

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
 Data File : BN017941.D
 Acq On : 12 Dec 2021 15:29
 Operator : CG/JU
 Sample : M4988-02
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE109D1-20211206

Quant Time: Dec 13 00:40:25 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN121121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 11 00:01:30 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 12/13/2021
 Supervised By :Jagrut Upadhyay 12/13/2021

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	29671	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	118051	0.400	ng	0.00
13) Acenaphthene-d10	14.334	164	81203	0.400	ng	0.00
19) Phenanthrene-d10	17.080	188	155094	0.400	ng	#-0.01
29) Chrysene-d12	21.293	240	115383	0.400	ng	# 0.00
35) Perylene-d12	23.585	264	89218	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.336	112	8178	0.134	ng	0.00
5) Phenol-d6	6.903	99	4600	0.076	ng	0.00
8) Nitrobenzene-d5	8.846	82	21271	0.276	ng	-0.01
11) 2-Methylnaphthalene-d10	12.089	152	49636	0.239	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	4642	0.437	ng	0.00
15) 2-Fluorobiphenyl	12.964	172	79739	0.279	ng	0.00
27) Fluoranthene-d10	19.124	212	160663	0.320	ng	0.00
31) Terphenyl-d14	19.730	244	132831	0.467	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.270	88	26572m	2.951	ng	
9) Naphthalene	10.544	128	10801	0.037	ng	96
32) Benzo(a)anthracene	21.272	228	19748	0.103	ng	# 87
33) Chrysene	21.325	228	21867	0.058	ng	# 92
34) Bis(2-ethylhexyl)phtha...	21.208	149	1252788	10.114	ng	98
36) Indeno(1,2,3-cd)pyrene	25.968	276	7160m	0.127	ng	
37) Benzo(b)fluoranthene	22.890	252	16113	0.055	ng	# 1
38) Benzo(k)fluoranthene	22.938	252	14705m	0.051	ng	
39) Benzo(a)pyrene	23.486	252	13914	0.053	ng	# 1
40) Dibenzo(a,h)anthracene	25.988	278	5231m	0.142	ng	
41) Benzo(g,h,i)perylene	26.676	276	6933	0.049	ng	# 60

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

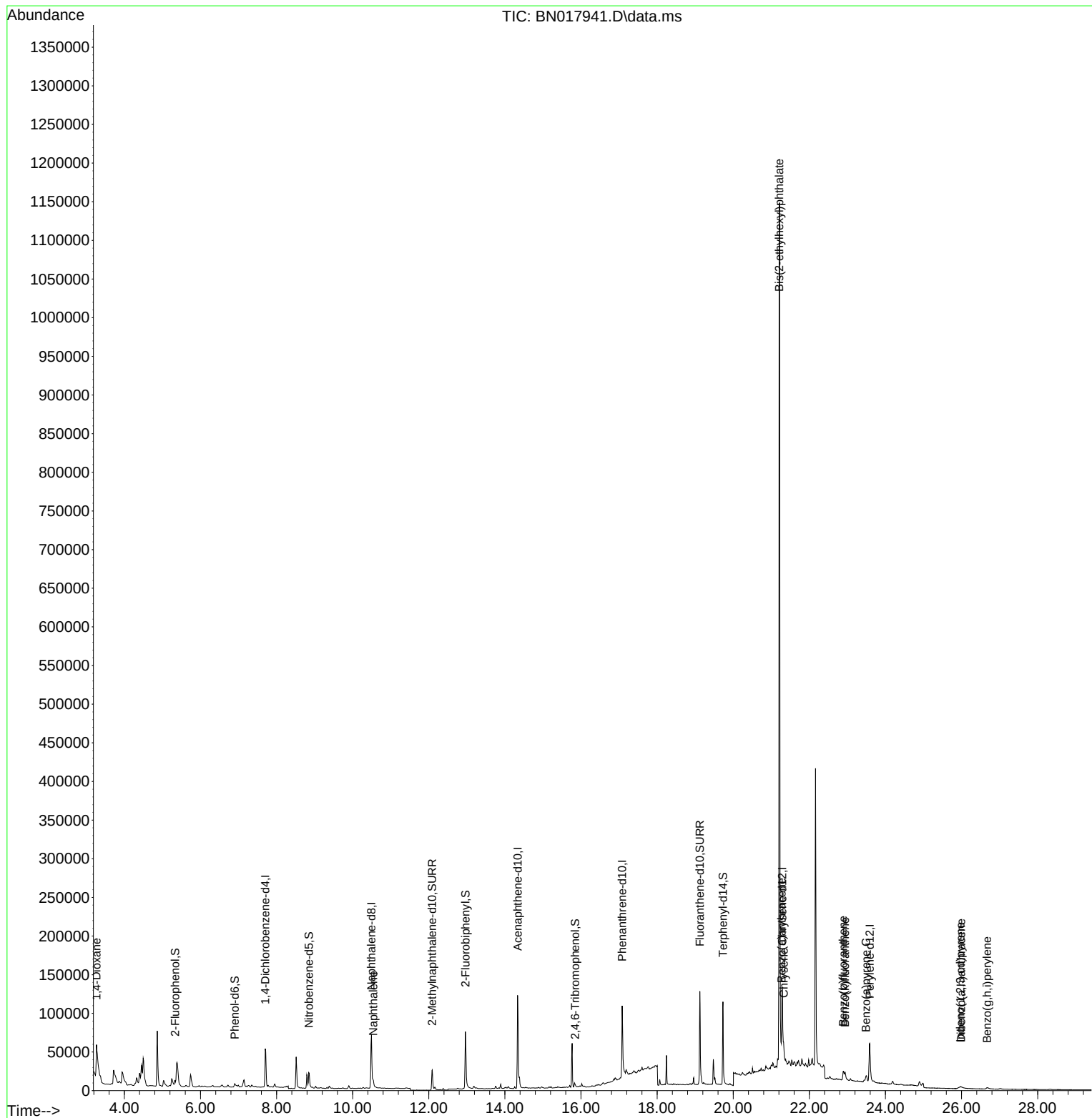
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
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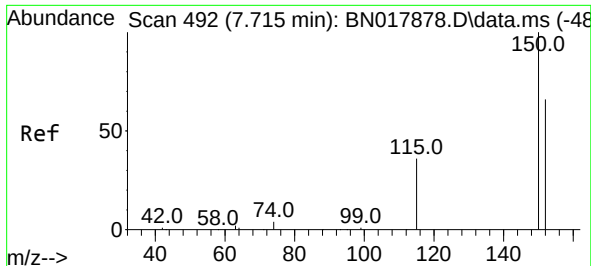
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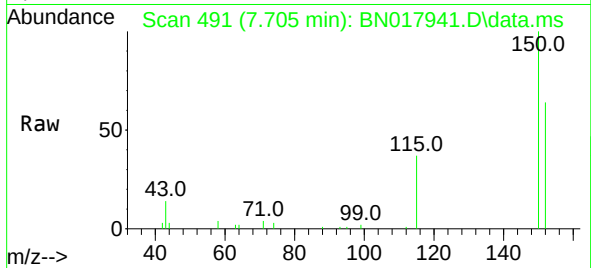
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.705 min Scan# 492
Delta R.T. -0.010 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

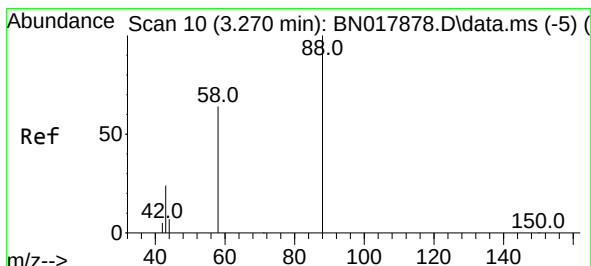
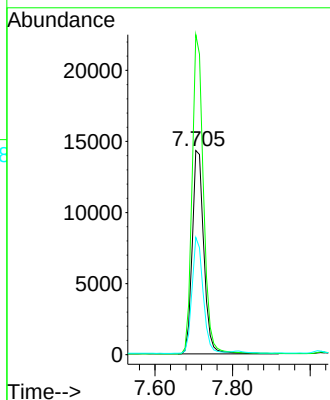
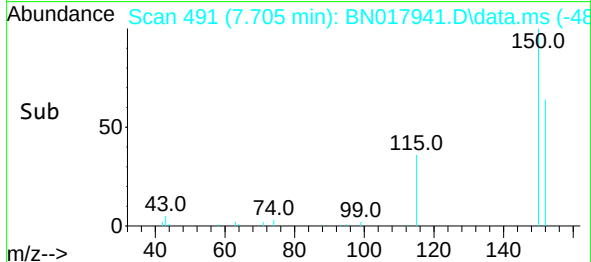
Instrument :
BNA_N
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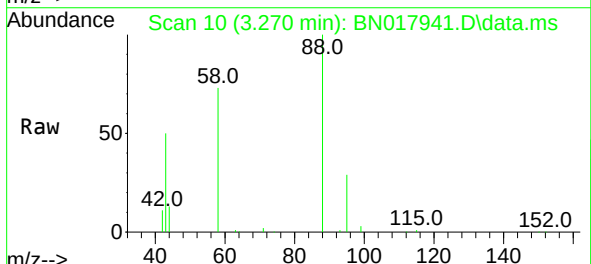
Tgt Ion: 152 Resp: 29672
Ion Ratio Lower Upper
152 100
150 156.8 121.9 182.9
115 57.5 44.1 66.1

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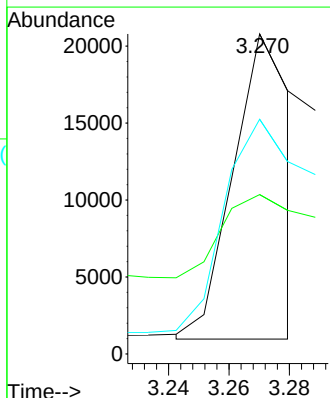
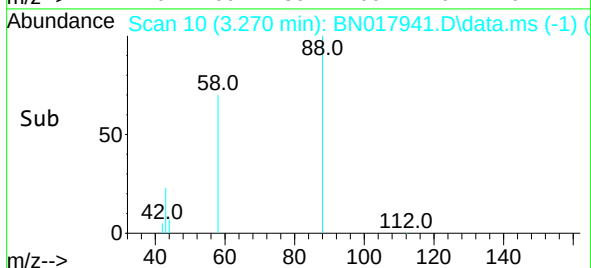
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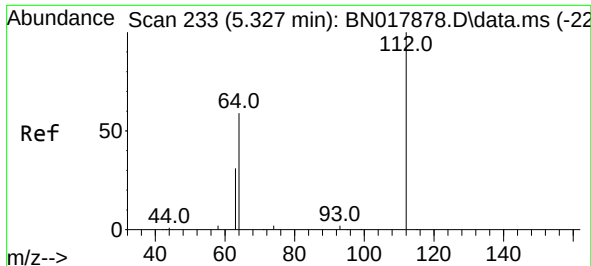


#2
1,4-Dioxane
Concen: 2.951 ng m
RT: 3.270 min Scan# 10
Delta R.T. -0.000 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29



Tgt Ion: 88 Resp: 26572
Ion Ratio Lower Upper
88 100
43 45.8 28.0 42.0#
58 117.5 65.4 98.0#





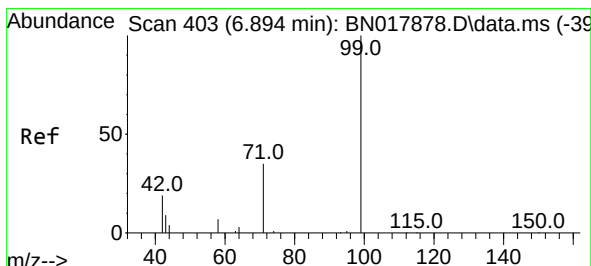
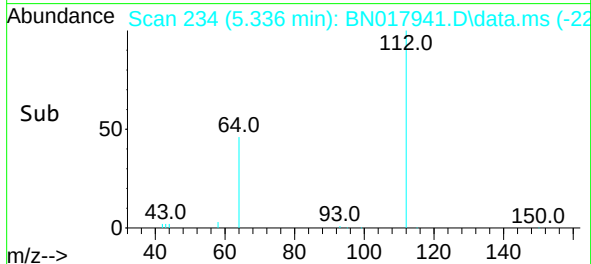
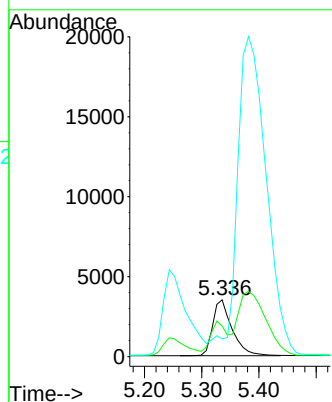
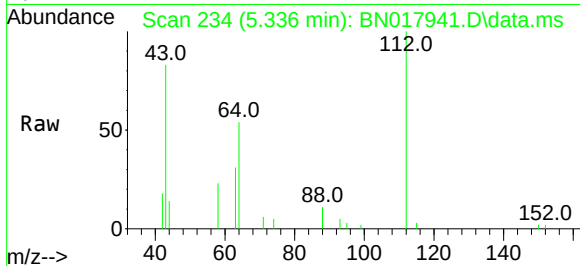
#4
2-Fluorophenol
Concen: 0.134 ng
RT: 5.336 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

Instrument :
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Tgt Ion:112 Resp: 8178
Ion Ratio Lower Upper
112 100
64 40.3 49.0 73.4
63 0.0 26.2 39.2

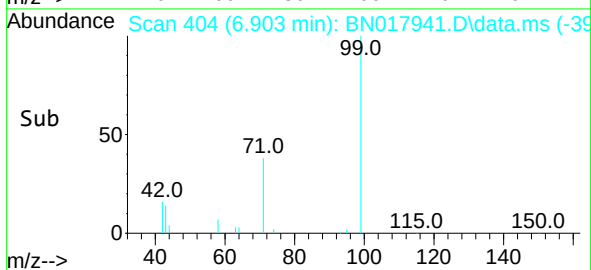
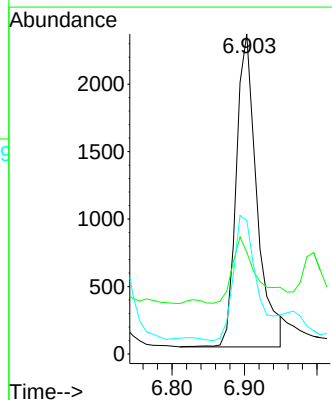
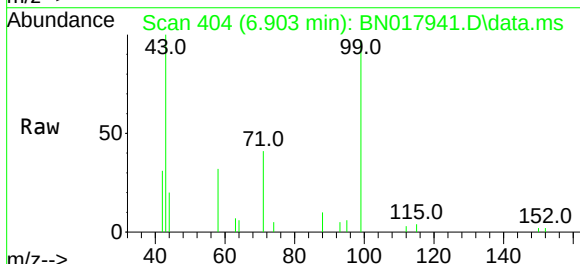
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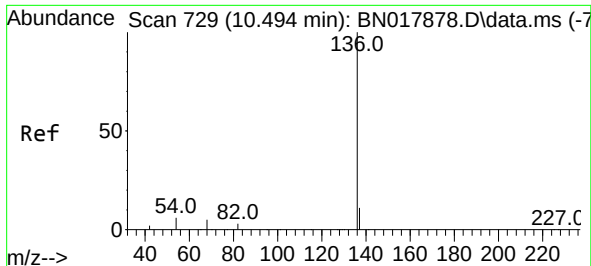
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Supervised By :Jagrut Upadhyay 12/13/2021



#5
Phenol-d6
Concen: 0.076 ng
RT: 6.903 min Scan# 404
Delta R.T. 0.009 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

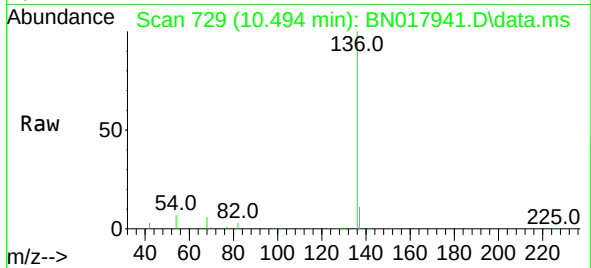
Tgt Ion: 99 Resp: 4600
Ion Ratio Lower Upper
99 100
42 23.0 17.0 25.4
71 44.7 28.0 42.0





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

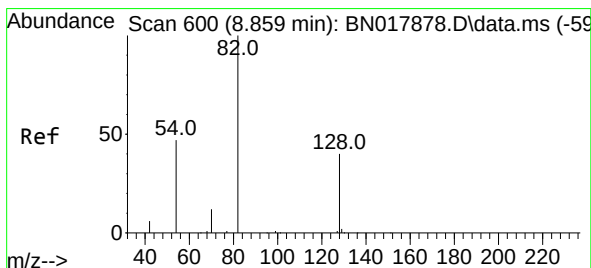
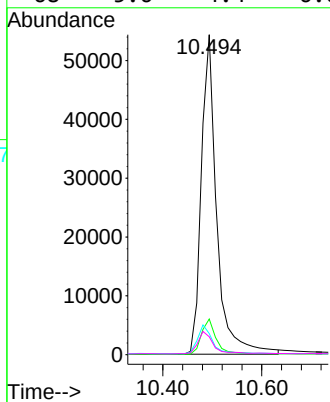
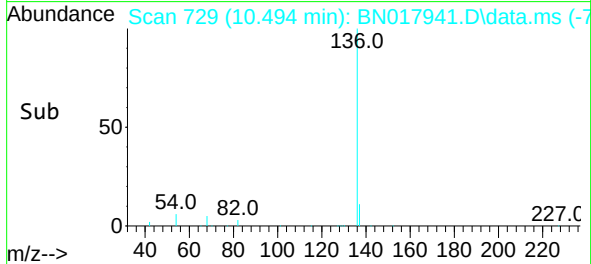
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:136 Resp: 11805
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.6 5.1 7.7
68 5.6 4.4 6.6

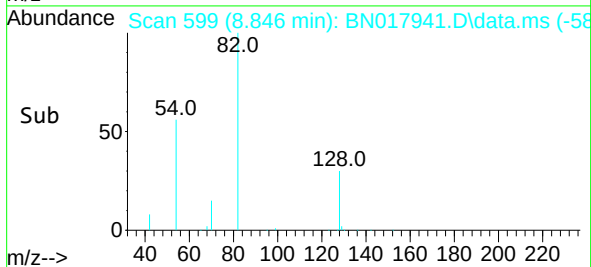
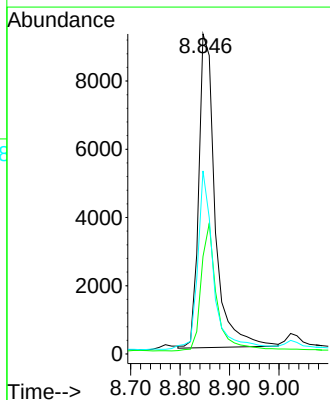
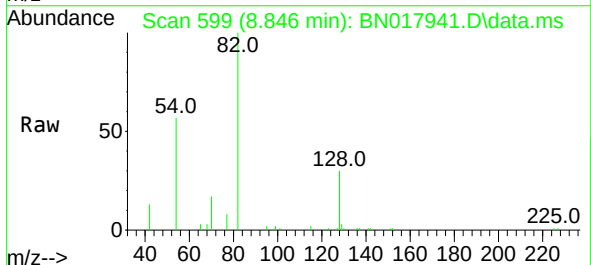
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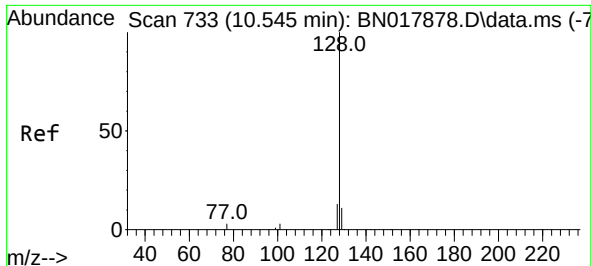
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Supervised By :Jagrut Upadhyay 12/13/2021



#8
Nitrobenzene-d5
Concen: 0.276 ng
RT: 8.846 min Scan# 599
Delta R.T. -0.013 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

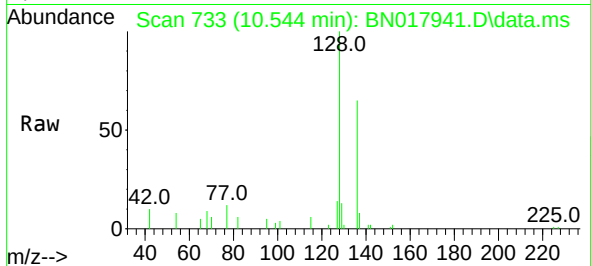
Tgt Ion: 82 Resp: 21271
Ion Ratio Lower Upper
82 100
128 30.5 32.2 48.4#
54 57.2 37.6 56.4#





#9
Naphthalene
Concen: 0.037 ng
RT: 10.544 min Scan# 71
Delta R.T. -0.001 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

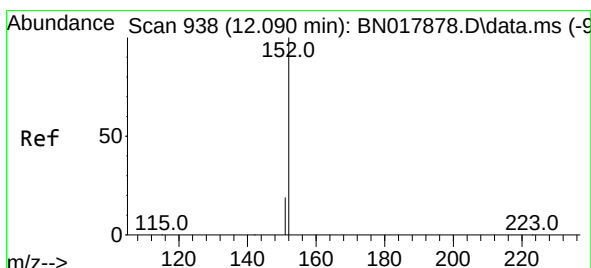
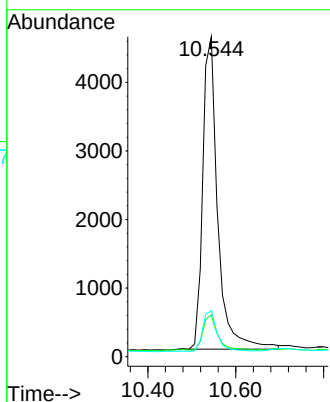
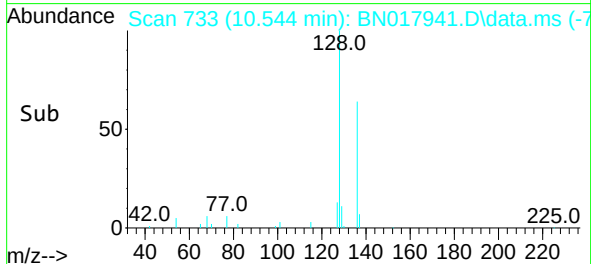
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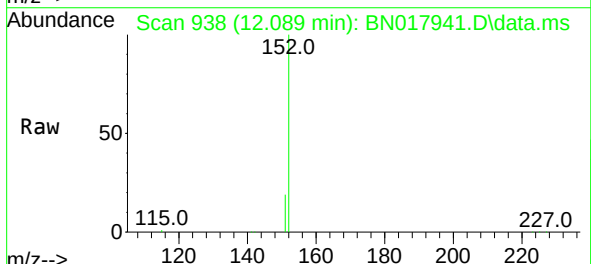
Tgt Ion:128 Resp: 1080
Ion Ratio Lower Upper
128 100
129 13.0 8.8 13.2
127 14.4 10.5 15.7

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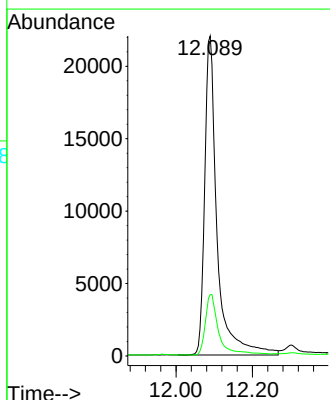
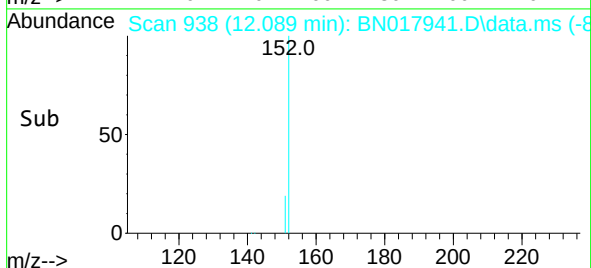
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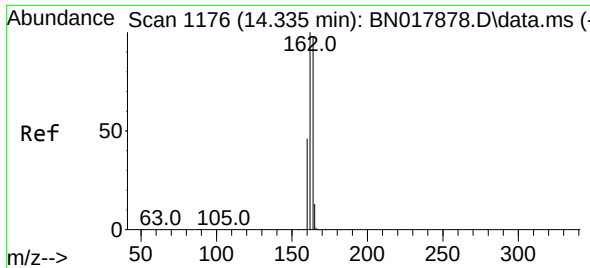


#11
2-Methylnaphthalene-d10
Concen: 0.239 ng
RT: 12.089 min Scan# 938
Delta R.T. -0.000 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29



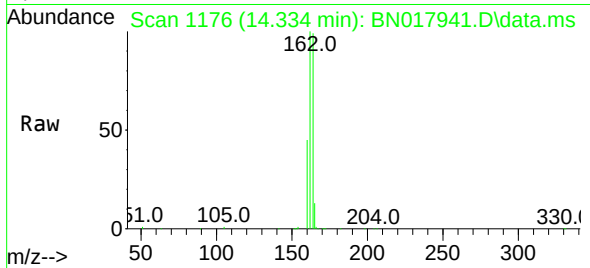
Tgt Ion:152 Resp: 49636
Ion Ratio Lower Upper
152 100
151 20.5 16.4 24.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

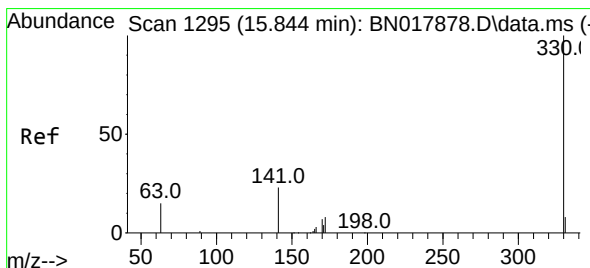
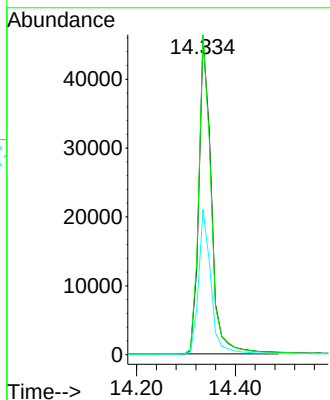
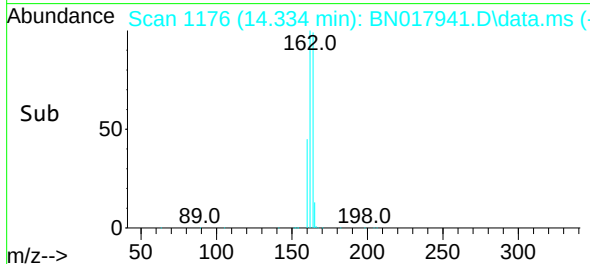
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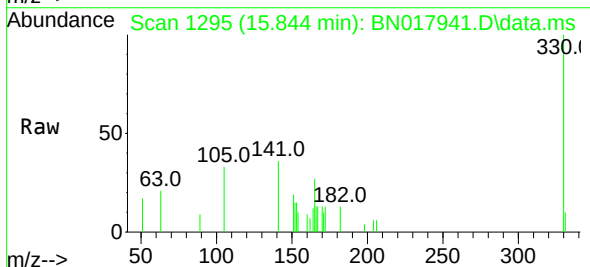
Tgt Ion:164 Resp: 8120
Ion Ratio Lower Upper
164 100
162 100.9 82.1 123.1
160 45.8 38.2 57.2

Manual Integrations
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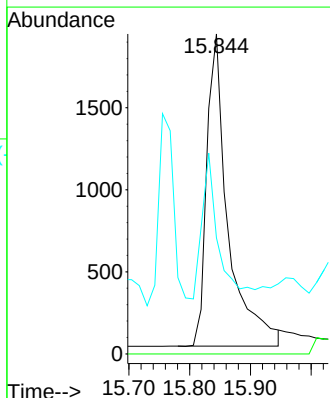
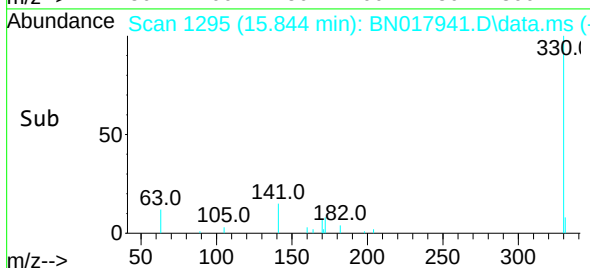
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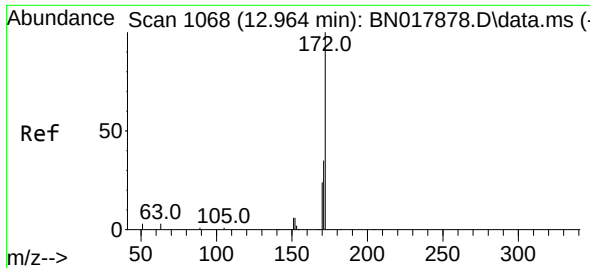


#14
2,4,6-Tribromophenol
Concen: 0.437 ng
RT: 15.844 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29



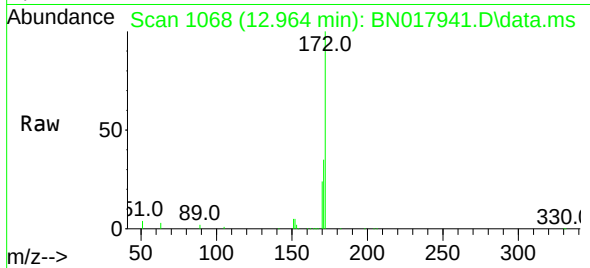
Tgt Ion:330 Resp: 4642
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 35.7 19.7 29.5





#15
2-Fluorobiphenyl
Concen: 0.279 ng
RT: 12.964 min Scan# 1068
Delta R.T. -0.000 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

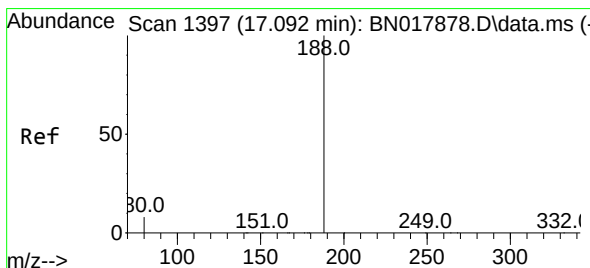
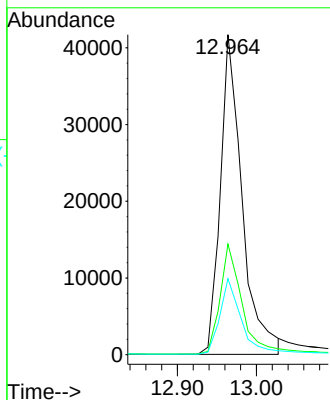
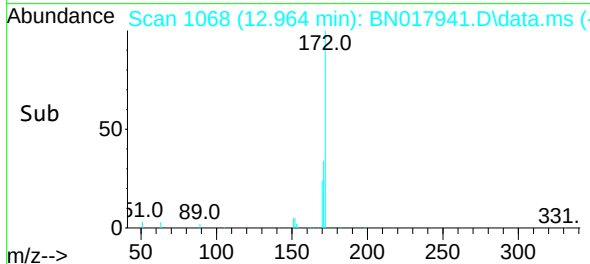
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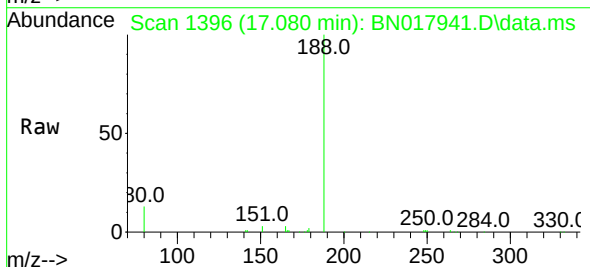
Tgt Ion:172 Resp: 79739
Ion Ratio Lower Upper
172 100
171 34.6 28.3 42.5
170 23.8 19.1 28.7

Manual Integrations
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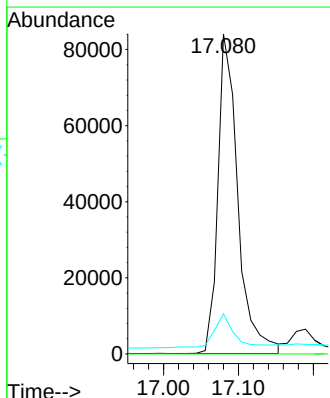
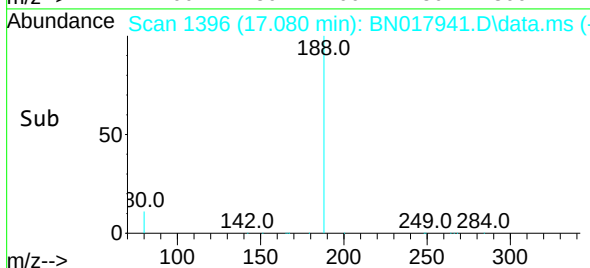
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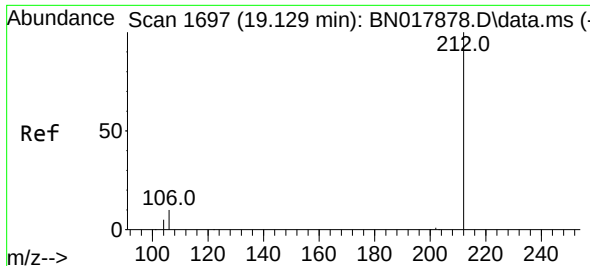


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.080 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29



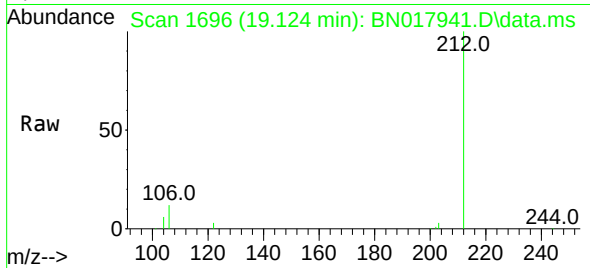
Tgt Ion:188 Resp: 155094
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.6 6.2 9.2#





#27
Fluoranthene-d10
Concen: 0.320 ng
RT: 19.124 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

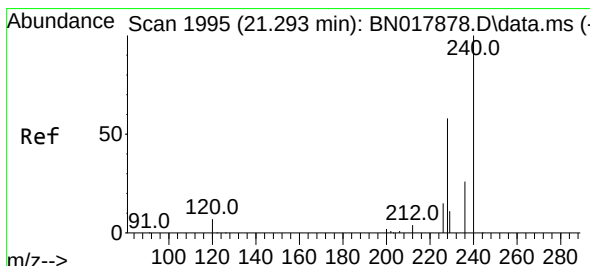
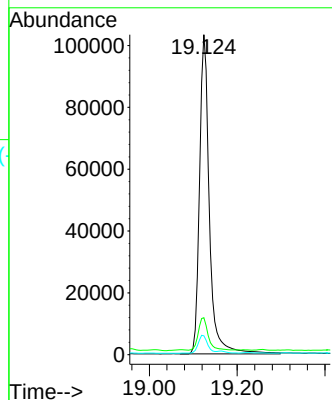
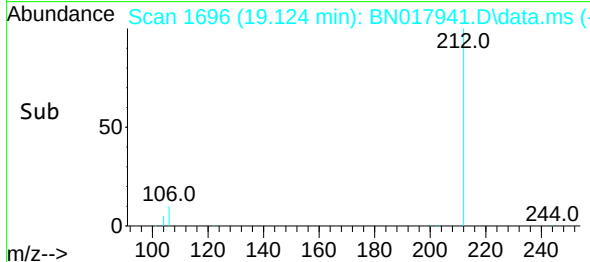
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Tgt Ion:212 Resp: 16066
Ion Ratio Lower Upper
212 100
106 10.3 8.3 12.5
104 5.4 4.6 6.8

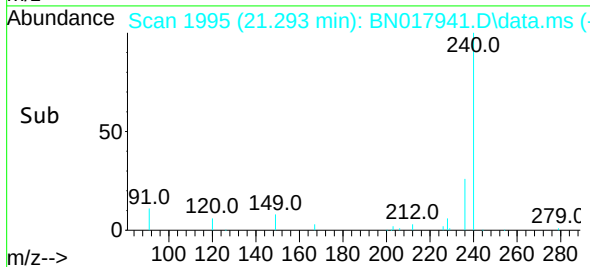
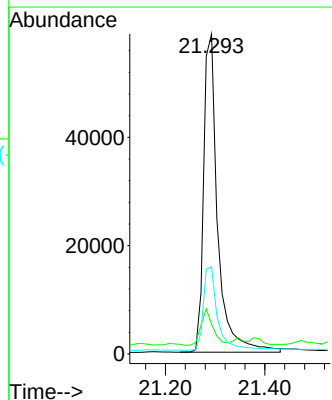
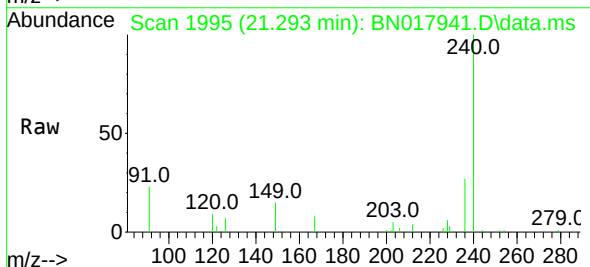
Manual Integrations
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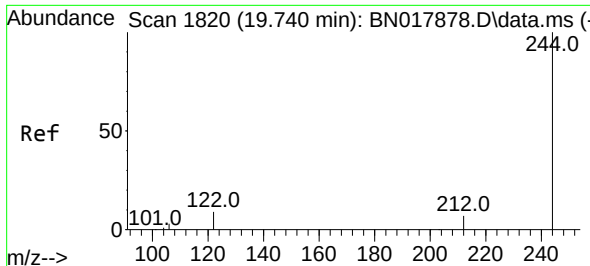
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Supervised By :Jagrut Upadhyay 12/13/2021



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.293 min Scan# 1995
Delta R.T. -0.000 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

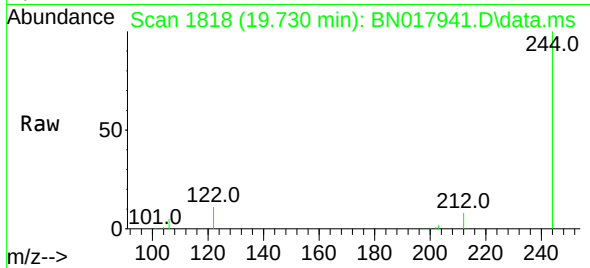
Tgt Ion:240 Resp: 115383
Ion Ratio Lower Upper
240 100
120 9.3 5.8 8.8#
236 27.2 21.0 31.6





#31
 Terphenyl-d14
 Concen: 0.467 ng
 RT: 19.730 min Scan# 1818
 Delta R.T. -0.010 min
 Lab File: BN017941.D
 Acq: 12 Dec 2021 15:29

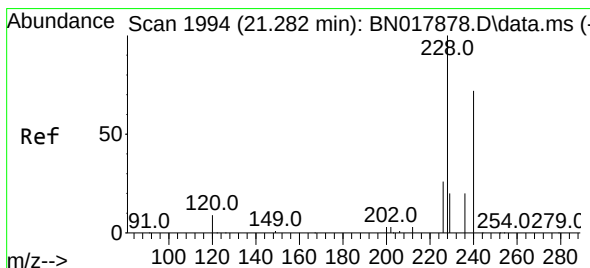
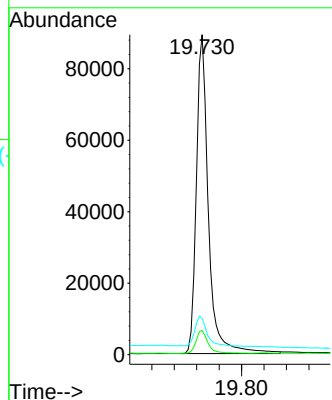
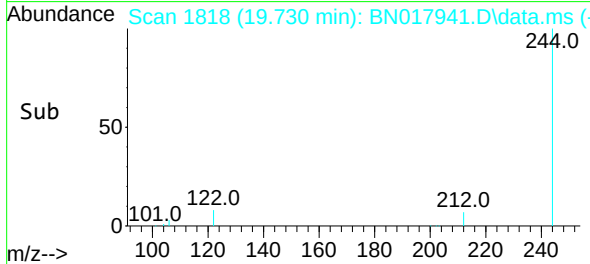
Instrument :
 BNA_N
 ClientSampleId :
 RE109D1-20211206



Tgt Ion:244 Resp: 13283
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 11.4 7.5 11.3

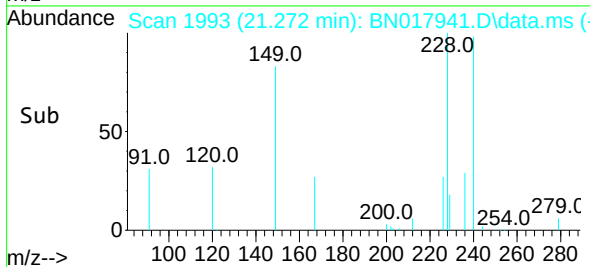
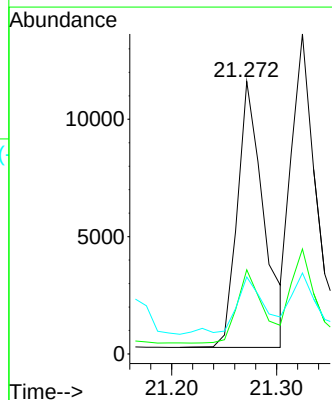
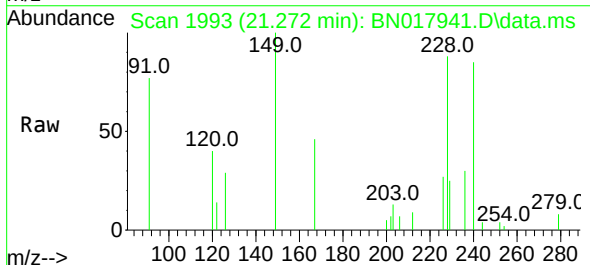
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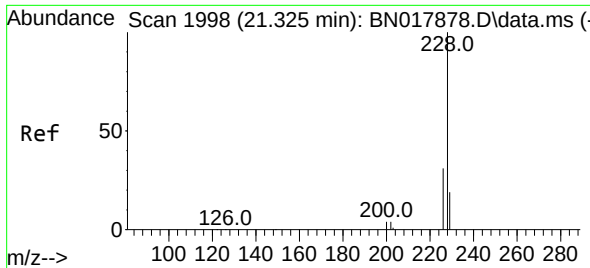
Reviewed By :Christian Giraldo 12/13/2021
 Supervised By :Jagrut Upadhyay 12/13/2021



#32
 Benzo(a)anthracene
 Concen: 0.103 ng
 RT: 21.272 min Scan# 1993
 Delta R.T. -0.010 min
 Lab File: BN017941.D
 Acq: 12 Dec 2021 15:29

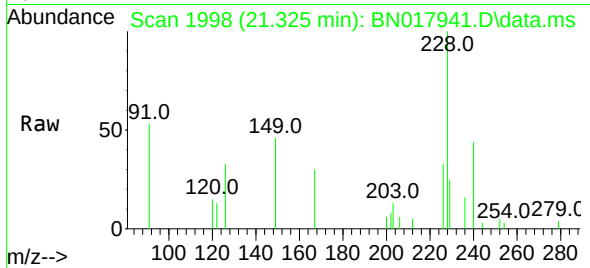
Tgt Ion:228 Resp: 19748
 Ion Ratio Lower Upper
 228 100
 226 30.9 21.0 31.4
 229 28.2 15.8 23.8





#33
Chrysene
Concen: 0.058 ng
RT: 21.325 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

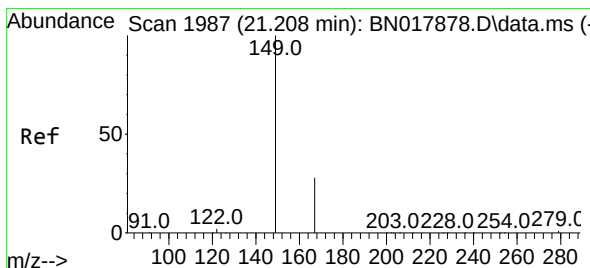
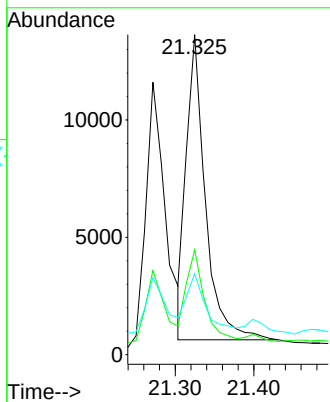
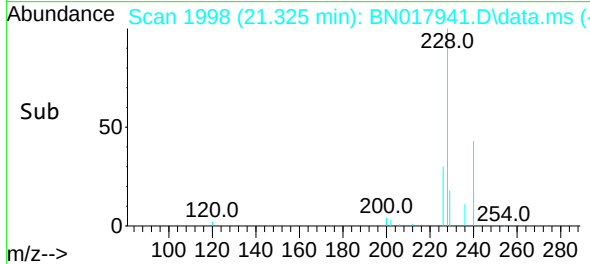
Instrument :
BNA_N
ClientSampleId :
RE109D1-20211206



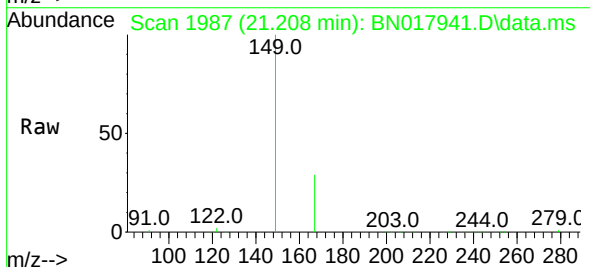
Tgt Ion:228 Resp: 2186
Ion Ratio Lower Upper
228 100
226 32.8 23.8 35.8
229 25.3 15.6 23.4

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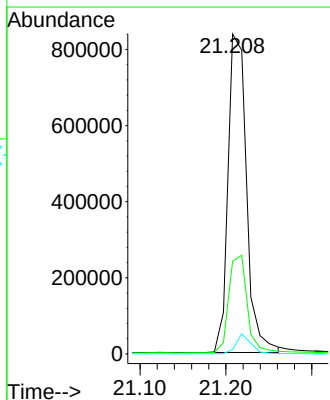
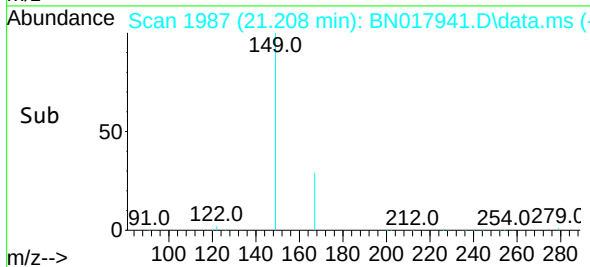
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021

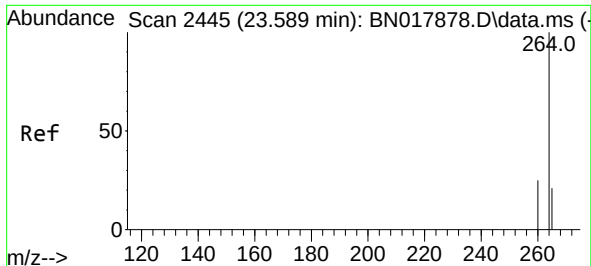


#34
Bis(2-ethylhexyl)phthalate
Concen: 10.114 ng
RT: 21.208 min Scan# 1987
Delta R.T. -0.000 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29



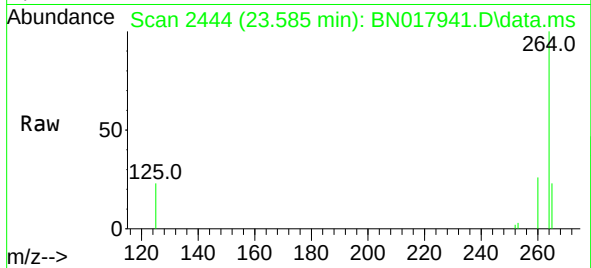
Tgt Ion:149 Resp: 1252788
Ion Ratio Lower Upper
149 100
167 30.5 23.4 35.0
279 5.1 3.6 5.4





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.585 min Scan# 2445
Delta R.T. -0.004 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

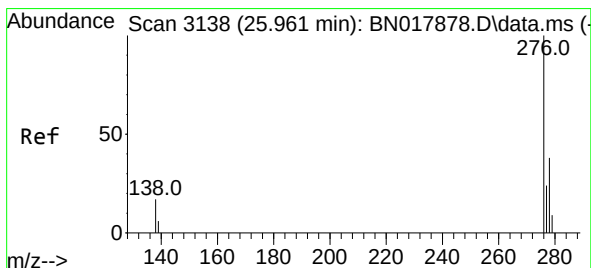
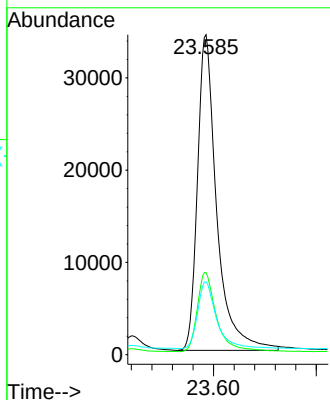
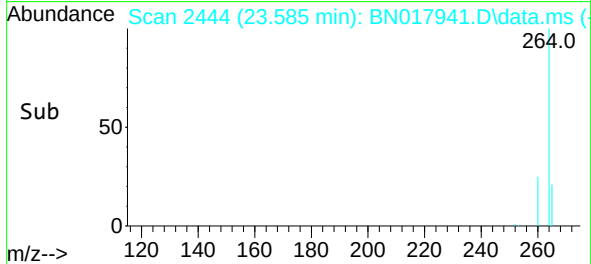
Instrument :
BNA_N
ClientSampleId :
RE109D1-20211206



Tgt Ion:264 Resp: 89218
Ion Ratio Lower Upper
264 100
260 25.6 20.2 30.4
265 22.7 18.2 27.4

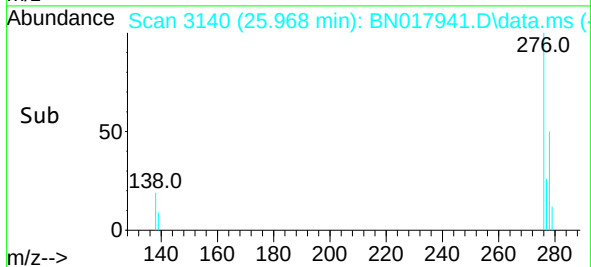
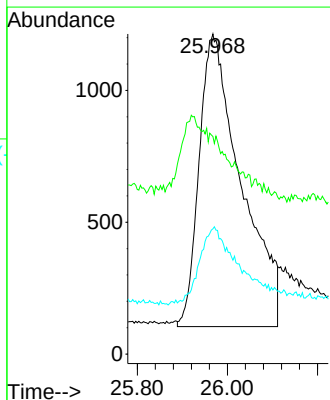
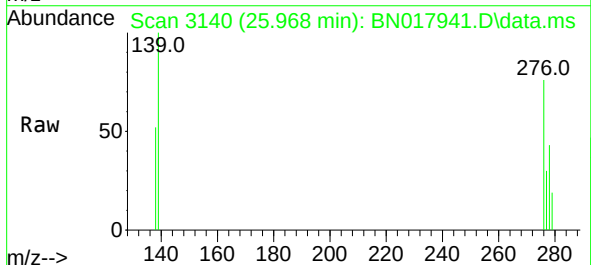
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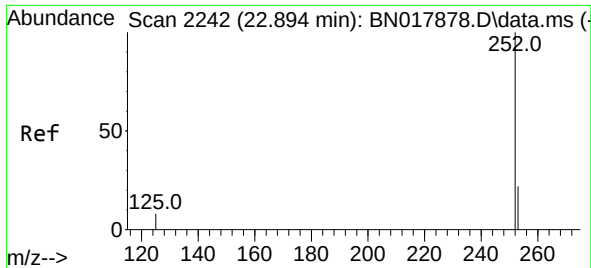
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.127 ng m
RT: 25.968 min Scan# 3140
Delta R.T. 0.007 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

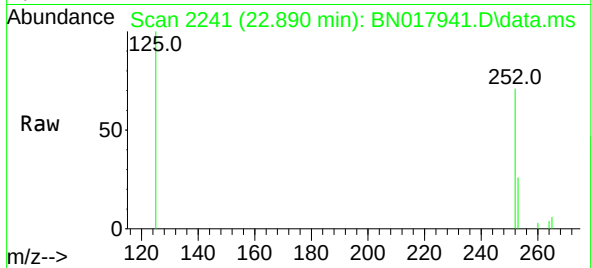
Tgt Ion:276 Resp: 7160
Ion Ratio Lower Upper
276 100
138 0.0 15.2 22.8#
277 21.3 19.8 29.6





#37
Benzo(b)fluoranthene
Concen: 0.055 ng
RT: 22.890 min Scan# 2111
Delta R.T. -0.004 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

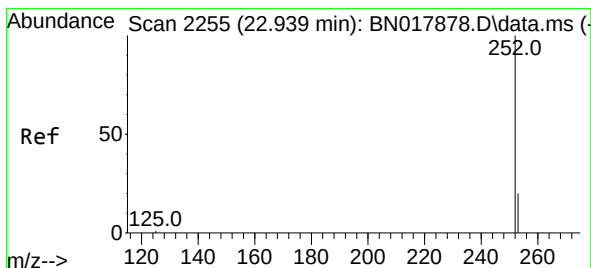
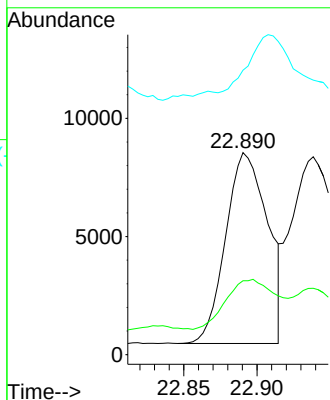
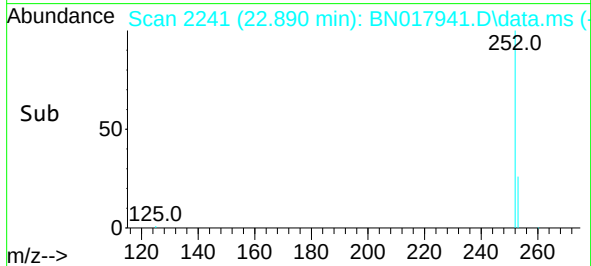
Instrument :
BNA_N
ClientSampleId :
RE109D1-20211206



Tgt Ion:252 Resp: 1611
Ion Ratio Lower Upper
252 100
253 36.6 17.9 26.9#
125 140.8 6.8 10.2#

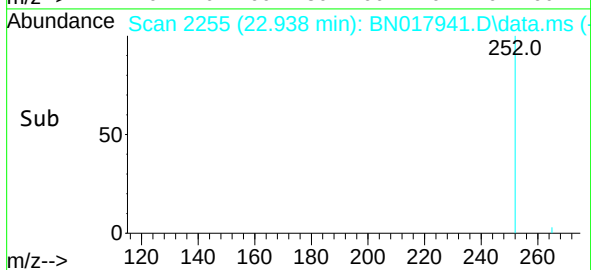
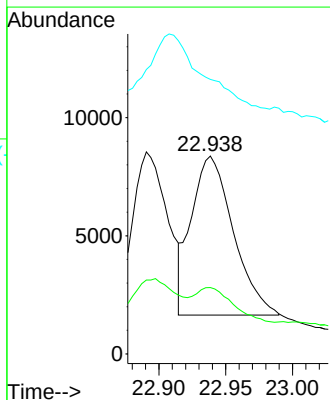
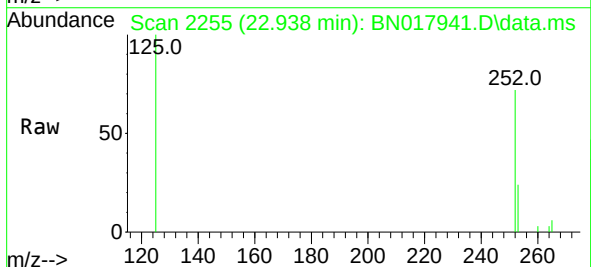
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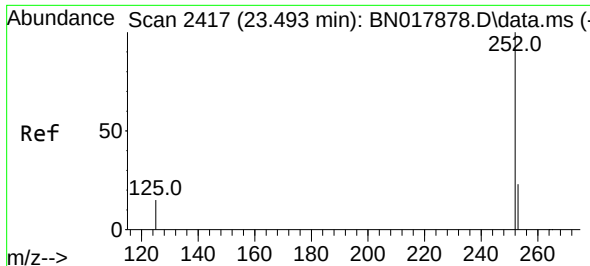
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#38
Benzo(k)fluoranthene
Concen: 0.051 ng m
RT: 22.938 min Scan# 2255
Delta R.T. -0.000 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

Tgt Ion:252 Resp: 14705
Ion Ratio Lower Upper
252 100
253 33.5 17.8 26.6#
125 138.8 6.1 9.1#





#39

Benzo(a)pyrene

Concen: 0.053 ng

RT: 23.486 min Scan# 2417

Delta R.T. -0.007 min

Lab File: BN017941.D

Acq: 12 Dec 2021 15:29

Instrument :

BN017941.D

ClientSampleId :

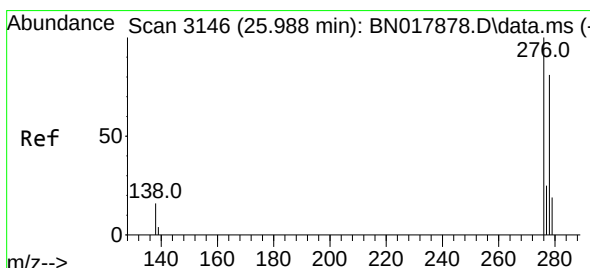
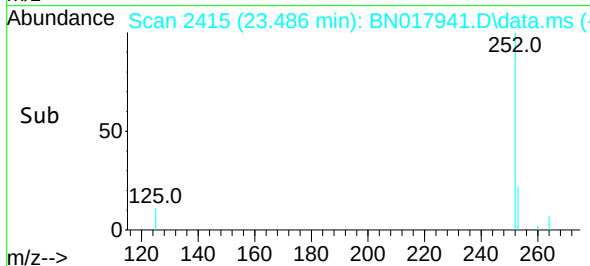
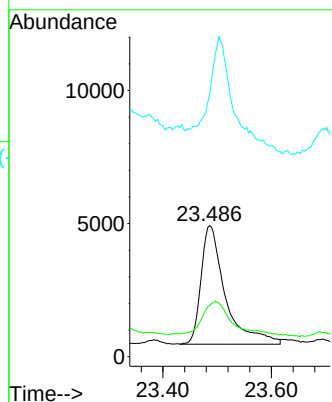
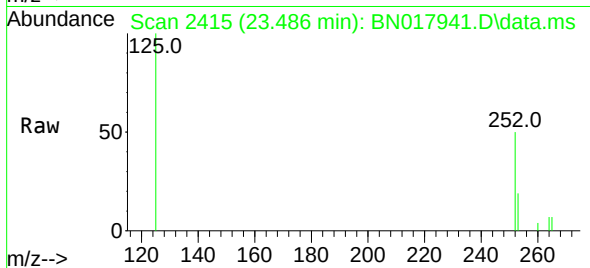
RE109D1-20211206

Tgt Ion:252	Resp:	13914
Ion Ratio	Lower	Upper
252	100	
253	38.8	18.8 28.2
125	199.8	12.2 18.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 12/13/2021



#40

Dibenzo(a,h)anthracene

Concen: 0.142 ng m

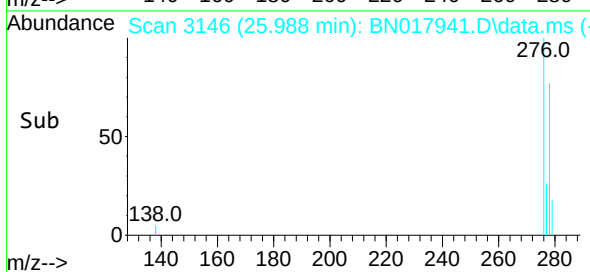
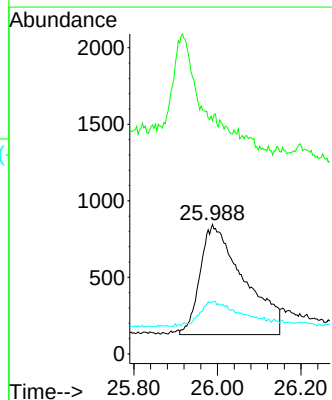
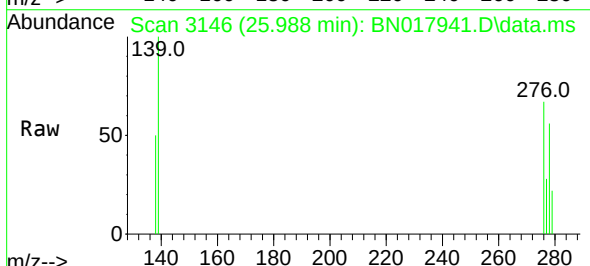
RT: 25.988 min Scan# 3146

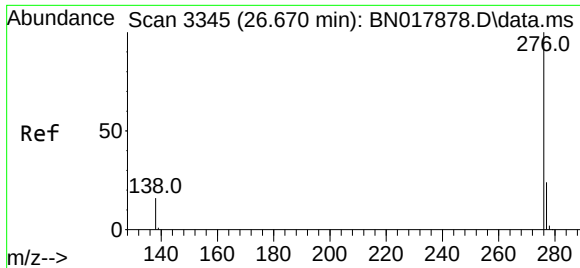
Delta R.T. 0.000 min

Lab File: BN017941.D

Acq: 12 Dec 2021 15:29

Tgt Ion:278	Resp:	5231
Ion Ratio	Lower	Upper
278	100	
139	180.0	12.0 18.0#
279	40.0	20.8 31.2#





#41

Benzo(g,h,i)perylene

Concen: 0.049 ng

RT: 26.676 min Scan# 31

Delta R.T. 0.006 min

Lab File: BN017941.D

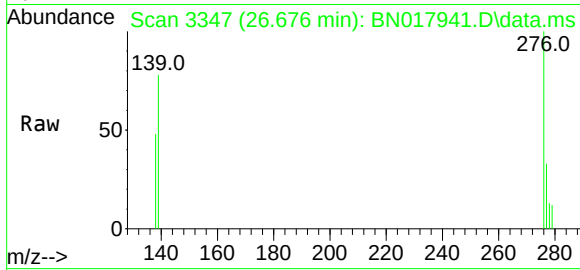
Acq: 12 Dec 2021 15:29

Instrument :

BNA_N

ClientSampleId :

RE109D1-20211206



Tgt Ion:276 Resp: 693

Ion Ratio Lower Upper

276 100

277 33.2 19.6 29.4

138 48.3 13.8 20.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/13/2021

Supervised By :Jagrut Upadhyay 12/13/2021

