

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080923\
 Data File : BN026856.D
 Acq On : 08 Aug 2023 21:09
 Operator : MA/JU
 Sample : 03862-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BUILDING-B-15-(5-10)

Manual Integrations
 APPROVED

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

Quant Time: Aug 09 01:12:51 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	11175	0.400	ng	0.00
7) Naphthalene-d8	10.938	136	35539	0.400	ng	0.00
13) Acenaphthene-d10	14.736	164	22628	0.400	ng	0.00
19) Phenanthrene-d10	17.480	188	49612	0.400	ng	# 0.00
29) Chrysene-d12	21.658	240	34572	0.400	ng	# 0.00
35) Perylene-d12	24.220	264	34831	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.617	112	8010	0.283	ng	0.00
5) Phenol-d6	7.235	99	8590	0.234	ng	0.00
8) Nitrobenzene-d5	9.294	82	4467	0.212	ng	0.00
11) 2-Methylnaphthalene-d10	12.509	152	10455	0.205	ng	0.00
14) 2,4,6-Tribromophenol	16.226	330	1895	0.246	ng	0.00
15) 2-Fluorobiphenyl	13.368	172	16199	0.175	ng	0.00
27) Fluoranthene-d10	19.504	212	21484	0.180	ng	0.00
31) Terphenyl-d14	20.094	244	18787	0.261	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.991	128	286408	2.931	ng	99
12) 2-Methylnaphthalene	12.585	142	91590	1.373	ng	99
16) Acenaphthylene	14.469	152	751978	6.723	ng	100
17) Acenaphthene	14.801	154	41200	0.587	ng	98
18) Fluorene	15.779	166	110743	1.212	ng	85
25) Phenanthrene	17.529	178	1542974	10.240	ng	100
26) Anthracene	17.616	178	685867	5.094	ng	99
28) Fluoranthene	19.537	202	2719774	16.211	ng	98
30) Pyrene	19.904	202	3280936	21.962	ng	97
32) Benzo(a)anthracene	21.640	228	1687607	14.215	ng	95
33) Chrysene	21.703	228	1494369	11.386	ng	96
34) Bis(2-ethylhexyl)phtha...	21.533	149	9615	0.244	ng	# 95
36) Indeno(1,2,3-cd)pyrene	26.928	276	891490	6.272	ng	# 93
37) Benzo(b)fluoranthene	23.431	252	1663945	12.141	ng	97
38) Benzo(k)fluoranthene	23.478	252	593455m	4.215	ng	
39) Benzo(a)pyrene	24.106	252	1476846m	11.817	ng	
40) Dibenzo(a,h)anthracene	26.948	278	247053m	2.238	ng	
41) Benzo(g,h,i)perylene	27.770	276	955633	7.313	ng	98

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

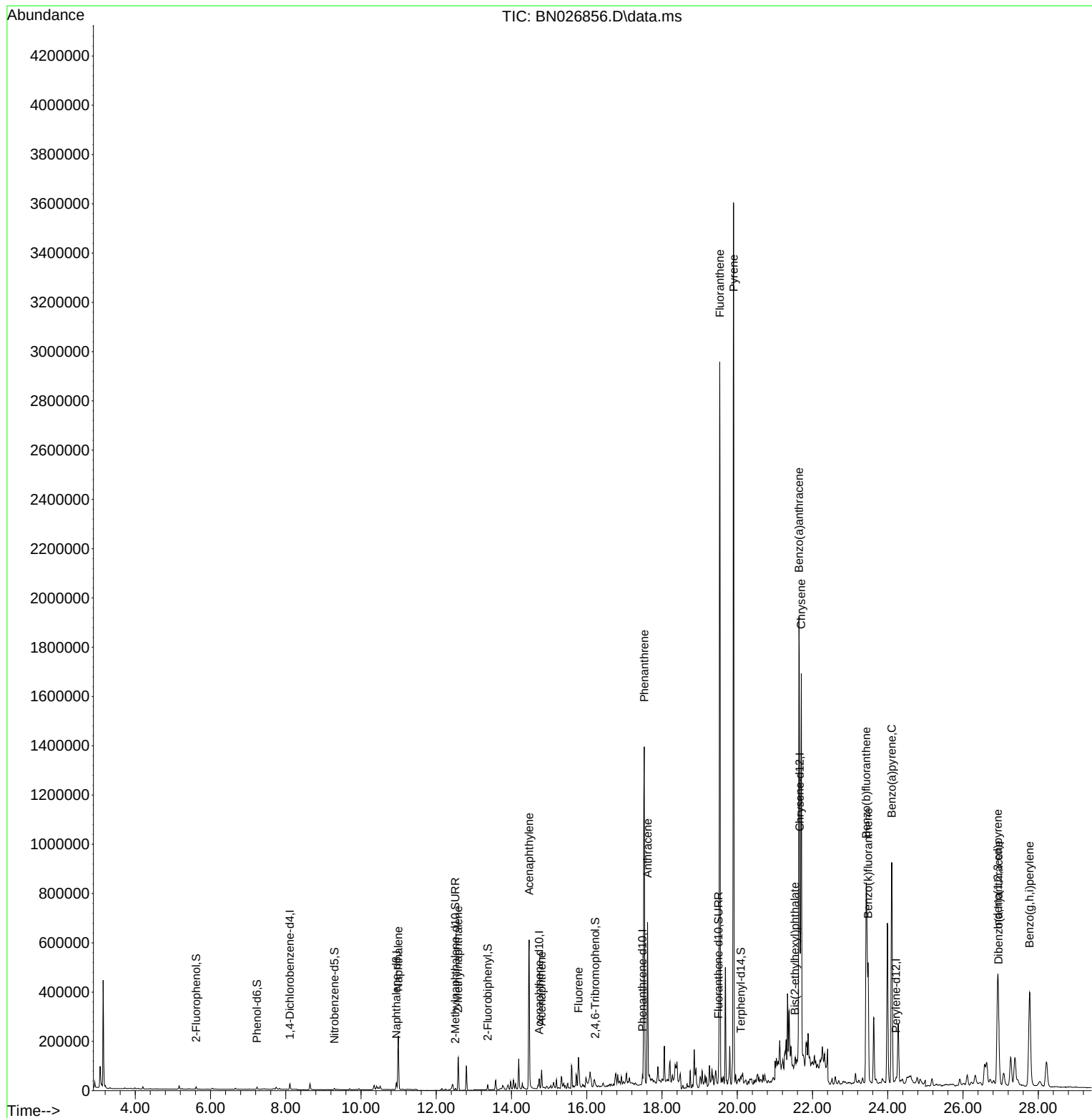
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080923\
Data File : BN026856.D
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Sample : 03862-07
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ALS Vial : 10 Sample Multiplier: 1

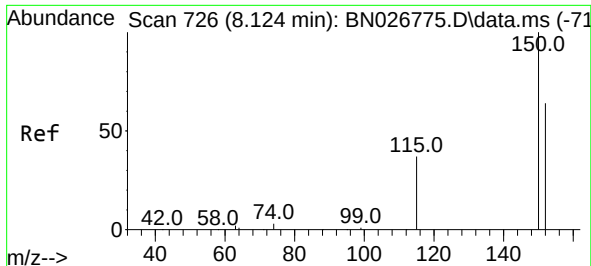
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-15-(5-10)

Quant Time: Aug 09 01:12:51 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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APPROVED

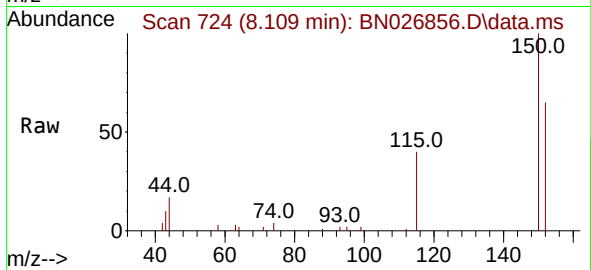
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.109 min Scan# 71
Delta R.T. -0.001 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

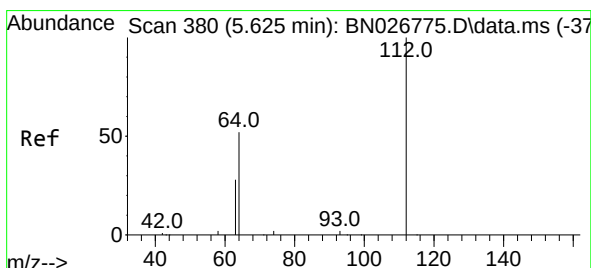
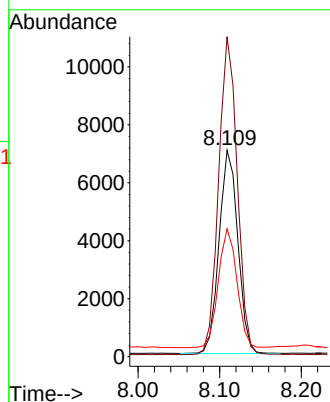
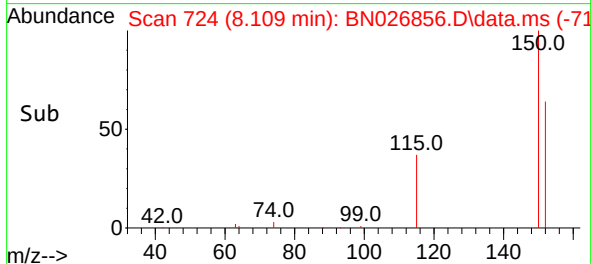
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-15-(5-10)



Tgt Ion:152 Resp: 1117
Ion Ratio Lower Upper
152 100
150 155.0 123.8 185.8
115 61.9 48.0 72.0

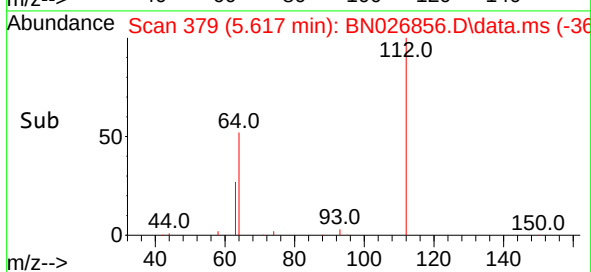
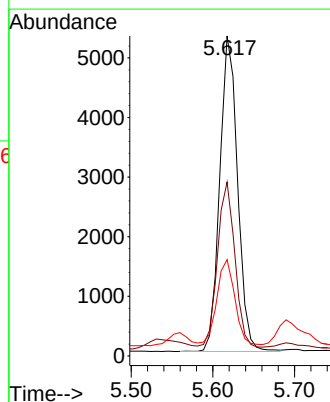
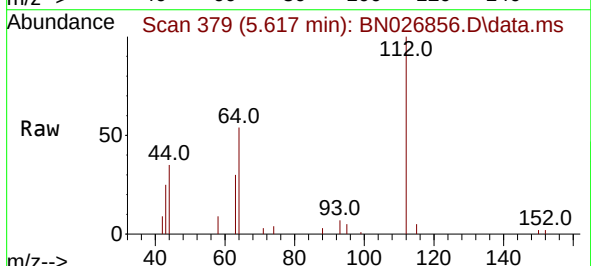
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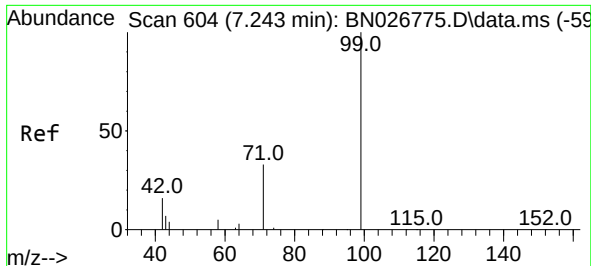
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#4
2-Fluorophenol
Concen: 0.283 ng
RT: 5.617 min Scan# 379
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

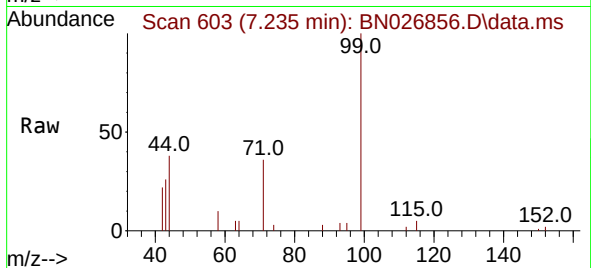
Tgt Ion:112 Resp: 8010
Ion Ratio Lower Upper
112 100
64 50.9 42.2 63.2
63 26.8 22.7 34.1





#5
Phenol-d6
Concen: 0.234 ng
RT: 7.235 min Scan# 604
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

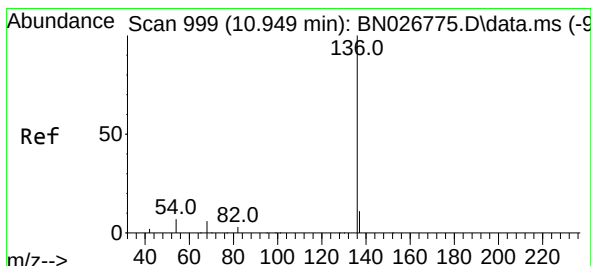
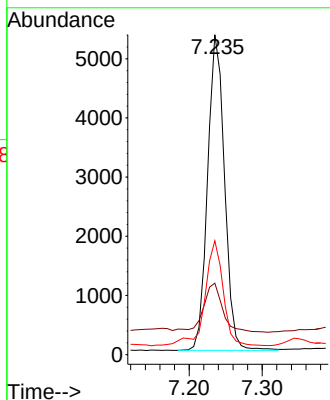
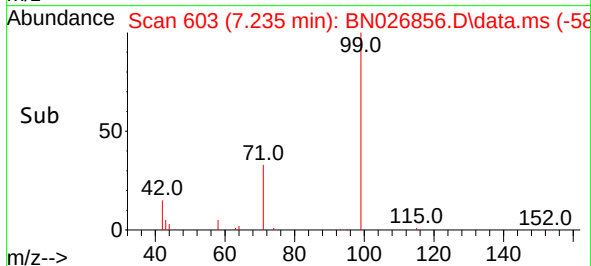
Instrument :
BNA_N
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Tgt Ion: 99 Resp: 8590
Ion Ratio Lower Upper
99 100
42 17.1 14.6 22.0
71 35.6 26.6 40.0

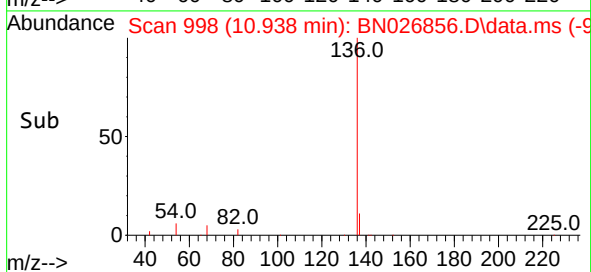
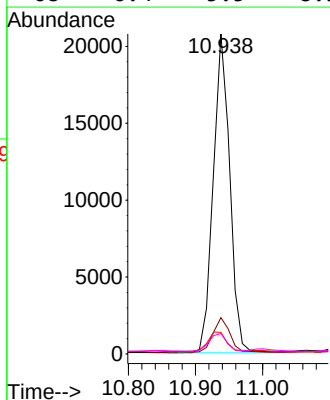
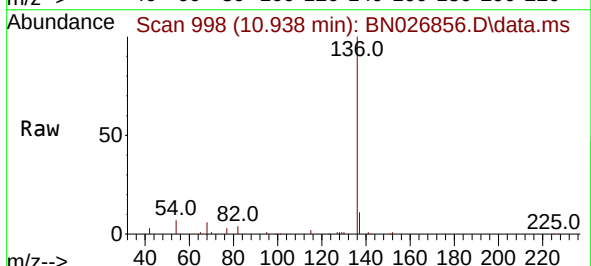
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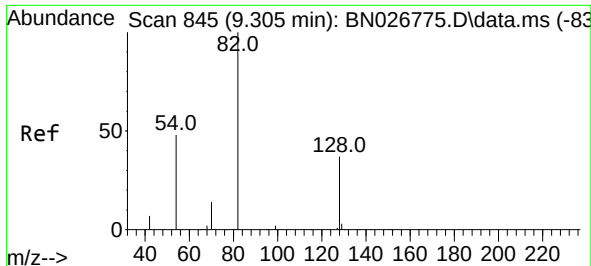
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.938 min Scan# 998
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

Tgt Ion:136 Resp: 35539
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 6.7 6.2 9.2
68 6.4 5.5 8.3





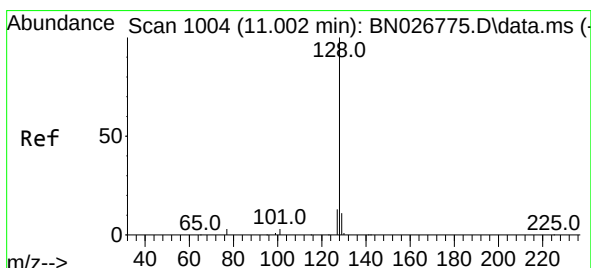
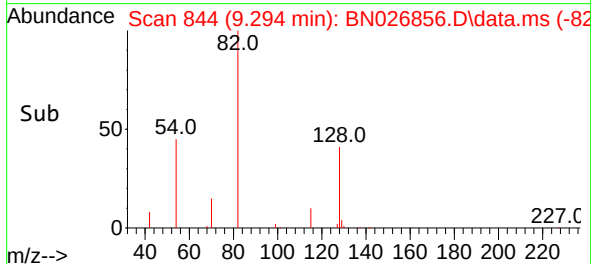
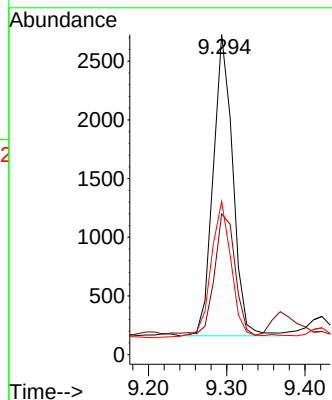
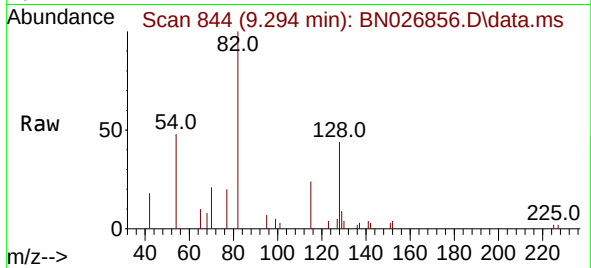
#8
Nitrobenzene-d5
Concen: 0.212 ng
RT: 9.294 min Scan# 845
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

Instrument :
BNA_N
ClientSampleId :
BUILDING-B-15-(5-10)

Tgt Ion: 82 Resp: 446
Ion Ratio Lower Upper
82 100
128 44.0 30.5 45.7
54 47.9 39.4 59.2

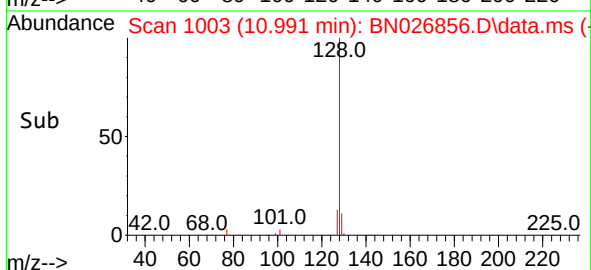
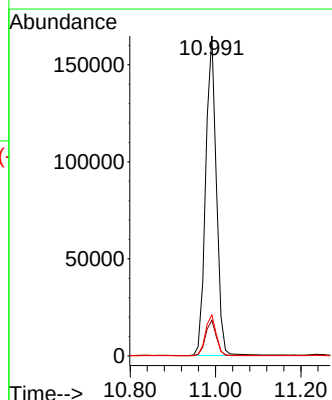
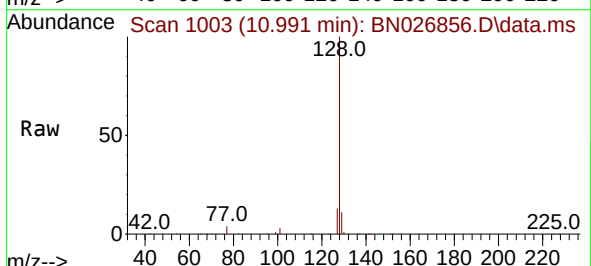
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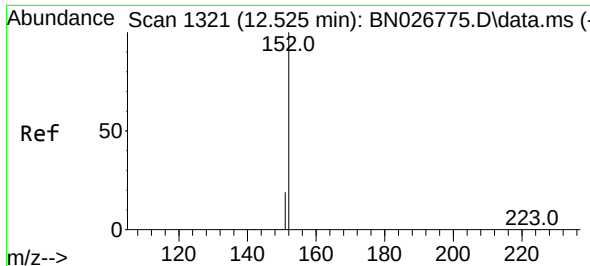
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#9
Naphthalene
Concen: 2.931 ng
RT: 10.991 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

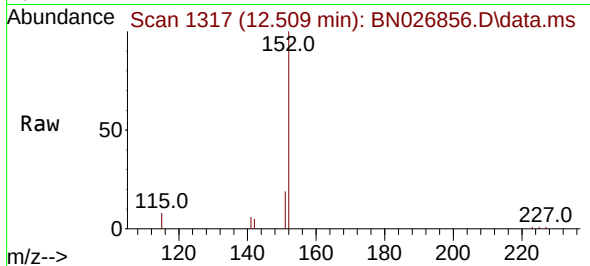
Tgt Ion:128 Resp: 286408
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 12.9 10.6 16.0





#11
2-Methylnaphthalene-d10
Concen: 0.205 ng
RT: 12.509 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

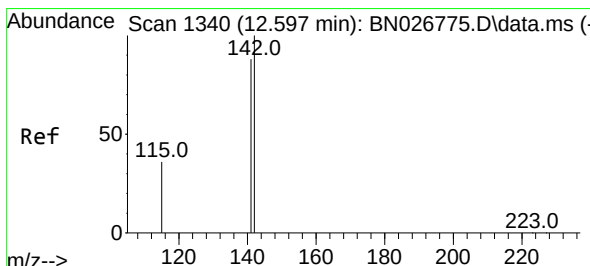
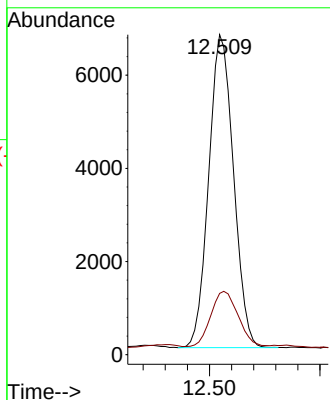
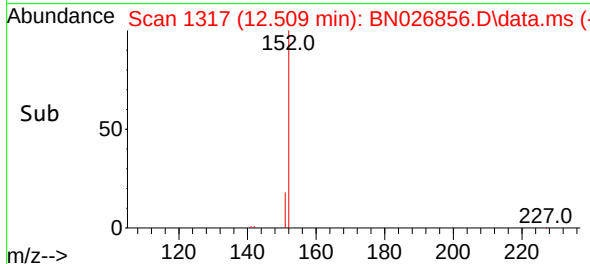
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-15-(5-10)



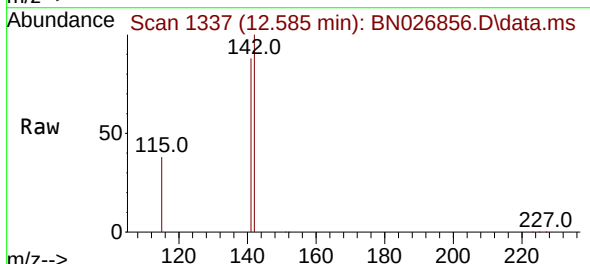
Tgt Ion:152 Resp: 1045
Ion Ratio Lower Upper
152 100
151 19.5 16.5 24.7

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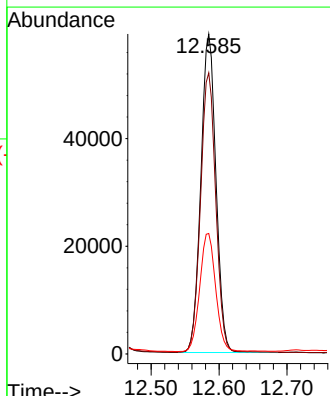
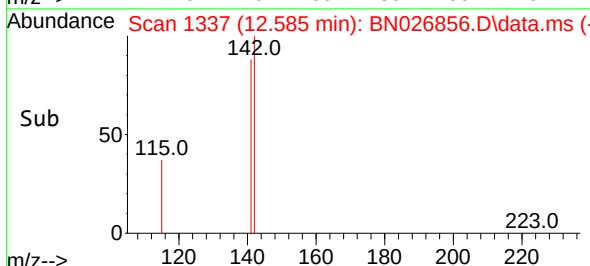
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

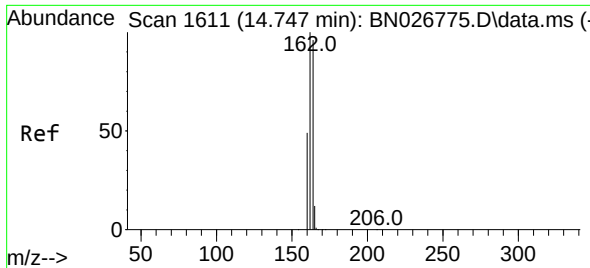


#12
2-Methylnaphthalene
Concen: 1.373 ng
RT: 12.585 min Scan# 1337
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09



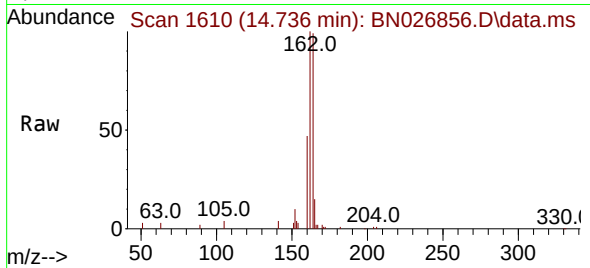
Tgt Ion:142 Resp: 91590
Ion Ratio Lower Upper
142 100
141 87.8 70.3 105.5
115 37.7 29.2 43.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.736 min Scan# 1610
Delta R.T. -0.001 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

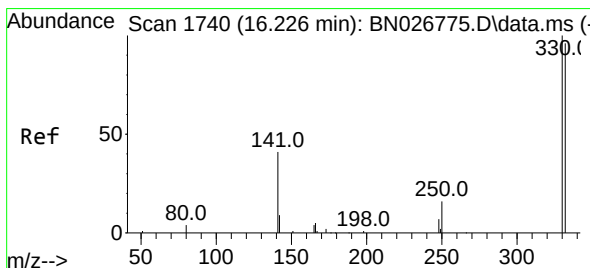
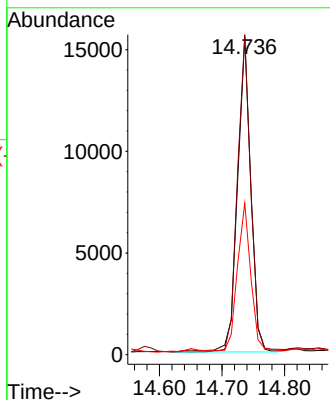
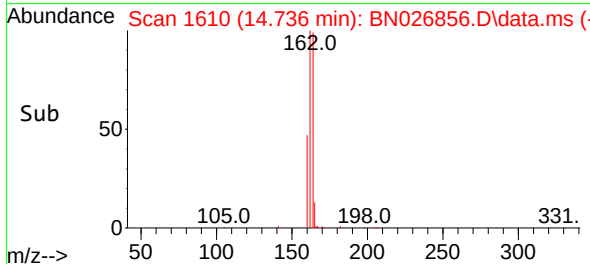
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-15-(5-10)



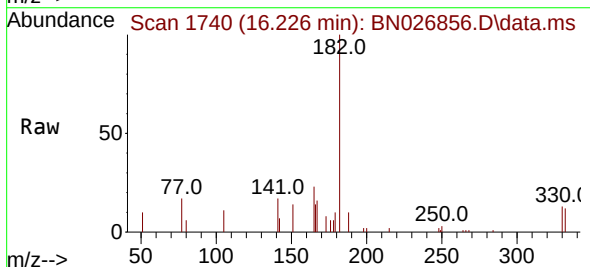
Tgt Ion:164 Resp: 22628
Ion Ratio Lower Upper
164 100
162 100.8 83.0 124.6
160 47.8 40.8 61.2

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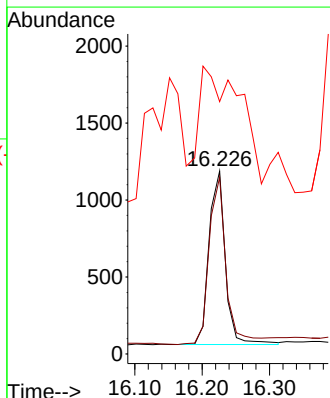
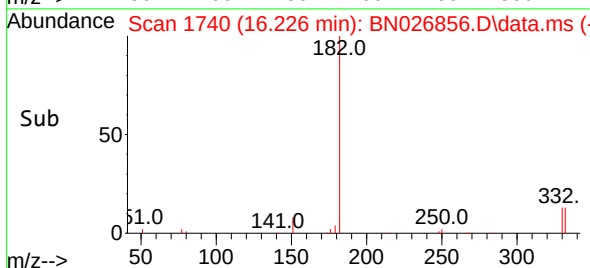
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

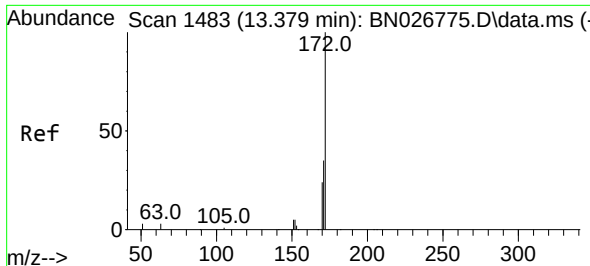


#14
2,4,6-Tribromophenol
Concen: 0.246 ng
RT: 16.226 min Scan# 1740
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09



Tgt Ion:330 Resp: 1895
Ion Ratio Lower Upper
330 100
332 101.1 77.8 116.6
141 0.0 34.8 52.2#





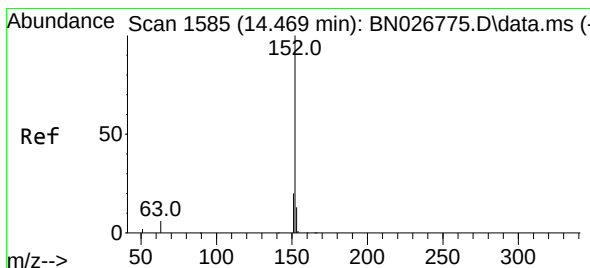
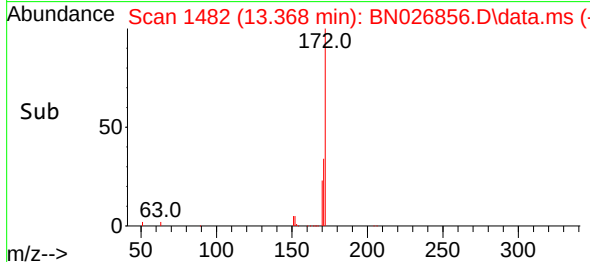
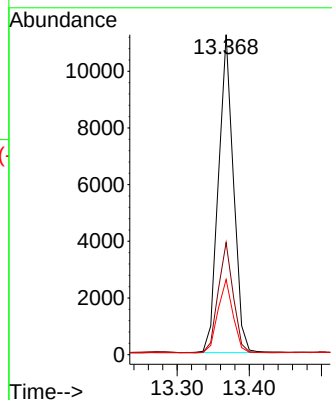
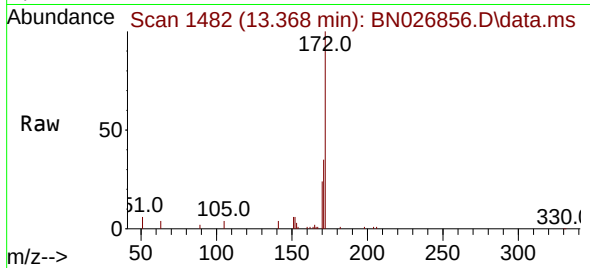
#15
2-Fluorobiphenyl
Concen: 0.175 ng
RT: 13.368 min Scan# 1482
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

Instrument :
BNA_N
ClientSampleId :
BUILDING-B-15-(5-10)

Tgt Ion:172 Resp: 16199
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 23.5 19.2 28.8

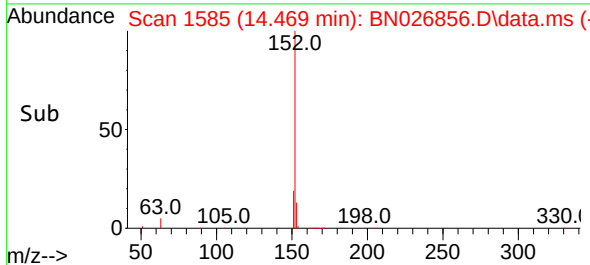
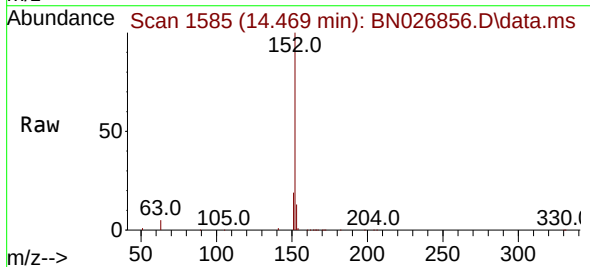
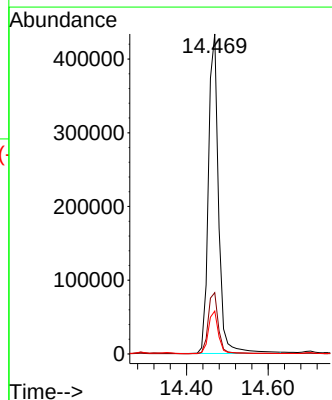
Manual Integrations
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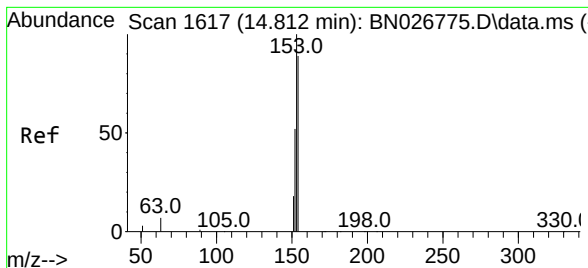
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#16
Acenaphthylene
Concen: 6.723 ng
RT: 14.469 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

Tgt Ion:152 Resp: 751978
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.2 10.5 15.7





#17

Acenaphthene

Concen: 0.587 ng

RT: 14.801 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN026856.D

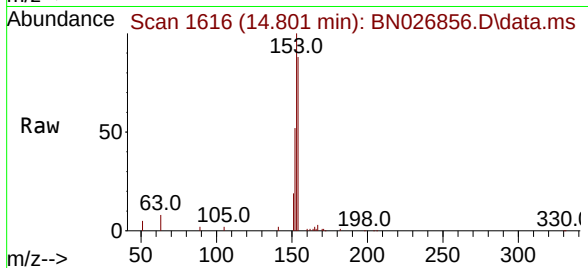
Acq: 08 Aug 2023 21:09

Instrument :

BNA_N

ClientSampleId :

BUILDING-B-15-(5-10)



Tgt Ion:154 Resp: 41200

Ion Ratio Lower Upper

154 100

153 111.4 90.0 135.0

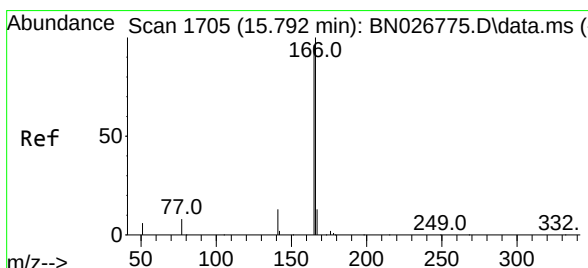
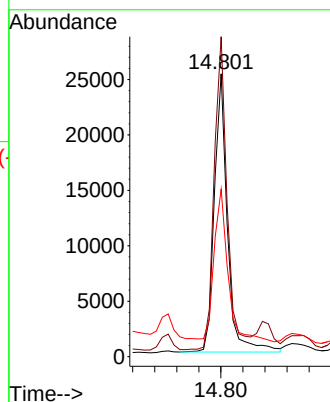
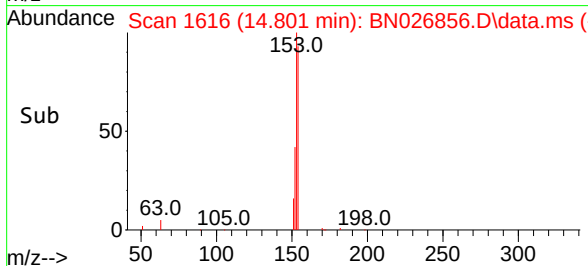
152 58.6 48.6 73.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/09/2023

Supervised By :mohammad ahmed 08/09/2023



#18

Fluorene

Concen: 1.212 ng

RT: 15.779 min Scan# 1704

Delta R.T. -0.000 min

Lab File: BN026856.D

Acq: 08 Aug 2023 21:09

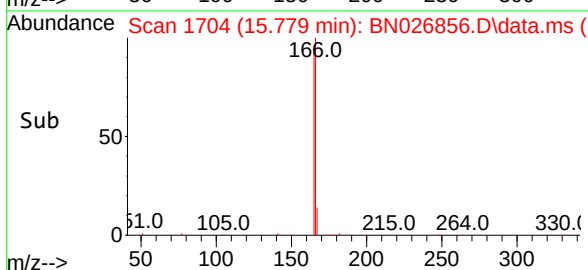
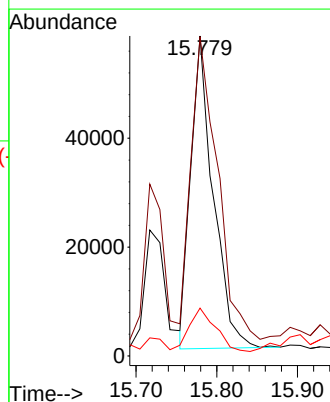
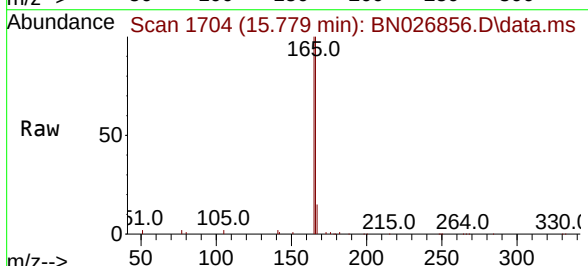
Tgt Ion:166 Resp: 110743

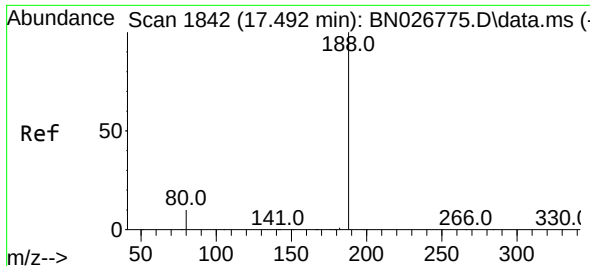
Ion Ratio Lower Upper

166 100

165 114.8 79.0 118.6

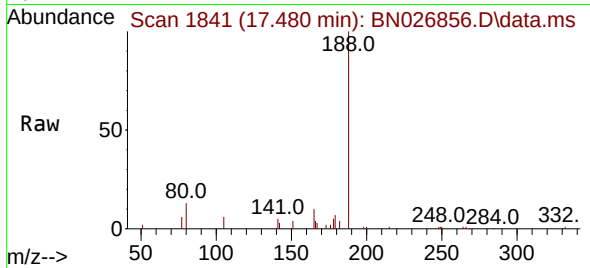
167 16.3 10.9 16.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.480 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

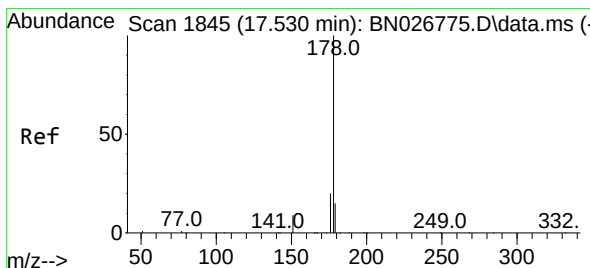
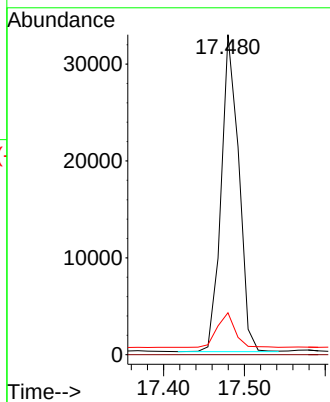
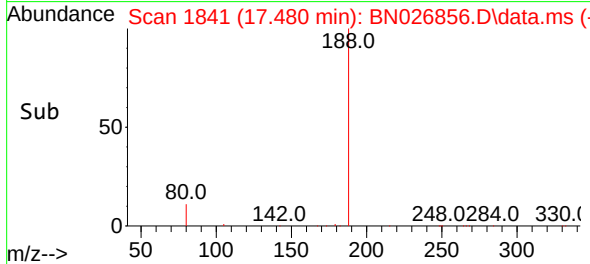
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-15-(5-10)



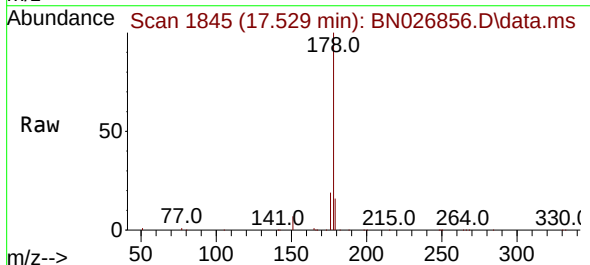
Tgt Ion:188 Resp: 49612
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.1 8.0 12.0

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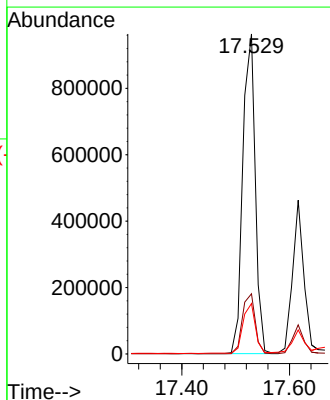
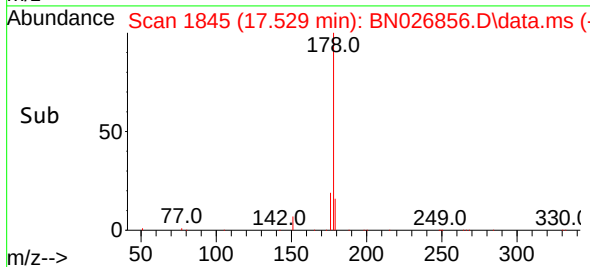
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

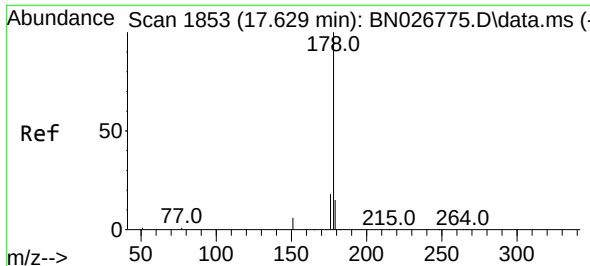


#25
Phenanthrene
Concen: 10.240 ng
RT: 17.529 min Scan# 1845
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09



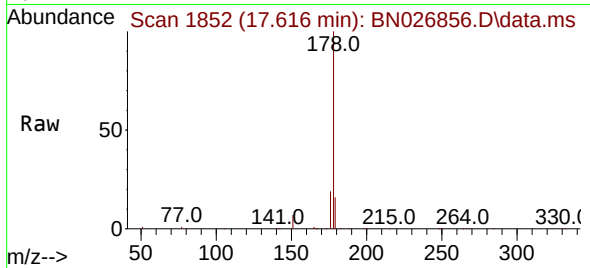
Tgt Ion:178 Resp: 1542974
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.5 12.2 18.2





#26
 Anthracene
 Concen: 5.094 ng
 RT: 17.616 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN026856.D
 Acq: 08 Aug 2023 21:09

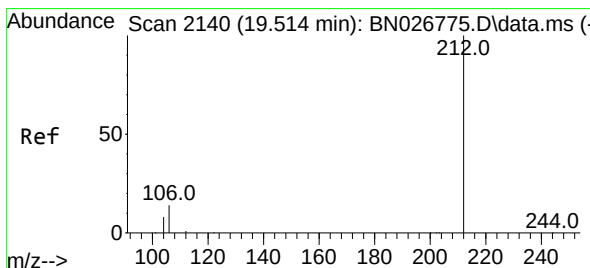
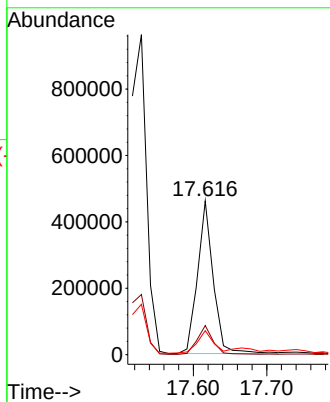
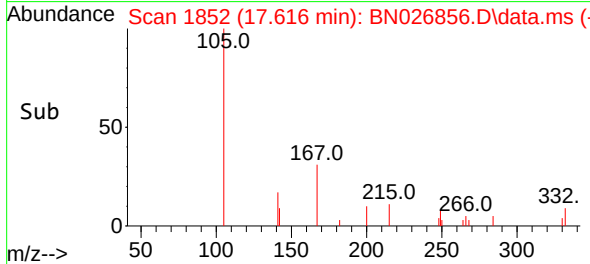
Instrument :
 BNA_N
 ClientSampleId :
 BUILDING-B-15-(5-10)



Tgt Ion:178 Resp: 68586
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.9 22.3
 179 16.0 12.2 18.2

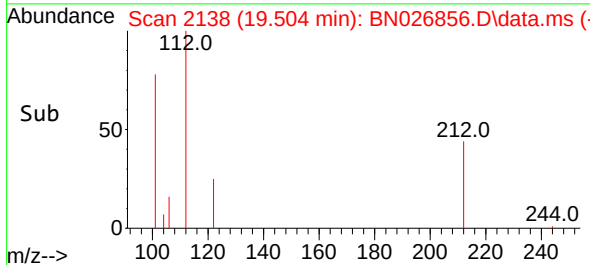
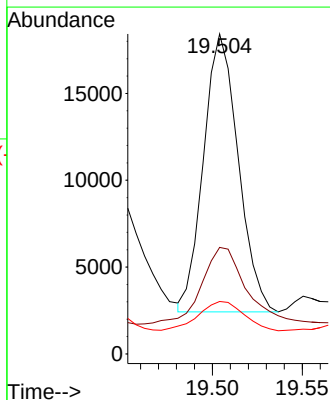
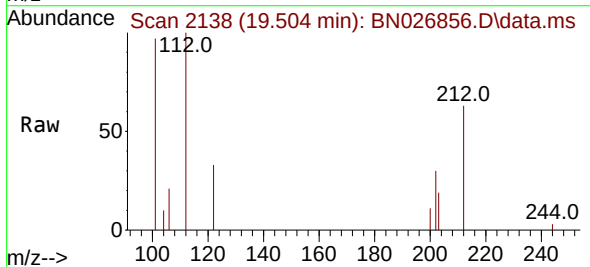
Manual Integrations
 APPROVED

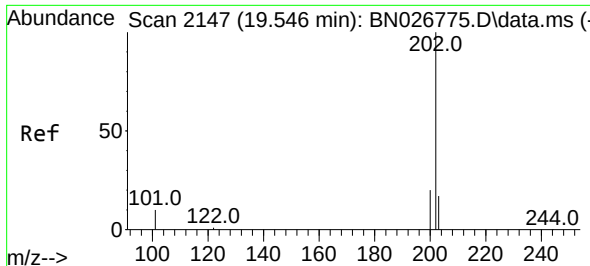
Reviewed By :Yogesh Patel 08/09/2023
 Supervised By :mohammad ahmed 08/09/2023



#27
 Fluoranthene-d10
 Concen: 0.180 ng
 RT: 19.504 min Scan# 2138
 Delta R.T. -0.000 min
 Lab File: BN026856.D
 Acq: 08 Aug 2023 21:09

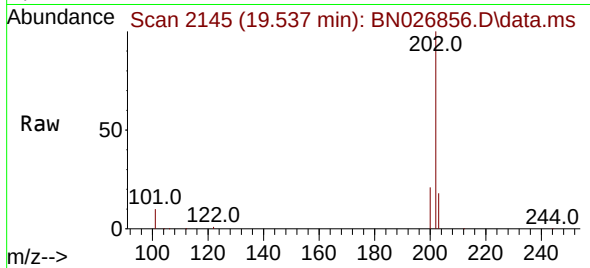
Tgt Ion:212 Resp: 21484
 Ion Ratio Lower Upper
 212 100
 106 36.4 11.7 17.5#
 104 14.3 6.4 9.6#





#28
Fluoranthene
Concen: 16.211 ng
RT: 19.537 min Scan# 2145
Delta R.T. 0.004 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

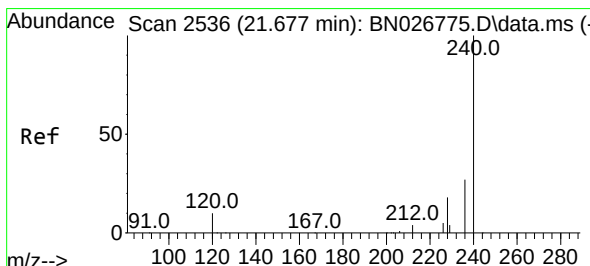
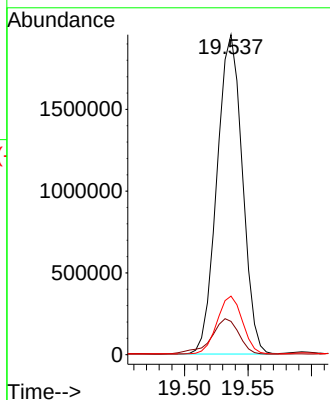
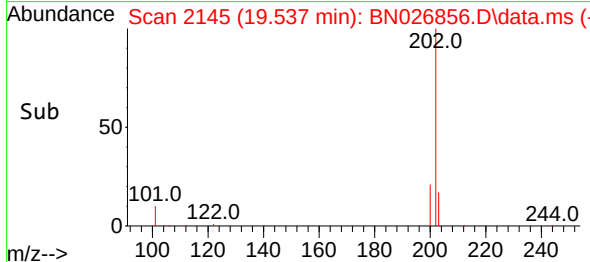
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-15-(5-10)



Tgt Ion:202 Resp: 2719774
Ion Ratio Lower Upper
202 100
101 12.2 9.2 13.8
203 18.0 13.7 20.5

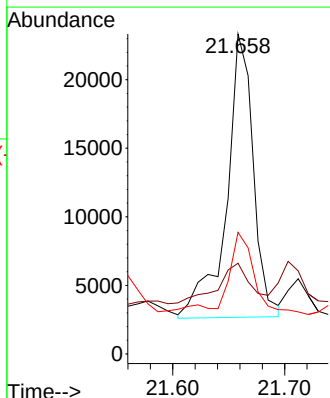
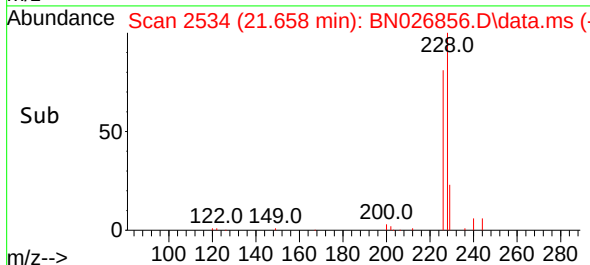
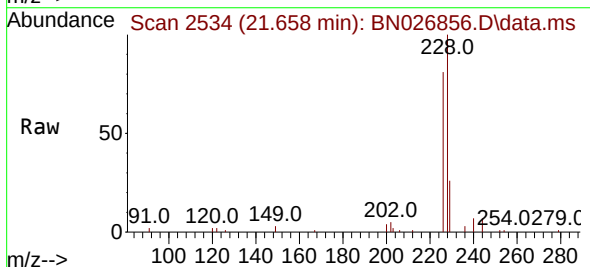
Manual Integrations
APPROVED

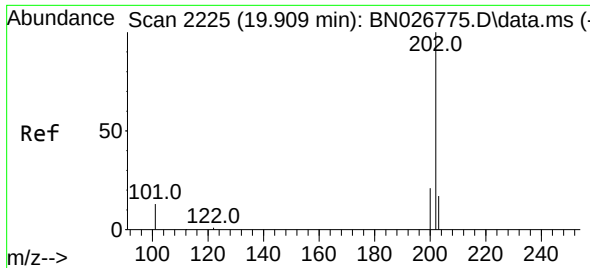
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.658 min Scan# 2534
Delta R.T. -0.009 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

Tgt Ion:240 Resp: 34572
Ion Ratio Lower Upper
240 100
120 28.4 9.2 13.8#
236 38.0 21.9 32.9#





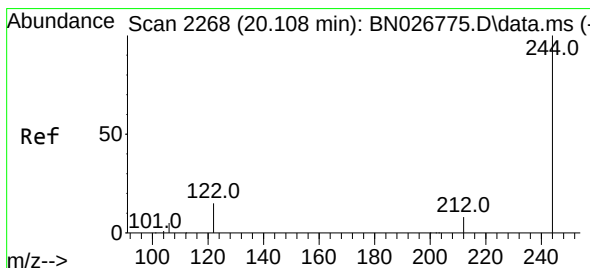
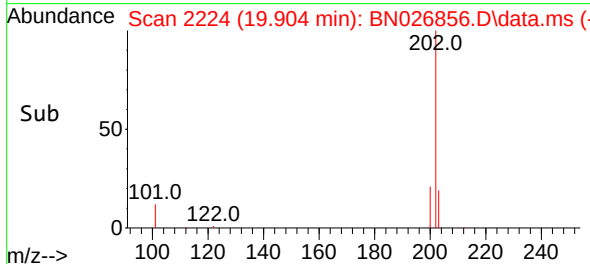
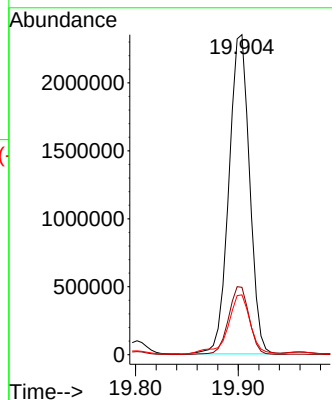
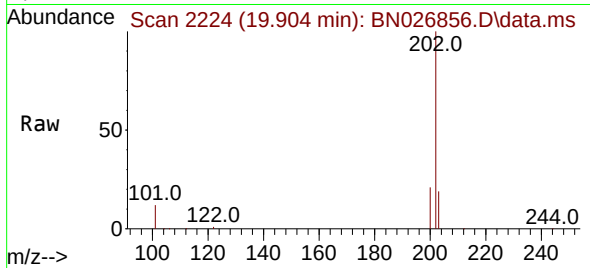
#30
Pyrene
Concen: 21.962 ng
RT: 19.904 min Scan# 21
Delta R.T. 0.004 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

Instrument :
BNA_N
ClientSampleId :
BUILDING-B-15-(5-10)

Tgt Ion:202 Resp: 3280930
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 20.0 14.2 21.2

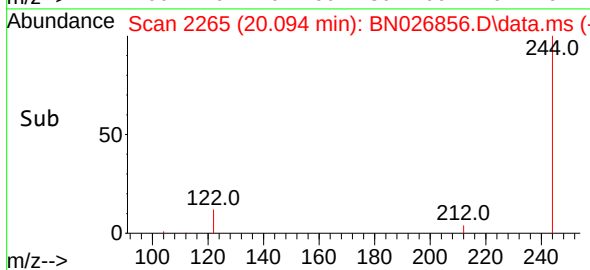
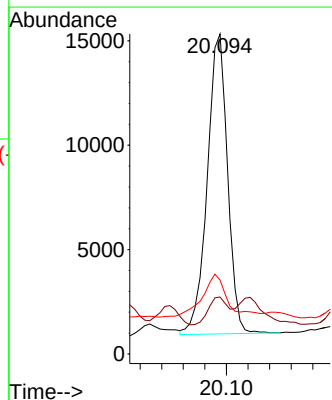
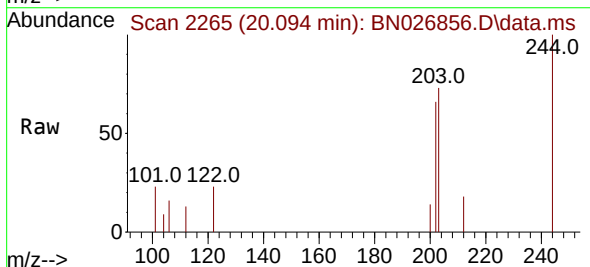
Manual Integrations
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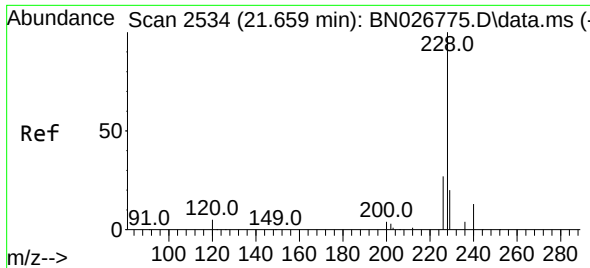
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#31
Terphenyl-d14
Concen: 0.261 ng
RT: 20.094 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

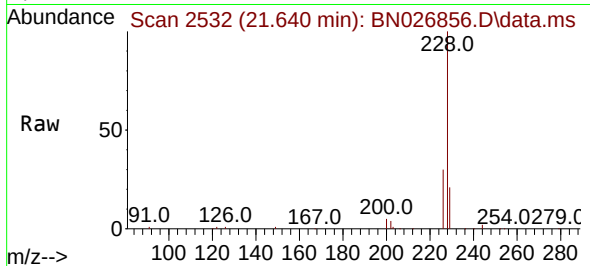
Tgt Ion:244 Resp: 18787
Ion Ratio Lower Upper
244 100
212 17.8 7.0 10.4#
122 23.1 12.3 18.5#





#32
Benzo(a)anthracene
Concen: 14.215 ng
RT: 21.640 min Scan# 2153
Delta R.T. -0.009 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

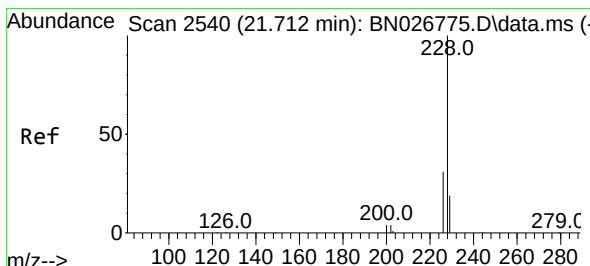
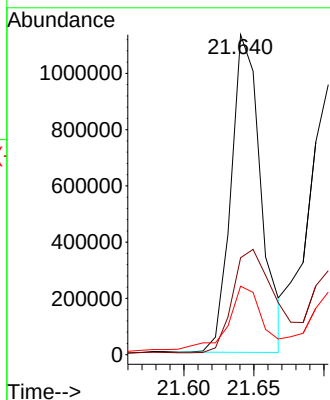
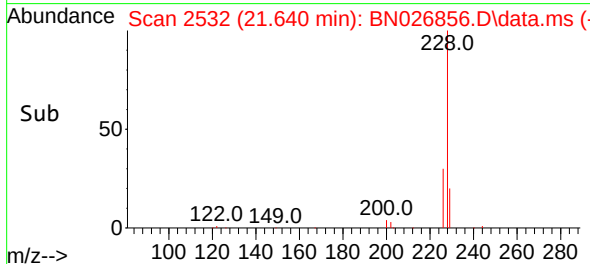
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-15-(5-10)



Tgt Ion:228 Resp: 168760
Ion Ratio Lower Upper
228 100
226 30.3 21.9 32.9
229 21.4 15.8 23.8

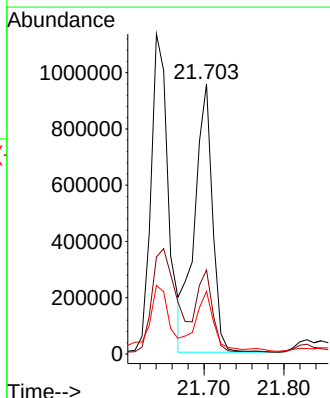
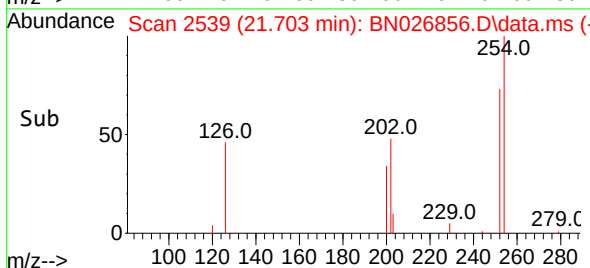
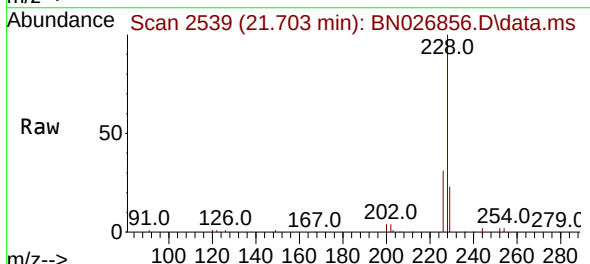
Manual Integrations
APPROVED

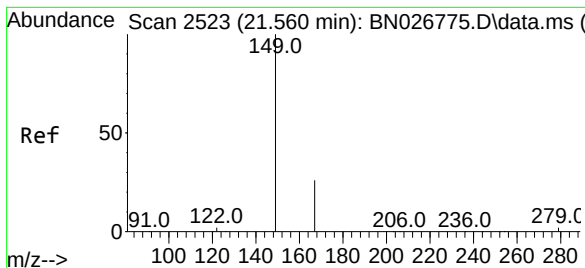
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#33
Chrysene
Concen: 11.386 ng
RT: 21.703 min Scan# 2539
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

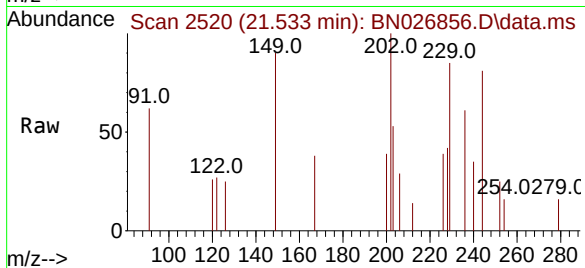
Tgt Ion:228 Resp: 1494369
Ion Ratio Lower Upper
228 100
226 31.1 24.6 36.8
229 23.1 15.4 23.2





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.244 ng
RT: 21.533 min Scan# 2111
Delta R.T. -0.009 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

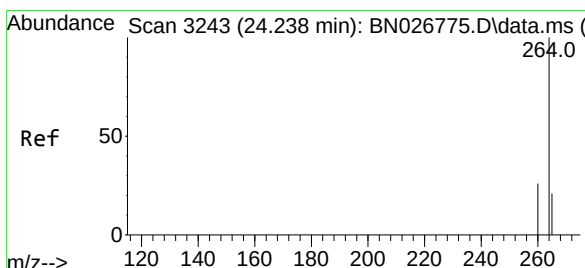
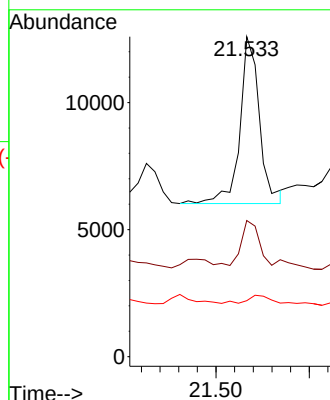
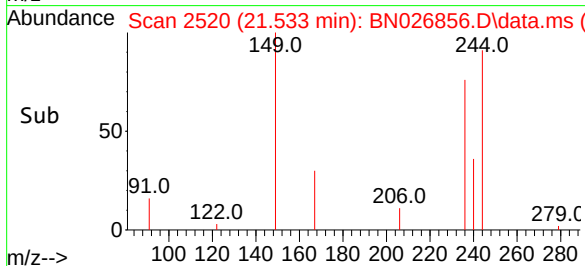
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-15-(5-10)



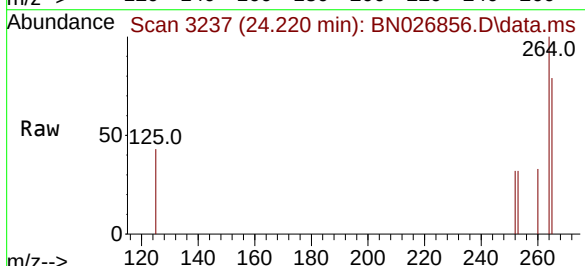
Tgt Ion:149 Resp: 9615
Ion Ratio Lower Upper
149 100
167 28.3 20.8 31.2
279 5.6 2.4 3.6

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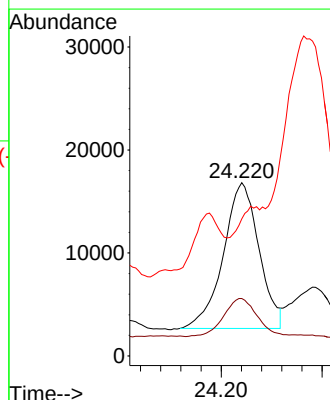
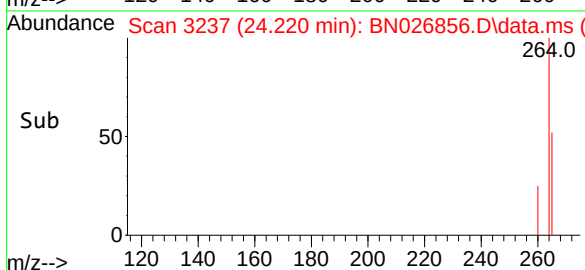
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

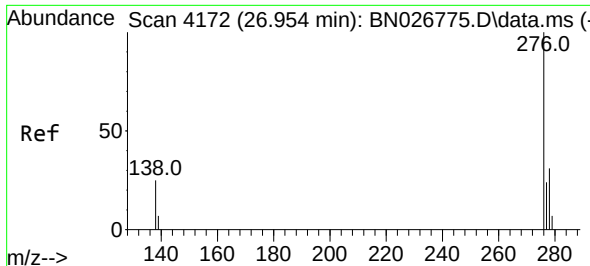


#35
Perylene-d12
Concen: 0.400 ng
RT: 24.220 min Scan# 3237
Delta R.T. -0.006 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09



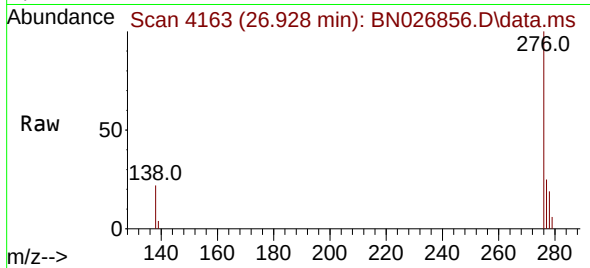
Tgt Ion:264 Resp: 34831
Ion Ratio Lower Upper
264 100
260 33.1 21.0 31.6#
265 79.1 22.6 33.8#





#36
Indeno(1,2,3-cd)pyrene
Concen: 6.272 ng
RT: 26.928 min Scan# 4172
Delta R.T. -0.003 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

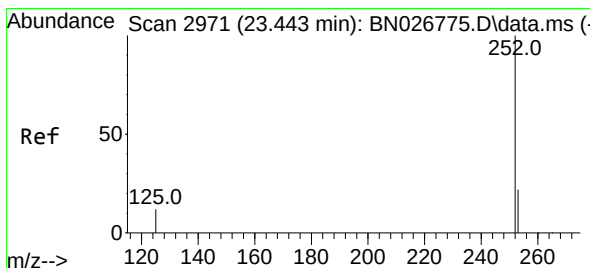
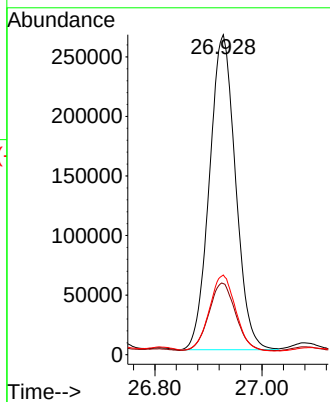
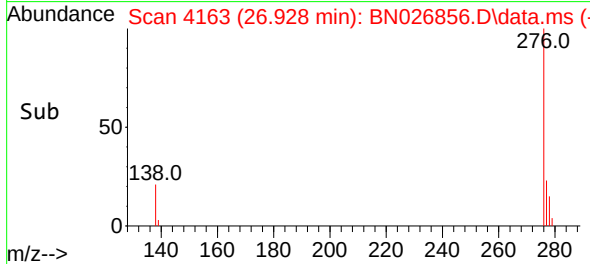
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-15-(5-10)



Tgt Ion:276 Resp: 891490
Ion Ratio Lower Upper
276 100
138 22.1 22.8 34.2
277 24.4 19.9 29.9

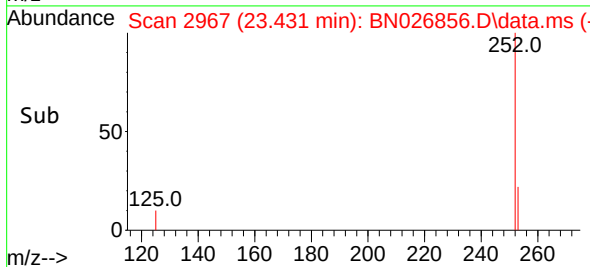
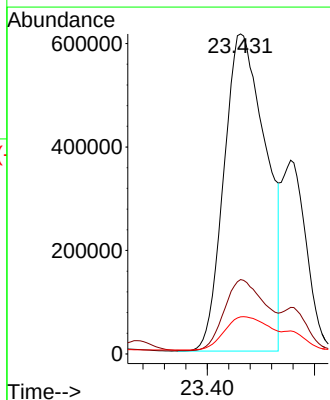
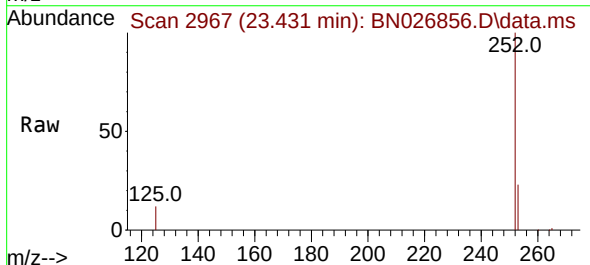
Manual Integrations
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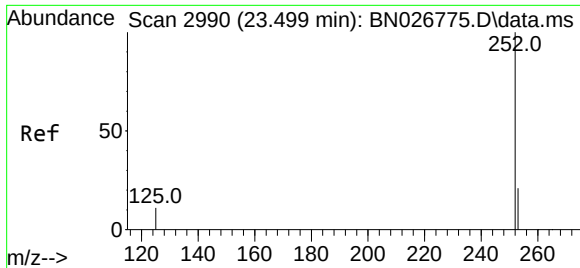
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#37
Benzo(b)fluoranthene
Concen: 12.141 ng
RT: 23.431 min Scan# 2967
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

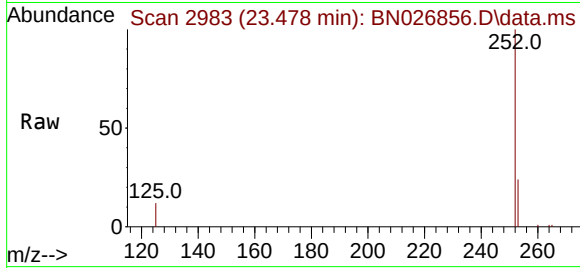
Tgt Ion:252 Resp: 1663945
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 11.6 10.8 16.2





#38
Benzo(k)fluoranthene
Concen: 4.215 ng m
RT: 23.478 min Scan# 2990
Delta R.T. -0.006 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

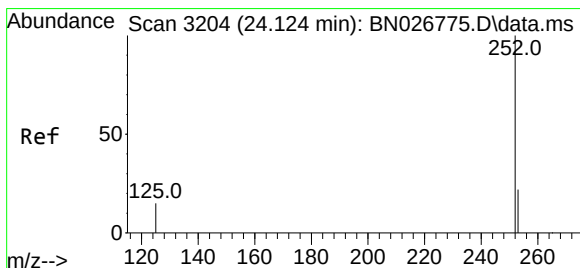
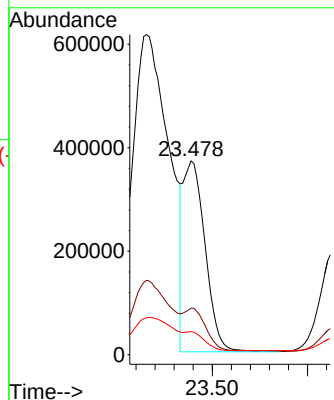
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-15-(5-10)



Tgt Ion:252 Resp: 59345
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 11.9 9.4 14.2

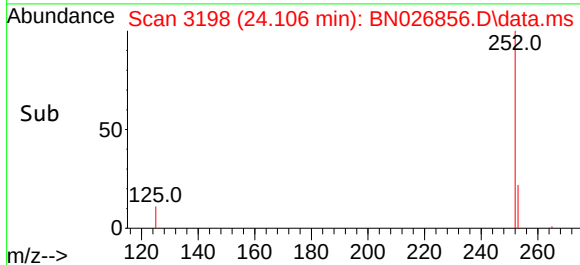
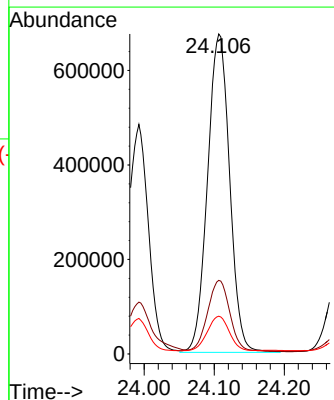
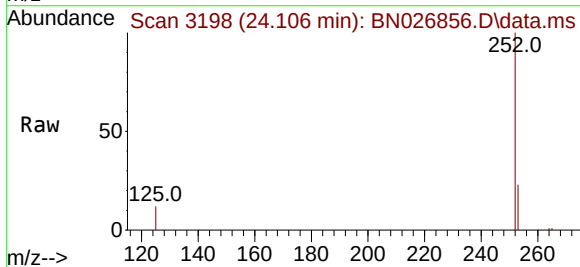
Manual Integrations
APPROVED

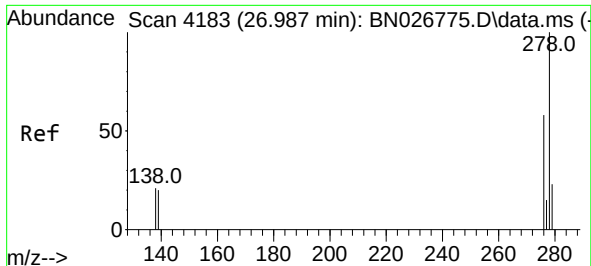
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#39
Benzo(a)pyrene
Concen: 11.817 ng m
RT: 24.106 min Scan# 3198
Delta R.T. -0.003 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

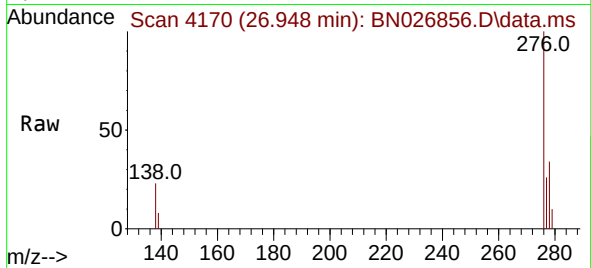
Tgt Ion:252 Resp: 1476846
Ion Ratio Lower Upper
252 100
253 23.0 18.5 27.7
125 11.8 12.7 19.1#





#40
Dibenzo(a,h)anthracene
Concen: 2.238 ng m
RT: 26.948 min Scan# 41
Delta R.T. -0.018 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

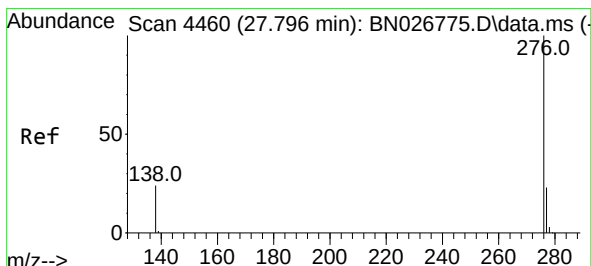
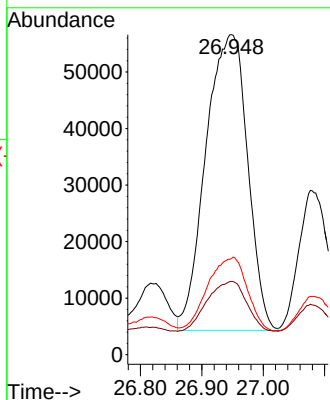
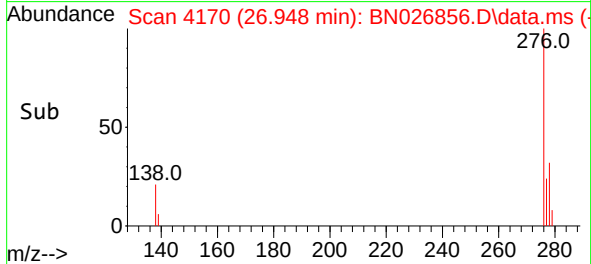
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-15-(5-10)



Tgt Ion:278 Resp: 24705
Ion Ratio Lower Upper
278 100
139 22.9 16.8 25.2
279 30.1 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: 7.313 ng
RT: 27.770 min Scan# 4451
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 21:09

Tgt Ion:276 Resp: 955633
Ion Ratio Lower Upper
276 100
277 24.6 19.1 28.7
138 23.1 19.8 29.6

