

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081023\
 Data File : BN026868.D
 Acq On : 09 Aug 2023 15:07
 Operator : MA/JU
 Sample : 03815-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BUILDING-B-21-(0-5)

Quant Time: Aug 09 18:13:22 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 17:55:32 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/10/2023
 Supervised By :mohammad ahmed 08/10/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.109	152	7537	0.400	ng	0.00
7) Naphthalene-d8	10.938	136	21997	0.400	ng	0.00
13) Acenaphthene-d10	14.737	164	15235	0.400	ng	0.00
19) Phenanthrene-d10	17.480	188	36793	0.400	ng	0.00
29) Chrysene-d12	21.668	240	30862	0.400	ng	0.00
35) Perylene-d12	24.227	264	32621	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.618	112	4372	0.229	ng	0.00
5) Phenol-d6	7.236	99	5374	0.217	ng	0.00
8) Nitrobenzene-d5	9.294	82	3504	0.269	ng	0.00
11) 2-Methylnaphthalene-d10	12.513	152	7426	0.235	ng	0.00
14) 2,4,6-Tribromophenol	16.226	330	1681	0.324	ng	0.00
15) 2-Fluorobiphenyl	13.368	172	11623	0.187	ng	0.00
27) Fluoranthene-d10	19.504	212	20258	0.229	ng	0.00
31) Terphenyl-d14	20.094	244	18593	0.289	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.992	128	3578	0.059	ng	# 88
12) 2-Methylnaphthalene	12.585	142	1253	0.030	ng	# 81
16) Acenaphthylene	14.470	152	15530	0.206	ng	100
18) Fluorene	15.780	166	1765	0.029	ng	# 81
25) Phenanthrene	17.530	178	21106	0.189	ng	99
26) Anthracene	17.617	178	9998	0.100	ng	99
28) Fluoranthene	19.537	202	51899	0.417	ng	98
30) Pyrene	19.899	202	68954	0.517	ng	98
32) Benzo(a)anthracene	21.650	228	36656m	0.346	ng	
33) Chrysene	21.704	228	30911	0.264	ng	96
34) Bis(2-ethylhexyl)phtha...	21.542	149	80243	2.285	ng	97
36) Indeno(1,2,3-cd)pyrene	26.925	276	19757	0.148	ng	# 93
37) Benzo(b)fluoranthene	23.431	252	41120	0.320	ng	# 91
38) Benzo(k)fluoranthene	23.481	252	14899m	0.113	ng	
39) Benzo(a)pyrene	24.110	252	32696	0.279	ng	93
40) Dibenzo(a,h)anthracene	26.949	278	5524m	0.053	ng	
41) Benzo(g,h,i)perylene	27.764	276	21728	0.178	ng	92

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

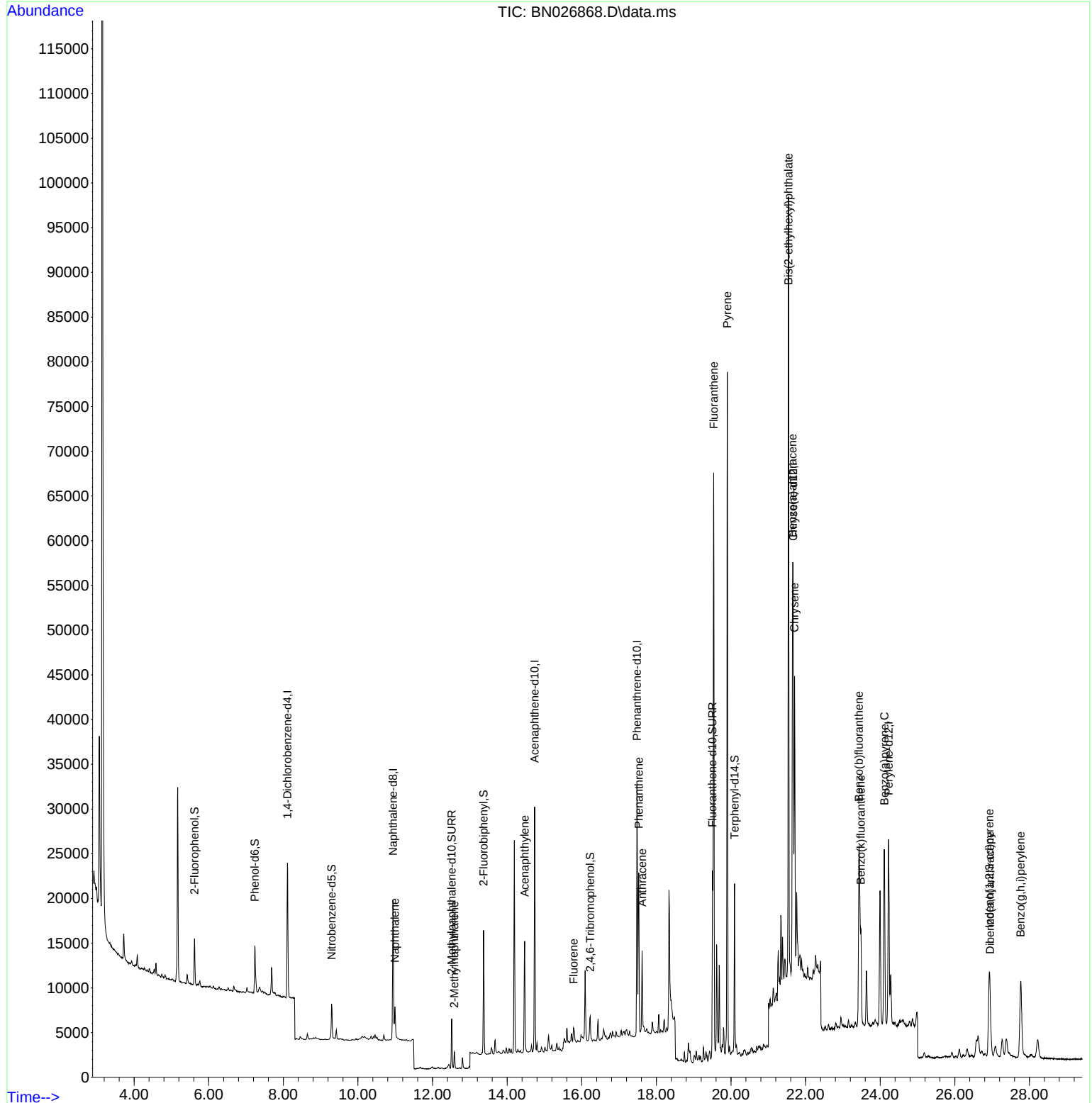
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081023\
Data File : BN026868.D
Acq On : 09 Aug 2023 15:07
Operator : MA/JU
Sample : 03815-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

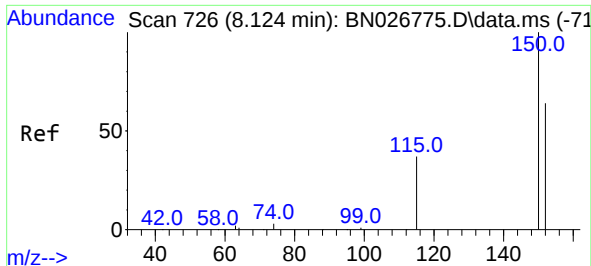
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)

Quant Time: Aug 09 18:13:22 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 17:55:32 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

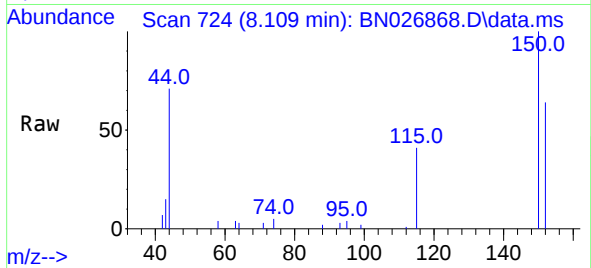
Reviewed By :Yogesh Patel 08/10/2023
Supervised By :mohammad ahmed 08/10/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.109 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

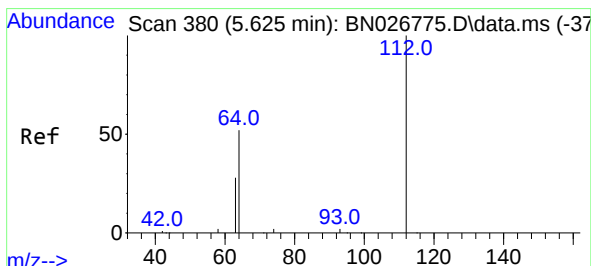
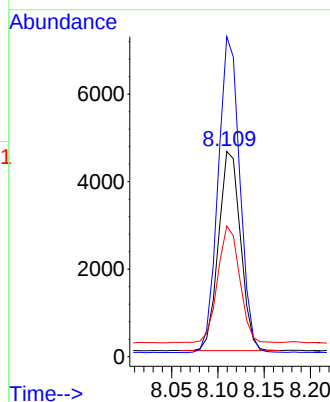
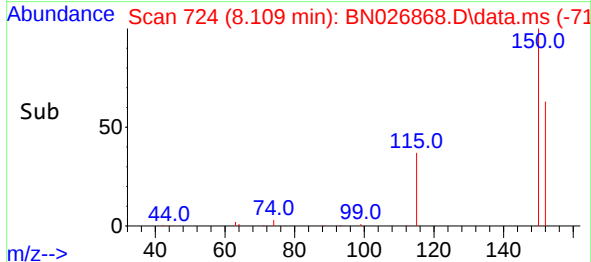
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



Tgt Ion:152 Resp: 753
Ion Ratio Lower Upper
152 100
150 155.8 123.8 185.8
115 63.6 48.0 72.0

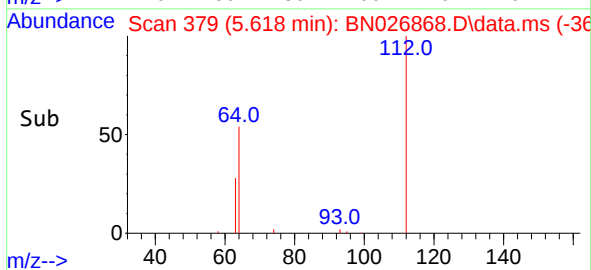
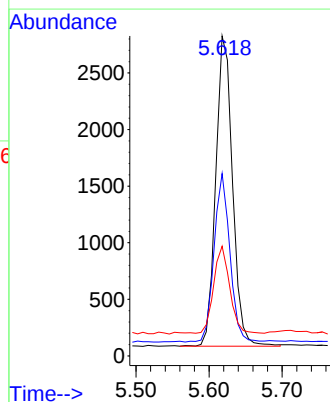
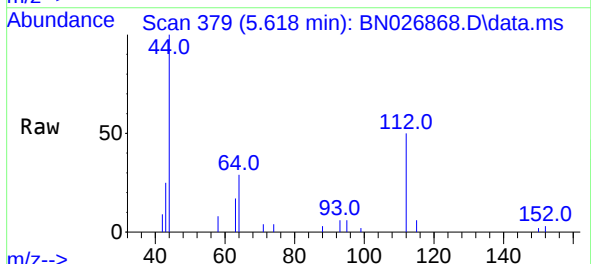
Manual Integrations
APPROVED

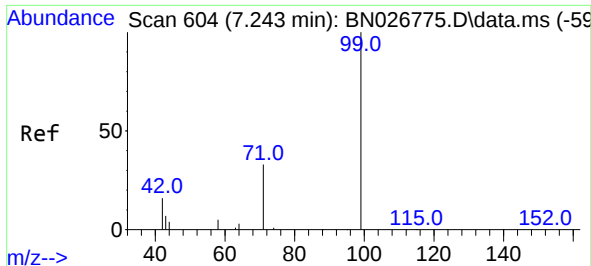
Reviewed By :Yogesh Patel 08/10/2023
Supervised By :mohammad ahmed 08/10/2023



#4
2-Fluorophenol
Concen: 0.229 ng
RT: 5.618 min Scan# 379
Delta R.T. 0.000 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

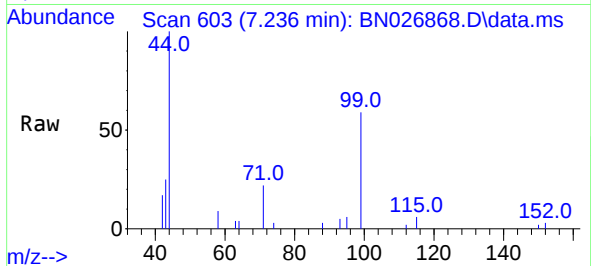
Tgt Ion:112 Resp: 4372
Ion Ratio Lower Upper
112 100
64 51.2 42.2 63.2
63 27.0 22.7 34.1





#5
Phenol-d6
Concen: 0.217 ng
RT: 7.236 min Scan# 603
Delta R.T. 0.000 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

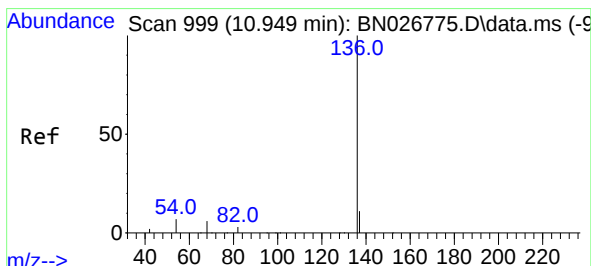
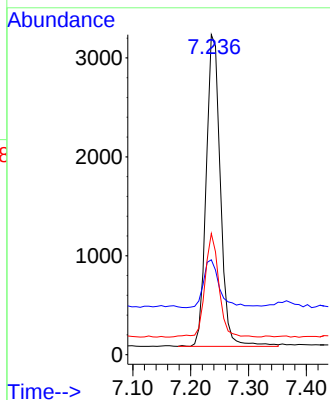
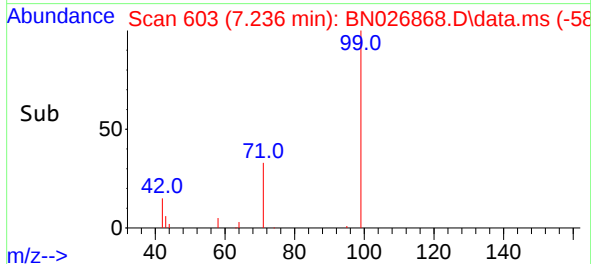
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



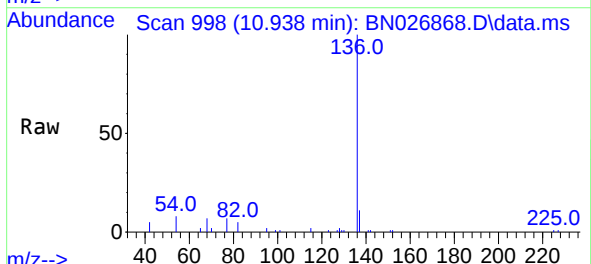
Tgt Ion: 99 Resp: 5374
Ion Ratio Lower Upper
99 100
42 17.7 14.6 22.0
71 32.5 26.6 40.0

Manual Integrations
APPROVED

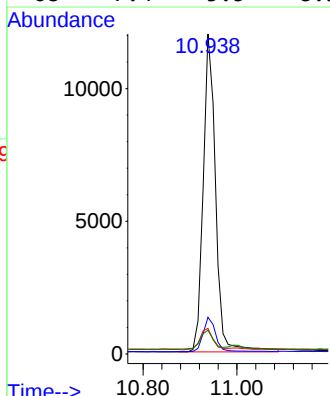
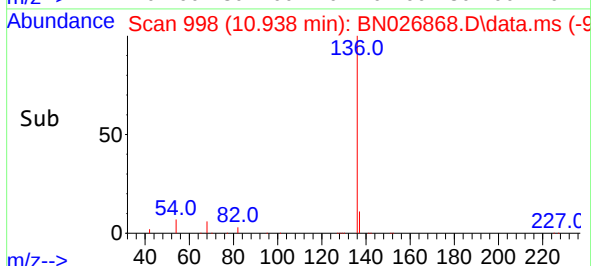
Reviewed By :Yogesh Patel 08/10/2023
Supervised By :mohammad ahmed 08/10/2023

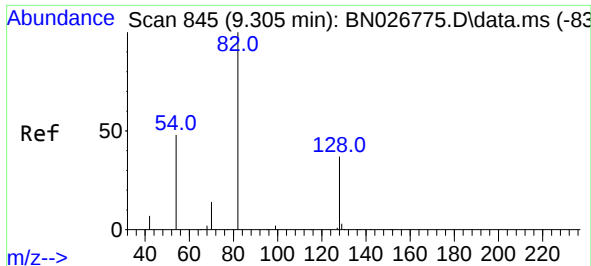


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.938 min Scan# 998
Delta R.T. 0.000 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07



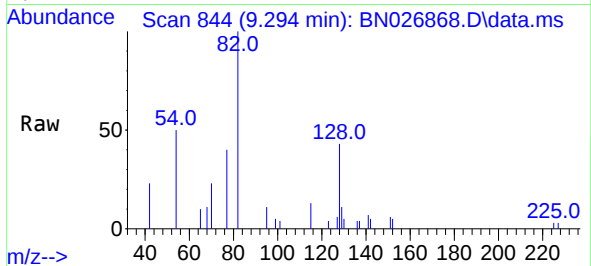
Tgt Ion:136 Resp: 21997
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.4
54 8.0 6.2 9.2
68 7.4 5.5 8.3





#8
Nitrobenzene-d5
Concen: 0.269 ng
RT: 9.294 min Scan# 845
Delta R.T. 0.000 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

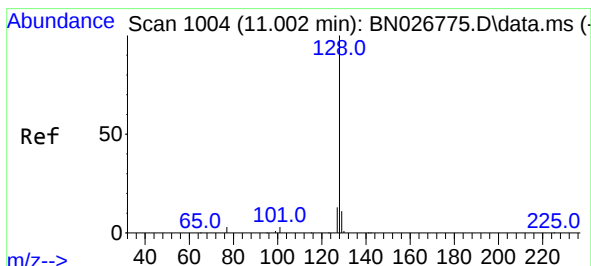
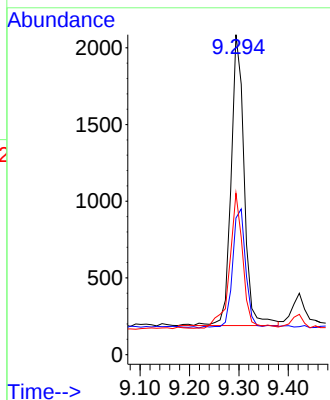
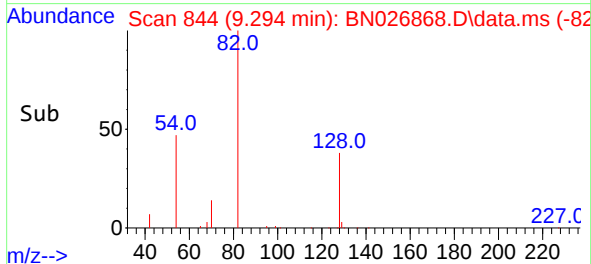
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



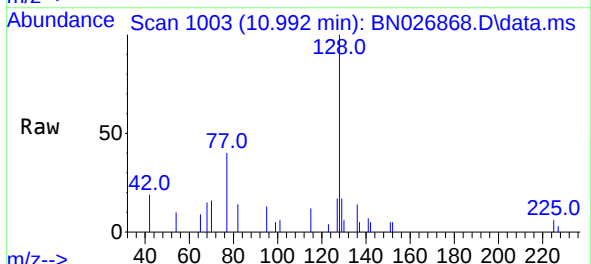
Tgt Ion: 82 Resp: 3504
Ion Ratio Lower Upper
82 100
128 42.7 30.5 45.7
54 50.4 39.4 59.2

Manual Integrations
APPROVED

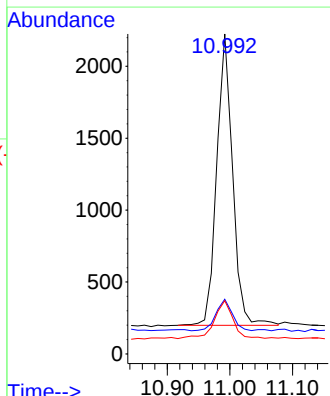
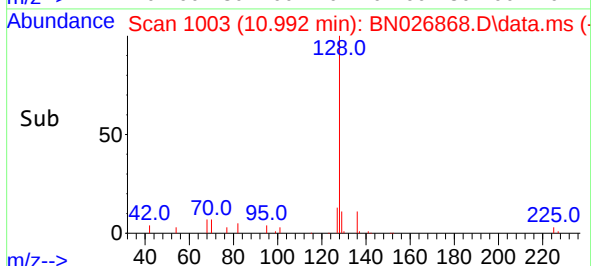
Reviewed By :Yogesh Patel 08/10/2023
Supervised By :mohammad ahmed 08/10/2023

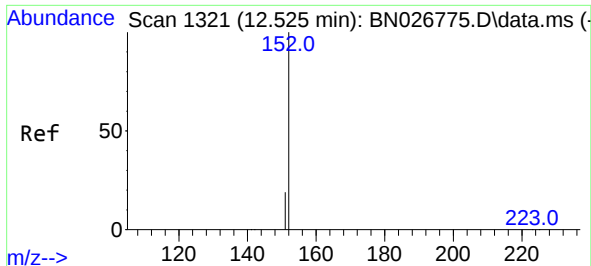


#9
Naphthalene
Concen: 0.059 ng
RT: 10.992 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07



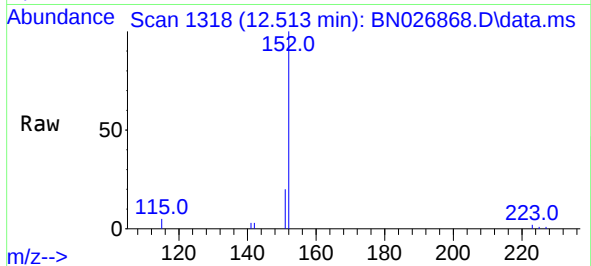
Tgt Ion:128 Resp: 3578
Ion Ratio Lower Upper
128 100
129 17.1 9.0 13.4#
127 16.6 10.6 16.0#





#11
2-Methylnaphthalene-d10
Concen: 0.235 ng
RT: 12.513 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

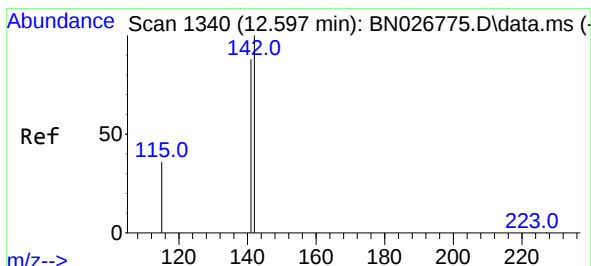
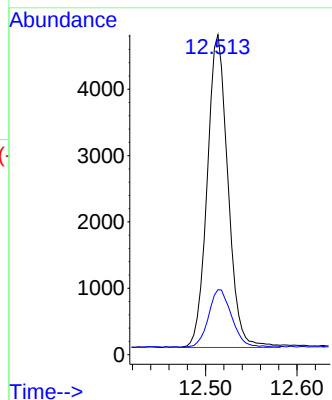
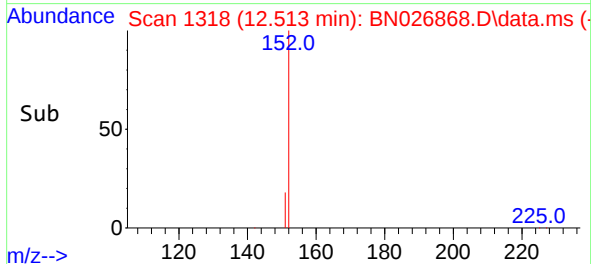
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



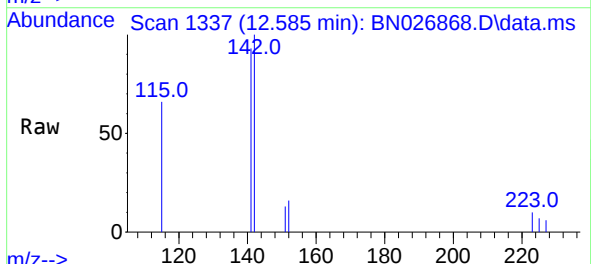
Tgt Ion:152 Resp: 7420
Ion Ratio Lower Upper
152 100
151 20.5 16.5 24.7

Manual Integrations
APPROVED

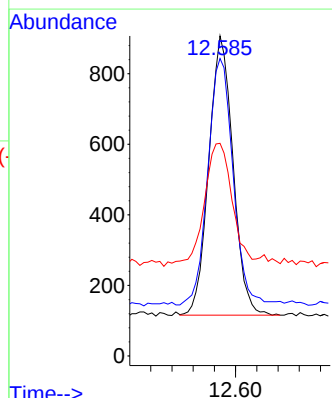
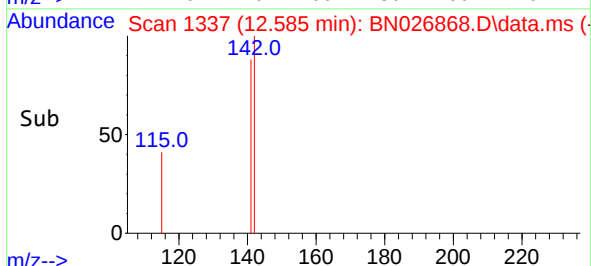
Reviewed By :Yogesh Patel 08/10/2023
Supervised By :mohammad ahmed 08/10/2023

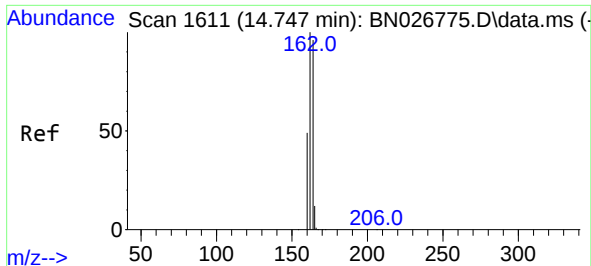


#12
2-Methylnaphthalene
Concen: 0.030 ng
RT: 12.585 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07



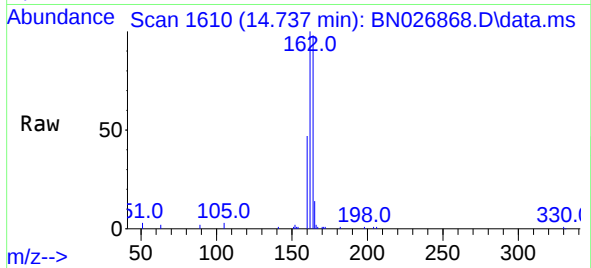
Tgt Ion:142 Resp: 1253
Ion Ratio Lower Upper
142 100
141 92.9 70.3 105.5
115 66.5 29.2 43.8#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.737 min Scan# 1611
Delta R.T. 0.000 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

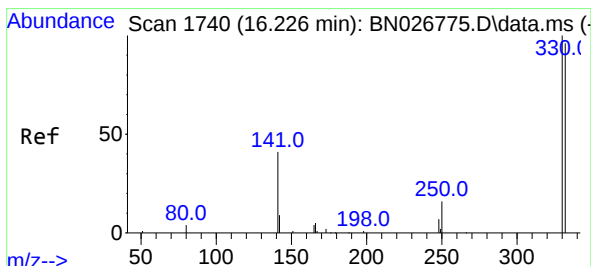
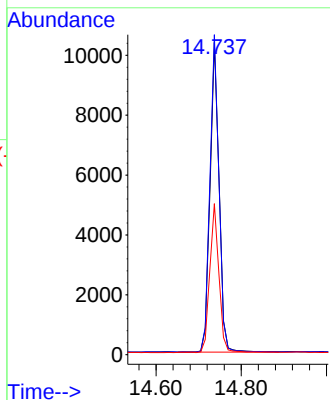
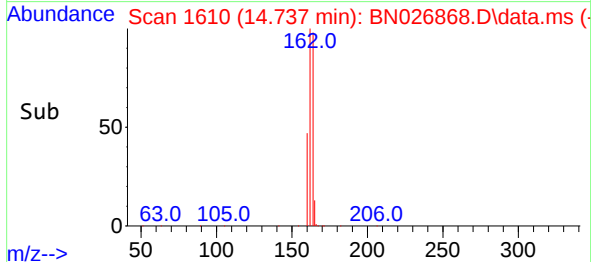
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



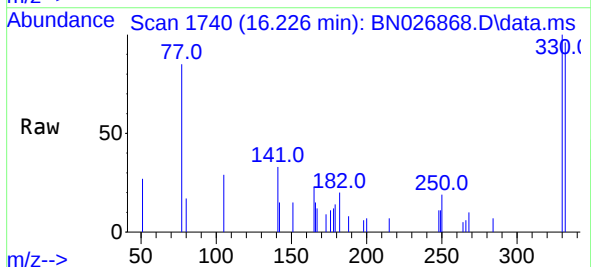
Tgt Ion:164 Resp: 1523
Ion Ratio Lower Upper
164 100
162 102.4 83.0 124.6
160 48.3 40.8 61.2

Manual Integrations
APPROVED

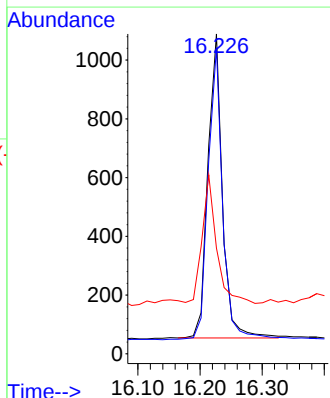
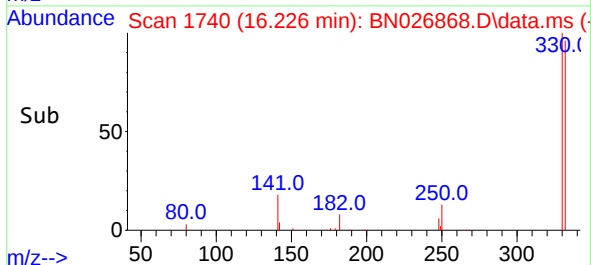
Reviewed By :Yogesh Patel 08/10/2023
Supervised By :mohammad ahmed 08/10/2023

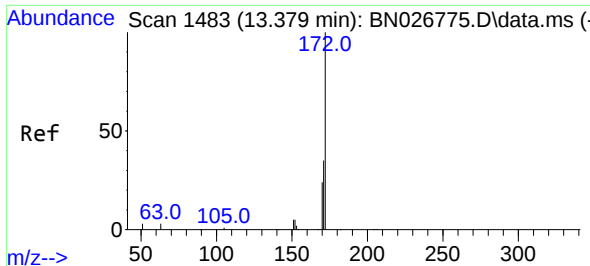


#14
2,4,6-Tribromophenol
Concen: 0.324 ng
RT: 16.226 min Scan# 1740
Delta R.T. 0.000 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07



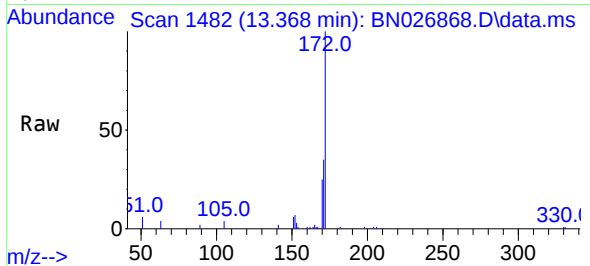
Tgt Ion:330 Resp: 1681
Ion Ratio Lower Upper
330 100
332 95.3 77.8 116.6
141 41.8 34.8 52.2





#15
2-Fluorobiphenyl
Concen: 0.187 ng
RT: 13.368 min Scan# 1482
Delta R.T. 0.000 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

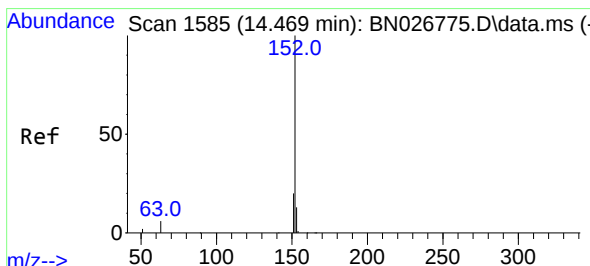
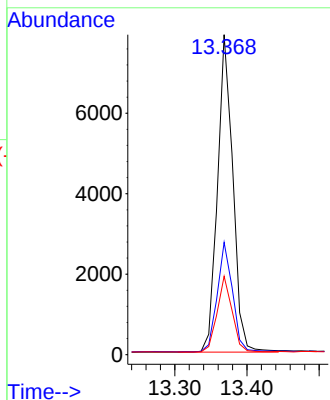
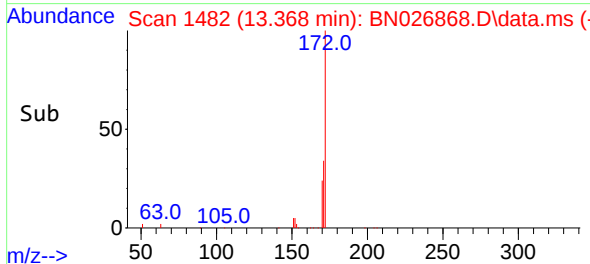
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



Tgt Ion:172 Resp: 1162
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 24.5 19.2 28.8

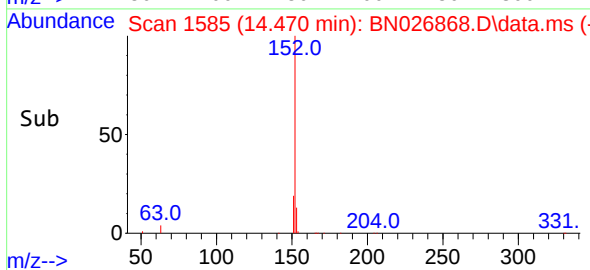
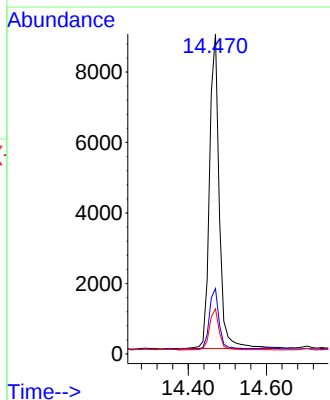
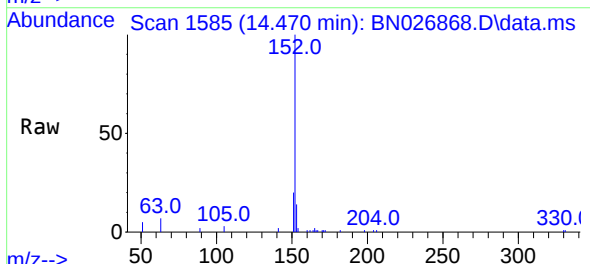
Manual Integrations
APPROVED

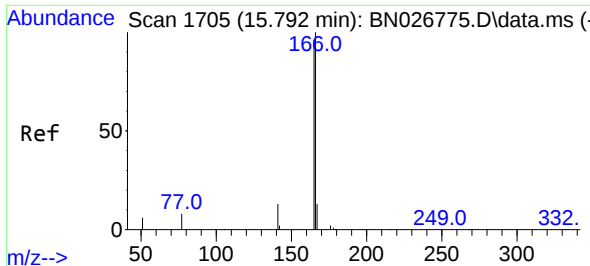
Reviewed By :Yogesh Patel 08/10/2023
Supervised By :mohammad ahmed 08/10/2023



#16
Acenaphthylene
Concen: 0.206 ng
RT: 14.470 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

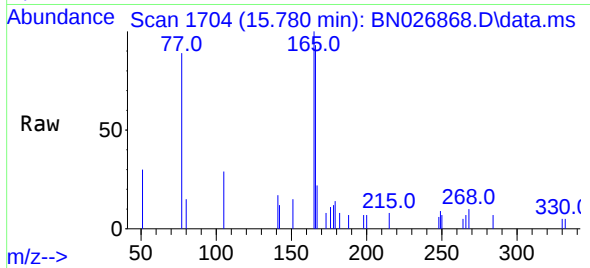
Tgt Ion:152 Resp: 15530
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 12.9 10.5 15.7





#18
Fluorene
Concen: 0.029 ng
RT: 15.780 min Scan# 1704
Delta R.T. 0.000 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

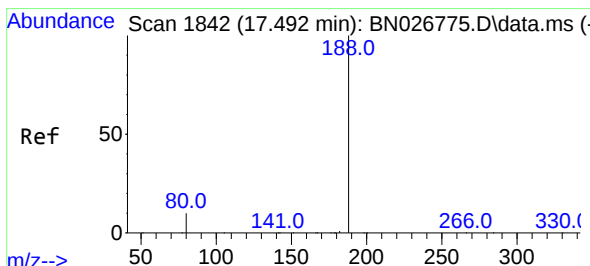
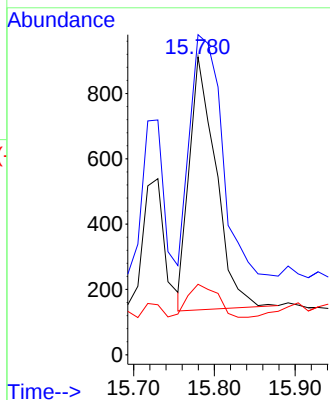
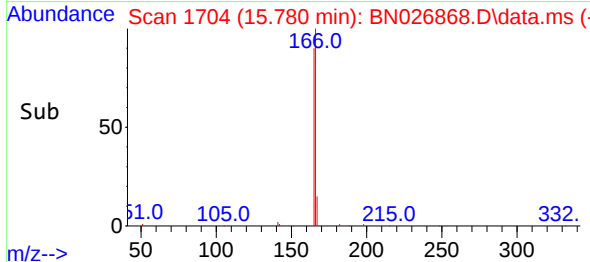
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



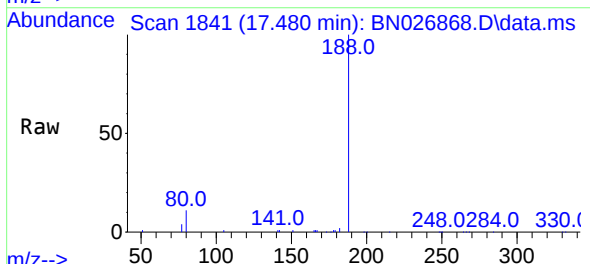
Tgt Ion:166 Resp: 1768
Ion Ratio Lower Upper
166 100
165 120.2 79.0 118.6
167 14.6 10.9 16.3

Manual Integrations
APPROVED

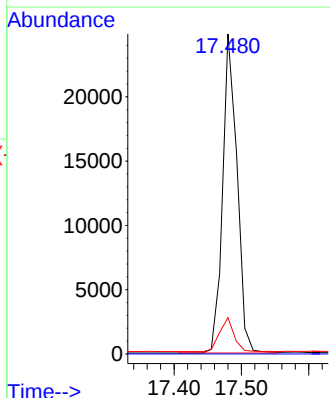
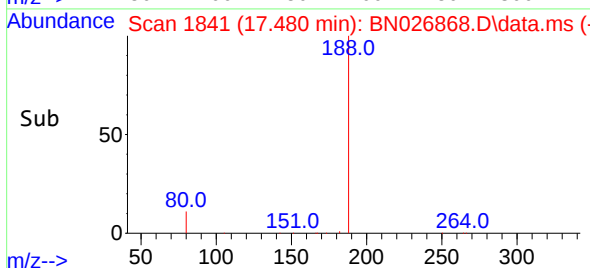
Reviewed By :Yogesh Patel 08/10/2023
Supervised By :mohammad ahmed 08/10/2023

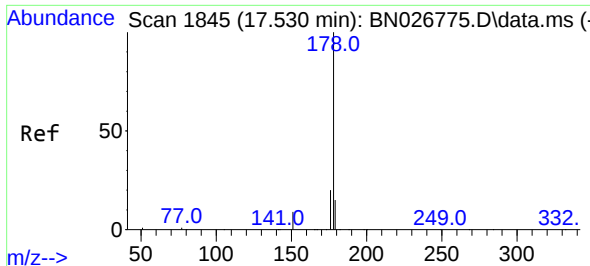


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.480 min Scan# 1841
Delta R.T. 0.000 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07



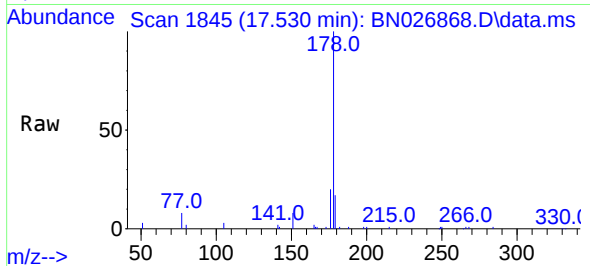
Tgt Ion:188 Resp: 36793
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.3 8.0 12.0





#25
Phenanthrene
Concen: 0.189 ng
RT: 17.530 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

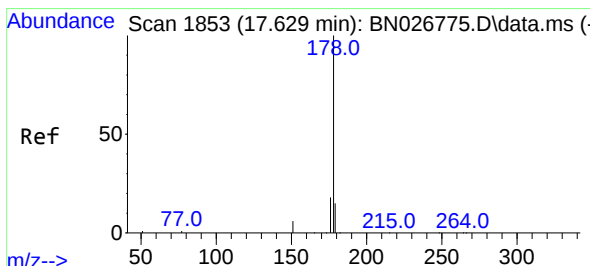
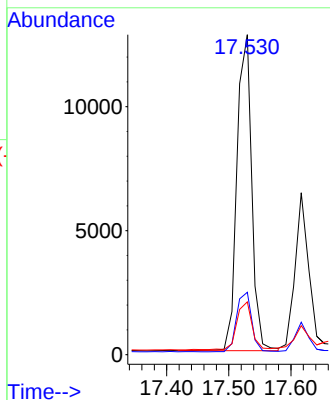
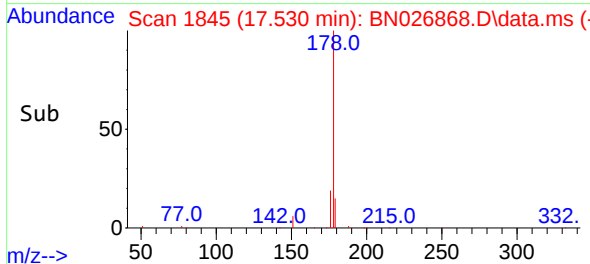
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



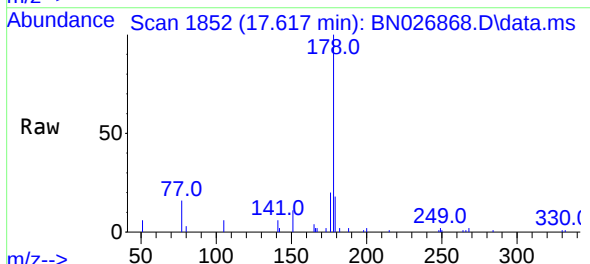
Tgt Ion:178 Resp: 21100
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 16.3 12.2 18.2

Manual Integrations
APPROVED

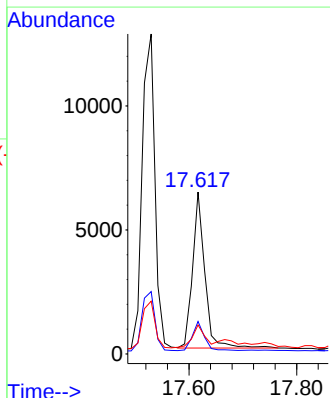
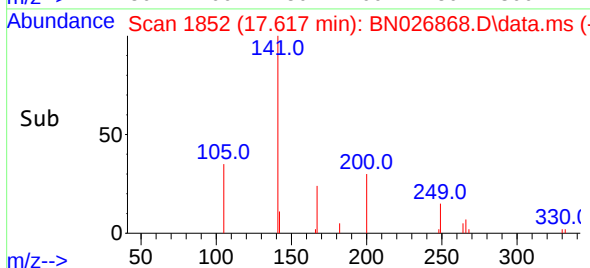
Reviewed By :Yogesh Patel 08/10/2023
Supervised By :mohammad ahmed 08/10/2023

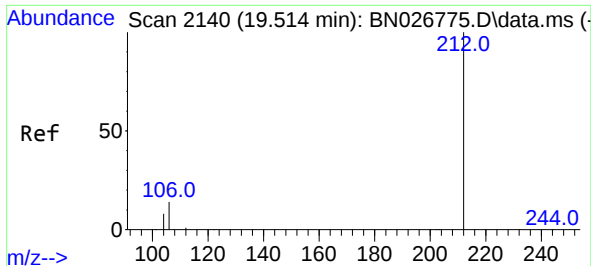


#26
Anthracene
Concen: 0.100 ng
RT: 17.617 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07



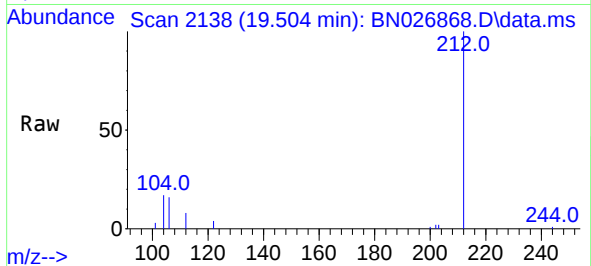
Tgt Ion:178 Resp: 9998
Ion Ratio Lower Upper
178 100
176 17.8 14.9 22.3
179 14.9 12.2 18.2





#27
Fluoranthene-d10
Concen: 0.229 ng
RT: 19.504 min Scan# 2138
Delta R.T. -0.004 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

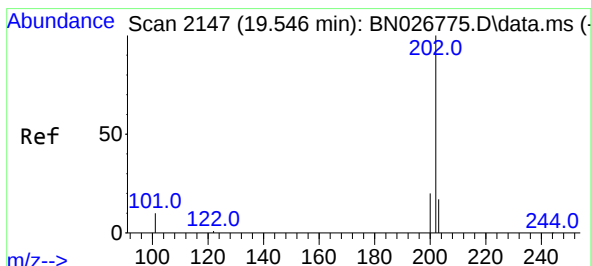
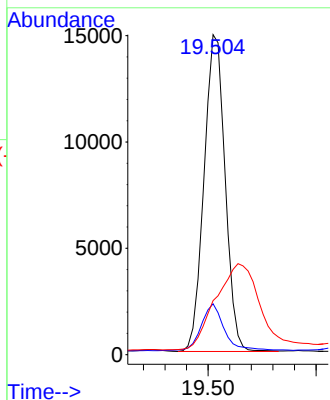
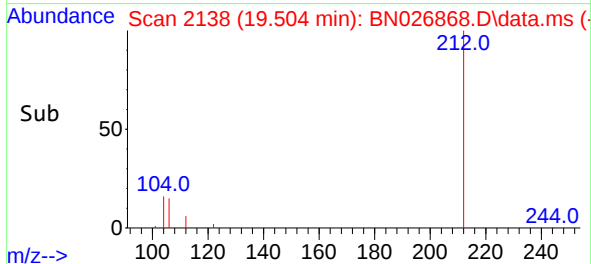
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



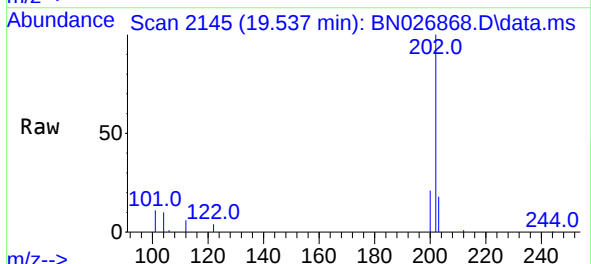
Tgt Ion:212 Resp: 20258
Ion Ratio Lower Upper
212 100
106 16.3 11.7 17.5
104 0.0 6.4 9.6

Manual Integrations
APPROVED

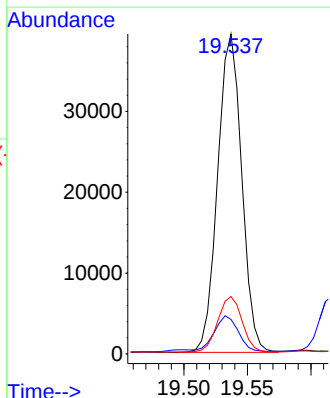
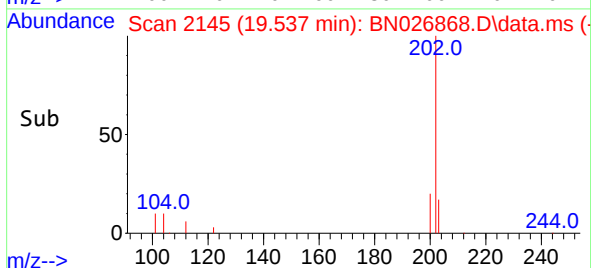
Reviewed By :Yogesh Patel 08/10/2023
Supervised By :mohammad ahmed 08/10/2023

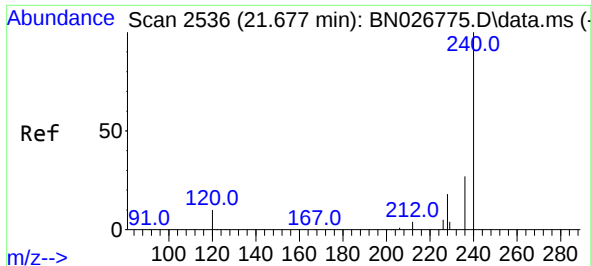


#28
Fluoranthene
Concen: 0.417 ng
RT: 19.537 min Scan# 2145
Delta R.T. 0.000 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07



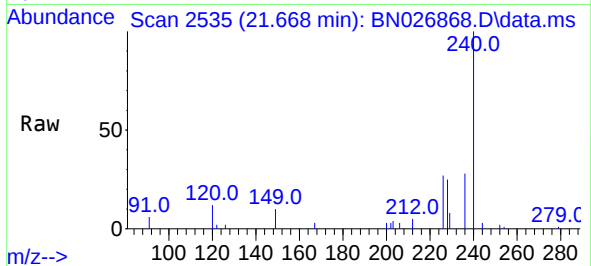
Tgt Ion:202 Resp: 51899
Ion Ratio Lower Upper
202 100
101 12.4 9.2 13.8
203 17.5 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.668 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

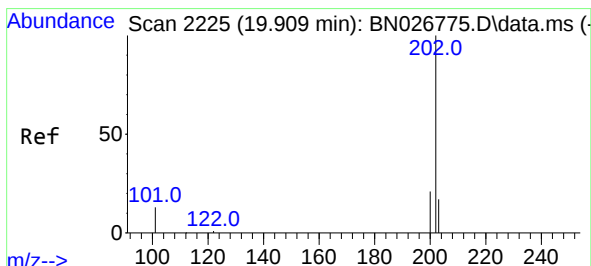
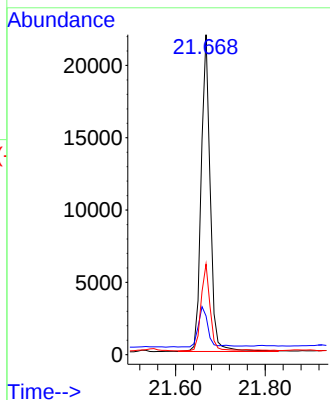
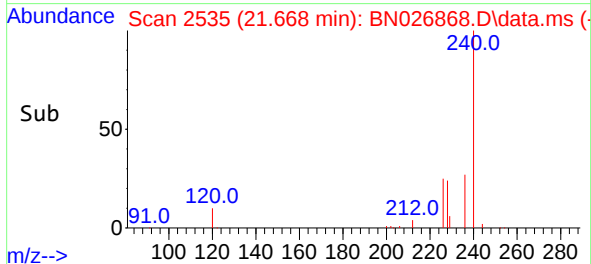
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



Tgt Ion:240 Resp: 30862
Ion Ratio Lower Upper
240 100
120 12.1 9.2 13.8
236 28.3 21.9 32.9

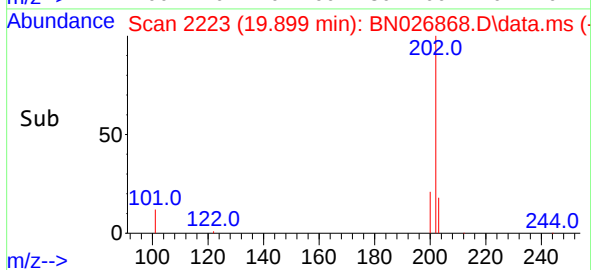
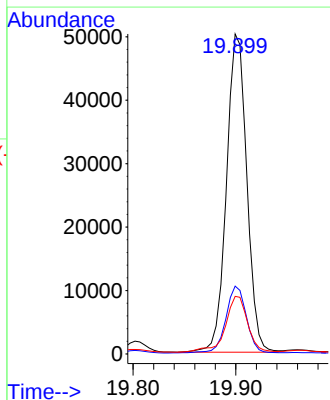
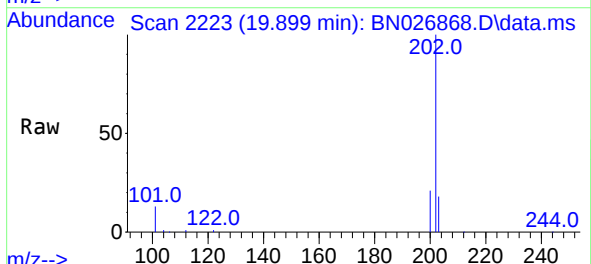
Manual Integrations
APPROVED

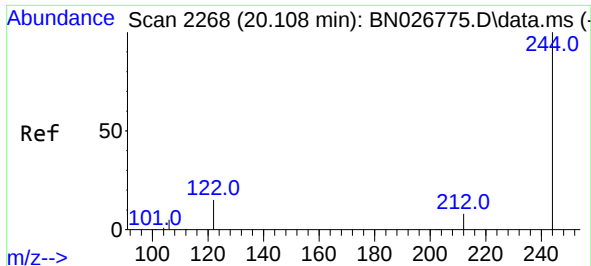
Reviewed By :Yogesh Patel 08/10/2023
Supervised By :mohammad ahmed 08/10/2023



#30
Pyrene
Concen: 0.517 ng
RT: 19.899 min Scan# 2223
Delta R.T. -0.004 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

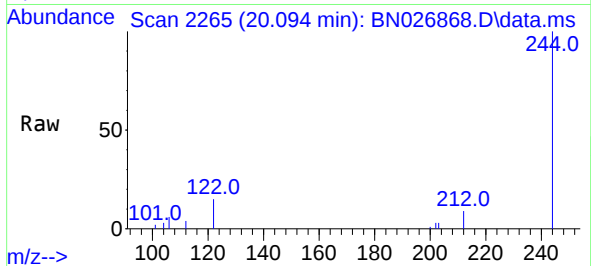
Tgt Ion:202 Resp: 68954
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 19.1 14.2 21.2





#31
 Terphenyl-d14
 Concen: 0.289 ng
 RT: 20.094 min Scan# 2159
 Delta R.T. 0.000 min
 Lab File: BN026868.D
 Acq: 09 Aug 2023 15:07

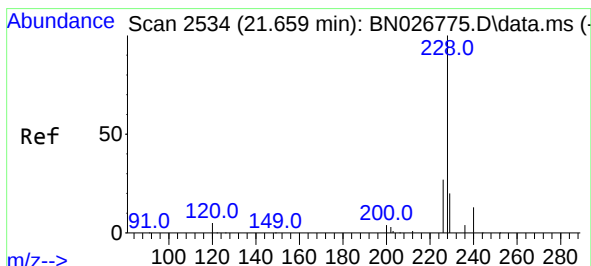
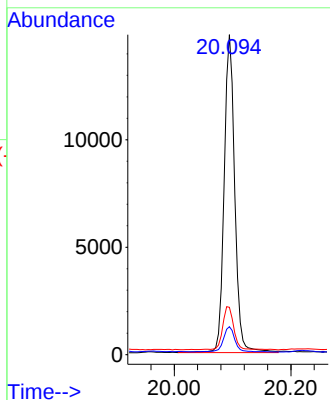
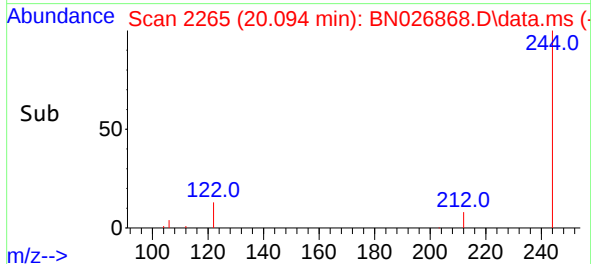
Instrument :
 BNA_N
 ClientSampleId :
 BUILDING-B-21-(0-5)



Tgt Ion:244 Resp: 1859
 Ion Ratio Lower Upper
 244 100
 212 8.8 7.0 10.4
 122 14.8 12.3 18.5

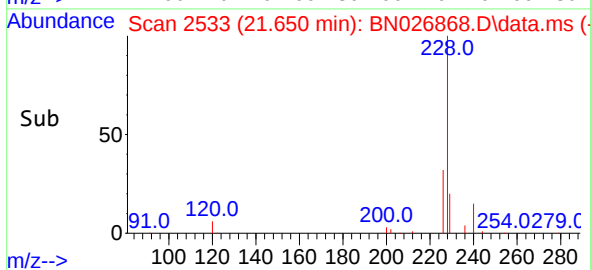
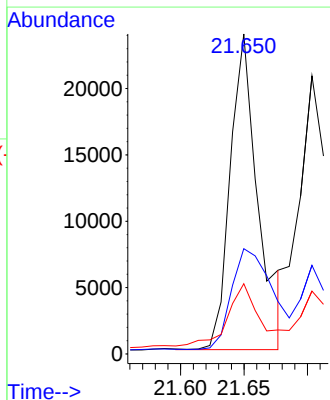
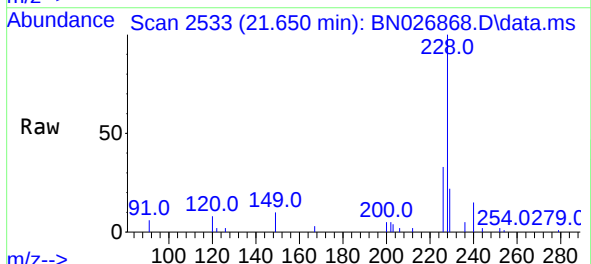
Manual Integrations
 APPROVED

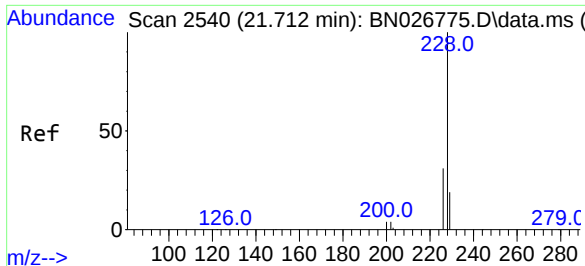
Reviewed By :Yogesh Patel 08/10/2023
 Supervised By :mohammad ahmed 08/10/2023



#32
 Benzo(a)anthracene
 Concen: 0.346 ng m
 RT: 21.650 min Scan# 2533
 Delta R.T. 0.000 min
 Lab File: BN026868.D
 Acq: 09 Aug 2023 15:07

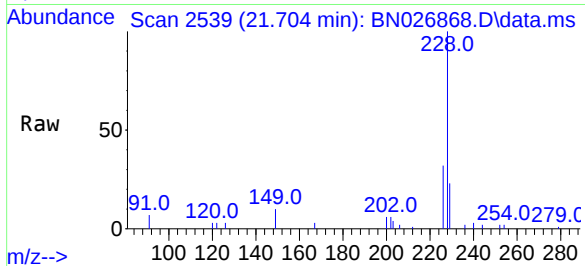
Tgt Ion:228 Resp: 36656
 Ion Ratio Lower Upper
 228 100
 226 32.9 21.9 32.9#
 229 21.9 15.8 23.8





#33
Chrysene
Concen: 0.264 ng
RT: 21.704 min Scan# 21704
Delta R.T. -0.009 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

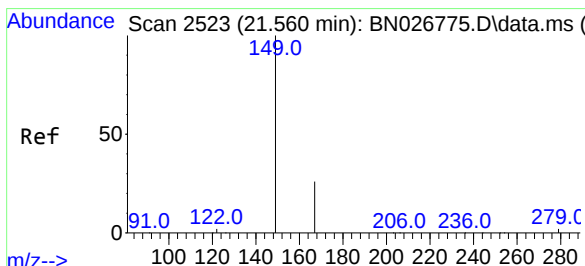
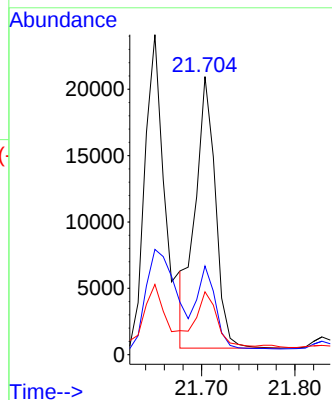
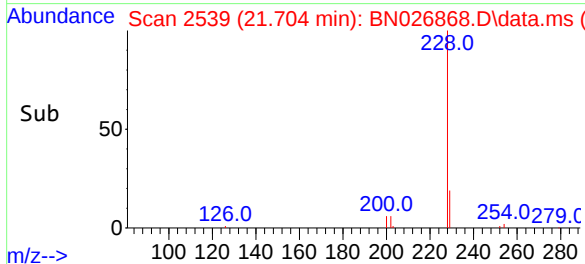
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



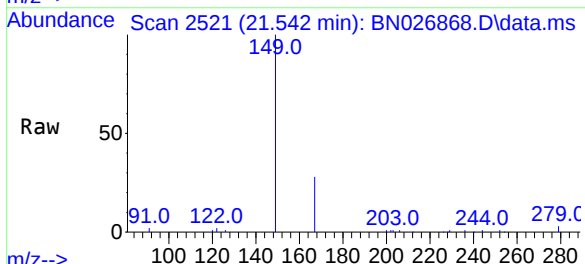
Tgt Ion:228 Resp: 3091
Ion Ratio Lower Upper
228 100
226 31.9 24.6 36.8
229 22.6 15.4 23.2

Manual Integrations
APPROVED

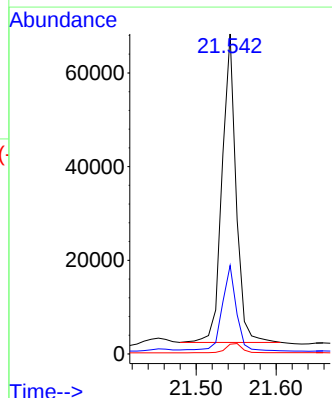
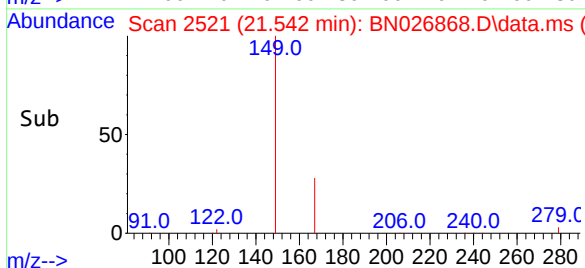
Reviewed By :Yogesh Patel 08/10/2023
Supervised By :mohammad ahmed 08/10/2023

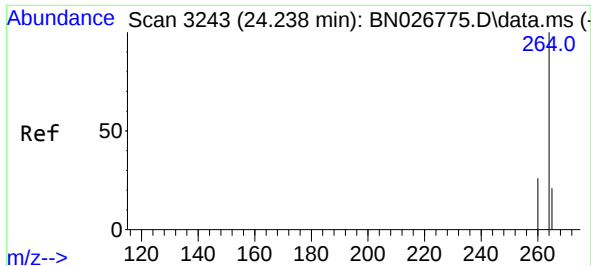


#34
Bis(2-ethylhexyl)phthalate
Concen: 2.285 ng
RT: 21.542 min Scan# 2521
Delta R.T. 0.000 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07



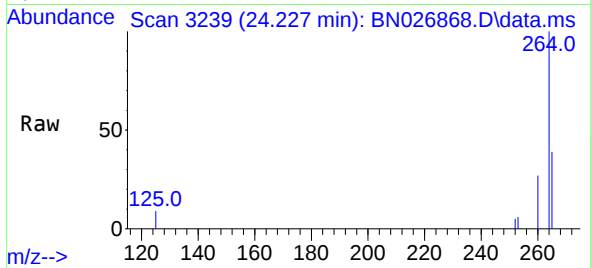
Tgt Ion:149 Resp: 80243
Ion Ratio Lower Upper
149 100
167 27.7 20.8 31.2
279 3.5 2.4 3.6





#35
Perylene-d12
Concen: 0.400 ng
RT: 24.227 min Scan# 31
Delta R.T. -0.005 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

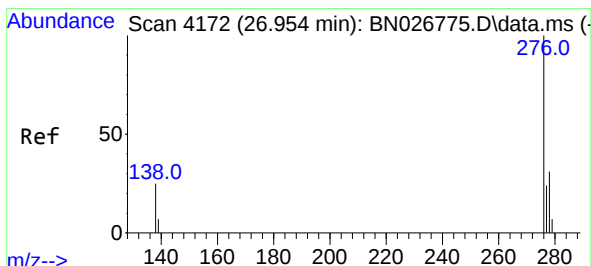
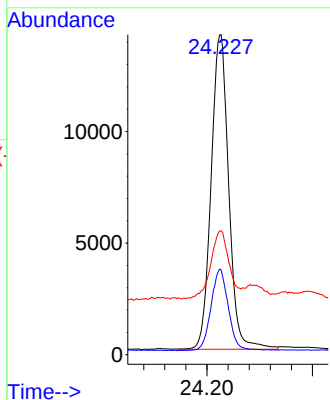
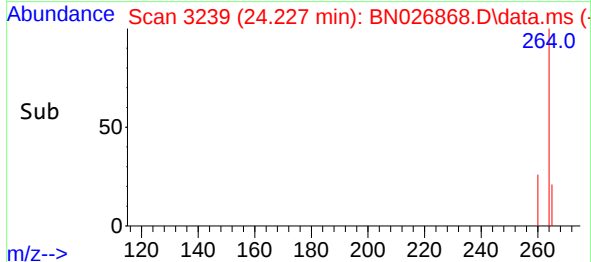
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



Tgt Ion:264 Resp: 3262
Ion Ratio Lower Upper
264 100
260 26.5 21.0 31.6
265 38.7 22.6 33.8

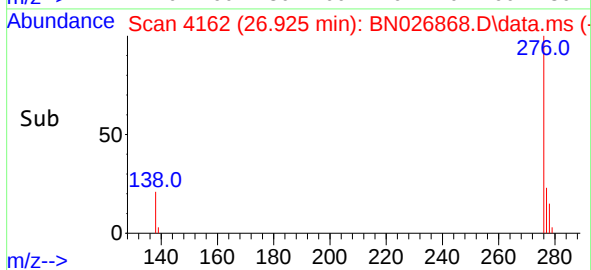
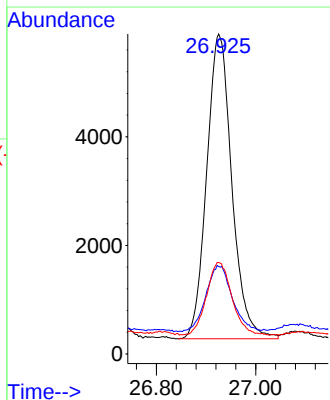
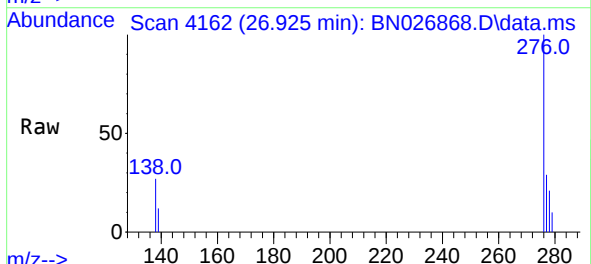
Manual Integrations
APPROVED

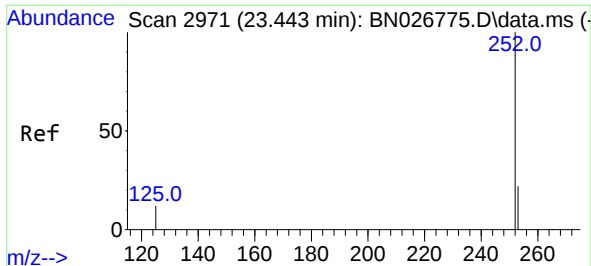
Reviewed By :Yogesh Patel 08/10/2023
Supervised By :mohammad ahmed 08/10/2023



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.148 ng
RT: 26.925 min Scan# 4162
Delta R.T. -0.014 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

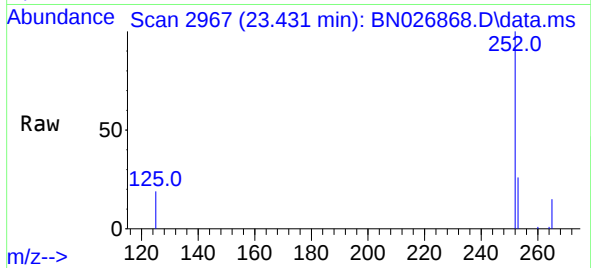
Tgt Ion:276 Resp: 19757
Ion Ratio Lower Upper
276 100
138 22.3 22.8 34.2#
277 24.2 19.9 29.9





#37
Benzo(b)fluoranthene
Concen: 0.320 ng
RT: 23.431 min Scan# 2967
Delta R.T. -0.005 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

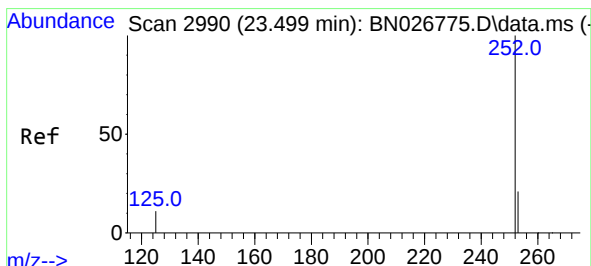
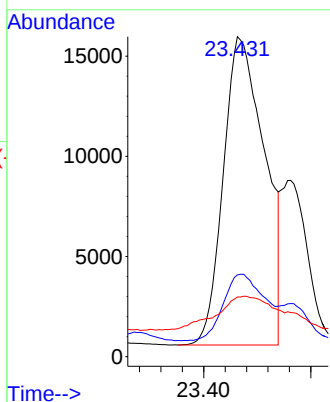
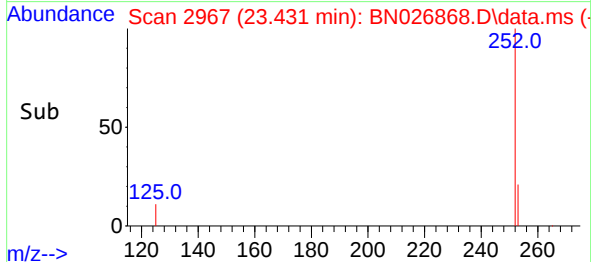
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



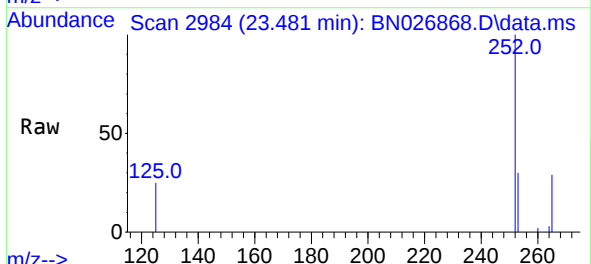
Tgt Ion:252 Resp: 41120
Ion Ratio Lower Upper
252 100
253 25.5 17.8 26.8
125 18.6 10.8 16.2

Manual Integrations
APPROVED

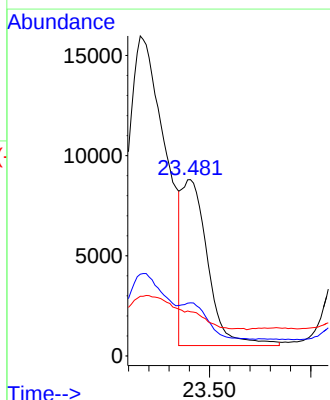
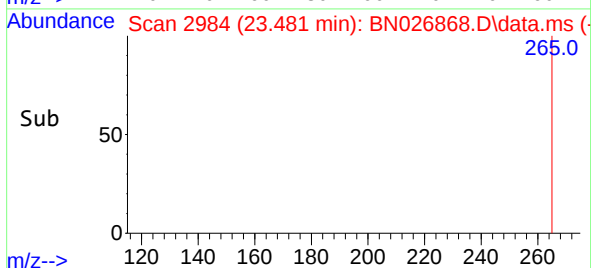
Reviewed By :Yogesh Patel 08/10/2023
Supervised By :mohammad ahmed 08/10/2023

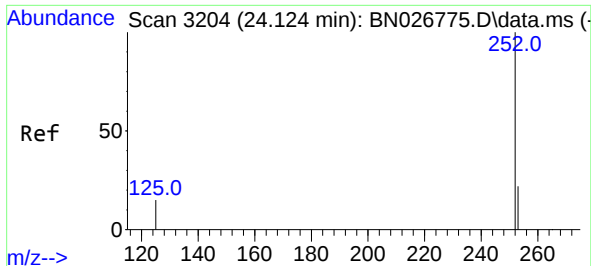


#38
Benzo(k)fluoranthene
Concen: 0.113 ng m
RT: 23.481 min Scan# 2984
Delta R.T. -0.008 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07



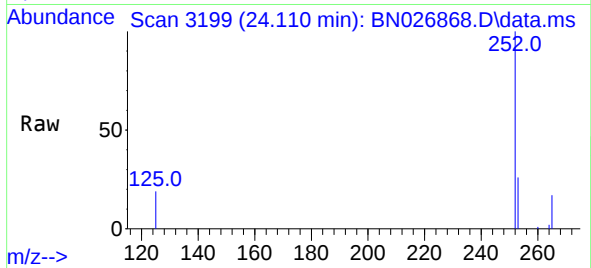
Tgt Ion:252 Resp: 14899
Ion Ratio Lower Upper
252 100
253 30.1 18.0 27.0#
125 25.0 9.4 14.2#





#39
Benzo(a)pyrene
Concen: 0.279 ng
RT: 24.110 min Scan# 3199
Delta R.T. -0.011 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

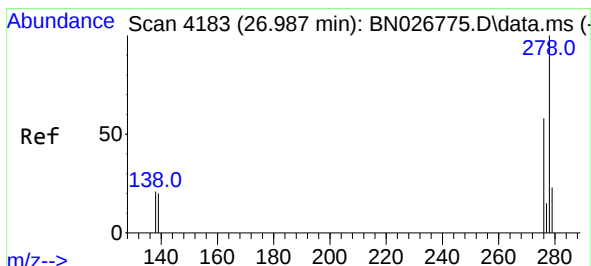
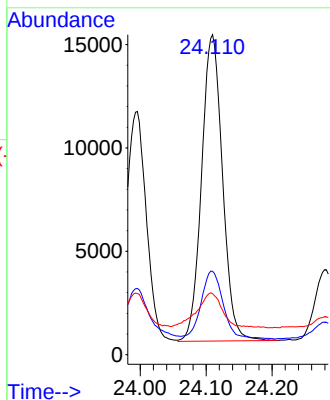
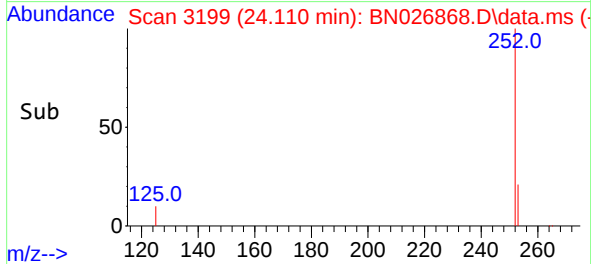
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



Tgt Ion:252 Resp: 32690
Ion Ratio Lower Upper
252 100
253 26.1 18.5 27.7
125 19.1 12.7 19.1

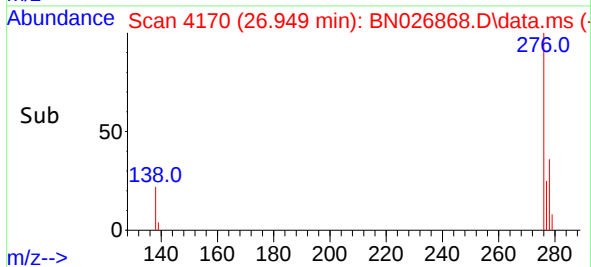
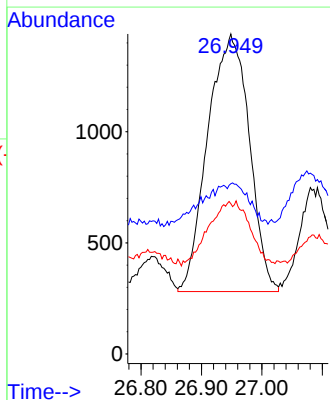
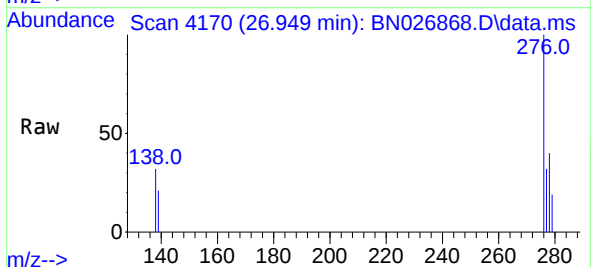
Manual Integrations
APPROVED

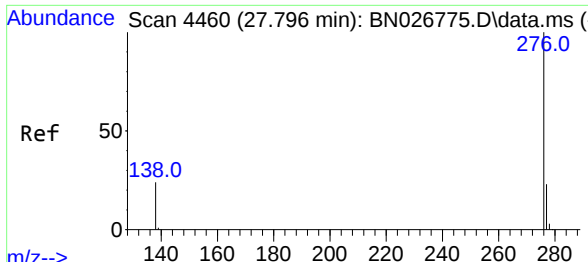
Reviewed By :Yogesh Patel 08/10/2023
Supervised By :mohammad ahmed 08/10/2023



#40
Dibenzo(a,h)anthracene
Concen: 0.053 ng m
RT: 26.949 min Scan# 4170
Delta R.T. -0.020 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

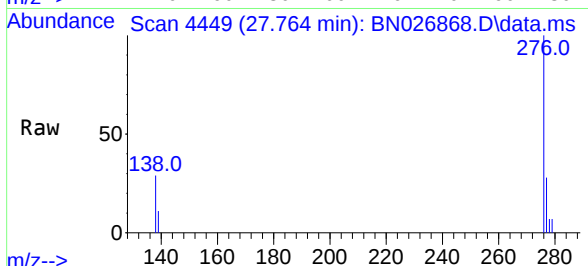
Tgt Ion:278 Resp: 5524
Ion Ratio Lower Upper
278 100
139 53.2 16.8 25.2#
279 46.9 19.5 29.3#





#41
 Benzo(g,h,i)perylene
 Concen: 0.178 ng
 RT: 27.764 min Scan# 44
 Delta R.T. -0.026 min
 Lab File: BN026868.D
 Acq: 09 Aug 2023 15:07

Instrument :
 BNA_N
 ClientSampleId :
 BUILDING-B-21-(0-5)



Tgt Ion:276	Resp:	21728
Ion Ratio	Lower	Upper
276	100	
277	27.8	19.1 28.7
138	28.8	19.8 29.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/10/2023
 Supervised By :mohammad ahmed 08/10/2023

