

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080923\
 Data File : BN026850.D
 Acq On : 08 Aug 2023 17:26
 Operator : MA/JU
 Sample : 03815-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Aug 09 01:11:19 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	7029	0.400	ng	0.00
7) Naphthalene-d8	10.938	136	19503	0.400	ng	0.00
13) Acenaphthene-d10	14.737	164	11789	0.400	ng	0.00
19) Phenanthrene-d10	17.480	188	28841	0.400	ng	0.00
29) Chrysene-d12	21.659	240	21989	0.400	ng	0.00
35) Perylene-d12	24.215	264	20235	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.618	112	108807	6.112	ng	0.00
5) Phenol-d6	7.235	99	139248	6.041	ng	0.00
8) Nitrobenzene-d5	9.294	82	47583	4.120	ng	0.00
11) 2-Methylnaphthalene-d10	12.509	152	11105	0.397	ng	0.00
14) 2,4,6-Tribromophenol	16.214	330	26377	6.572	ng	-0.01
15) 2-Fluorobiphenyl	13.368	172	166768	3.465	ng	0.00
27) Fluoranthene-d10	19.500	212	28255	0.408	ng	0.00
31) Terphenyl-d14	20.090	244	212410	4.633	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.991	128	14156	0.264	ng	98
12) 2-Methylnaphthalene	12.581	142	4558	0.125	ng	97
16) Acenaphthylene	14.459	152	19468	0.334	ng	100
17) Acenaphthene	14.801	154	790	0.022	ng	93
18) Fluorene	15.779	166	3752	0.079	ng	# 90
25) Phenanthrene	17.517	178	52464	0.599	ng	100
26) Anthracene	17.616	178	15256	0.195	ng	100
28) Fluoranthene	19.532	202	102448	1.050	ng	99
30) Pyrene	19.895	202	135540	1.426	ng	99
32) Benzo(a)anthracene	21.641	228	70989	0.940	ng	95
33) Chrysene	21.694	228	62971	0.754	ng	97
34) Bis(2-ethylhexyl)phtha...	21.533	149	7373	0.295	ng	100
36) Indeno(1,2,3-cd)pyrene	26.910	276	31053	0.376	ng	93
37) Benzo(b)fluoranthene	23.425	252	70656	0.887	ng	98
38) Benzo(k)fluoranthene	23.472	252	27148m	0.332	ng	
39) Benzo(a)pyrene	24.098	252	56303	0.775	ng	99
40) Dibenzo(a,h)anthracene	26.934	278	8324m	0.130	ng	
41) Benzo(g,h,i)perylene	27.752	276	33051	0.435	ng	98

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

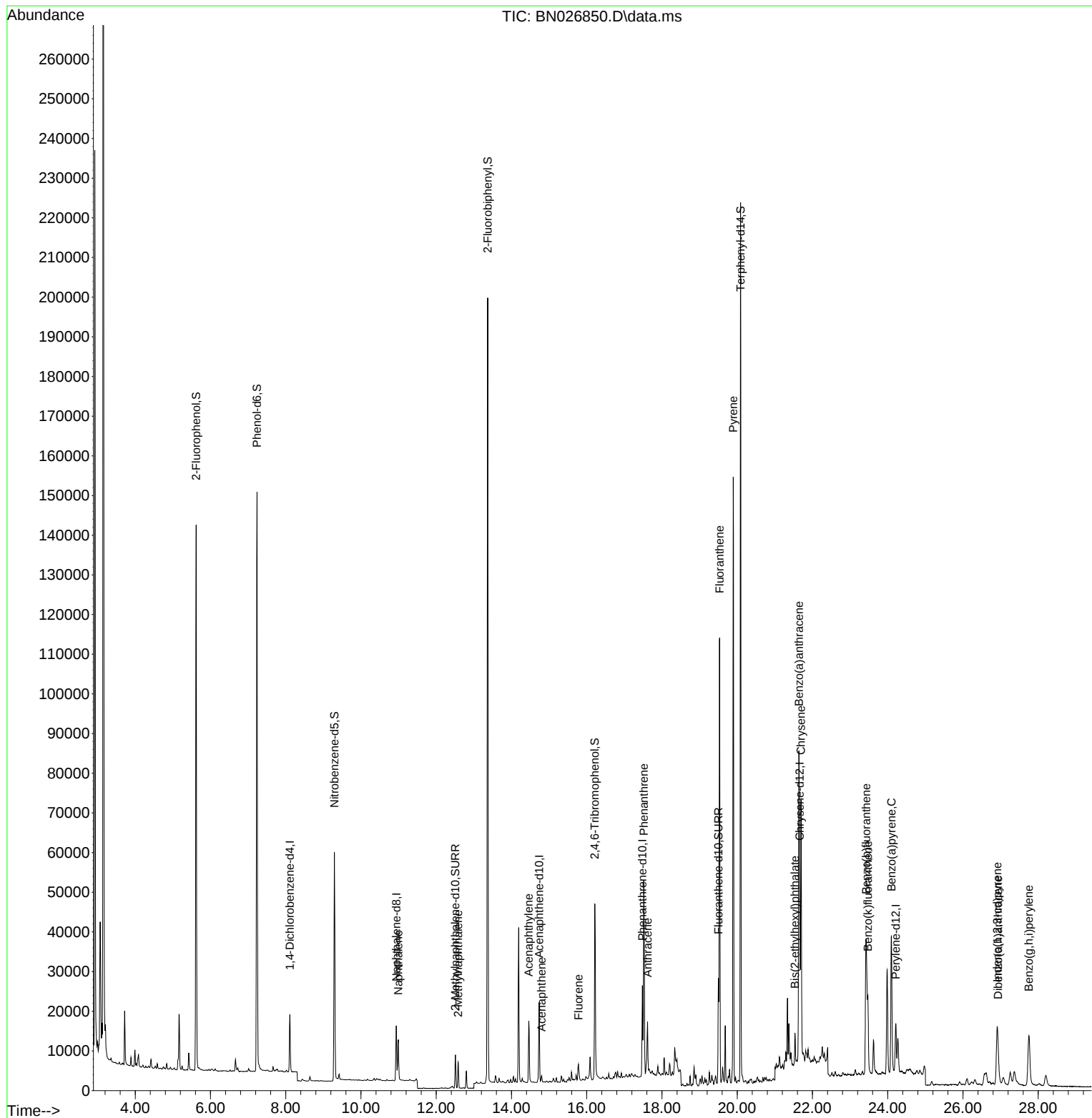
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080923\
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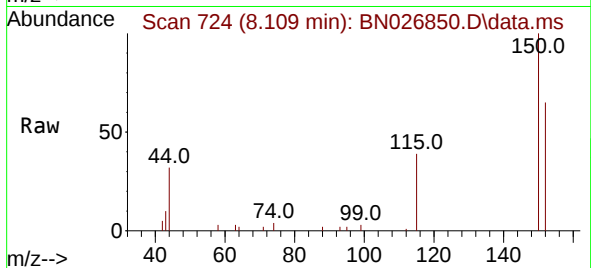
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.109 min Scan# 71
Delta R.T. -0.001 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

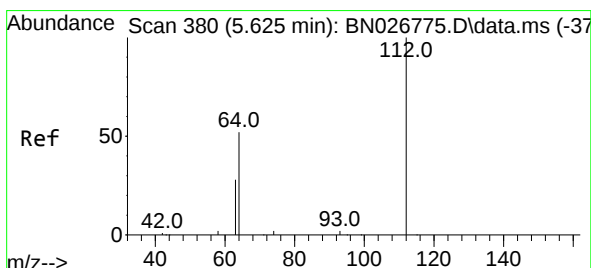
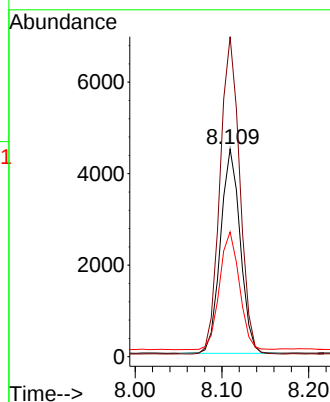
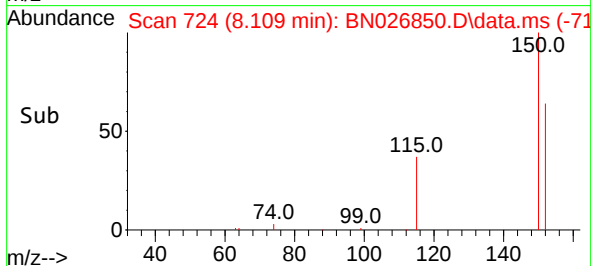
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



Tgt Ion:152 Resp: 7029
Ion Ratio Lower Upper
152 100
150 154.1 123.8 185.8
115 60.1 48.0 72.0

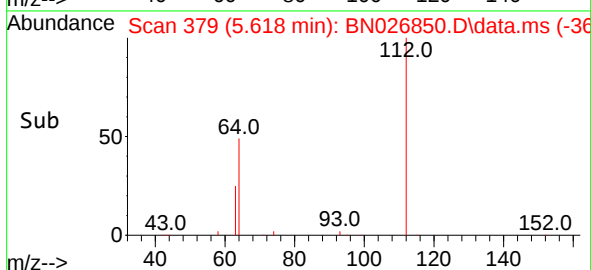
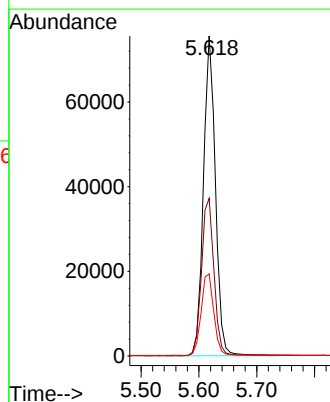
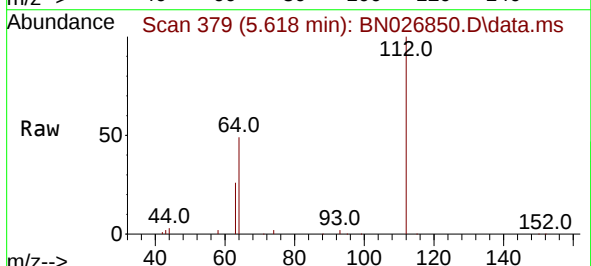
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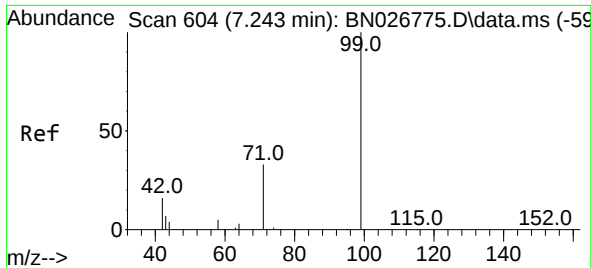
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#4
2-Fluorophenol
Concen: 6.112 ng
RT: 5.618 min Scan# 379
Delta R.T. -0.000 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

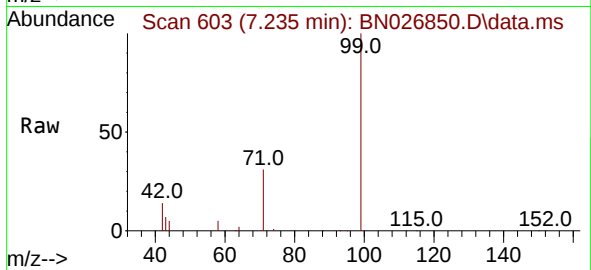
Tgt Ion:112 Resp: 108807
Ion Ratio Lower Upper
112 100
64 51.6 42.2 63.2
63 27.0 22.7 34.1





#5
Phenol-d6
Concen: 6.041 ng
RT: 7.235 min Scan# 604
Delta R.T. -0.000 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

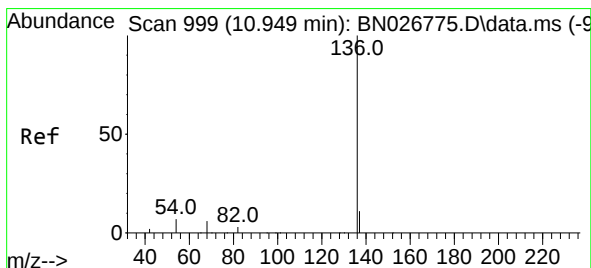
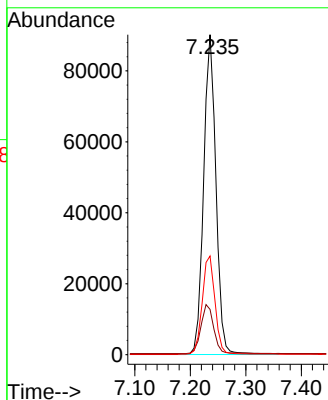
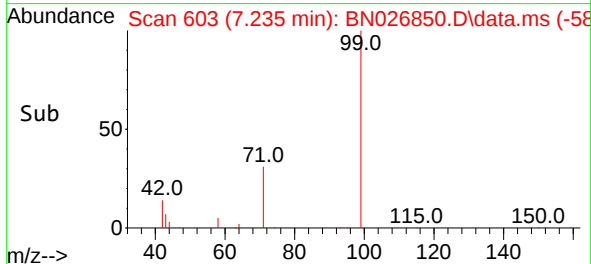
Instrument :
BNA_N
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BUILDING-B-21-(0-5)



Tgt Ion: 99 Resp: 139248
Ion Ratio Lower Upper
99 100
42 16.1 14.6 22.0
71 32.0 26.6 40.0

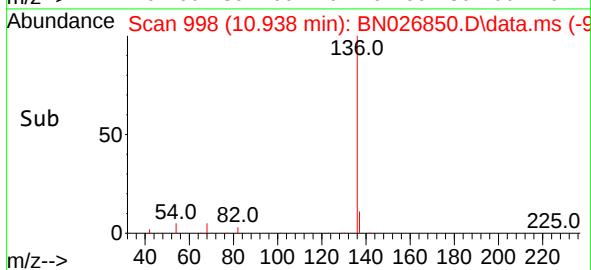
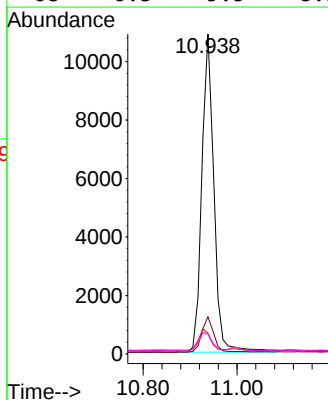
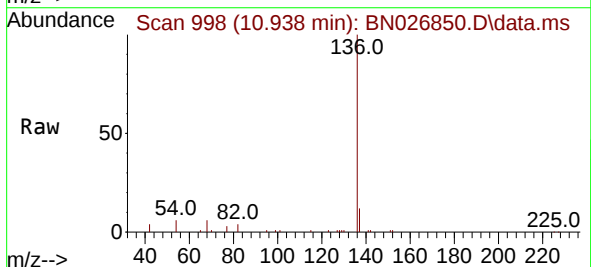
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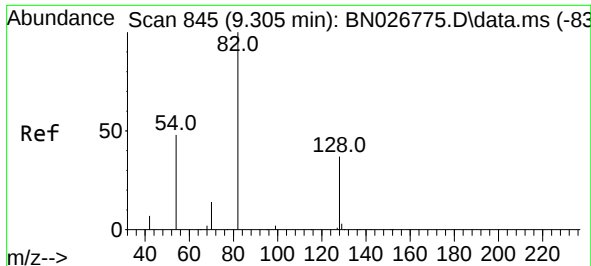
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.938 min Scan# 998
Delta R.T. -0.000 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

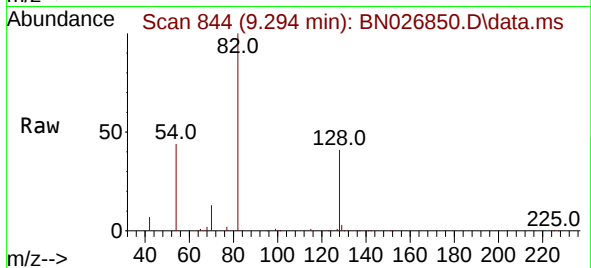
Tgt Ion:136 Resp: 19503
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.4
54 6.5 6.2 9.2
68 6.3 5.5 8.3





#8
Nitrobenzene-d5
Concen: 4.120 ng
RT: 9.294 min Scan# 845
Delta R.T. -0.000 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

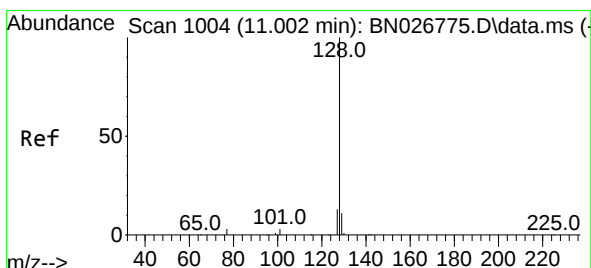
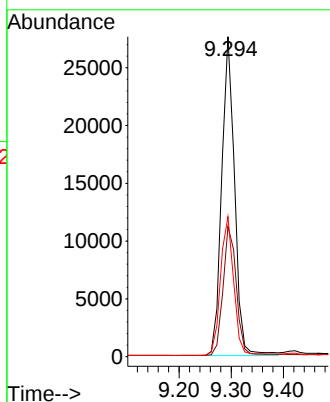
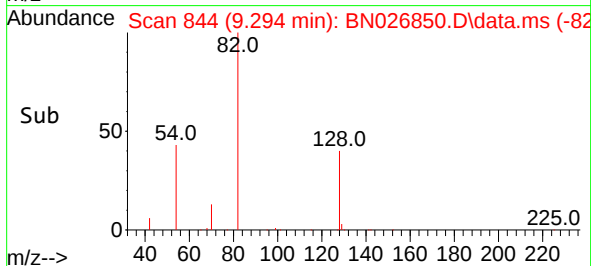
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



Tgt Ion: 82 Resp: 4758
Ion Ratio Lower Upper
82 100
128 40.7 30.5 45.7
54 43.7 39.4 59.2

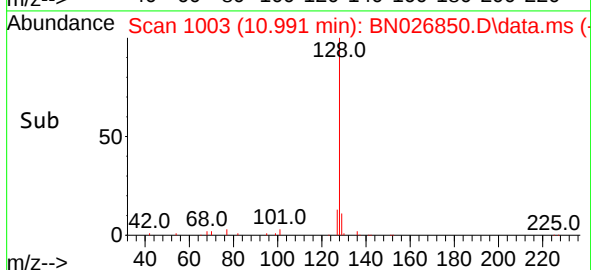
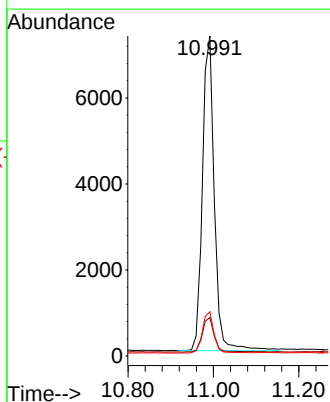
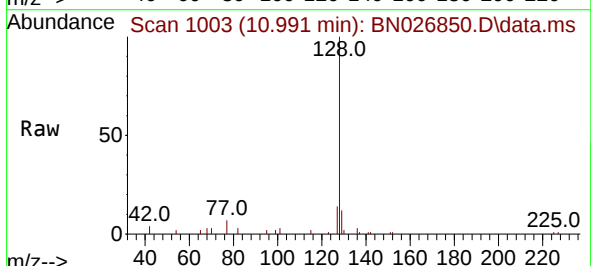
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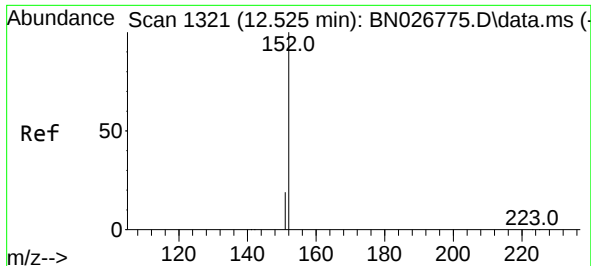
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#9
Naphthalene
Concen: 0.264 ng
RT: 10.991 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

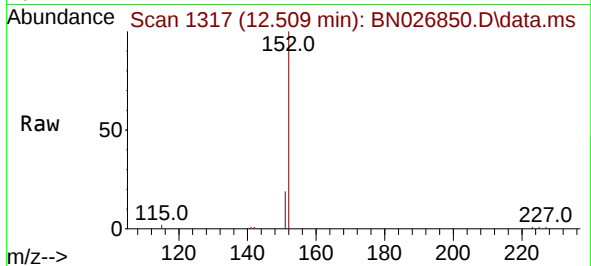
Tgt Ion:128 Resp: 14156
Ion Ratio Lower Upper
128 100
129 12.0 9.0 13.4
127 13.8 10.6 16.0





#11
2-Methylnaphthalene-d10
Concen: 0.397 ng
RT: 12.509 min Scan# 1110
Delta R.T. -0.004 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

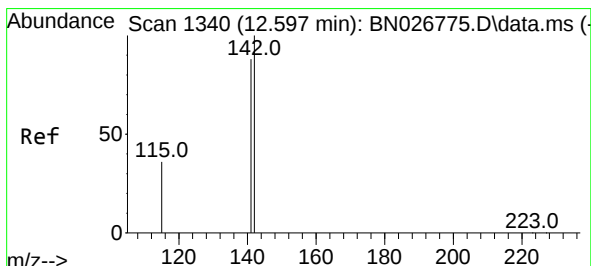
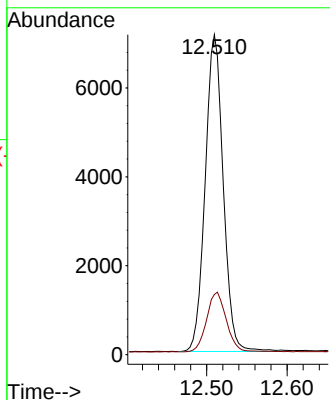
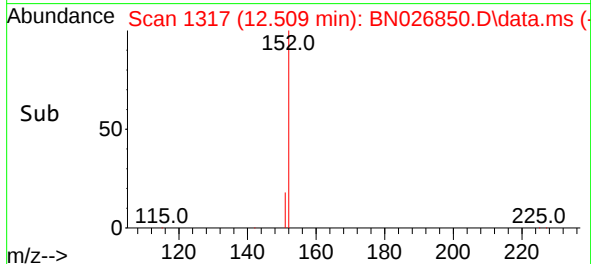
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



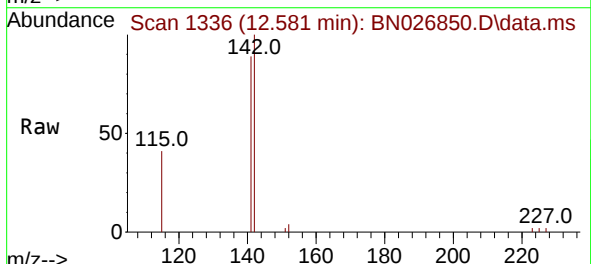
Tgt Ion:152 Resp: 1110
Ion Ratio Lower Upper
152 100
151 20.7 16.5 24.7

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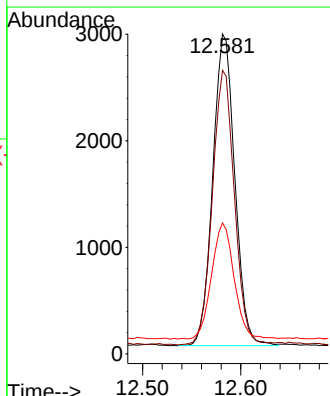
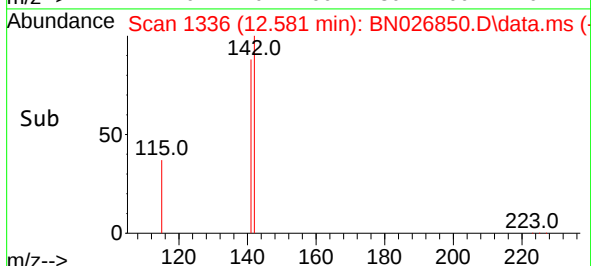
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

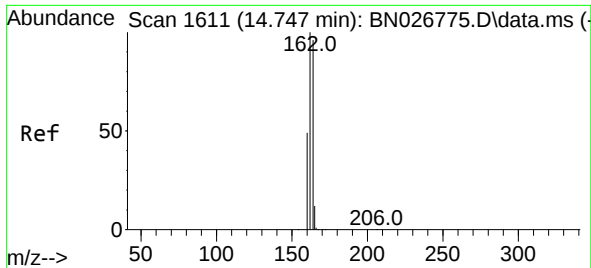


#12
2-Methylnaphthalene
Concen: 0.125 ng
RT: 12.581 min Scan# 1336
Delta R.T. -0.004 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26



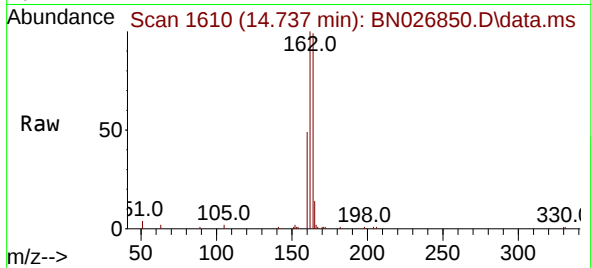
Tgt Ion:142 Resp: 4558
Ion Ratio Lower Upper
142 100
141 88.6 70.3 105.5
115 41.0 29.2 43.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.737 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

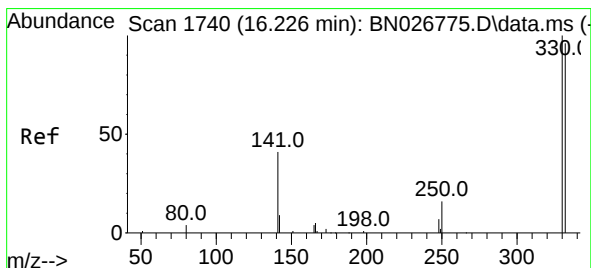
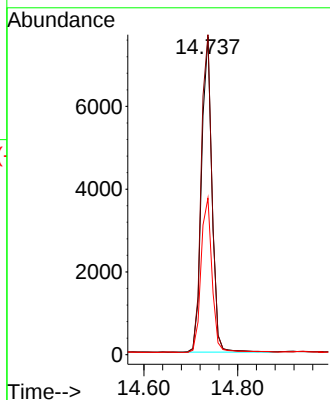
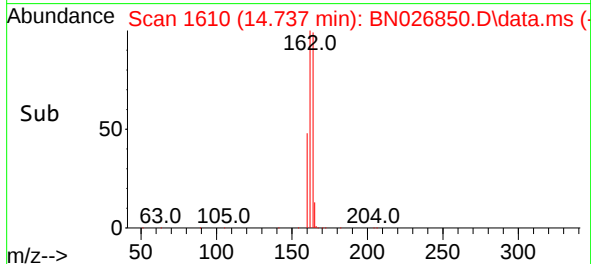
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



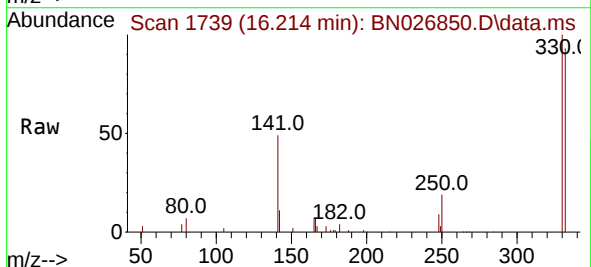
Tgt Ion:164 Resp: 1178
Ion Ratio Lower Upper
164 100
162 100.7 83.0 124.6
160 49.3 40.8 61.2

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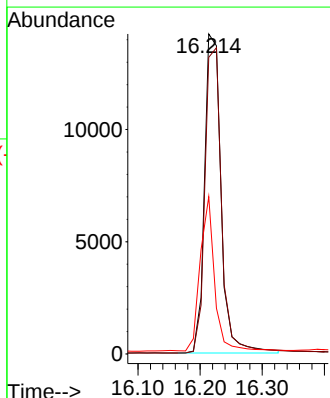
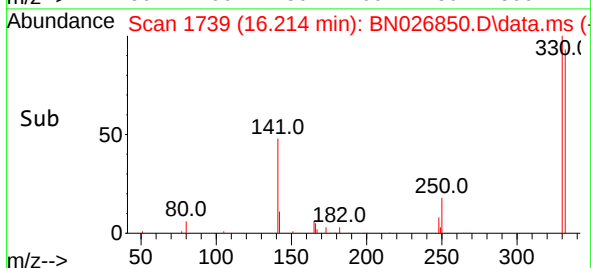
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

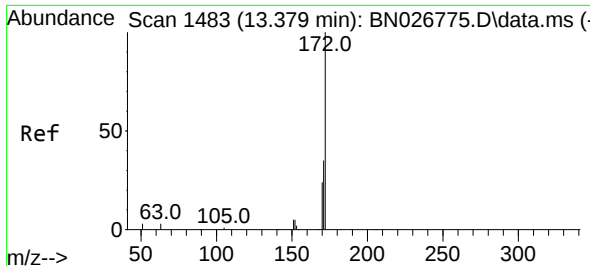


#14
2,4,6-Tribromophenol
Concen: 6.572 ng
RT: 16.214 min Scan# 1739
Delta R.T. -0.013 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26



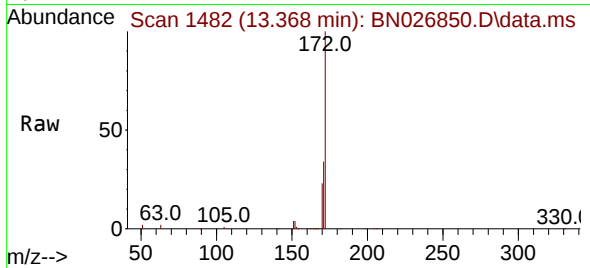
Tgt Ion:330 Resp: 26377
Ion Ratio Lower Upper
330 100
332 96.1 77.8 116.6
141 41.9 34.8 52.2





#15
2-Fluorobiphenyl
Concen: 3.465 ng
RT: 13.368 min Scan# 1482
Delta R.T. -0.000 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

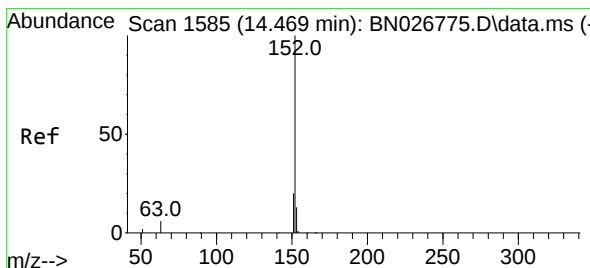
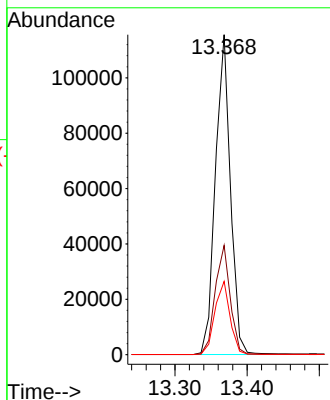
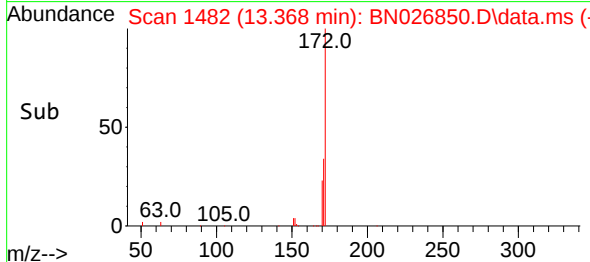
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



Tgt Ion:172 Resp: 166768
Ion Ratio Lower Upper
172 100
171 34.1 28.0 42.0
170 22.9 19.2 28.8

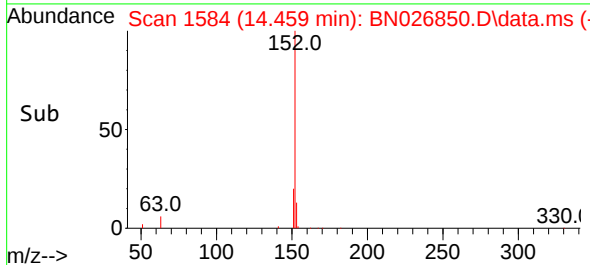
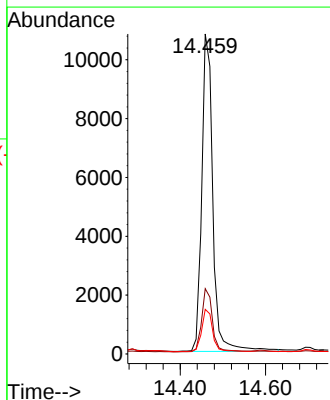
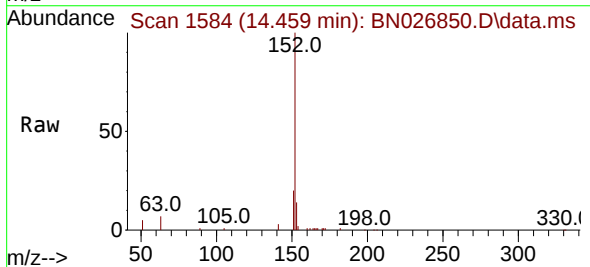
Manual Integrations
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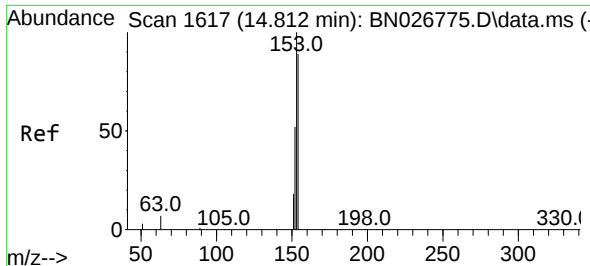
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#16
Acenaphthylene
Concen: 0.334 ng
RT: 14.459 min Scan# 1584
Delta R.T. -0.011 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

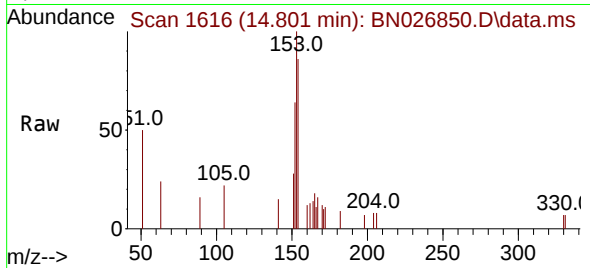
Tgt Ion:152 Resp: 19468
Ion Ratio Lower Upper
152 100
151 19.3 15.7 23.5
153 13.2 10.5 15.7





#17
Acenaphthene
Concen: 0.022 ng
RT: 14.801 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

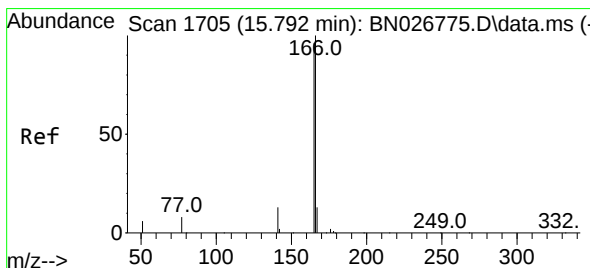
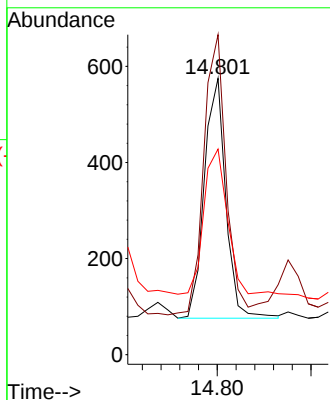
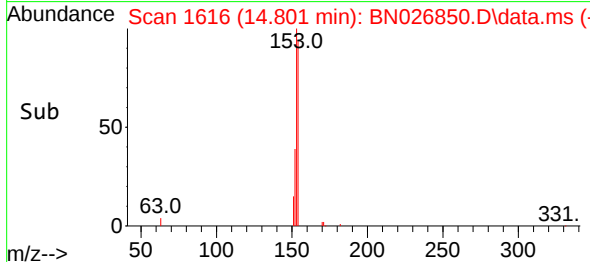
Instrument :
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ClientSampleId :
BUILDING-B-21-(0-5)



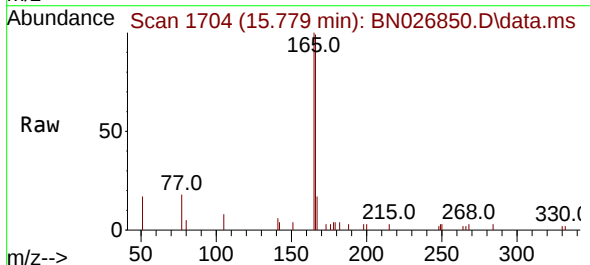
Tgt Ion:154 Resp: 790
Ion Ratio Lower Upper
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153 120.8 90.0 135.0
152 65.6 48.6 73.0

Manual Integrations
APPROVED

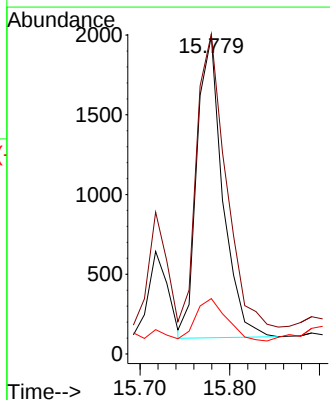
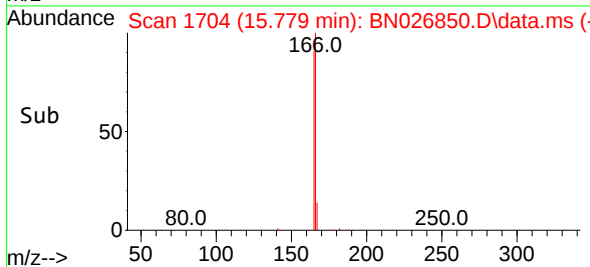
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

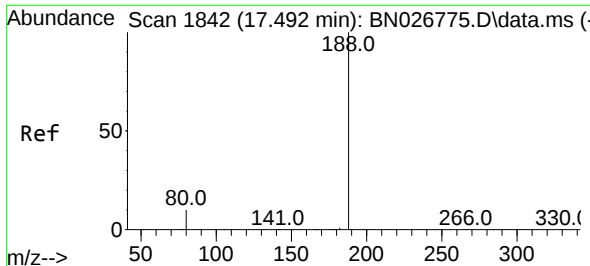


#18
Fluorene
Concen: 0.079 ng
RT: 15.779 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26



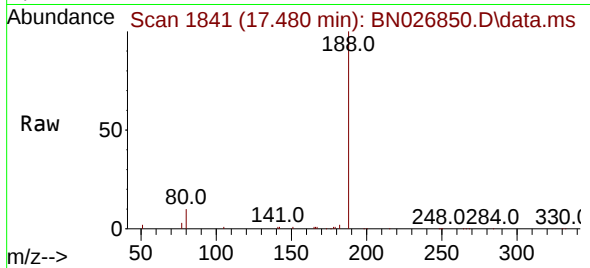
Tgt Ion:166 Resp: 3752
Ion Ratio Lower Upper
166 100
165 109.4 79.0 118.6
167 16.8 10.9 16.3#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.480 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

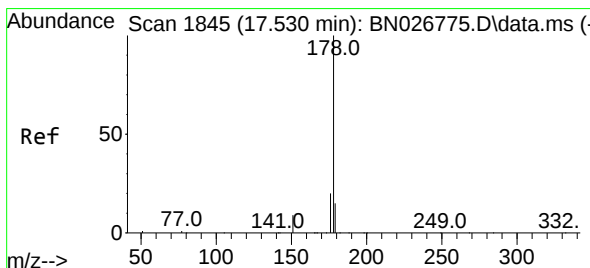
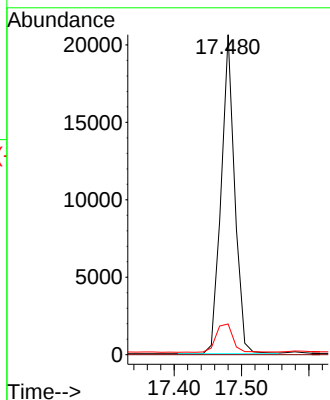
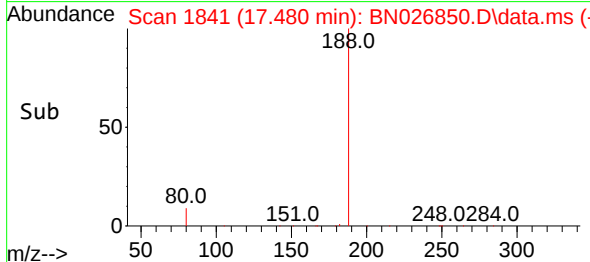
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



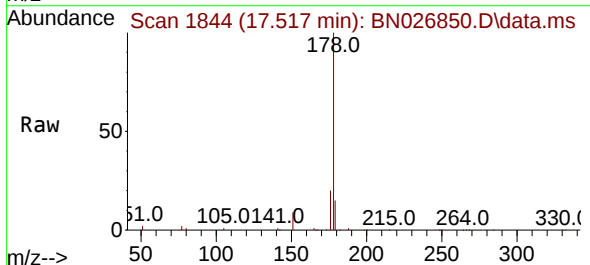
Tgt Ion:188 Resp: 2884
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.6 8.0 12.0

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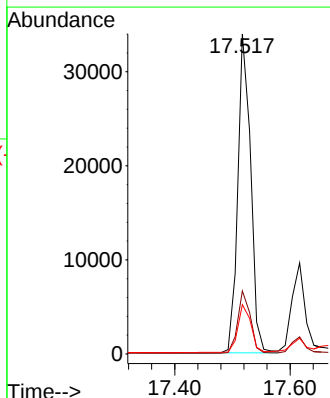
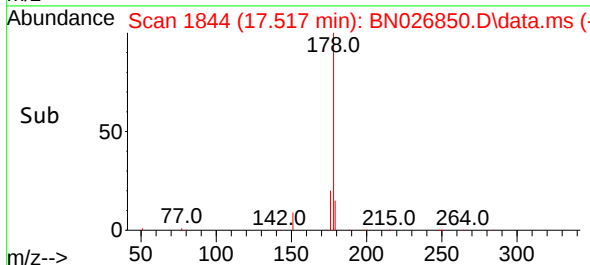
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

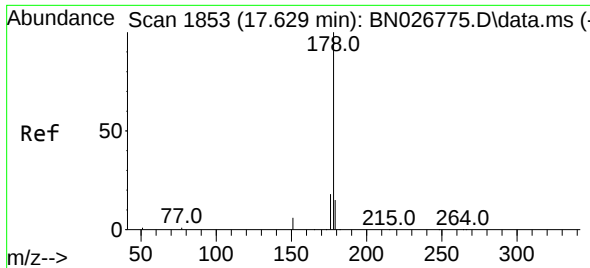


#25
Phenanthrene
Concen: 0.599 ng
RT: 17.517 min Scan# 1844
Delta R.T. -0.013 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26



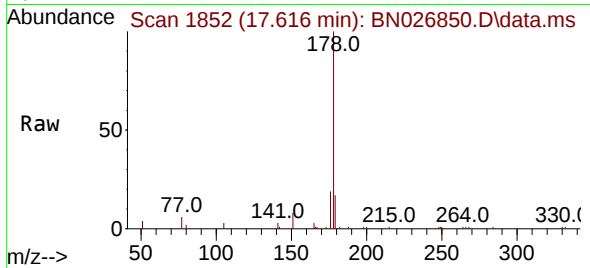
Tgt Ion:178 Resp: 52464
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.7 12.2 18.2





#26
 Anthracene
 Concen: 0.195 ng
 RT: 17.616 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN026850.D
 Acq: 08 Aug 2023 17:26

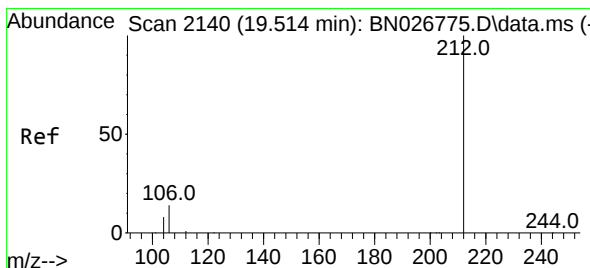
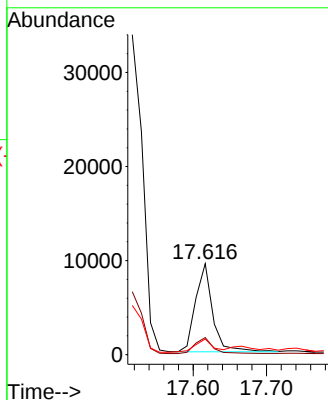
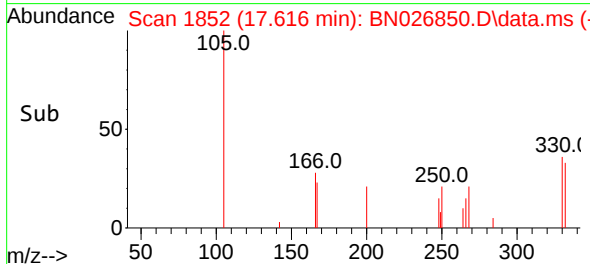
Instrument :
 BNA_N
 ClientSampleId :
 BUILDING-B-21-(0-5)



Tgt Ion:178 Resp: 15250
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.9 22.3
 179 15.3 12.2 18.2

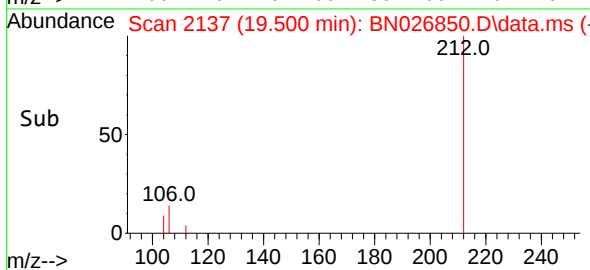
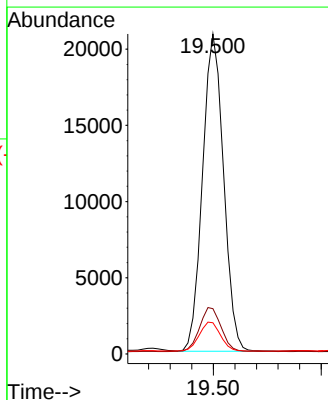
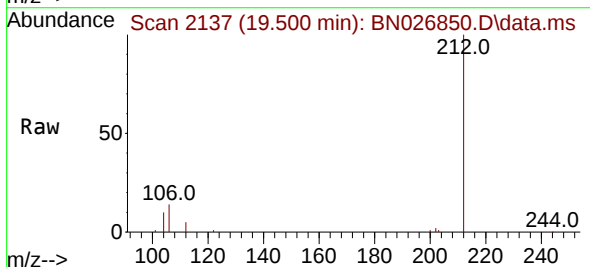
Manual Integrations
 APPROVED

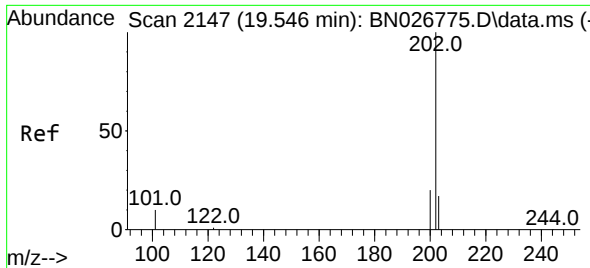
Reviewed By :Yogesh Patel 08/09/2023
 Supervised By :mohammad ahmed 08/09/2023



#27
 Fluoranthene-d10
 Concen: 0.408 ng
 RT: 19.500 min Scan# 2137
 Delta R.T. -0.005 min
 Lab File: BN026850.D
 Acq: 08 Aug 2023 17:26

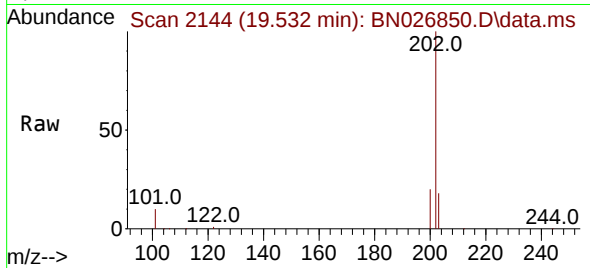
Tgt Ion:212 Resp: 28255
 Ion Ratio Lower Upper
 212 100
 106 14.4 11.7 17.5
 104 9.1 6.4 9.6





#28
Fluoranthene
Concen: 1.050 ng
RT: 19.532 min Scan# 2144
Delta R.T. -0.000 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

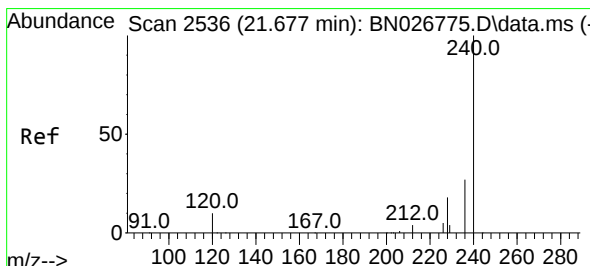
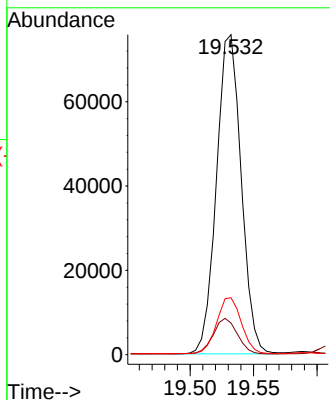
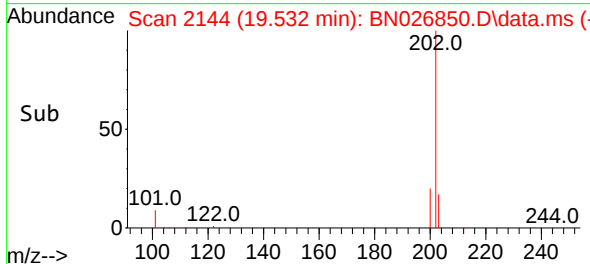
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



Tgt Ion:202 Resp: 102448
Ion Ratio Lower Upper
202 100
101 11.0 9.2 13.8
203 17.6 13.7 20.5

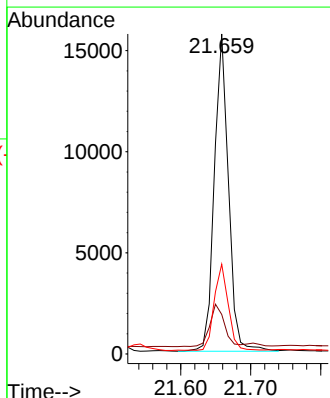
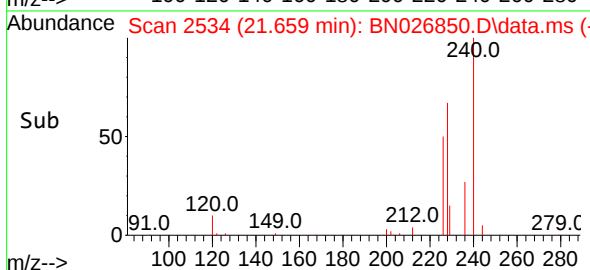
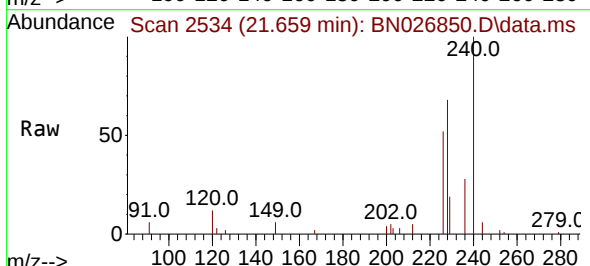
Manual Integrations
APPROVED

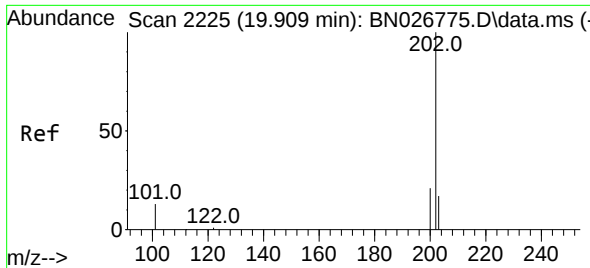
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.659 min Scan# 2534
Delta R.T. -0.009 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

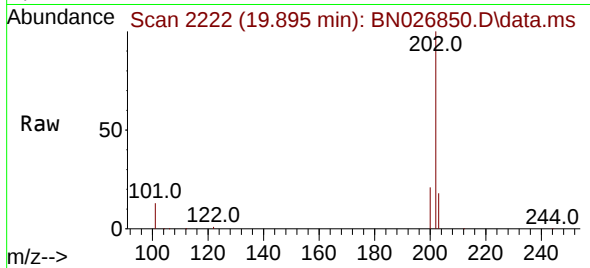
Tgt Ion:240 Resp: 21989
Ion Ratio Lower Upper
240 100
120 12.3 9.2 13.8
236 28.1 21.9 32.9





#30
Pyrene
Concen: 1.426 ng
RT: 19.895 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

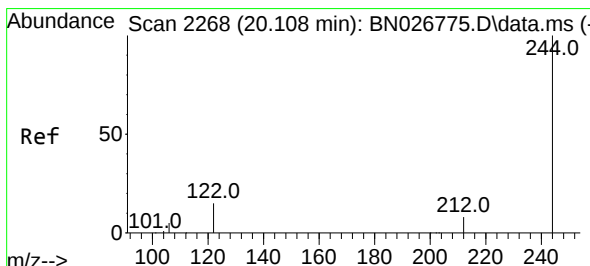
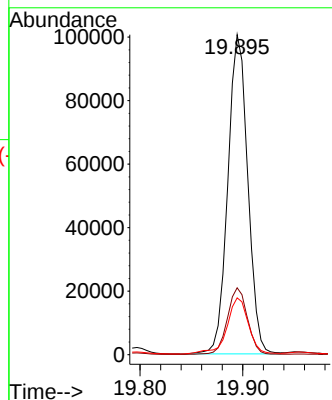
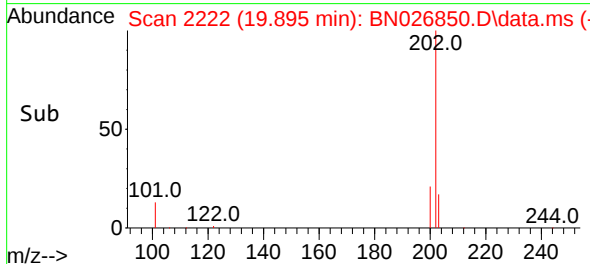
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



Tgt Ion:202 Resp: 135540
Ion Ratio Lower Upper
202 100
200 20.8 16.8 25.2
203 18.8 14.2 21.2

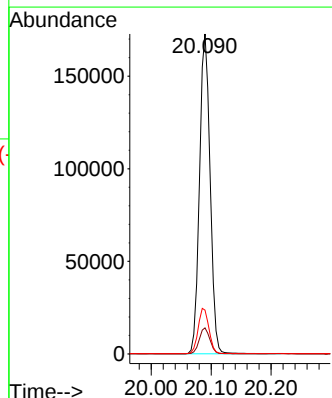
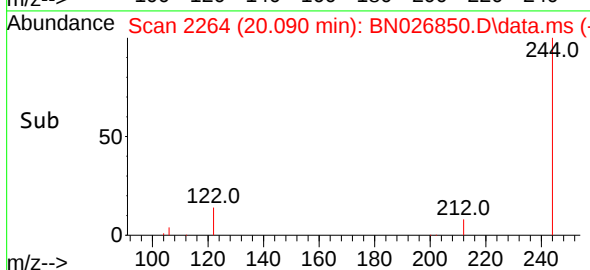
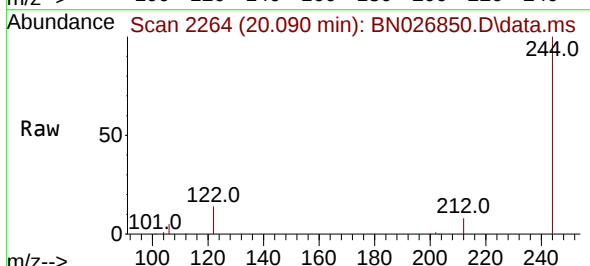
Manual Integrations
APPROVED

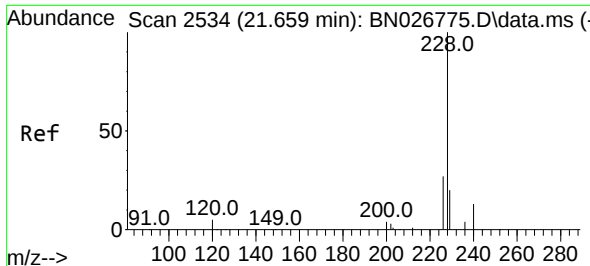
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#31
Terphenyl-d14
Concen: 4.633 ng
RT: 20.090 min Scan# 2264
Delta R.T. -0.005 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

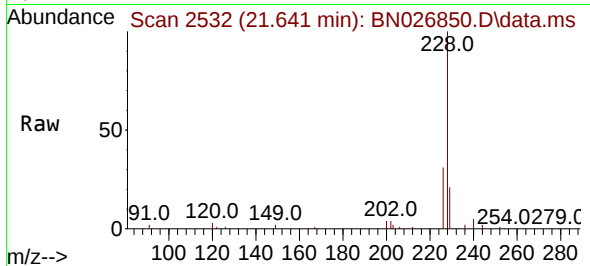
Tgt Ion:244 Resp: 212410
Ion Ratio Lower Upper
244 100
212 8.2 7.0 10.4
122 13.7 12.3 18.5





#32
Benzo(a)anthracene
Concen: 0.940 ng
RT: 21.641 min Scan# 21641
Delta R.T. -0.009 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

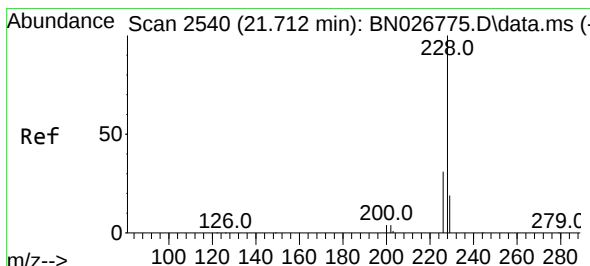
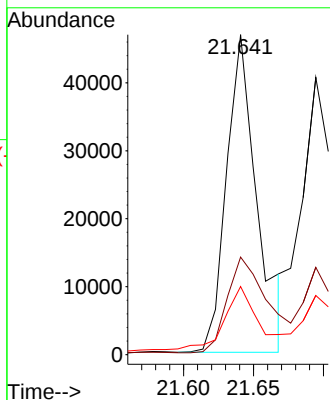
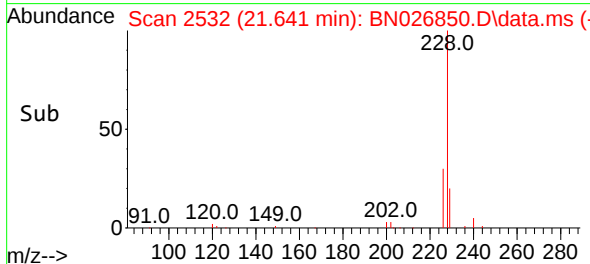
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



Tgt Ion:228 Resp: 70989
Ion Ratio Lower Upper
228 100
226 30.5 21.9 32.9
229 21.3 15.8 23.8

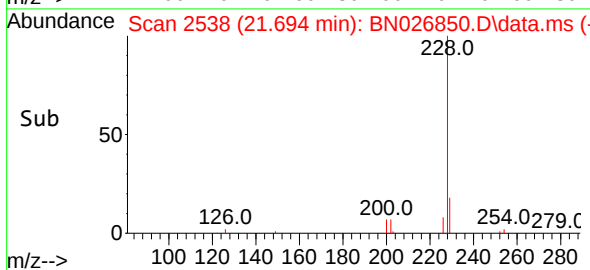
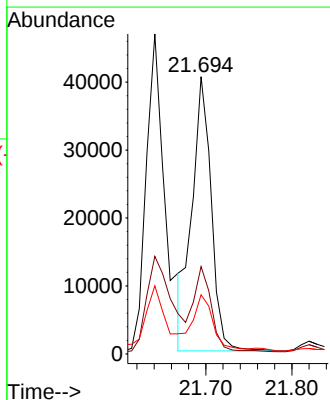
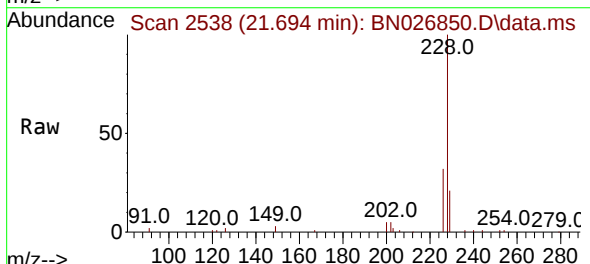
Manual Integrations
APPROVED

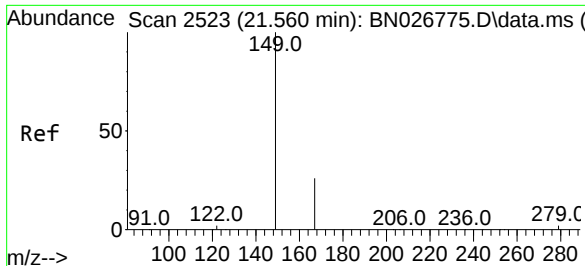
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#33
Chrysene
Concen: 0.754 ng
RT: 21.694 min Scan# 2538
Delta R.T. -0.009 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

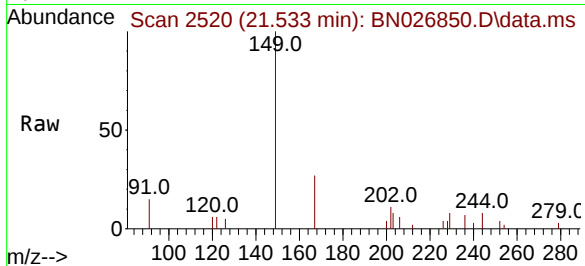
Tgt Ion:228 Resp: 62971
Ion Ratio Lower Upper
228 100
226 31.5 24.6 36.8
229 21.4 15.4 23.2





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.295 ng
RT: 21.533 min Scan# 2153
Delta R.T. -0.009 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

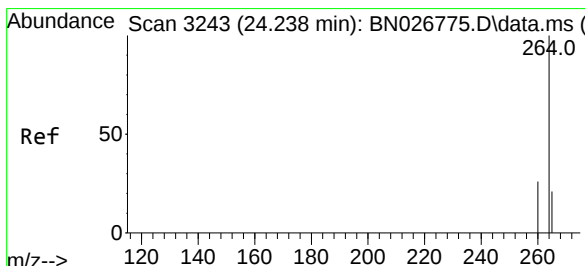
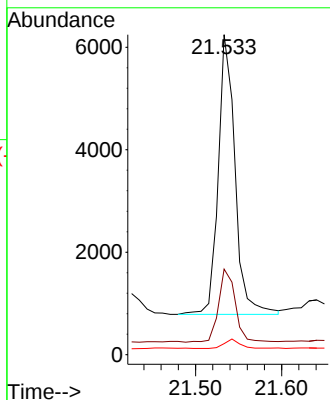
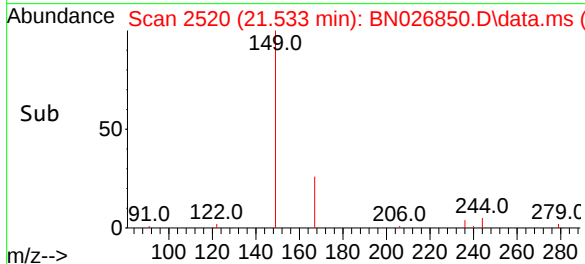
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



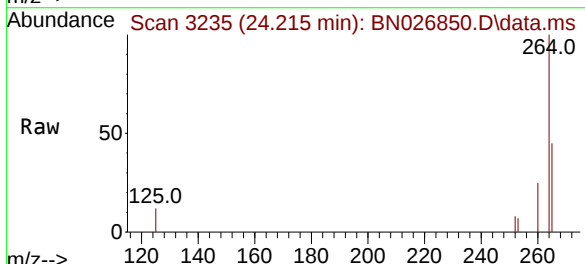
Tgt Ion:149 Resp: 737
Ion Ratio Lower Upper
149 100
167 26.1 20.8 31.2
279 3.2 2.4 3.6

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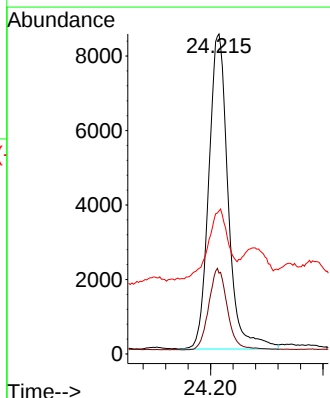
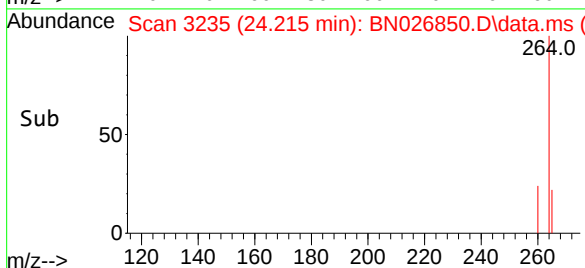
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

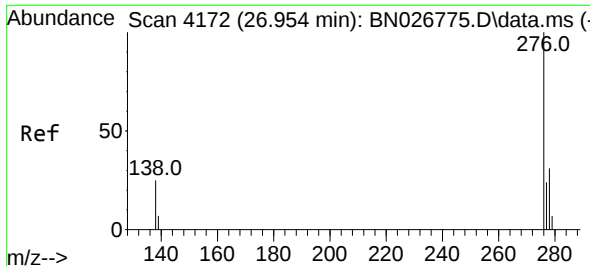


#35
Perylene-d12
Concen: 0.400 ng
RT: 24.215 min Scan# 3235
Delta R.T. -0.012 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26



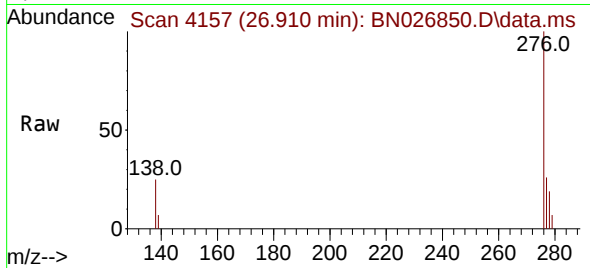
Tgt Ion:264 Resp: 20235
Ion Ratio Lower Upper
264 100
260 25.3 21.0 31.6
265 44.7 22.6 33.8#





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.376 ng
RT: 26.910 min Scan# 4172
Delta R.T. -0.021 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

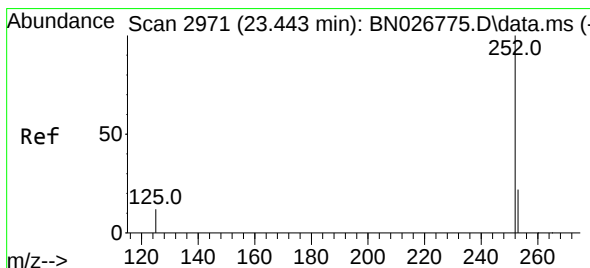
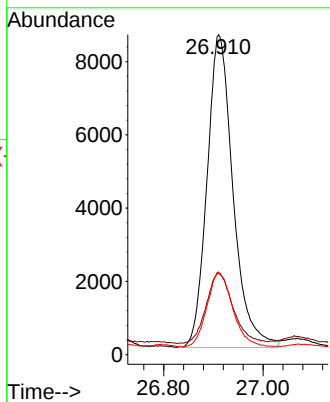
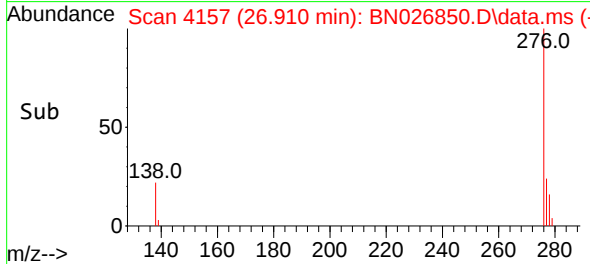
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



Tgt Ion:276 Resp: 3105
Ion Ratio Lower Upper
276 100
138 23.2 22.8 34.2
277 23.6 19.9 29.9

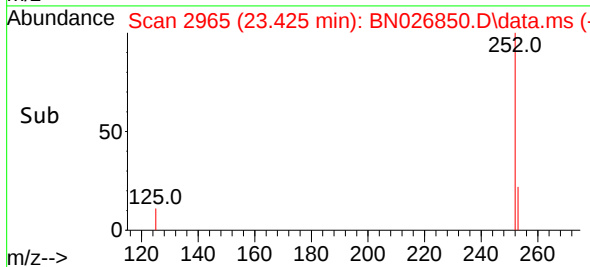
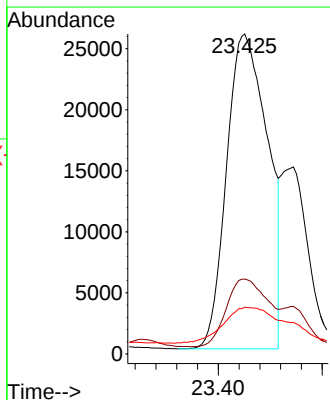
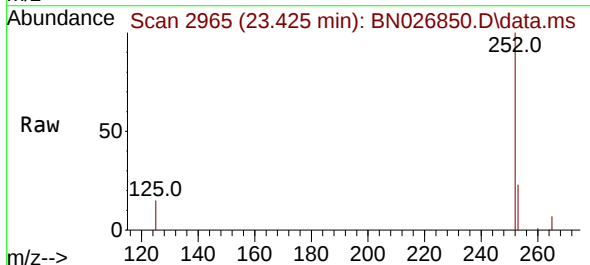
Manual Integrations
APPROVED

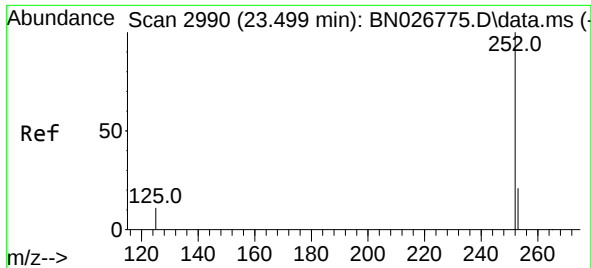
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#37
Benzo(b)fluoranthene
Concen: 0.887 ng
RT: 23.425 min Scan# 2965
Delta R.T. -0.006 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

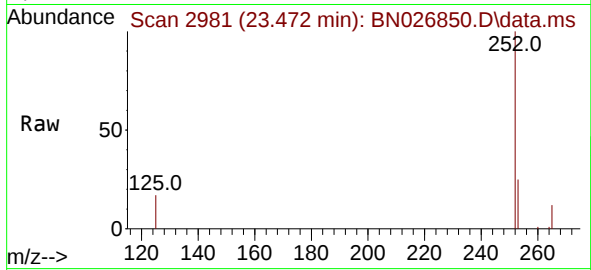
Tgt Ion:252 Resp: 70656
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 14.6 10.8 16.2





#38
Benzo(k)fluoranthene
Concen: 0.332 ng m
RT: 23.472 min Scan# 2990
Delta R.T. -0.012 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

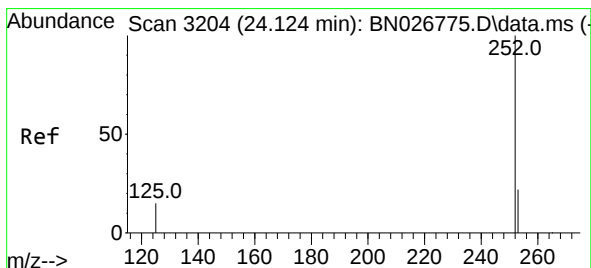
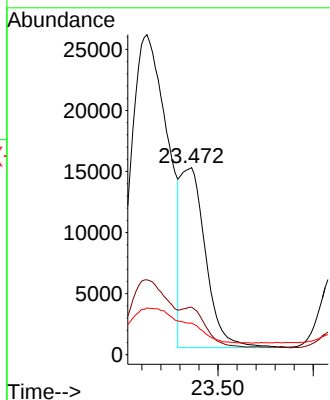
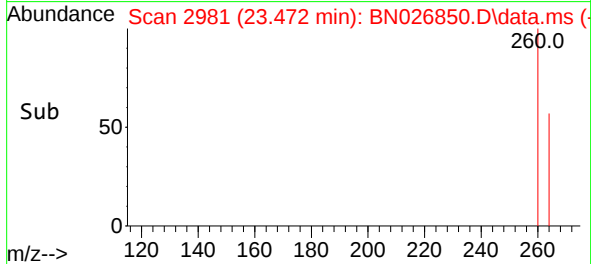
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



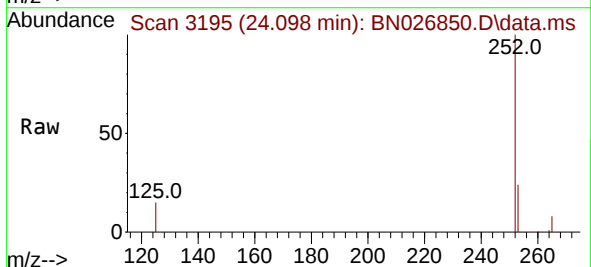
Tgt Ion:252 Resp: 27148
Ion Ratio Lower Upper
252 100
253 25.5 18.0 27.0
125 16.9 9.4 14.2

Manual Integrations
APPROVED

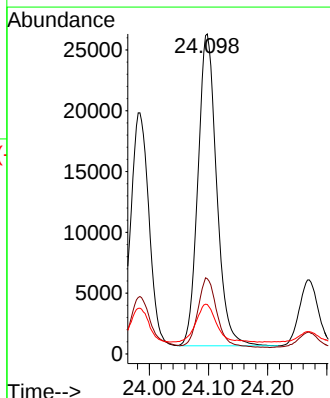
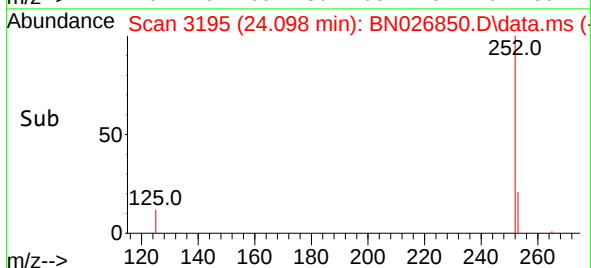
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

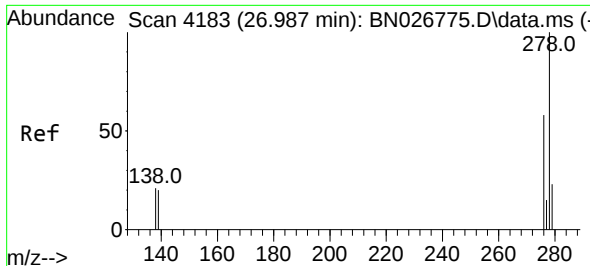


#39
Benzo(a)pyrene
Concen: 0.775 ng
RT: 24.098 min Scan# 3195
Delta R.T. -0.012 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26



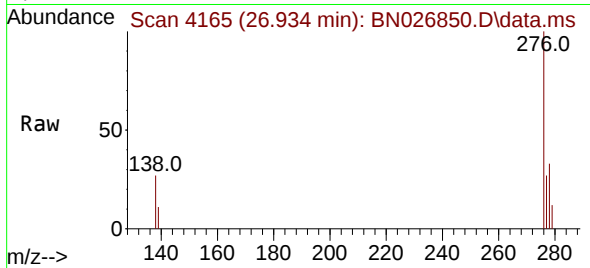
Tgt Ion:252 Resp: 56303
Ion Ratio Lower Upper
252 100
253 23.5 18.5 27.7
125 15.4 12.7 19.1





#40
Dibenzo(a,h)anthracene
Concen: 0.130 ng m
RT: 26.934 min Scan# 41
Delta R.T. -0.032 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26

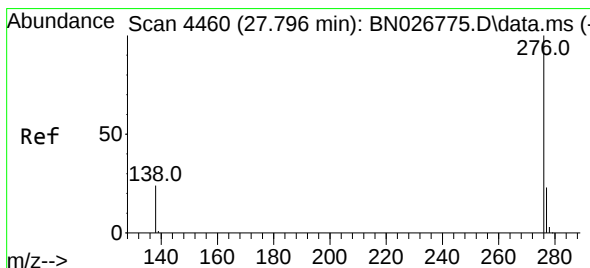
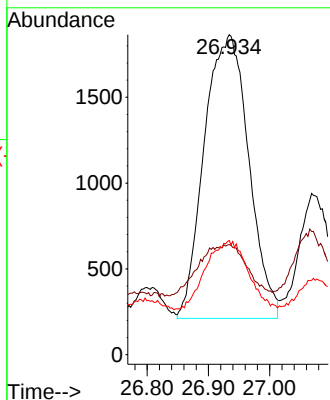
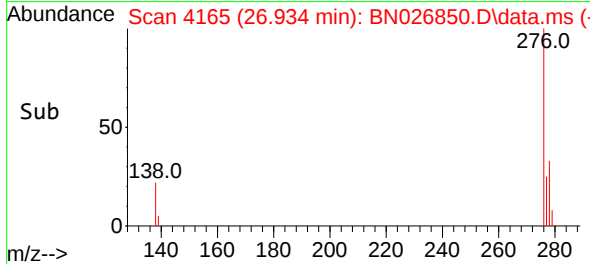
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)



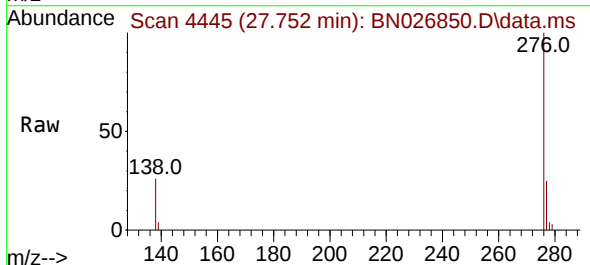
Tgt Ion:278 Resp: 8324
Ion Ratio Lower Upper
278 100
139 34.4 16.8 25.2
279 35.7 19.5 29.3

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 0.435 ng
RT: 27.752 min Scan# 4445
Delta R.T. -0.018 min
Lab File: BN026850.D
Acq: 08 Aug 2023 17:26



Tgt Ion:276 Resp: 33051
Ion Ratio Lower Upper
276 100
277 25.1 19.1 28.7
138 25.7 19.8 29.6

