

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080923\
 Data File : BN026853.D
 Acq On : 08 Aug 2023 19:18
 Operator : MA/JU
 Sample : 03815-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BUILDING-B-7-(0-5)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/09/2023
 Supervised By :mohammad ahmed 08/09/2023

Quant Time: Aug 09 01:12:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 09 01:06:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.109	152	13326	0.400	ng	0.00
7) Naphthalene-d8	10.938	136	38489	0.400	ng	# 0.00
13) Acenaphthene-d10	14.737	164	21402	0.400	ng	0.00
19) Phenanthrene-d10	17.480	188	40674	0.400	ng	0.00
29) Chrysene-d12	21.659	240	26908	0.400	ng	# 0.00
35) Perylene-d12	24.215	264	27933	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.618	112	10652	0.316	ng	0.00
5) Phenol-d6	7.236	99	11949	0.273	ng	0.00
8) Nitrobenzene-d5	9.294	82	6713	0.295	ng	0.00
11) 2-Methylnaphthalene-d10	12.510	152	16165	0.293	ng	0.00
14) 2,4,6-Tribromophenol	16.214	330	1770	0.243	ng	-0.01
15) 2-Fluorobiphenyl	13.368	172	24028	0.275	ng	0.00
27) Fluoranthene-d10	19.500	212	24103	0.247	ng	0.00
31) Terphenyl-d14	20.090	244	18014	0.321	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.992	128	214796	2.029	ng	99
12) 2-Methylnaphthalene	12.581	142	84001	1.163	ng	99
16) Acenaphthylene	14.459	152	326430	3.085	ng	100
17) Acenaphthene	14.801	154	16970	0.256	ng	# 87
18) Fluorene	15.780	166	61332	0.710	ng	# 84
25) Phenanthrene	17.517	178	653523	5.290	ng	99
26) Anthracene	17.617	178	346977	3.144	ng	99
28) Fluoranthene	19.532	202	1337767	9.726	ng	98
30) Pyrene	19.899	202	2031629	17.473	ng	98
32) Benzo(a)anthracene	21.641	228	828327	8.964	ng	94
33) Chrysene	21.695	228	767729	7.516	ng	97
34) Bis(2-ethylhexyl)phtha...	21.533	149	9199	0.300	ng	95
36) Indeno(1,2,3-cd)pyrene	26.911	276	453601	3.980	ng	# 93
37) Benzo(b)fluoranthene	23.428	252	798507	7.265	ng	97
38) Benzo(k)fluoranthene	23.469	252	252131m	2.233	ng	
39) Benzo(a)pyrene	24.101	252	797169m	7.954	ng	
40) Dibenzo(a,h)anthracene	26.925	278	126071m	1.424	ng	
41) Benzo(g,h,i)perylene	27.758	276	529764	5.055	ng	98

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

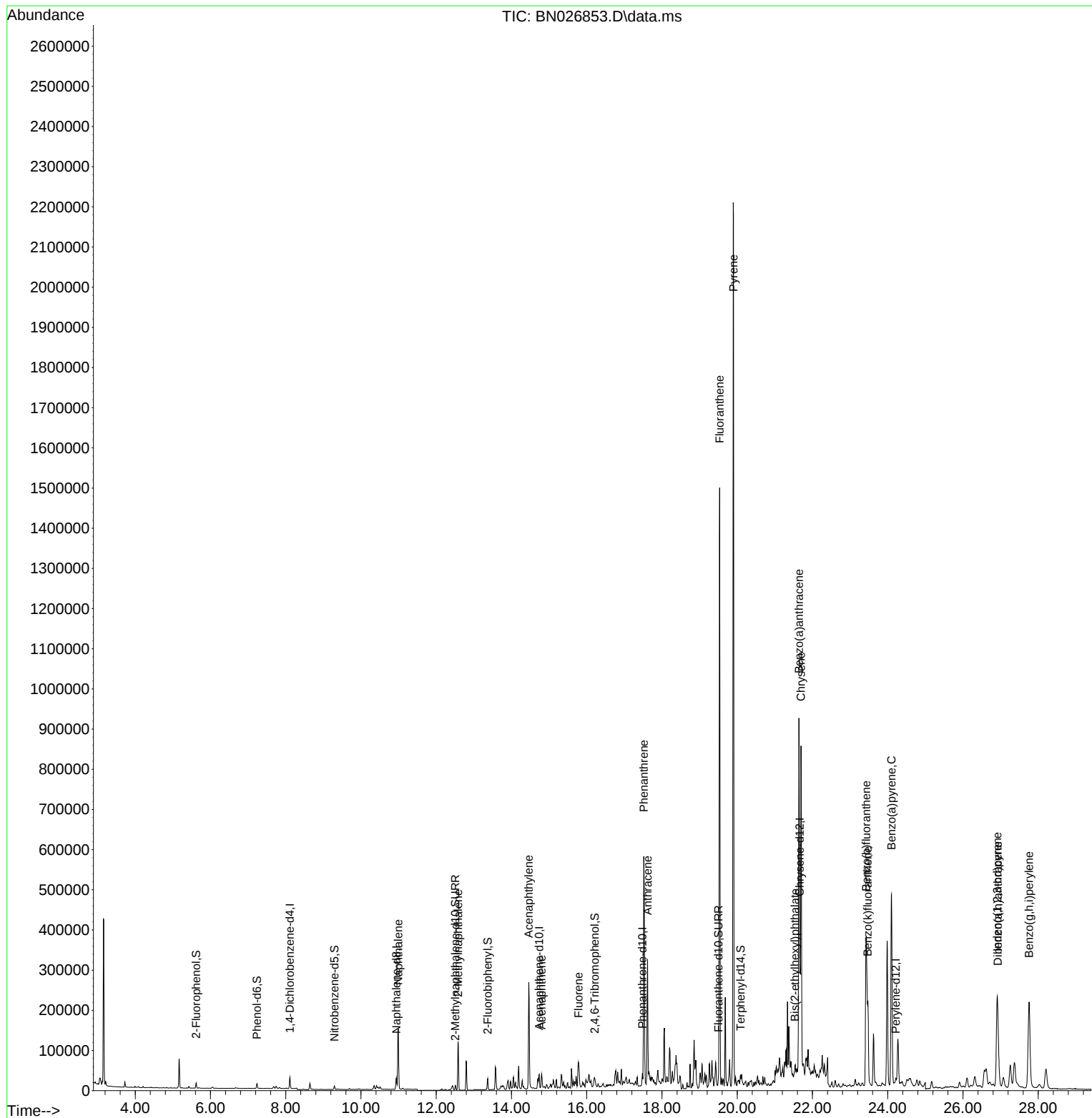
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080923\
Data File : BN026853.D
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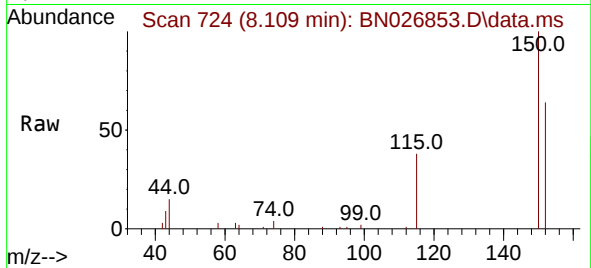
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.109 min Scan# 71
Delta R.T. -0.001 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

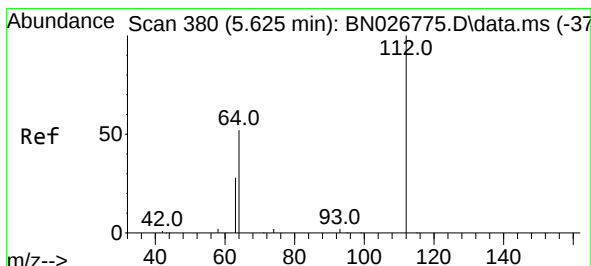
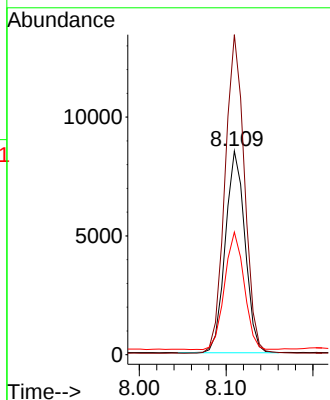
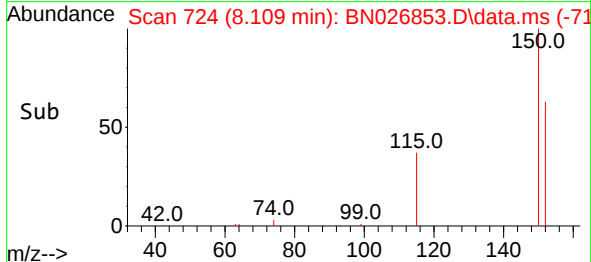
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-7-(0-5)



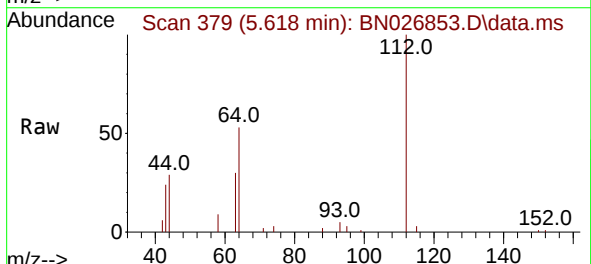
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Ion Ratio Lower Upper
152 100
150 157.1 123.8 185.8
115 60.1 48.0 72.0

Manual Integrations
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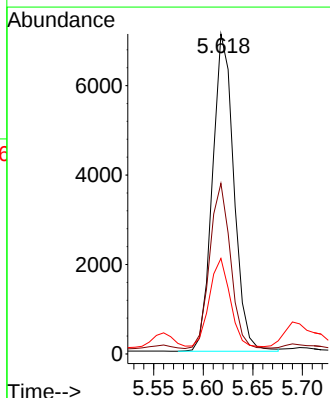
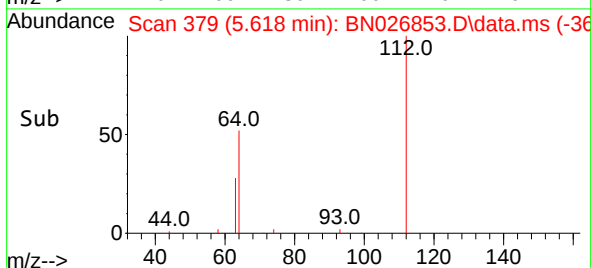
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

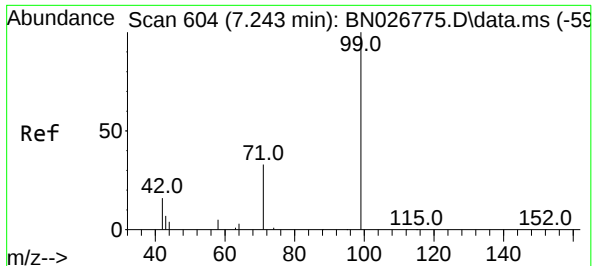


#4
2-Fluorophenol
Concen: 0.316 ng
RT: 5.618 min Scan# 379
Delta R.T. -0.000 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18



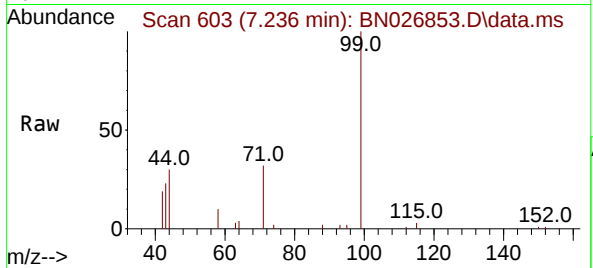
Tgt Ion:112 Resp: 10652
Ion Ratio Lower Upper
112 100
64 50.8 42.2 63.2
63 27.2 22.7 34.1





#5
Phenol-d6
Concen: 0.273 ng
RT: 7.236 min Scan# 604
Delta R.T. -0.000 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

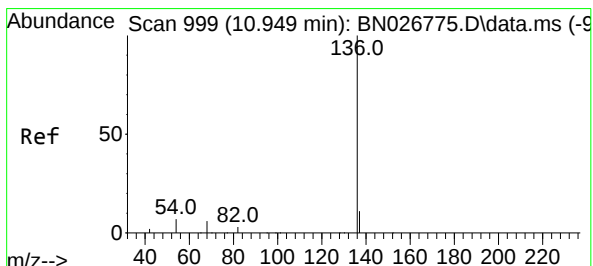
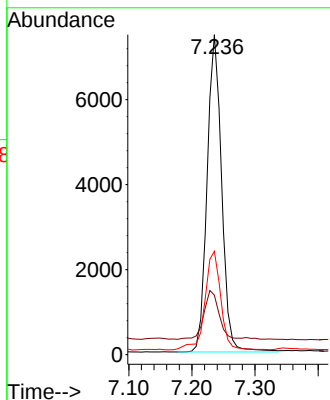
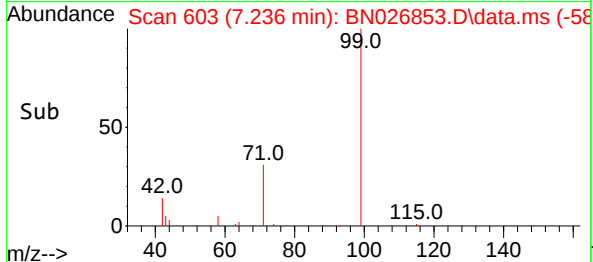
Instrument :
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Tgt Ion: 99 Resp: 11949
Ion Ratio Lower Upper
99 100
42 15.7 14.6 22.0
71 33.8 26.6 40.0

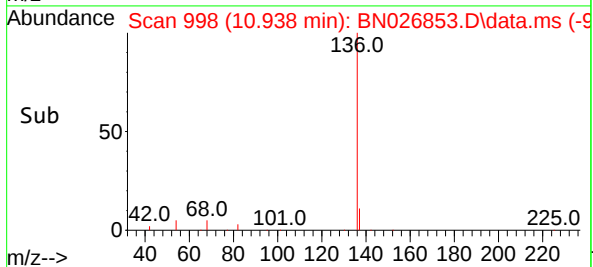
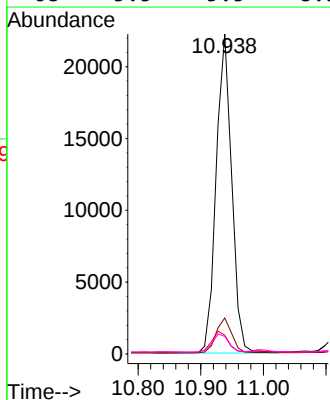
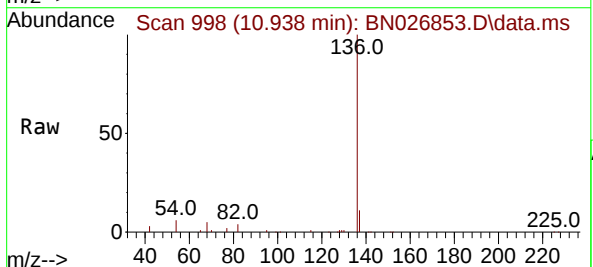
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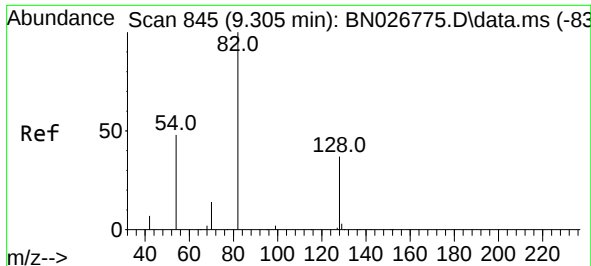
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.938 min Scan# 998
Delta R.T. -0.000 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

Tgt Ion:136 Resp: 38489
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 5.9 6.2 9.2#
68 5.5 5.5 8.3#





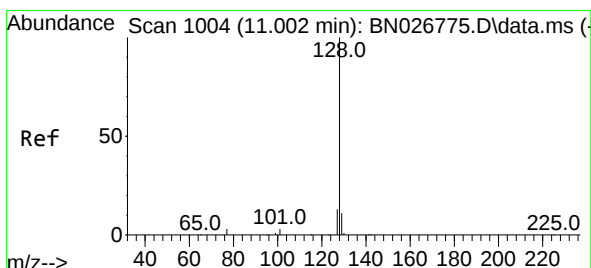
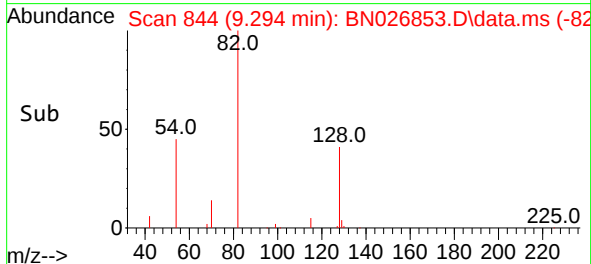
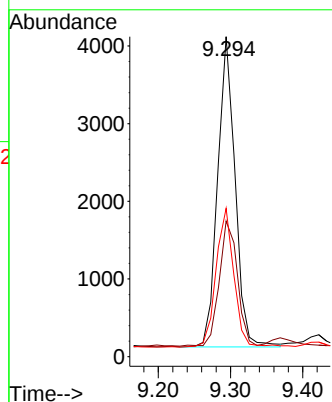
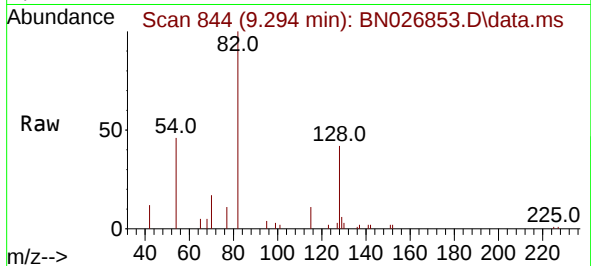
#8
Nitrobenzene-d5
Concen: 0.295 ng
RT: 9.294 min Scan# 845
Delta R.T. -0.000 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

Instrument :
BNA_N
ClientSampleId :
BUILDING-B-7-(0-5)

Tgt Ion: 82 Resp: 671
Ion Ratio Lower Upper
82 100
128 42.4 30.5 45.7
54 46.4 39.4 59.2

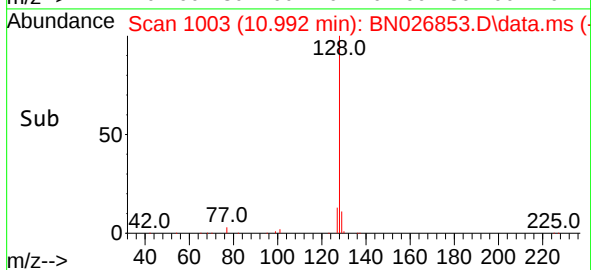
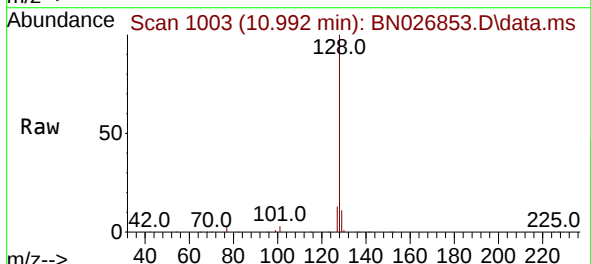
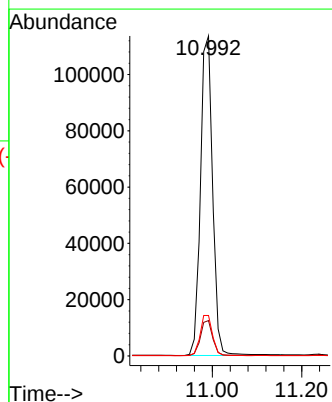
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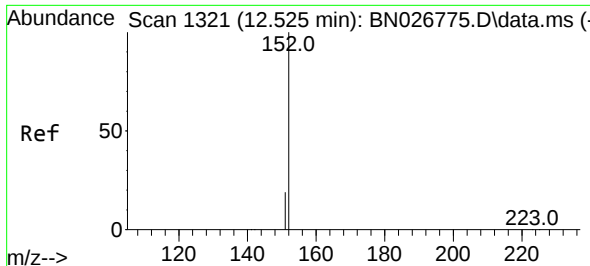
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#9
Naphthalene
Concen: 2.029 ng
RT: 10.992 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

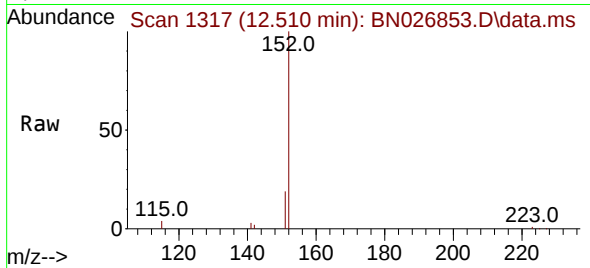
Tgt Ion:128 Resp: 214796
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 12.7 10.6 16.0





#11
2-Methylnaphthalene-d10
Concen: 0.293 ng
RT: 12.510 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

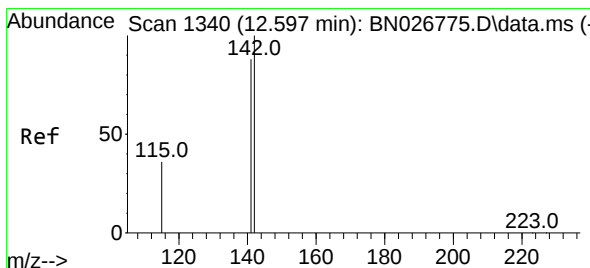
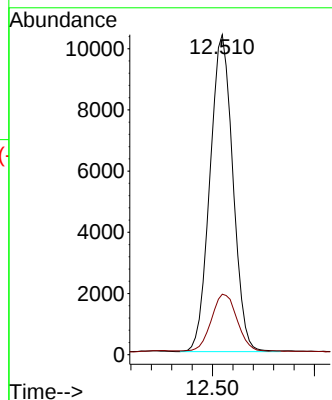
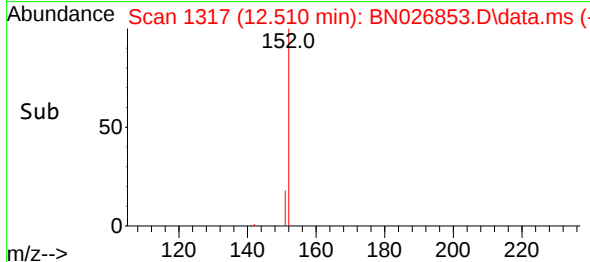
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-7-(0-5)



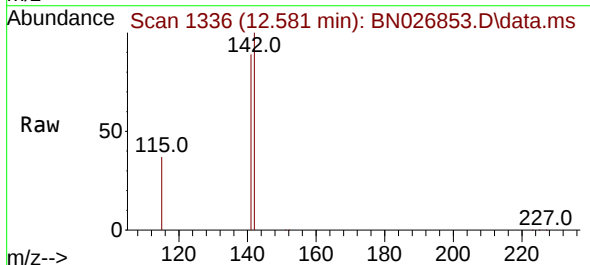
Tgt Ion:152 Resp: 1616
Ion Ratio Lower Upper
152 100
151 20.3 16.5 24.7

Manual Integrations
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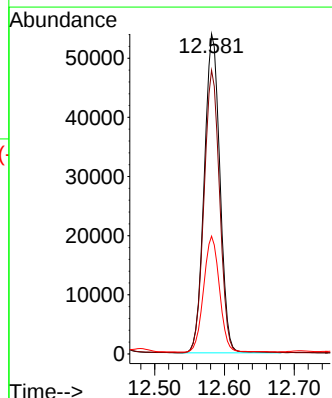
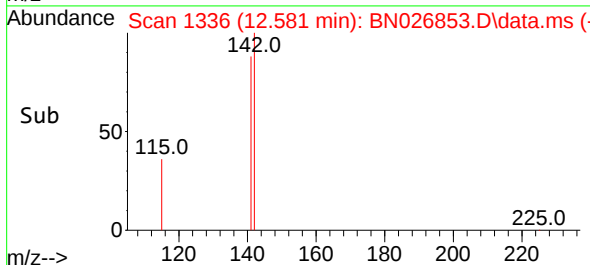
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

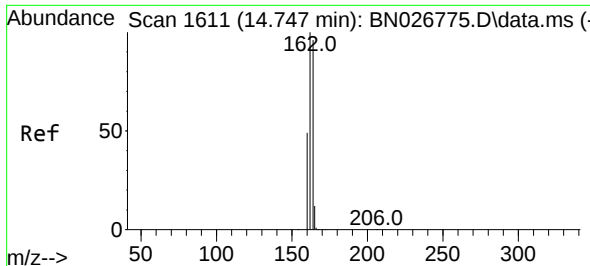


#12
2-Methylnaphthalene
Concen: 1.163 ng
RT: 12.581 min Scan# 1336
Delta R.T. -0.004 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18



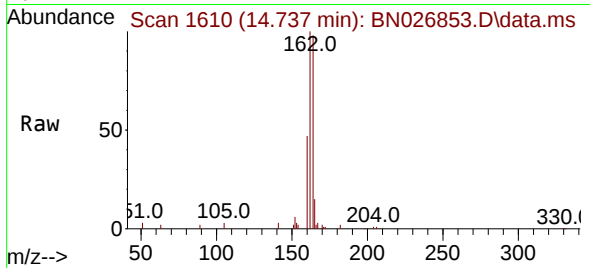
Tgt Ion:142 Resp: 84001
Ion Ratio Lower Upper
142 100
141 88.6 70.3 105.5
115 36.8 29.2 43.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.737 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

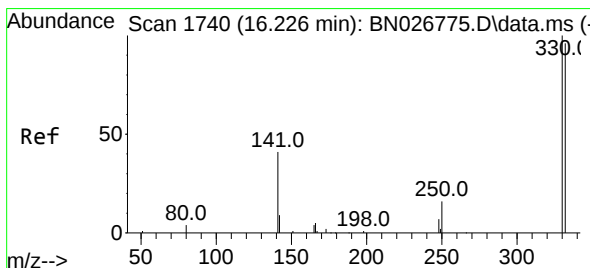
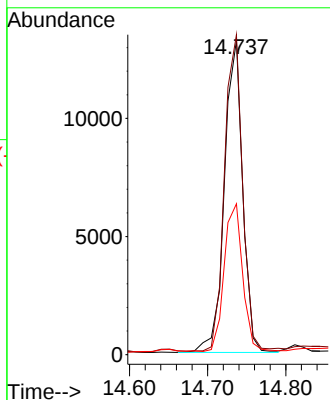
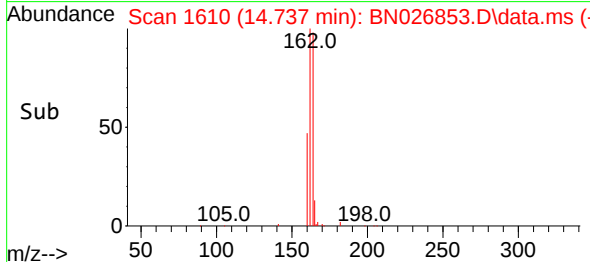
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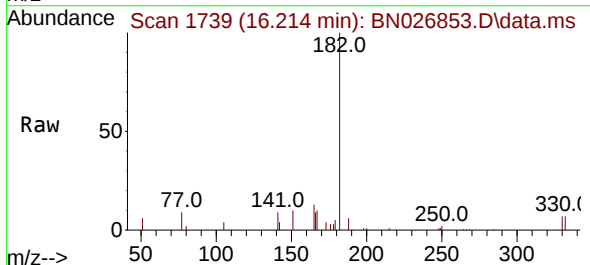
Tgt Ion:164 Resp: 2140
Ion Ratio Lower Upper
164 100
162 101.8 83.0 124.6
160 48.0 40.8 61.2

Manual Integrations
APPROVED

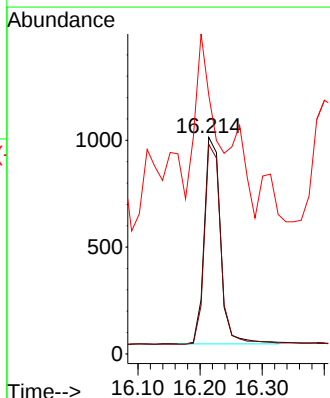
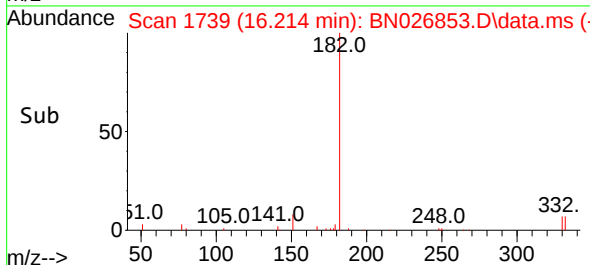
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

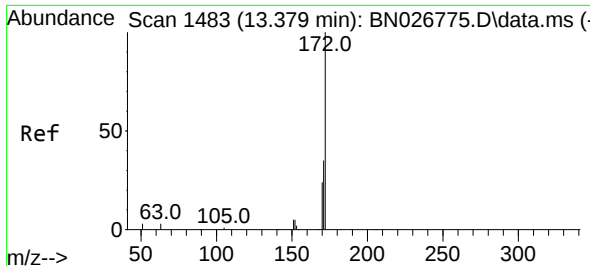


#14
2,4,6-Tribromophenol
Concen: 0.243 ng
RT: 16.214 min Scan# 1739
Delta R.T. -0.013 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18



Tgt Ion:330 Resp: 1770
Ion Ratio Lower Upper
330 100
332 96.6 77.8 116.6
141 88.9 34.8 52.2#





#15
2-Fluorobiphenyl
Concen: 0.275 ng
RT: 13.368 min Scan# 1482
Delta R.T. -0.000 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

Instrument :

BNA_N

ClientSampleId :

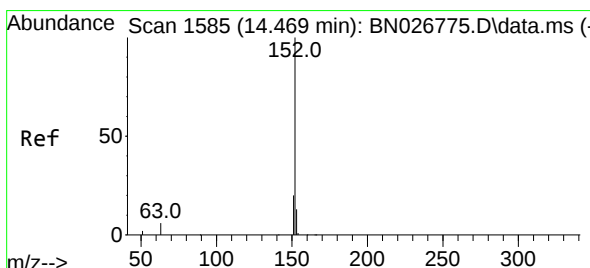
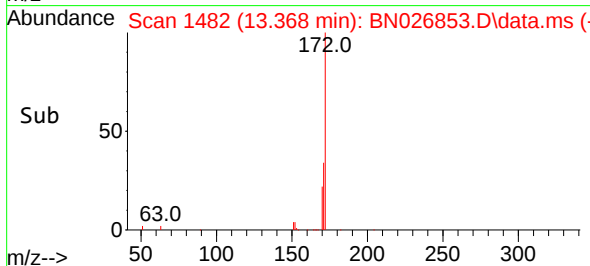
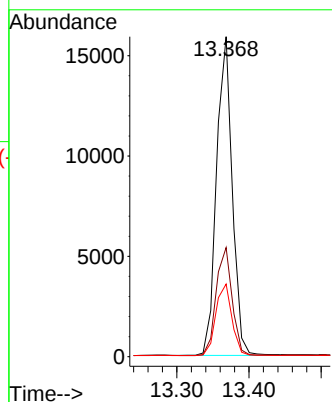
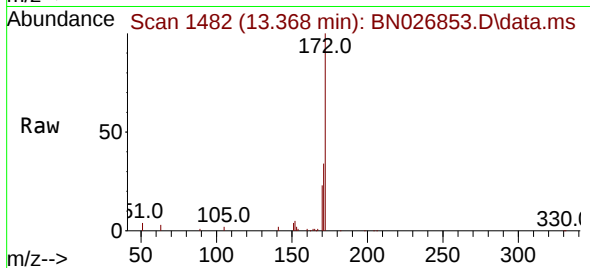
BUILDING-B-7-(0-5)

Tgt Ion:172 Resp: 24028
Ion Ratio Lower Upper
172 100
171 34.1 28.0 42.0
170 22.7 19.2 28.8

Manual Integrations

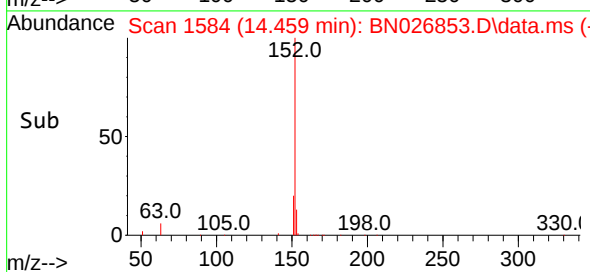
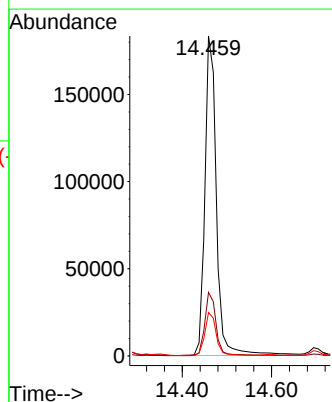
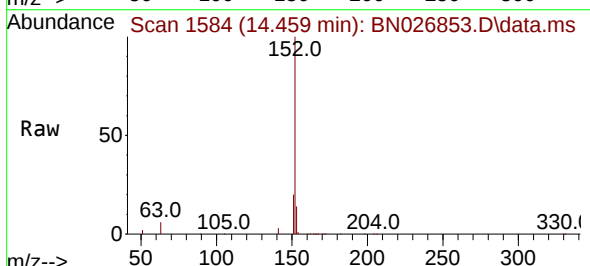
APPROVED

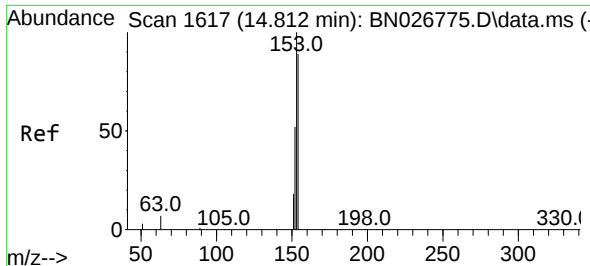
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#16
Acenaphthylene
Concen: 3.085 ng
RT: 14.459 min Scan# 1584
Delta R.T. -0.011 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

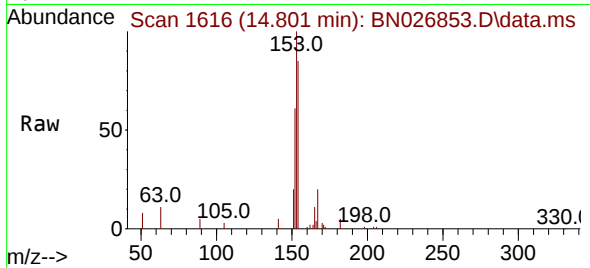
Tgt Ion:152 Resp: 326430
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.4 10.5 15.7





#17
Acenaphthene
Concen: 0.256 ng
RT: 14.801 min Scan# 1617
Delta R.T. -0.000 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

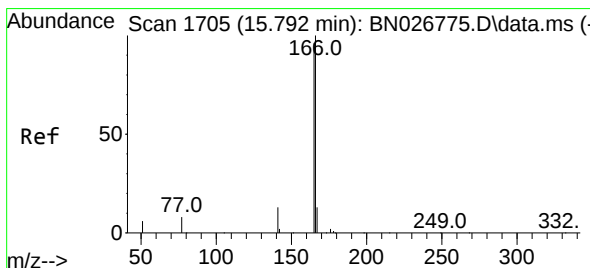
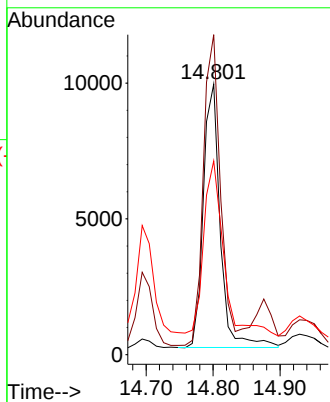
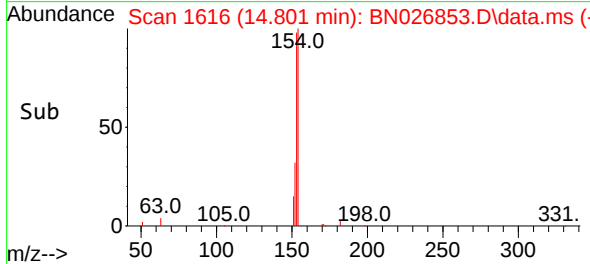
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-7-(0-5)



Tgt Ion:154 Resp: 16970
Ion Ratio Lower Upper
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153 120.5 90.0 135.0
152 78.5 48.6 73.0

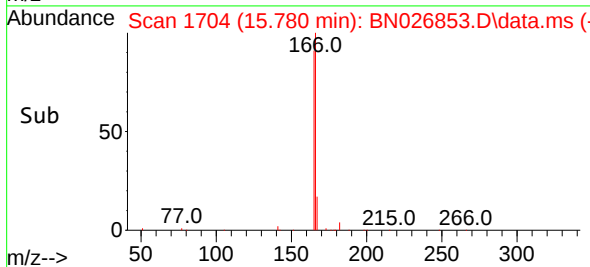
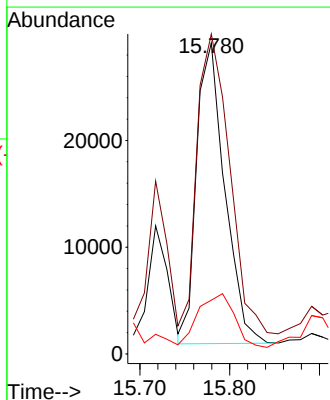
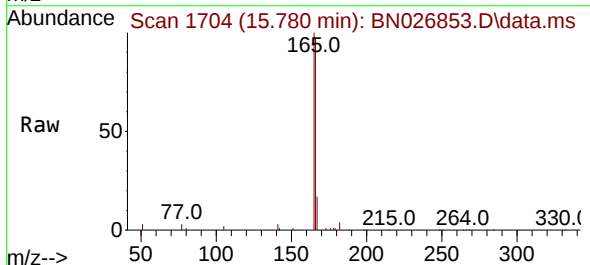
Manual Integrations
APPROVED

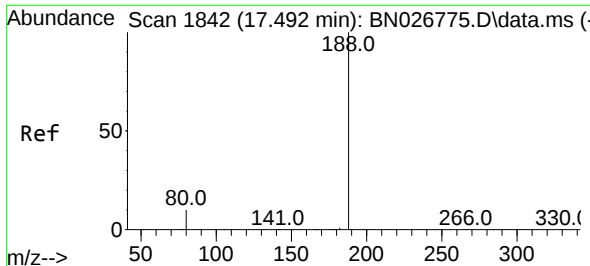
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#18
Fluorene
Concen: 0.710 ng
RT: 15.780 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

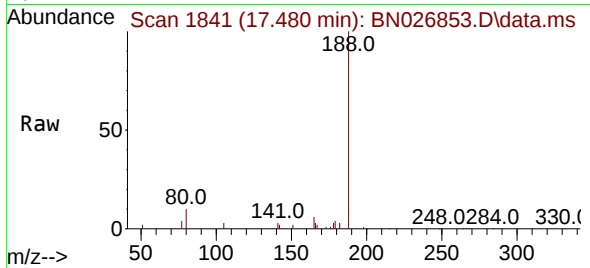
Tgt Ion:166 Resp: 61332
Ion Ratio Lower Upper
166 100
165 114.3 79.0 118.6
167 22.8 10.9 16.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.480 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

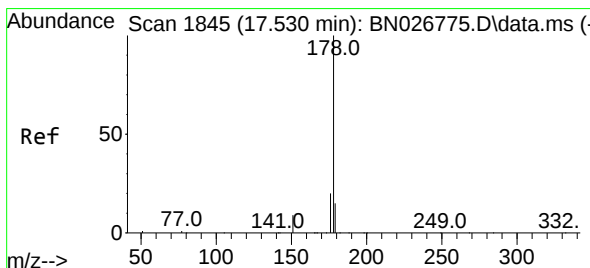
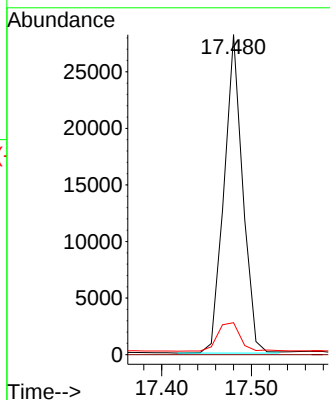
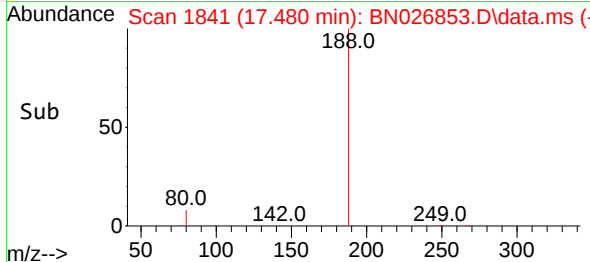
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-7-(0-5)



Tgt Ion:188 Resp: 40674
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.0 8.0 12.0

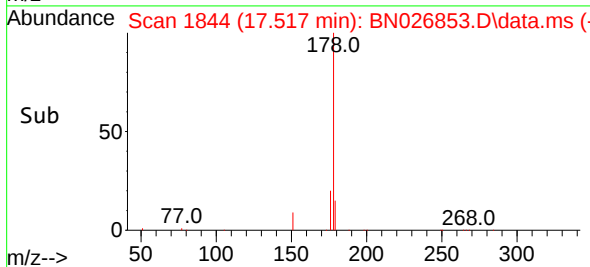
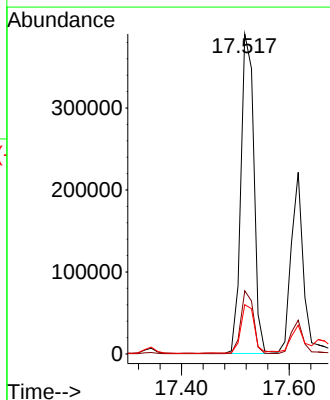
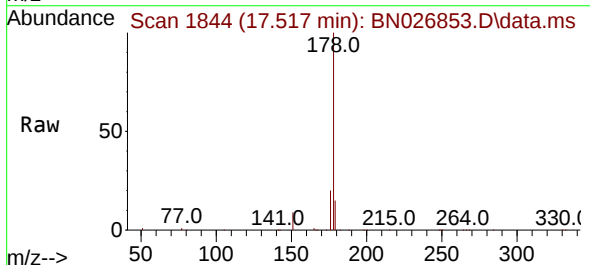
Manual Integrations
APPROVED

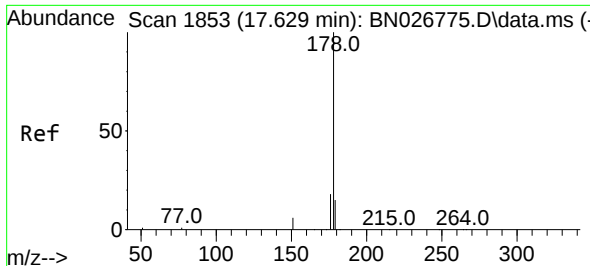
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#25
Phenanthrene
Concen: 5.290 ng
RT: 17.517 min Scan# 1844
Delta R.T. -0.012 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

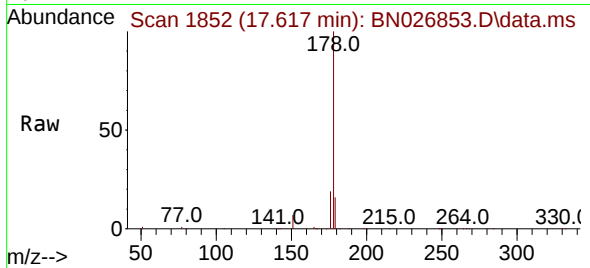
Tgt Ion:178 Resp: 653523
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.9 12.2 18.2





#26
 Anthracene
 Concen: 3.144 ng
 RT: 17.617 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN026853.D
 Acq: 08 Aug 2023 19:18

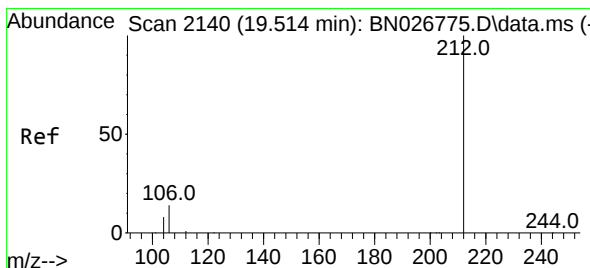
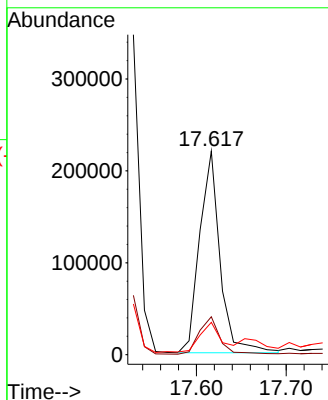
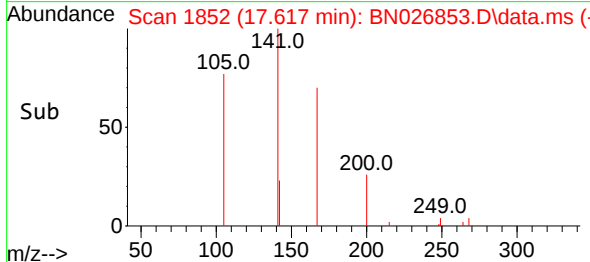
Instrument :
 BNA_N
 ClientSampleId :
 BUILDING-B-7-(0-5)



Tgt Ion:178 Resp: 34697
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.9 22.3
 179 14.9 12.2 18.2

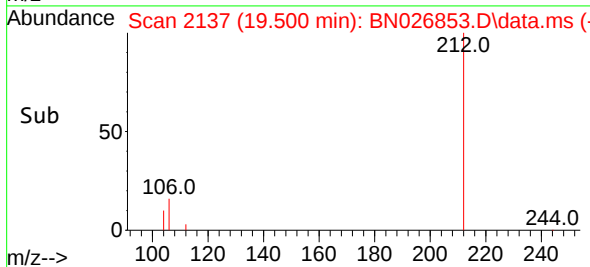
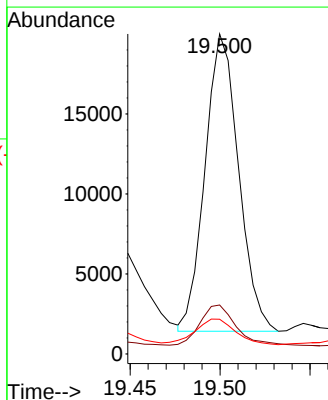
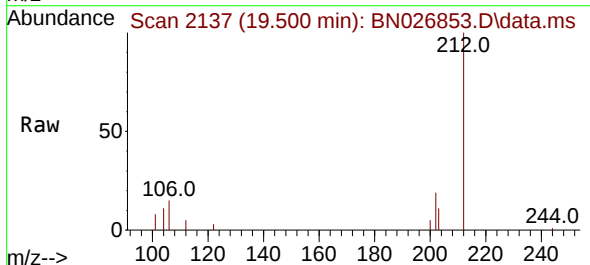
Manual Integrations
 APPROVED

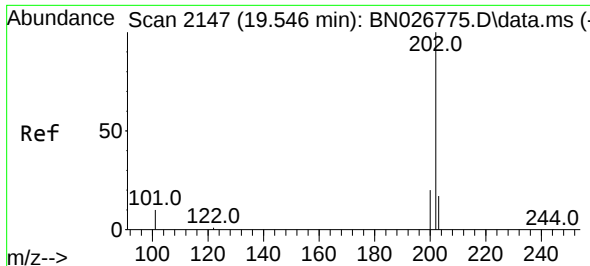
Reviewed By :Yogesh Patel 08/09/2023
 Supervised By :mohammad ahmed 08/09/2023



#27
 Fluoranthene-d10
 Concen: 0.247 ng
 RT: 19.500 min Scan# 2137
 Delta R.T. -0.005 min
 Lab File: BN026853.D
 Acq: 08 Aug 2023 19:18

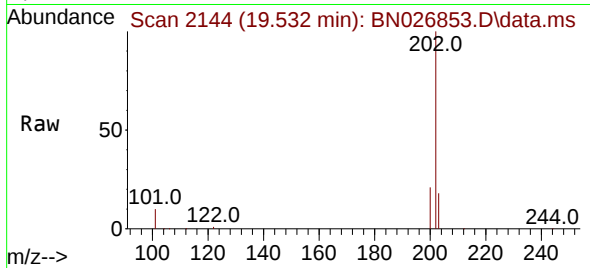
Tgt Ion:212 Resp: 24103
 Ion Ratio Lower Upper
 212 100
 106 15.1 11.7 17.5
 104 10.4 6.4 9.6





#28
Fluoranthene
Concen: 9.726 ng
RT: 19.532 min Scan# 2144
Delta R.T. -0.000 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

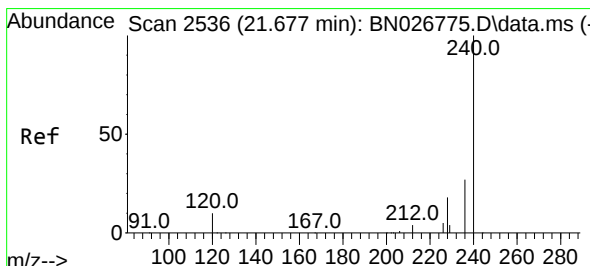
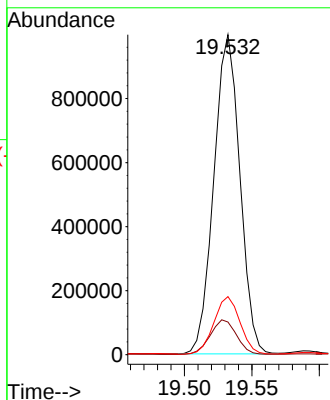
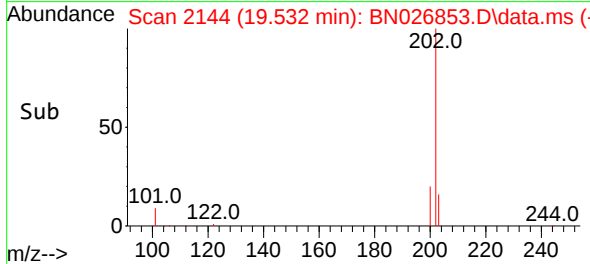
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-7-(0-5)



Tgt Ion:202 Resp: 133776
Ion Ratio Lower Upper
202 100
101 10.9 9.2 13.8
203 17.9 13.7 20.5

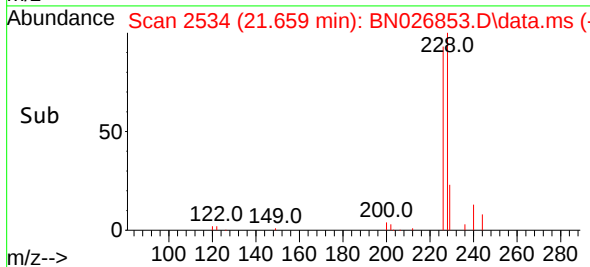
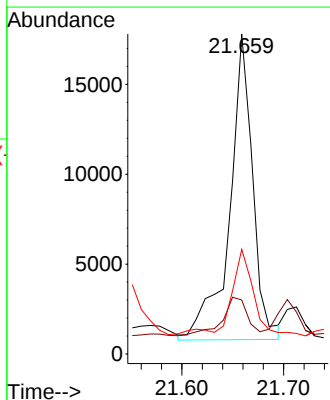
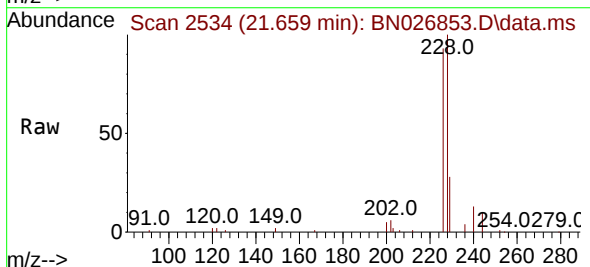
Manual Integrations
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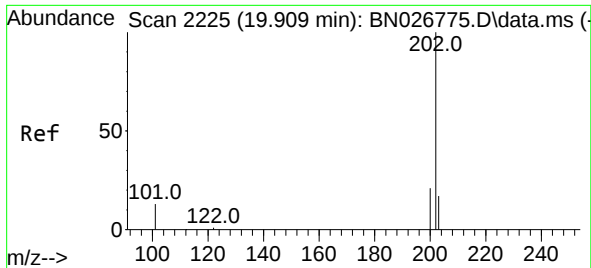
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.659 min Scan# 2534
Delta R.T. -0.009 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

Tgt Ion:240 Resp: 26908
Ion Ratio Lower Upper
240 100
120 16.9 9.2 13.8#
236 32.7 21.9 32.9





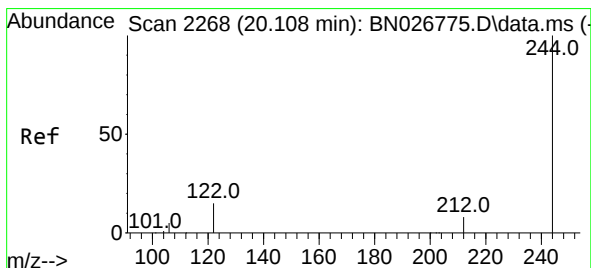
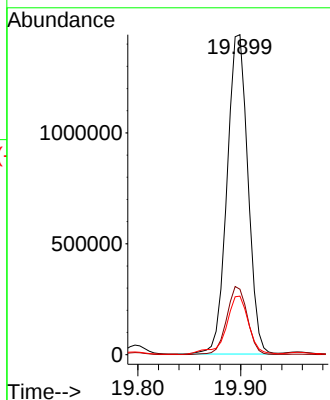
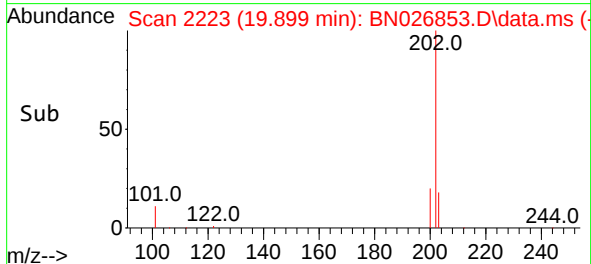
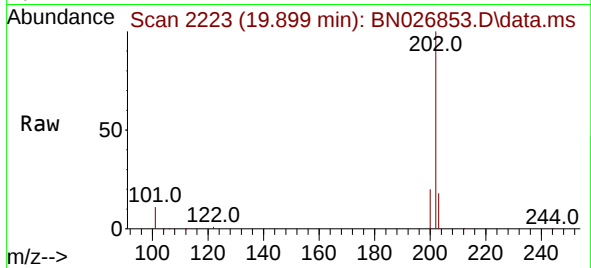
#30
Pyrene
Concen: 17.473 ng
RT: 19.899 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

Instrument :
BNA_N
ClientSampleId :
BUILDING-B-7-(0-5)

Tgt Ion:202 Resp: 2031629
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 19.6 14.2 21.2

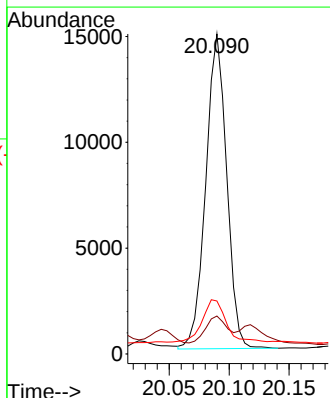
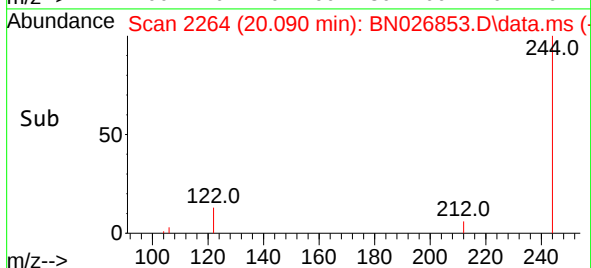
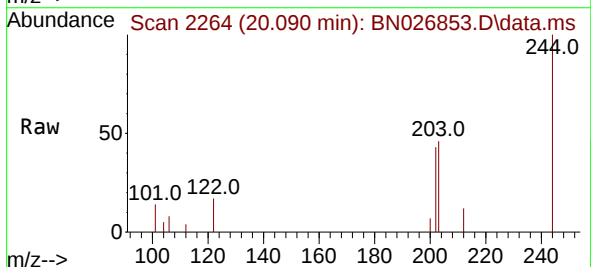
Manual Integrations
APPROVED

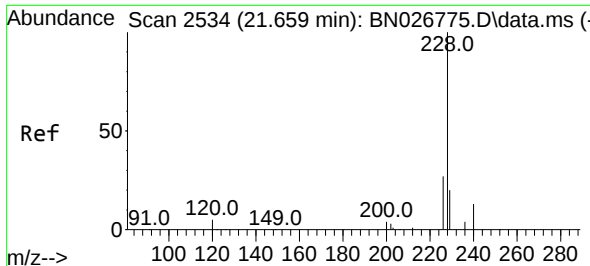
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#31
Terphenyl-d14
Concen: 0.321 ng
RT: 20.090 min Scan# 2264
Delta R.T. -0.005 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

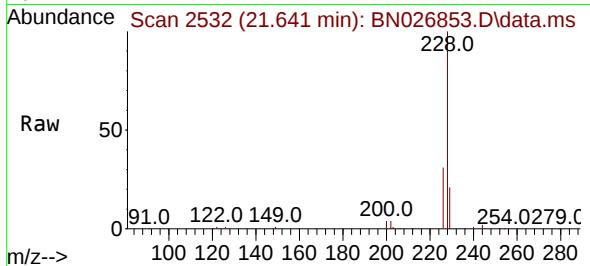
Tgt Ion:244 Resp: 18014
Ion Ratio Lower Upper
244 100
212 11.8 7.0 10.4#
122 16.5 12.3 18.5





#32
Benzo(a)anthracene
Concen: 8.964 ng
RT: 21.641 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

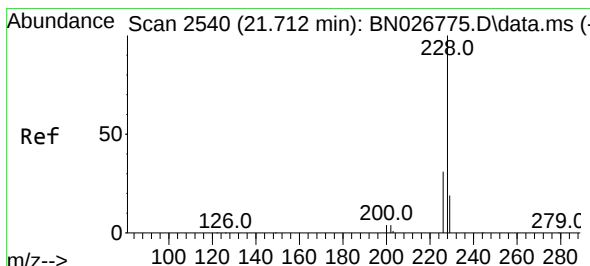
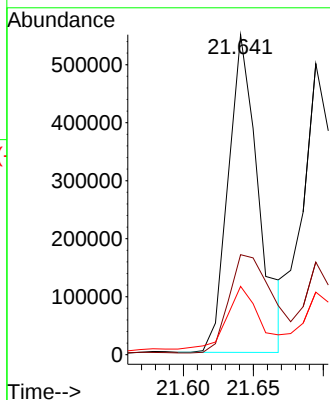
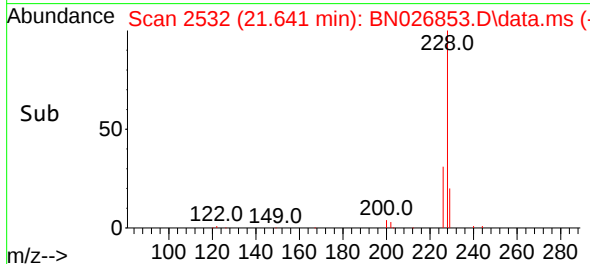
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-7-(0-5)



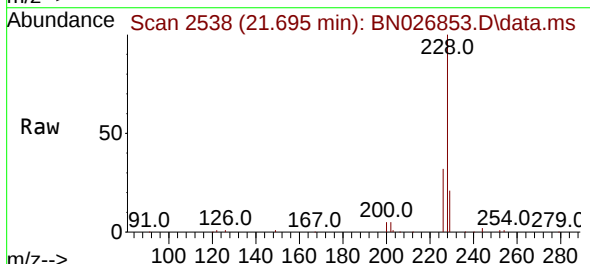
Tgt Ion:228 Resp: 82832
Ion Ratio Lower Upper
228 100
226 31.2 21.9 32.9
229 21.4 15.8 23.8

Manual Integrations
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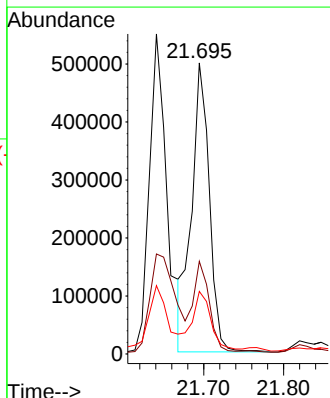
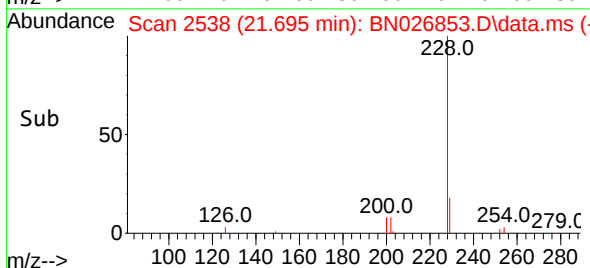
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

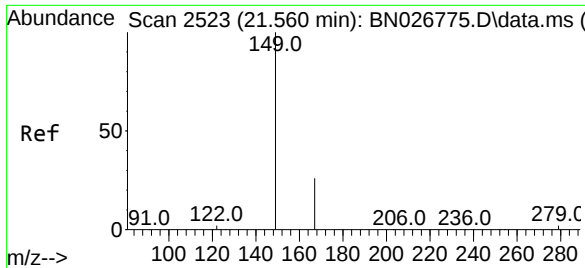


#33
Chrysene
Concen: 7.516 ng
RT: 21.695 min Scan# 2538
Delta R.T. -0.009 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18



Tgt Ion:228 Resp: 767729
Ion Ratio Lower Upper
228 100
226 31.8 24.6 36.8
229 21.5 15.4 23.2





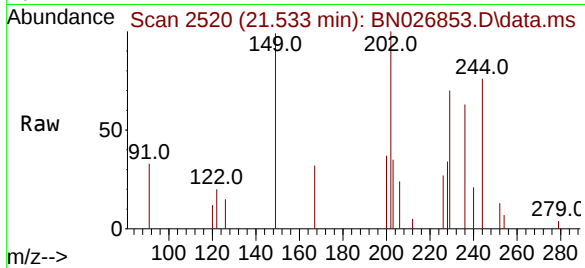
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.300 ng
RT: 21.533 min Scan# 2153
Delta R.T. -0.009 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

Instrument :

BNA_N

ClientSampleId :

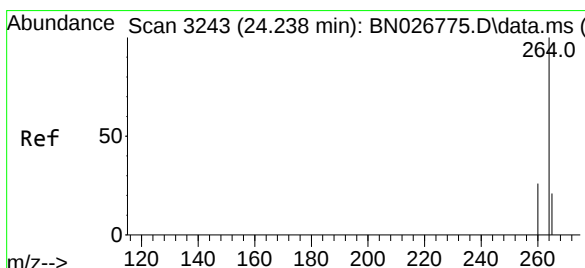
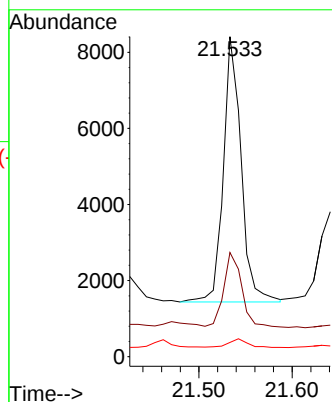
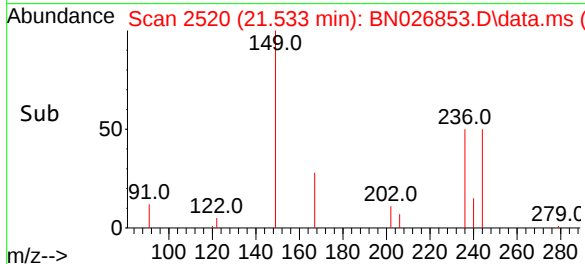
BUILDING-B-7-(0-5)



Tgt Ion:149 Resp: 919
Ion Ratio Lower Upper
149 100
167 28.6 20.8 31.2
279 3.6 2.4 3.6

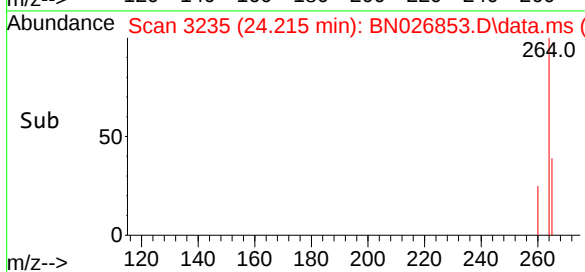
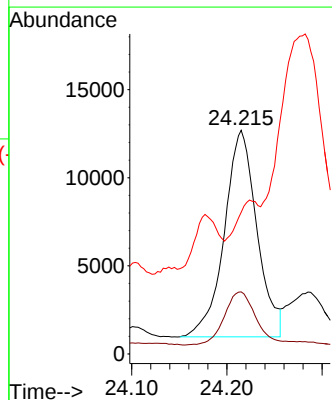
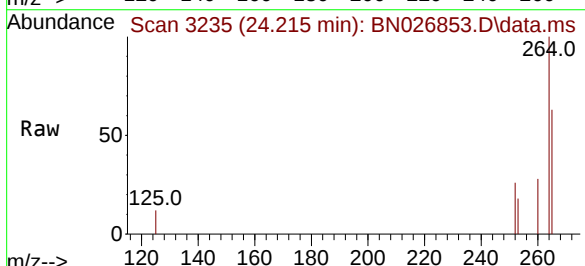
Manual Integrations
APPROVED

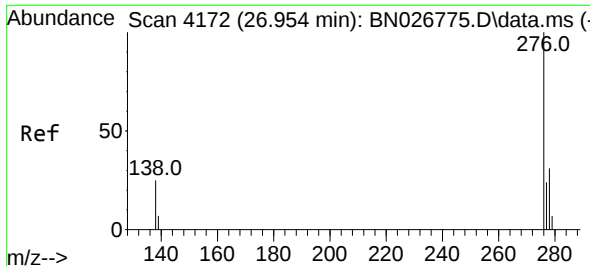
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.215 min Scan# 3235
Delta R.T. -0.012 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

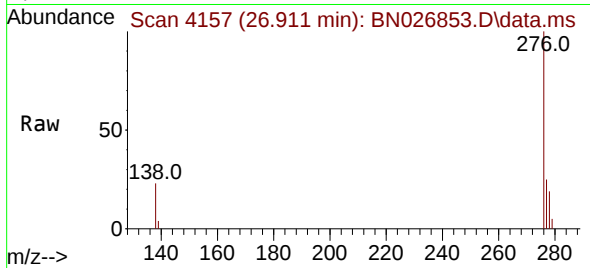
Tgt Ion:264 Resp: 27933
Ion Ratio Lower Upper
264 100
260 27.8 21.0 31.6
265 63.3 22.6 33.8#





#36
Indeno(1,2,3-cd)pyrene
Concen: 3.980 ng
RT: 26.911 min Scan# 4172
Delta R.T. -0.021 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

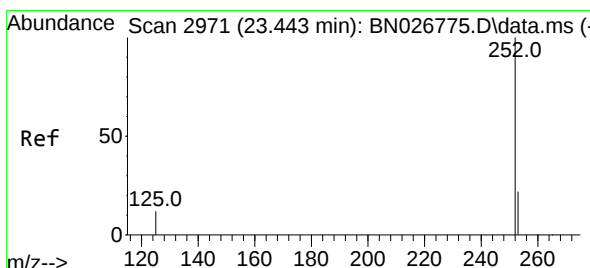
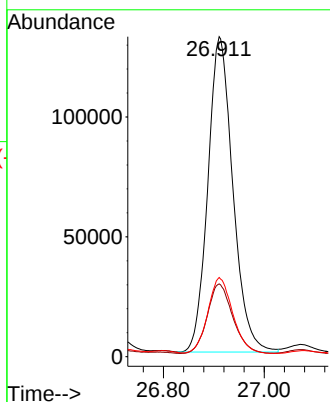
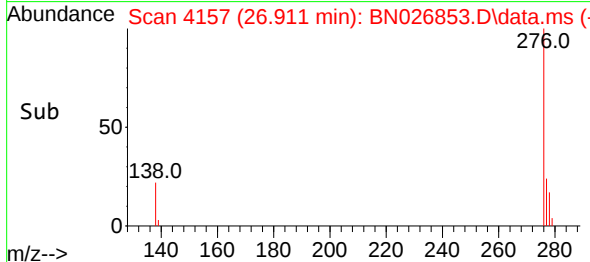
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-7-(0-5)



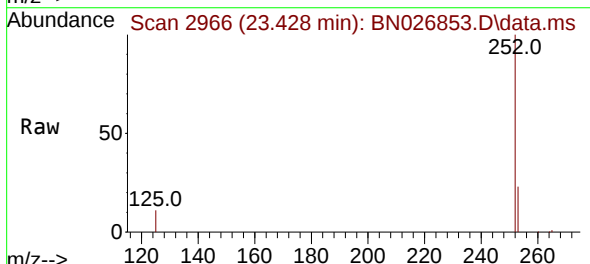
Tgt Ion:276 Resp: 45360
Ion Ratio Lower Upper
276 100
138 22.6 22.8 34.2
277 24.0 19.9 29.9

Manual Integrations
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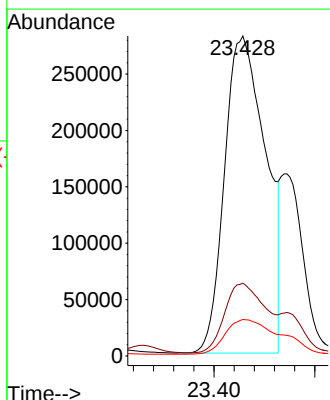
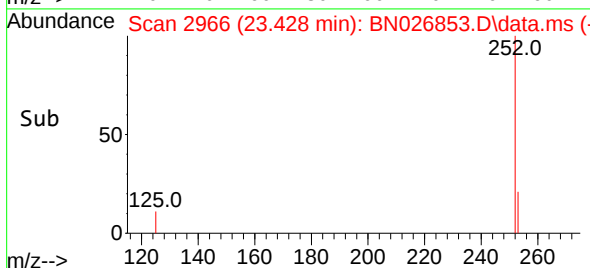
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

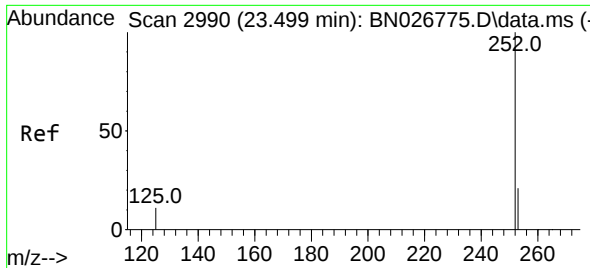


#37
Benzo(b)fluoranthene
Concen: 7.265 ng
RT: 23.428 min Scan# 2966
Delta R.T. -0.003 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18



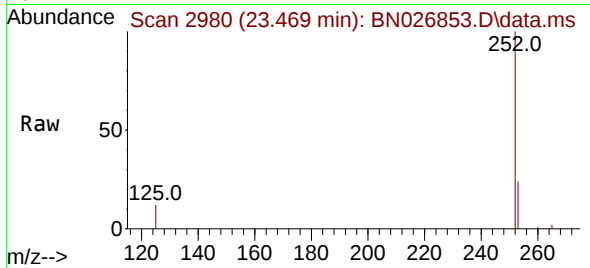
Tgt Ion:252 Resp: 798507
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 11.4 10.8 16.2





#38
Benzo(k)fluoranthene
Concen: 2.233 ng m
RT: 23.469 min Scan# 2990
Delta R.T. -0.015 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

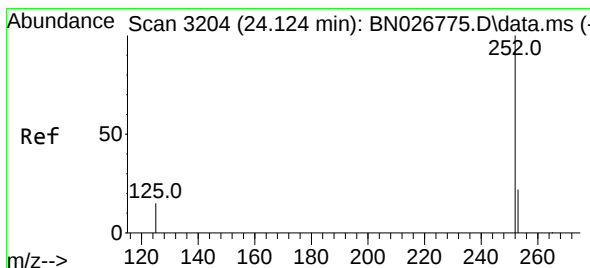
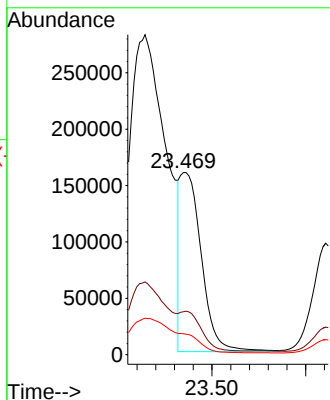
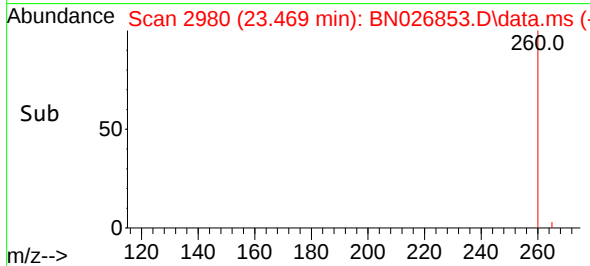
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-7-(0-5)



Tgt Ion:252 Resp: 25213
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 11.5 9.4 14.2

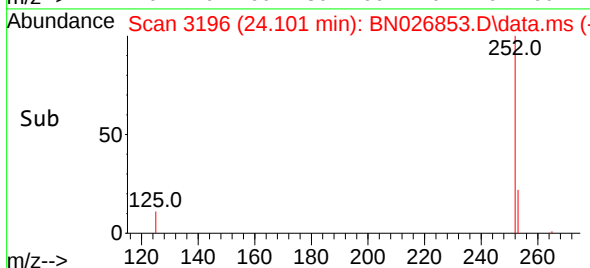
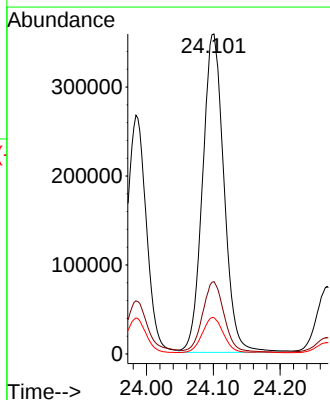
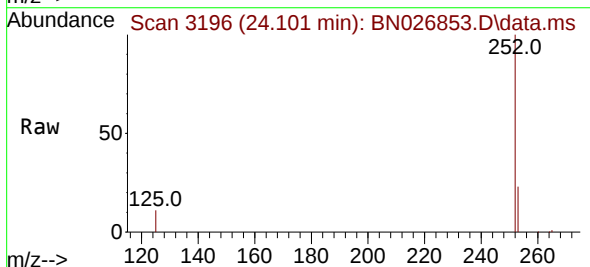
Manual Integrations
APPROVED

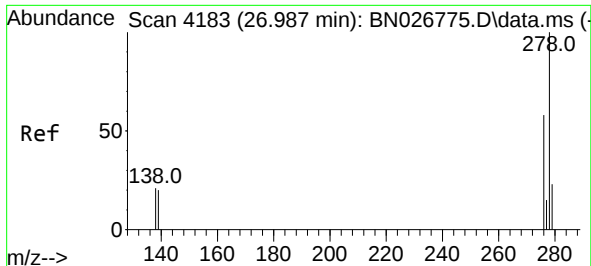
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#39
Benzo(a)pyrene
Concen: 7.954 ng m
RT: 24.101 min Scan# 3196
Delta R.T. -0.009 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

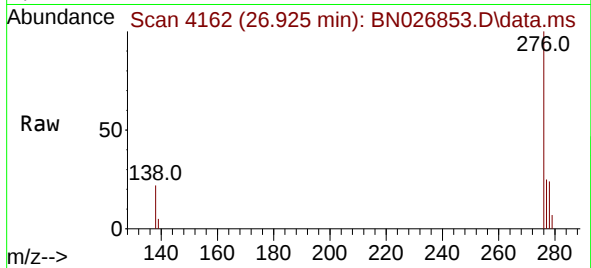
Tgt Ion:252 Resp: 797169
Ion Ratio Lower Upper
252 100
253 22.6 18.5 27.7
125 11.3 12.7 19.1#





#40
Dibenzo(a,h)anthracene
Concen: 1.424 ng m
RT: 26.925 min Scan# 41
Delta R.T. -0.041 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

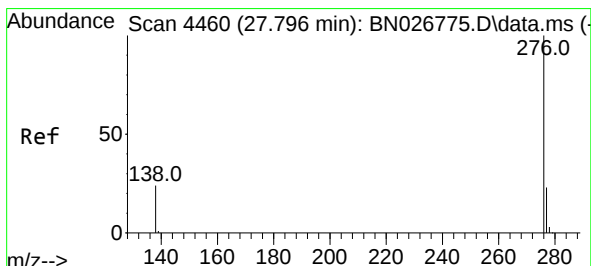
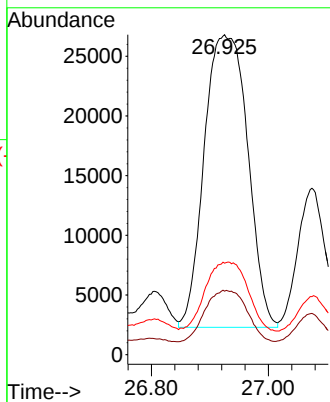
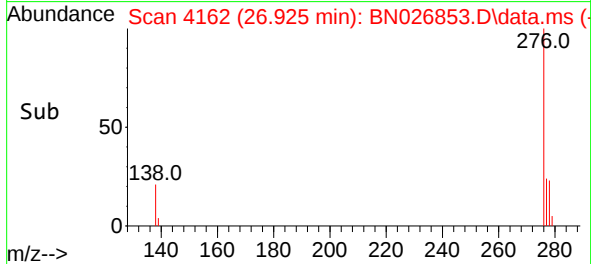
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-7-(0-5)



Tgt Ion:278 Resp: 12607
Ion Ratio Lower Upper
278 100
139 19.8 16.8 25.2
279 28.6 19.5 29.3

Manual Integrations
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Supervised By :mohammad ahmed 08/09/2023



#41
Benzo(g,h,i)perylene
Concen: 5.055 ng
RT: 27.758 min Scan# 4447
Delta R.T. -0.012 min
Lab File: BN026853.D
Acq: 08 Aug 2023 19:18

Tgt Ion:276 Resp: 529764
Ion Ratio Lower Upper
276 100
277 23.9 19.1 28.7
138 23.0 19.8 29.6

