

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080723\
 Data File : BN026831.D
 Acq On : 07 Aug 2023 15:15
 Operator : MA/JU
 Sample : 03840-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BUILDING-B-19-(0-5)

Quant Time: Aug 08 00:50:15 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 02 00:35:47 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.109	152	9974	0.400	ng	-0.01
7) Naphthalene-d8	10.938	136	30064	0.400	ng	-0.01
13) Acenaphthene-d10	14.737	164	16772	0.400	ng	-0.01
19) Phenanthrene-d10	17.480	188	33126	0.400	ng	-0.01
29) Chrysene-d12	21.668	240	25012	0.400	ng	0.00
35) Perylene-d12	24.224	264	26868	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.618	112	5774	0.229	ng	0.00
5) Phenol-d6	7.235	99	6844	0.209	ng	0.00
8) Nitrobenzene-d5	9.294	82	3913	0.220	ng	-0.01
11) 2-Methylnaphthalene-d10	12.513	152	8426	0.195	ng	-0.01
14) 2,4,6-Tribromophenol	16.226	330	1273	0.223	ng	0.00
15) 2-Fluorobiphenyl	13.368	172	12568	0.184	ng	-0.01
27) Fluoranthene-d10	19.504	212	13477	0.169	ng	0.00
31) Terphenyl-d14	20.094	244	10446	0.200	ng	-0.01
Target Compounds						Qvalue
9) Naphthalene	10.991	128	91797	1.110	ng	99
12) 2-Methylnaphthalene	12.585	142	28408	0.503	ng	97
16) Acenaphthylene	14.469	152	181692	2.191	ng	100
17) Acenaphthene	14.801	154	16537	0.318	ng	99
18) Fluorene	15.779	166	34827	0.514	ng	# 91
25) Phenanthrene	17.530	178	439323	4.367	ng	100
26) Anthracene	17.616	178	162769	1.811	ng	99
28) Fluoranthene	19.532	202	1009821	9.014	ng	98
30) Pyrene	19.899	202	1175985	10.881	ng	98
32) Benzo(a)anthracene	21.650	228	647254m	7.536	ng	
33) Chrysene	21.703	228	610572	6.430	ng	98
34) Bis(2-ethylhexyl)phtha...	21.542	149	8145	0.286	ng	# 93
36) Indeno(1,2,3-cd)pyrene	26.922	276	417688	3.810	ng	# 93
37) Benzo(b)fluoranthene	23.434	252	785255	7.428	ng	97
38) Benzo(k)fluoranthene	23.481	252	270823m	2.493	ng	
39) Benzo(a)pyrene	24.110	252	667165m	6.921	ng	
40) Dibenzo(a,h)anthracene	26.943	278	110973m	1.303	ng	
41) Benzo(g,h,i)perylene	27.764	276	437478	4.340	ng	98

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

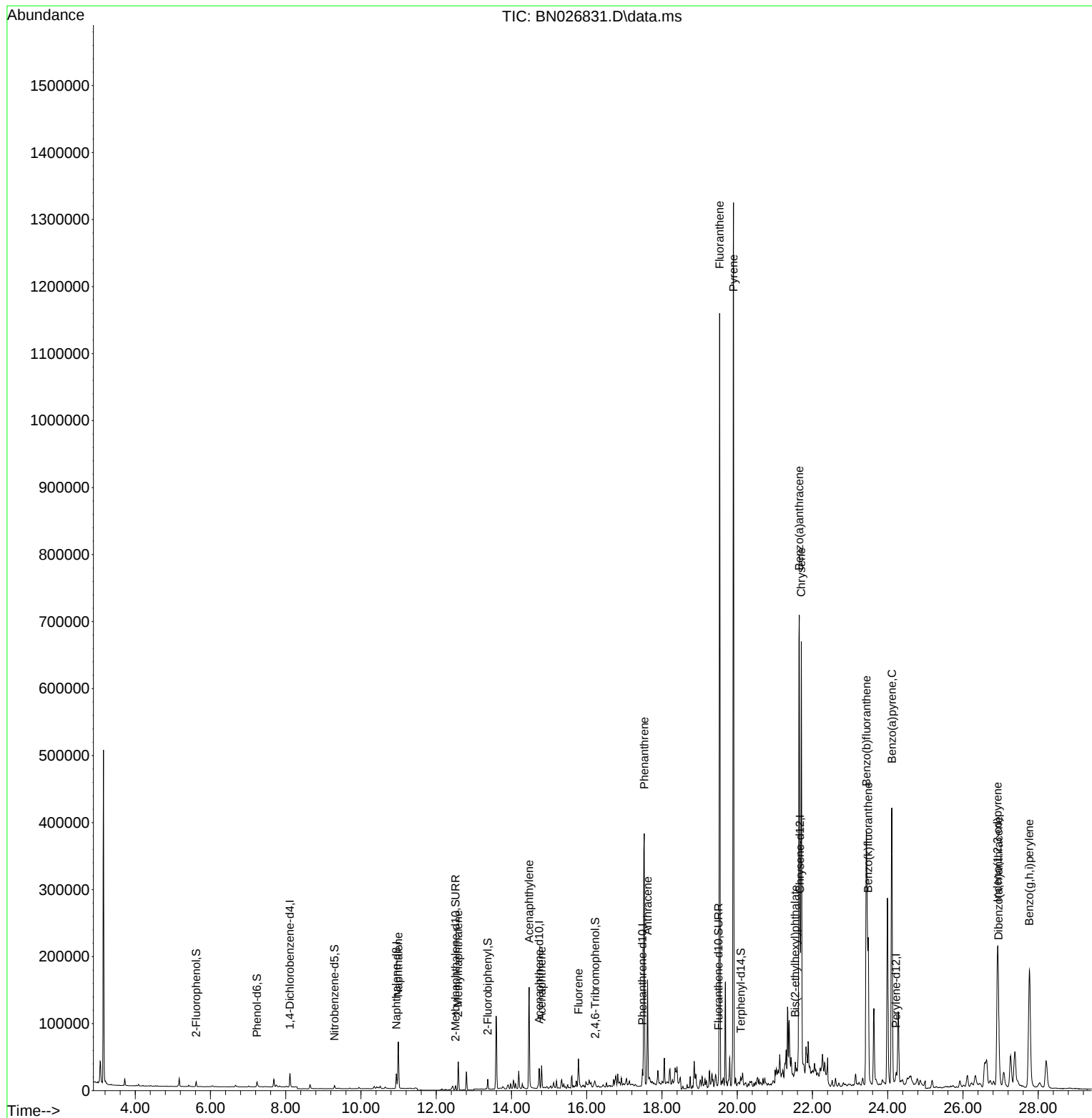
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080723\
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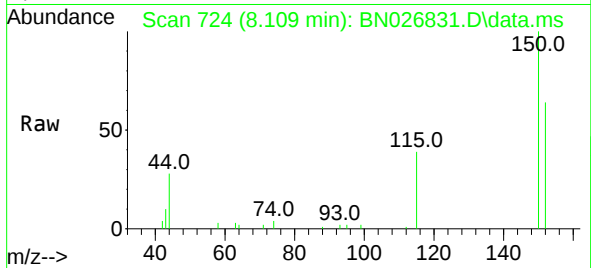
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.109 min Scan# 71
Delta R.T. -0.015 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15

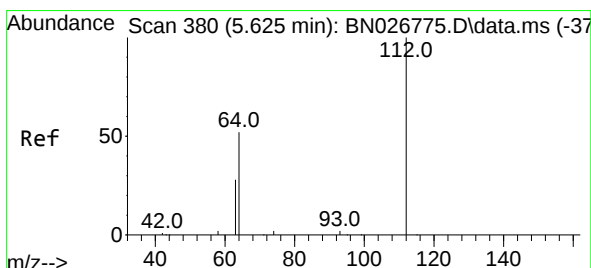
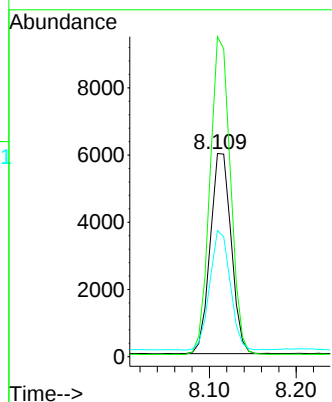
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-19-(0-5)



Tgt Ion:152 Resp: 9974
Ion Ratio Lower Upper
152 100
150 157.5 123.8 185.8
115 62.1 48.0 72.0

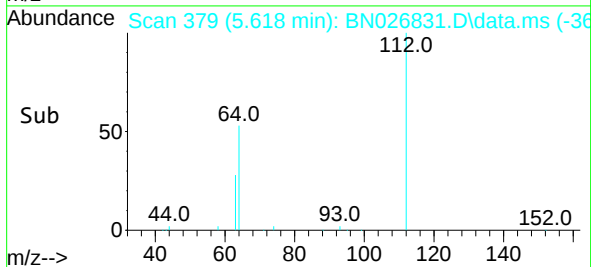
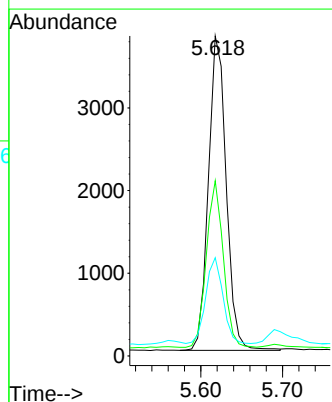
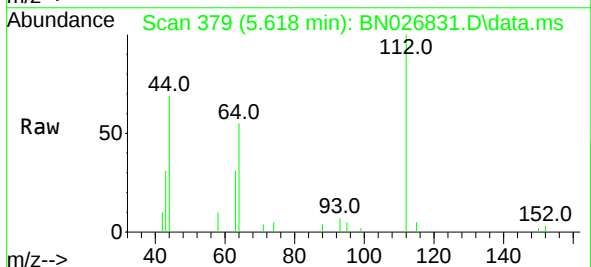
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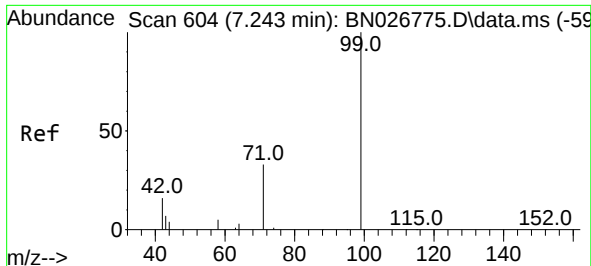
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#4
2-Fluorophenol
Concen: 0.229 ng
RT: 5.618 min Scan# 379
Delta R.T. -0.007 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15

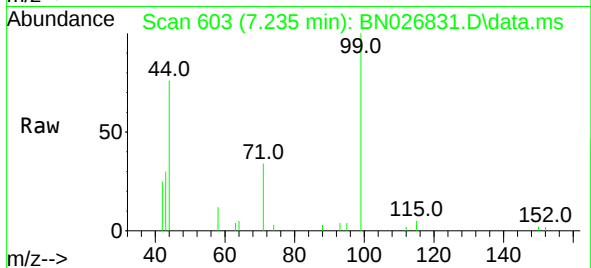
Tgt Ion:112 Resp: 5774
Ion Ratio Lower Upper
112 100
64 50.3 42.2 63.2
63 26.4 22.7 34.1





#5
Phenol-d6
Concen: 0.209 ng
RT: 7.235 min Scan# 604
Delta R.T. -0.007 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15

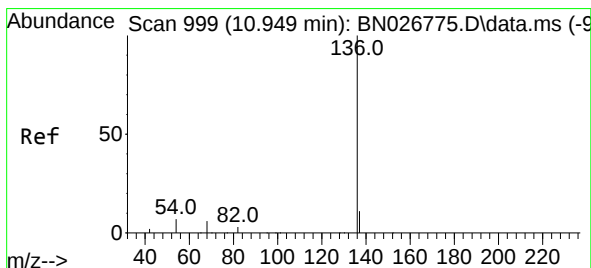
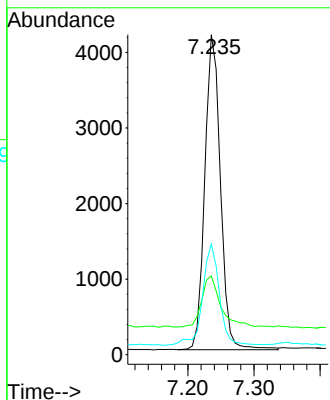
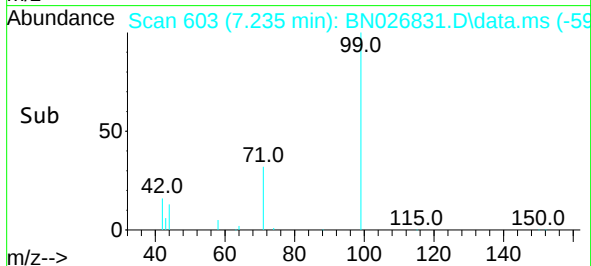
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-19-(0-5)



Tgt Ion: 99 Resp: 6844
Ion Ratio Lower Upper
99 100
42 19.4 14.6 22.0
71 34.7 26.6 40.0

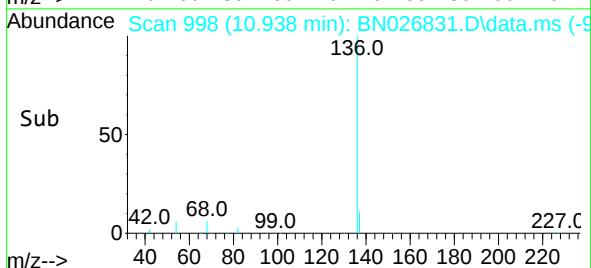
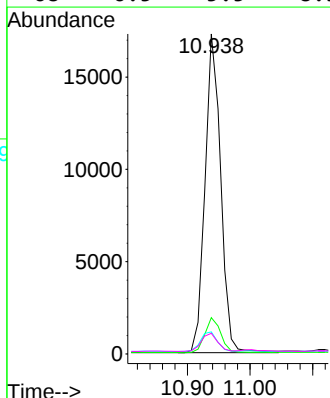
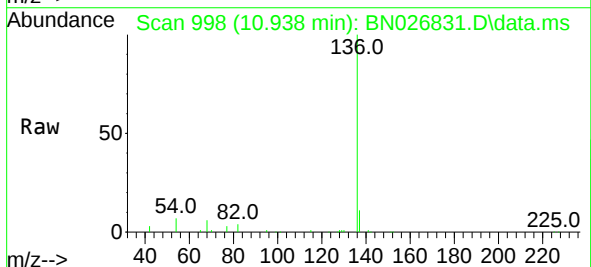
Manual Integrations
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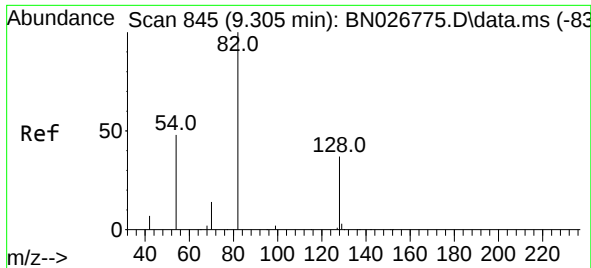
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.938 min Scan# 998
Delta R.T. -0.011 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15

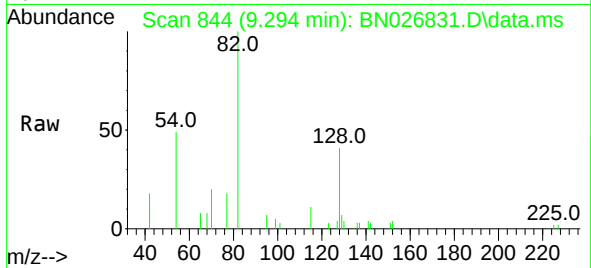
Tgt Ion:136 Resp: 30064
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.4
54 6.9 6.2 9.2
68 6.5 5.5 8.3





#8
Nitrobenzene-d5
Concen: 0.220 ng
RT: 9.294 min Scan# 845
Delta R.T. -0.011 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15

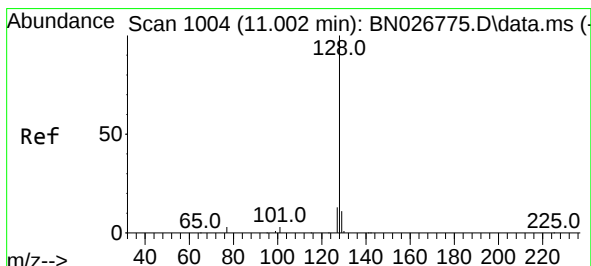
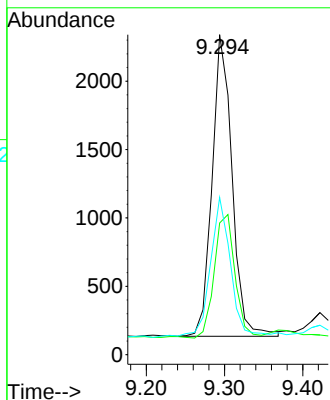
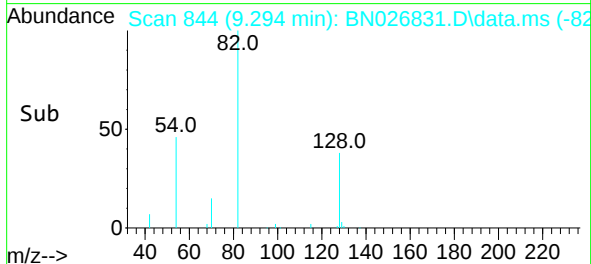
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-19-(0-5)



Tgt Ion: 82 Resp: 391
Ion Ratio Lower Upper
82 100
128 41.2 30.5 45.7
54 49.1 39.4 59.2

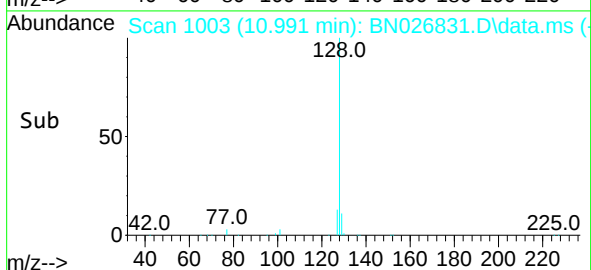
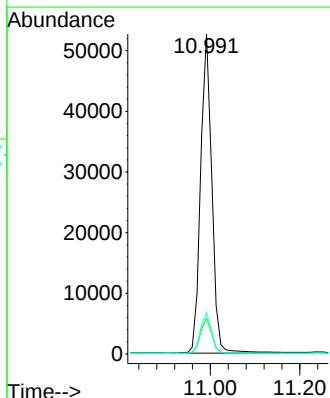
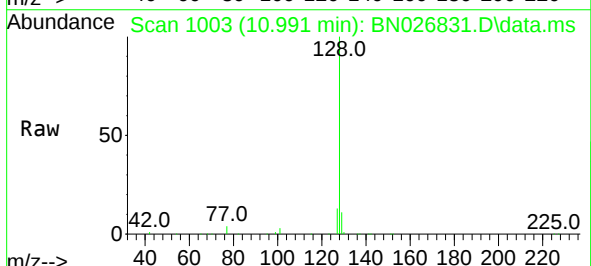
Manual Integrations
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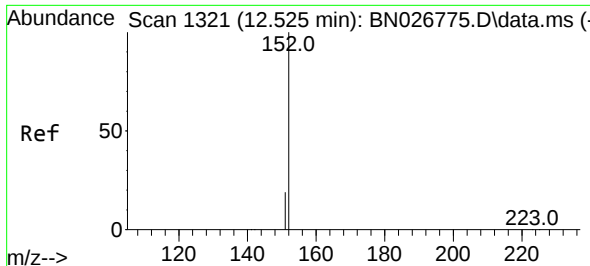
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#9
Naphthalene
Concen: 1.110 ng
RT: 10.991 min Scan# 1003
Delta R.T. -0.011 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15

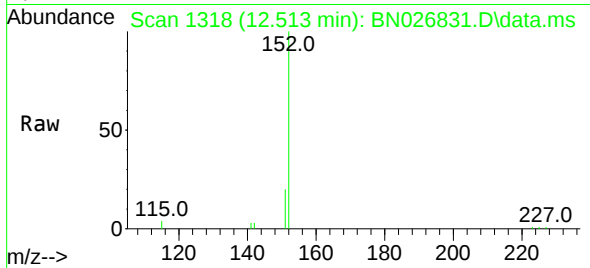
Tgt Ion:128 Resp: 91797
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 12.9 10.6 16.0





#11
2-Methylnaphthalene-d10
Concen: 0.195 ng
RT: 12.513 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15

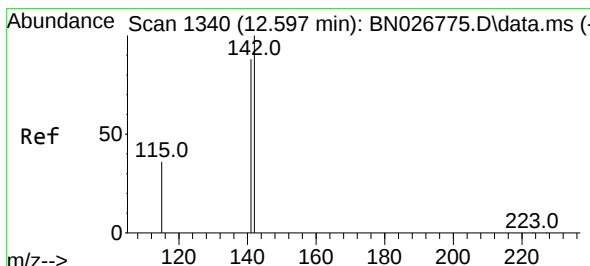
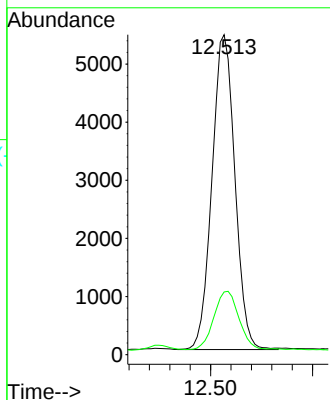
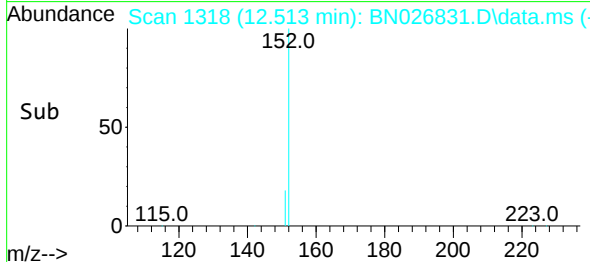
Instrument :
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BUILDING-B-19-(0-5)



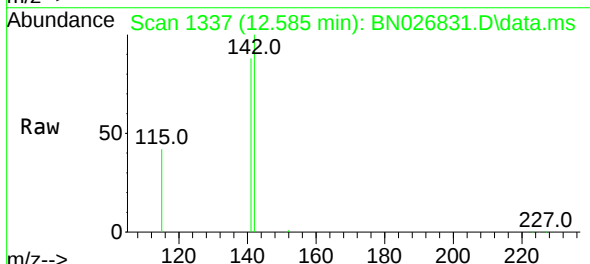
Tgt Ion:152 Resp: 8420
Ion Ratio Lower Upper
152 100
151 20.2 16.5 24.7

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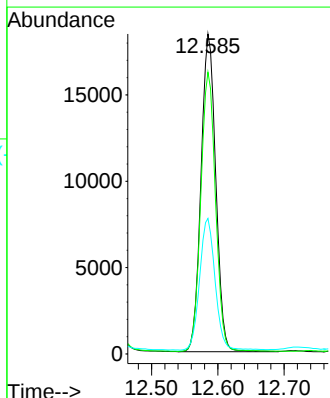
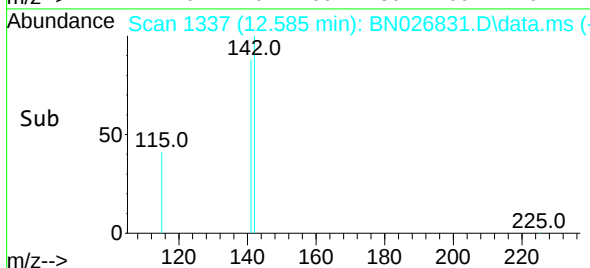
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

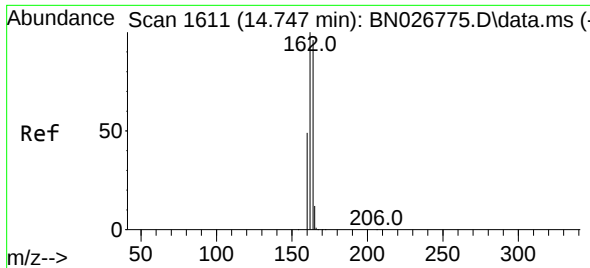


#12
2-Methylnaphthalene
Concen: 0.503 ng
RT: 12.585 min Scan# 1337
Delta R.T. -0.011 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15



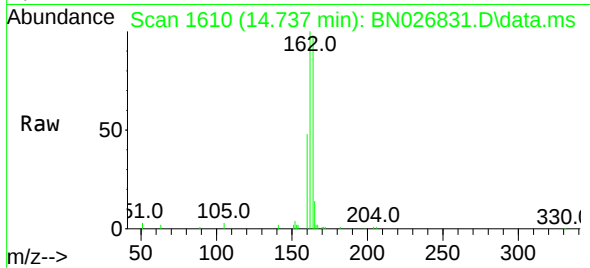
Tgt Ion:142 Resp: 28408
Ion Ratio Lower Upper
142 100
141 88.0 70.3 105.5
115 42.3 29.2 43.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.737 min Scan# 1610
Delta R.T. -0.011 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15

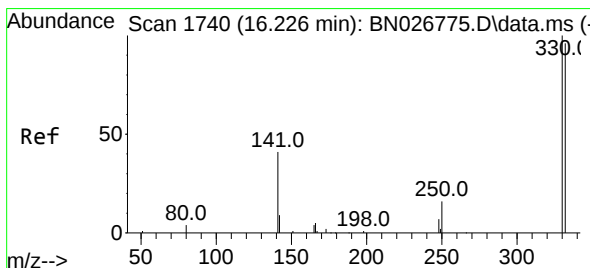
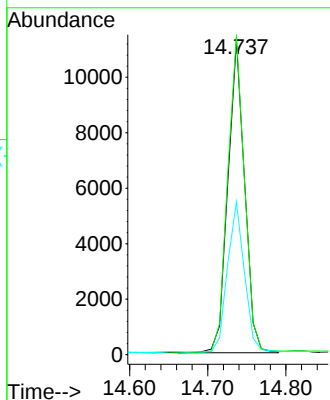
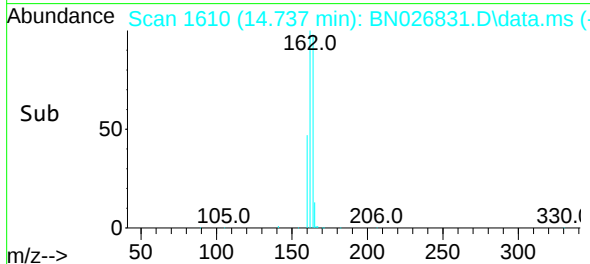
Instrument :
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BUILDING-B-19-(0-5)



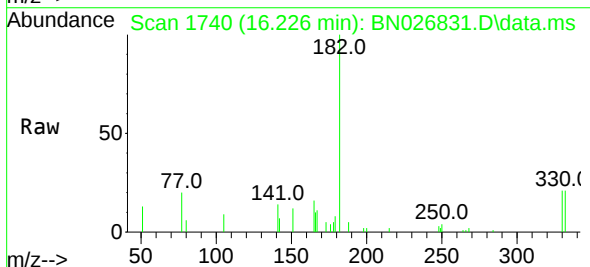
Tgt Ion:164 Resp: 16772
Ion Ratio Lower Upper
164 100
162 101.7 83.0 124.6
160 48.6 40.8 61.2

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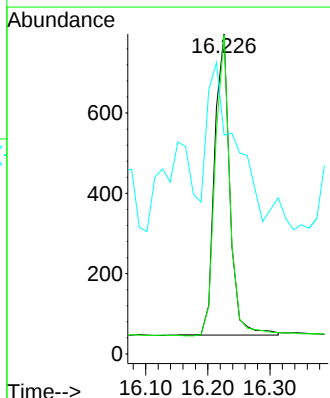
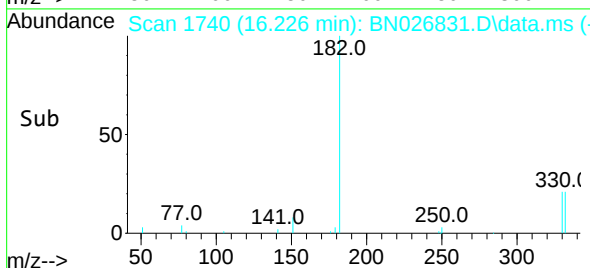
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

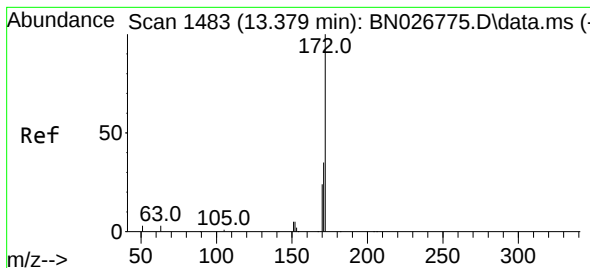


#14
2,4,6-Tribromophenol
Concen: 0.223 ng
RT: 16.226 min Scan# 1740
Delta R.T. -0.000 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15



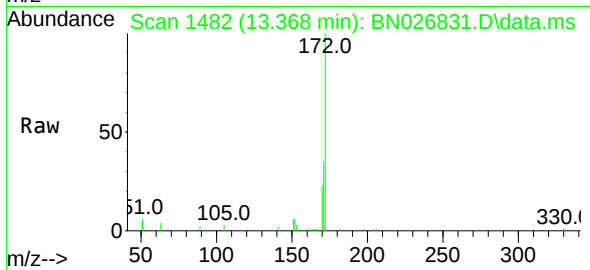
Tgt Ion:330 Resp: 1273
Ion Ratio Lower Upper
330 100
332 97.5 77.8 116.6
141 92.0 34.8 52.2#





#15
2-Fluorobiphenyl
Concen: 0.184 ng
RT: 13.368 min Scan# 1482
Delta R.T. -0.011 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15

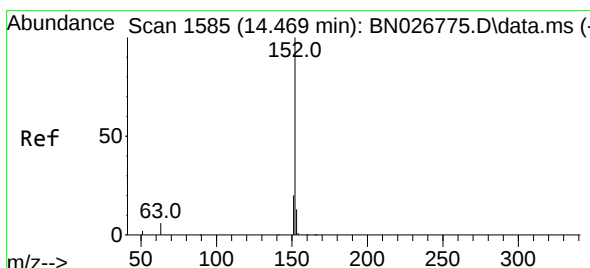
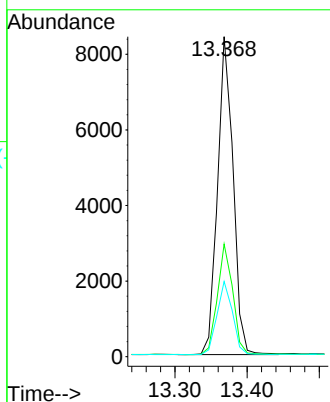
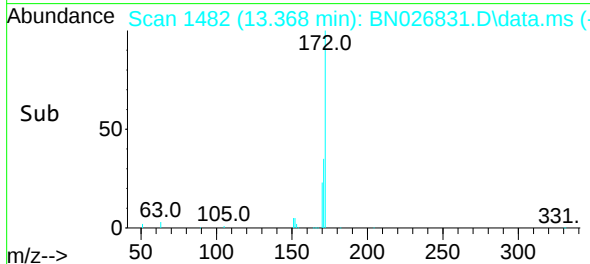
Instrument :
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BUILDING-B-19-(0-5)



Tgt Ion:172 Resp: 12568
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 23.5 19.2 28.8

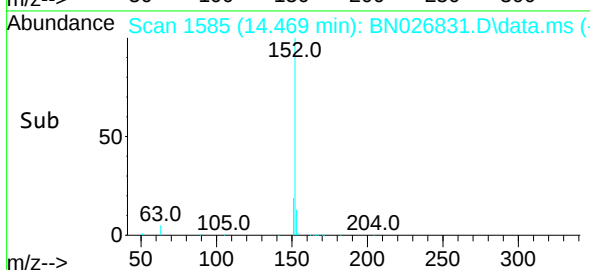
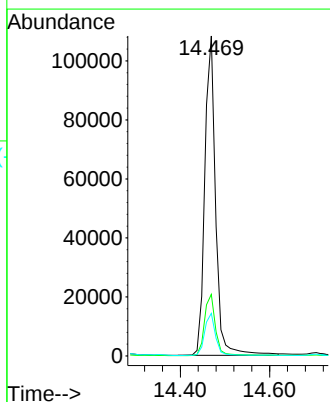
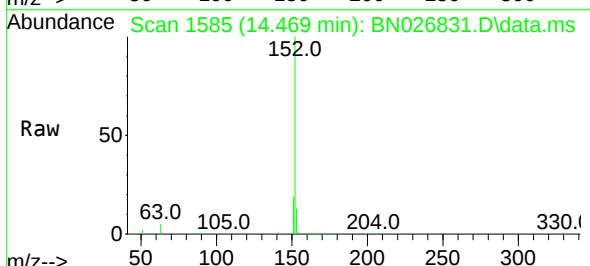
Manual Integrations
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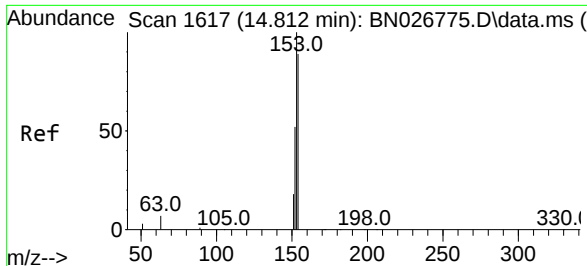
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#16
Acenaphthylene
Concen: 2.191 ng
RT: 14.469 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15

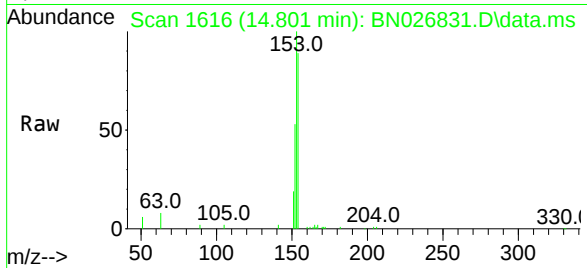
Tgt Ion:152 Resp: 181692
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.2 10.5 15.7





#17
Acenaphthene
Concen: 0.318 ng
RT: 14.801 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15

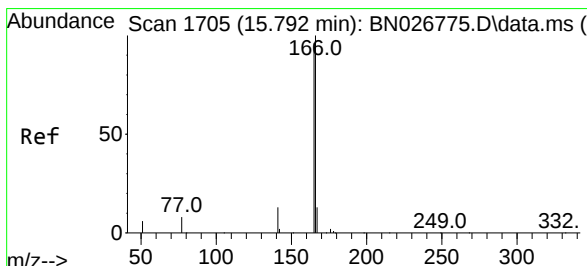
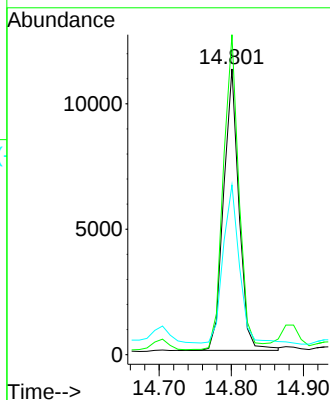
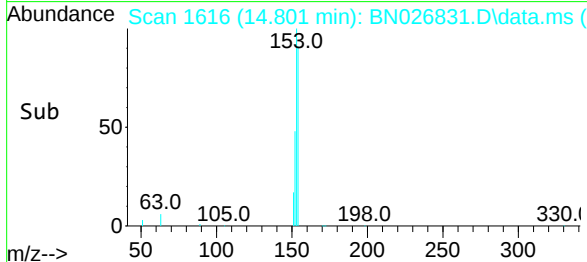
Instrument :
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ClientSampleId :
BUILDING-B-19-(0-5)



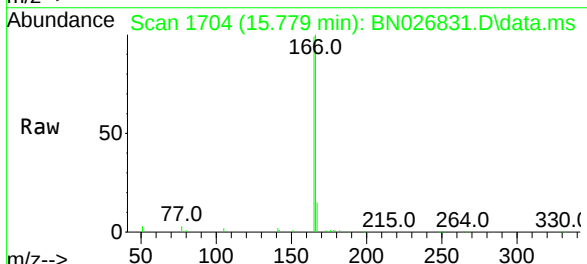
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Ion Ratio Lower Upper
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153 113.8 90.0 135.0
152 61.3 48.6 73.0

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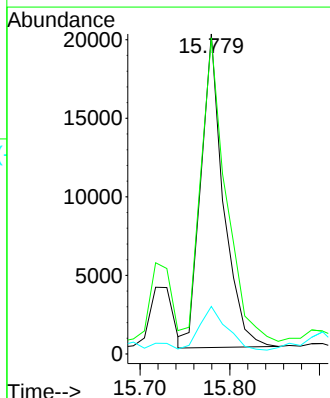
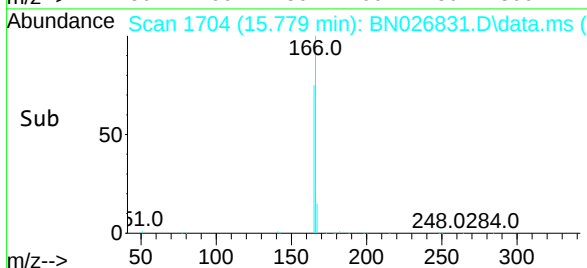
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

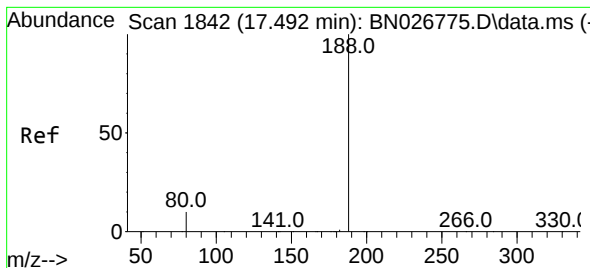


#18
Fluorene
Concen: 0.514 ng
RT: 15.779 min Scan# 1704
Delta R.T. -0.013 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15



Tgt Ion:166 Resp: 34827
Ion Ratio Lower Upper
166 100
165 108.1 79.0 118.6
167 16.6 10.9 16.3#





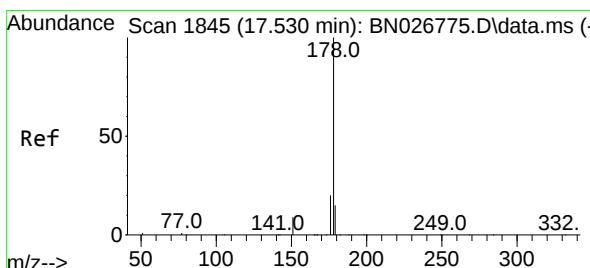
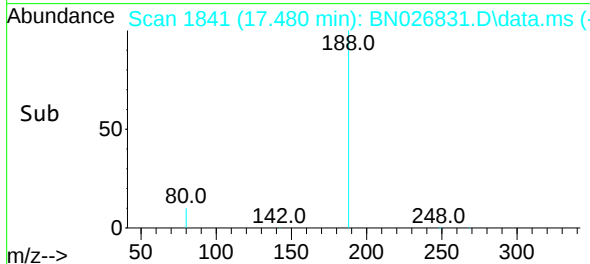
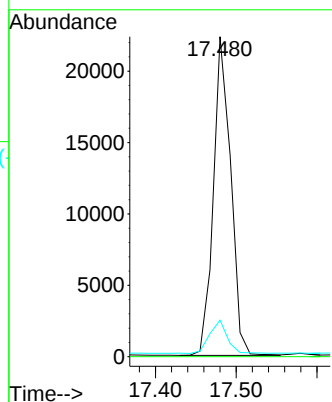
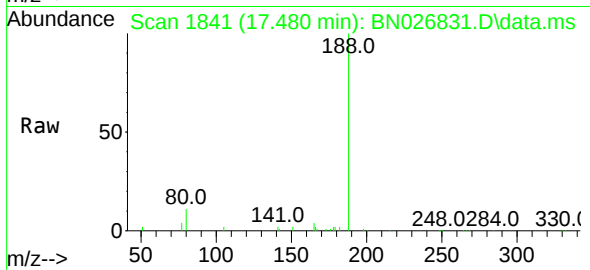
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.480 min Scan# 1842
Delta R.T. -0.013 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15

Instrument :
BNA_N
ClientSampleId :
BUILDING-B-19-(0-5)

Tgt Ion:188 Resp: 33120
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.4 8.0 12.0

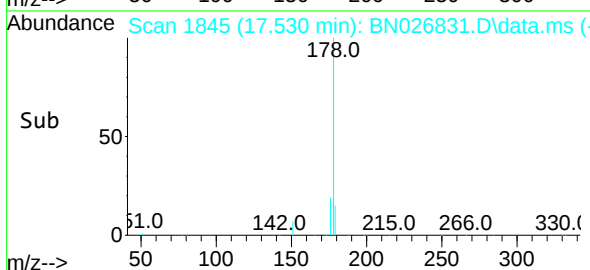
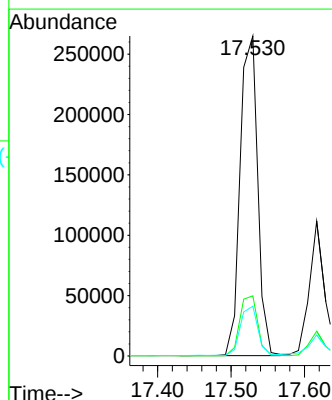
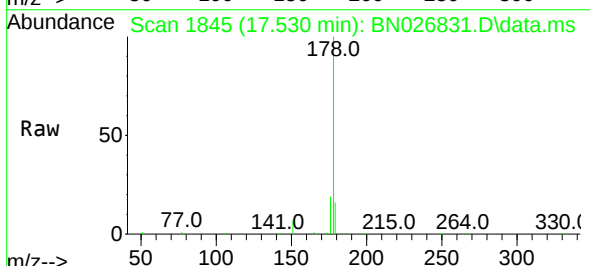
Manual Integrations
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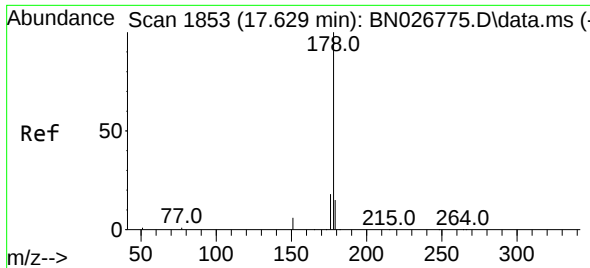
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#25
Phenanthrene
Concen: 4.367 ng
RT: 17.530 min Scan# 1845
Delta R.T. -0.000 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15

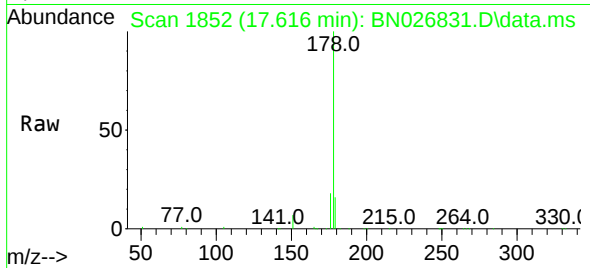
Tgt Ion:178 Resp: 439323
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.4 12.2 18.2





#26
 Anthracene
 Concen: 1.811 ng
 RT: 17.616 min Scan# 11
 Delta R.T. -0.013 min
 Lab File: BN026831.D
 Acq: 07 Aug 2023 15:15

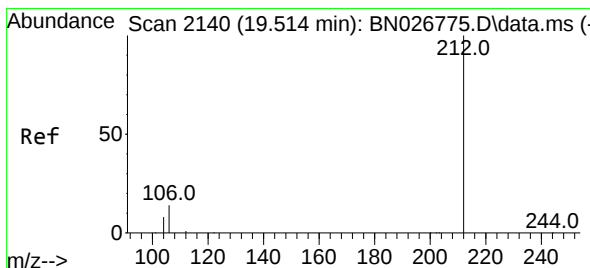
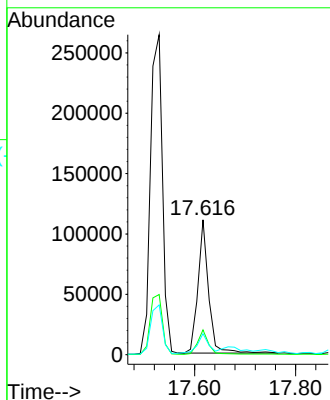
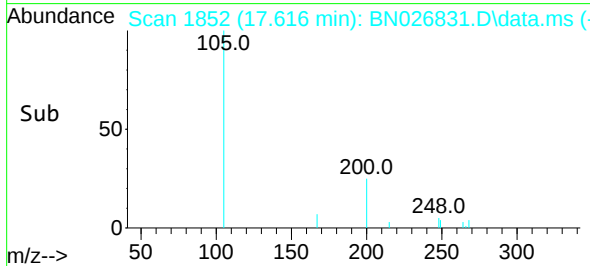
Instrument :
 BNA_N
 ClientSampleId :
 BUILDING-B-19-(0-5)



Tgt Ion:178 Resp: 162769
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.9 22.3
 179 14.7 12.2 18.2

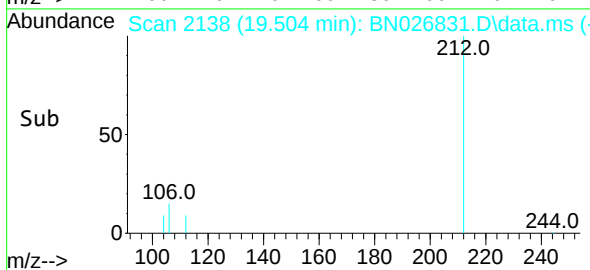
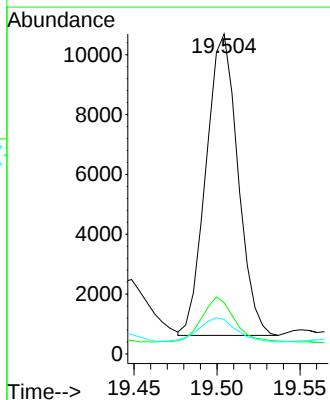
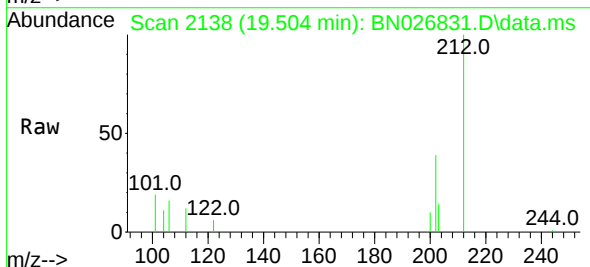
Manual Integrations
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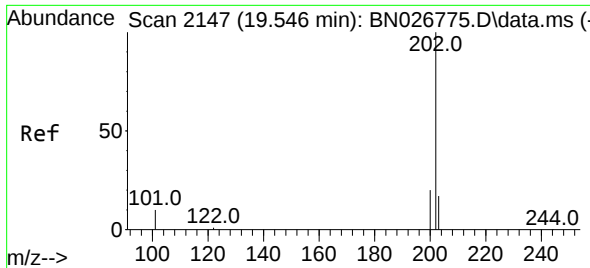
Reviewed By :Yogesh Patel 08/08/2023
 Supervised By :mohammad ahmed 08/08/2023



#27
 Fluoranthene-d10
 Concen: 0.169 ng
 RT: 19.504 min Scan# 2138
 Delta R.T. -0.009 min
 Lab File: BN026831.D
 Acq: 07 Aug 2023 15:15

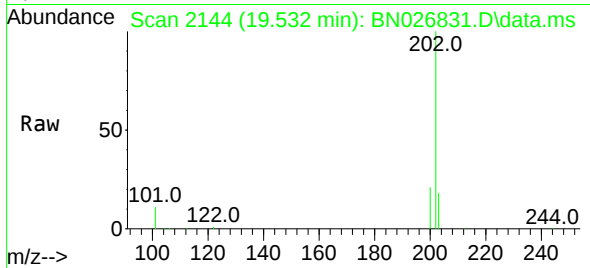
Tgt Ion:212 Resp: 13477
 Ion Ratio Lower Upper
 212 100
 106 15.7 11.7 17.5
 104 9.1 6.4 9.6





#28
Fluoranthene
Concen: 9.014 ng
RT: 19.532 min Scan# 2144
Delta R.T. -0.014 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15

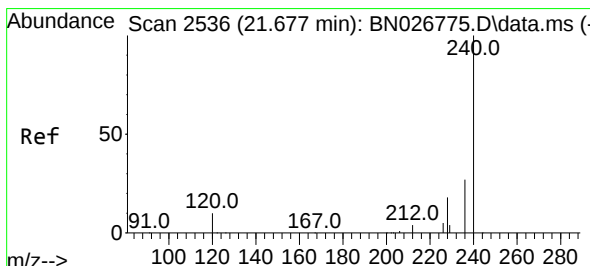
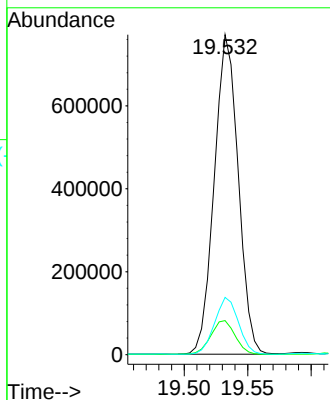
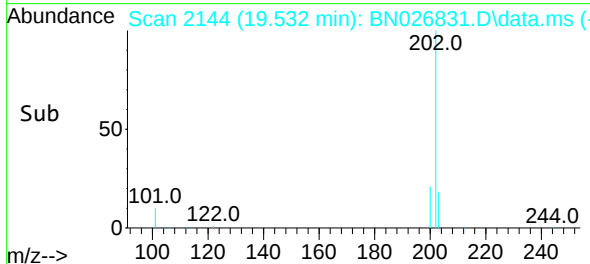
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-19-(0-5)



Tgt Ion:202 Resp: 100982
Ion Ratio Lower Upper
202 100
101 10.8 9.2 13.8
203 17.7 13.7 20.5

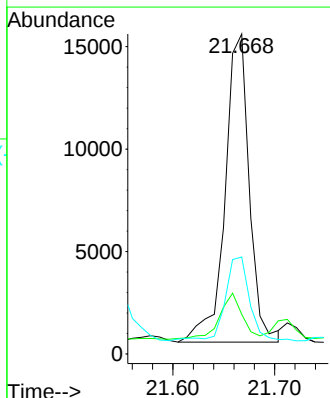
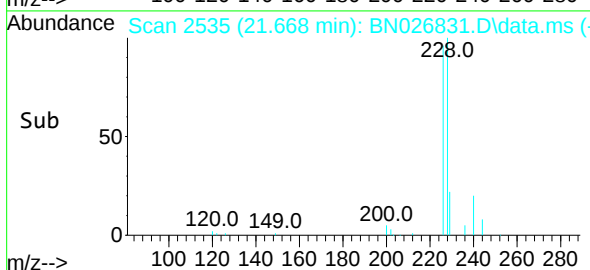
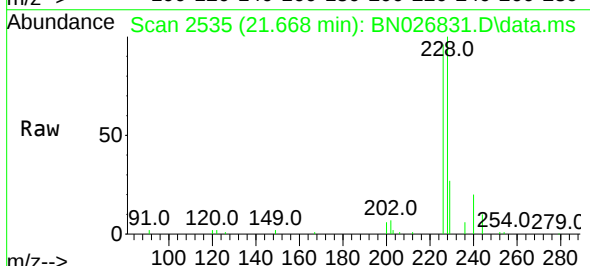
Manual Integrations
APPROVED

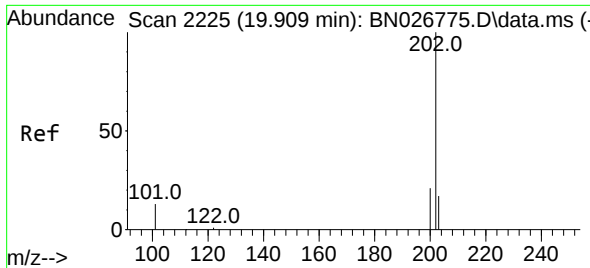
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.668 min Scan# 2535
Delta R.T. -0.009 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15

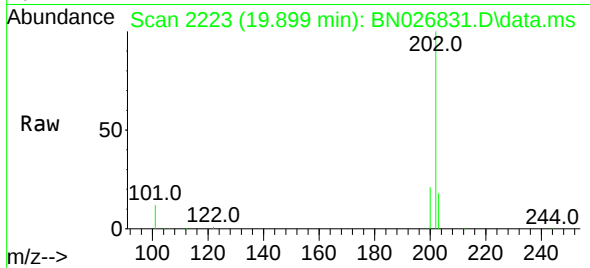
Tgt Ion:240 Resp: 25012
Ion Ratio Lower Upper
240 100
120 12.4 9.2 13.8
236 30.3 21.9 32.9





#30
Pyrene
Concen: 10.881 ng
RT: 19.899 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15

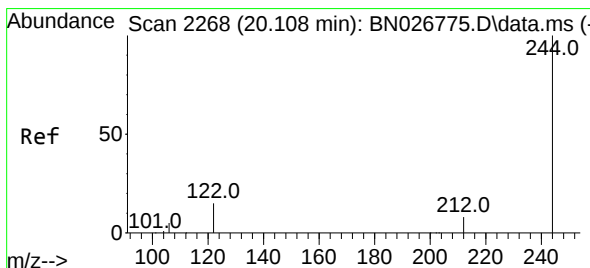
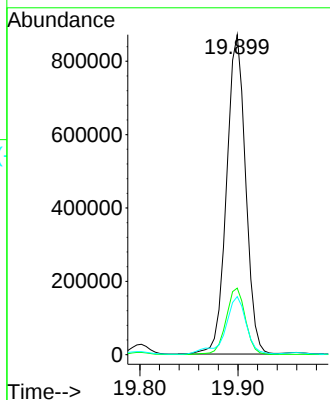
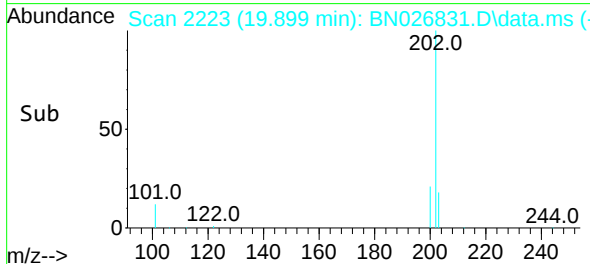
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-19-(0-5)



Tgt Ion:202 Resp: 117598
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 19.8 14.2 21.2

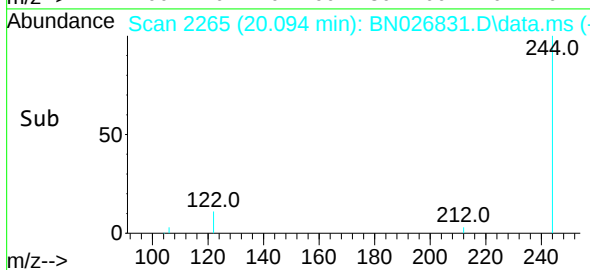
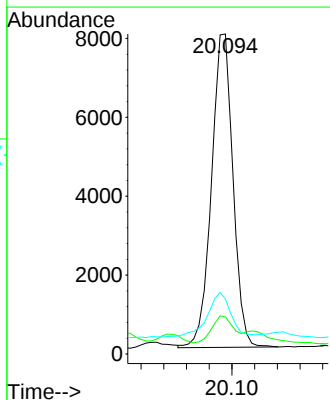
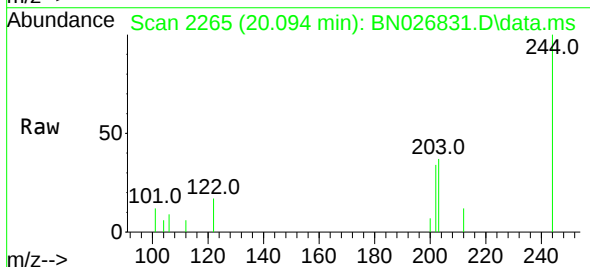
Manual Integrations
APPROVED

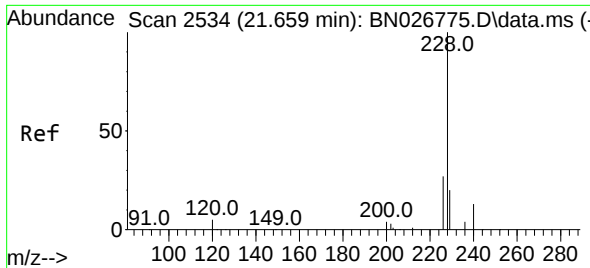
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#31
Terphenyl-d14
Concen: 0.200 ng
RT: 20.094 min Scan# 2265
Delta R.T. -0.014 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15

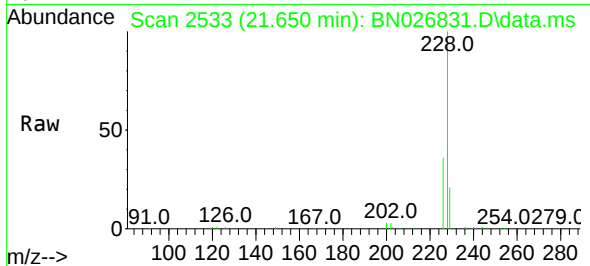
Tgt Ion:244 Resp: 10446
Ion Ratio Lower Upper
244 100
212 11.6 7.0 10.4#
122 17.2 12.3 18.5





#32
Benzo(a)anthracene
Concen: 7.536 ng m
RT: 21.650 min Scan# 21650
Delta R.T. -0.009 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15

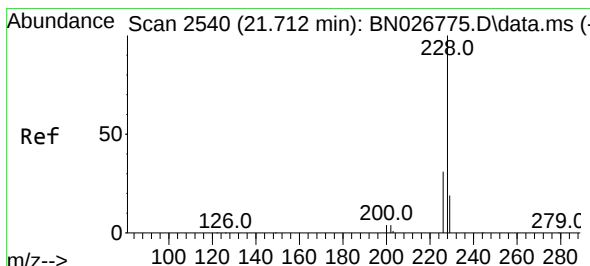
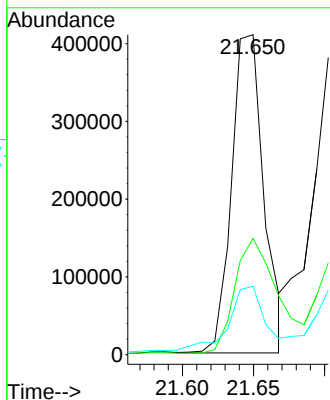
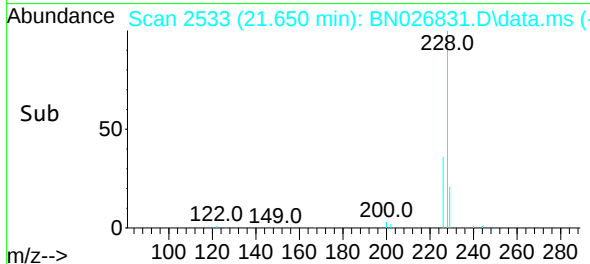
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-19-(0-5)



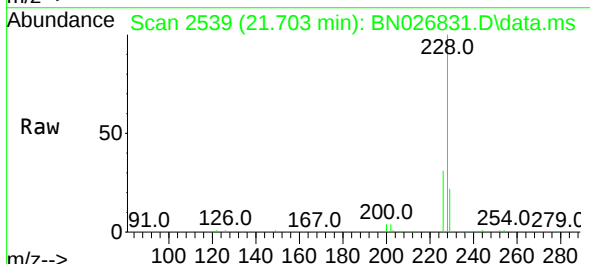
Tgt Ion:228 Resp: 647254
Ion Ratio Lower Upper
228 100
226 36.4 21.9 32.9
229 21.4 15.8 23.8

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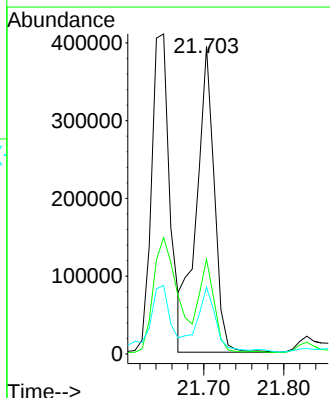
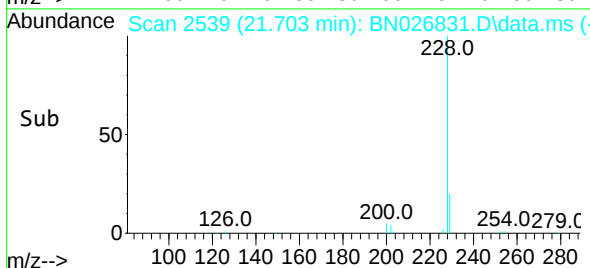
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

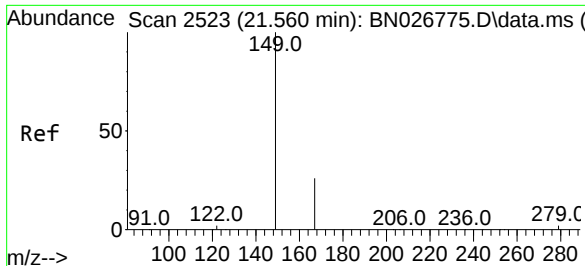


#33
Chrysene
Concen: 6.430 ng
RT: 21.703 min Scan# 2539
Delta R.T. -0.009 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15



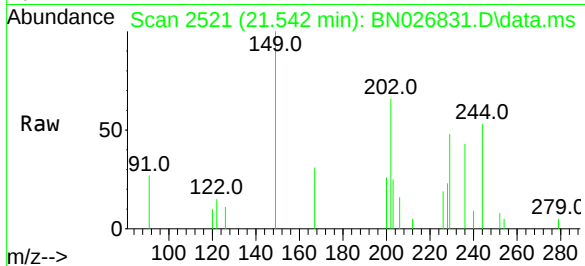
Tgt Ion:228 Resp: 610572
Ion Ratio Lower Upper
228 100
226 30.9 24.6 36.8
229 21.7 15.4 23.2





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.286 ng
RT: 21.542 min Scan# 2154
Delta R.T. -0.018 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15

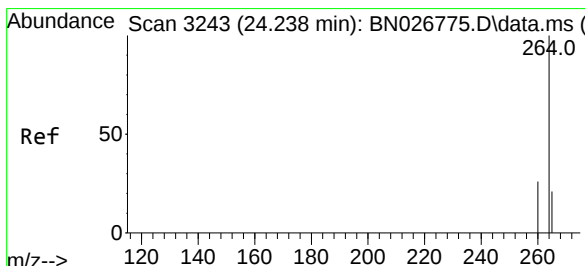
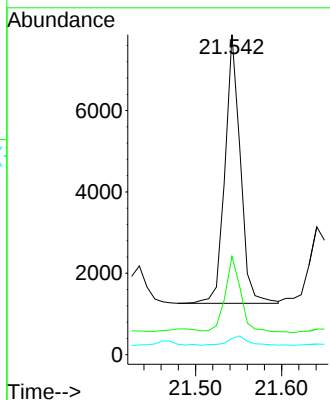
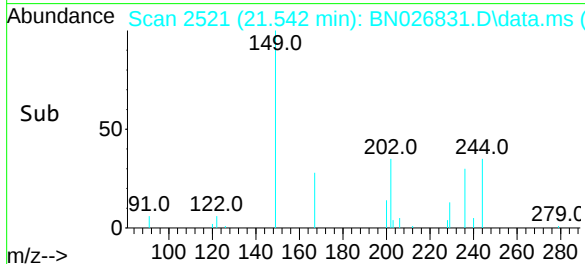
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-19-(0-5)



Tgt Ion:149 Resp: 8145
Ion Ratio Lower Upper
149 100
167 29.5 20.8 31.2
279 4.4 2.4 3.6

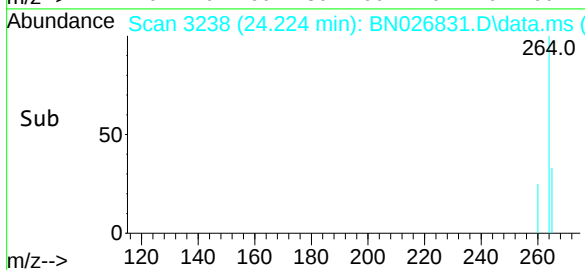
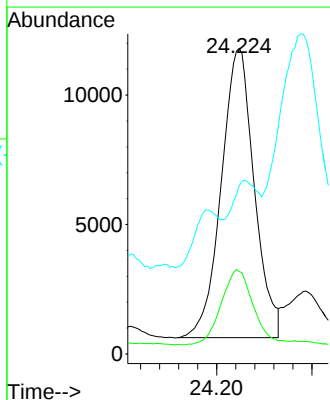
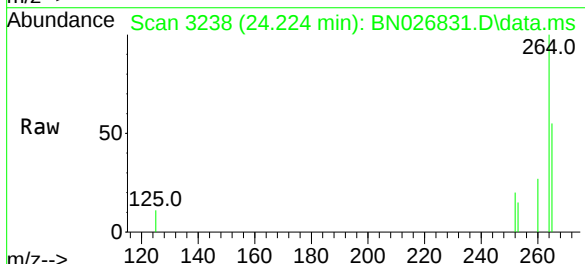
Manual Integrations
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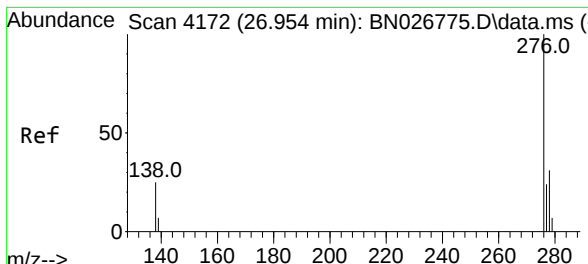
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.224 min Scan# 3238
Delta R.T. -0.015 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15

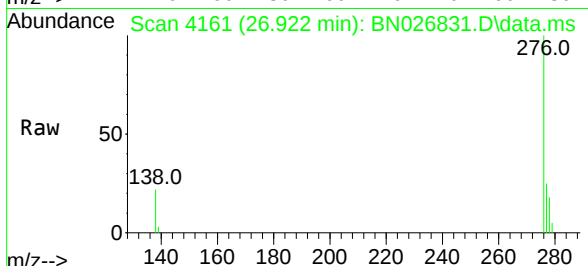
Tgt Ion:264 Resp: 26868
Ion Ratio Lower Upper
264 100
260 27.0 21.0 31.6
265 55.0 22.6 33.8





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 3.810 ng
 RT: 26.922 min Scan# 41768
 Delta R.T. -0.032 min
 Lab File: BN026831.D
 Acq: 07 Aug 2023 15:15

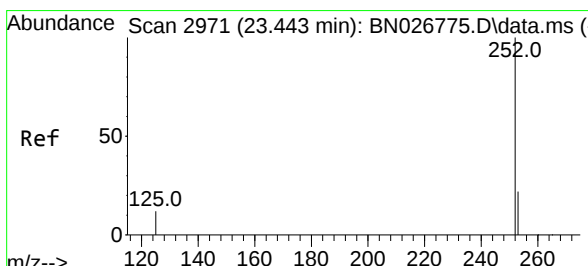
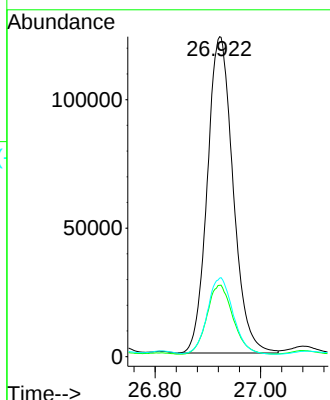
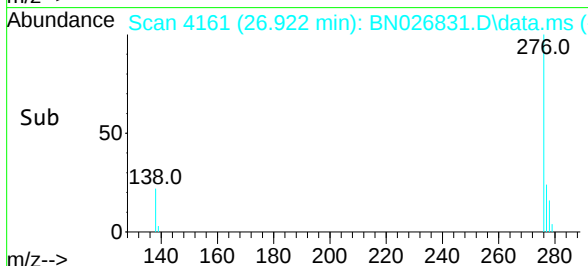
Instrument :
 BNA_N
 ClientSampleId :
 BUILDING-B-19-(0-5)



Tgt Ion:276 Resp: 41768
 Ion Ratio Lower Upper
 276 100
 138 22.2 22.8 34.2
 277 24.1 19.9 29.9

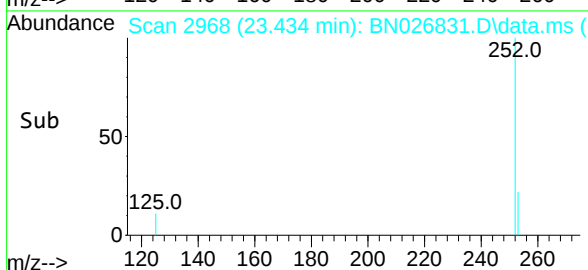
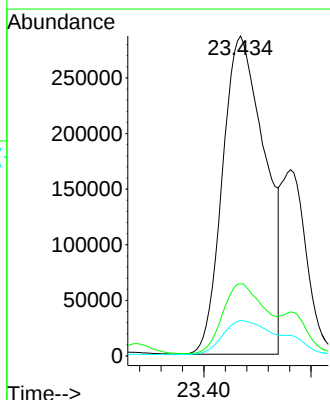
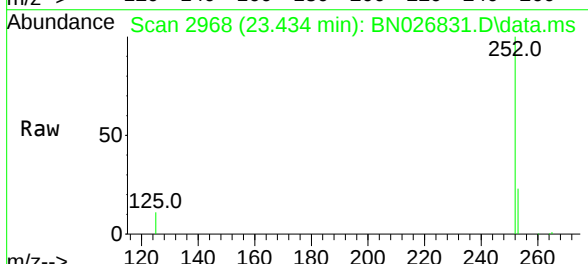
Manual Integrations
 APPROVED

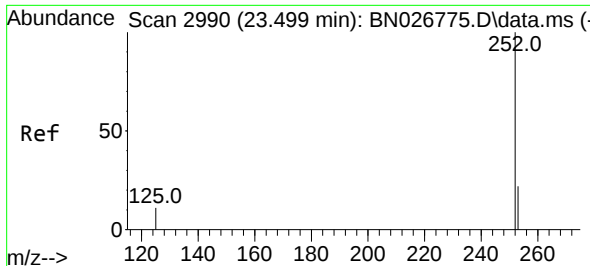
Reviewed By :Yogesh Patel 08/08/2023
 Supervised By :mohammad ahmed 08/08/2023



#37
 Benzo(b)fluoranthene
 Concen: 7.428 ng
 RT: 23.434 min Scan# 2968
 Delta R.T. -0.009 min
 Lab File: BN026831.D
 Acq: 07 Aug 2023 15:15

Tgt Ion:252 Resp: 785255
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.8 26.8
 125 11.1 10.8 16.2





#38

Benzo(k)fluoranthene

Concen: 2.493 ng m

RT: 23.481 min Scan# 2984

Delta R.T. -0.018 min

Lab File: BN026831.D

Acq: 07 Aug 2023 15:15

Instrument :

BN026831.D

ClientSampleId :

BUILDING-B-19-(0-5)

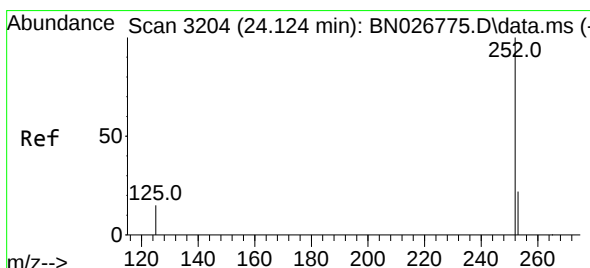
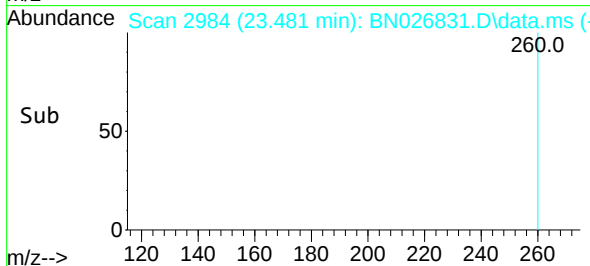
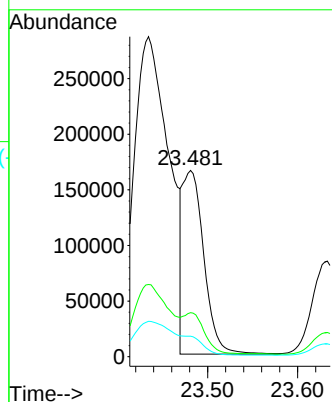
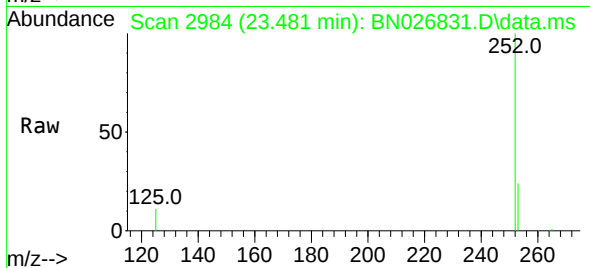
Tgt Ion:252 Resp: 270823
 Ion Ratio Lower Upper
 252 100
 253 23.6 18.0 27.0
 125 11.0 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023



#39

Benzo(a)pyrene

Concen: 6.921 ng m

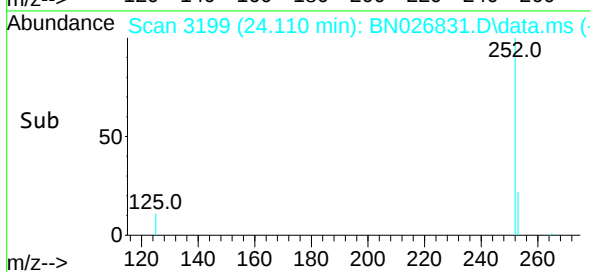
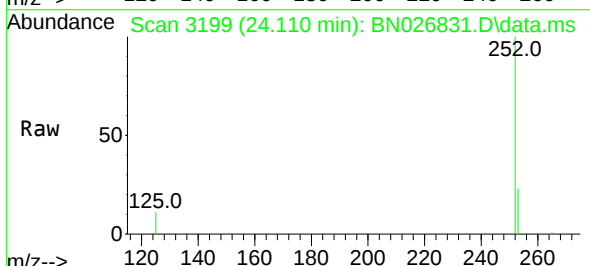
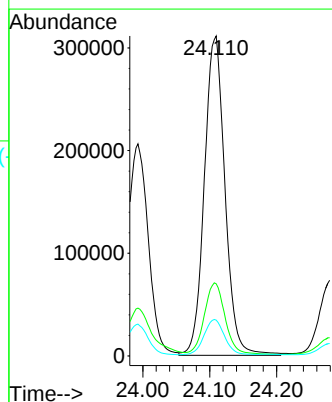
RT: 24.110 min Scan# 3199

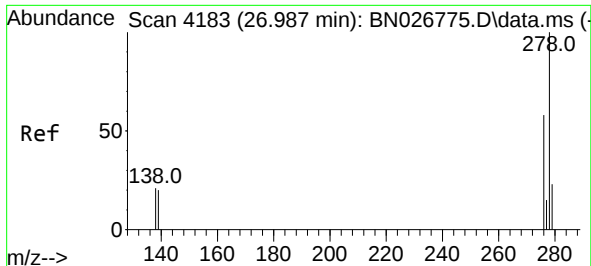
Delta R.T. -0.015 min

Lab File: BN026831.D

Acq: 07 Aug 2023 15:15

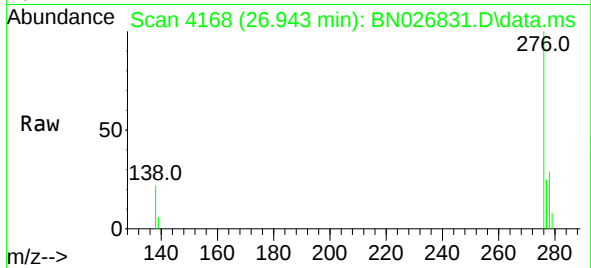
Tgt Ion:252 Resp: 667165
 Ion Ratio Lower Upper
 252 100
 253 22.6 18.5 27.7
 125 11.2 12.7 19.1#





#40
Dibenzo(a,h)anthracene
Concen: 1.303 ng m
RT: 26.943 min Scan# 41
Delta R.T. -0.044 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15

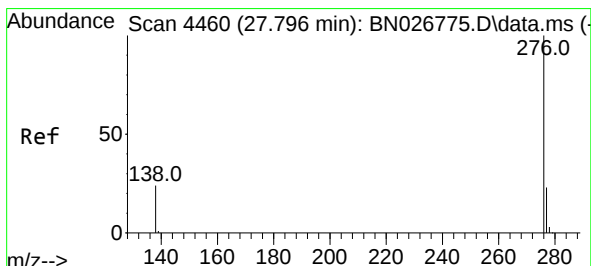
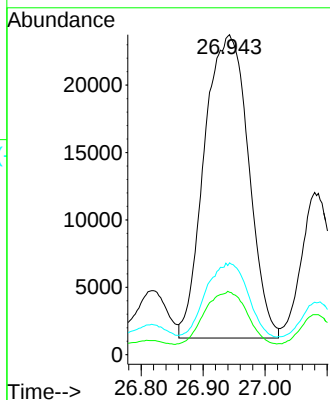
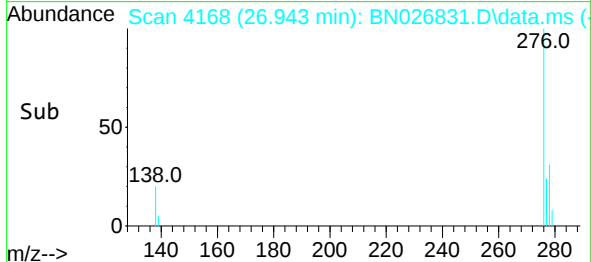
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-19-(0-5)



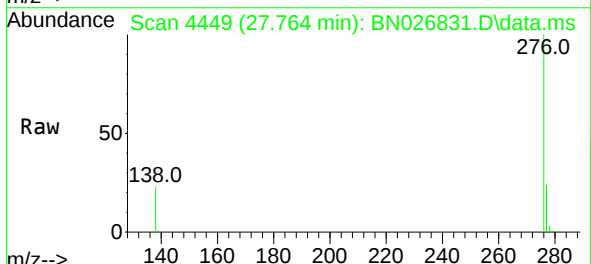
Tgt Ion:278 Resp: 11097
Ion Ratio Lower Upper
278 100
139 19.5 16.8 25.2
279 28.7 19.5 29.3

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 4.340 ng
RT: 27.764 min Scan# 4449
Delta R.T. -0.032 min
Lab File: BN026831.D
Acq: 07 Aug 2023 15:15



Tgt Ion:276 Resp: 437478
Ion Ratio Lower Upper
276 100
277 23.9 19.1 28.7
138 22.8 19.8 29.6

