

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050623\
 Data File : BN025315.D
 Acq On : 06 May 2023 14:45
 Operator : CG/JU
 Sample : 02588-15
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PILE-B-UNK-05022023

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023

Quant Time: May 08 04:00:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 08 02:37:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.911	152	5626	0.400	ng	0.00
7) Naphthalene-d8	10.718	136	18692	0.400	ng	-0.01
13) Acenaphthene-d10	14.555	164	11944	0.400	ng	0.00
19) Phenanthrene-d10	17.299	188	28369	0.400	ng	#-0.01
29) Chrysene-d12	21.491	240	27639	0.400	ng	#-0.02
35) Perylene-d12	23.930	264	26591	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.463	112	3964	0.289	ng	0.00
5) Phenol-d6	7.081	99	4997	0.291	ng	0.00
8) Nitrobenzene-d5	9.084	82	3463	0.225	ng	-0.01
11) 2-Methylnaphthalene-d10	12.309	152	7117	0.279	ng	0.00
14) 2,4,6-Tribromophenol	16.057	330	1641	0.269	ng	-0.01
15) 2-Fluorobiphenyl	13.176	172	10819	0.264	ng	-0.01
27) Fluoranthene-d10	19.334	212	19495	0.278	ng	0.00
31) Terphenyl-d14	19.928	244	14561	0.261	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.771	128	21988	0.459	ng	99
12) 2-Methylnaphthalene	12.381	142	8318	0.245	ng	99
16) Acenaphthylene	14.277	152	10535	0.197	ng	97
17) Acenaphthene	14.609	154	4478	0.135	ng	96
18) Fluorene	15.603	166	8284	0.182	ng	# 96
25) Phenanthrene	17.336	178	107705	1.372	ng	100
26) Anthracene	17.435	178	22782	0.310	ng	99
28) Fluoranthene	19.363	202	210994	2.151	ng	99
30) Pyrene	19.726	202	186792	1.977	ng	# 96
32) Benzo(a)anthracene	21.482	228	98383	1.053	ng	98
33) Chrysene	21.527	228	96747	1.040	ng	96
34) Bis(2-ethylhexyl)phtha...	21.392	149	38372	0.523	ng	# 73
36) Indeno(1,2,3-cd)pyrene	26.468	276	44385	0.416	ng	95
37) Benzo(b)fluoranthene	23.188	252	116471	1.382	ng	97
38) Benzo(k)fluoranthene	23.232	252	42807m	0.485	ng	
39) Benzo(a)pyrene	23.825	252	80814	0.936	ng	97
40) Dibenzo(a,h)anthracene	26.474	278	11199	0.133	ng	# 63
41) Benzo(g,h,i)perylene	27.258	276	43454	0.470	ng	97

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

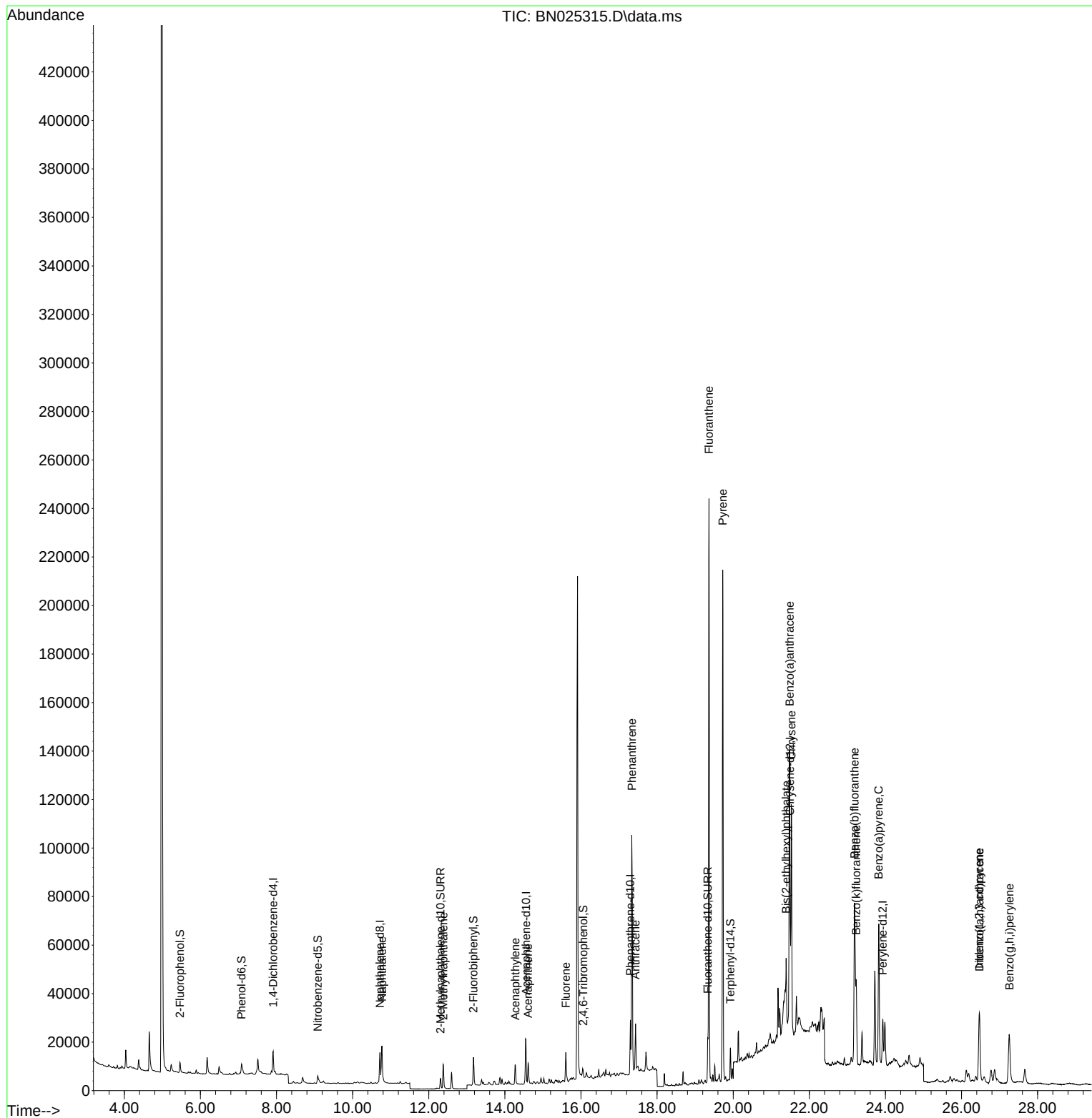
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050623\
Data File : BN025315.D
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Operator : CG/JU
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ALS Vial : 34 Sample Multiplier: 1

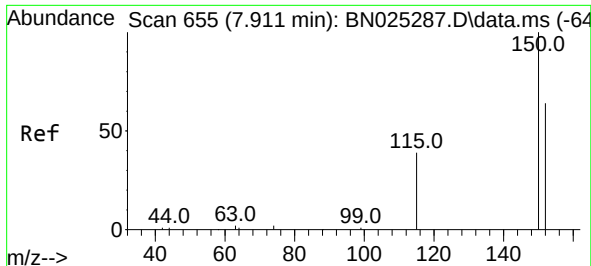
Instrument :
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PILE-B-UNK-05022023

Quant Time: May 08 04:00:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 08 02:37:05 2023
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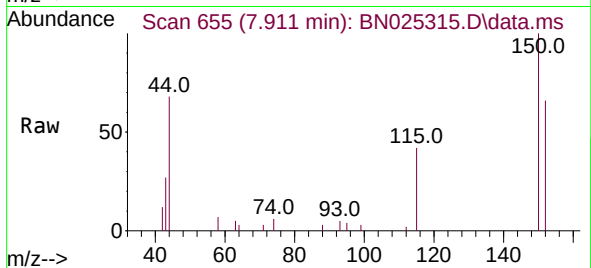
Reviewed By : Christian Giraldo 05/08/2023
Supervised By : Jagrut Upadhyay 05/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.911 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

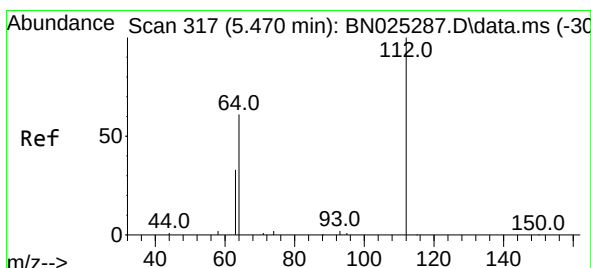
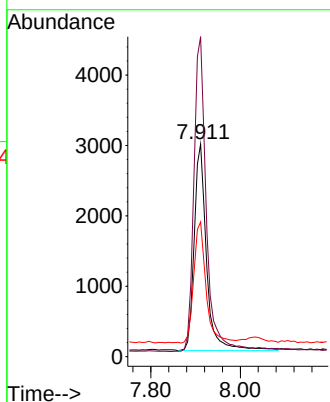
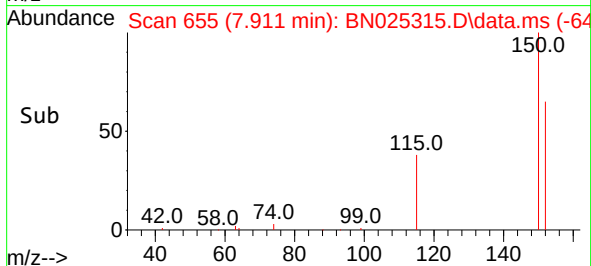
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



Tgt Ion:152 Resp: 5620
Ion Ratio Lower Upper
152 100
150 150.5 123.8 185.8
115 63.4 52.9 79.3

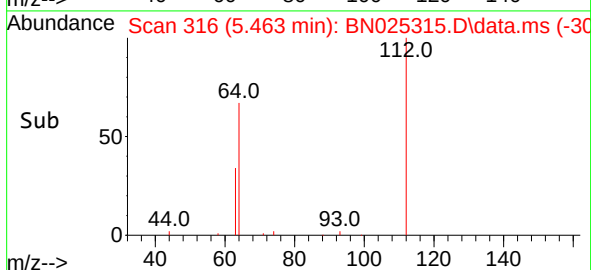
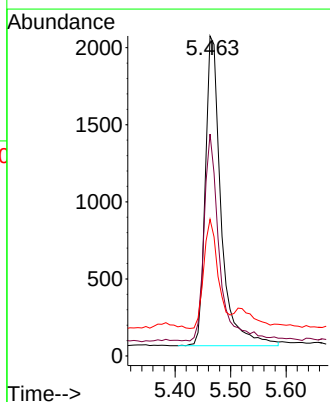
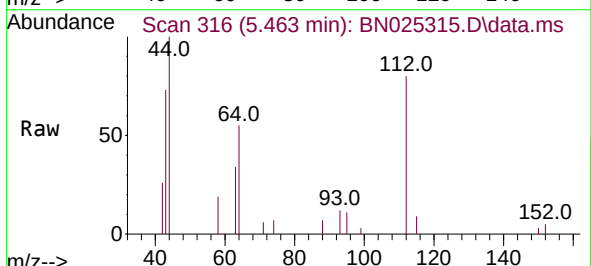
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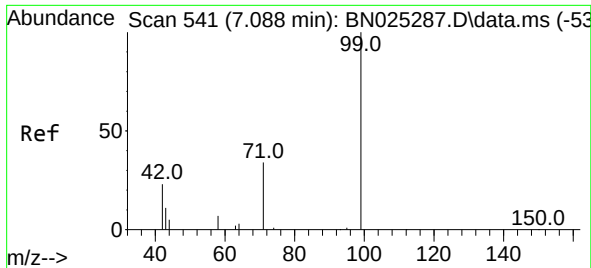
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#4
2-Fluorophenol
Concen: 0.289 ng
RT: 5.463 min Scan# 316
Delta R.T. -0.007 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

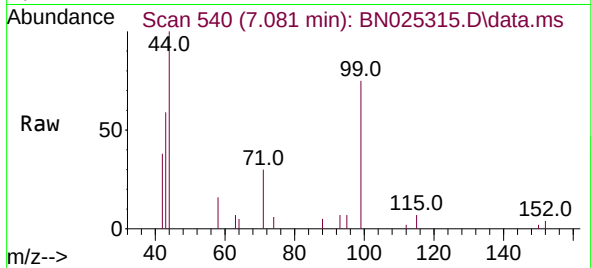
Tgt Ion:112 Resp: 3964
Ion Ratio Lower Upper
112 100
64 65.1 51.5 77.3
63 32.1 27.8 41.6





#5
Phenol-d6
Concen: 0.291 ng
RT: 7.081 min Scan# 541
Delta R.T. -0.007 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

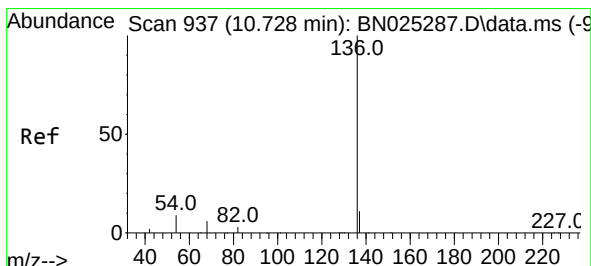
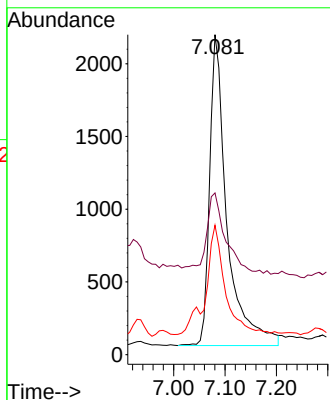
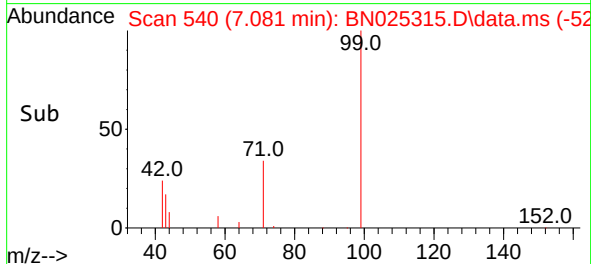
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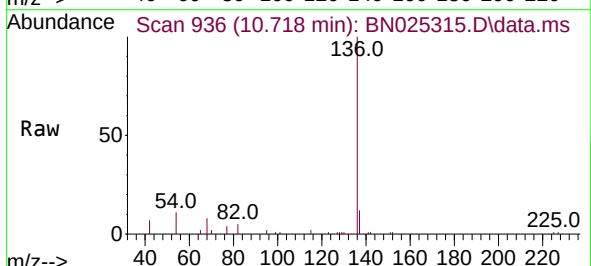
Tgt Ion: 99 Resp: 499
Ion Ratio Lower Upper
99 100
42 27.8 22.0 33.0
71 39.7 28.7 43.1

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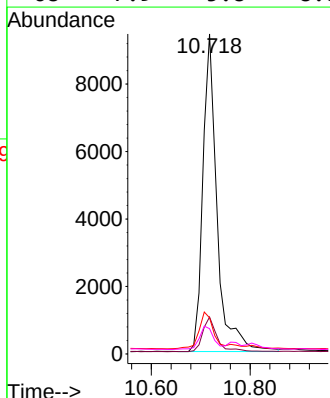
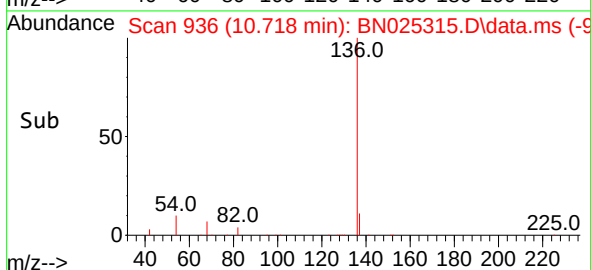
Reviewed By :Christian Giraldo 05/08/2023
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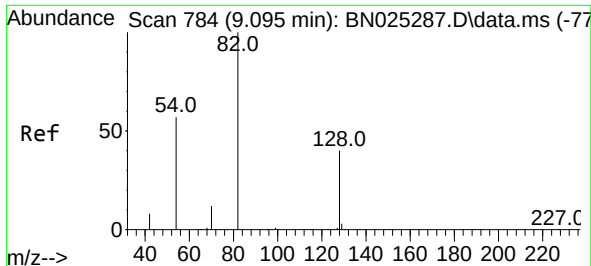


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.718 min Scan# 936
Delta R.T. -0.011 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45



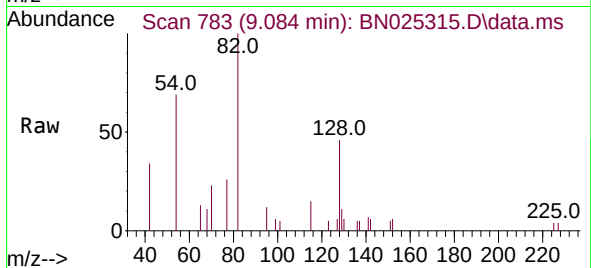
Tgt Ion:136 Resp: 18692
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.2
54 11.3 8.5 12.7
68 7.9 5.8 8.8





#8
Nitrobenzene-d5
Concen: 0.225 ng
RT: 9.084 min Scan# 783
Delta R.T. -0.011 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

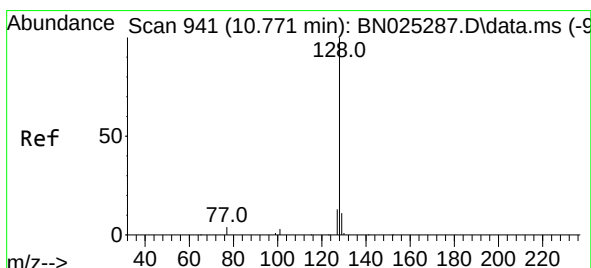
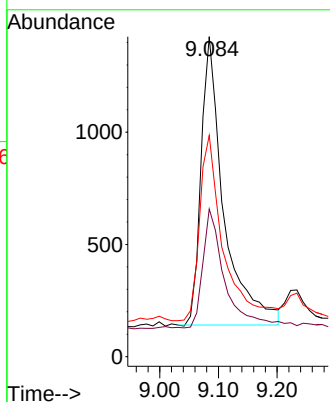
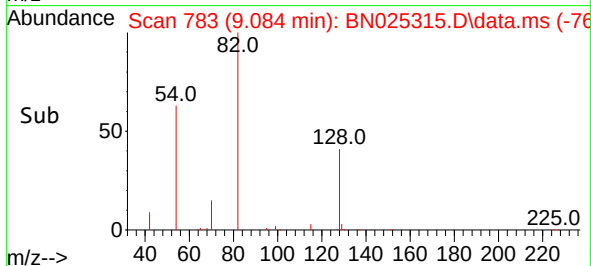
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 82 Resp: 346
Ion Ratio Lower Upper
82 100
128 46.1 35.3 52.9
54 69.1 48.7 73.1

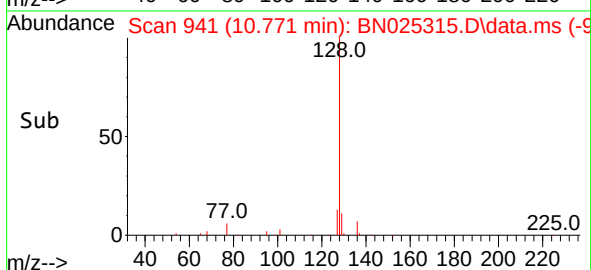
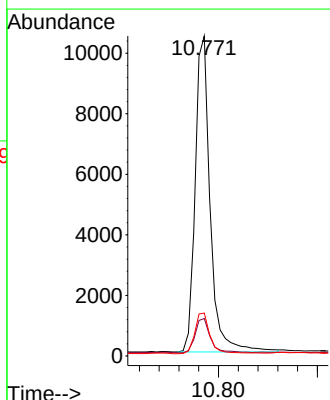
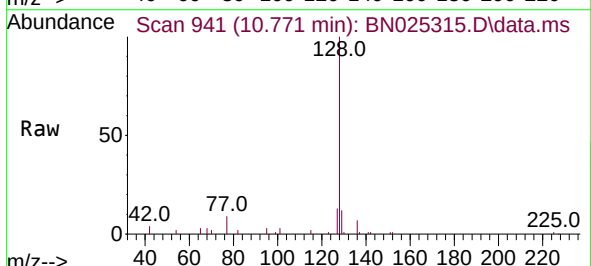
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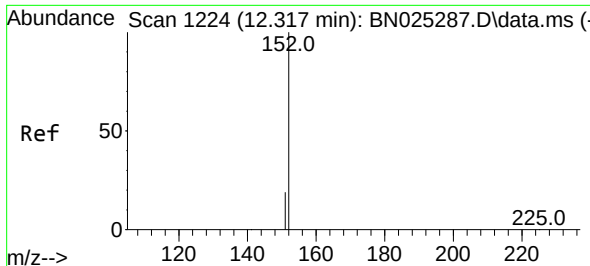
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#9
Naphthalene
Concen: 0.459 ng
RT: 10.771 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

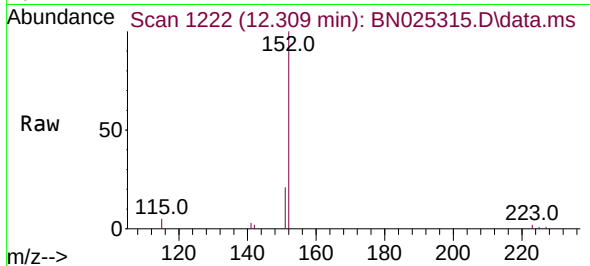
Tgt Ion:128 Resp: 21988
Ion Ratio Lower Upper
128 100
129 11.7 9.4 14.2
127 13.4 11.0 16.6





#11
2-Methylnaphthalene-d10
Concen: 0.279 ng
RT: 12.309 min Scan# 11
Delta R.T. -0.007 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

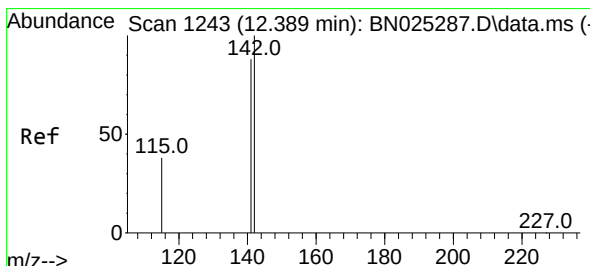
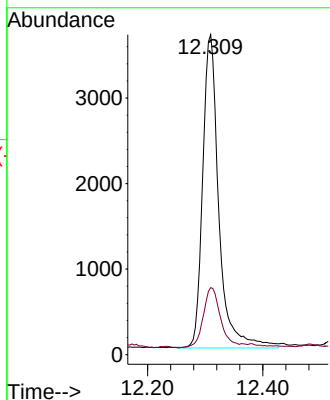
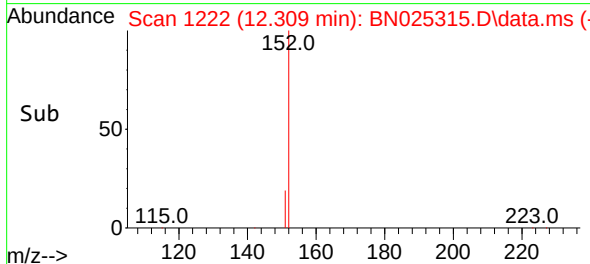
Instrument :
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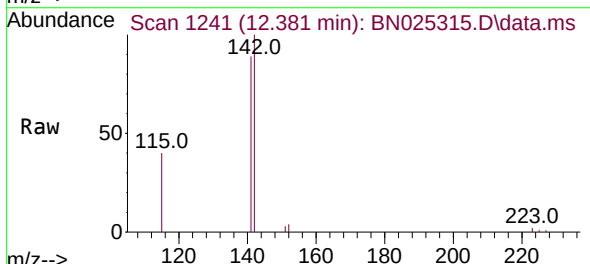
Tgt Ion:152 Resp: 711
Ion Ratio Lower Upper
152 100
151 20.2 16.4 24.6

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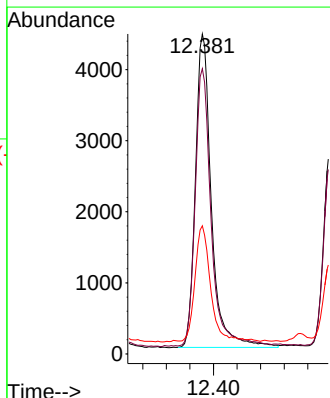
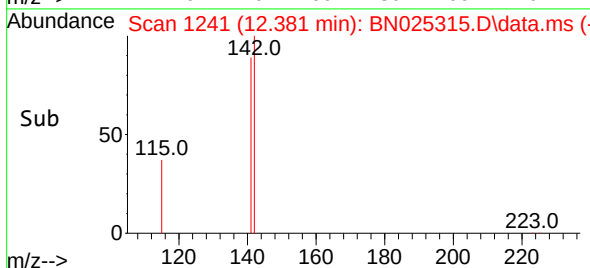
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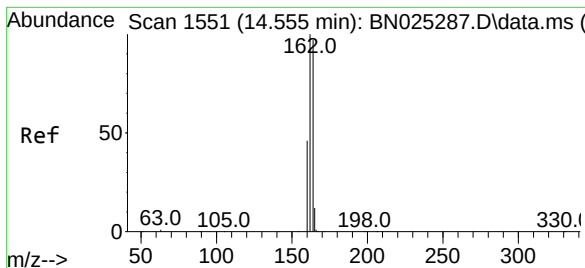


#12
2-Methylnaphthalene
Concen: 0.245 ng
RT: 12.381 min Scan# 1241
Delta R.T. -0.007 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45



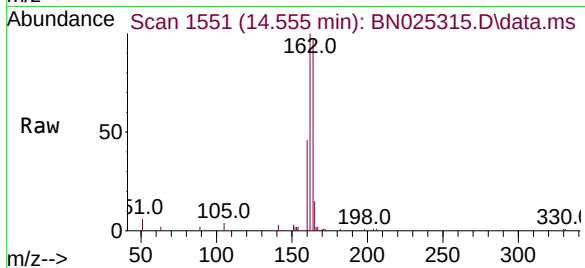
Tgt Ion:142 Resp: 8318
Ion Ratio Lower Upper
142 100
141 89.1 70.5 105.7
115 40.1 31.6 47.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.555 min Scan# 1194
Delta R.T. 0.000 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

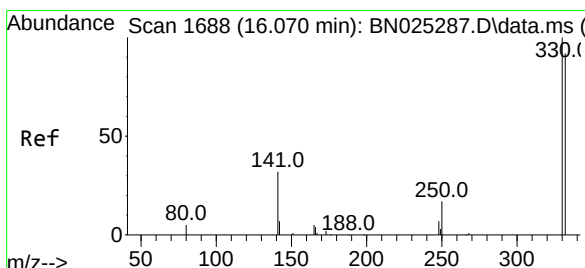
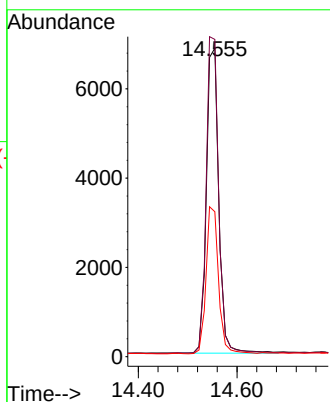
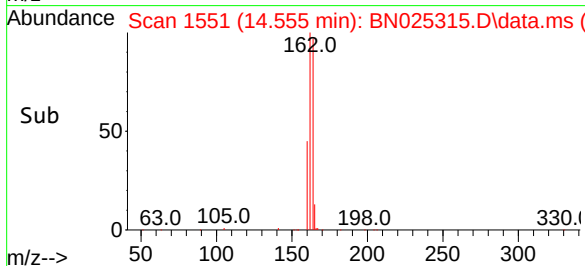
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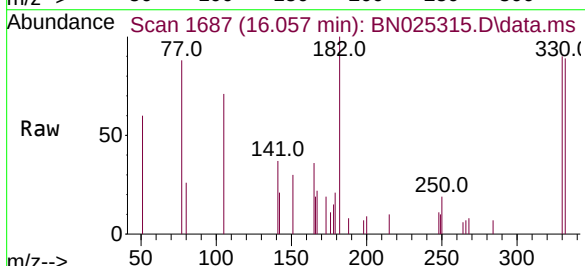
Tgt Ion:164 Resp: 1194
Ion Ratio Lower Upper
164 100
162 102.9 82.1 123.1
160 47.0 38.3 57.5

Manual Integrations
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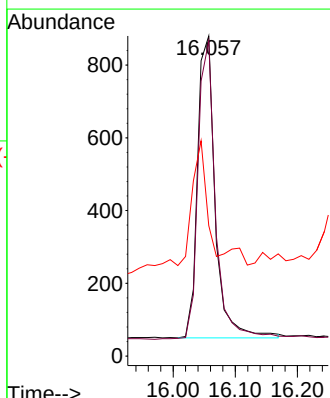
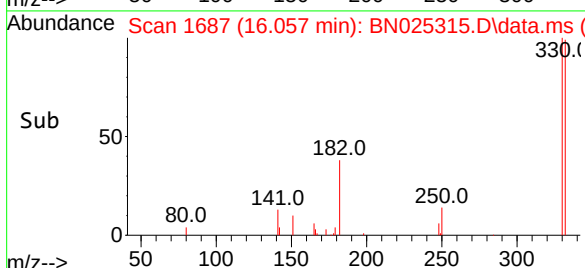
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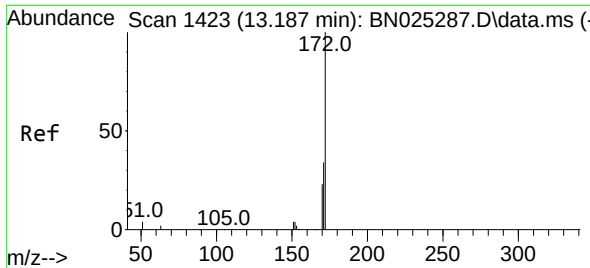


#14
2,4,6-Tribromophenol
Concen: 0.269 ng
RT: 16.057 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45



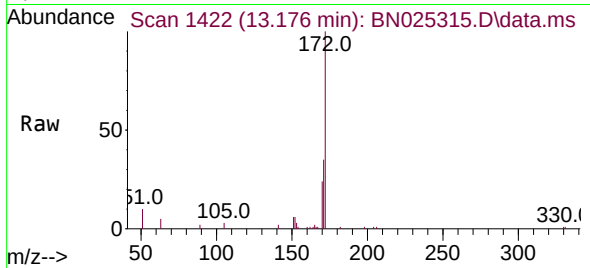
Tgt Ion:330 Resp: 1641
Ion Ratio Lower Upper
330 100
332 97.5 77.4 116.0
141 34.9 28.9 43.3





#15
2-Fluorobiphenyl
Concen: 0.264 ng
RT: 13.176 min Scan# 1423
Delta R.T. -0.011 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

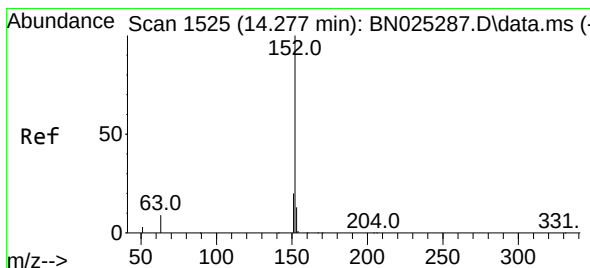
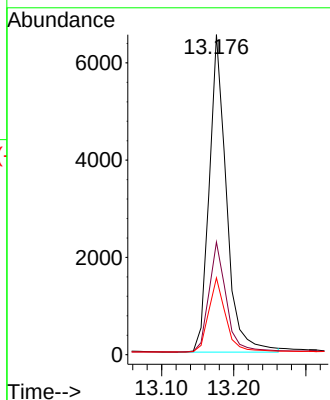
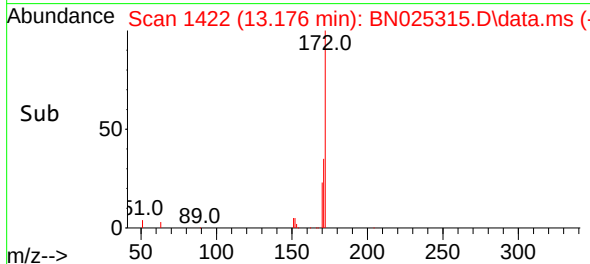
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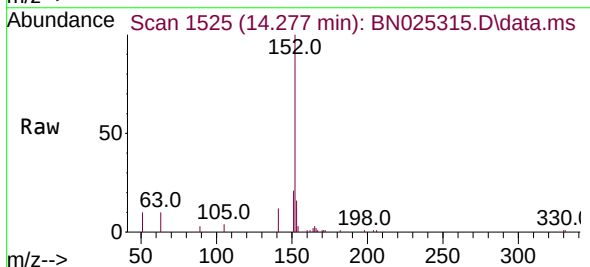
Tgt Ion:172 Resp: 10819
Ion Ratio Lower Upper
172 100
171 35.2 27.9 41.9
170 24.0 19.0 28.4

Manual Integrations
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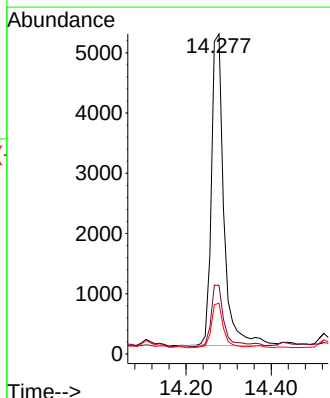
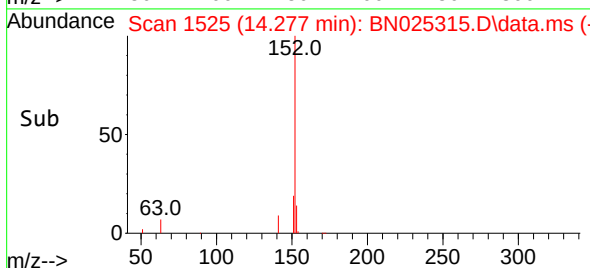
Reviewed By :Christian Giraldo 05/08/2023
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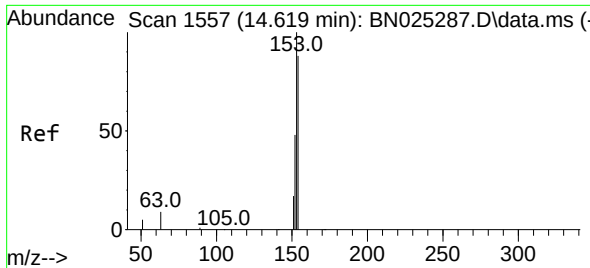


#16
Acenaphthylene
Concen: 0.197 ng
RT: 14.277 min Scan# 1525
Delta R.T. 0.000 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45



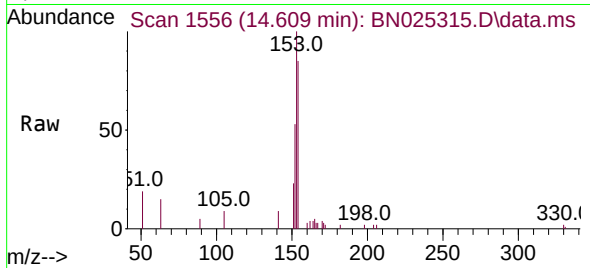
Tgt Ion:152 Resp: 10535
Ion Ratio Lower Upper
152 100
151 21.3 16.1 24.1
153 13.8 10.3 15.5





#17
Acenaphthene
Concen: 0.135 ng
RT: 14.609 min Scan# 1556
Delta R.T. -0.011 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

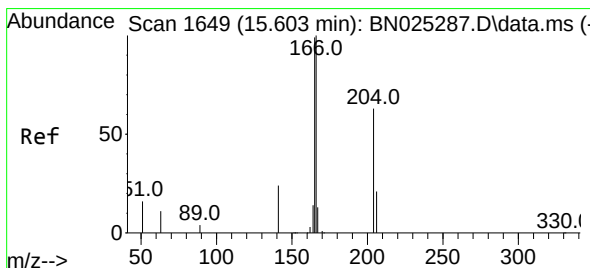
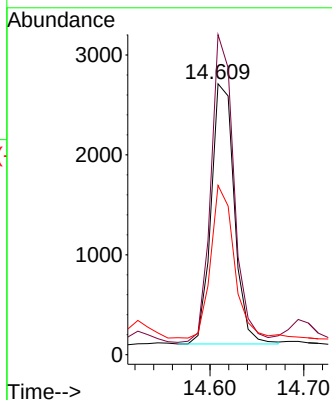
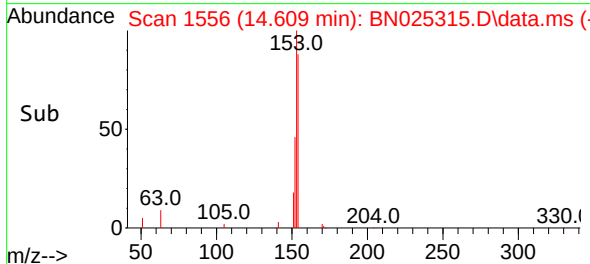
Instrument :
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ClientSampleId :
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Tgt Ion:154 Resp: 4478
Ion Ratio Lower Upper
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153 117.3 91.3 136.9
152 61.1 44.7 67.1

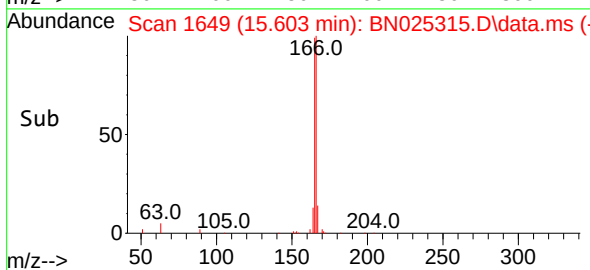
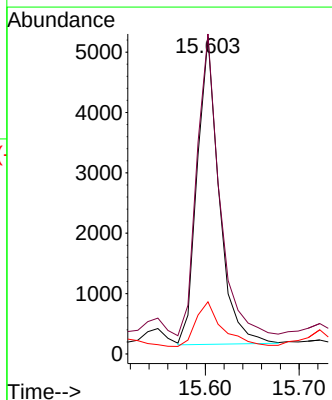
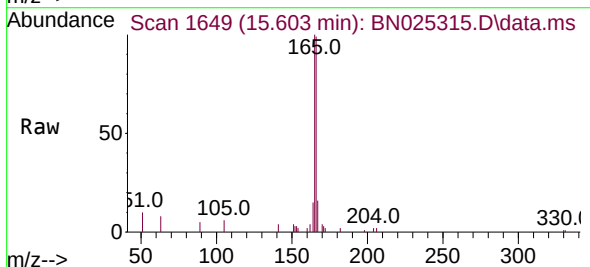
Manual Integrations
APPROVED

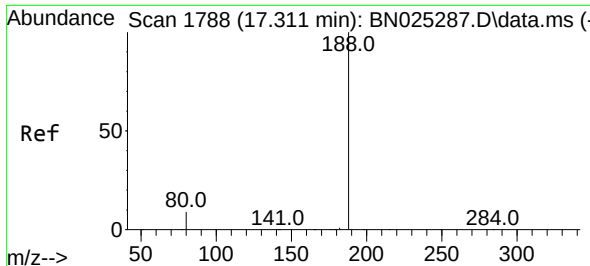
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#18
Fluorene
Concen: 0.182 ng
RT: 15.603 min Scan# 1649
Delta R.T. 0.000 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

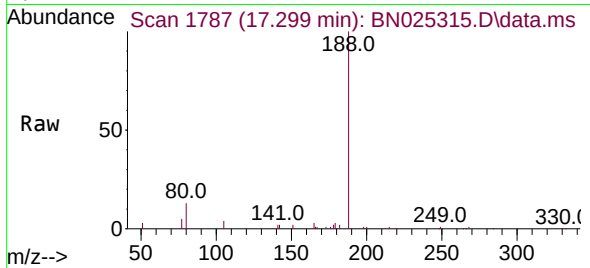
Tgt Ion:166 Resp: 8284
Ion Ratio Lower Upper
166 100
165 101.4 79.0 118.4
167 17.6 10.3 15.5#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.299 min Scan# 1788
Delta R.T. -0.012 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

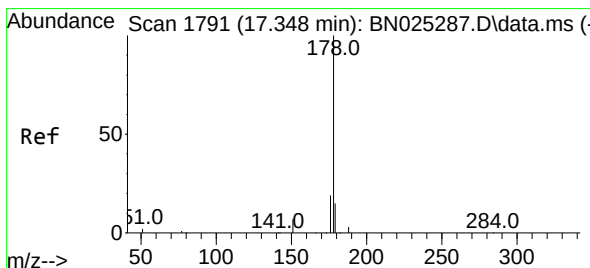
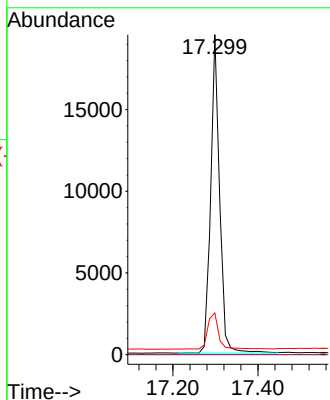
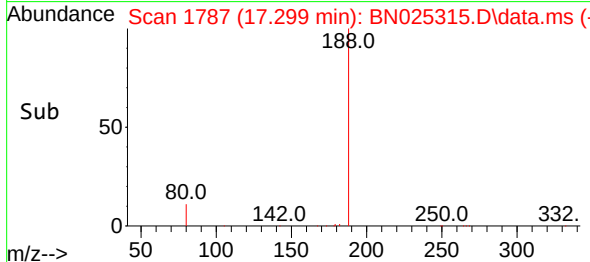
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



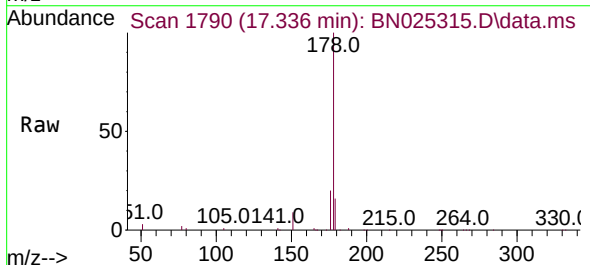
Tgt Ion:188 Resp: 28369
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.1 8.0 12.0

Manual Integrations
APPROVED

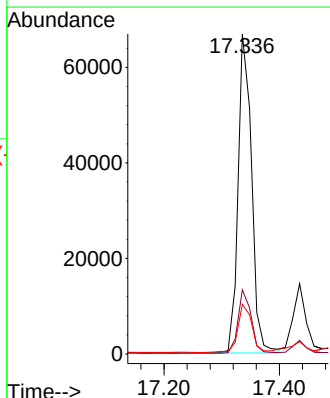
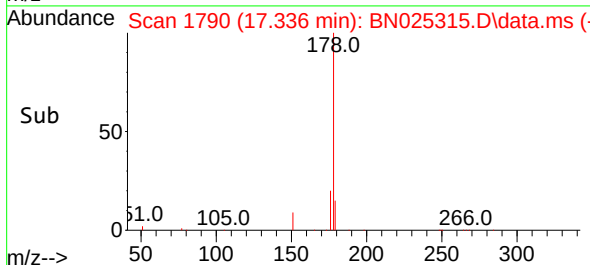
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

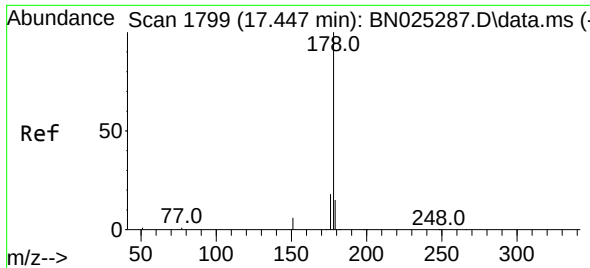


#25
Phenanthrene
Concen: 1.372 ng
RT: 17.336 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45



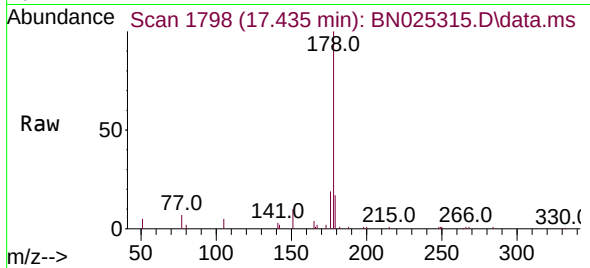
Tgt Ion:178 Resp: 107705
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.8 12.4 18.6





#26
 Anthracene
 Concen: 0.310 ng
 RT: 17.435 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN025315.D
 Acq: 06 May 2023 14:45

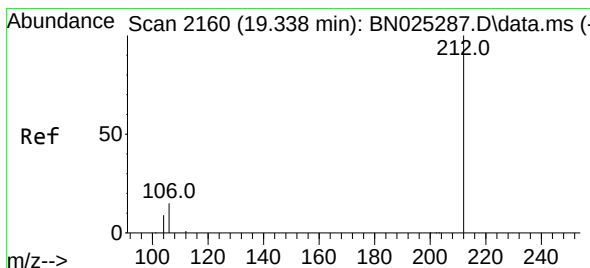
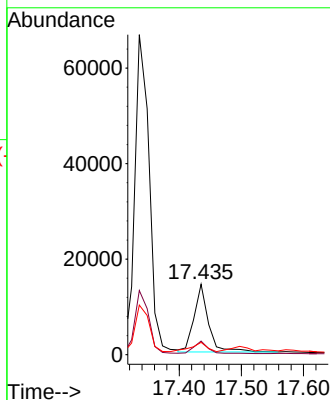
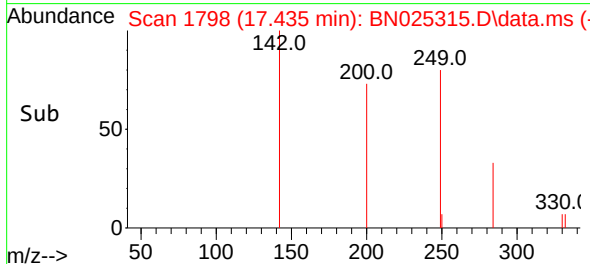
Instrument :
 BNA_N
 ClientSampleId :
 PILE-B-UNK-05022023



Tgt Ion:178 Resp: 2278
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.9 22.3
 179 15.1 12.0 18.0

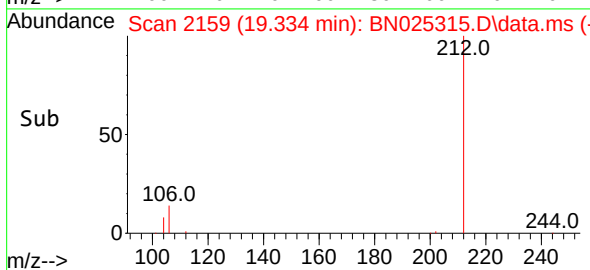
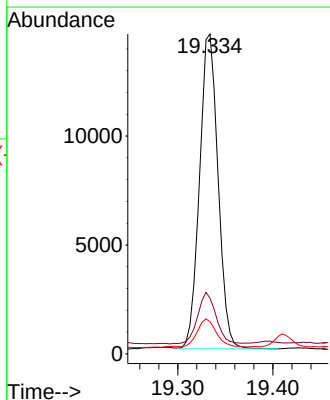
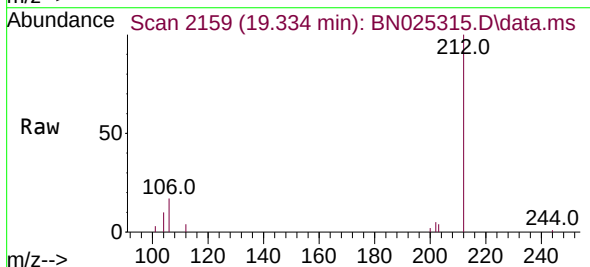
Manual Integrations
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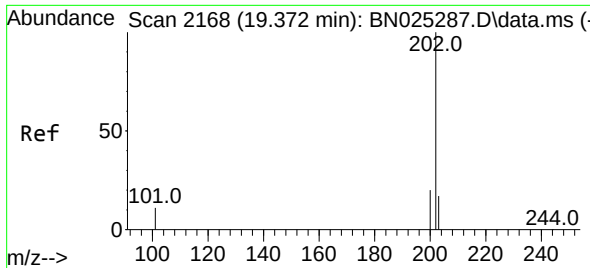
Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023



#27
 Fluoranthene-d10
 Concen: 0.278 ng
 RT: 19.334 min Scan# 2159
 Delta R.T. -0.004 min
 Lab File: BN025315.D
 Acq: 06 May 2023 14:45

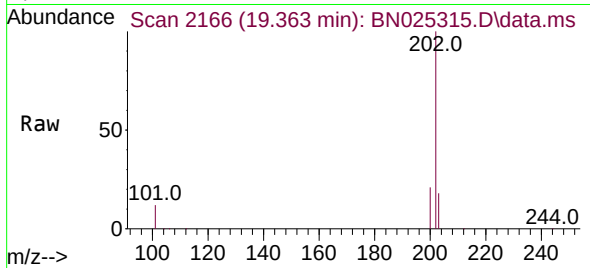
Tgt Ion:212 Resp: 19495
 Ion Ratio Lower Upper
 212 100
 106 16.2 12.6 19.0
 104 9.9 7.0 10.6





#28
Fluoranthene
Concen: 2.151 ng
RT: 19.363 min Scan# 2166
Delta R.T. -0.008 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

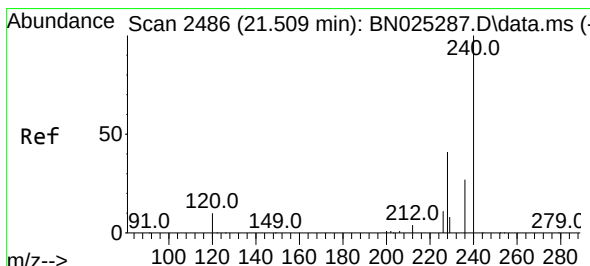
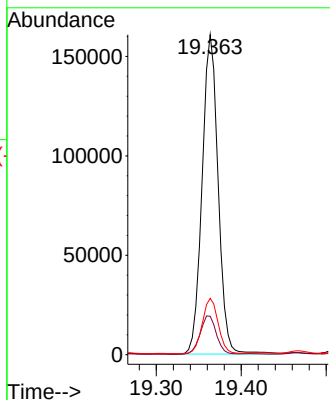
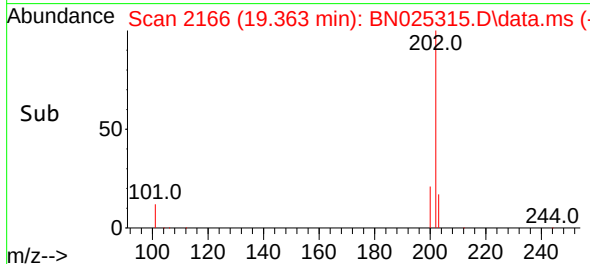
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



Tgt Ion:202 Resp: 210994
Ion Ratio Lower Upper
202 100
101 12.1 9.8 14.8
203 17.2 13.5 20.3

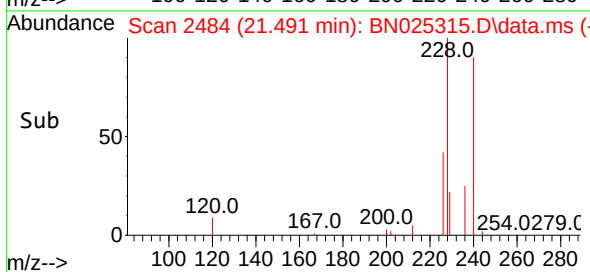
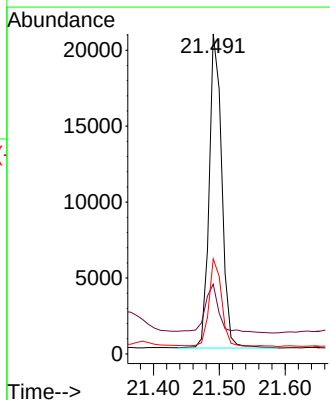
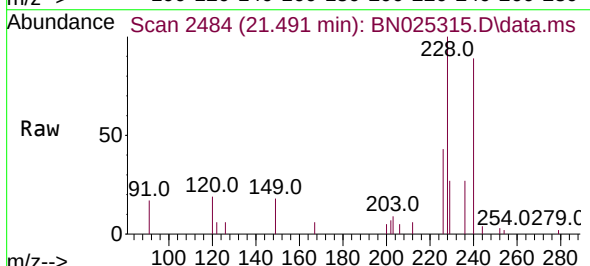
Manual Integrations
APPROVED

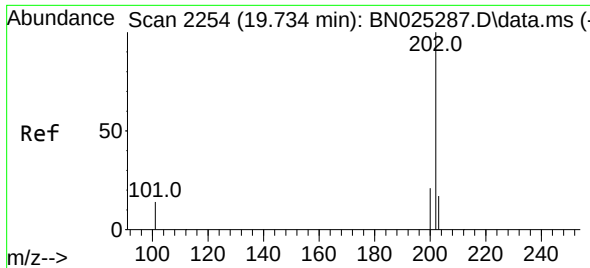
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.491 min Scan# 2484
Delta R.T. -0.018 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

Tgt Ion:240 Resp: 27639
Ion Ratio Lower Upper
240 100
120 21.8 10.3 15.5#
236 29.7 22.3 33.5





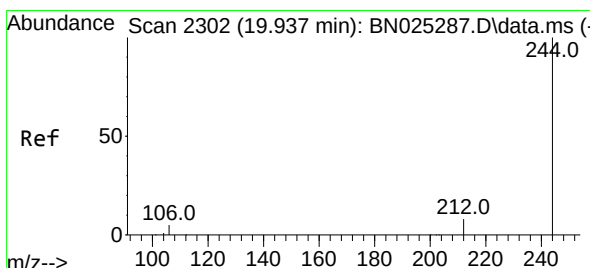
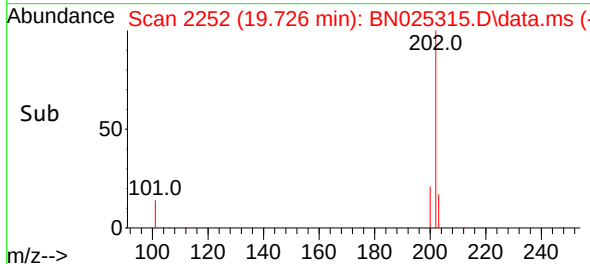
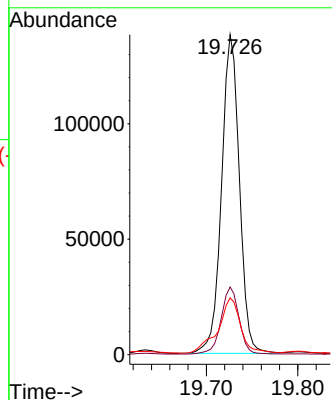
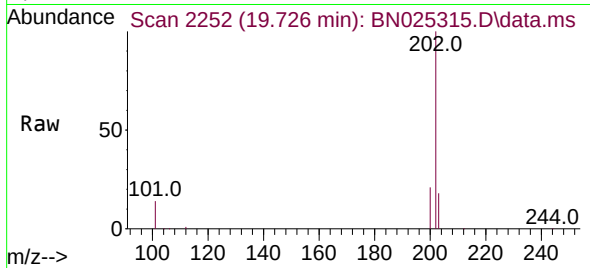
#30
Pyrene
Concen: 1.977 ng
RT: 19.726 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023

Tgt Ion:202 Resp: 186792
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 21.7 14.4 21.6

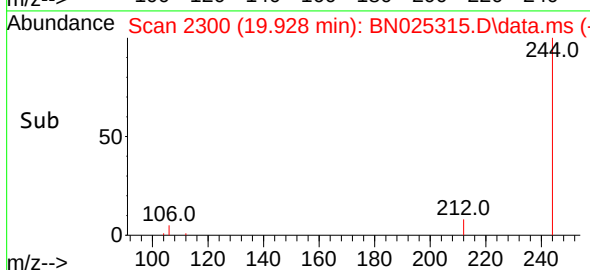
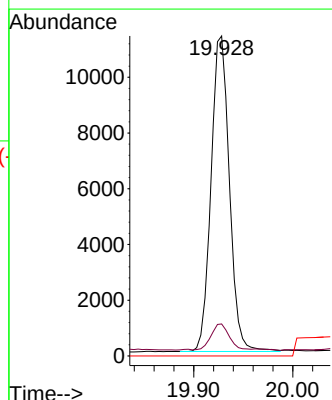
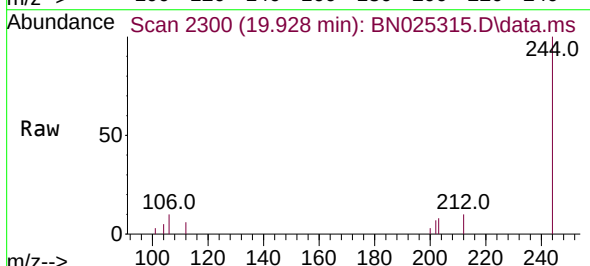
Manual Integrations
APPROVED

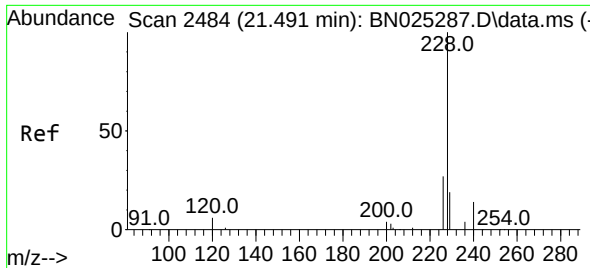
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#31
Terphenyl-d14
Concen: 0.261 ng
RT: 19.928 min Scan# 2300
Delta R.T. -0.008 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

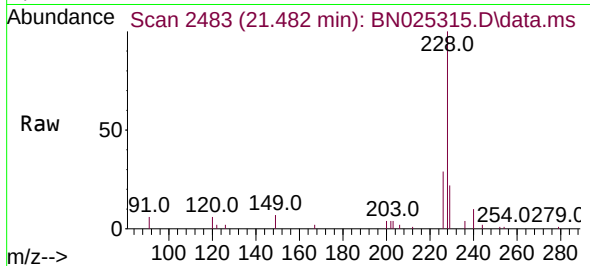
Tgt Ion:244 Resp: 14561
Ion Ratio Lower Upper
244 100
212 10.0 7.1 10.7
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 1.053 ng
RT: 21.482 min Scan# 2483
Delta R.T. -0.009 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

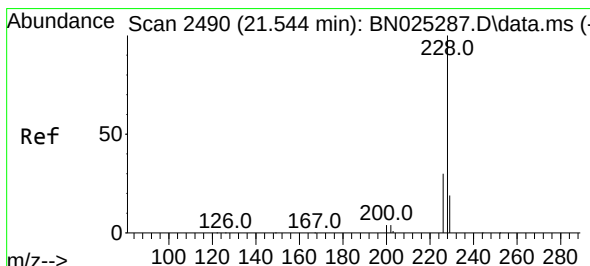
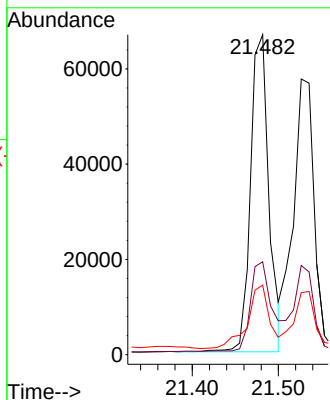
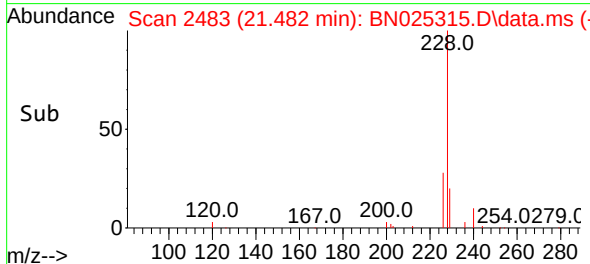
Instrument : BNA_N
ClientSampleId : PILE-B-UNK-05022023



Tgt Ion:228 Resp: 9838
Ion Ratio Lower Upper
228 100
226 29.0 22.5 33.7
229 21.8 16.2 24.2

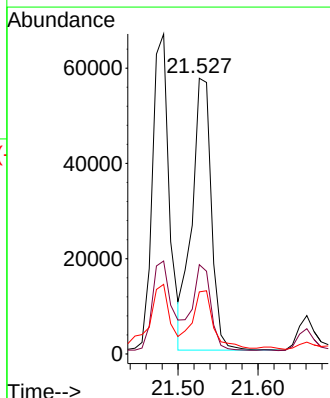
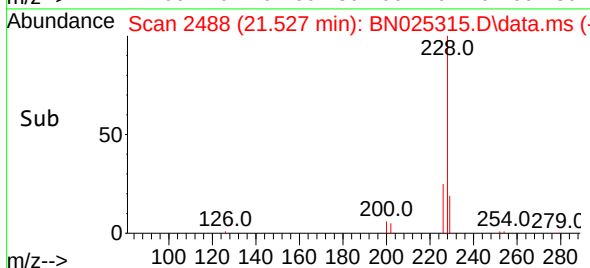
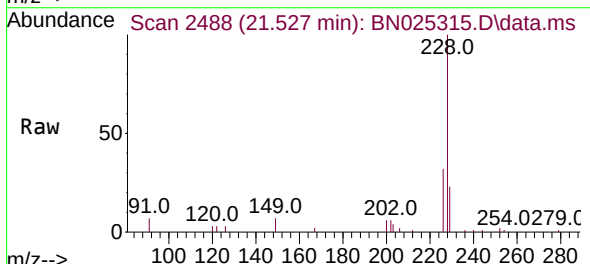
Manual Integrations
APPROVED

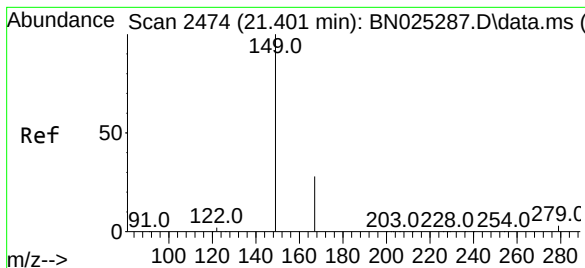
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#33
Chrysene
Concen: 1.040 ng
RT: 21.527 min Scan# 2488
Delta R.T. -0.018 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

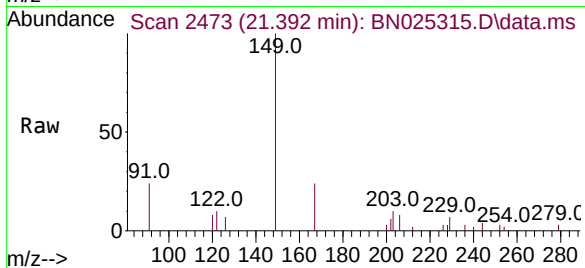
Tgt Ion:228 Resp: 96747
Ion Ratio Lower Upper
228 100
226 32.4 24.6 36.8
229 22.5 16.2 24.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.523 ng
RT: 21.392 min Scan# 2473
Delta R.T. -0.009 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

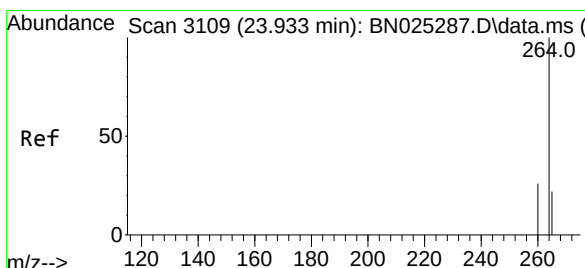
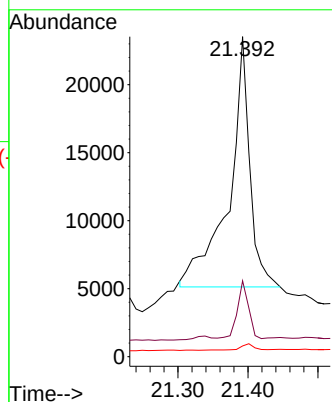
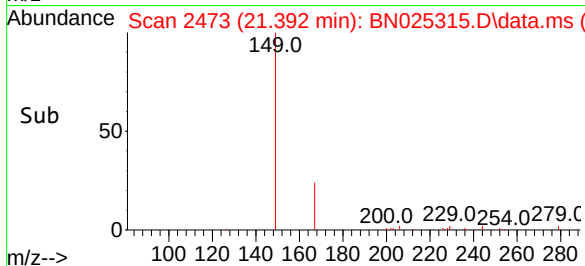
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



Tgt Ion:149 Resp: 38372
Ion Ratio Lower Upper
149 100
167 12.2 22.2 33.4
279 2.0 2.6 4.0

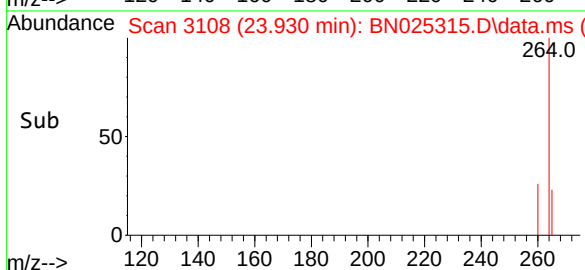
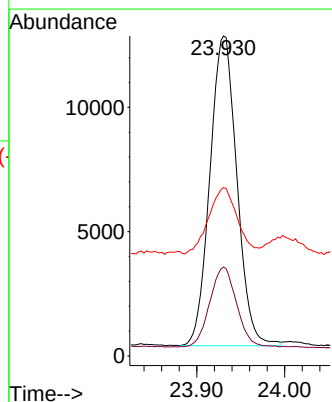
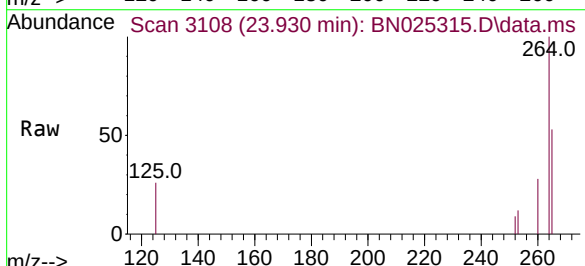
Manual Integrations
APPROVED

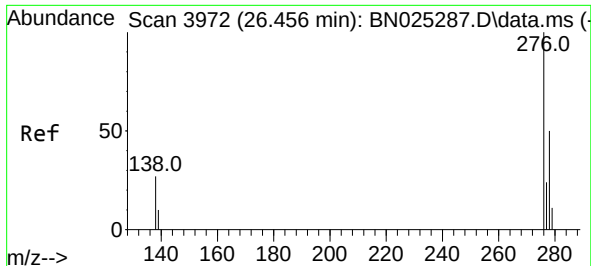
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.930 min Scan# 3108
Delta R.T. -0.003 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

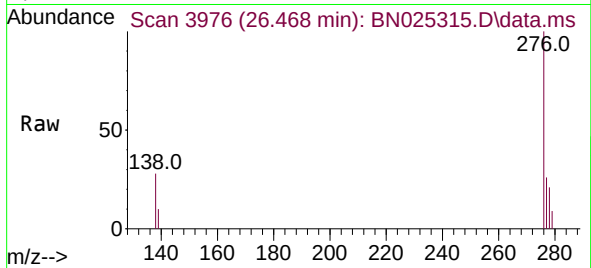
Tgt Ion:264 Resp: 26591
Ion Ratio Lower Upper
264 100
260 27.8 21.5 32.3
265 52.6 46.2 69.4





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.416 ng
RT: 26.468 min Scan# 3976
Delta R.T. 0.012 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

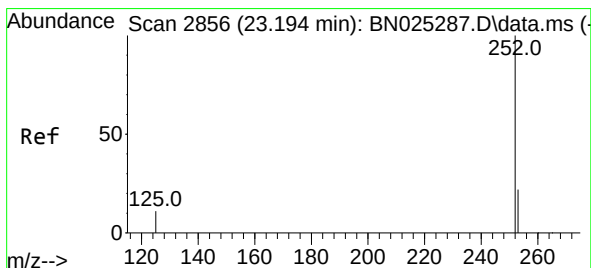
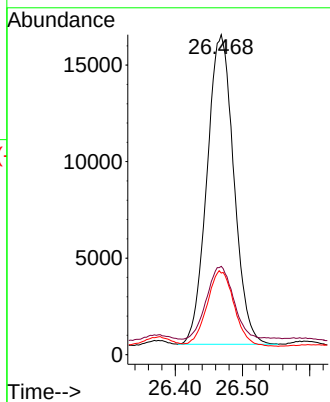
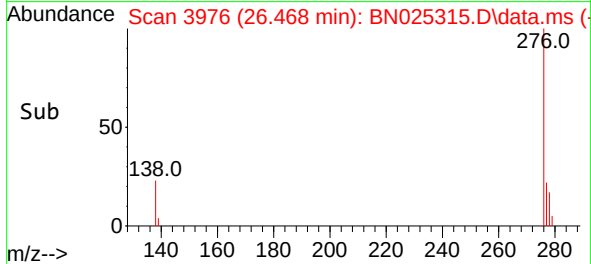
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



Tgt Ion:276 Resp: 44385
Ion Ratio Lower Upper
276 100
138 23.6 22.5 33.7
277 24.9 19.8 29.6

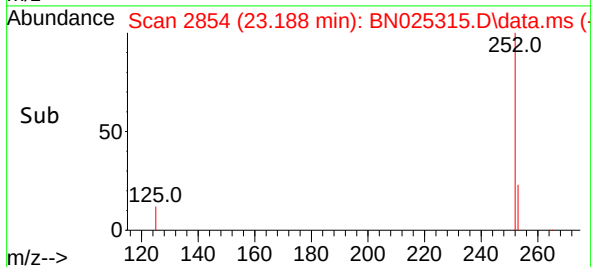
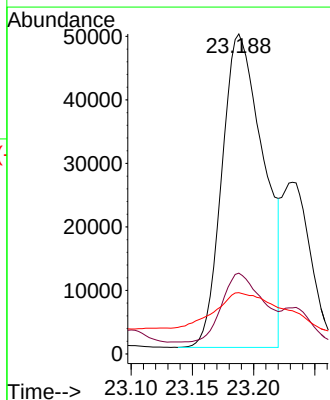
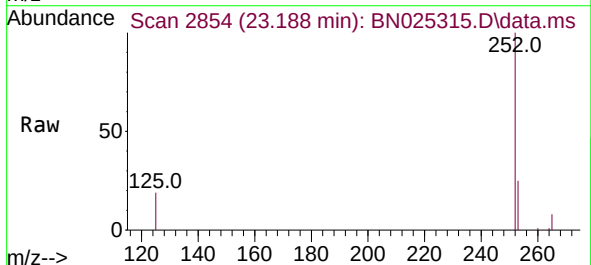
Manual Integrations
APPROVED

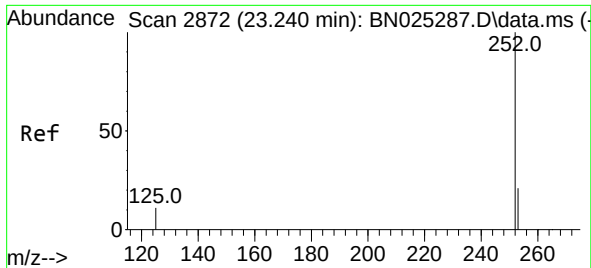
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#37
Benzo(b)fluoranthene
Concen: 1.382 ng
RT: 23.188 min Scan# 2854
Delta R.T. -0.006 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

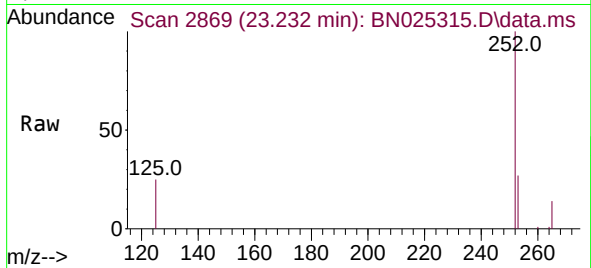
Tgt Ion:252 Resp: 116471
Ion Ratio Lower Upper
252 100
253 25.3 20.8 31.2
125 19.1 13.4 20.2





#38
Benzo(k)fluoranthene
Concen: 0.485 ng m
RT: 23.232 min Scan# 2869
Delta R.T. -0.009 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

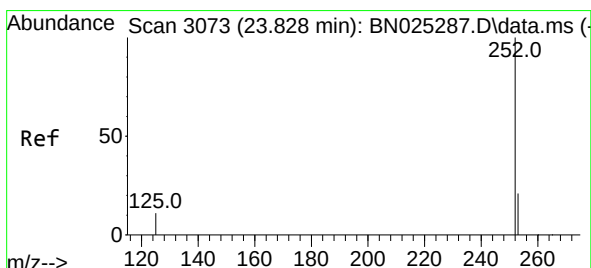
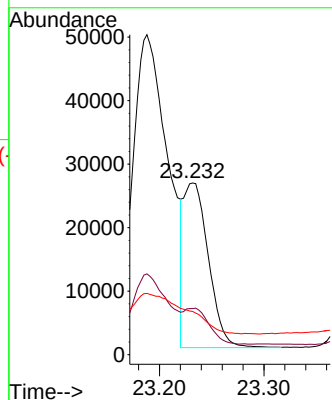
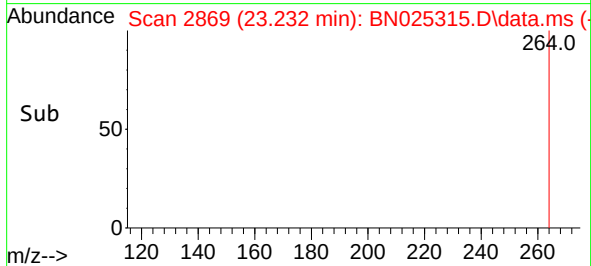
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



Tgt Ion:252 Resp: 42807
Ion Ratio Lower Upper
252 100
253 26.9 20.6 30.8
125 25.2 13.1 19.7

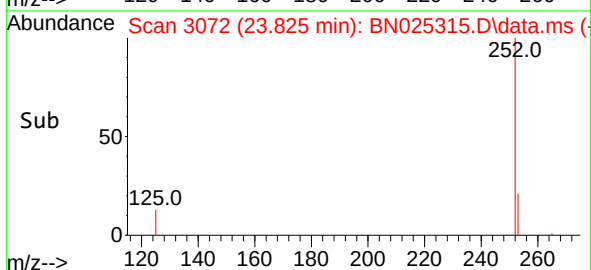
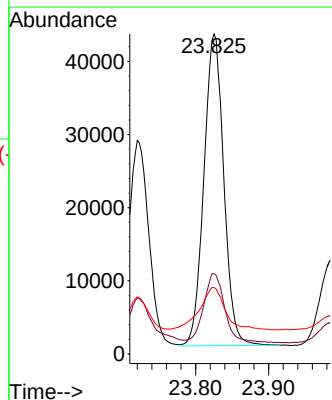
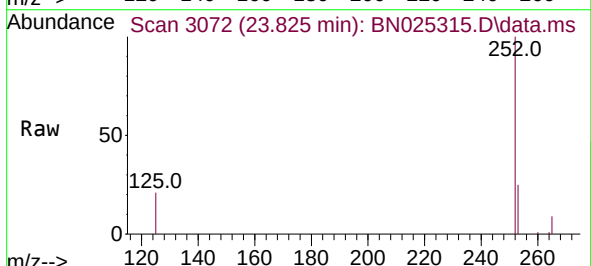
Manual Integrations
APPROVED

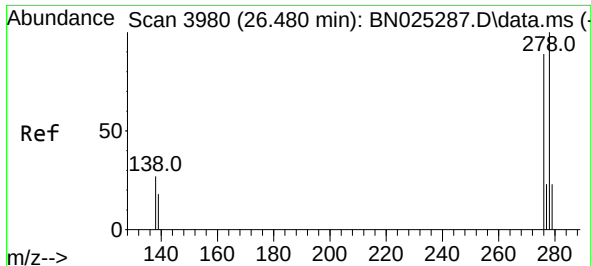
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#39
Benzo(a)pyrene
Concen: 0.936 ng
RT: 23.825 min Scan# 3072
Delta R.T. -0.003 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

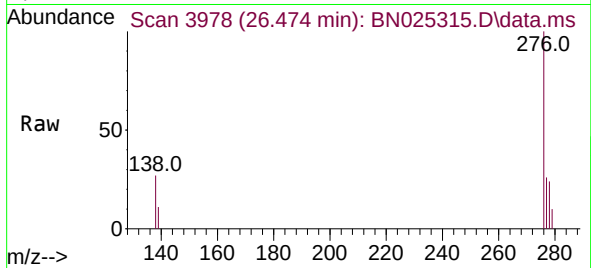
Tgt Ion:252 Resp: 80814
Ion Ratio Lower Upper
252 100
253 25.1 21.4 32.0
125 20.8 15.4 23.2





#40
Dibenzo(a,h)anthracene
Concen: 0.133 ng
RT: 26.474 min Scan# 3980
Delta R.T. -0.006 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

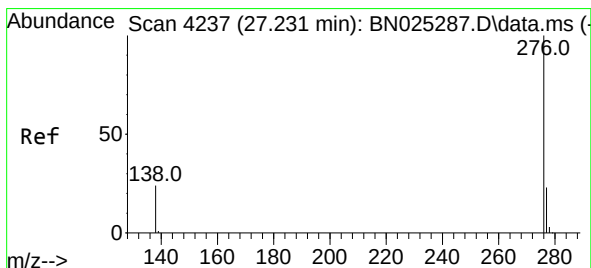
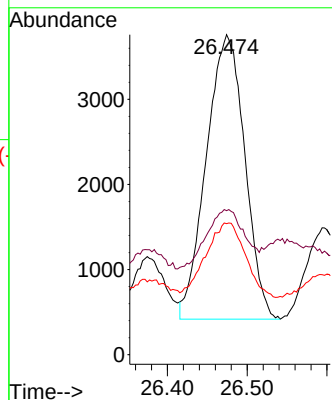
Instrument :
BNA_N
ClientSampleId :
PILE-B-UNK-05022023



Tgt Ion: 278 Resp: 11199
Ion Ratio Lower Upper
278 100
139 45.0 17.6 26.4
279 41.0 21.6 32.4

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 05/08/2023
Supervised By : Jagrut Upadhyay 05/08/2023



#41
Benzo(g,h,i)perylene
Concen: 0.470 ng
RT: 27.258 min Scan# 4246
Delta R.T. 0.026 min
Lab File: BN025315.D
Acq: 06 May 2023 14:45

Tgt Ion: 276 Resp: 43454
Ion Ratio Lower Upper
276 100
277 26.0 20.1 30.1
138 28.3 21.0 31.6

