

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080723\
 Data File : BN026830.D
 Acq On : 07 Aug 2023 14:38
 Operator : MA/JU
 Sample : 03840-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Aug 08 00:50:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 00:35:47 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.109	152	10784	0.400	ng	-0.01
7) Naphthalene-d8	10.938	136	31210	0.400	ng	-0.01
13) Acenaphthene-d10	14.737	164	18491	0.400	ng	-0.01
19) Phenanthrene-d10	17.480	188	37496	0.400	ng	-0.01
29) Chrysene-d12	21.659	240	27872	0.400	ng	#-0.02
35) Perylene-d12	24.218	264	26930	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.618	112	4528	0.166	ng	0.00
5) Phenol-d6	7.235	99	5555	0.157	ng	0.00
8) Nitrobenzene-d5	9.294	82	3224	0.174	ng	-0.01
11) 2-Methylnaphthalene-d10	12.513	152	7098	0.159	ng	-0.01
14) 2,4,6-Tribromophenol	16.226	330	1059	0.168	ng	0.00
15) 2-Fluorobiphenyl	13.368	172	10991	0.146	ng	-0.01
27) Fluoranthene-d10	19.500	212	13332	0.148	ng	-0.01
31) Terphenyl-d14	20.090	244	9837	0.169	ng	-0.02
Target Compounds						Qvalue
9) Naphthalene	10.991	128	16512	0.192	ng	99
12) 2-Methylnaphthalene	12.585	142	7600	0.130	ng	98
16) Acenaphthylene	14.469	152	64814	0.709	ng	# 97
17) Acenaphthene	14.801	154	9082	0.158	ng	# 87
18) Fluorene	15.779	166	53498	0.717	ng	# 94
25) Phenanthrene	17.530	178	439276	3.857	ng	99
26) Anthracene	17.616	178	85880	0.844	ng	99
28) Fluoranthene	19.532	202	221969	1.751	ng	97
30) Pyrene	19.895	202	350490	2.910	ng	97
32) Benzo(a)anthracene	21.641	228	127280	1.330	ng	94
33) Chrysene	21.703	228	129363	1.223	ng	# 96
34) Bis(2-ethylhexyl)phtha...	21.542	149	9203	0.290	ng	98
36) Indeno(1,2,3-cd)pyrene	26.913	276	42098	0.383	ng	93
37) Benzo(b)fluoranthene	23.428	252	93694	0.884	ng	97
38) Benzo(k)fluoranthene	23.475	252	28306m	0.260	ng	
39) Benzo(a)pyrene	24.101	252	94157	0.974	ng	97
40) Dibenzo(a,h)anthracene	26.931	278	13512m	0.158	ng	
41) Benzo(g,h,i)perylene	27.758	276	49821	0.493	ng	98

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

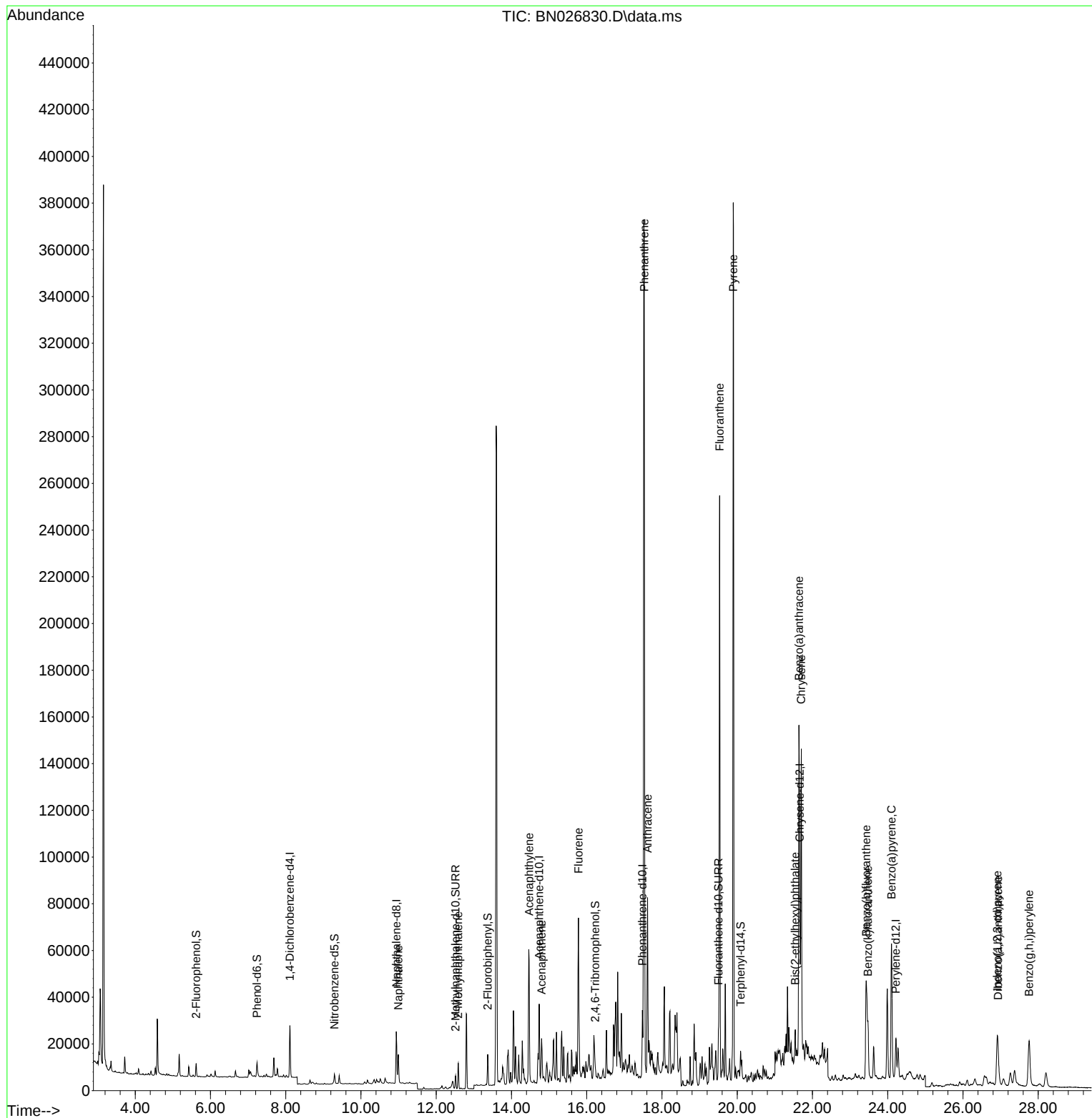
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080723\
Data File : BN026830.D
Acq On : 07 Aug 2023 14:38
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ALS Vial : 10 Sample Multiplier: 1

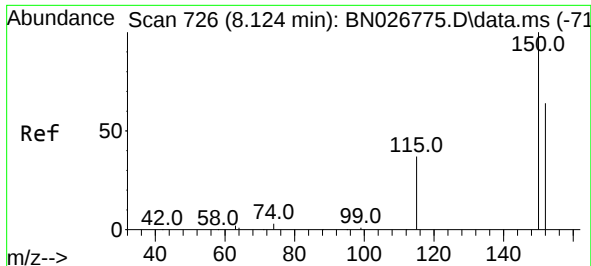
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-5-(5-10)

Quant Time: Aug 08 00:50:00 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 02 00:35:47 2023
Response via : Initial Calibration

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APPROVED

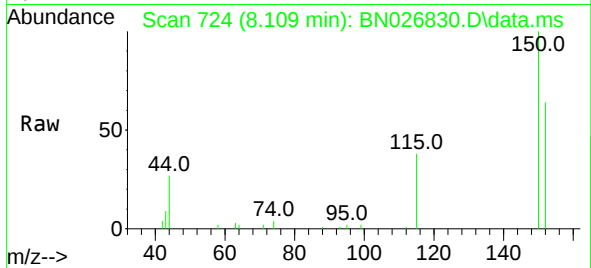
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.109 min Scan# 71
Delta R.T. -0.015 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

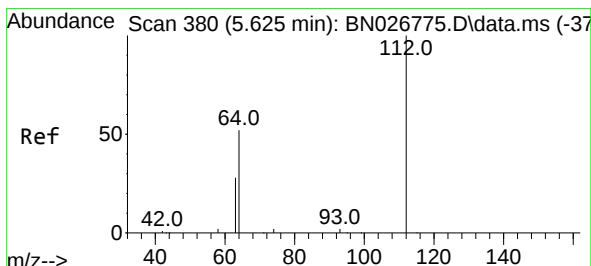
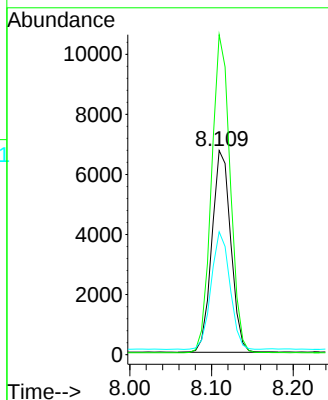
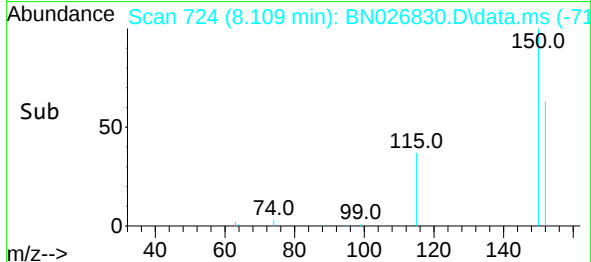
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-5-(5-10)



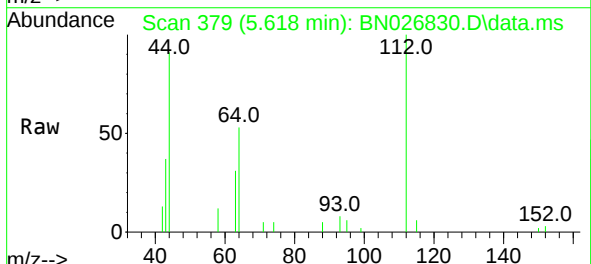
Tgt Ion:152 Resp: 10784
Ion Ratio Lower Upper
152 100
150 156.8 123.8 185.8
115 60.2 48.0 72.0

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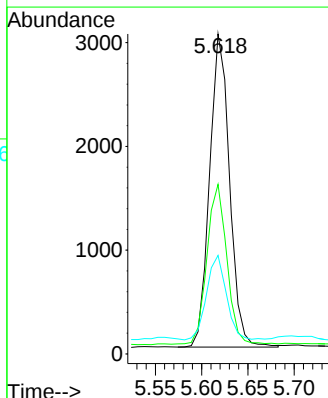
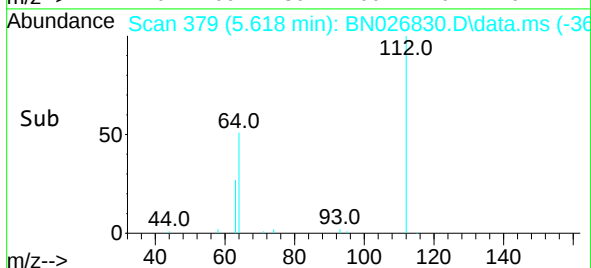
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

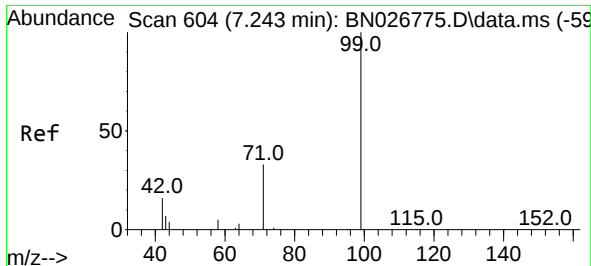


#4
2-Fluorophenol
Concen: 0.166 ng
RT: 5.618 min Scan# 379
Delta R.T. -0.007 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38



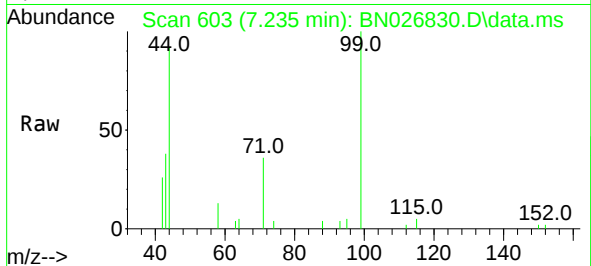
Tgt Ion:112 Resp: 4528
Ion Ratio Lower Upper
112 100
64 50.5 42.2 63.2
63 26.8 22.7 34.1





#5
Phenol-d6
Concen: 0.157 ng
RT: 7.235 min Scan# 604
Delta R.T. -0.007 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

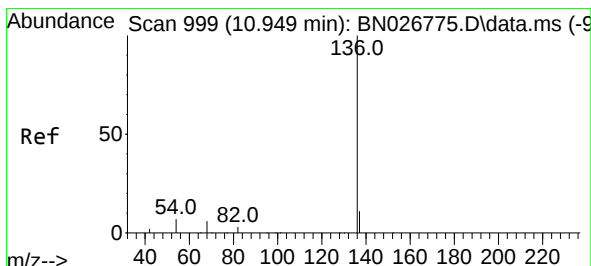
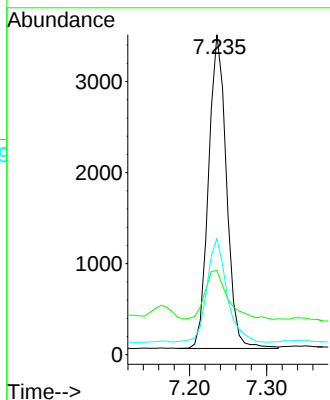
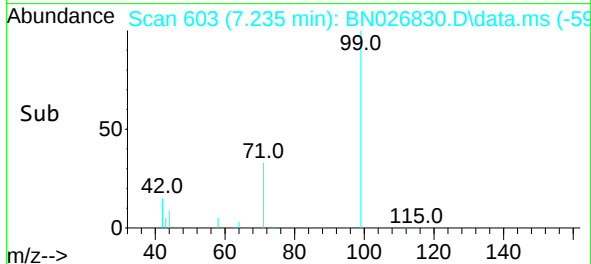
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-5-(5-10)



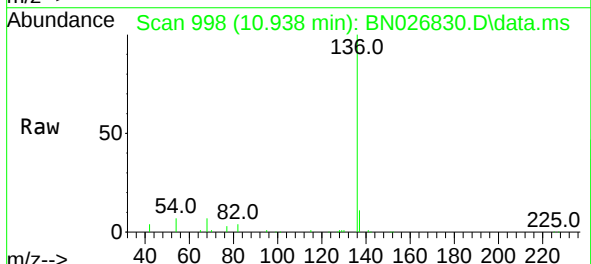
Tgt Ion: 99 Resp: 555
Ion Ratio Lower Upper
99 100
42 19.4 14.6 22.0
71 36.7 26.6 40.0

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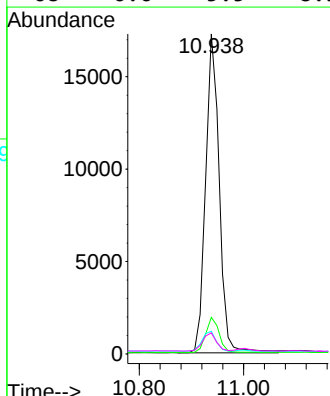
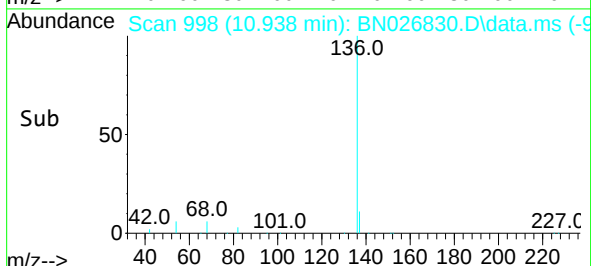
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

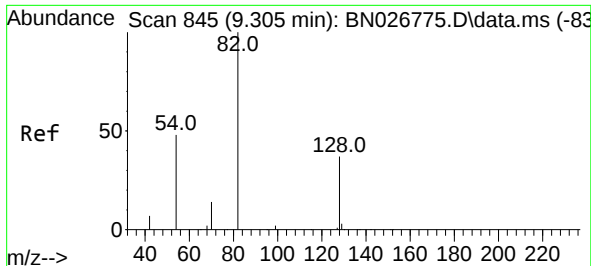


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.938 min Scan# 998
Delta R.T. -0.011 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38



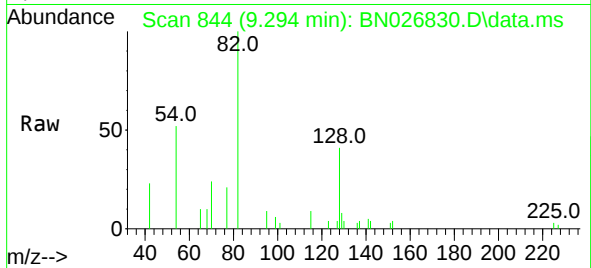
Tgt Ion:136 Resp: 31210
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.4
54 7.1 6.2 9.2
68 6.6 5.5 8.3





#8
Nitrobenzene-d5
Concen: 0.174 ng
RT: 9.294 min Scan# 845
Delta R.T. -0.011 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

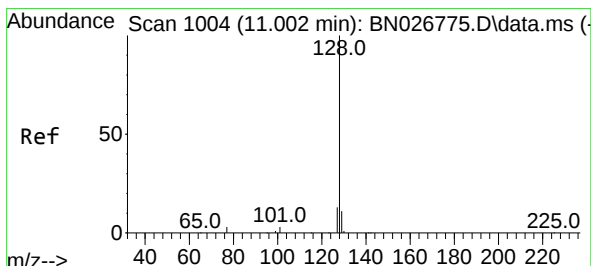
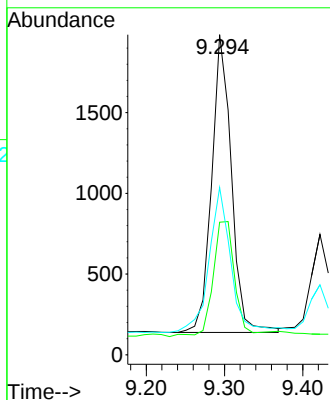
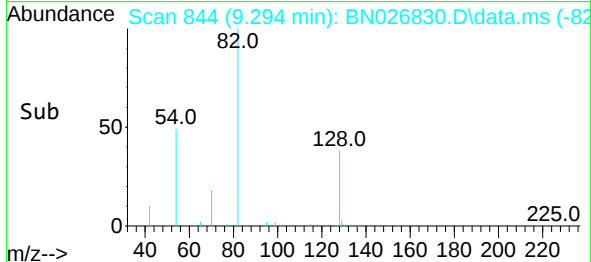
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-5-(5-10)



Tgt Ion: 82 Resp: 3224
Ion Ratio Lower Upper
82 100
128 41.4 30.5 45.7
54 52.2 39.4 59.2

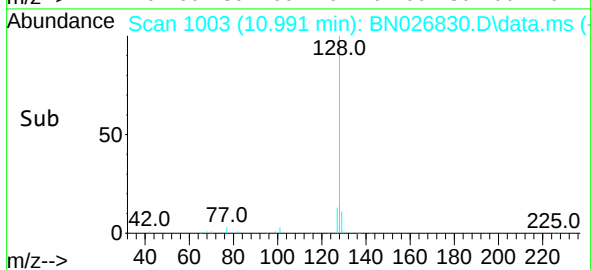
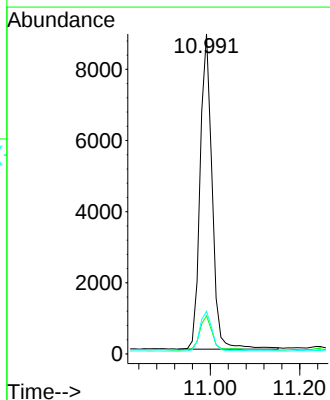
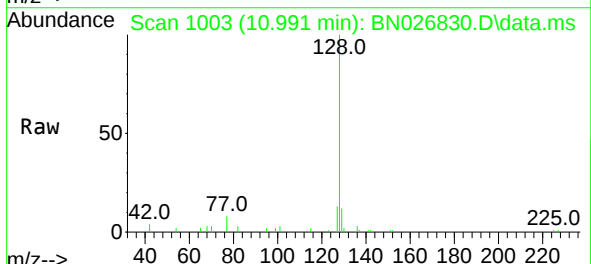
Manual Integrations
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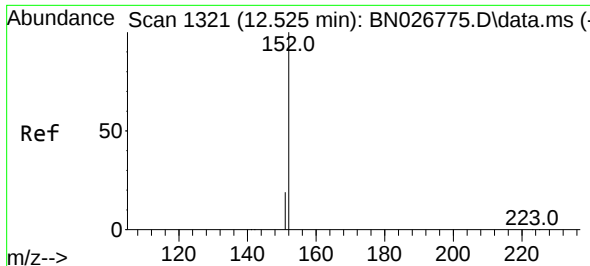
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#9
Naphthalene
Concen: 0.192 ng
RT: 10.991 min Scan# 1003
Delta R.T. -0.011 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

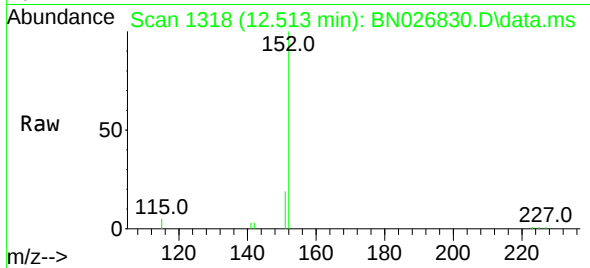
Tgt Ion:128 Resp: 16512
Ion Ratio Lower Upper
128 100
129 11.9 9.0 13.4
127 13.3 10.6 16.0





#11
2-Methylnaphthalene-d10
Concen: 0.159 ng
RT: 12.513 min Scan# 1318
Delta R.T. -0.011 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

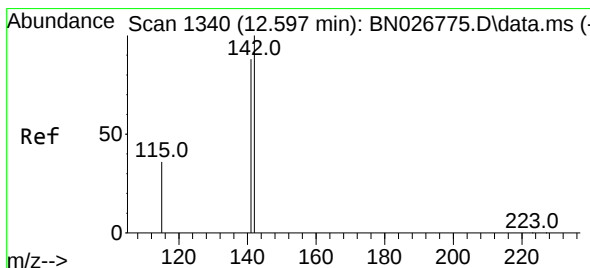
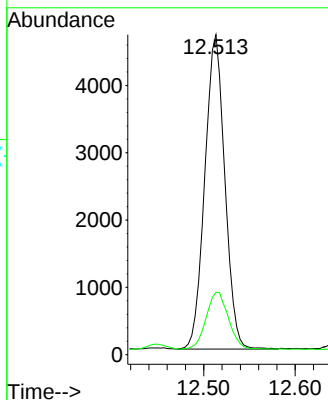
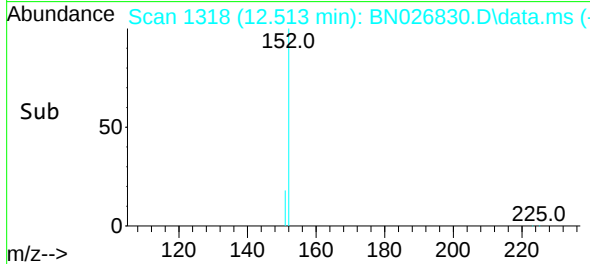
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-5-(5-10)



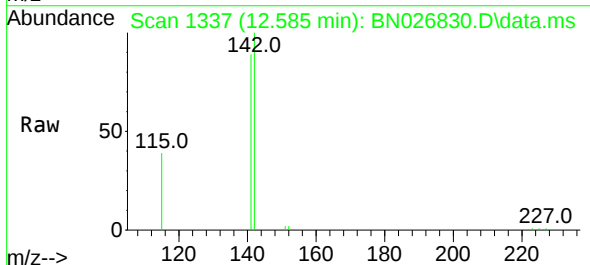
Tgt Ion:152 Resp: 7098
Ion Ratio Lower Upper
152 100
151 20.2 16.5 24.7

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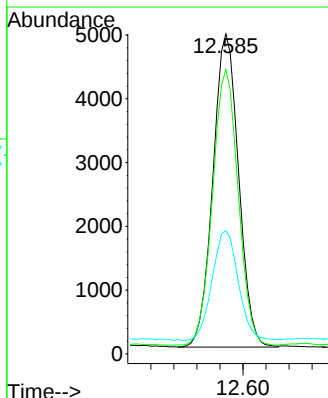
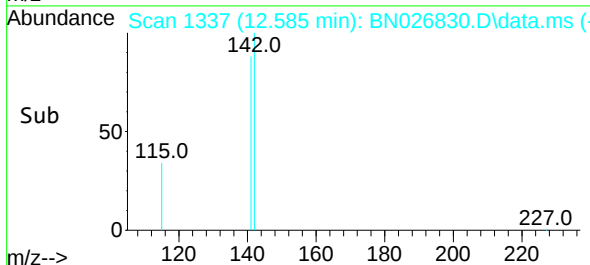
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

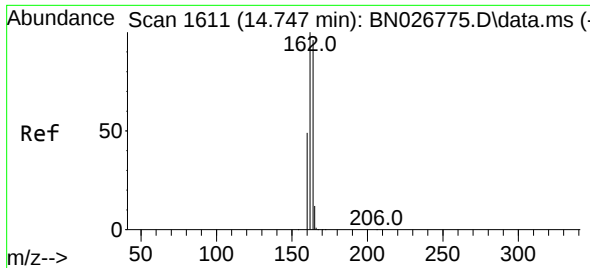


#12
2-Methylnaphthalene
Concen: 0.130 ng
RT: 12.585 min Scan# 1337
Delta R.T. -0.011 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38



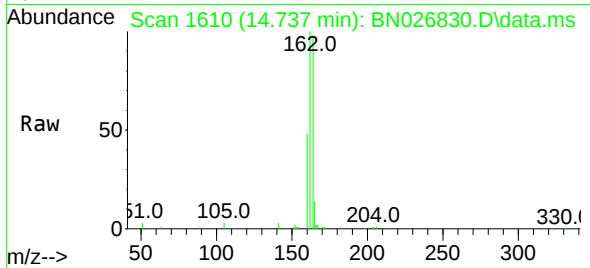
Tgt Ion:142 Resp: 7600
Ion Ratio Lower Upper
142 100
141 88.9 70.3 105.5
115 38.6 29.2 43.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.737 min Scan# 1610
Delta R.T. -0.011 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

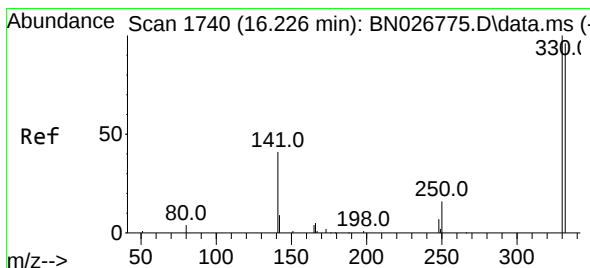
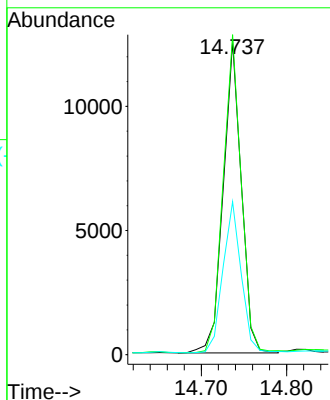
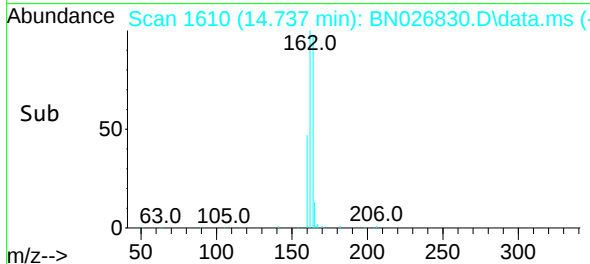
Instrument :
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ClientSampleId :
BUILDING-B-5-(5-10)



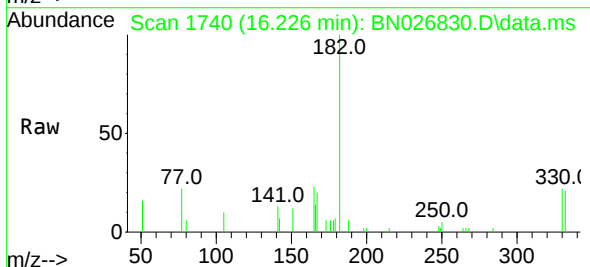
Tgt Ion:164 Resp: 1849
Ion Ratio Lower Upper
164 100
162 102.2 83.0 124.6
160 48.9 40.8 61.2

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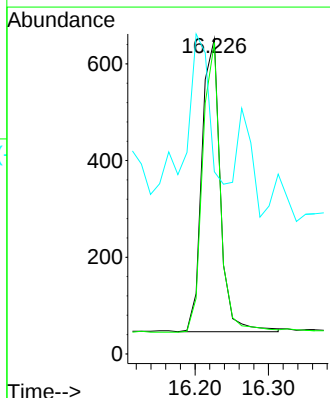
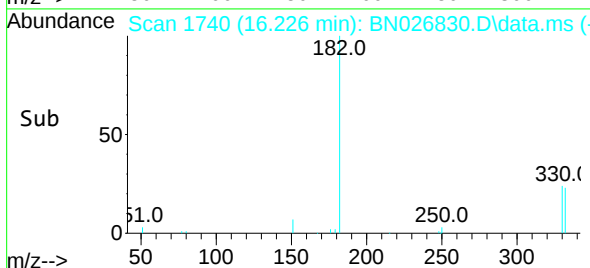
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

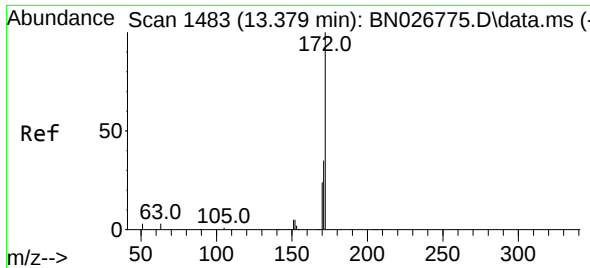


#14
2,4,6-Tribromophenol
Concen: 0.168 ng
RT: 16.226 min Scan# 1740
Delta R.T. -0.000 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38



Tgt Ion:330 Resp: 1059
Ion Ratio Lower Upper
330 100
332 95.5 77.8 116.6
141 0.0 34.8 52.2#





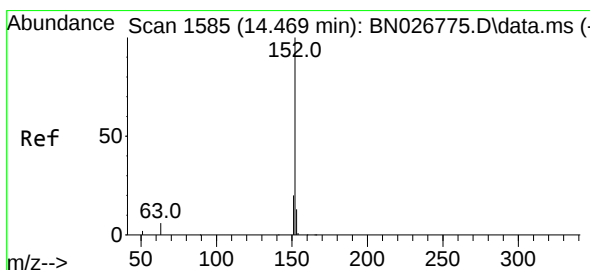
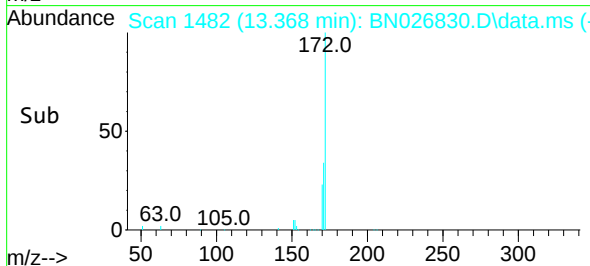
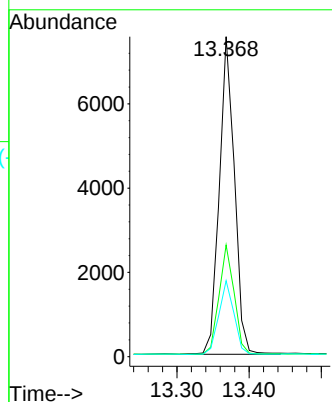
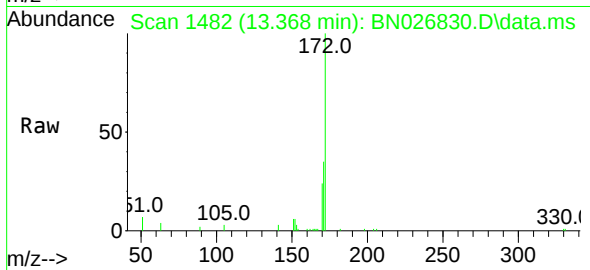
#15
2-Fluorobiphenyl
Concen: 0.146 ng
RT: 13.368 min Scan# 1482
Delta R.T. -0.011 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

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

Tgt Ion:172 Resp: 1099
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 23.8 19.2 28.8

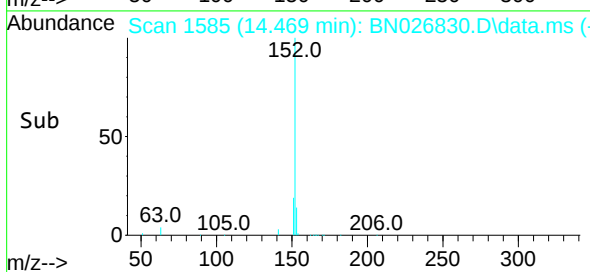
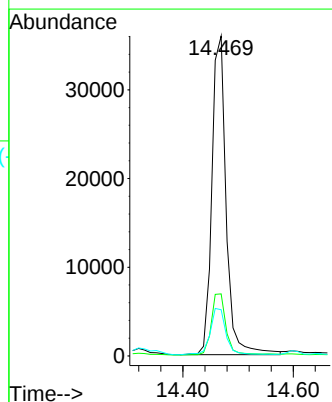
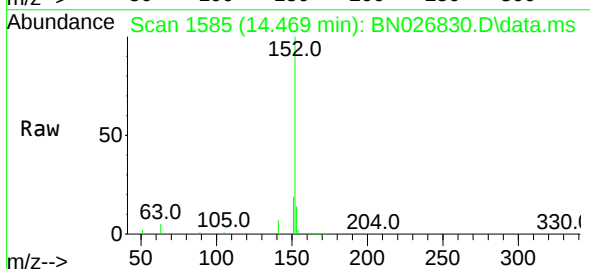
Manual Integrations
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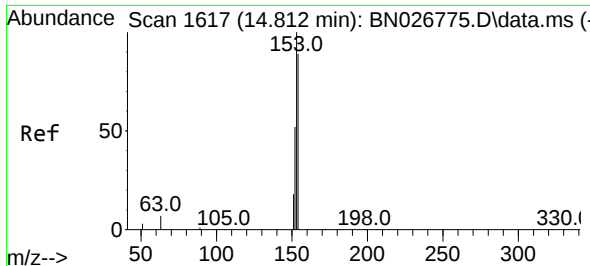
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#16
Acenaphthylene
Concen: 0.709 ng
RT: 14.469 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

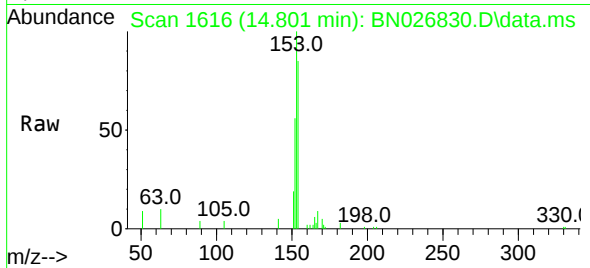
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Ion Ratio Lower Upper
152 100
151 20.1 15.7 23.5
153 15.9 10.5 15.7#





#17
Acenaphthene
Concen: 0.158 ng
RT: 14.801 min Scan# 1616
Delta R.T. -0.011 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

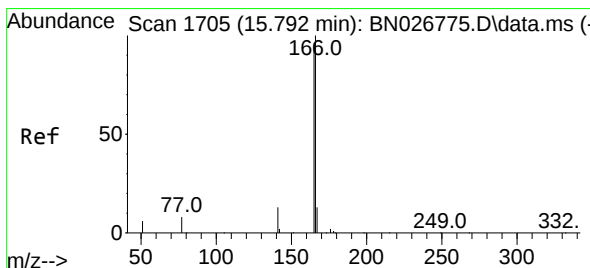
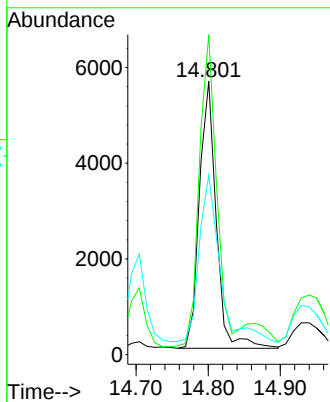
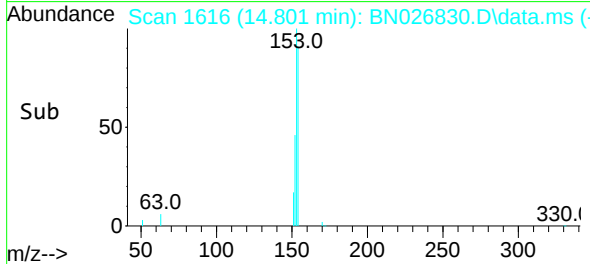
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-5-(5-10)



Tgt Ion:154 Resp: 908
Ion Ratio Lower Upper
154 100
153 121.0 90.0 135.0
152 77.2 48.6 73.0

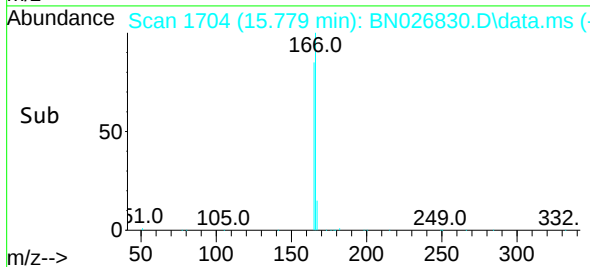
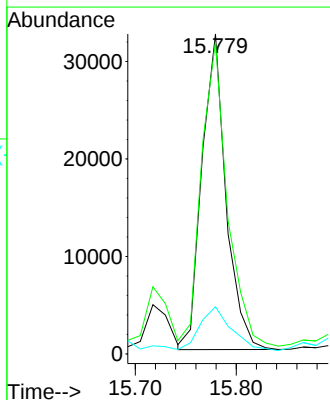
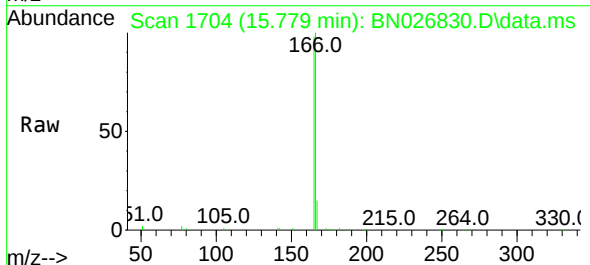
Manual Integrations
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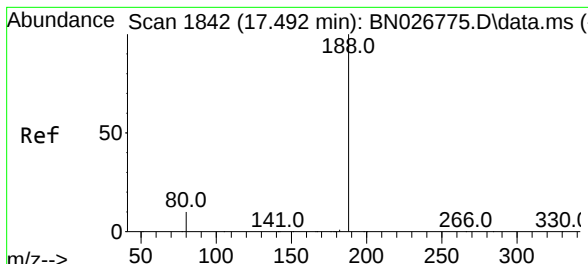
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#18
Fluorene
Concen: 0.717 ng
RT: 15.779 min Scan# 1704
Delta R.T. -0.012 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

Tgt Ion:166 Resp: 53498
Ion Ratio Lower Upper
166 100
165 103.7 79.0 118.6
167 18.1 10.9 16.3



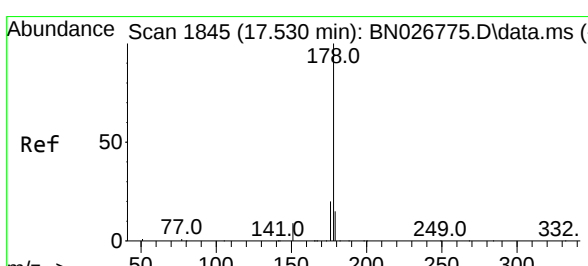
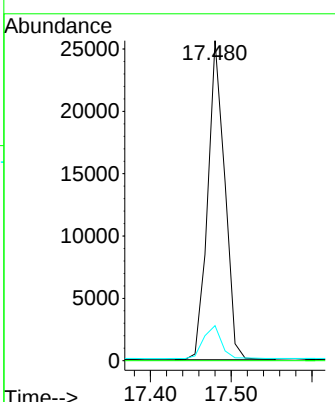
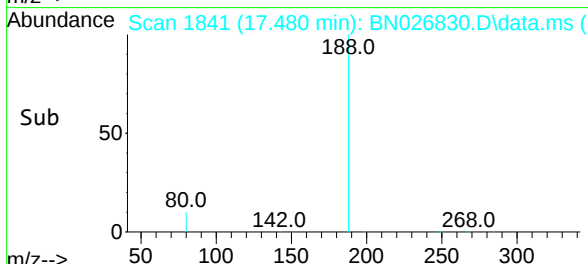
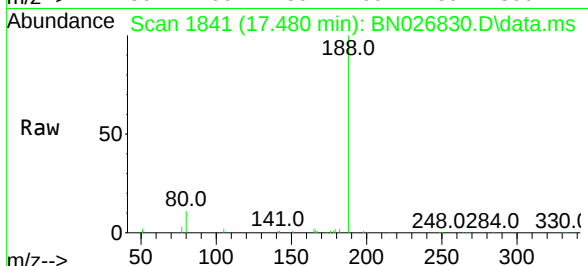


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.480 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

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

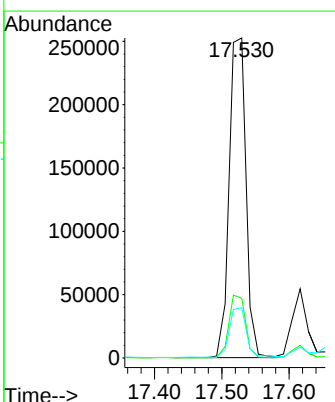
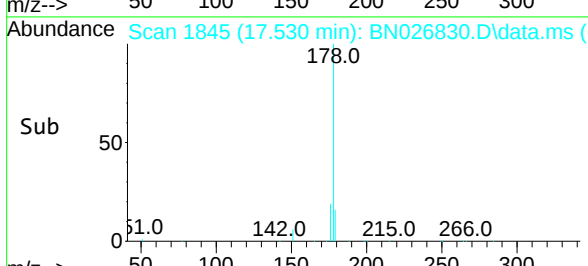
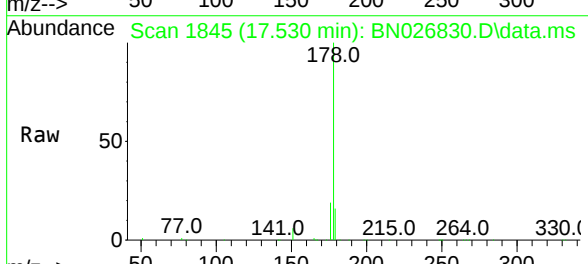
Tgt Ion:188	Resp: 37490
Ion Ratio	Lower Upper
188 100	
94 0.0	0.0 0.0
80 10.9	8.0 12.0

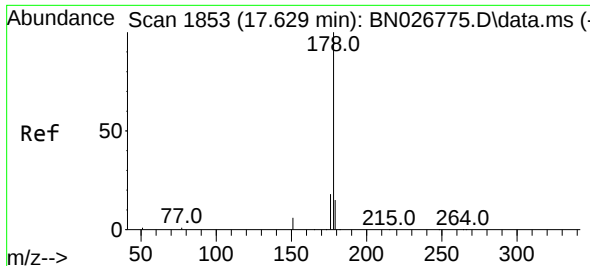
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#25
Phenanthrene
Concen: 3.857 ng
RT: 17.530 min Scan# 1845
Delta R.T. -0.000 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

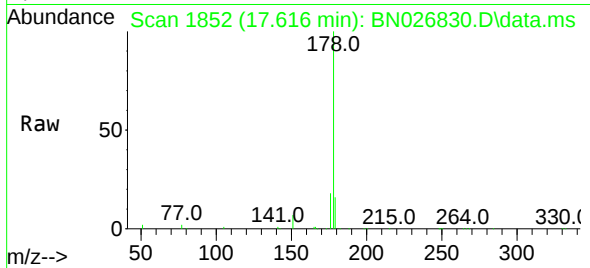
Tgt Ion:178	Resp: 439276
Ion Ratio	Lower Upper
178 100	
176 19.3	15.4 23.0
179 16.2	12.2 18.2





#26
 Anthracene
 Concen: 0.844 ng
 RT: 17.616 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN026830.D
 Acq: 07 Aug 2023 14:38

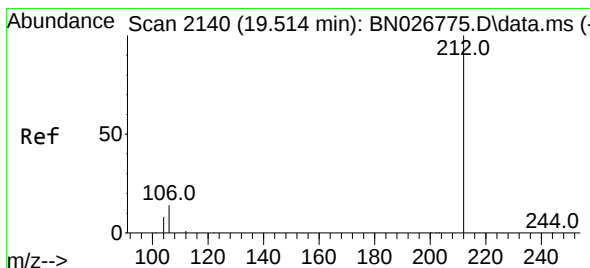
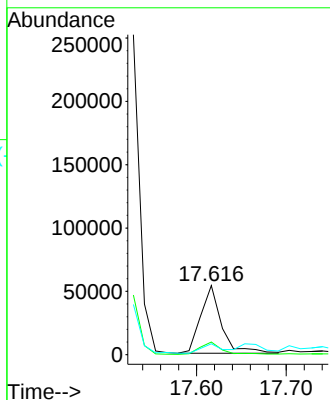
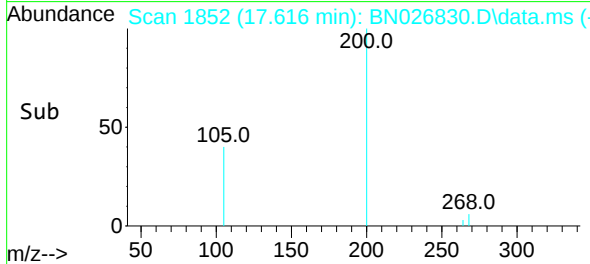
Instrument :
 BNA_N
 ClientSampleId :
 BUILDING-B-5-(5-10)



Tgt Ion:178 Resp: 85880
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.9 22.3
 179 14.6 12.2 18.2

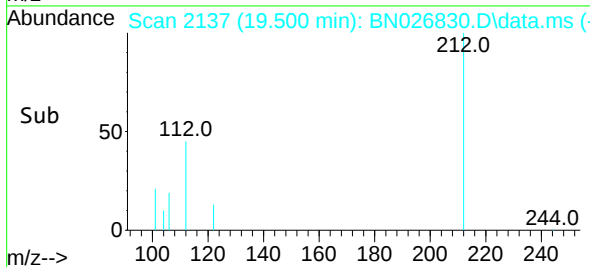
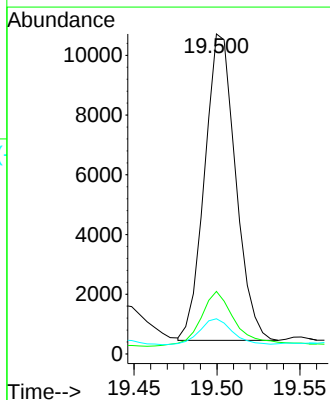
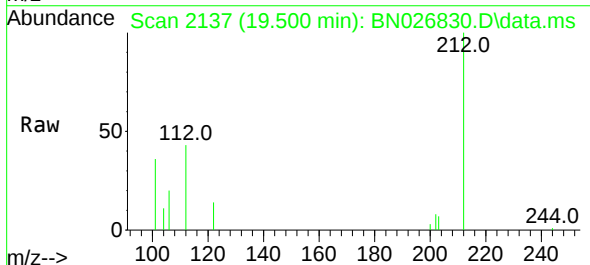
Manual Integrations
 APPROVED

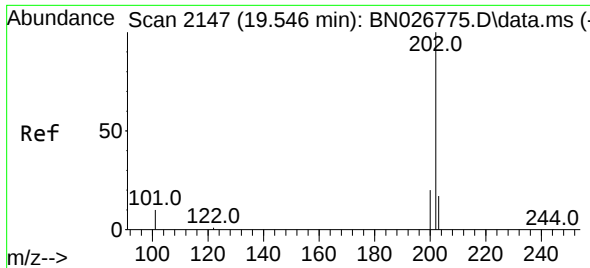
Reviewed By :Yogesh Patel 08/08/2023
 Supervised By :mohammad ahmed 08/08/2023



#27
 Fluoranthene-d10
 Concen: 0.148 ng
 RT: 19.500 min Scan# 2137
 Delta R.T. -0.014 min
 Lab File: BN026830.D
 Acq: 07 Aug 2023 14:38

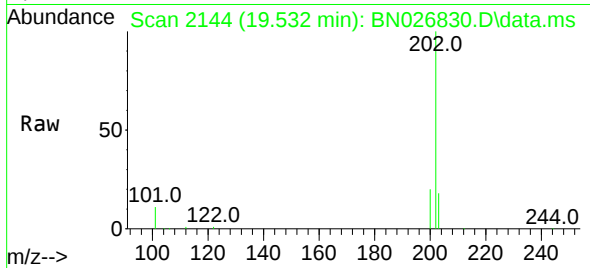
Tgt Ion:212 Resp: 13332
 Ion Ratio Lower Upper
 212 100
 106 21.1 11.7 17.5#
 104 9.1 6.4 9.6





#28
Fluoranthene
Concen: 1.751 ng
RT: 19.532 min Scan# 2144
Delta R.T. -0.014 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

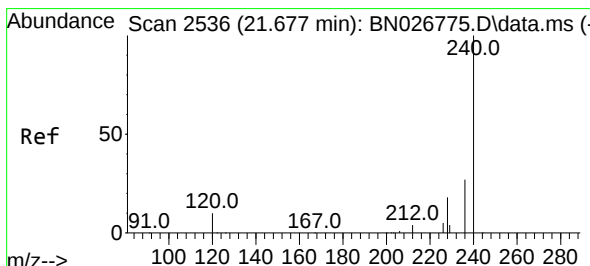
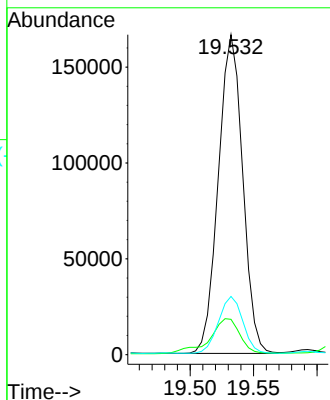
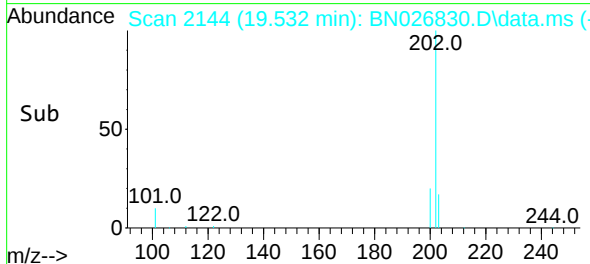
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-5-(5-10)



Tgt Ion:202 Resp: 221969
Ion Ratio Lower Upper
202 100
101 13.8 9.2 13.8
203 17.8 13.7 20.5

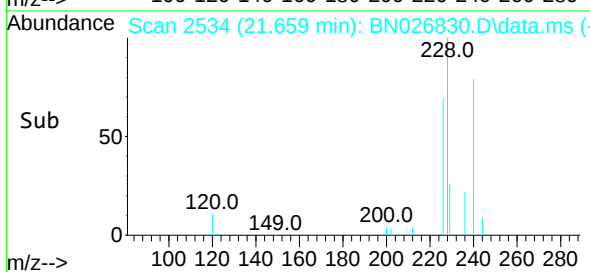
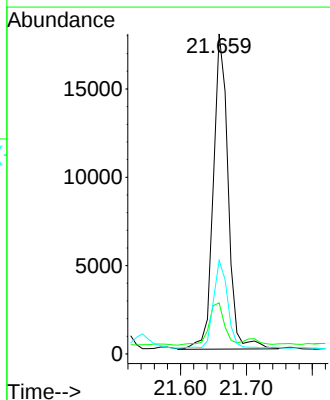
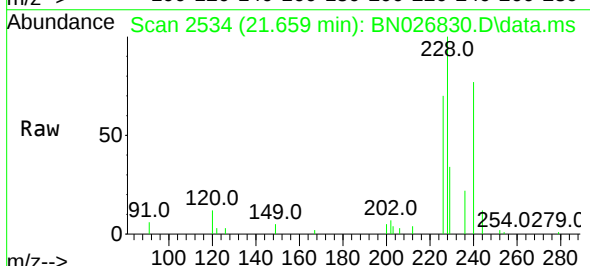
Manual Integrations
APPROVED

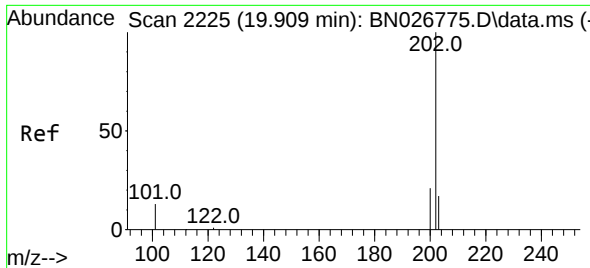
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.659 min Scan# 2534
Delta R.T. -0.018 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

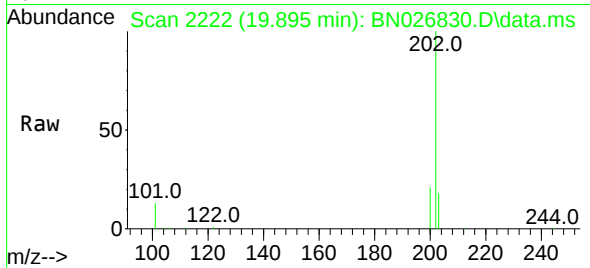
Tgt Ion:240 Resp: 27872
Ion Ratio Lower Upper
240 100
120 16.0 9.2 13.8#
236 29.2 21.9 32.9





#30
Pyrene
Concen: 2.910 ng
RT: 19.895 min Scan# 21
Delta R.T. -0.014 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

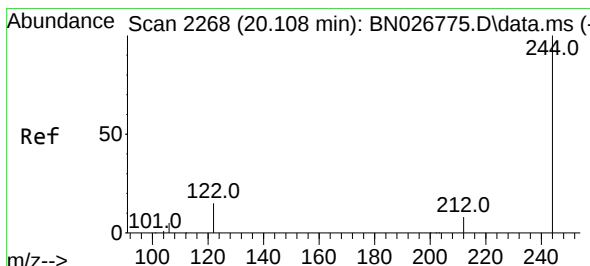
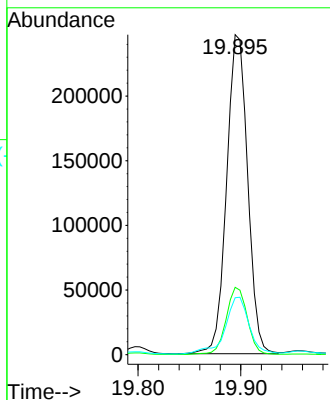
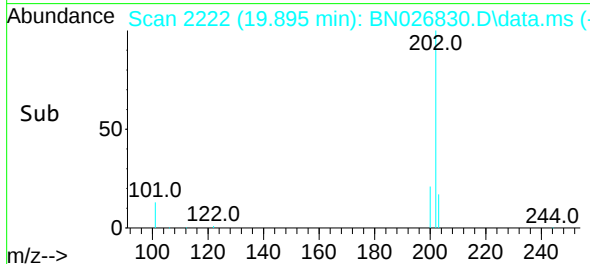
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-5-(5-10)



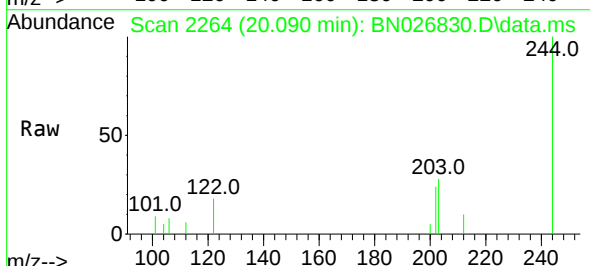
Tgt Ion:202 Resp: 350490
Ion Ratio Lower Upper
202 100
200 20.9 16.8 25.2
203 20.1 14.2 21.2

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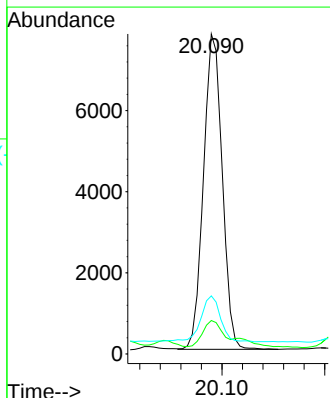
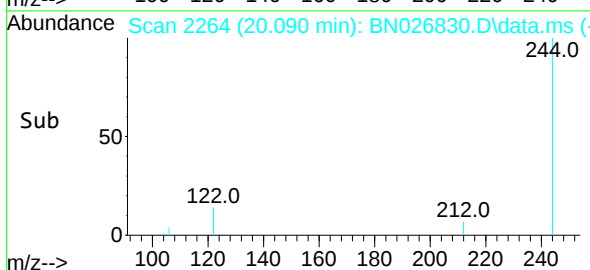
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

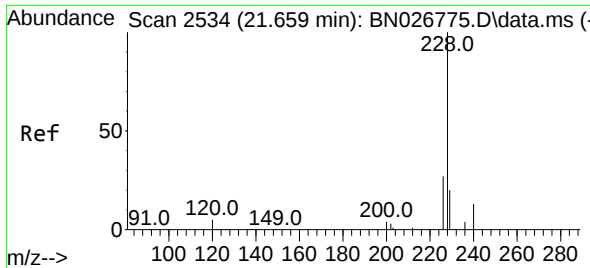


#31
Terphenyl-d14
Concen: 0.169 ng
RT: 20.090 min Scan# 2264
Delta R.T. -0.019 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38



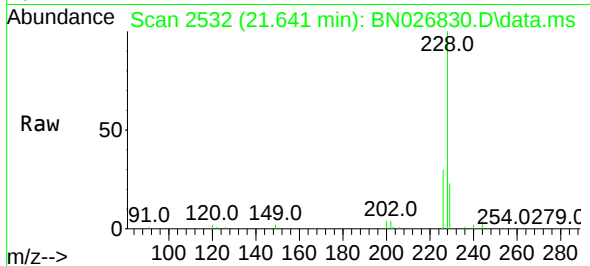
Tgt Ion:244 Resp: 9837
Ion Ratio Lower Upper
244 100
212 10.4 7.0 10.4
122 18.1 12.3 18.5





#32
Benzo(a)anthracene
Concen: 1.330 ng
RT: 21.641 min Scan# 21641
Delta R.T. -0.018 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

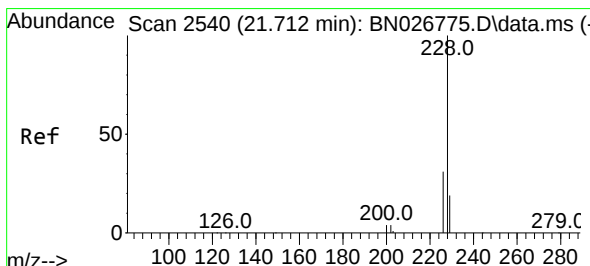
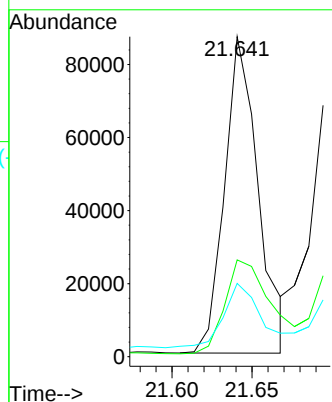
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-5-(5-10)



Tgt Ion:228 Resp: 127280
Ion Ratio Lower Upper
228 100
226 30.2 21.9 32.9
229 22.9 15.8 23.8

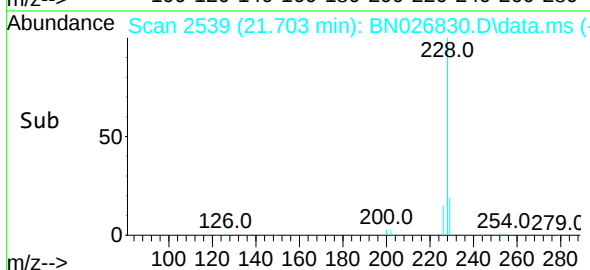
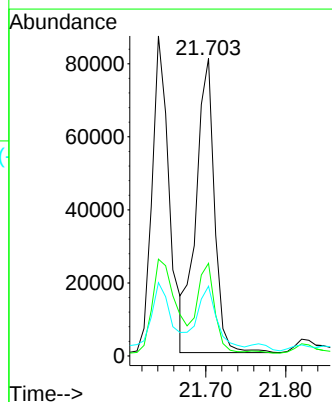
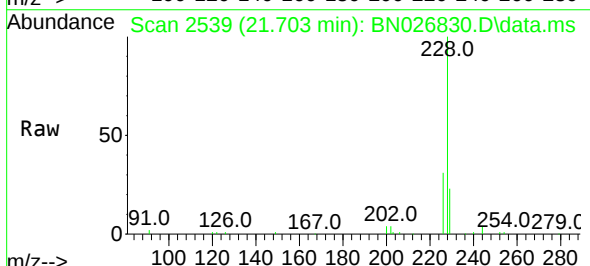
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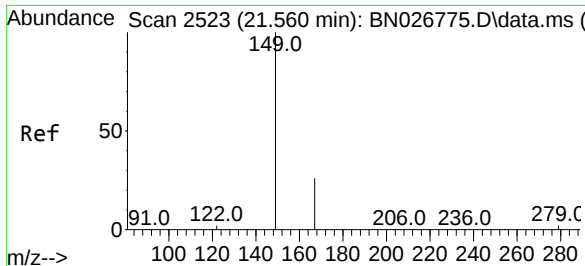
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#33
Chrysene
Concen: 1.223 ng
RT: 21.703 min Scan# 2539
Delta R.T. -0.009 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

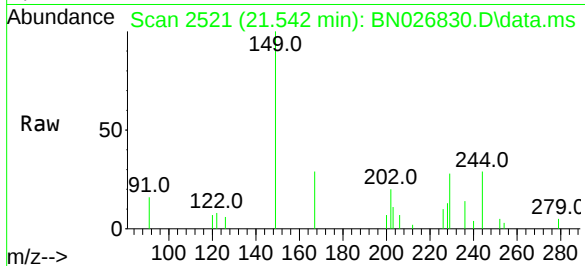
Tgt Ion:228 Resp: 129363
Ion Ratio Lower Upper
228 100
226 31.1 24.6 36.8
229 23.4 15.4 23.2#





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.290 ng
RT: 21.542 min Scan# 2154
Delta R.T. -0.018 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

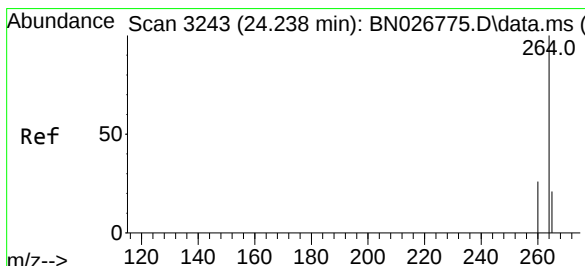
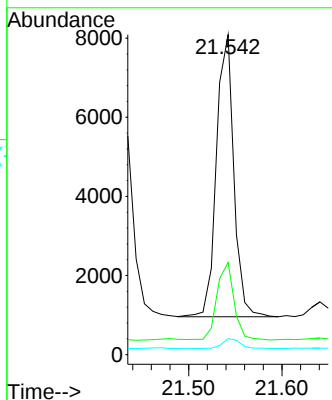
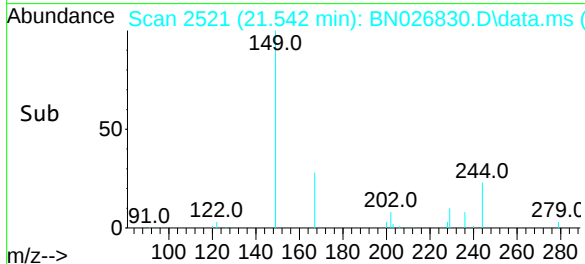
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-5-(5-10)



Tgt Ion:149 Resp: 9200
Ion Ratio Lower Upper
149 100
167 27.0 20.8 31.2
279 3.6 2.4 3.6

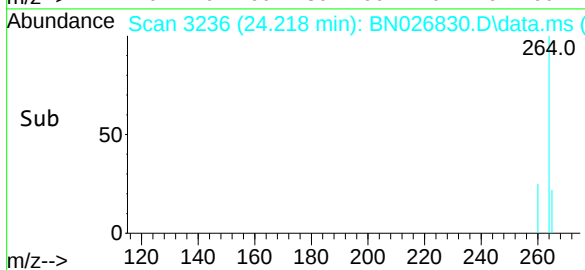
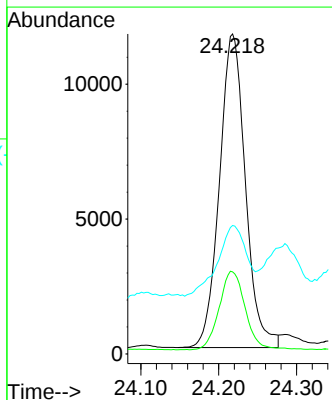
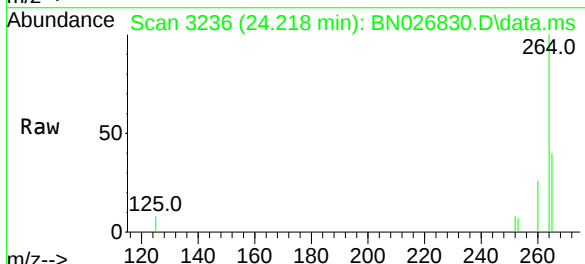
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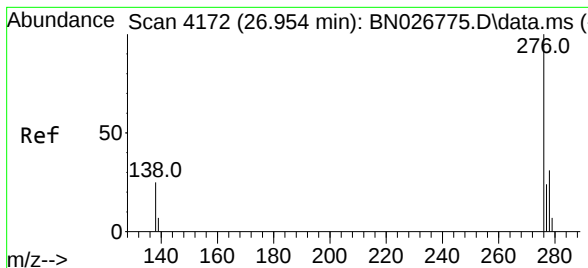
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.218 min Scan# 3236
Delta R.T. -0.021 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

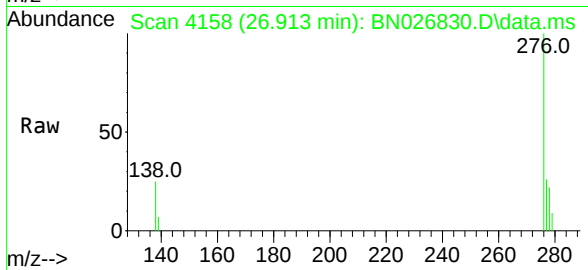
Tgt Ion:264 Resp: 26930
Ion Ratio Lower Upper
264 100
260 25.7 21.0 31.6
265 40.2 22.6 33.8#





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.383 ng
RT: 26.913 min Scan# 4172
Delta R.T. -0.041 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

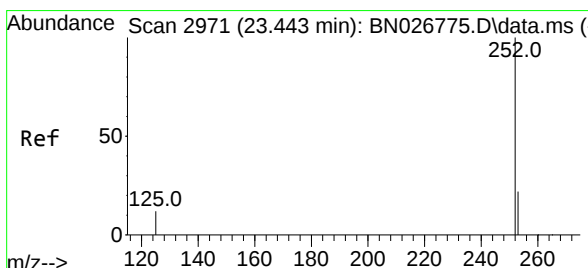
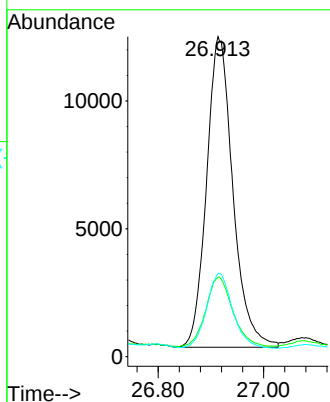
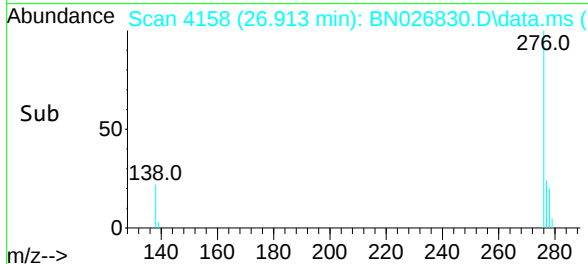
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-5-(5-10)



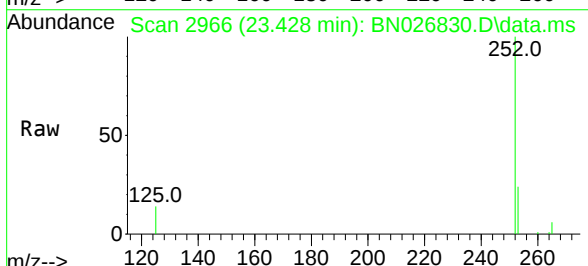
Tgt Ion:276 Resp: 42098
Ion Ratio Lower Upper
276 100
138 22.8 22.8 34.2
277 24.0 19.9 29.9

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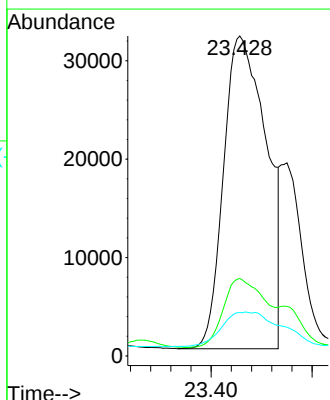
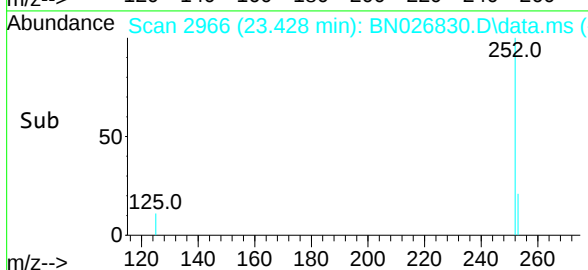
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

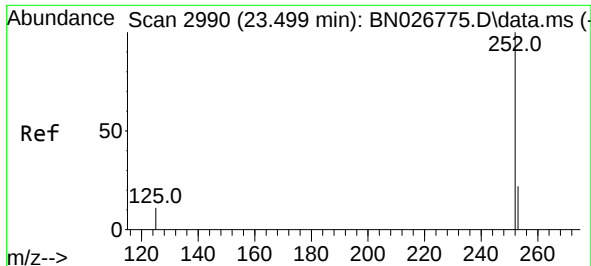


#37
Benzo(b)fluoranthene
Concen: 0.884 ng
RT: 23.428 min Scan# 2966
Delta R.T. -0.015 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38



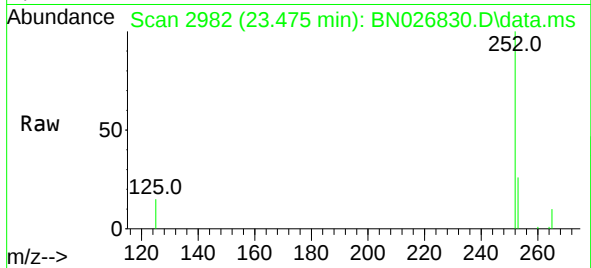
Tgt Ion:252 Resp: 93694
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 13.6 10.8 16.2





#38
Benzo(k)fluoranthene
Concen: 0.260 ng m
RT: 23.475 min Scan# 2990
Delta R.T. -0.023 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

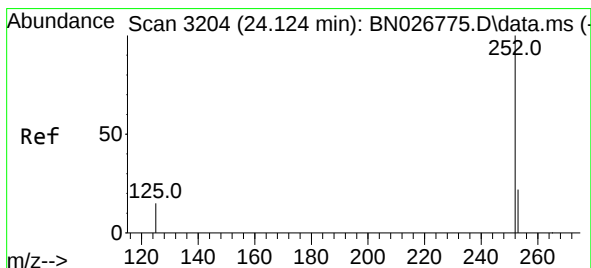
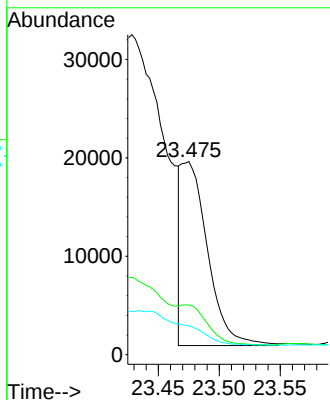
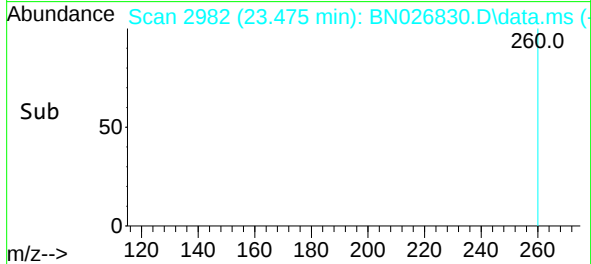
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-5-(5-10)



Tgt Ion:252 Resp: 28300
Ion Ratio Lower Upper
252 100
253 25.7 18.0 27.0
125 15.0 9.4 14.2

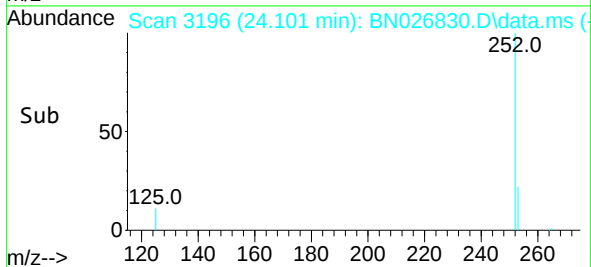
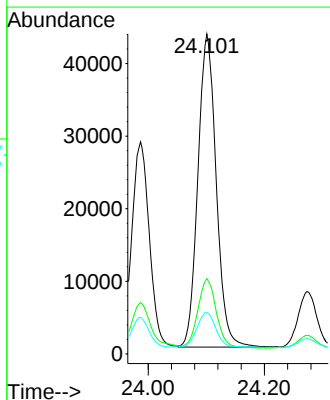
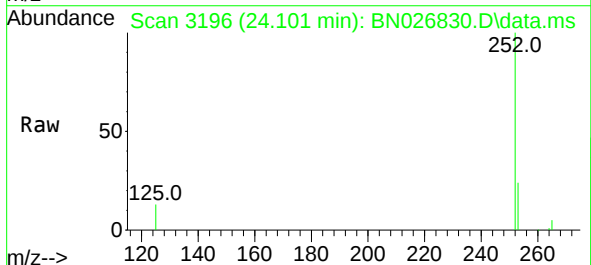
Manual Integrations
APPROVED

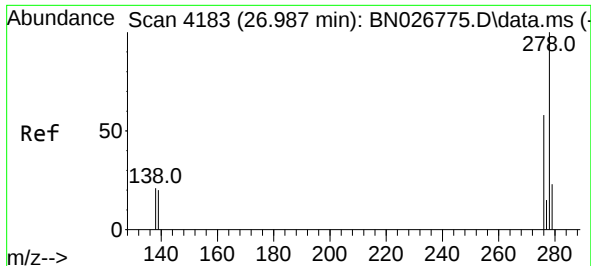
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#39
Benzo(a)pyrene
Concen: 0.974 ng
RT: 24.101 min Scan# 3196
Delta R.T. -0.023 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

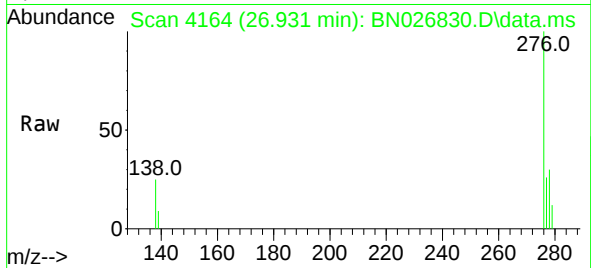
Tgt Ion:252 Resp: 94157
Ion Ratio Lower Upper
252 100
253 23.5 18.5 27.7
125 13.1 12.7 19.1





#40
Dibenzo(a,h)anthracene
Concen: 0.158 ng m
RT: 26.931 min Scan# 41
Delta R.T. -0.056 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

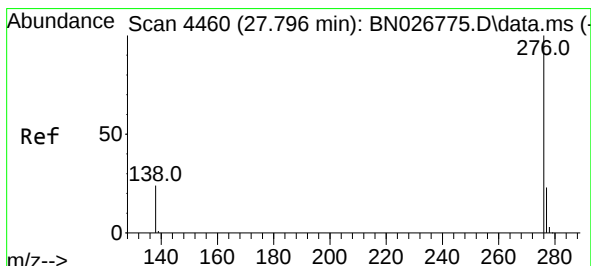
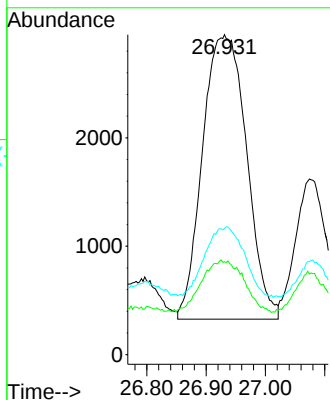
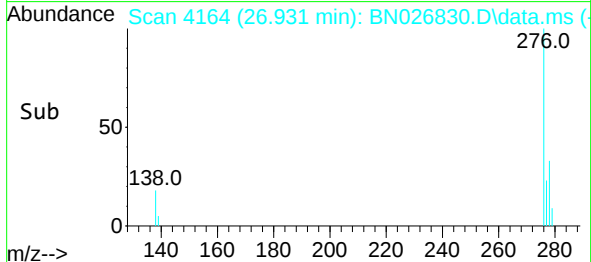
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-5-(5-10)



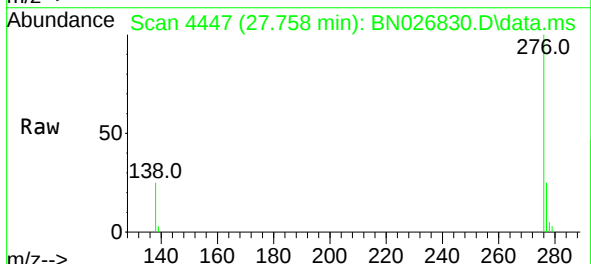
Tgt Ion:278 Resp: 1351
Ion Ratio Lower Upper
278 100
139 29.0 16.8 25.2
279 39.4 19.5 29.3

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 0.493 ng
RT: 27.758 min Scan# 4447
Delta R.T. -0.038 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38



Tgt Ion:276 Resp: 49821
Ion Ratio Lower Upper
276 100
277 25.4 19.1 28.7
138 24.6 19.8 29.6

