

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080923\
 Data File : BN026855.D
 Acq On : 08 Aug 2023 20:32
 Operator : MA/JU
 Sample : 03862-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BUILDING-B-9-(5-10)

Quant Time: Aug 09 01:12:36 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.109	152	12809	0.400	ng	0.00
7) Naphthalene-d8	10.938	136	41821	0.400	ng	# 0.00
13) Acenaphthene-d10	14.737	164	24146	0.400	ng	0.00
19) Phenanthrene-d10	17.480	188	45543	0.400	ng	0.00
29) Chrysene-d12	21.659	240	36295	0.400	ng	# 0.00
35) Perylene-d12	24.218	264	33851	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.618	112	8107	0.250	ng	0.00
5) Phenol-d6	7.235	99	10174	0.242	ng	0.00
8) Nitrobenzene-d5	9.294	82	5801	0.234	ng	0.00
11) 2-Methylnaphthalene-d10	12.510	152	14993	0.250	ng	0.00
14) 2,4,6-Tribromophenol	16.214	330	1840	0.224	ng	-0.01
15) 2-Fluorobiphenyl	13.368	172	22540	0.229	ng	0.00
27) Fluoranthene-d10	19.500	212	22975	0.210	ng	0.00
31) Terphenyl-d14	20.090	244	24027	0.317	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.991	128	1128598	9.814	ng	99
12) 2-Methylnaphthalene	12.581	142	239892	3.056	ng	100
16) Acenaphthylene	14.459	152	495186	4.149	ng	99
17) Acenaphthene	14.801	154	117214	1.565	ng	98
18) Fluorene	15.779	166	354913	3.641	ng	94
25) Phenanthrene	17.517	178	3543439	25.618	ng	99
26) Anthracene	17.616	178	1227033	9.928	ng	99
28) Fluoranthene	19.532	202	5178403	33.623	ng	98
30) Pyrene	19.899	202	5376836	34.283	ng	96
32) Benzo(a)anthracene	21.641	228	3078547	24.700	ng	96
33) Chrysene	21.703	228	2829913	20.539	ng	# 97
34) Bis(2-ethylhexyl)phtha...	21.533	149	12287	0.298	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.925	276	1395143	10.100	ng	# 93
37) Benzo(b)fluoranthene	23.431	252	3091782	23.213	ng	97
38) Benzo(k)fluoranthene	23.478	252	1110919m	8.118	ng	
39) Benzo(a)pyrene	24.104	252	2327059m	19.159	ng	
40) Dibenzo(a,h)anthracene	26.946	278	395186	3.683	ng	# 92
41) Benzo(g,h,i)perylene	27.767	276	1372898	10.810	ng	97

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

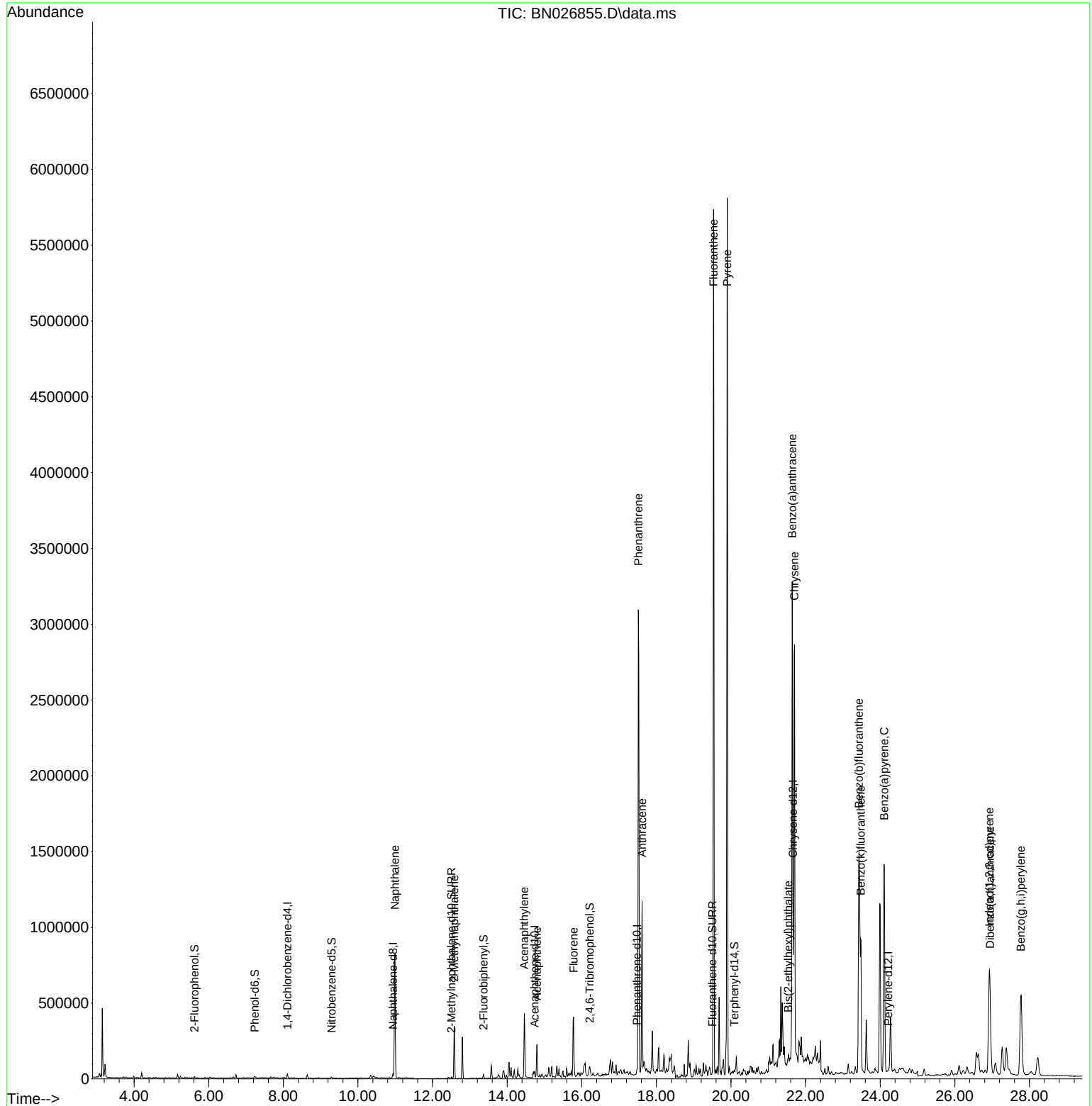
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080923\
Data File : BN026855.D
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Operator : MA/JU
Sample : 03862-06
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ALS Vial : 9 Sample Multiplier: 1

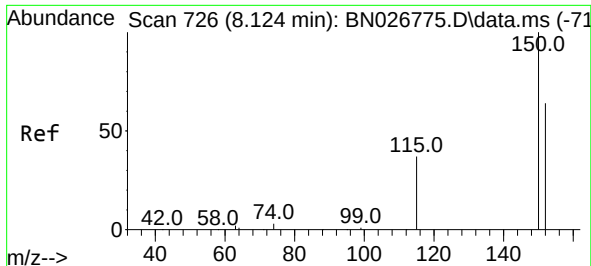
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-9-(5-10)

Quant Time: Aug 09 01:12:36 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
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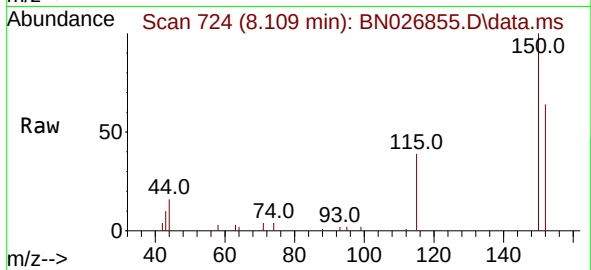
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.109 min Scan# 71
Delta R.T. -0.001 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32

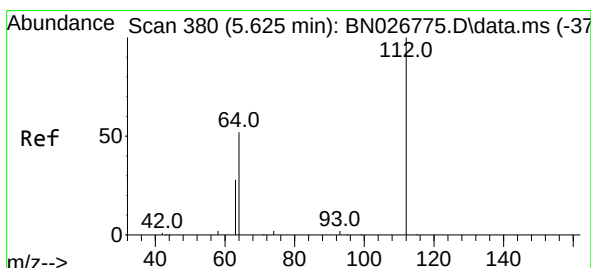
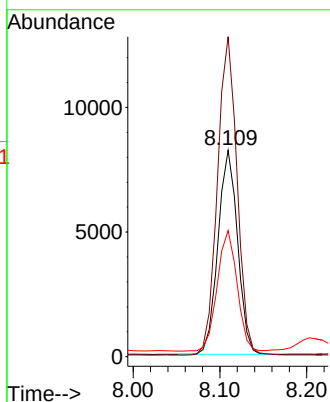
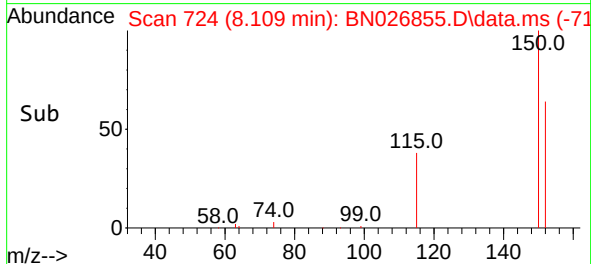
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-9-(5-10)



Tgt Ion:152 Resp: 12809
Ion Ratio Lower Upper
152 100
150 155.1 123.8 185.8
115 61.1 48.0 72.0

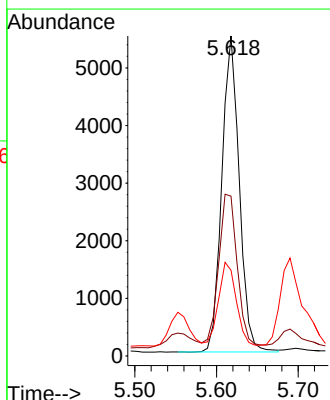
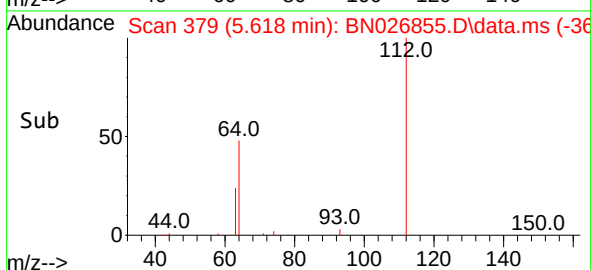
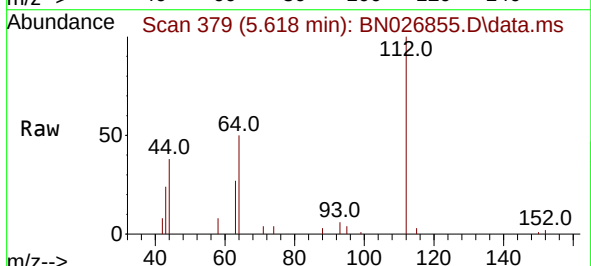
Manual Integrations
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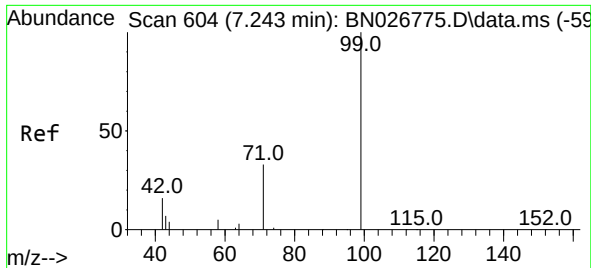
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#4
2-Fluorophenol
Concen: 0.250 ng
RT: 5.618 min Scan# 379
Delta R.T. -0.000 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32

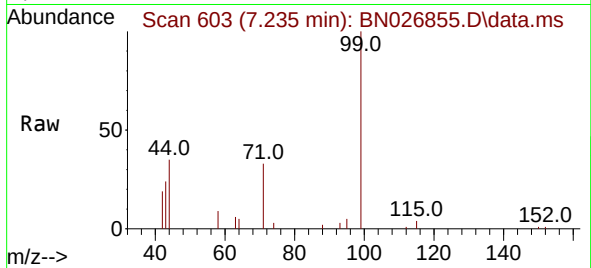
Tgt Ion:112 Resp: 8107
Ion Ratio Lower Upper
112 100
64 50.5 42.2 63.2
63 26.5 22.7 34.1





#5
Phenol-d6
Concen: 0.242 ng
RT: 7.235 min Scan# 604
Delta R.T. -0.000 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32

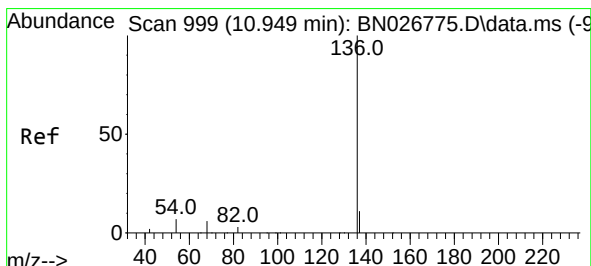
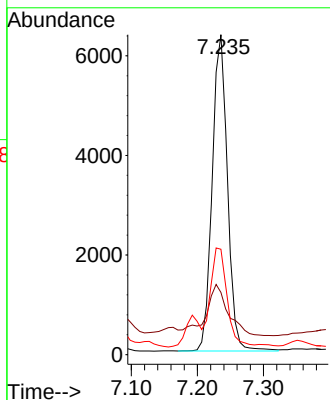
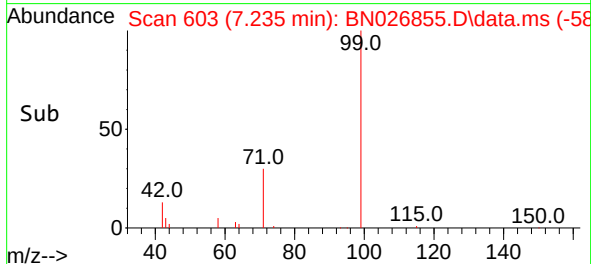
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-9-(5-10)



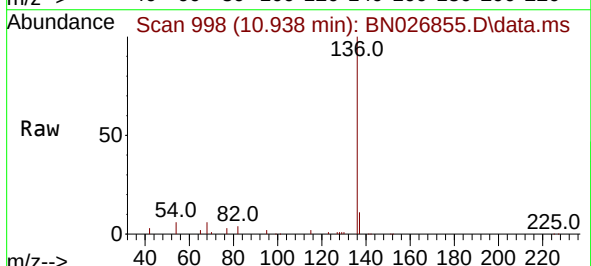
Tgt Ion: 99 Resp: 10174
Ion Ratio Lower Upper
99 100
42 23.9 14.6 22.0
71 32.8 26.6 40.0

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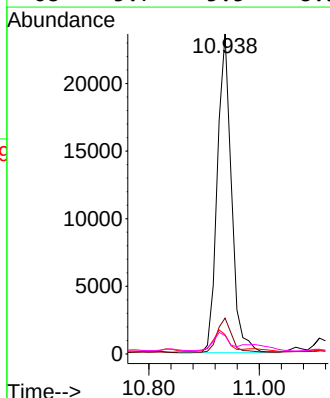
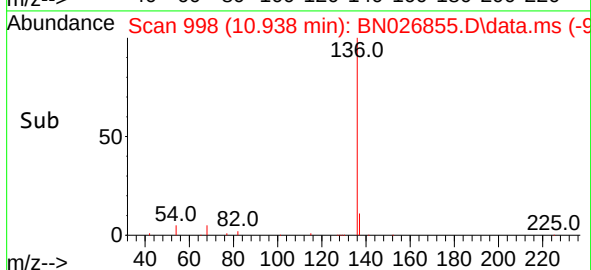
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

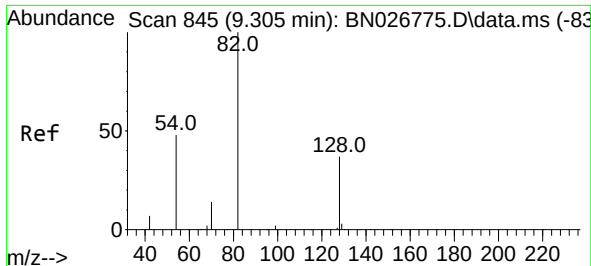


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.938 min Scan# 998
Delta R.T. -0.000 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32



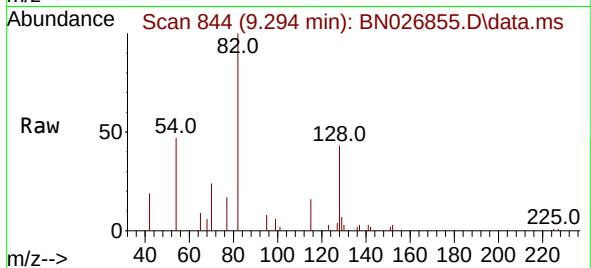
Tgt Ion:136 Resp: 41821
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 6.1 6.2 9.2
68 5.7 5.5 8.3





#8
Nitrobenzene-d5
Concen: 0.234 ng
RT: 9.294 min Scan# 844
Delta R.T. -0.000 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32

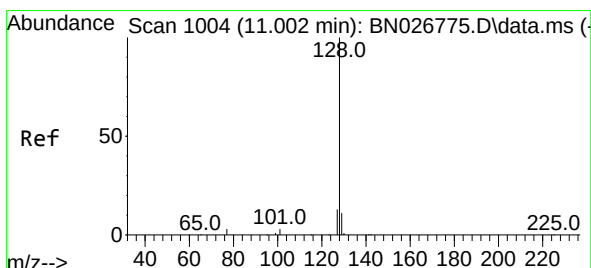
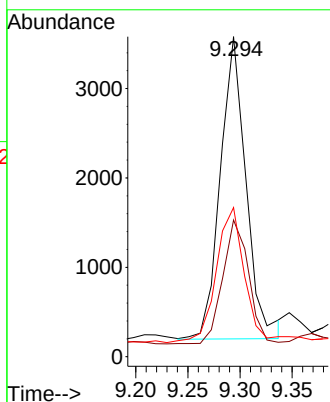
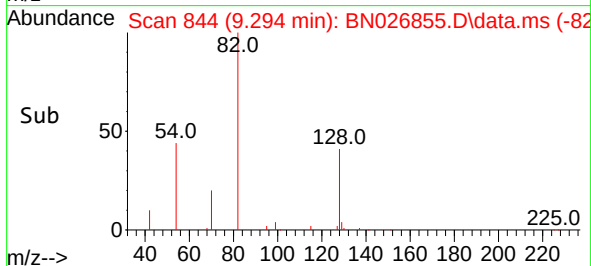
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-9-(5-10)



Tgt Ion: 82 Resp: 580
Ion Ratio Lower Upper
82 100
128 42.7 30.5 45.7
54 46.6 39.4 59.2

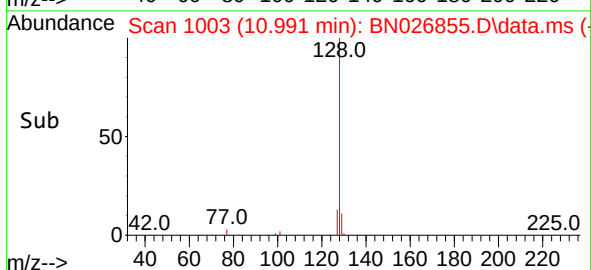
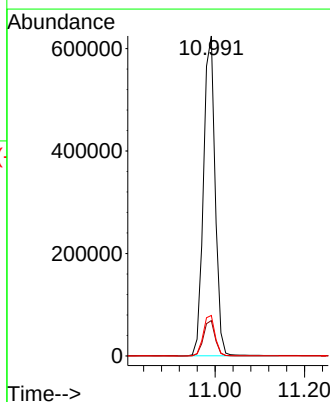
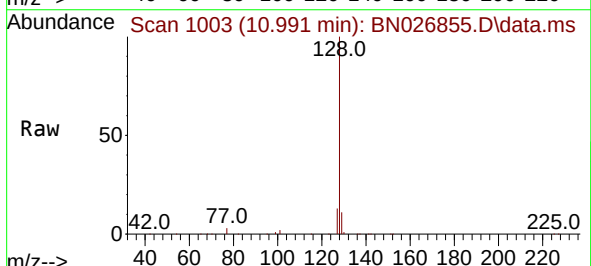
Manual Integrations
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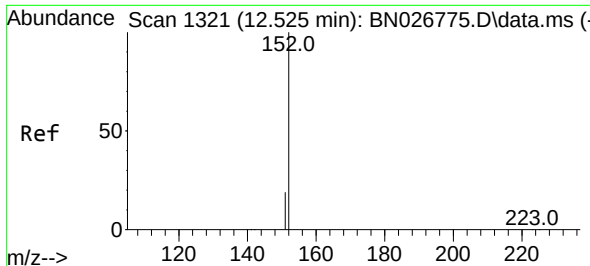
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#9
Naphthalene
Concen: 9.814 ng
RT: 10.991 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32

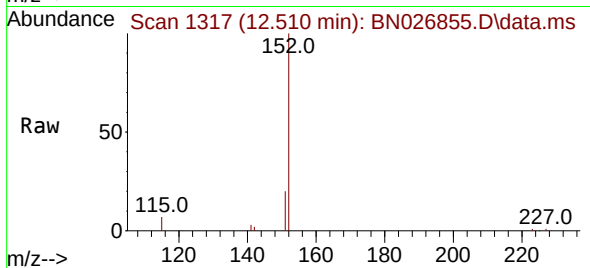
Tgt Ion:128 Resp: 1128598
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 12.7 10.6 16.0





#11
2-Methylnaphthalene-d10
Concen: 0.250 ng
RT: 12.510 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32

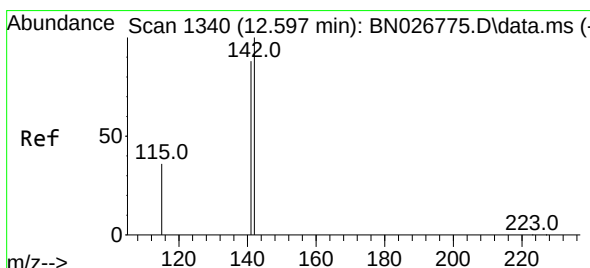
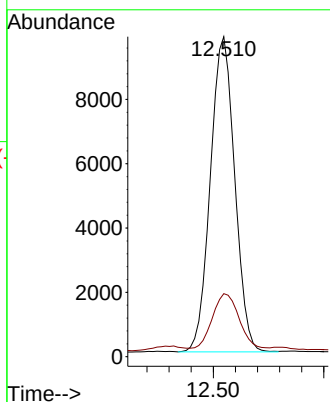
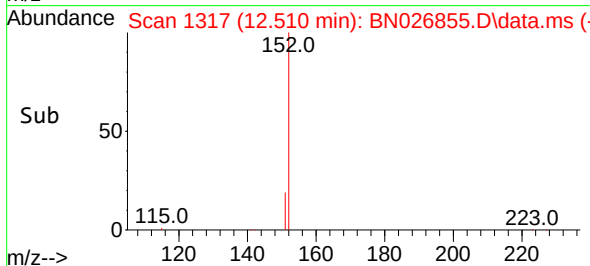
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-9-(5-10)



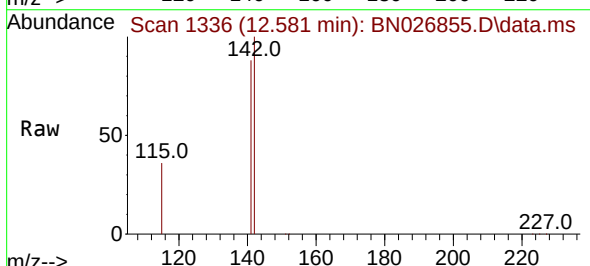
Tgt Ion:152 Resp: 1499
Ion Ratio Lower Upper
152 100
151 19.0 16.5 24.7

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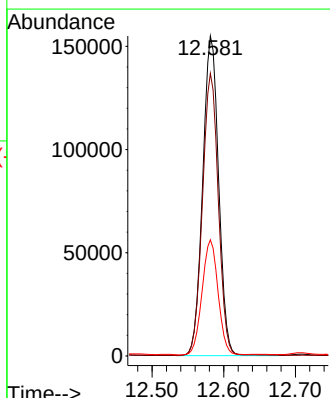
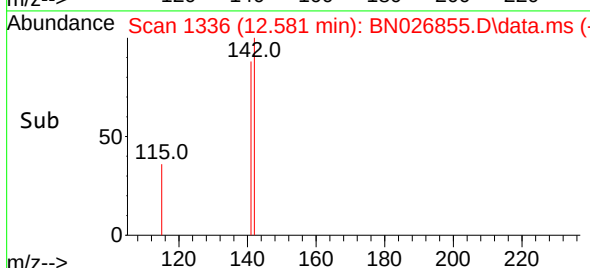
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Supervised By :mohammad ahmed 08/09/2023

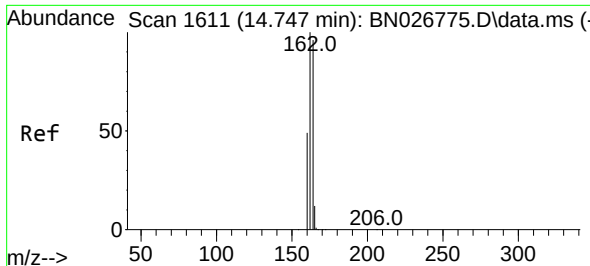


#12
2-Methylnaphthalene
Concen: 3.056 ng
RT: 12.581 min Scan# 1336
Delta R.T. -0.004 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32



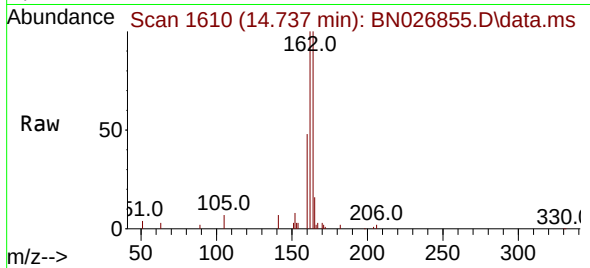
Tgt Ion:142 Resp: 239892
Ion Ratio Lower Upper
142 100
141 88.3 70.3 105.5
115 36.3 29.2 43.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.737 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32

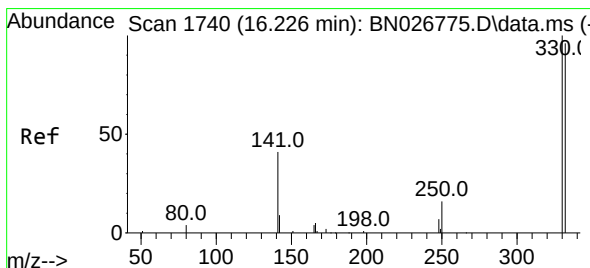
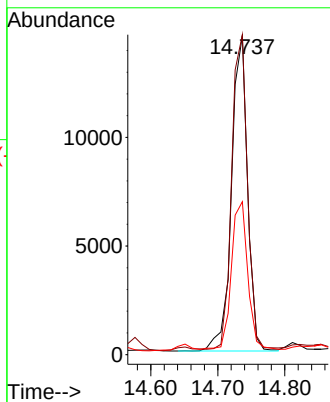
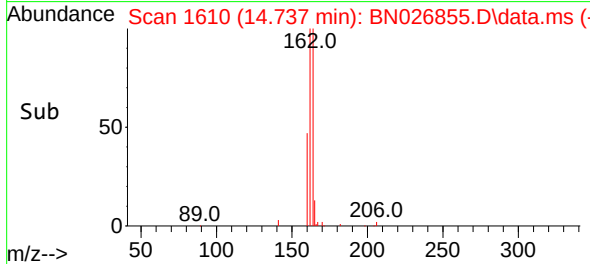
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-9-(5-10)



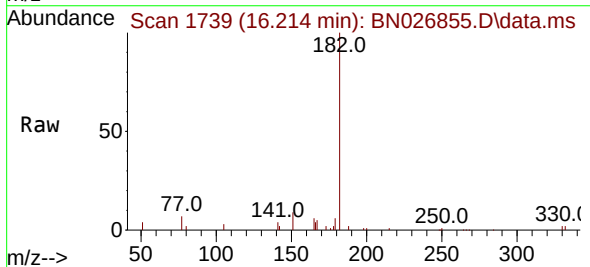
Tgt Ion:164 Resp: 24140
Ion Ratio Lower Upper
164 100
162 100.4 83.0 124.6
160 48.0 40.8 61.2

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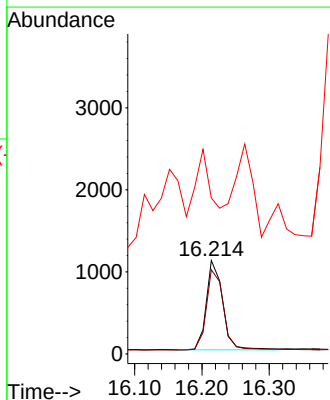
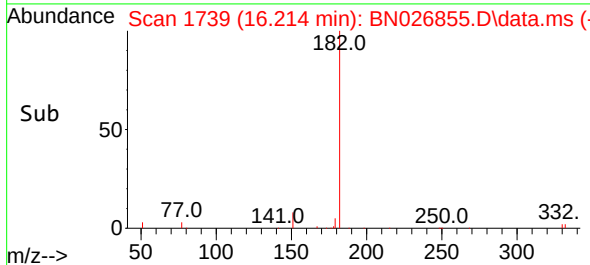
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

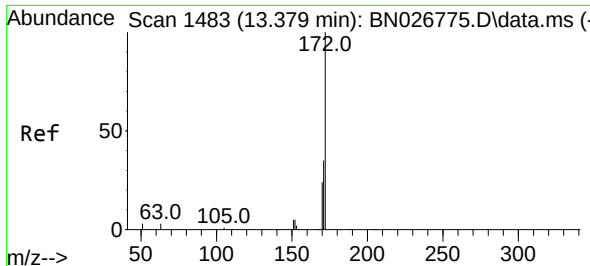


#14
2,4,6-Tribromophenol
Concen: 0.224 ng
RT: 16.214 min Scan# 1739
Delta R.T. -0.013 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32



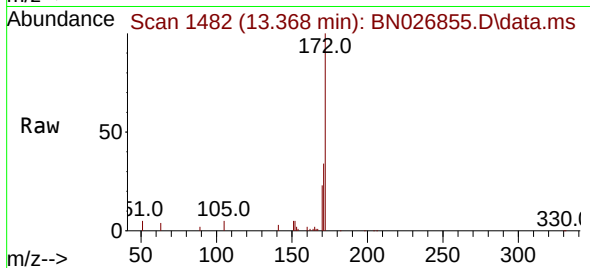
Tgt Ion:330 Resp: 1840
Ion Ratio Lower Upper
330 100
332 94.0 77.8 116.6
141 64.9 34.8 52.2#





#15
2-Fluorobiphenyl
Concen: 0.229 ng
RT: 13.368 min Scan# 1482
Delta R.T. -0.000 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32

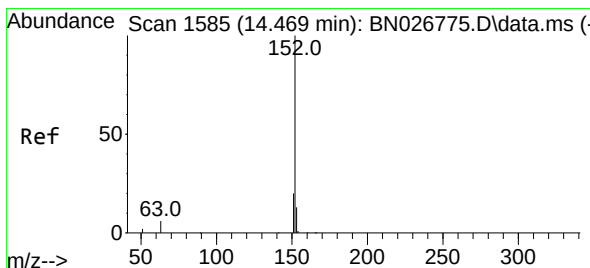
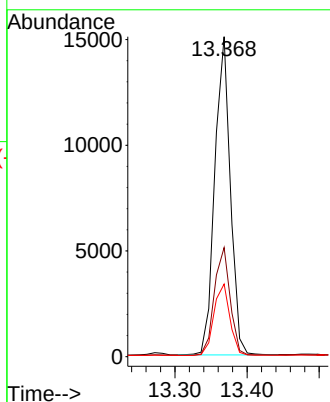
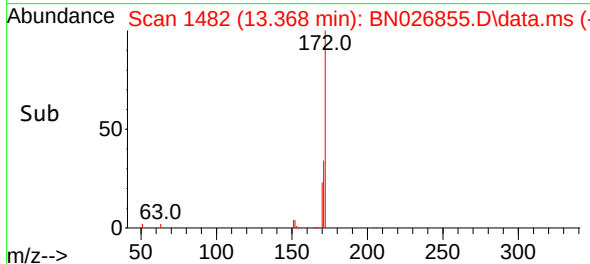
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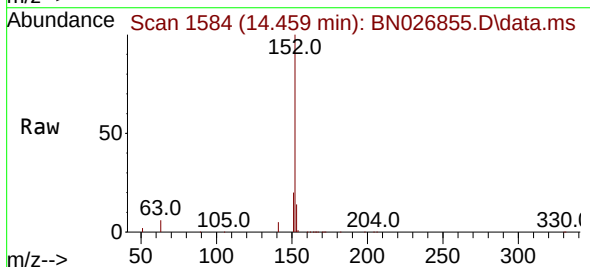
Tgt Ion:172 Resp: 22540
Ion Ratio Lower Upper
172 100
171 34.1 28.0 42.0
170 22.7 19.2 28.8

Manual Integrations
APPROVED

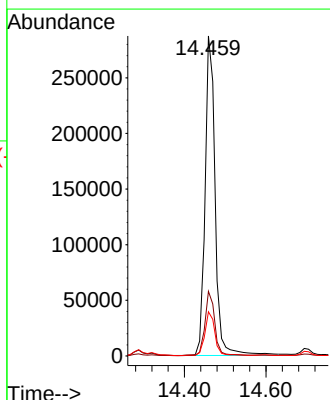
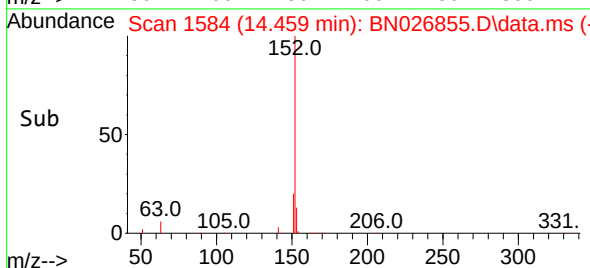
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

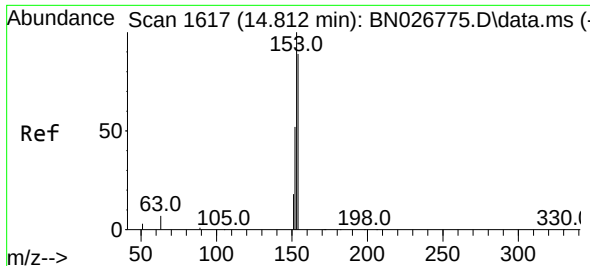


#16
Acenaphthylene
Concen: 4.149 ng
RT: 14.459 min Scan# 1584
Delta R.T. -0.011 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32



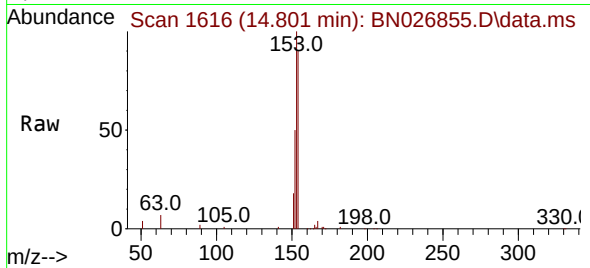
Tgt Ion:152 Resp: 495186
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.8 10.5 15.7





#17
Acenaphthene
Concen: 1.565 ng
RT: 14.801 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32

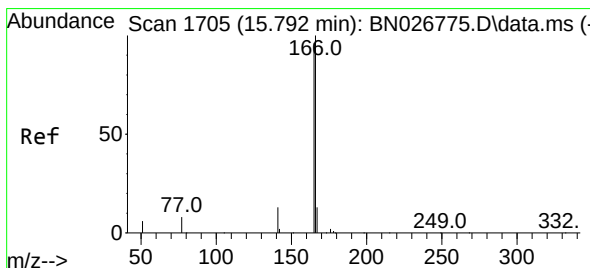
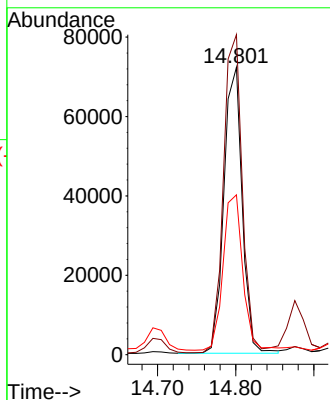
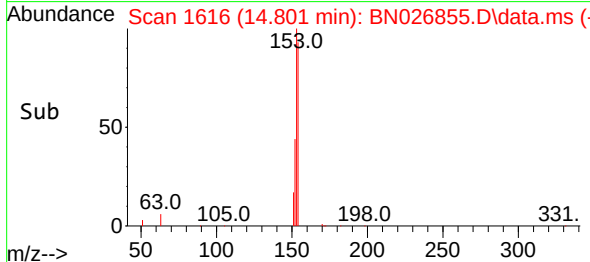
Instrument :
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ClientSampleId :
BUILDING-B-9-(5-10)



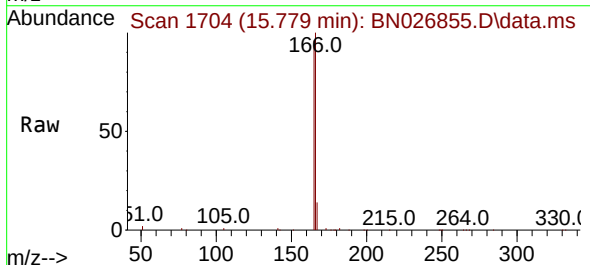
Tgt Ion:154 Resp: 117214
Ion Ratio Lower Upper
154 100
153 113.8 90.0 135.0
152 58.4 48.6 73.0

Manual Integrations
APPROVED

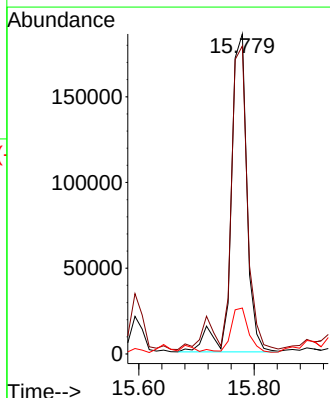
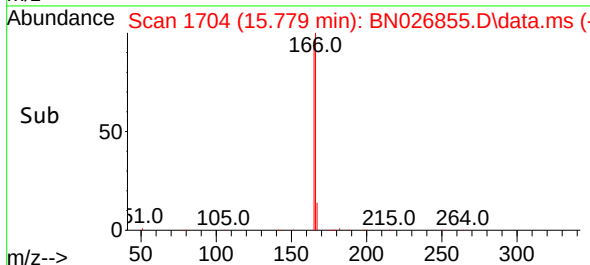
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

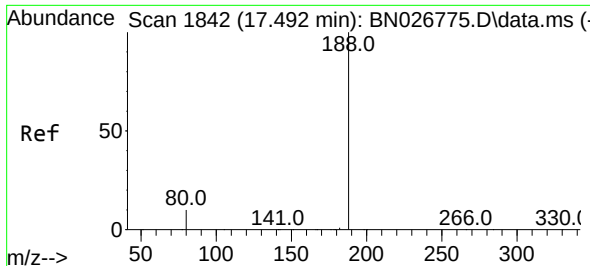


#18
Fluorene
Concen: 3.641 ng
RT: 15.779 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32



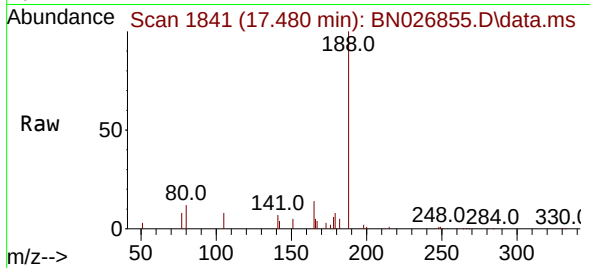
Tgt Ion:166 Resp: 354913
Ion Ratio Lower Upper
166 100
165 92.7 79.0 118.6
167 15.0 10.9 16.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.480 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32

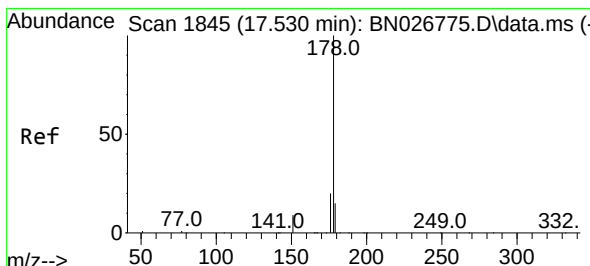
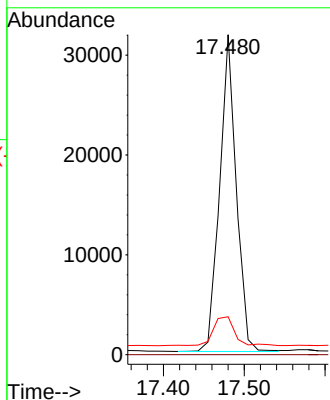
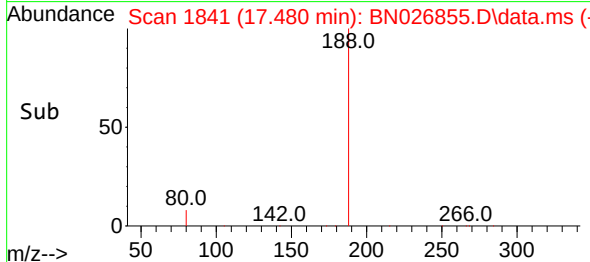
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-9-(5-10)



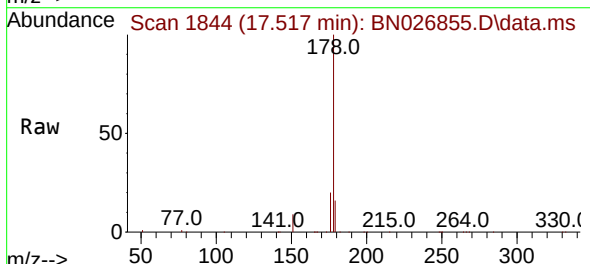
Tgt Ion:188 Resp: 4554
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.8 8.0 12.0

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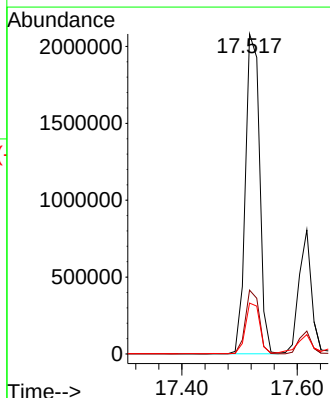
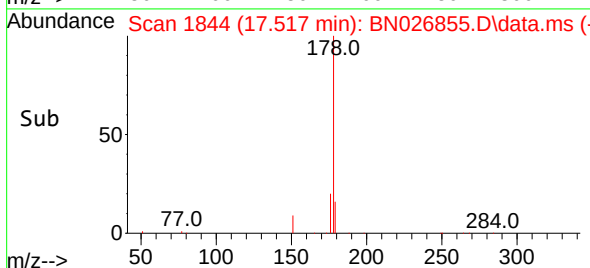
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

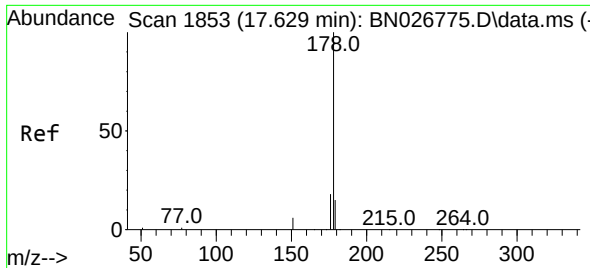


#25
Phenanthrene
Concen: 25.618 ng
RT: 17.517 min Scan# 1844
Delta R.T. -0.013 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32



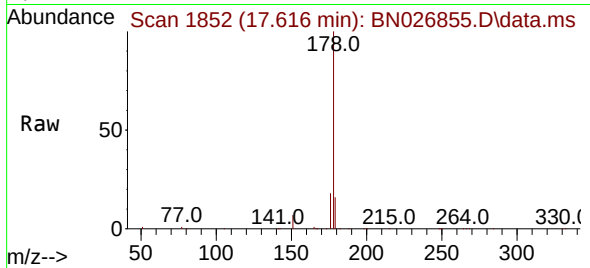
Tgt Ion:178 Resp: 3543439
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 16.3 12.2 18.2





#26
 Anthracene
 Concen: 9.928 ng
 RT: 17.616 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN026855.D
 Acq: 08 Aug 2023 20:32

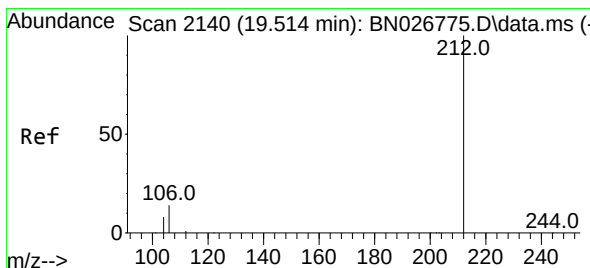
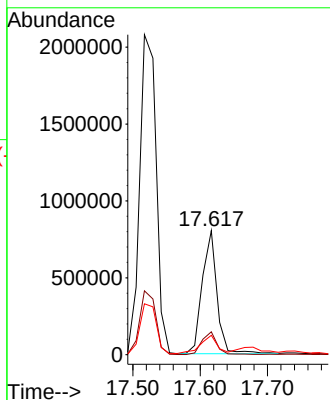
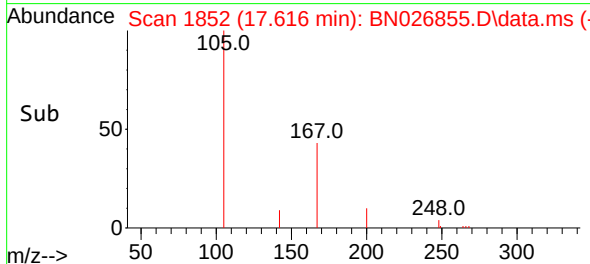
Instrument :
 BNA_N
 ClientSampleId :
 BUILDING-B-9-(5-10)



Tgt Ion:178 Resp: 1227033
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.9 22.3
 179 15.9 12.2 18.2

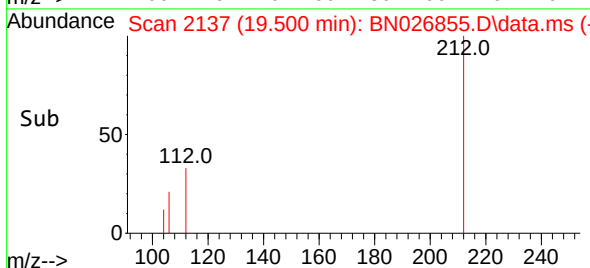
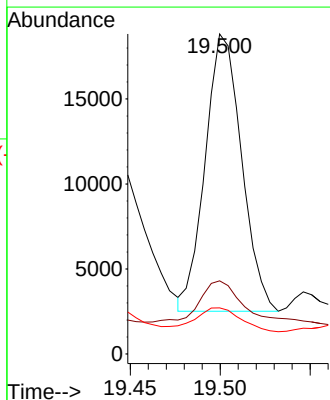
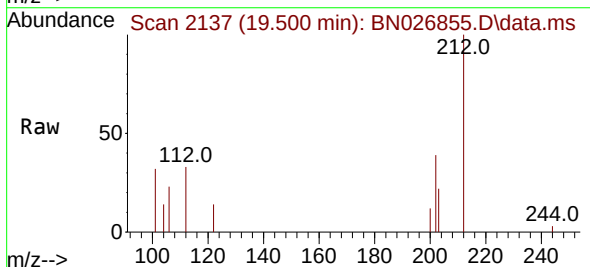
Manual Integrations
 APPROVED

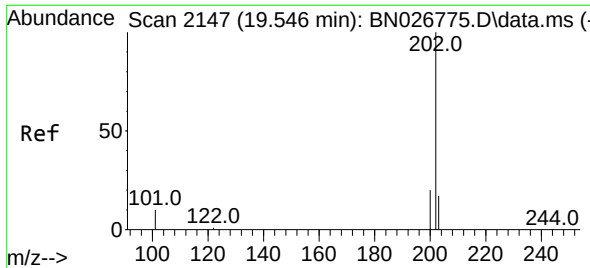
Reviewed By :Yogesh Patel 08/09/2023
 Supervised By :mohammad ahmed 08/09/2023



#27
 Fluoranthene-d10
 Concen: 0.210 ng
 RT: 19.500 min Scan# 2137
 Delta R.T. -0.005 min
 Lab File: BN026855.D
 Acq: 08 Aug 2023 20:32

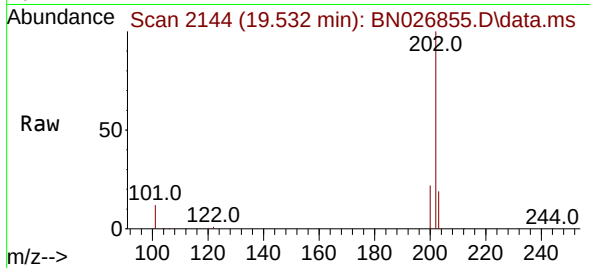
Tgt Ion:212 Resp: 22975
 Ion Ratio Lower Upper
 212 100
 106 20.4 11.7 17.5#
 104 10.7 6.4 9.6#





#28
Fluoranthene
Concen: 33.623 ng
RT: 19.532 min Scan# 2144
Delta R.T. -0.000 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32

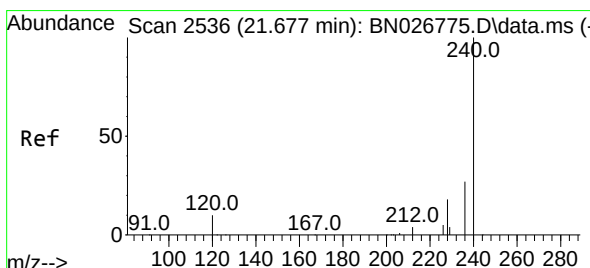
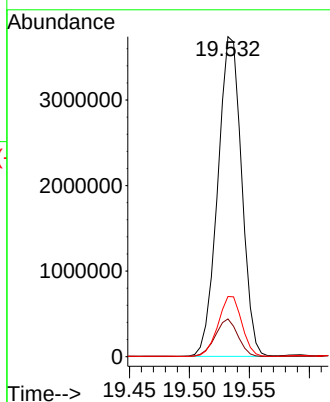
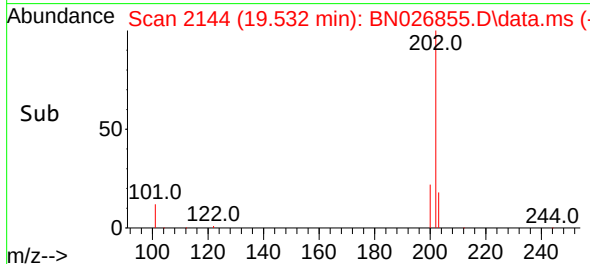
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-9-(5-10)



Tgt Ion:202 Resp: 517840
Ion Ratio Lower Upper
202 100
101 11.2 9.2 13.8
203 18.5 13.7 20.5

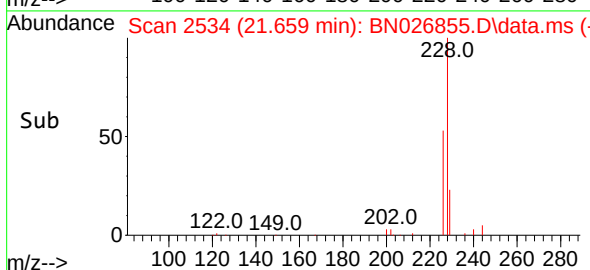
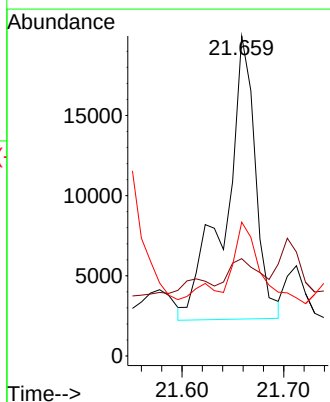
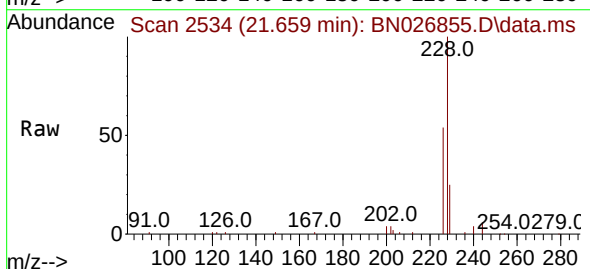
Manual Integrations
APPROVED

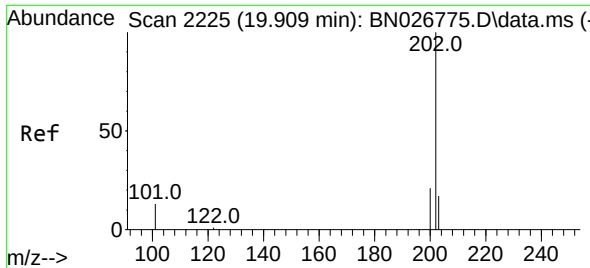
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.659 min Scan# 2534
Delta R.T. -0.009 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32

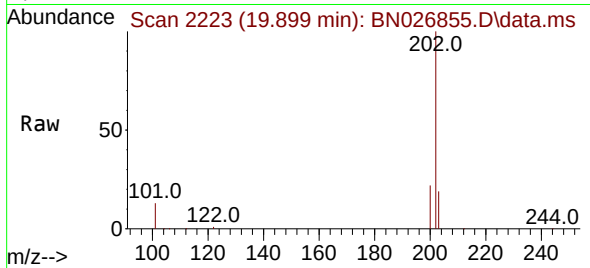
Tgt Ion:240 Resp: 36295
Ion Ratio Lower Upper
240 100
120 30.4 9.2 13.8#
236 41.8 21.9 32.9#





#30
Pyrene
Concen: 34.283 ng
RT: 19.899 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32

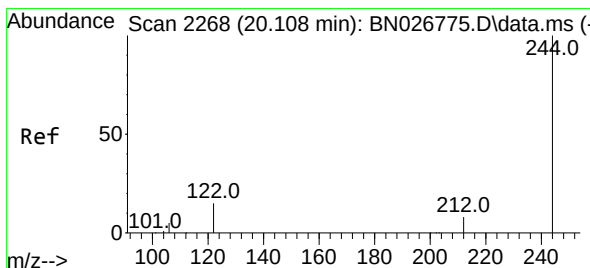
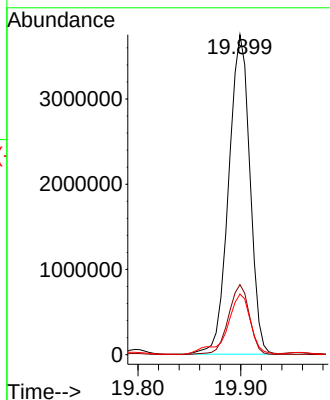
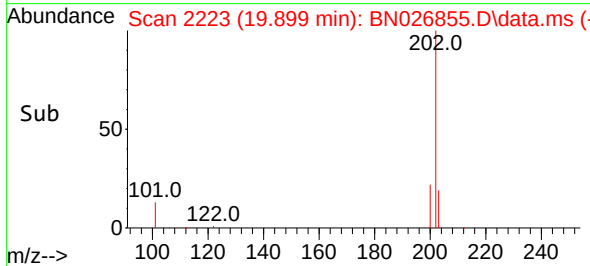
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-9-(5-10)



Tgt Ion:202 Resp: 5376830
Ion Ratio Lower Upper
202 100
200 21.6 16.8 25.2
203 20.8 14.2 21.2

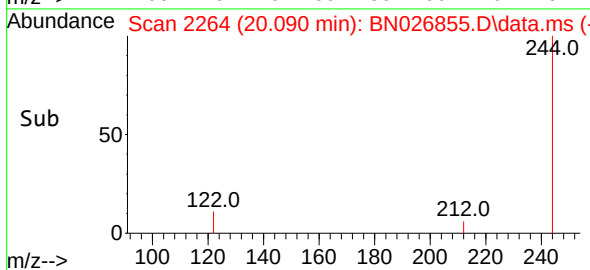
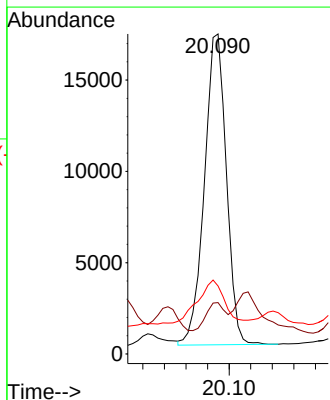
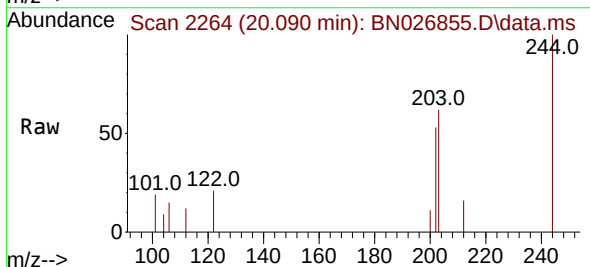
Manual Integrations
APPROVED

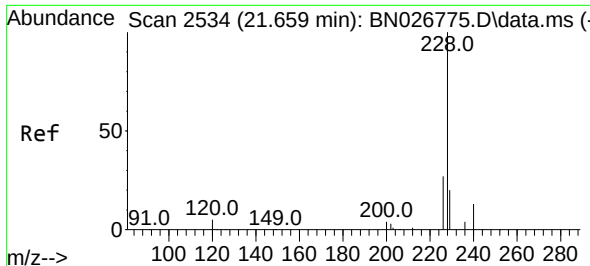
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#31
Terphenyl-d14
Concen: 0.317 ng
RT: 20.090 min Scan# 2264
Delta R.T. -0.005 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32

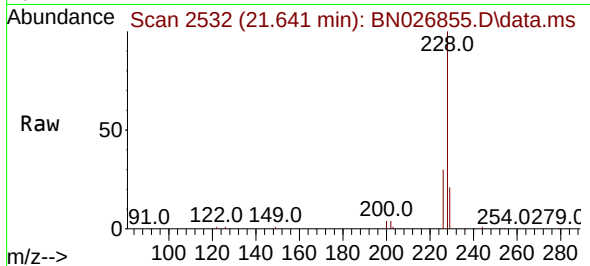
Tgt Ion:244 Resp: 24027
Ion Ratio Lower Upper
244 100
212 16.1 7.0 10.4#
122 21.2 12.3 18.5#





#32
Benzo(a)anthracene
Concen: 24.700 ng
RT: 21.641 min Scan# 2164
Delta R.T. -0.009 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32

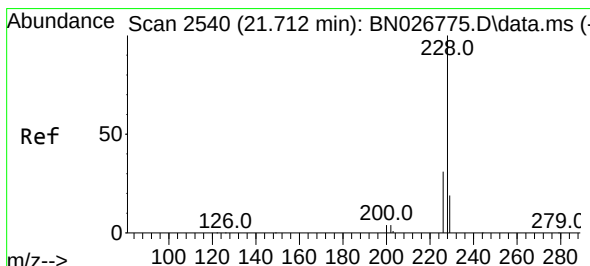
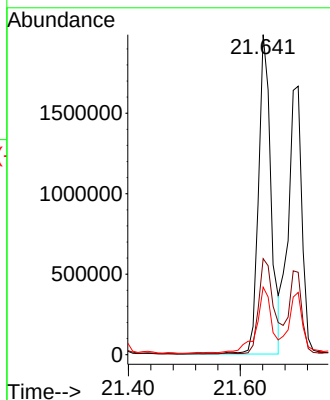
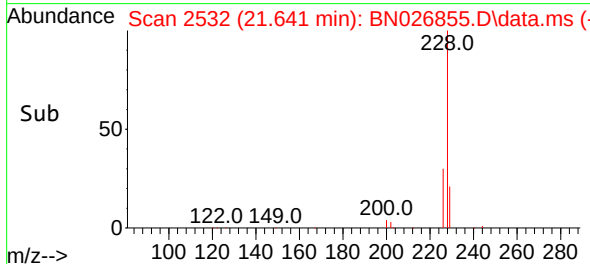
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-9-(5-10)



Tgt Ion:228 Resp: 307854
Ion Ratio Lower Upper
228 100
226 30.0 21.9 32.9
229 21.1 15.8 23.8

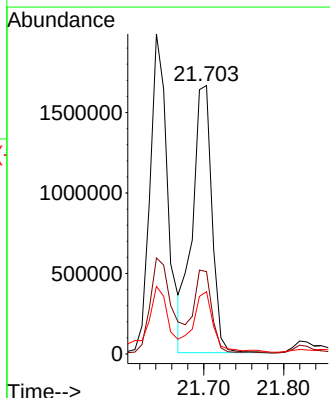
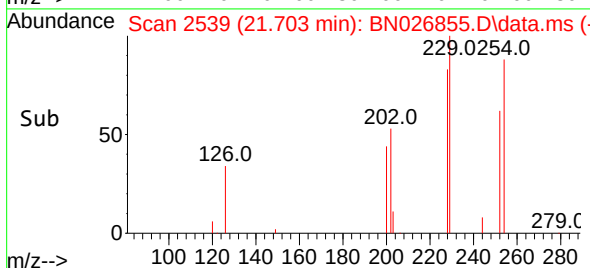
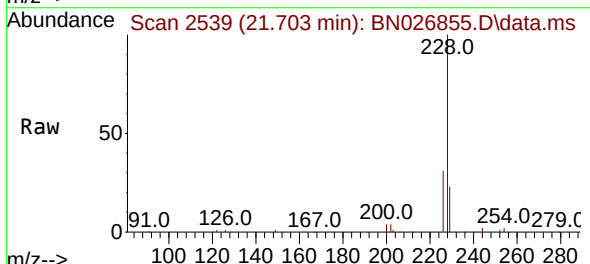
Manual Integrations
APPROVED

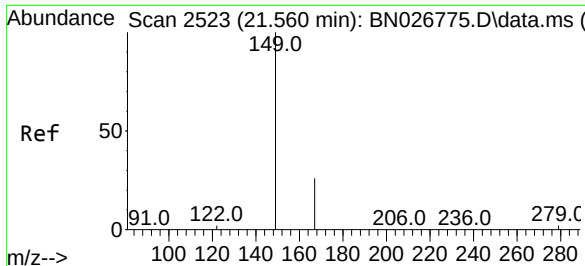
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#33
Chrysene
Concen: 20.539 ng
RT: 21.703 min Scan# 2539
Delta R.T. -0.000 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32

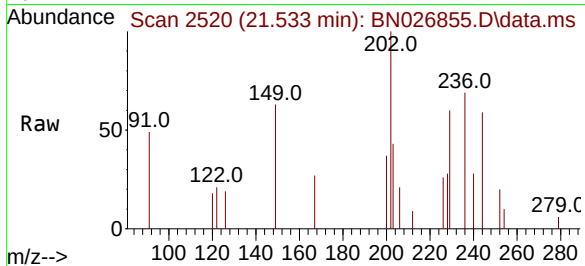
Tgt Ion:228 Resp: 2829913
Ion Ratio Lower Upper
228 100
226 30.7 24.6 36.8
229 23.2 15.4 23.2#





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.298 ng
RT: 21.533 min Scan# 211
Delta R.T. -0.009 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32

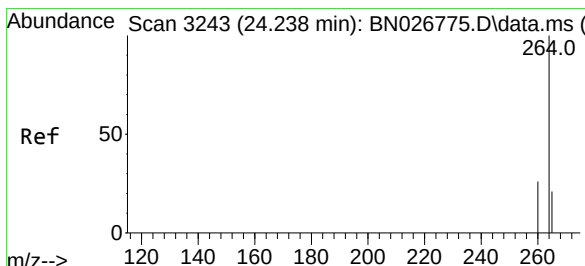
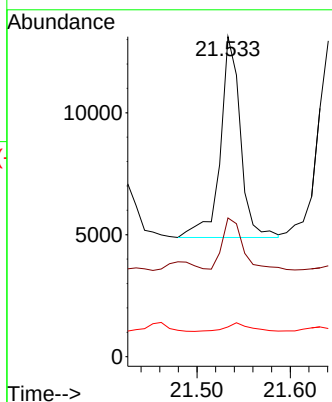
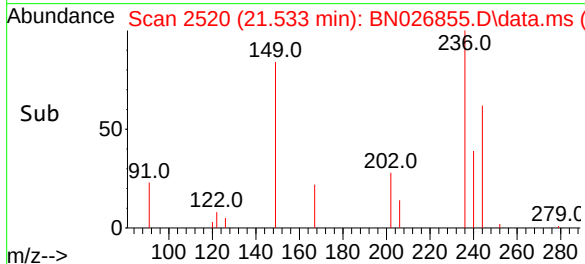
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-9-(5-10)



Tgt Ion:149 Resp: 1228
Ion Ratio Lower Upper
149 100
167 26.1 20.8 31.2
279 5.0 2.4 3.6

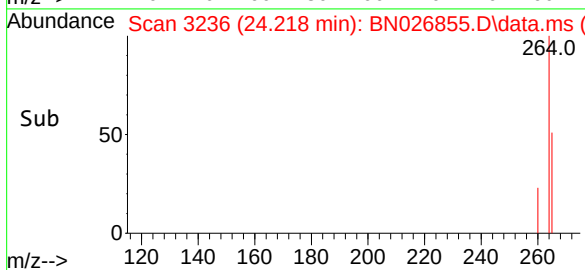
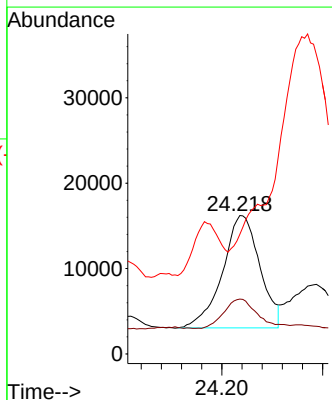
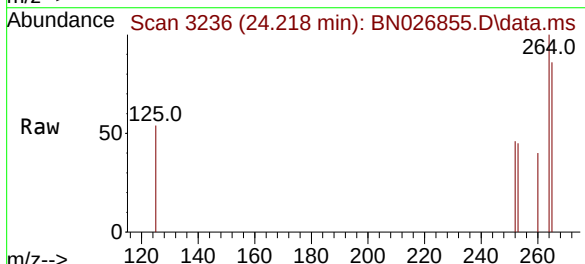
Manual Integrations
APPROVED

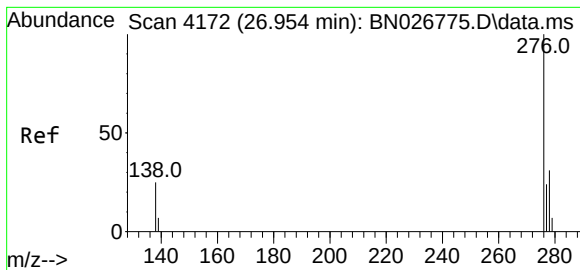
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.218 min Scan# 3236
Delta R.T. -0.009 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32

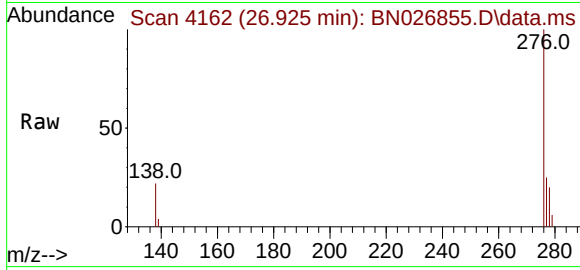
Tgt Ion:264 Resp: 33851
Ion Ratio Lower Upper
264 100
260 39.6 21.0 31.6#
265 86.4 22.6 33.8#





#36
Indeno(1,2,3-cd)pyrene
Concen: 10.100 ng
RT: 26.925 min Scan# 4172
Delta R.T. -0.006 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32

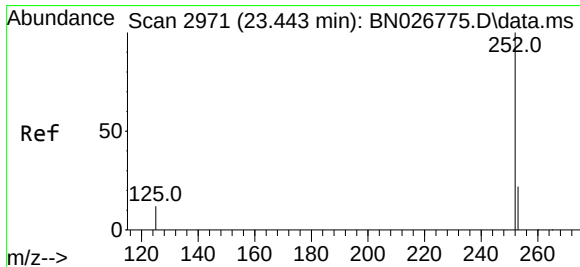
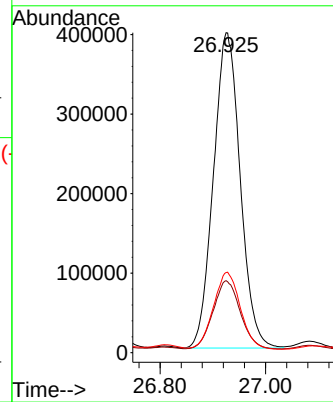
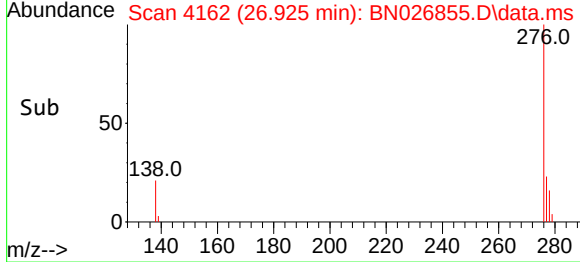
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-9-(5-10)



Tgt Ion:276 Resp: 139514
Ion Ratio Lower Upper
276 100
138 22.1 22.8 34.2
277 24.5 19.9 29.9

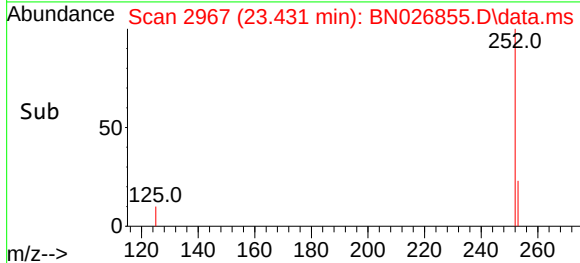
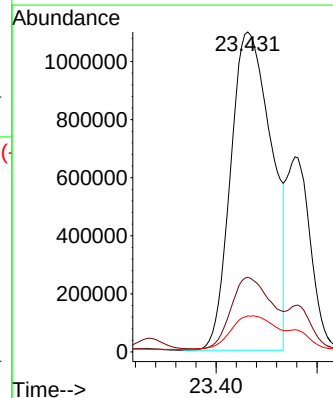
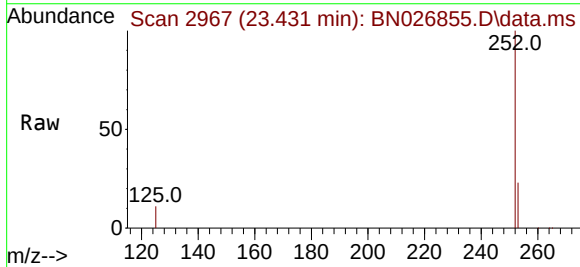
Manual Integrations
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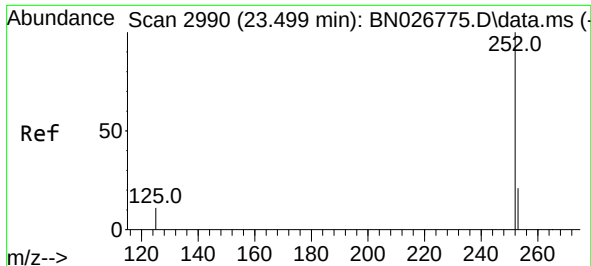
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#37
Benzo(b)fluoranthene
Concen: 23.213 ng
RT: 23.431 min Scan# 2967
Delta R.T. -0.000 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32

Tgt Ion:252 Resp: 3091782
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 11.2 10.8 16.2





#38

Benzo(k)fluoranthene

Concen: 8.118 ng m

RT: 23.478 min Scan# 2990

Delta R.T. -0.006 min

Lab File: BN026855.D

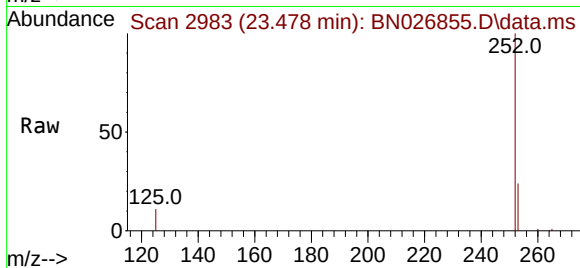
Acq: 08 Aug 2023 20:32

Instrument :

BNA_N

ClientSampleId :

BUILDING-B-9-(5-10)



Tgt Ion:252 Resp: 1110919

Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

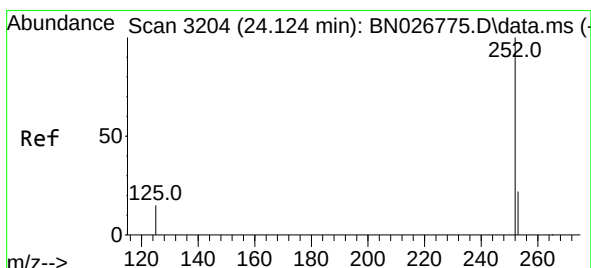
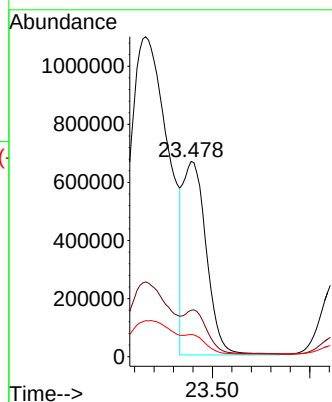
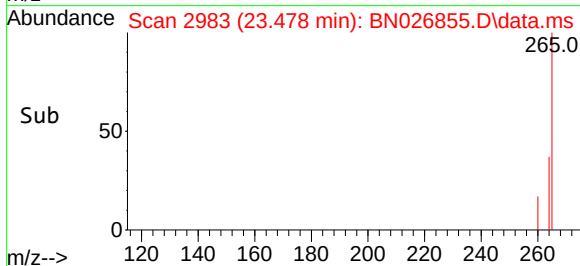
125 11.4 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/09/2023

Supervised By :mohammad ahmed 08/09/2023



#39

Benzo(a)pyrene

Concen: 19.159 ng m

RT: 24.104 min Scan# 3197

Delta R.T. -0.006 min

Lab File: BN026855.D

Acq: 08 Aug 2023 20:32

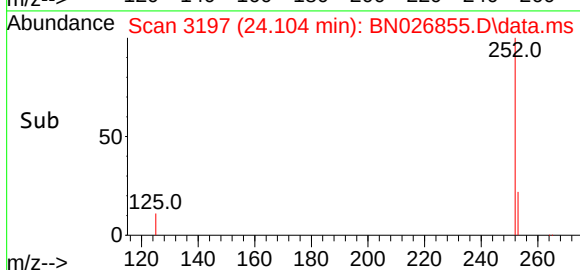
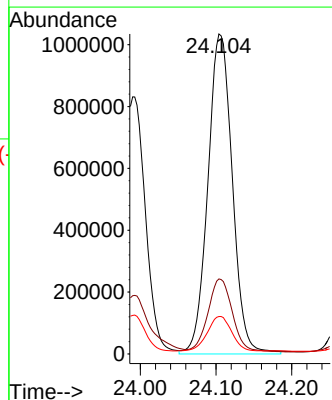
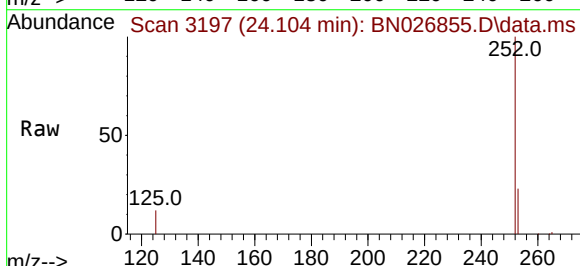
Tgt Ion:252 Resp: 2327059

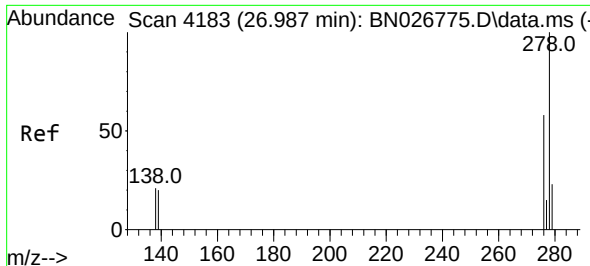
Ion Ratio Lower Upper

252 100

253 23.4 18.5 27.7

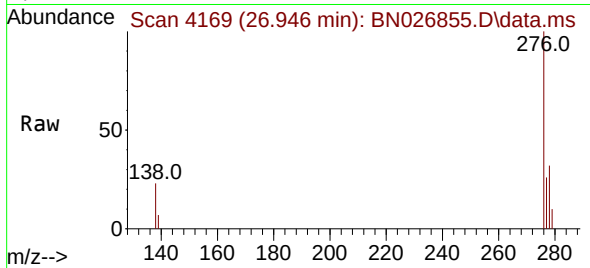
125 11.7 12.7 19.1#





#40
Dibenzo(a,h)anthracene
Concen: 3.683 ng
RT: 26.946 min Scan# 41
Delta R.T. -0.021 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32

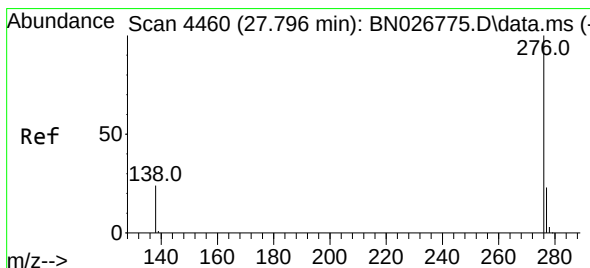
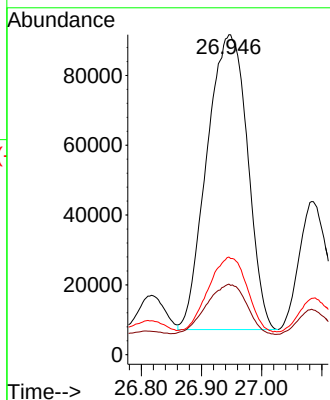
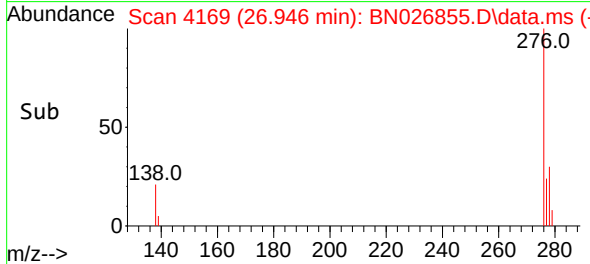
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-9-(5-10)



Tgt Ion:278 Resp: 395180
Ion Ratio Lower Upper
278 100
139 22.1 16.8 25.2
279 30.5 19.5 29.3

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 10.810 ng
RT: 27.767 min Scan# 4450
Delta R.T. -0.003 min
Lab File: BN026855.D
Acq: 08 Aug 2023 20:32

Tgt Ion:276 Resp: 1372898
Ion Ratio Lower Upper
276 100
277 24.5 19.1 28.7
138 22.7 19.8 29.6

