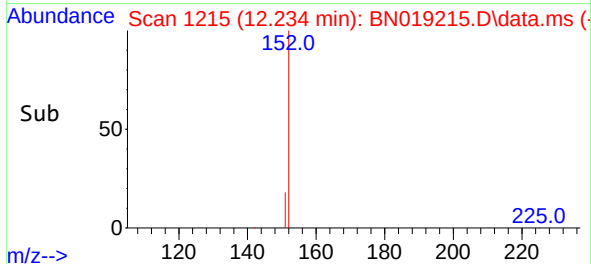
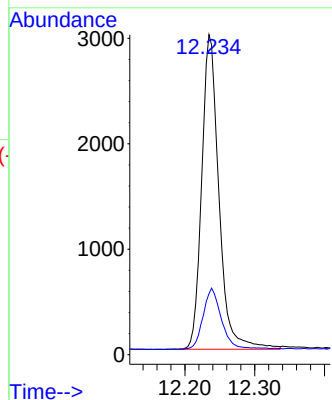
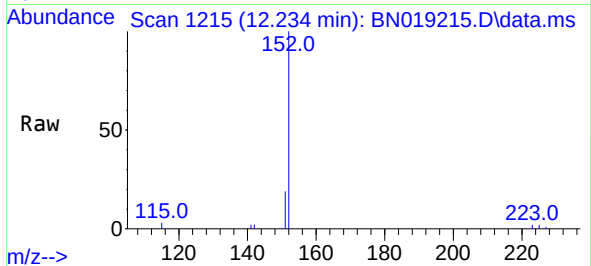
#11
2-Methylnaphthalene-d10
Concen: 0.309 ng
RT: 12.234 min Scan# 1215
Delta R.T. -0.004 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06

Instrument :
BNA_N
ClientSampleId :
GW-03-(SB-13)

Tgt Ion:152 Resp: 512
Ion Ratio Lower Upper
152 100
151 21.0 16.5 24.7

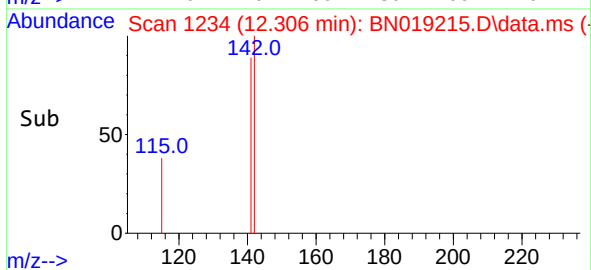
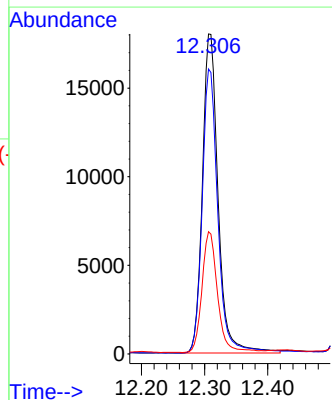
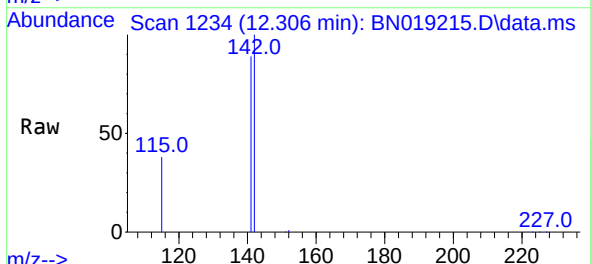
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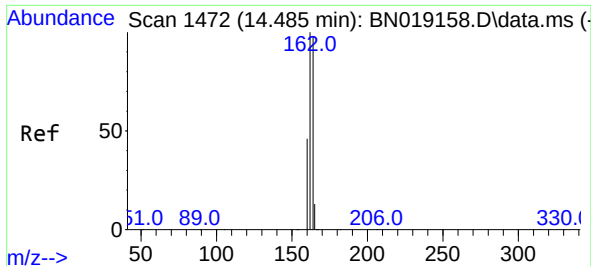
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#12
2-Methylnaphthalene
Concen: 1.624 ng
RT: 12.306 min Scan# 1234
Delta R.T. -0.008 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06

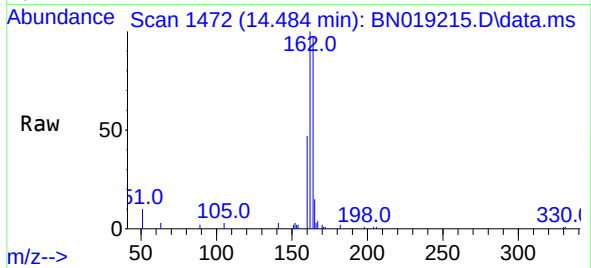
Tgt Ion:142 Resp: 31139
Ion Ratio Lower Upper
142 100
141 89.0 70.0 105.0
115 38.2 29.8 44.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 1472
Delta R.T. -0.000 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06

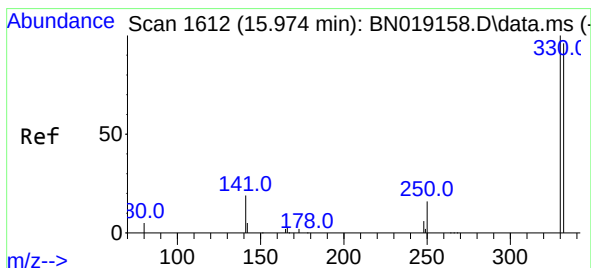
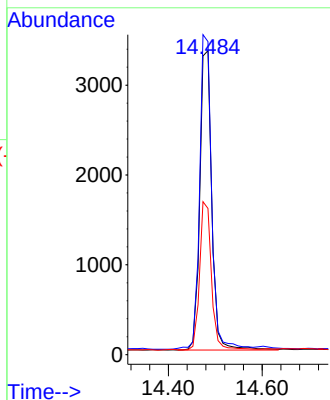
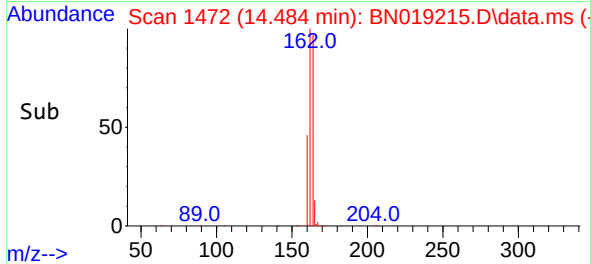
Instrument :
BNA_N
ClientSampleId :
GW-03-(SB-13)



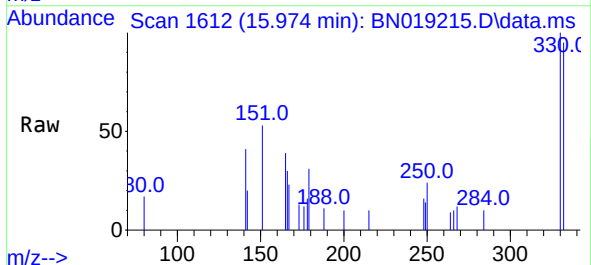
Tgt Ion:164 Resp: 593
Ion Ratio Lower Upper
164 100
162 103.0 85.2 127.8
160 48.1 41.5 62.3

Manual Integrations
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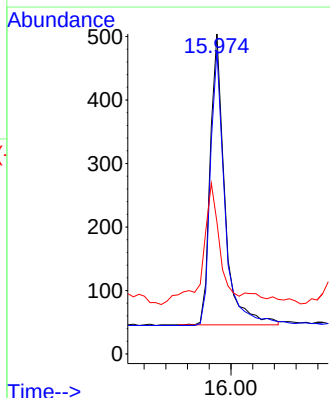
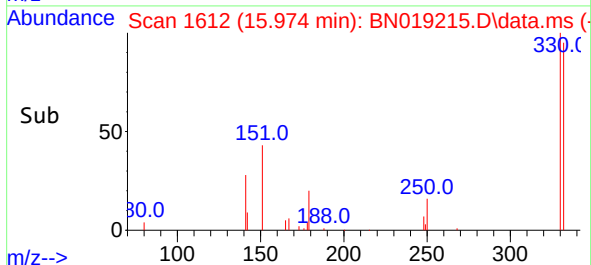
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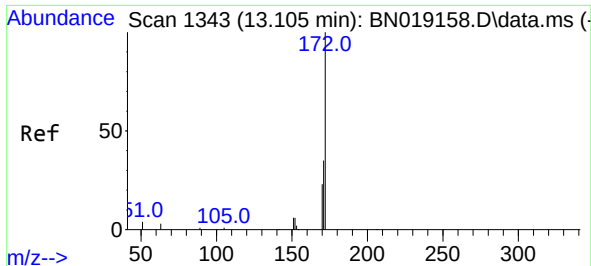


#14
2,4,6-Tribromophenol
Concen: 0.294 ng
RT: 15.974 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06



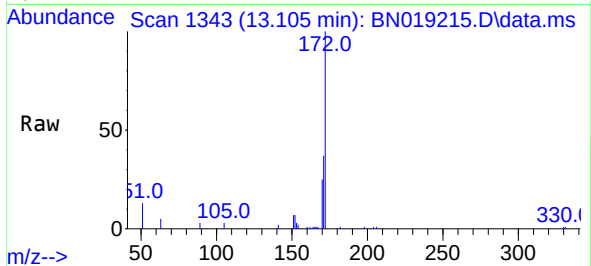
Tgt Ion:330 Resp: 849
Ion Ratio Lower Upper
330 100
332 94.6 76.8 115.2
141 36.5 32.2 48.2





#15
2-Fluorobiphenyl
Concen: 0.290 ng
RT: 13.105 min Scan# 1343
Delta R.T. -0.000 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06

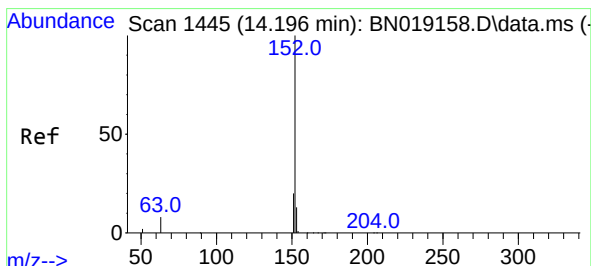
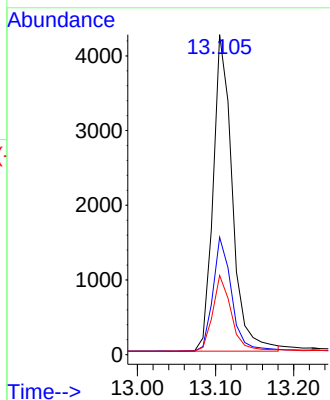
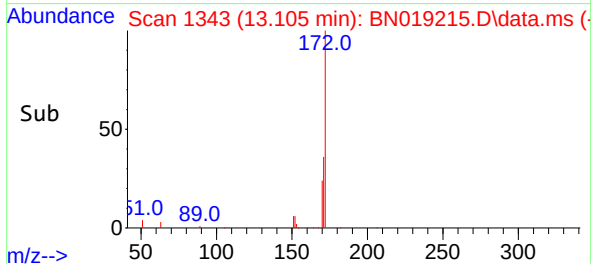
Instrument :
BNA_N
ClientSampleId :
GW-03-(SB-13)



Tgt Ion:172 Resp: 7230
Ion Ratio Lower Upper
172 100
171 36.7 28.2 42.2
170 24.7 18.7 28.1

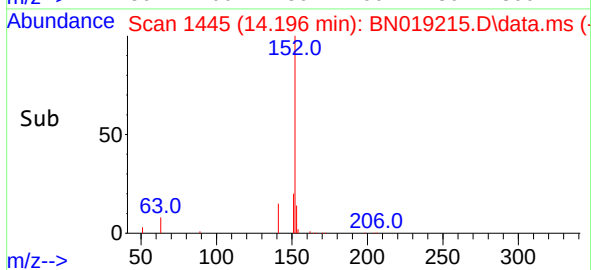
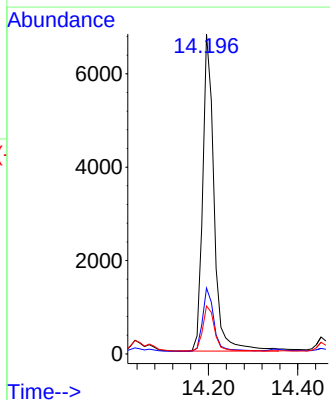
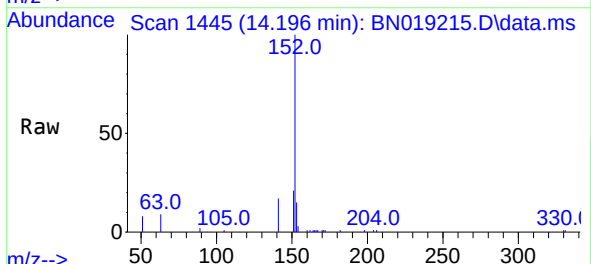
Manual Integrations
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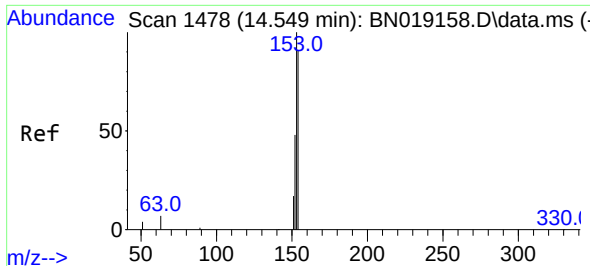
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#16
Acenaphthylene
Concen: 0.444 ng
RT: 14.196 min Scan# 1445
Delta R.T. -0.000 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06

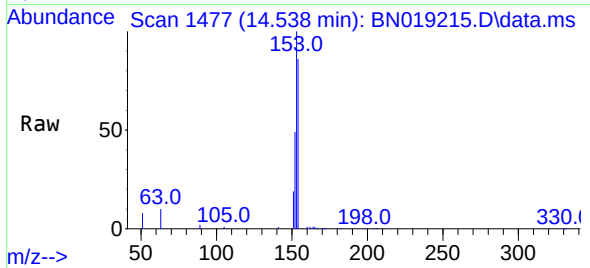
Tgt Ion:152 Resp: 12018
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 14.7 10.6 15.8





#17
Acenaphthene
Concen: 0.955 ng
RT: 14.538 min Scan# 1477
Delta R.T. -0.011 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06

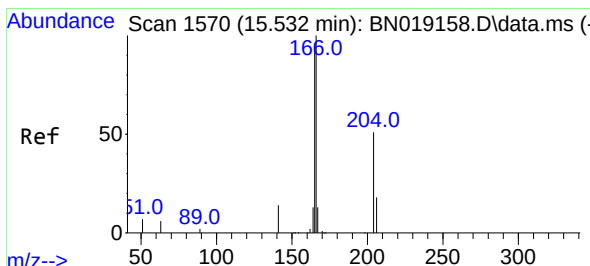
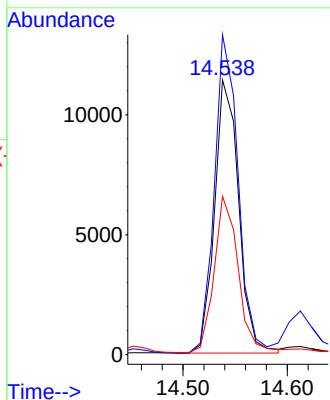
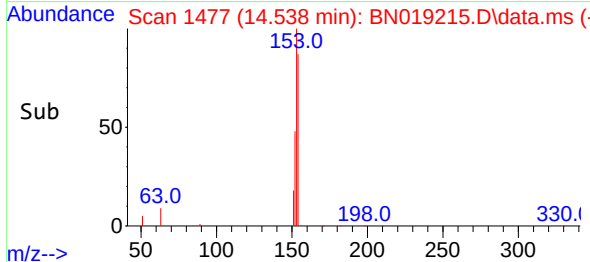
Instrument :
BNA_N
ClientSampleId :
GW-03-(SB-13)



Tgt Ion:154 Resp: 18332
Ion Ratio Lower Upper
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153 114.1 89.7 134.5
152 58.0 44.7 67.1

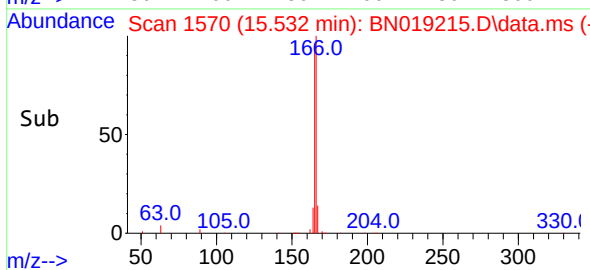
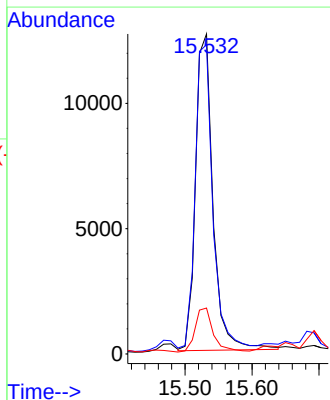
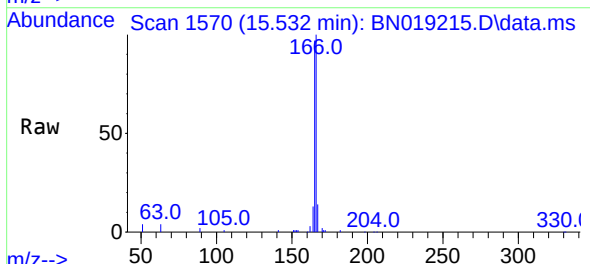
Manual Integrations
APPROVED

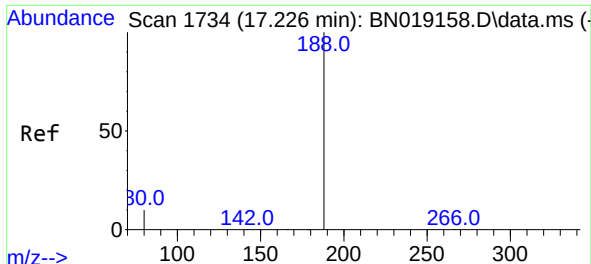
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#18
Fluorene
Concen: 0.939 ng
RT: 15.532 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06

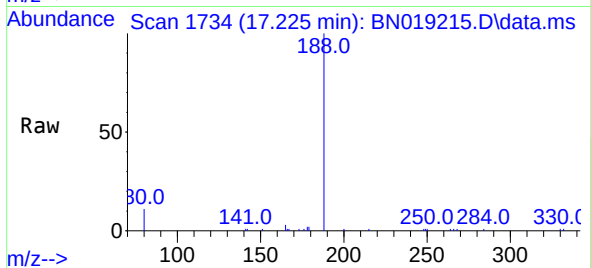
Tgt Ion:166 Resp: 22932
Ion Ratio Lower Upper
166 100
165 96.0 79.2 118.8
167 14.5 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.225 min Scan# 1734
Delta R.T. -0.000 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06

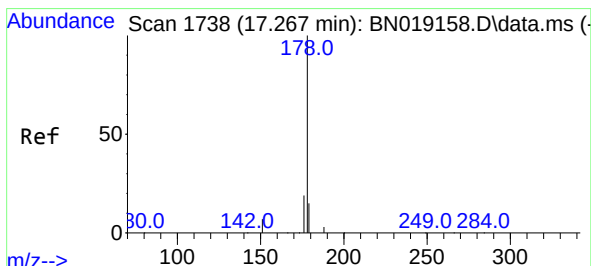
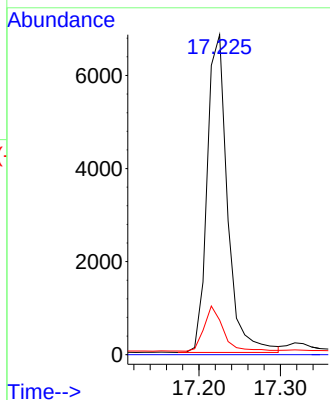
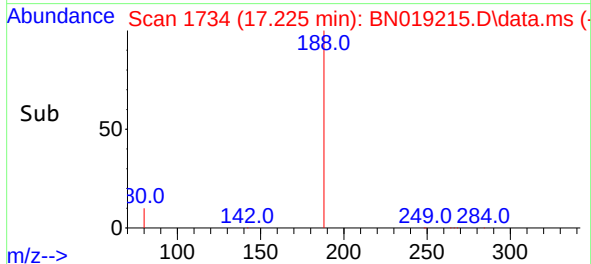
Instrument :
BNA_N
ClientSampleId :
GW-03-(SB-13)



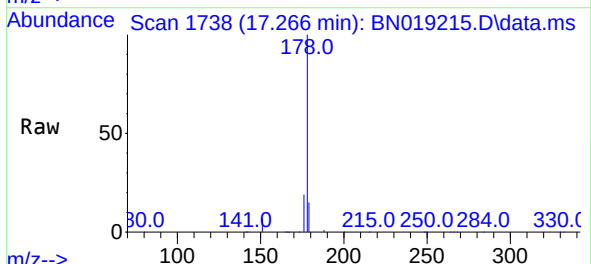
Tgt Ion:188 Resp: 11830
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.8 11.8 17.8

Manual Integrations
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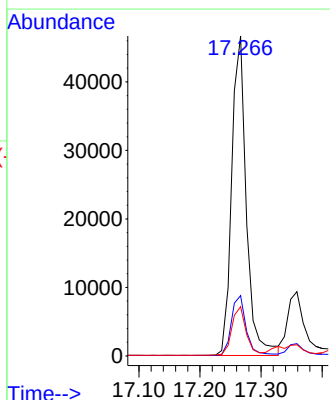
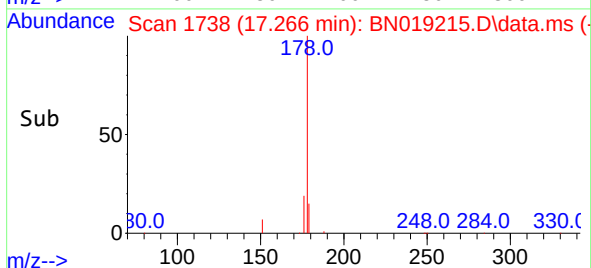
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022

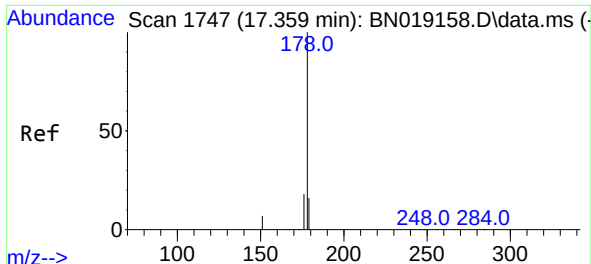


#25
Phenanthrene
Concen: 2.051 ng
RT: 17.266 min Scan# 1738
Delta R.T. -0.000 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06



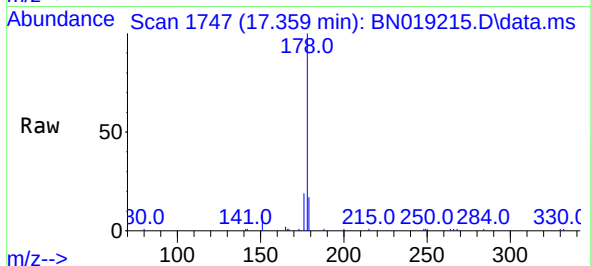
Tgt Ion:178 Resp: 77820
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 14.9 12.2 18.2





#26
 Anthracene
 Concen: 0.574 ng
 RT: 17.359 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN019215.D
 Acq: 29 Mar 2022 03:06

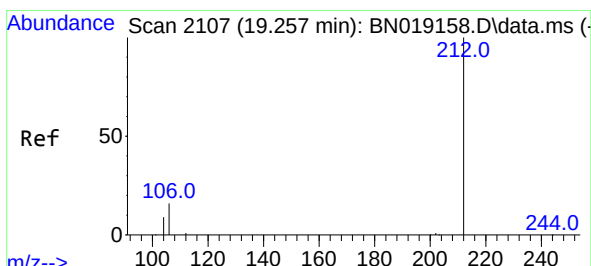
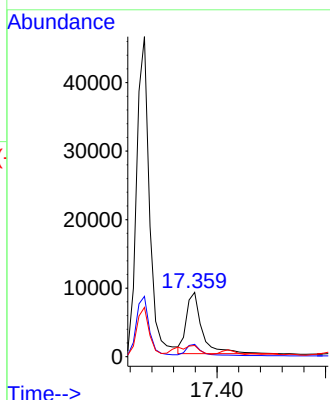
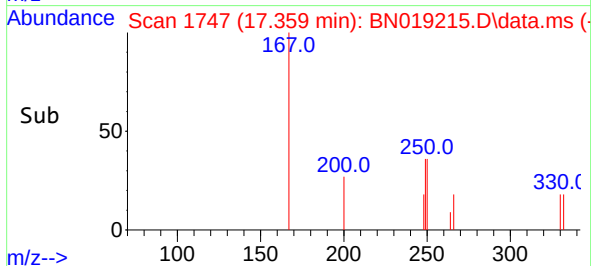
Instrument :
 BNA_N
 ClientSampleId :
 GW-03-(SB-13)



Tgt Ion:178 Resp: 1806
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.8 22.2
 179 19.6 12.2 18.4

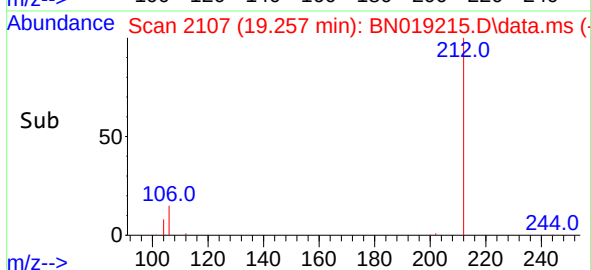
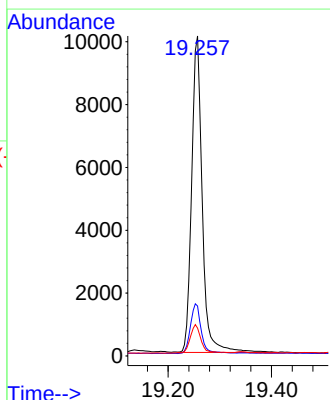
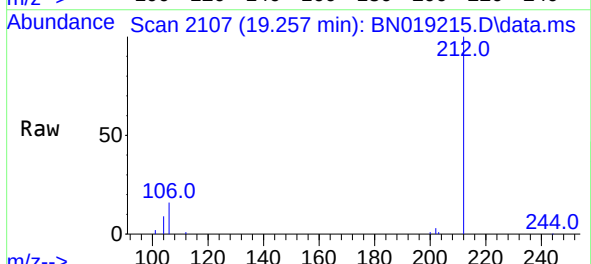
Manual Integrations
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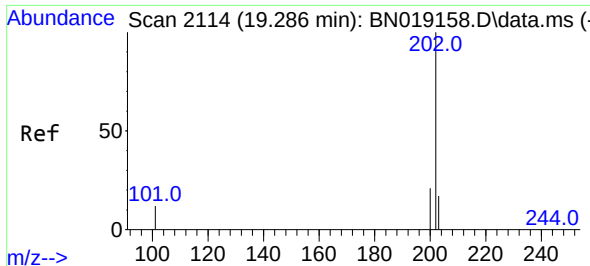
Reviewed By :Christian Giraldo 03/29/2022
 Supervised By :Jagrut Upadhyay 03/29/2022



#27
 Fluoranthene-d10
 Concen: 0.415 ng
 RT: 19.257 min Scan# 2107
 Delta R.T. -0.000 min
 Lab File: BN019215.D
 Acq: 29 Mar 2022 03:06

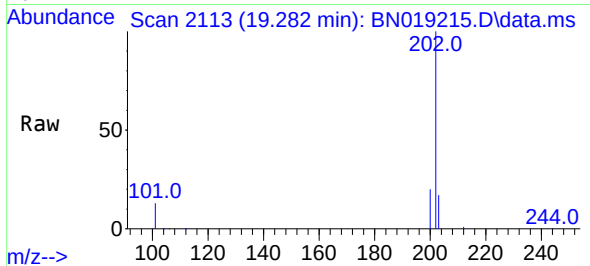
Tgt Ion:212 Resp: 14362
 Ion Ratio Lower Upper
 212 100
 106 15.9 12.7 19.1
 104 9.1 7.1 10.7





#28
Fluoranthene
Concen: 1.407 ng
RT: 19.282 min Scan# 2113
Delta R.T. -0.004 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06

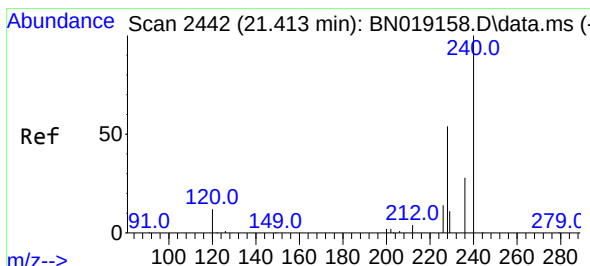
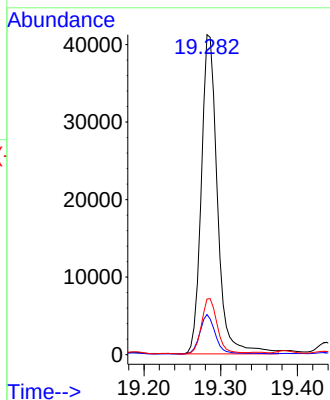
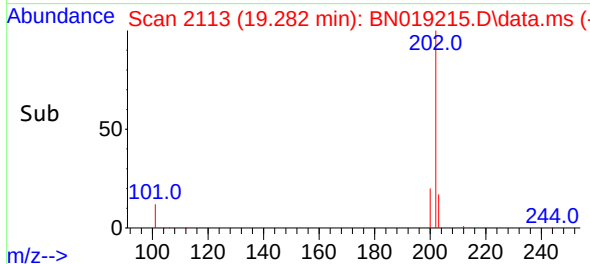
Instrument :
BNA_N
ClientSampleId :
GW-03-(SB-13)



Tgt Ion:202 Resp: 60350
Ion Ratio Lower Upper
202 100
101 11.7 9.8 14.6
203 16.8 13.7 20.5

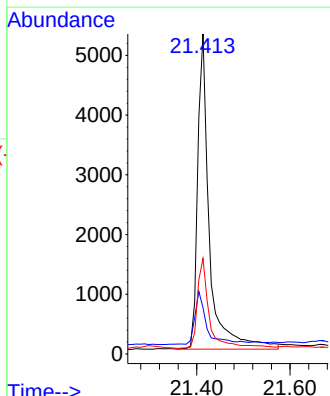
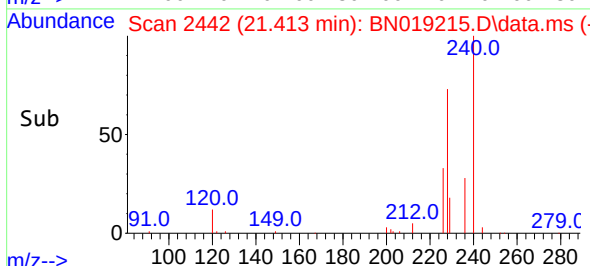
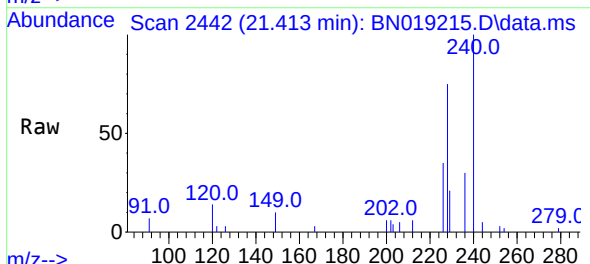
Manual Integrations
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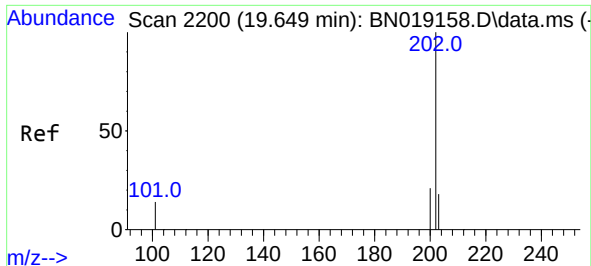
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.413 min Scan# 2442
Delta R.T. -0.000 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06

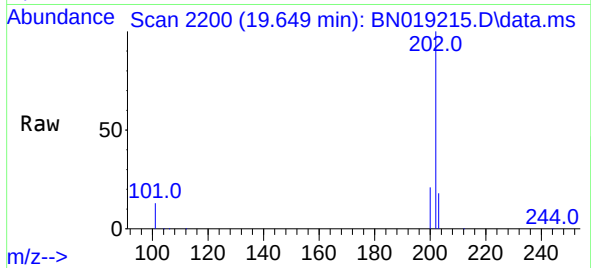
Tgt Ion:240 Resp: 9265
Ion Ratio Lower Upper
240 100
120 14.4 8.5 12.7#
236 29.8 22.4 33.6





#30
Pyrene
Concen: 1.202 ng
RT: 19.649 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06

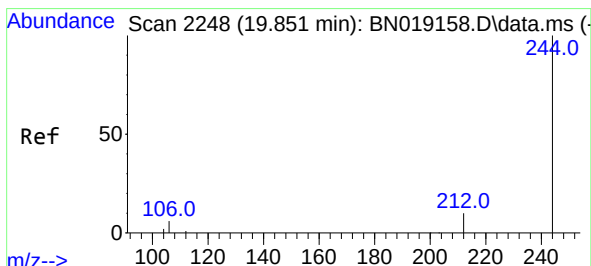
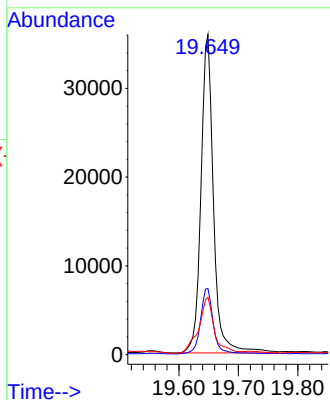
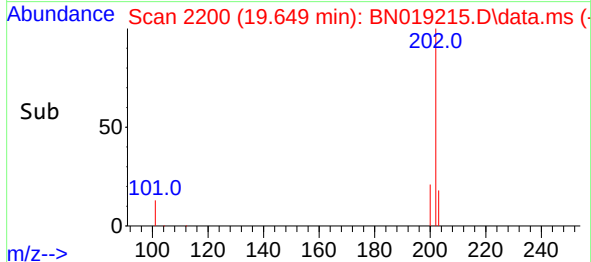
Instrument :
BNA_N
ClientSampleId :
GW-03-(SB-13)



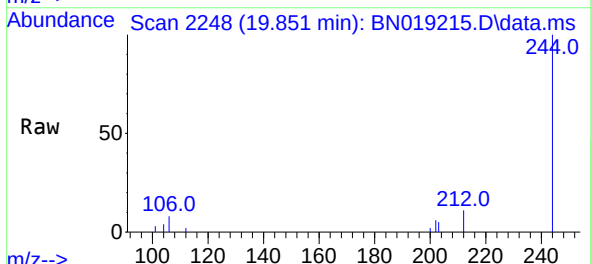
Tgt Ion:202 Resp: 52638
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 21.6 14.2 21.2

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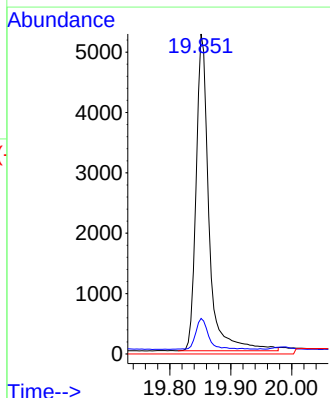
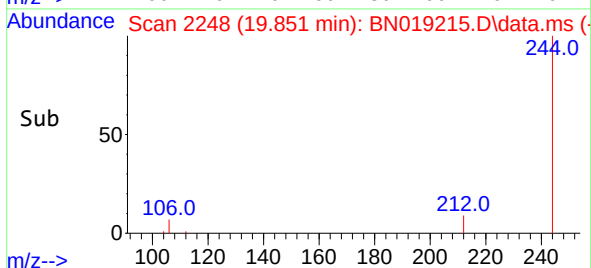
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022

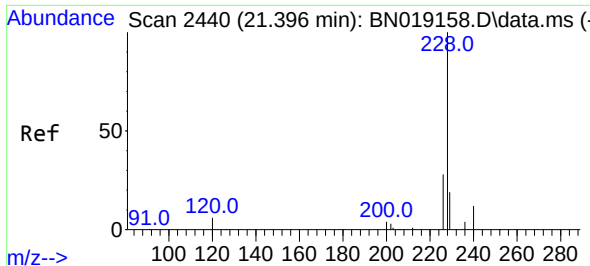


#31
Terphenyl-d14
Concen: 0.373 ng
RT: 19.851 min Scan# 2248
Delta R.T. -0.000 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06



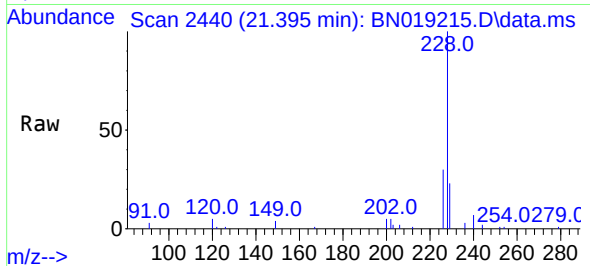
Tgt Ion:244 Resp: 7709
Ion Ratio Lower Upper
244 100
212 11.1 8.2 12.4
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 0.597 ng
RT: 21.395 min Scan# 2440
Delta R.T. -0.000 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06

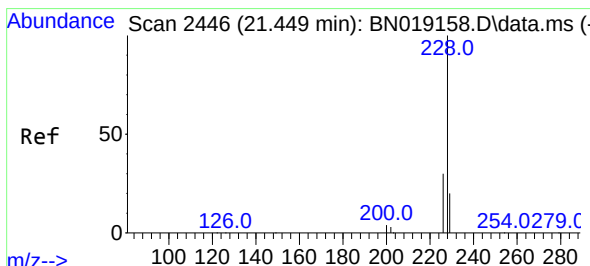
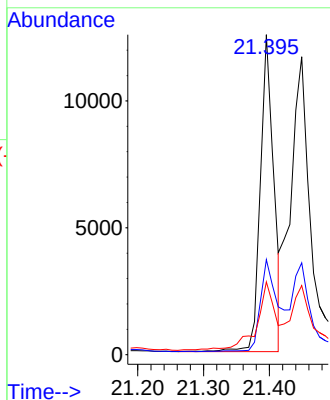
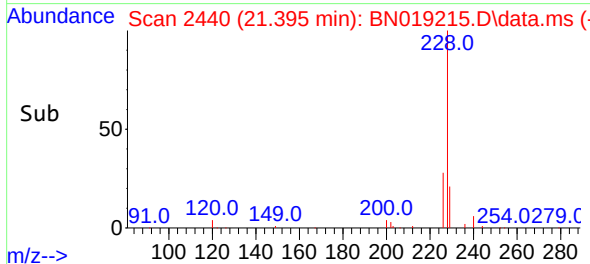
Instrument :
BNA_N
ClientSampleId :
GW-03-(SB-13)



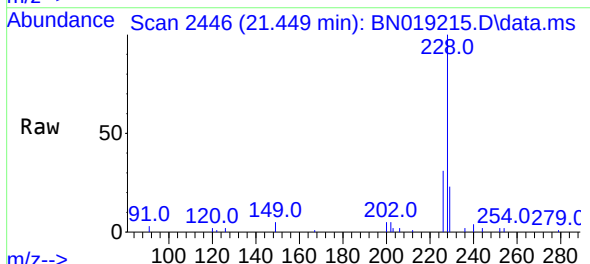
Tgt Ion:228 Resp: 1776
Ion Ratio Lower Upper
228 100
226 29.7 21.9 32.9
229 22.7 16.0 24.0

Manual Integrations
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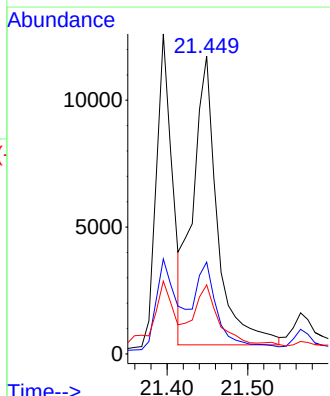
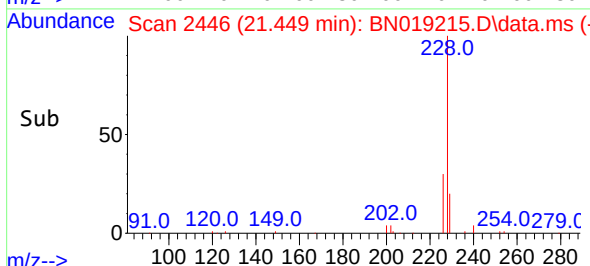
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022

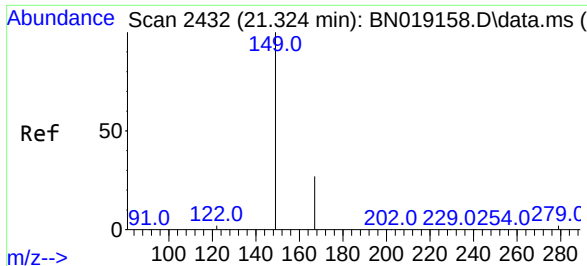


#33
Chrysene
Concen: 0.631 ng m
RT: 21.449 min Scan# 2446
Delta R.T. -0.000 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06



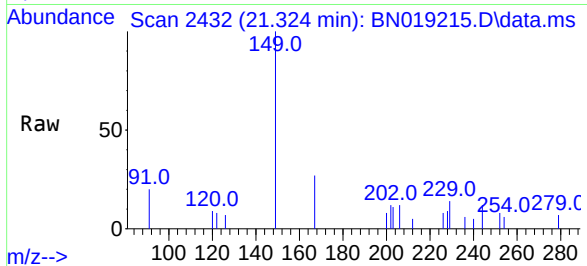
Tgt Ion:228 Resp: 24082
Ion Ratio Lower Upper
228 100
226 30.8 24.0 36.0
229 23.2 15.9 23.9





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.084 ng
RT: 21.324 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06

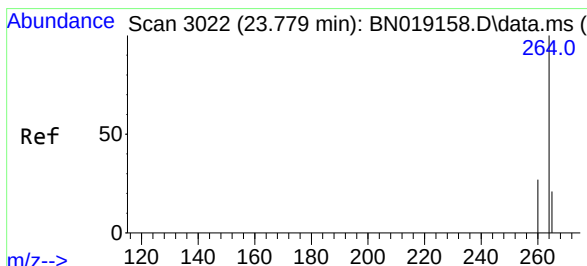
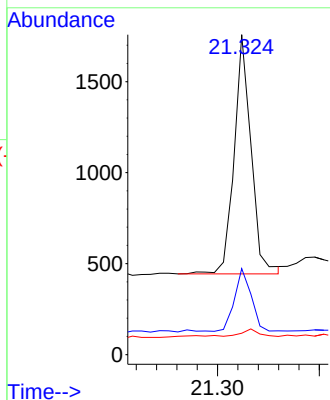
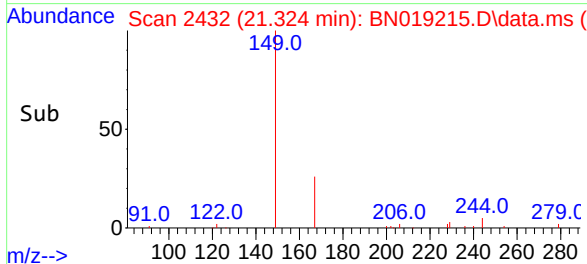
Instrument :
BNA_N
ClientSampleId :
GW-03-(SB-13)



Tgt Ion:149 Resp: 151
Ion Ratio Lower Upper
149 100
167 26.1 21.8 32.8
279 3.1 2.0 3.0

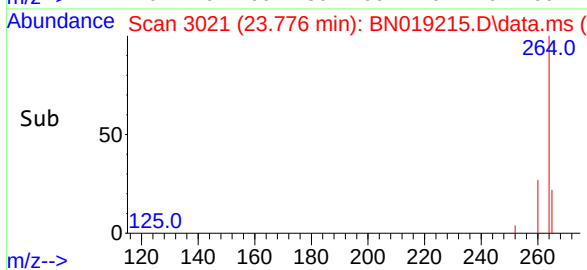
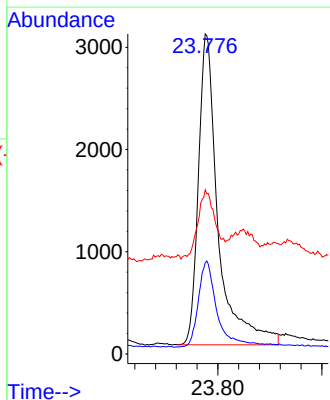
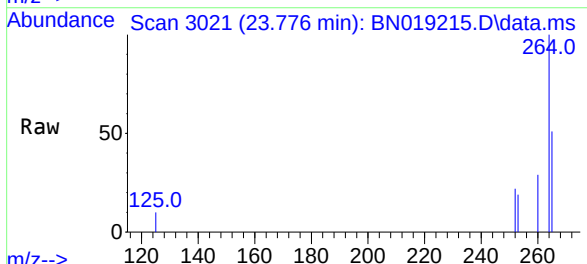
Manual Integrations
APPROVED

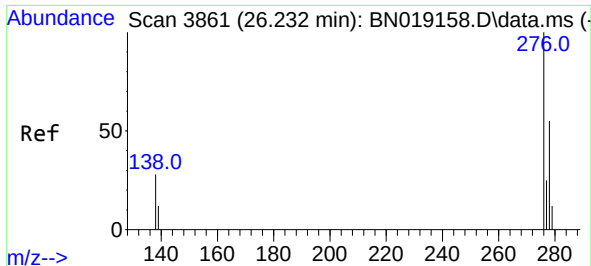
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.776 min Scan# 3021
Delta R.T. -0.003 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06

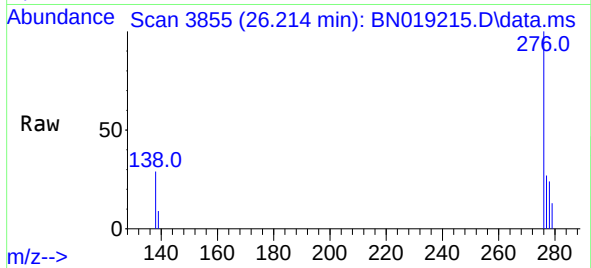
Tgt Ion:264 Resp: 8020
Ion Ratio Lower Upper
264 100
260 28.6 22.4 33.6
265 51.3 25.3 37.9





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.244 ng
RT: 26.214 min Scan# 3855
Delta R.T. -0.018 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06

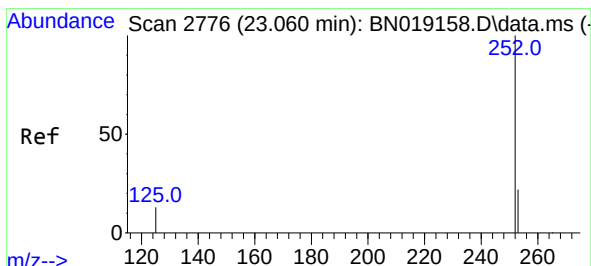
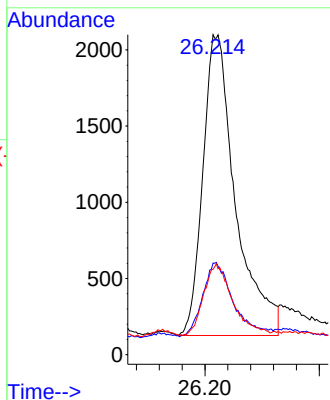
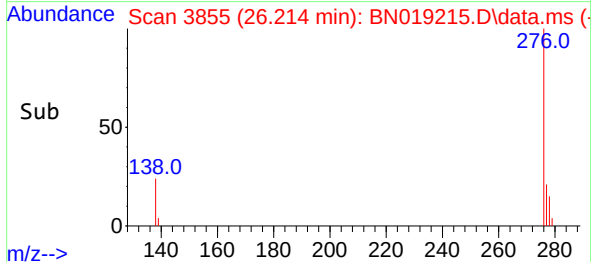
Instrument :
BNA_N
ClientSampleId :
GW-03-(SB-13)



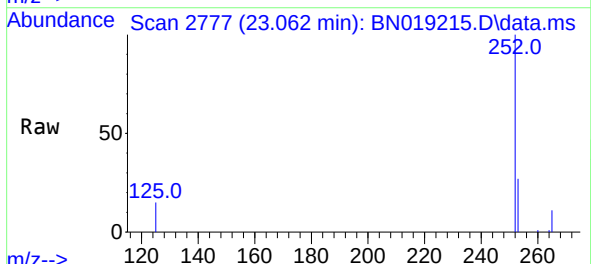
Tgt Ion: 276 Resp: 7835
Ion Ratio Lower Upper
276 100
138 23.2 24.5 36.7
277 21.2 19.8 29.8

Manual Integrations
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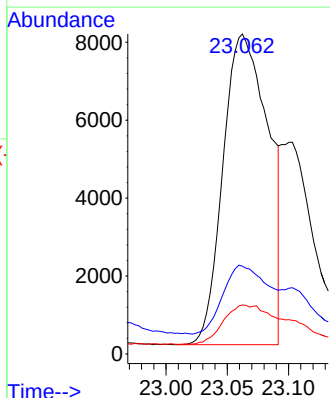
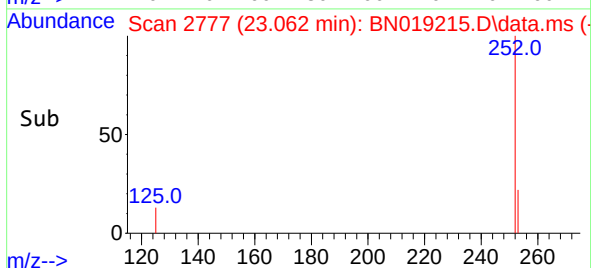
Reviewed By : Christian Giraldo 03/29/2022
Supervised By : Jagrut Upadhyay 03/29/2022

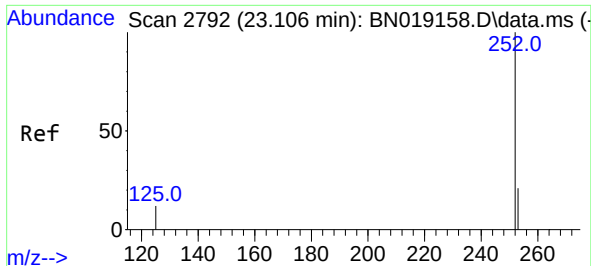


#37
Benzo(b)fluoranthene
Concen: 0.672 ng
RT: 23.062 min Scan# 2777
Delta R.T. 0.003 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06



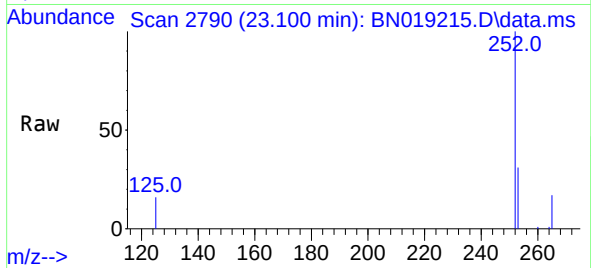
Tgt Ion: 252 Resp: 20481
Ion Ratio Lower Upper
252 100
253 27.4 18.9 28.3
125 15.3 12.1 18.1





#38
Benzo(k)fluoranthene
Concen: 0.248 ng m
RT: 23.100 min Scan# 2790
Delta R.T. -0.006 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06

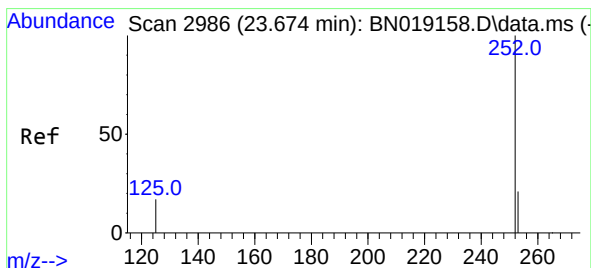
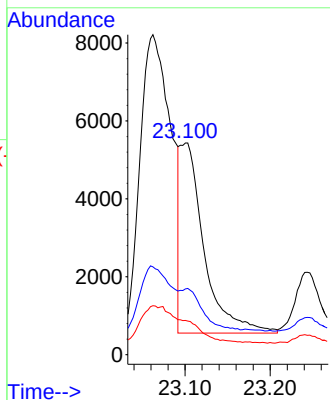
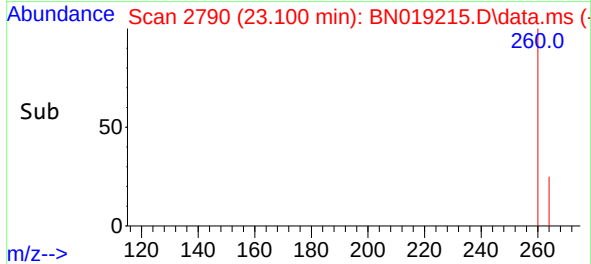
Instrument :
BNA_N
ClientSampleId :
GW-03-(SB-13)



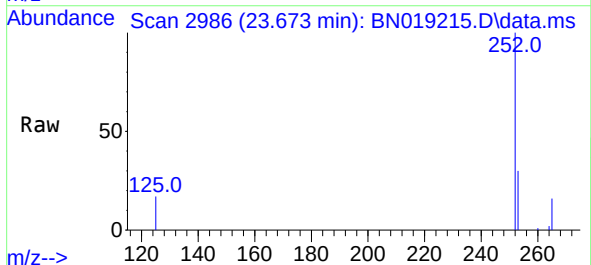
Tgt Ion:252 Resp: 9598
Ion Ratio Lower Upper
252 100
253 31.0 18.9 28.3
125 16.2 10.3 15.5

Manual Integrations
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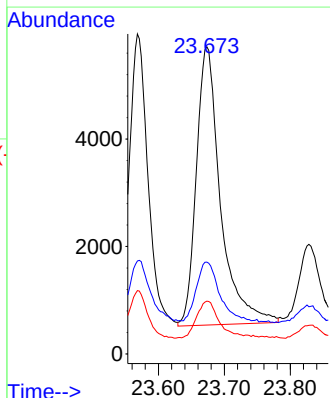
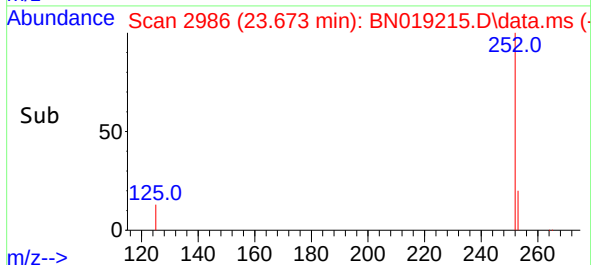
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022

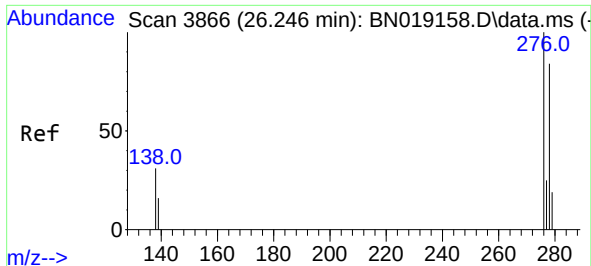


#39
Benzo(a)pyrene
Concen: 0.507 ng
RT: 23.673 min Scan# 2986
Delta R.T. -0.000 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06



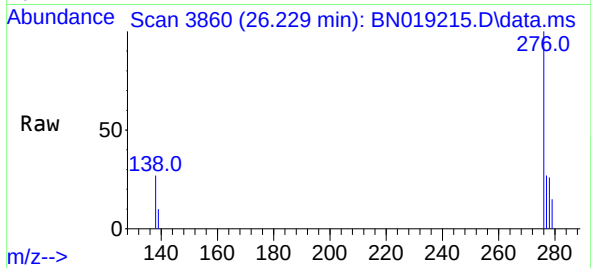
Tgt Ion:252 Resp: 13244
Ion Ratio Lower Upper
252 100
253 29.9 20.1 30.1
125 17.2 15.2 22.8





#40
Dibenzo(a,h)anthracene
Concen: 0.066 ng
RT: 26.229 min Scan# 3860
Delta R.T. -0.018 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06

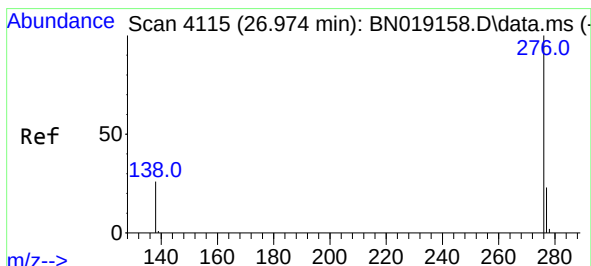
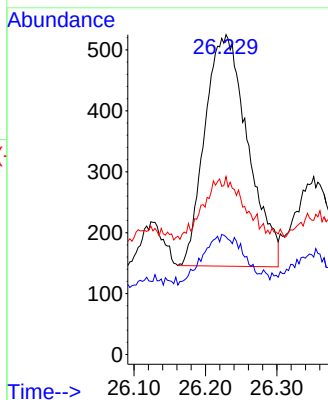
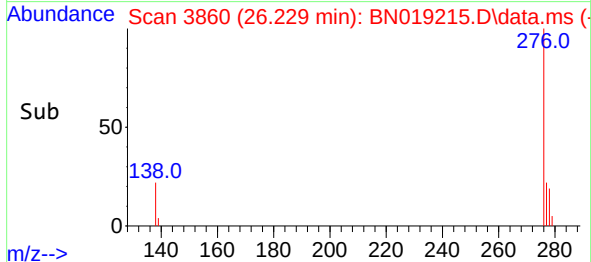
Instrument :
BNA_N
ClientSampleId :
GW-03-(SB-13)



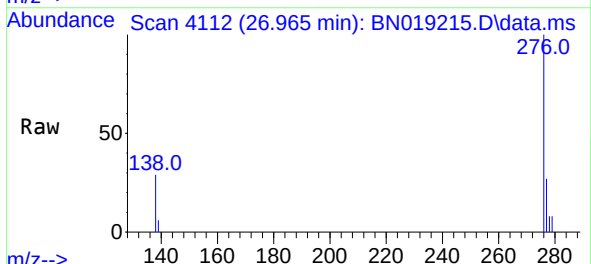
Tgt Ion: 278 Resp: 158
Ion Ratio Lower Upper
278 100
139 36.8 17.2 25.8
279 55.6 19.9 29.9

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 03/29/2022
Supervised By : Jagrut Upadhyay 03/29/2022



#41
Benzo(g,h,i)perylene
Concen: 0.277 ng
RT: 26.965 min Scan# 4112
Delta R.T. -0.009 min
Lab File: BN019215.D
Acq: 29 Mar 2022 03:06



Tgt Ion: 276 Resp: 9155
Ion Ratio Lower Upper
276 100
277 27.0 19.4 29.0
138 29.2 21.0 31.6

