

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120921\
 Data File : BN017843.D
 Acq On : 09 Dec 2021 20:18
 Operator : CG/JU
 Sample : M4924-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE108D1-20211202

Quant Time: Dec 10 06:49:07 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN120721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 08 01:18:09 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/10/2021
 Supervised By :Yogesh Patel 12/15/2021

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.714	152	19227	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	75889	0.400	ng	0.00
13) Acenaphthene-d10	14.347	164	49889	0.400	ng	0.00
19) Phenanthrene-d10	17.092	188	100775	0.400	ng	# 0.00
29) Chrysene-d12	21.293	240	88480	0.400	ng	# 0.01
35) Perylene-d12	23.589	264	60846	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.336	112	6765	0.146	ng	0.00
5) Phenol-d6	6.903	99	3480	0.079	ng	0.00
8) Nitrobenzene-d5	8.859	82	15760	0.312	ng	0.00
11) 2-Methylnaphthalene-d10	12.089	152	43243	0.286	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	4040	0.155	ng	0.00
15) 2-Fluorobiphenyl	12.977	172	65481	0.358	ng	0.01
27) Fluoranthene-d10	19.129	212	132921	0.395	ng	0.00
31) Terphenyl-d14	19.730	244	123212	0.648	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.270	88	28783m	4.067	ng	Qvalue
28) Fluoranthene	19.159	202	9071	0.028	ng	98
30) Pyrene	19.521	202	9468	0.034	ng	99
32) Benzo(a)anthracene	21.271	228	7986	0.029	ng	96
33) Chrysene	21.325	228	9166	0.032	ng	96
34) Bis(2-ethylhexyl)phtha...	21.218	149	19049	0.154	ng	99
36) Indeno(1,2,3-cd)pyrene	25.974	276	3443m	0.020	ng	
37) Benzo(b)fluoranthene	22.897	252	6421	0.031	ng	# 80
38) Benzo(k)fluoranthene	22.942	252	7576m	0.039	ng	
39) Benzo(a)pyrene	23.493	252	4722	0.025	ng	# 57
41) Benzo(g,h,i)perylene	26.686	276	3129	0.022	ng	# 77

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

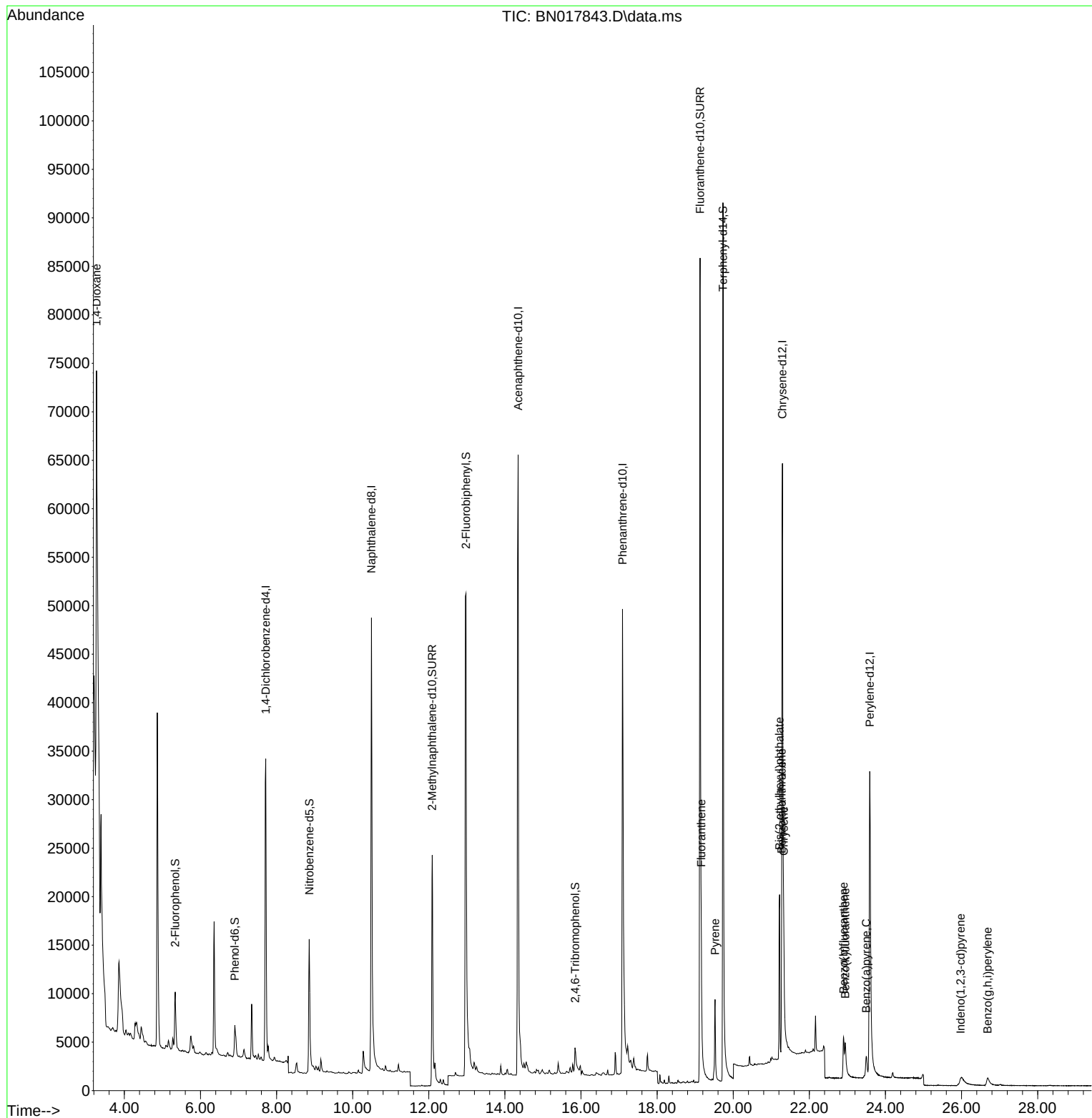
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120921\
Data File : BN017843.D
Acq On : 09 Dec 2021 20:18
Operator : CG/JU
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ALS Vial : 10 Sample Multiplier: 1

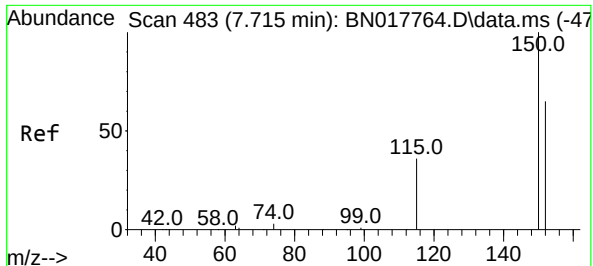
Instrument :
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RE108D1-20211202

Quant Time: Dec 10 06:49:07 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN120721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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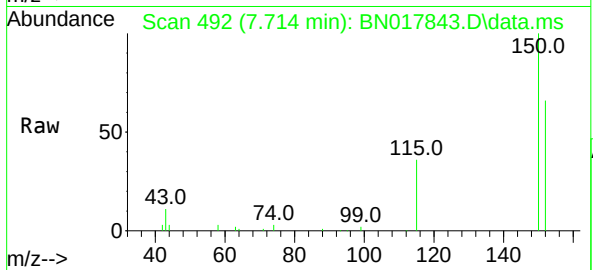
Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :Yogesh Patel 12/15/2021





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.714 min Scan# 492
Delta R.T. -0.001 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18

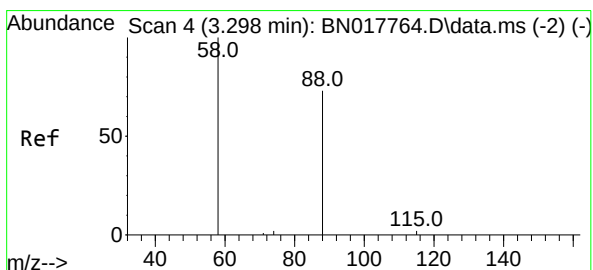
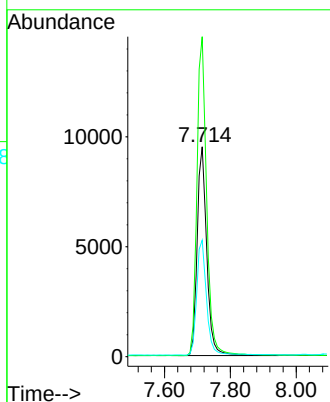
Instrument :
BNA_N
ClientSampleId :
RE108D1-20211202



Tgt Ion: 152 Resp: 19227
Ion Ratio Lower Upper
152 100
150 152.4 123.0 184.4
115 55.5 45.3 67.9

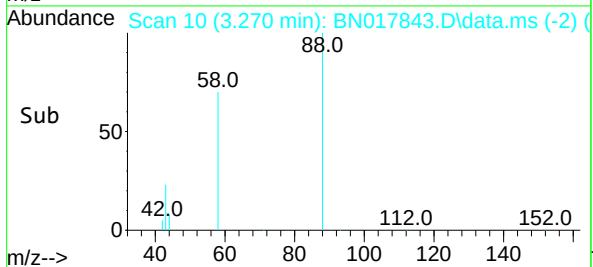
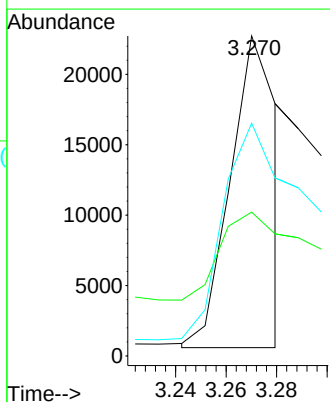
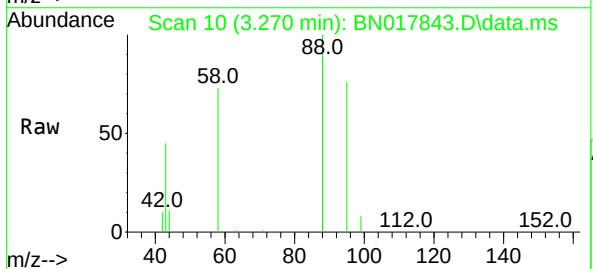
Manual Integrations
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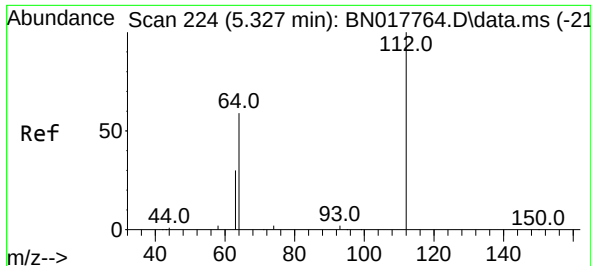
Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :Yogesh Patel 12/15/2021



#2
1,4-Dioxane
Concen: 4.067 ng m
RT: 3.270 min Scan# 10
Delta R.T. -0.028 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18

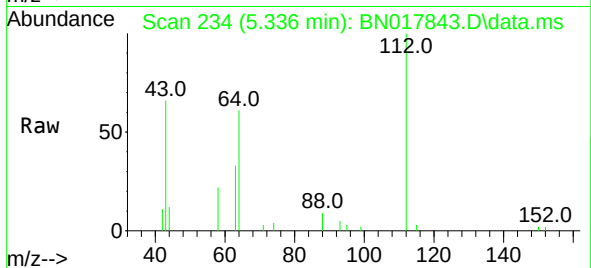
Tgt Ion: 88 Resp: 28783
Ion Ratio Lower Upper
88 100
43 62.2 0.0 0.0#
58 152.6 0.0 0.0#





#4
2-Fluorophenol
Concen: 0.146 ng
RT: 5.336 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18

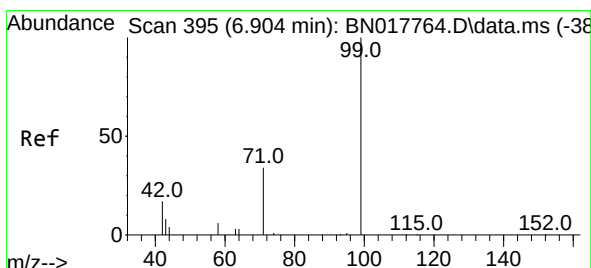
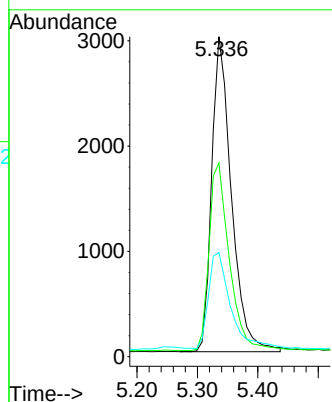
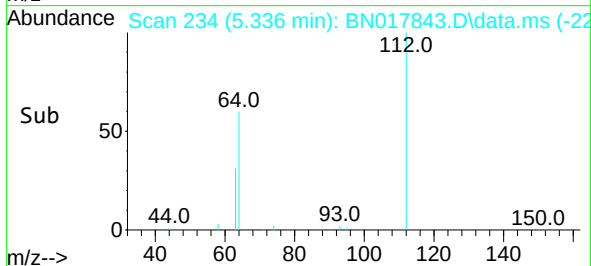
Instrument :
BNA_N
ClientSampleId :
RE108D1-20211202



Tgt Ion:112 Resp: 676
Ion Ratio Lower Upper
112 100
64 61.1 49.3 73.9
63 33.8 25.8 38.8

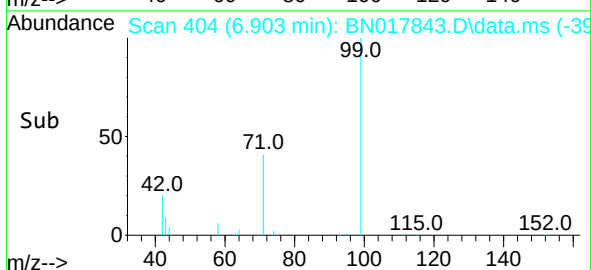
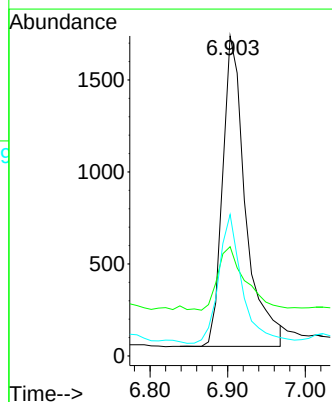
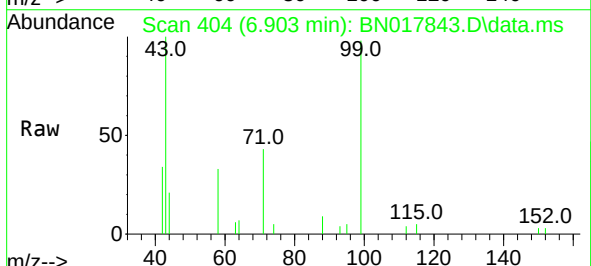
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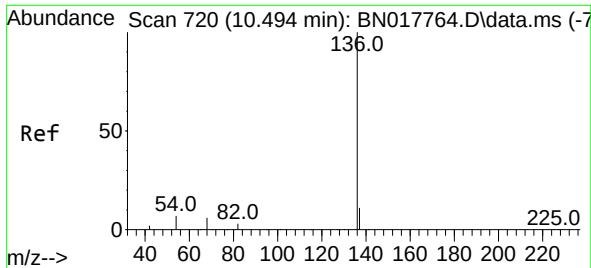
Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :Yogesh Patel 12/15/2021



#5
Phenol-d6
Concen: 0.079 ng
RT: 6.903 min Scan# 404
Delta R.T. -0.001 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18

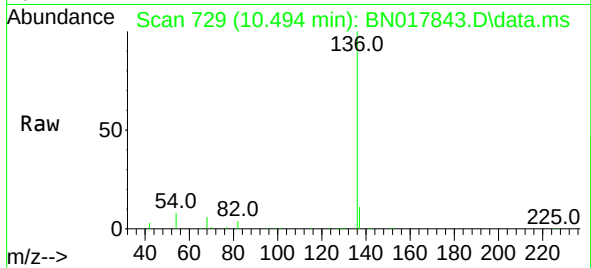
Tgt Ion: 99 Resp: 3480
Ion Ratio Lower Upper
99 100
42 24.3 16.6 25.0
71 41.9 29.0 43.4





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 71
Delta R.T. -0.001 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18

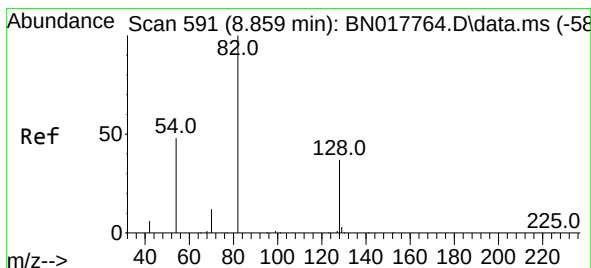
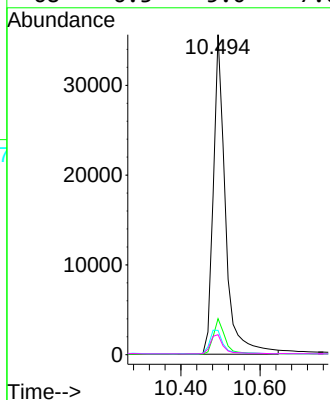
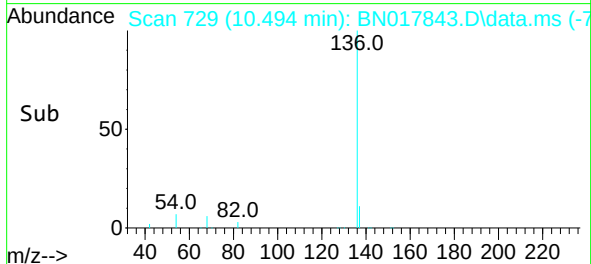
Instrument :
BNA_N
ClientSampleId :
RE108D1-20211202



Tgt Ion:136 Resp: 75889
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.6 5.9 8.9
68 6.3 5.0 7.6

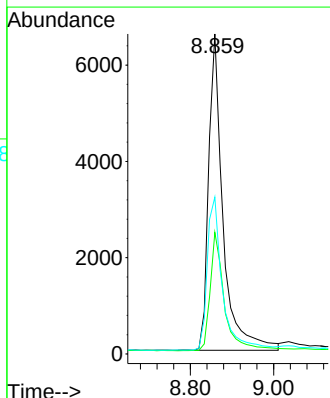
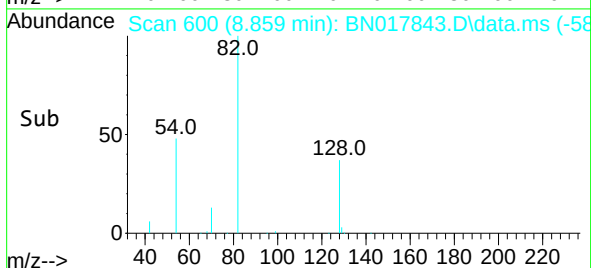
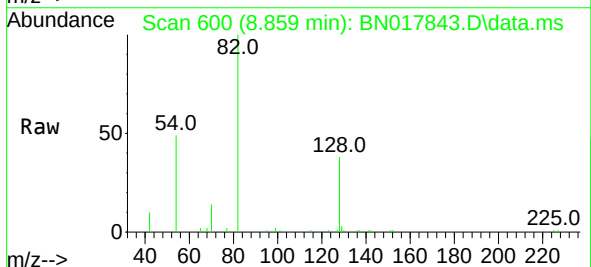
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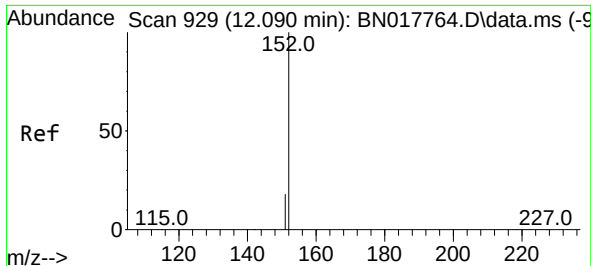
Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :Yogesh Patel 12/15/2021



#8
Nitrobenzene-d5
Concen: 0.312 ng
RT: 8.859 min Scan# 600
Delta R.T. -0.001 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18

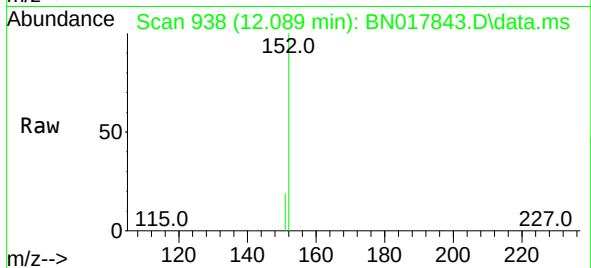
Tgt Ion: 82 Resp: 15760
Ion Ratio Lower Upper
82 100
128 38.0 30.2 45.2
54 49.0 39.0 58.6





#11
2-Methylnaphthalene-d10
Concen: 0.286 ng
RT: 12.089 min Scan# 911
Delta R.T. -0.001 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18

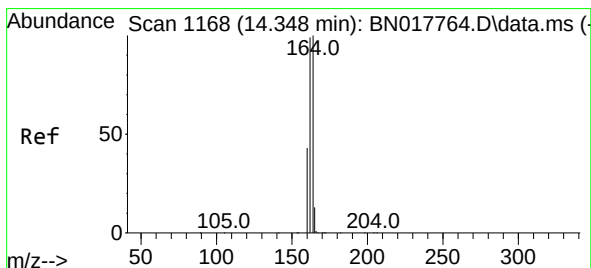
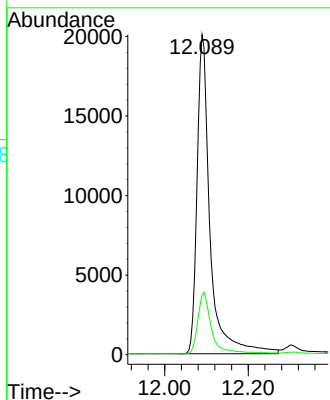
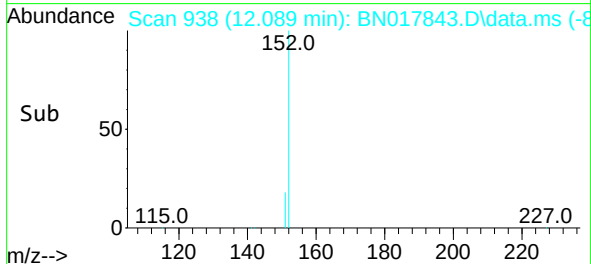
Instrument :
BNA_N
ClientSampleId :
RE108D1-20211202



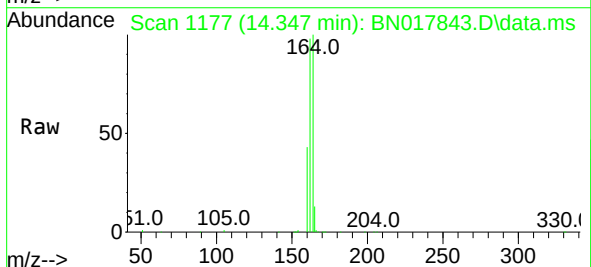
Tgt Ion:152 Resp: 4324
Ion Ratio Lower Upper
152 100
151 20.5 16.4 24.6

Manual Integrations
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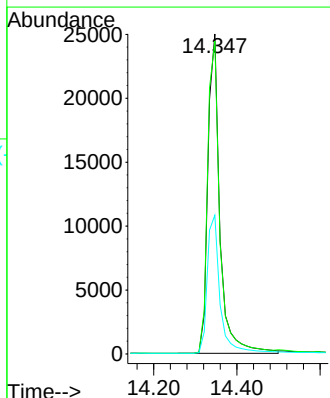
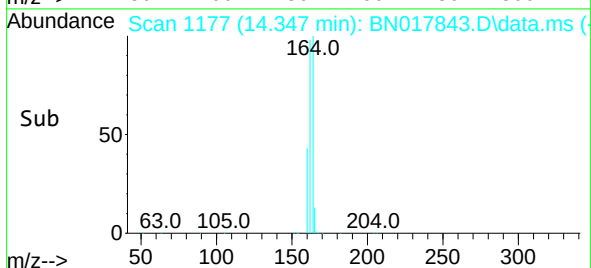
Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :Yogesh Patel 12/15/2021

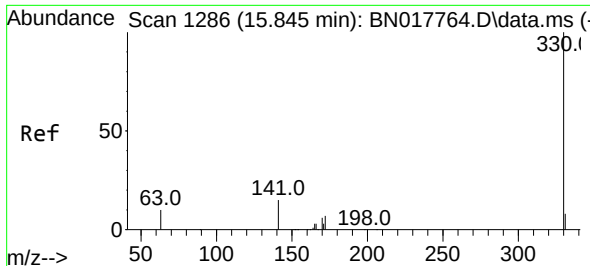


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.347 min Scan# 1177
Delta R.T. -0.001 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18



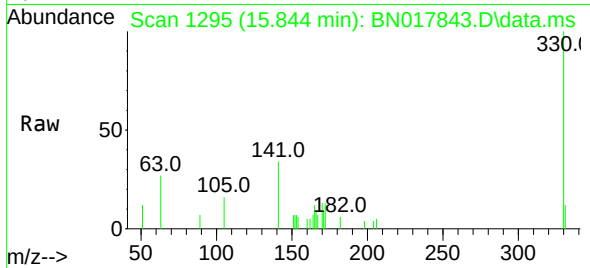
Tgt Ion:164 Resp: 49889
Ion Ratio Lower Upper
164 100
162 97.8 79.0 118.6
160 43.4 34.6 52.0





#14
2,4,6-Tribromophenol
Concen: 0.155 ng
RT: 15.844 min Scan# 1069
Delta R.T. -0.001 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18

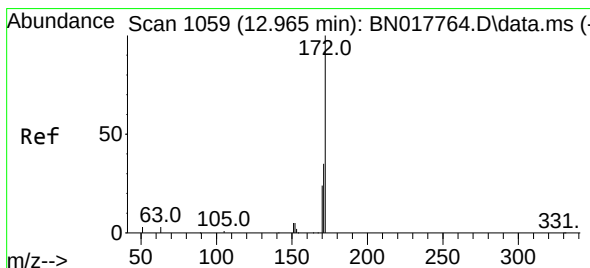
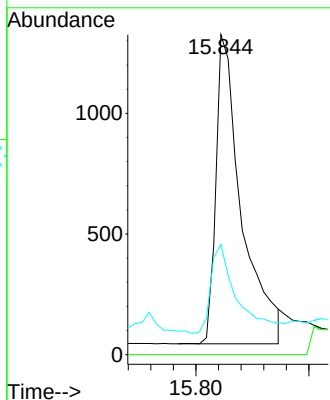
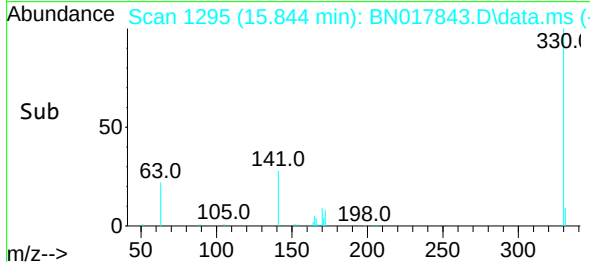
Instrument :
BNA_N
ClientSampleId :
RE108D1-20211202



Tgt Ion:330 Resp: 4040
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 29.3 21.5 32.3

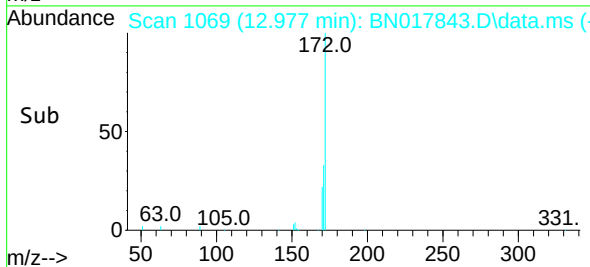
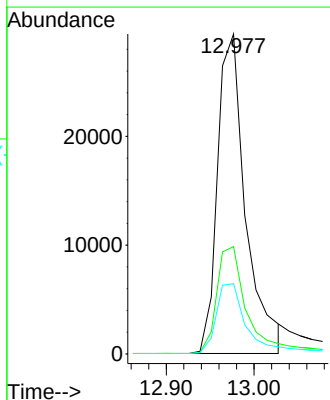
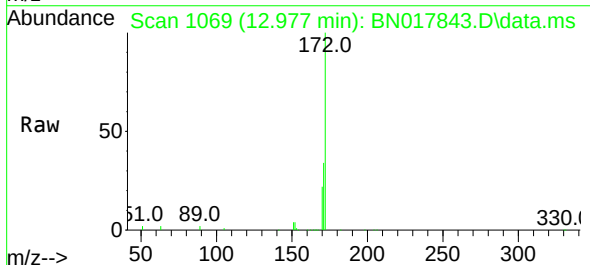
Manual Integrations
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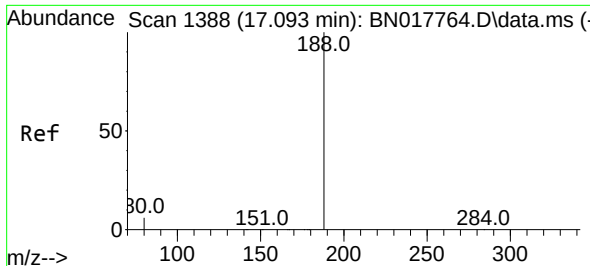
Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :Yogesh Patel 12/15/2021



#15
2-Fluorobiphenyl
Concen: 0.358 ng
RT: 12.977 min Scan# 1069
Delta R.T. 0.012 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18

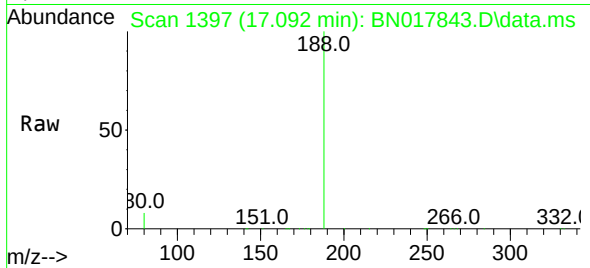
Tgt Ion:172 Resp: 65481
Ion Ratio Lower Upper
172 100
171 33.6 28.1 42.1
170 21.9 18.9 28.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.092 min Scan# 11
Delta R.T. -0.001 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18

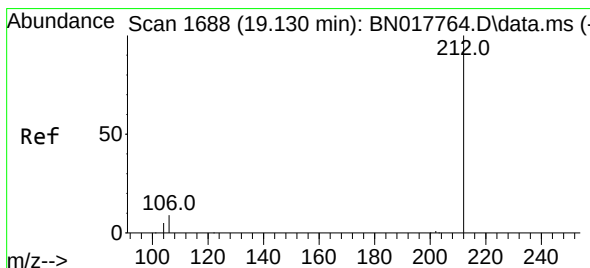
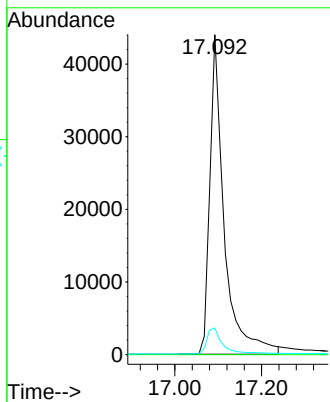
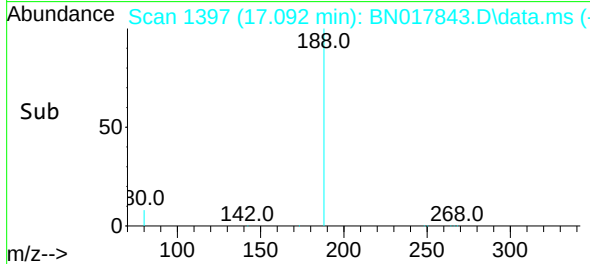
Instrument :
BNA_N
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RE108D1-20211202



Tgt Ion:188 Resp: 100775
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.4 5.1 7.7

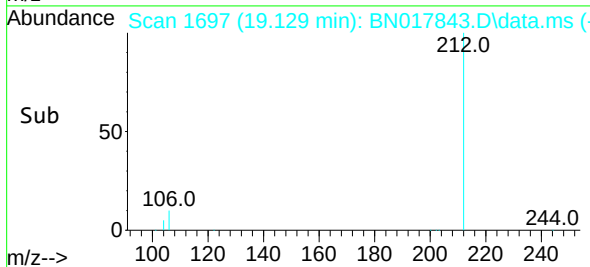
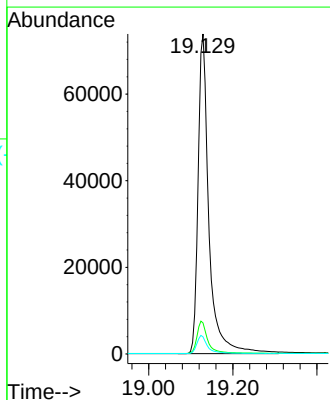
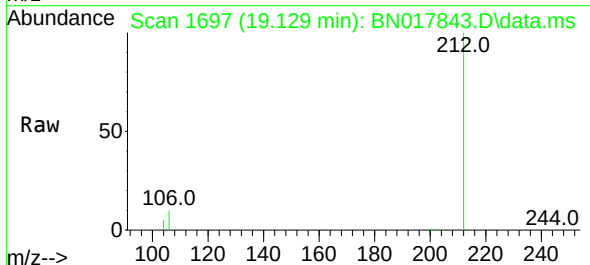
Manual Integrations
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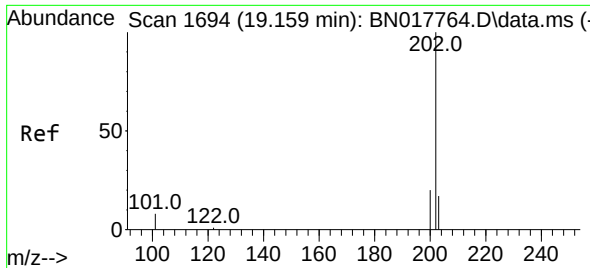
Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :Yogesh Patel 12/15/2021



#27
Fluoranthene-d10
Concen: 0.395 ng
RT: 19.129 min Scan# 1697
Delta R.T. -0.001 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18

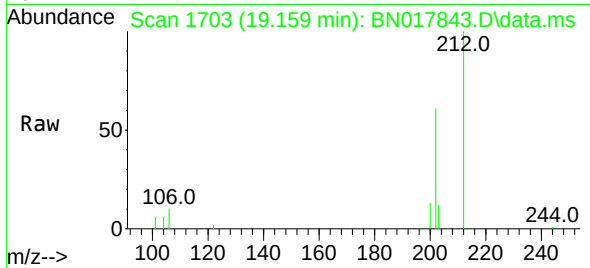
Tgt Ion:212 Resp: 132921
Ion Ratio Lower Upper
212 100
106 10.2 8.2 12.2
104 5.7 4.6 6.8





#28
Fluoranthene
Concen: 0.028 ng
RT: 19.159 min Scan# 11
Delta R.T. -0.001 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18

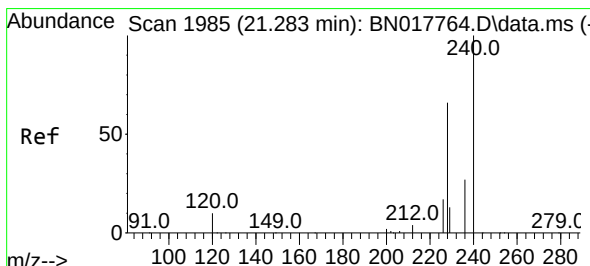
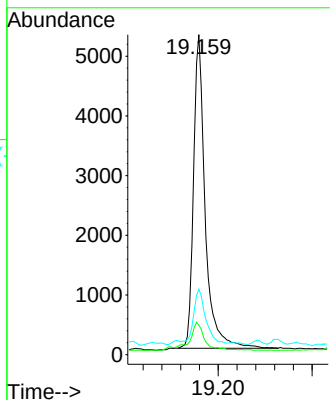
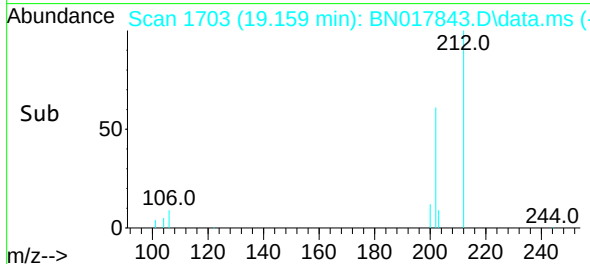
Instrument :
BNA_N
ClientSampleId :
RE108D1-20211202



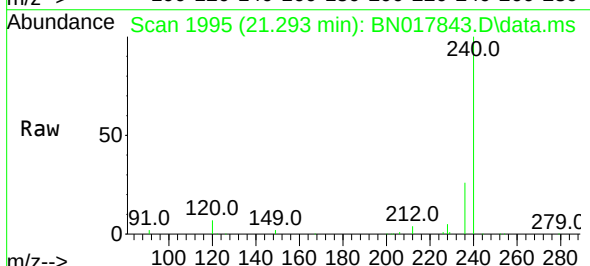
Tgt Ion:202 Resp: 907
Ion Ratio Lower Upper
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101 10.2 7.2 10.8
203 17.7 13.7 20.5

Manual Integrations
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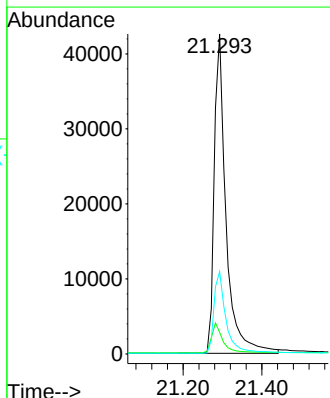
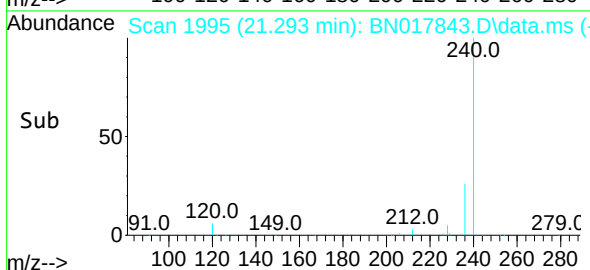
Reviewed By :Jagrut Upadhyay 12/10/2021
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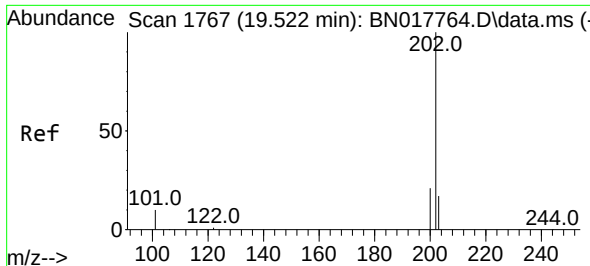


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.293 min Scan# 1995
Delta R.T. 0.010 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18



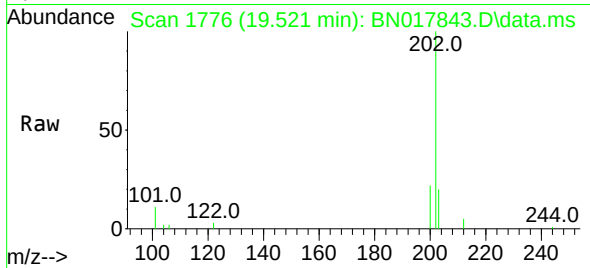
Tgt Ion:240 Resp: 88480
Ion Ratio Lower Upper
240 100
120 6.7 7.9 11.9#
236 25.8 21.4 32.2





#30
Pyrene
Concen: 0.034 ng
RT: 19.521 min Scan# 11
Delta R.T. -0.001 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18

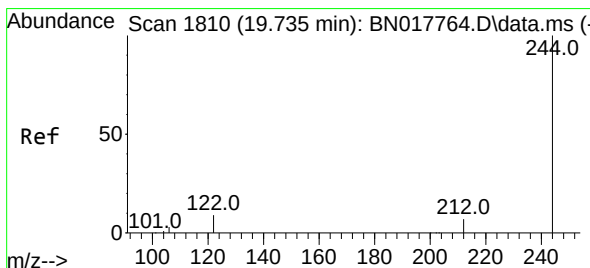
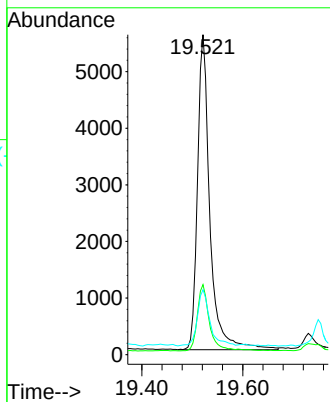
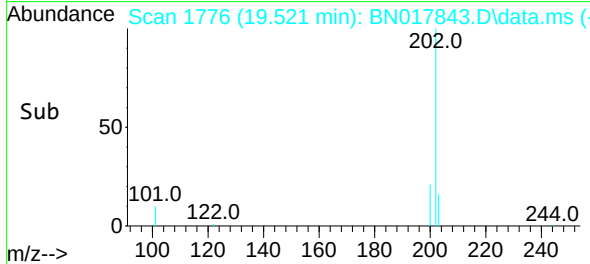
Instrument :
BNA_N
ClientSampleId :
RE108D1-20211202



Tgt Ion:202 Resp: 946
Ion Ratio Lower Upper
202 100
200 20.0 16.5 24.7
203 17.9 14.0 21.0

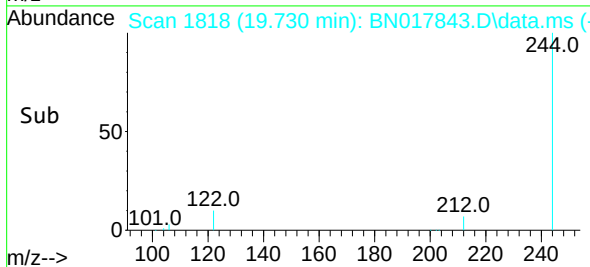
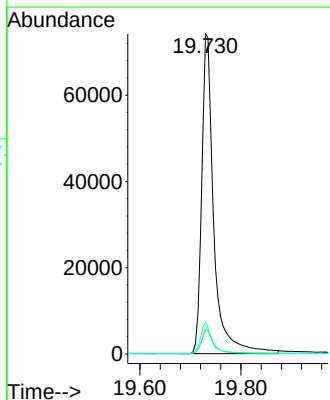
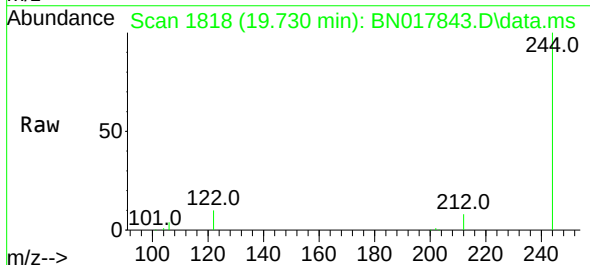
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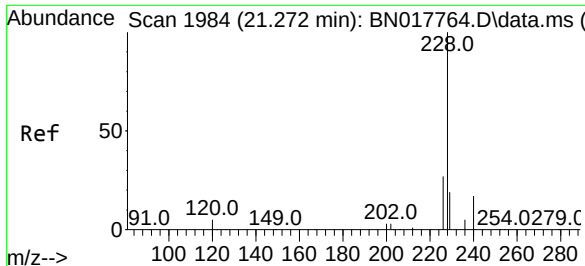
Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :Yogesh Patel 12/15/2021



#31
Terphenyl-d14
Concen: 0.648 ng
RT: 19.730 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18

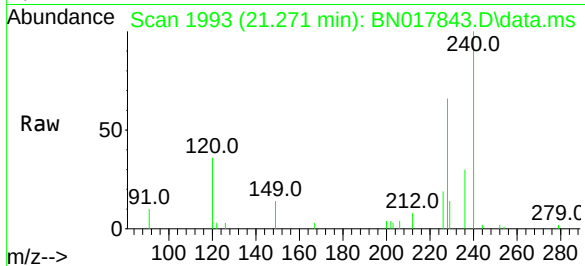
Tgt Ion:244 Resp: 123212
Ion Ratio Lower Upper
244 100
212 7.6 5.8 8.8
122 10.0 7.1 10.7





#32
Benzo(a)anthracene
Concen: 0.029 ng
RT: 21.271 min Scan# 1984
Delta R.T. -0.001 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18

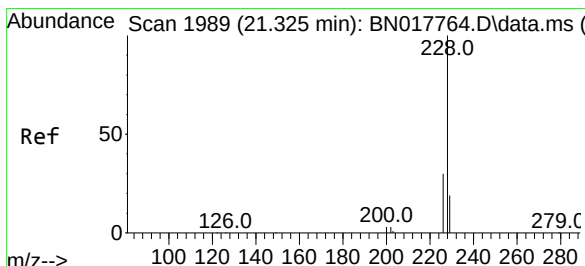
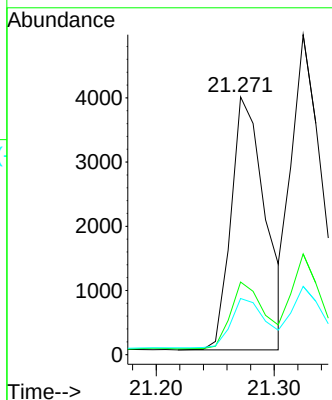
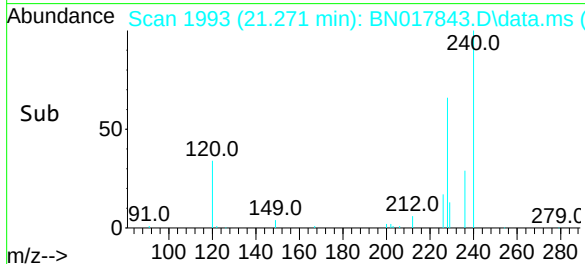
Instrument :
BNA_N
ClientSampleId :
RE108D1-20211202



Tgt Ion:228 Resp: 7980
Ion Ratio Lower Upper
228 100
226 28.2 21.4 32.0
229 21.8 15.7 23.5

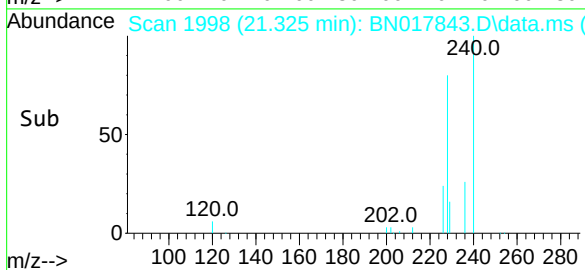
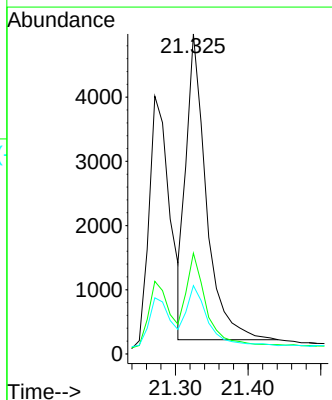
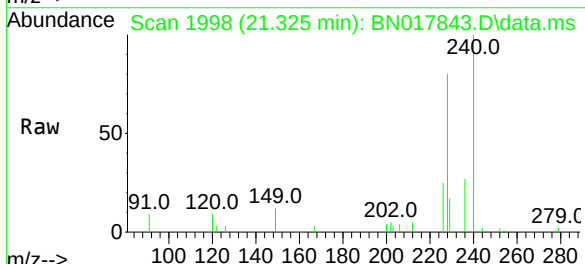
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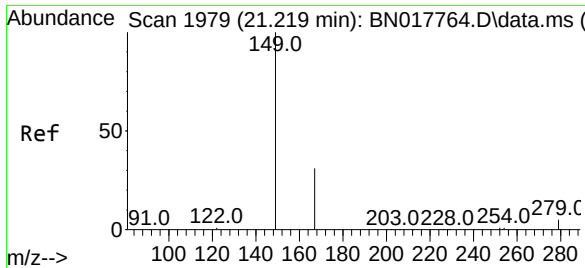
Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :Yogesh Patel 12/15/2021



#33
Chrysene
Concen: 0.032 ng
RT: 21.325 min Scan# 1998
Delta R.T. -0.001 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18

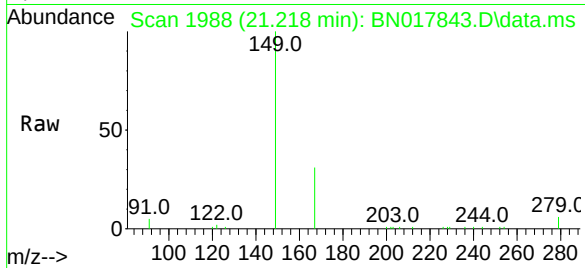
Tgt Ion:228 Resp: 9166
Ion Ratio Lower Upper
228 100
226 31.5 23.6 35.4
229 21.3 15.6 23.4





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.154 ng
 RT: 21.218 min Scan# 1979
 Delta R.T. -0.001 min
 Lab File: BN017843.D
 Acq: 09 Dec 2021 20:18

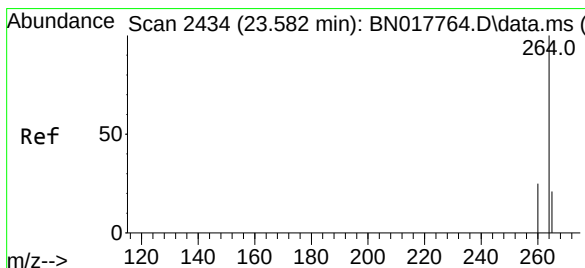
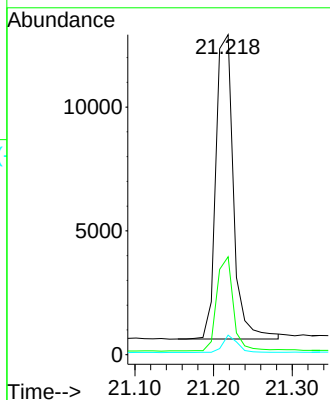
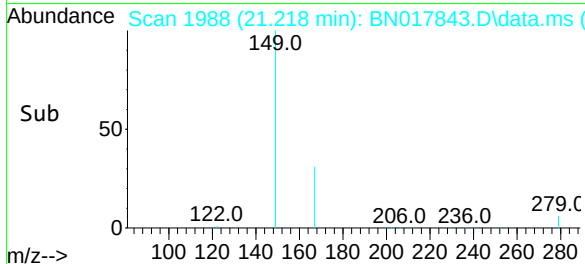
Instrument :
 BNA_N
 ClientSampleId :
 RE108D1-20211202



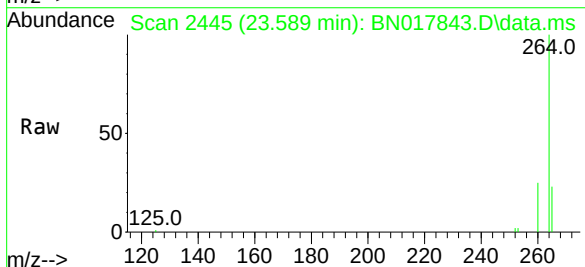
Tgt Ion:149 Resp: 19049
 Ion Ratio Lower Upper
 149 100
 167 28.8 23.5 35.3
 279 4.8 3.8 5.6

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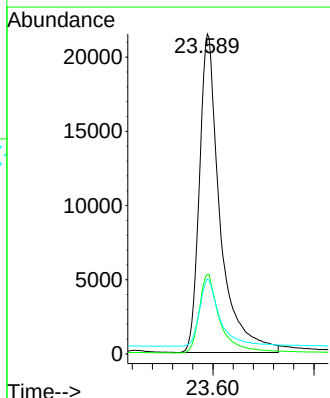
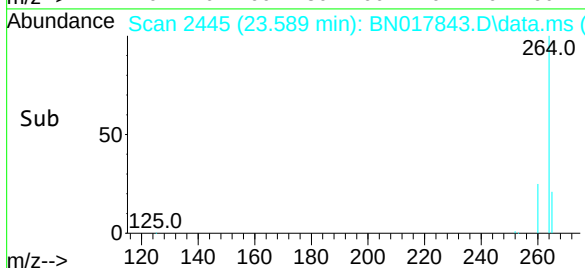
Reviewed By :Jagrut Upadhyay 12/10/2021
 Supervised By :Yogesh Patel 12/15/2021

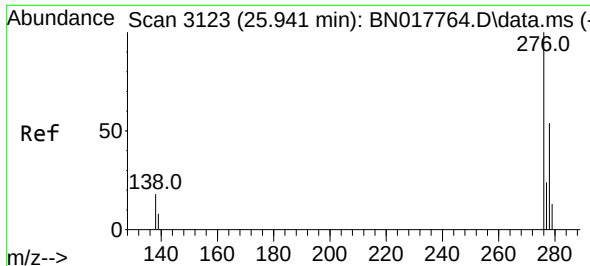


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.589 min Scan# 2445
 Delta R.T. 0.006 min
 Lab File: BN017843.D
 Acq: 09 Dec 2021 20:18



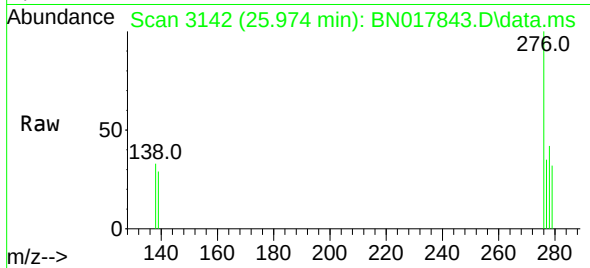
Tgt Ion:264 Resp: 60846
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.0 30.0
 265 23.4 20.5 30.7





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.020 ng m
RT: 25.974 min Scan# 3123
Delta R.T. 0.034 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18

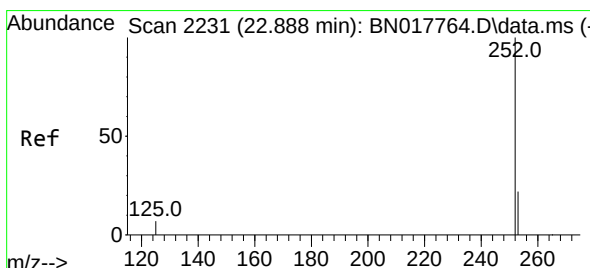
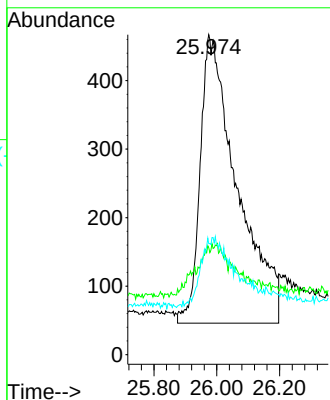
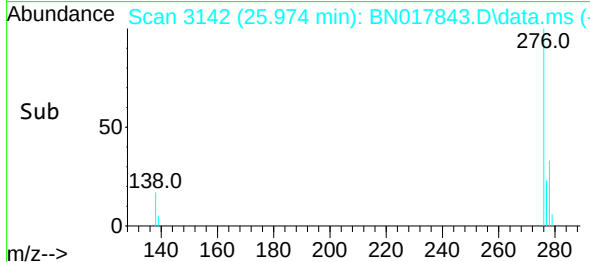
Instrument :
BNA_N
ClientSampleId :
RE108D1-20211202



Tgt Ion:276 Resp: 344
Ion Ratio Lower Upper
276 100
138 1.7 15.0 22.4#
277 6.7 19.8 29.8#

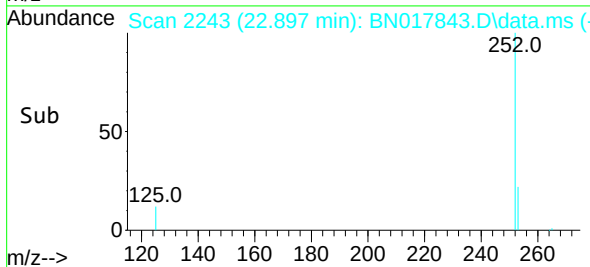
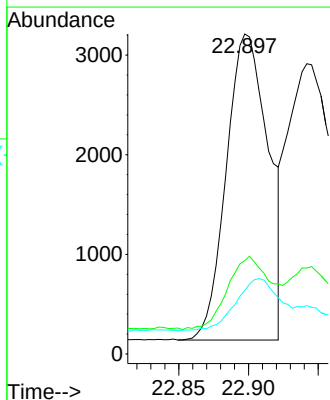
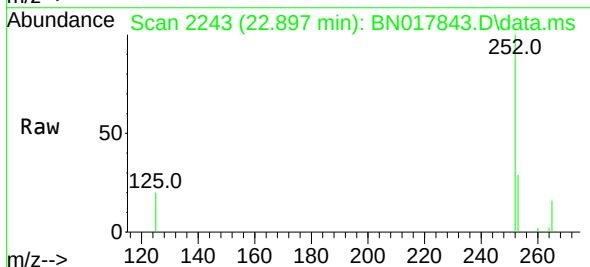
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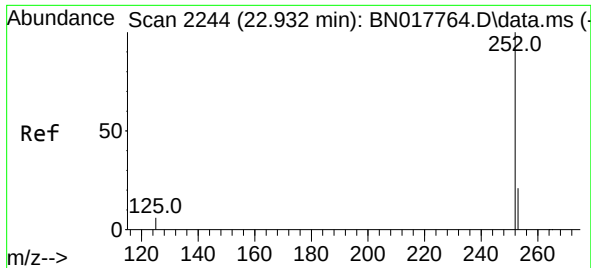
Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :Yogesh Patel 12/15/2021



#37
Benzo(b)fluoranthene
Concen: 0.031 ng
RT: 22.897 min Scan# 2243
Delta R.T. 0.010 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18

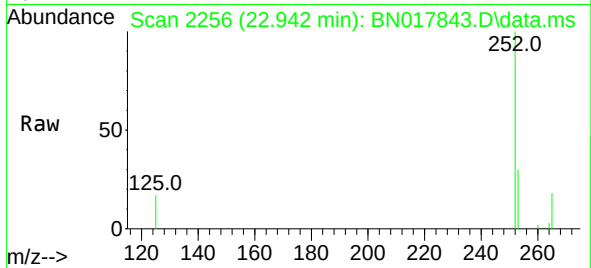
Tgt Ion:252 Resp: 6421
Ion Ratio Lower Upper
252 100
253 29.2 17.7 26.5#
125 19.8 6.2 9.2#





#38
Benzo(k)fluoranthene
Concen: 0.039 ng m
RT: 22.942 min Scan# 21
Delta R.T. 0.010 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18

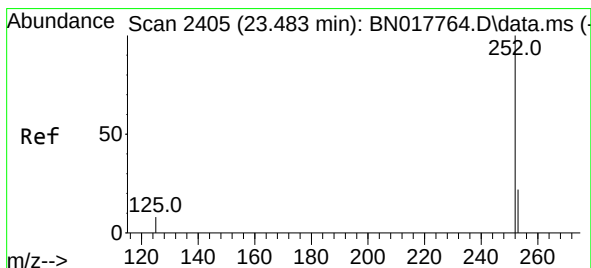
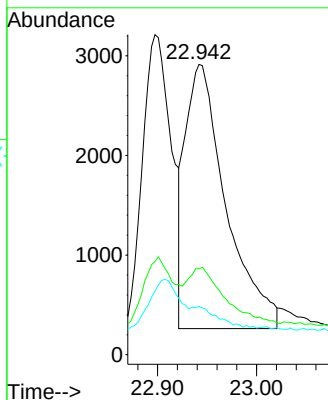
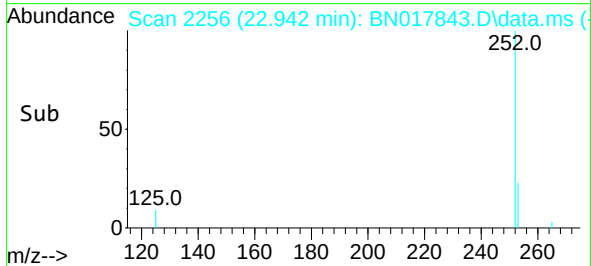
Instrument :
BNA_N
ClientSampleId :
RE108D1-20211202



Tgt Ion:252 Resp: 7570
Ion Ratio Lower Upper
252 100
253 29.6 17.8 26.6#
125 16.6 6.2 9.2#

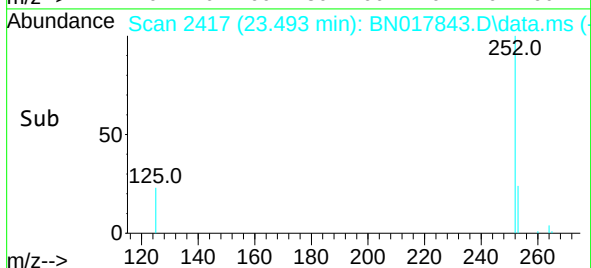
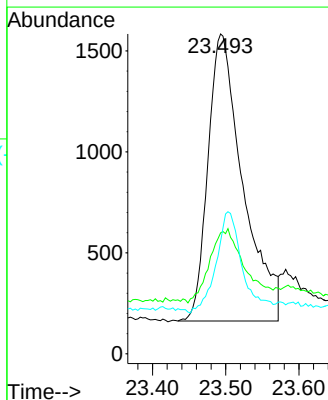
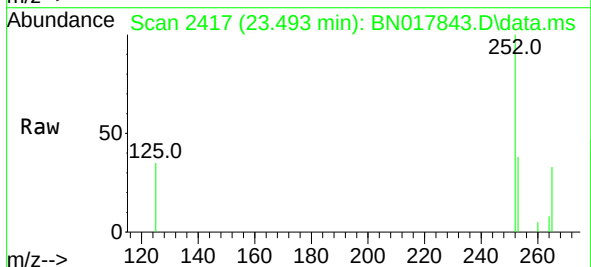
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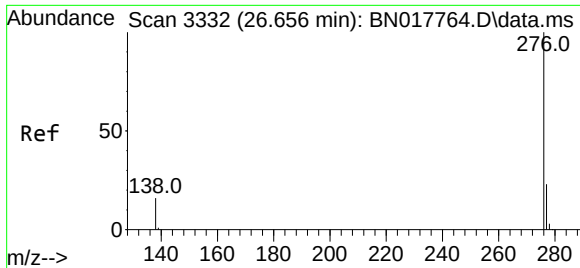
Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :Yogesh Patel 12/15/2021



#39
Benzo(a)pyrene
Concen: 0.025 ng
RT: 23.493 min Scan# 2417
Delta R.T. 0.010 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18

Tgt Ion:252 Resp: 4722
Ion Ratio Lower Upper
252 100
253 37.8 18.1 27.1#
125 35.2 7.0 10.4#





#41

Benzo(g,h,i)perylene

Concen: 0.022 ng

RT: 26.686 min Scan# 3129

Delta R.T. 0.030 min

Lab File: BN017843.D

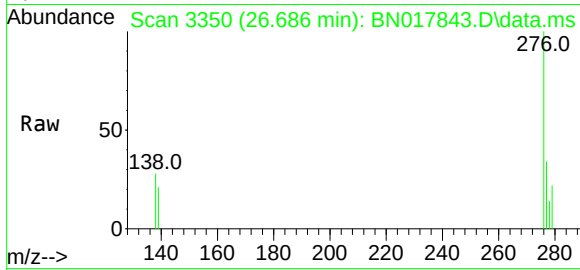
Acq: 09 Dec 2021 20:18

Instrument :

BNA_N

ClientSampleId :

RE108D1-20211202



Tgt Ion:276 Resp: 3129

Ion Ratio Lower Upper

276 100

277 33.7 19.1 28.7

138 27.9 13.2 19.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/10/2021

Supervised By :Yogesh Patel 12/15/2021

