

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
 Data File : BN017944.D
 Acq On : 12 Dec 2021 17:17
 Operator : CG/JU
 Sample : M4988-05
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE104D3-20211207

Quant Time: Dec 13 00:40:52 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	7.706	152	29431	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	115411	0.400	ng	0.00
13) Acenaphthene-d10	14.335	164	79353	0.400	ng	0.00
19) Phenanthrene-d10	17.080	188	155152	0.400	ng	#-0.01
29) Chrysene-d12	21.282	240	113879	0.400	ng	#-0.01
35) Perylene-d12	23.586	264	88097	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.336	112	8034	0.132	ng	0.00
5) Phenol-d6	6.903	99	4338	0.072	ng	0.00
8) Nitrobenzene-d5	8.846	82	20825m	0.276	ng	-0.01
11) 2-Methylnaphthalene-d10	12.085	152	49782	0.245	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	3809	0.421	ng	0.00
15) 2-Fluorobiphenyl	12.964	172	81574	0.292	ng	0.00
27) Fluoranthene-d10	19.124	212	157156	0.312	ng	0.00
31) Terphenyl-d14	19.730	244	125051	0.445	ng	0.00
Target Compounds						
9) Naphthalene	10.545	128	9925	0.035	ng	# 95
25) Phenanthrene	17.129	178	8211m	0.021	ng	
32) Benzo(a)anthracene	21.272	228	20059	0.105	ng	# 88
33) Chrysene	21.325	228	21670	0.058	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.208	149	1168689	9.559	ng	98
36) Indeno(1,2,3-cd)pyrene	25.965	276	7547m	0.129	ng	
37) Benzo(b)fluoranthene	22.894	252	16523	0.057	ng	# 1
38) Benzo(k)fluoranthene	22.935	252	14263	0.050	ng	# 1
39) Benzo(a)pyrene	23.486	252	14161	0.055	ng	# 1
40) Dibenzo(a,h)anthracene	25.989	278	5258m	0.142	ng	
41) Benzo(g,h,i)perylene	26.680	276	7816	0.056	ng	# 66

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

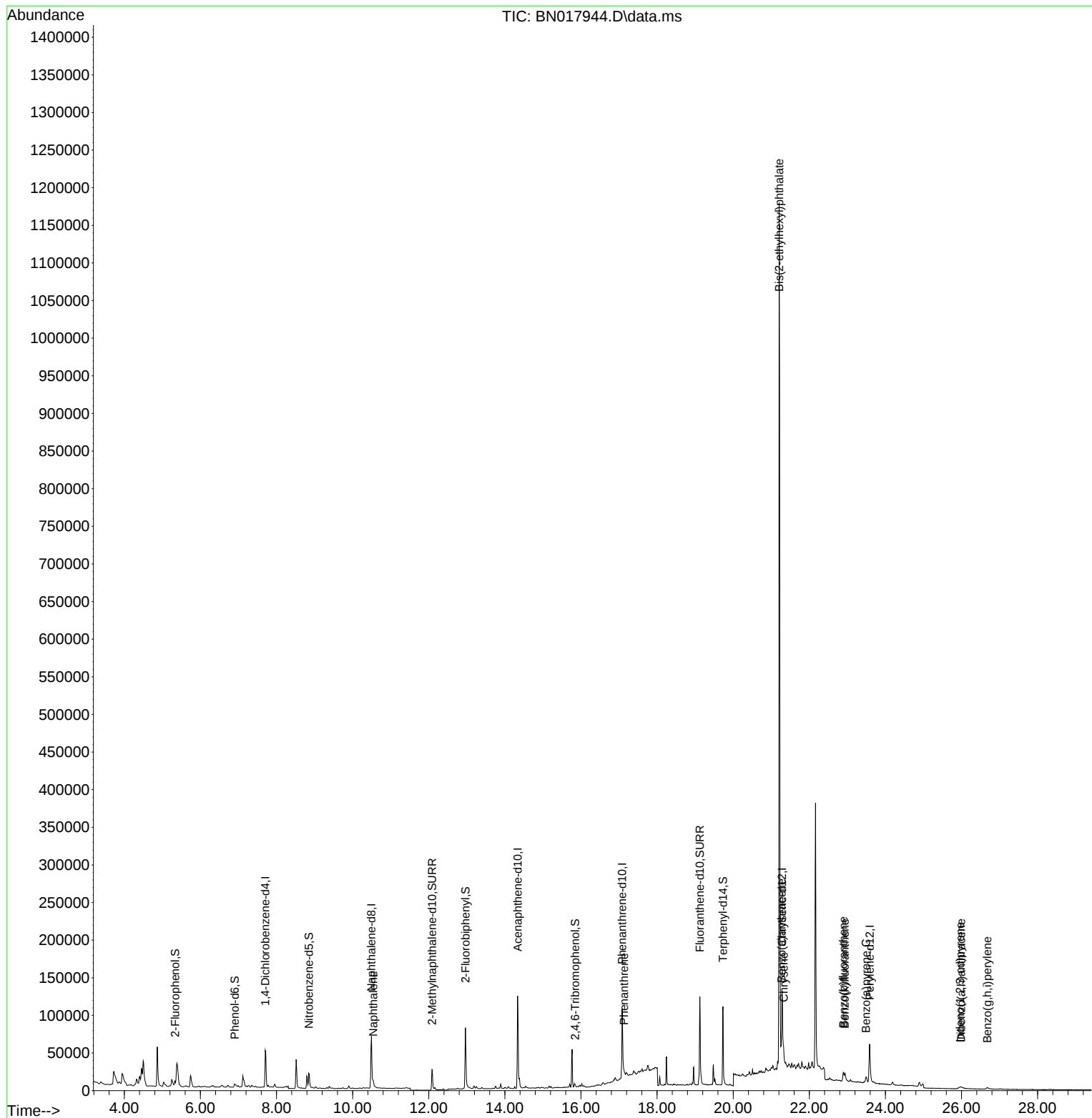
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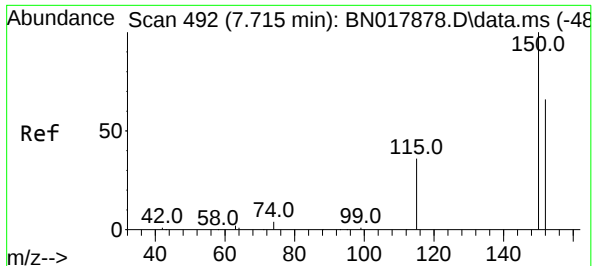
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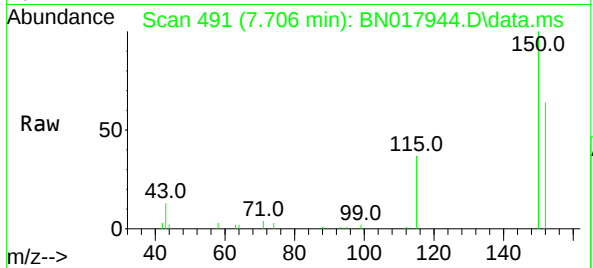
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Supervised By : Jagrut Upadhyay 12/13/2021





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.706 min Scan# 491
Delta R.T. -0.009 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

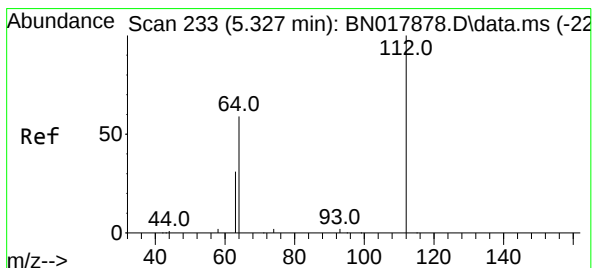
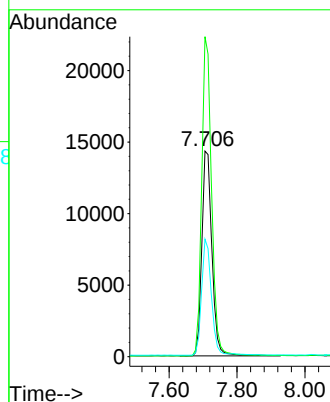
Instrument :
BNA_N
ClientSampleId :
RE104D3-20211207



Tgt Ion:152 Resp: 2943
Ion Ratio Lower Upper
152 100
150 155.6 121.9 182.9
115 57.2 44.1 66.1

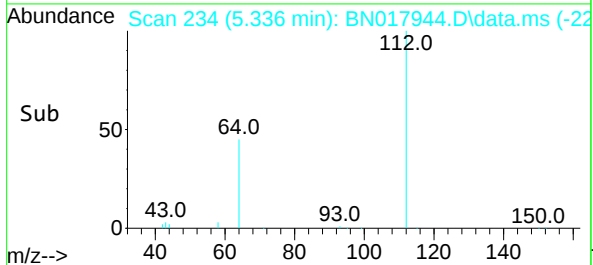
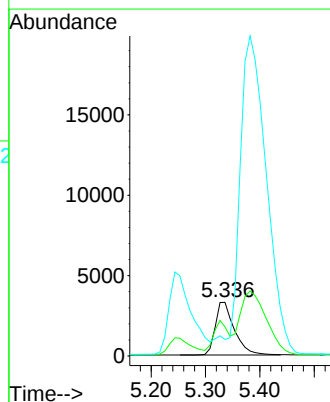
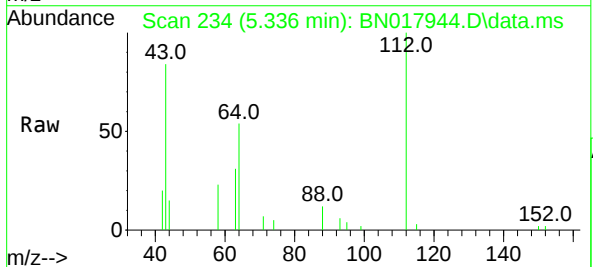
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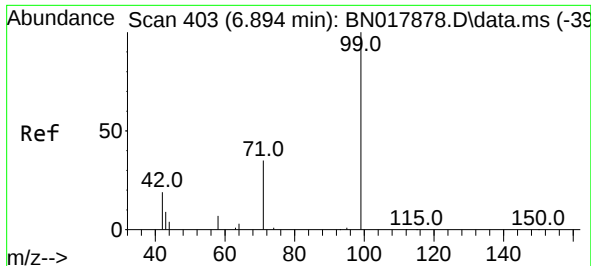
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#4
2-Fluorophenol
Concen: 0.132 ng
RT: 5.336 min Scan# 234
Delta R.T. 0.009 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

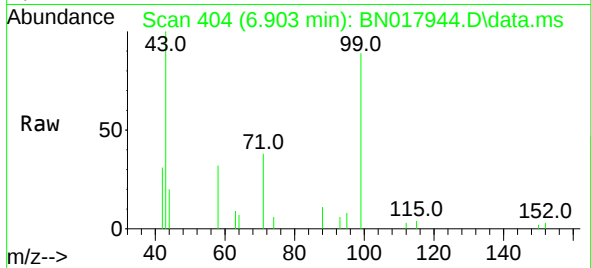
Tgt Ion:112 Resp: 8034
Ion Ratio Lower Upper
112 100
64 39.7 49.0 73.4#
63 0.0 26.2 39.2#





#5
Phenol-d6
Concen: 0.072 ng
RT: 6.903 min Scan# 403
Delta R.T. 0.009 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

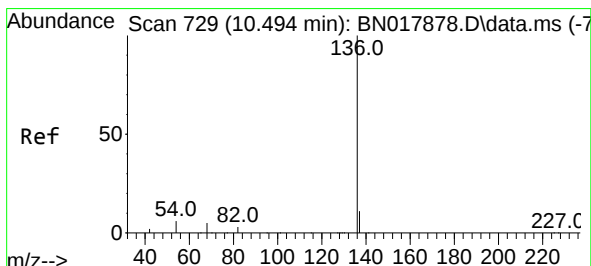
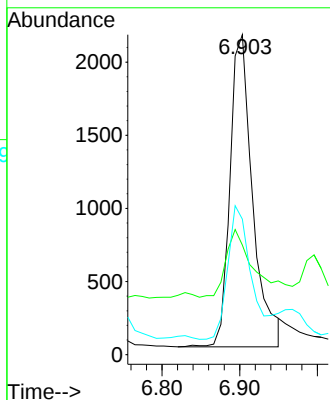
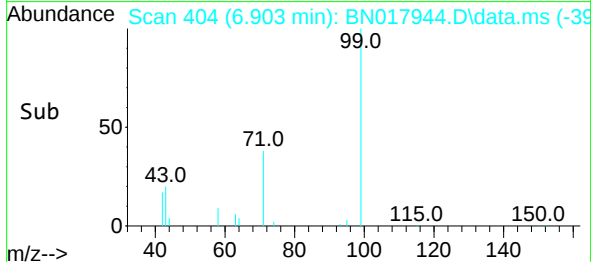
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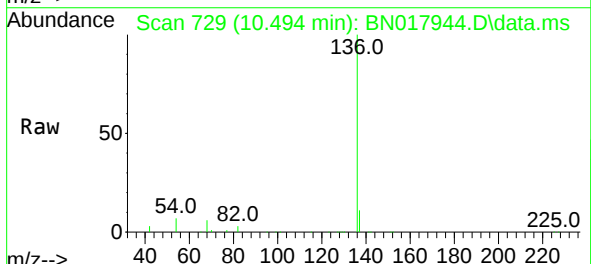
Tgt Ion: 99 Resp: 4338
Ion Ratio Lower Upper
99 100
42 24.2 17.0 25.4
71 44.4 28.0 42.0

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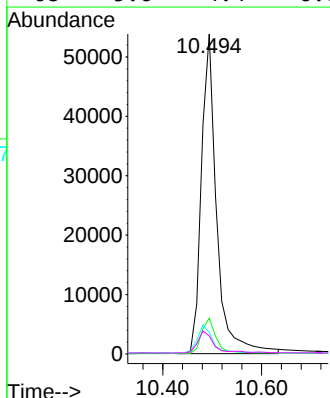
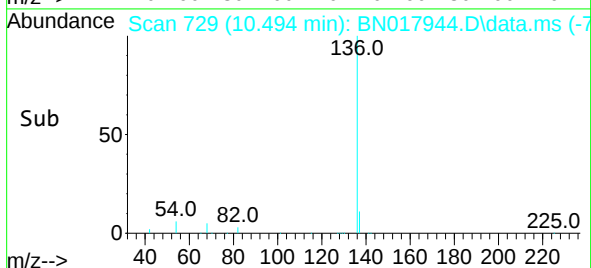
Reviewed By :Christian Giraldo 12/13/2021
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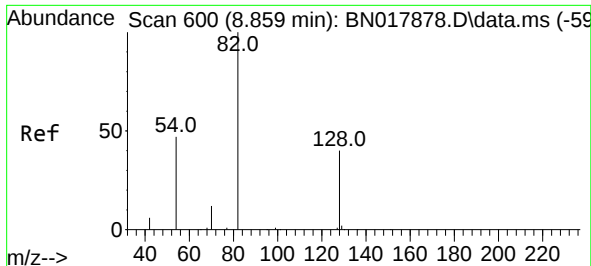


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 729
Delta R.T. 0.000 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17



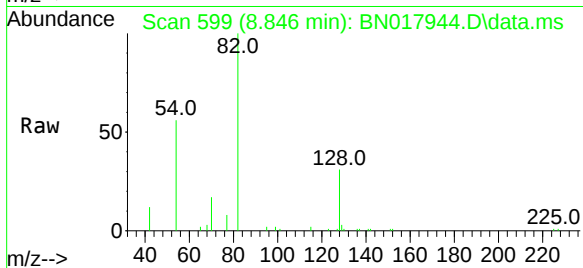
Tgt Ion:136 Resp: 115411
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 6.7 5.1 7.7
68 5.6 4.4 6.6





#8
Nitrobenzene-d5
Concen: 0.276 ng m
RT: 8.846 min Scan# 599
Delta R.T. -0.013 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

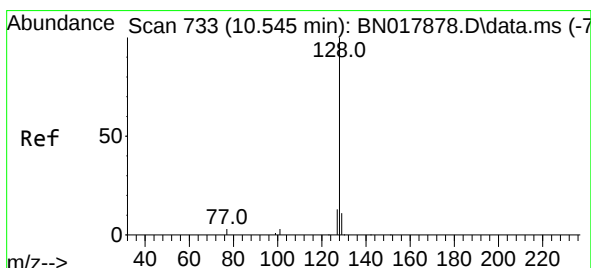
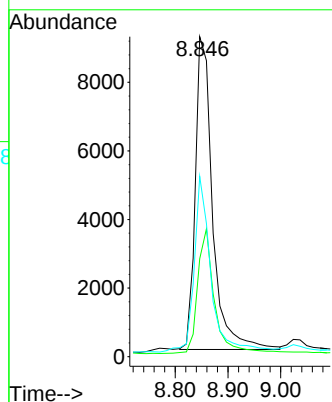
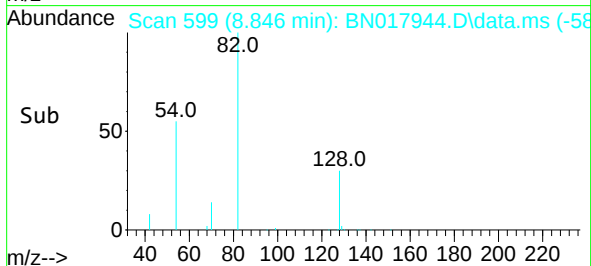
Instrument :
BNA_N
ClientSampleId :
RE104D3-20211207



Tgt Ion: 82 Resp: 20825
Ion Ratio Lower Upper
82 100
128 30.6 32.2 48.4
54 56.4 37.6 56.4

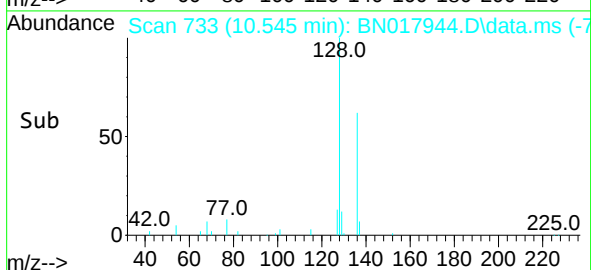
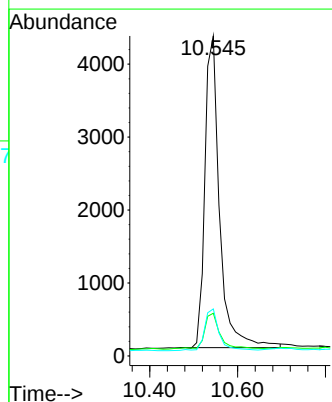
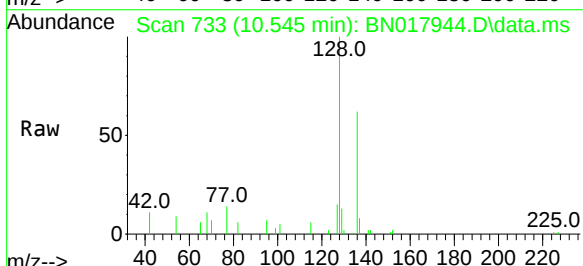
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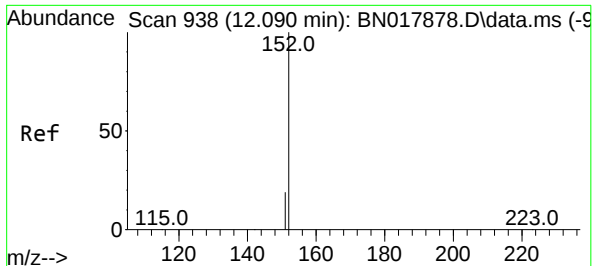
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#9
Naphthalene
Concen: 0.035 ng
RT: 10.545 min Scan# 733
Delta R.T. -0.000 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

Tgt Ion:128 Resp: 9925
Ion Ratio Lower Upper
128 100
129 13.3 8.8 13.2
127 14.7 10.5 15.7





#11

2-Methylnaphthalene-d10

Concen: 0.245 ng

RT: 12.085 min Scan# 91

Delta R.T. -0.004 min

Lab File: BN017944.D

Acq: 12 Dec 2021 17:17

Instrument :

BNA_N

ClientSampleId :

RE104D3-20211207

Tgt Ion:152 Resp: 4978

Ion Ratio Lower Upper

152 100

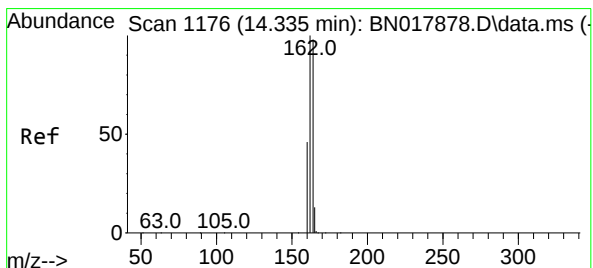
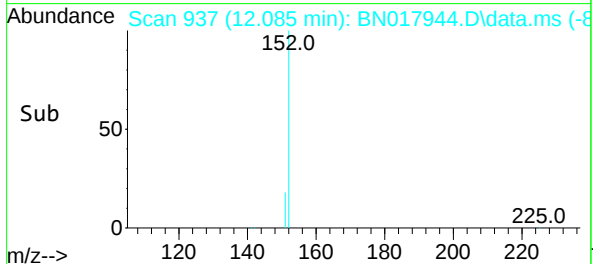
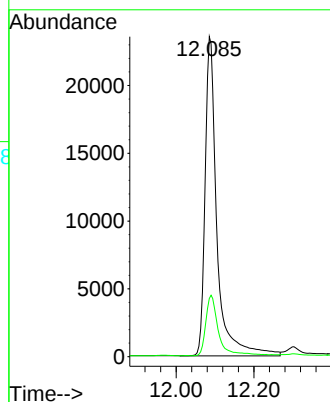
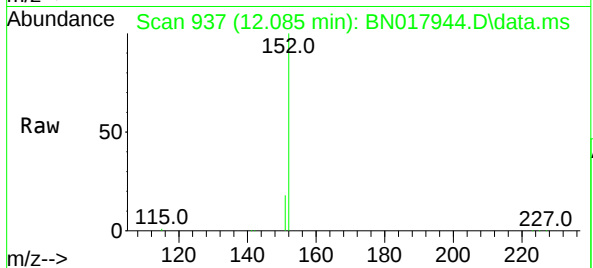
151 20.4 16.4 24.6

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#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.335 min Scan# 1176

Delta R.T. 0.000 min

Lab File: BN017944.D

Acq: 12 Dec 2021 17:17

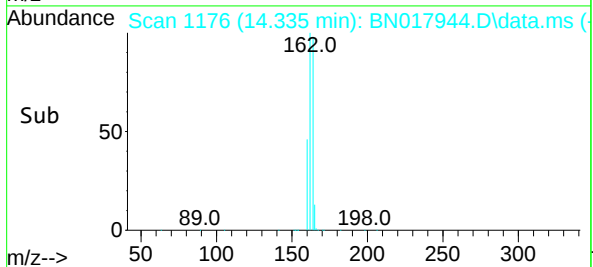
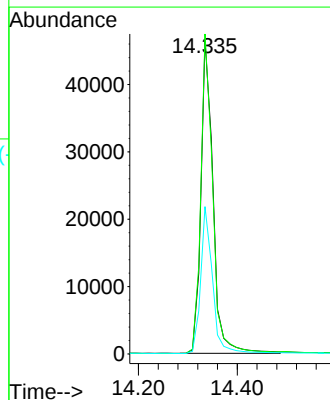
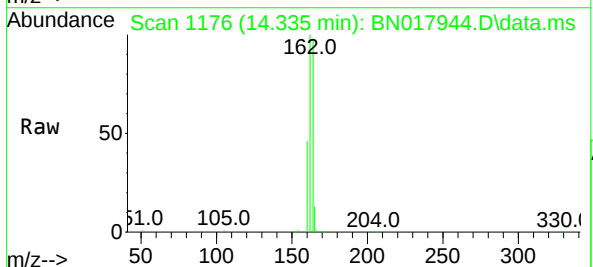
Tgt Ion:164 Resp: 79353

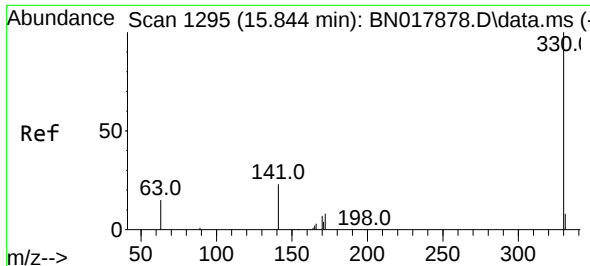
Ion Ratio Lower Upper

164 100

162 101.8 82.1 123.1

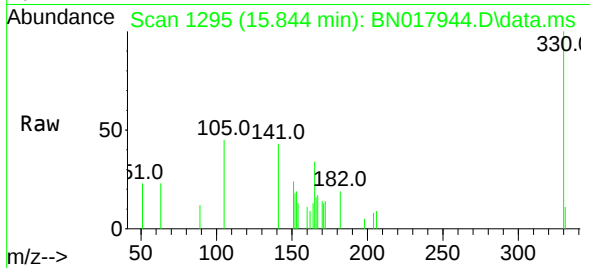
160 46.9 38.2 57.2





#14
2,4,6-Tribromophenol
Concen: 0.421 ng
RT: 15.844 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

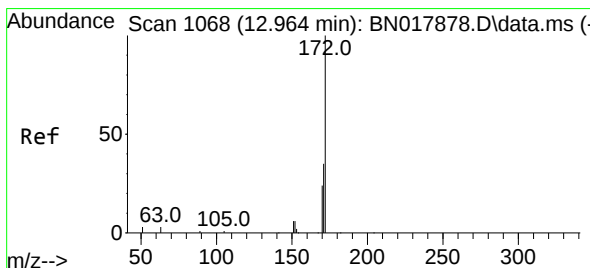
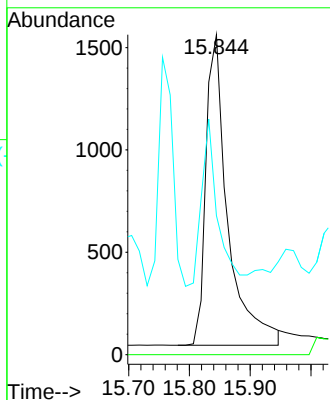
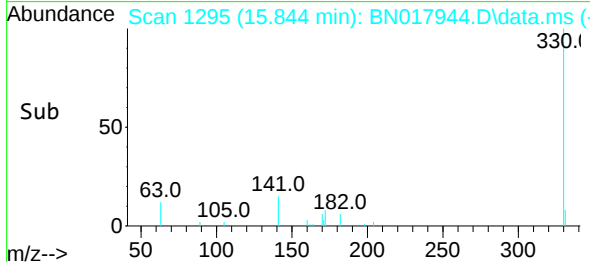
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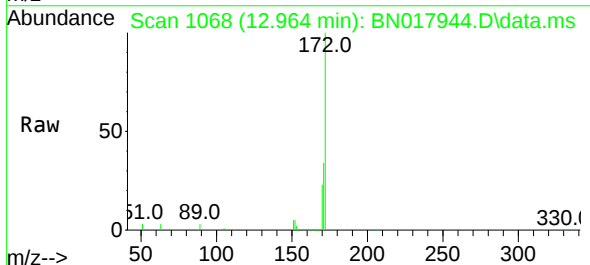
Tgt Ion:330 Resp: 3809
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 40.2 19.7 29.5

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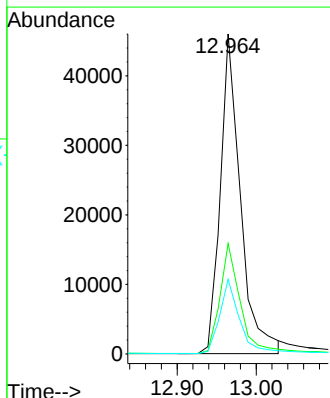
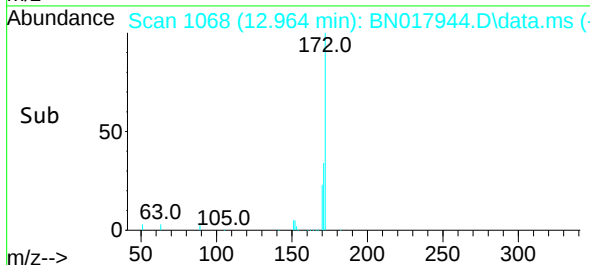
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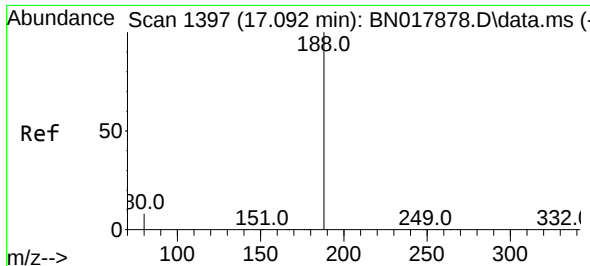


#15
2-Fluorobiphenyl
Concen: 0.292 ng
RT: 12.964 min Scan# 1068
Delta R.T. 0.000 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17



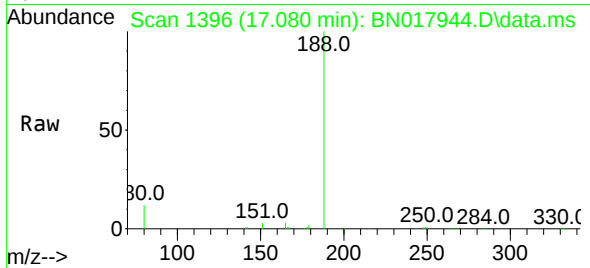
Tgt Ion:172 Resp: 81574
Ion Ratio Lower Upper
172 100
171 34.5 28.3 42.5
170 23.3 19.1 28.7





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.080 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

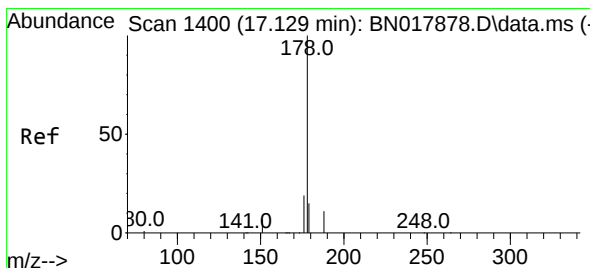
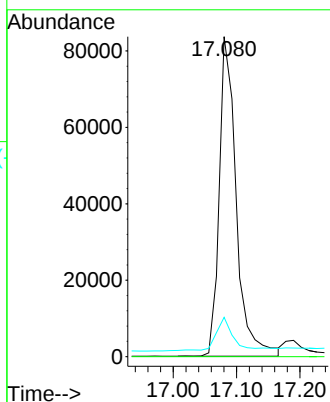
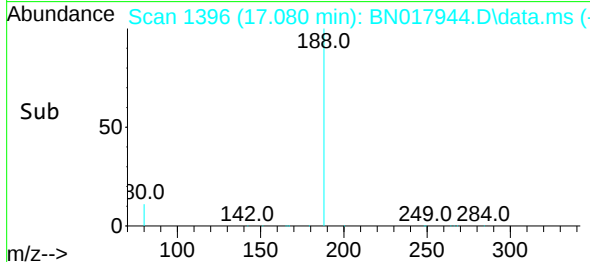
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Tgt Ion:188 Resp: 155152
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.3 6.2 9.2

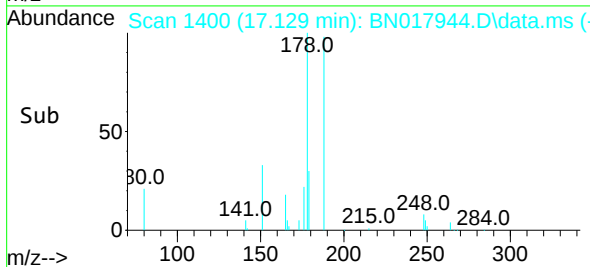
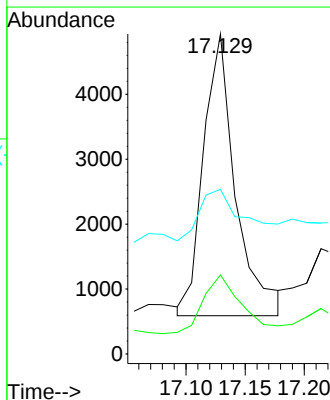
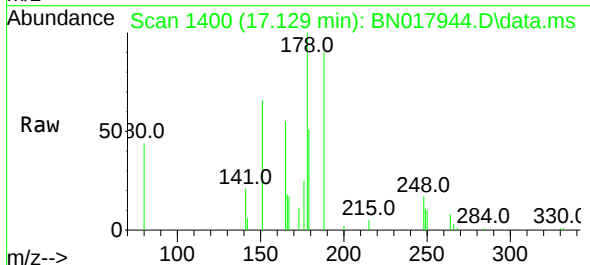
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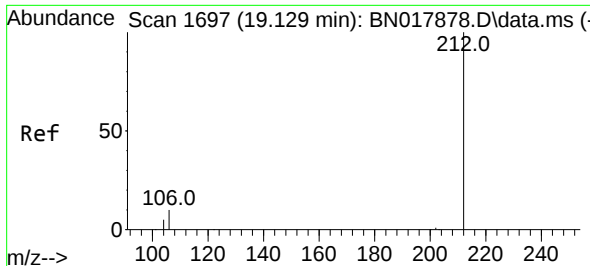
Reviewed By :Christian Giraldo 12/13/2021
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#25
Phenanthrene
Concen: 0.021 ng m
RT: 17.129 min Scan# 1400
Delta R.T. 0.000 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

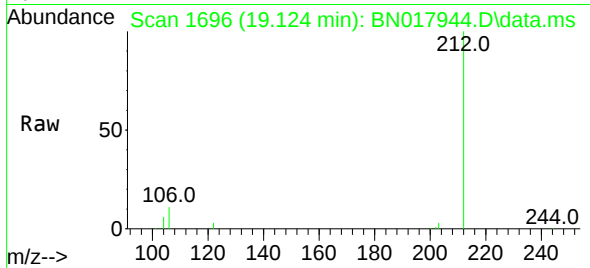
Tgt Ion:178 Resp: 8211
Ion Ratio Lower Upper
178 100
176 25.3 15.0 22.6#
179 64.0 12.4 18.6#





#27
Fluoranthene-d10
Concen: 0.312 ng
RT: 19.124 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

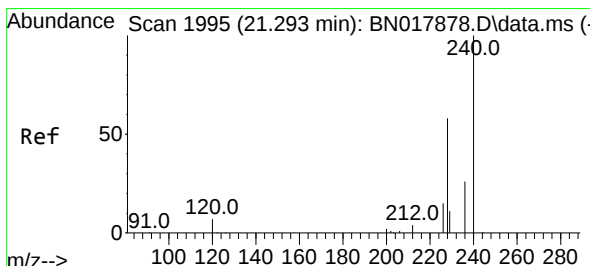
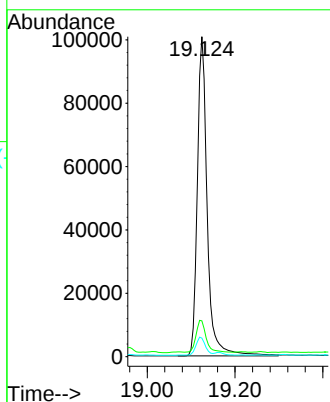
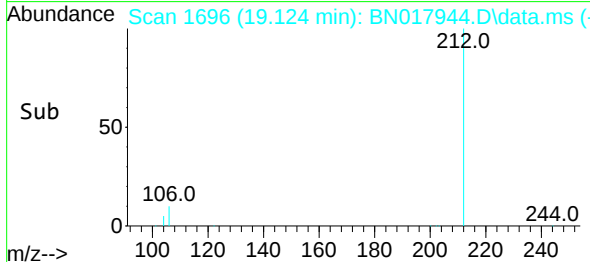
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Tgt Ion:212 Resp: 157150
Ion Ratio Lower Upper
212 100
106 10.2 8.3 12.5
104 5.5 4.6 6.8

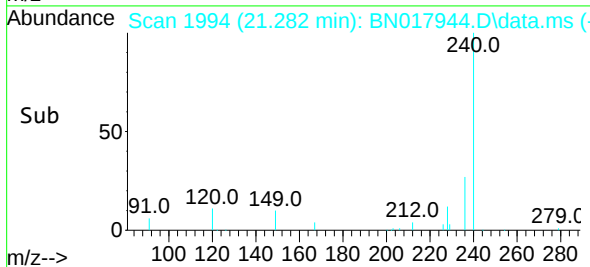
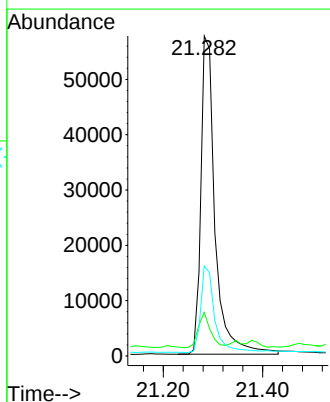
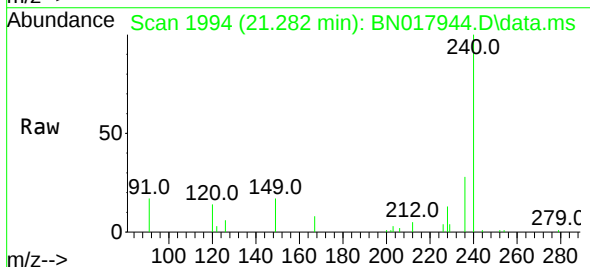
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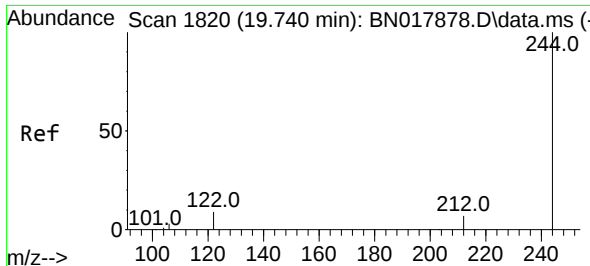
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.282 min Scan# 1994
Delta R.T. -0.011 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

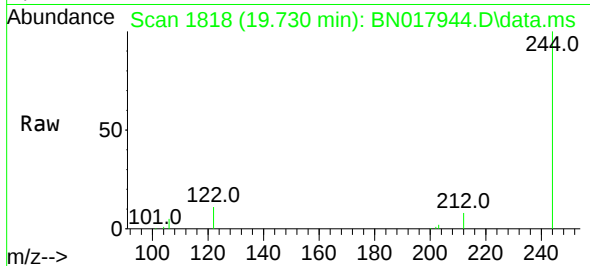
Tgt Ion:240 Resp: 113879
Ion Ratio Lower Upper
240 100
120 13.6 5.8 8.8#
236 28.2 21.0 31.6





#31
 Terphenyl-d14
 Concen: 0.445 ng
 RT: 19.730 min Scan# 11
 Delta R.T. -0.010 min
 Lab File: BN017944.D
 Acq: 12 Dec 2021 17:17

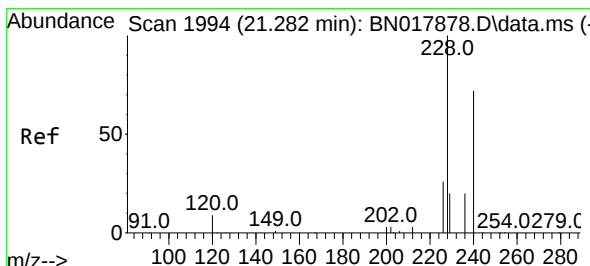
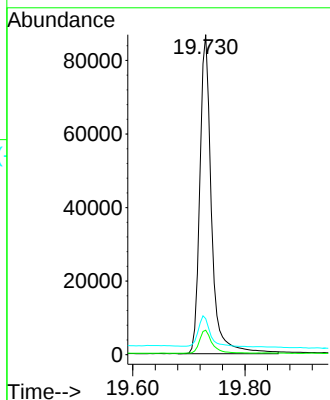
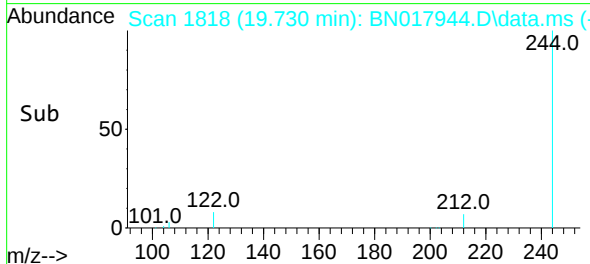
Instrument :
 BNA_N
 ClientSampleId :
 RE104D3-20211207



Tgt Ion:244 Resp: 12505
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 11.2 7.5 11.3

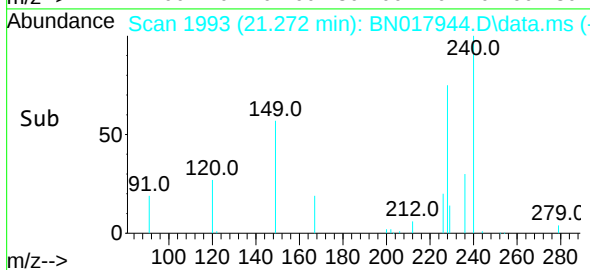
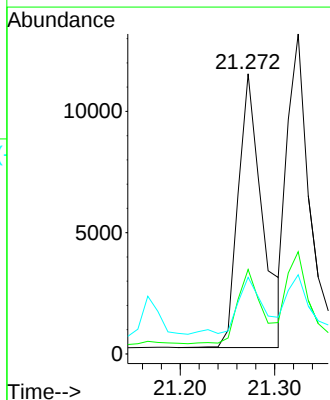
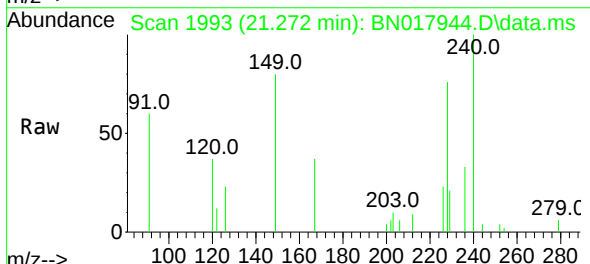
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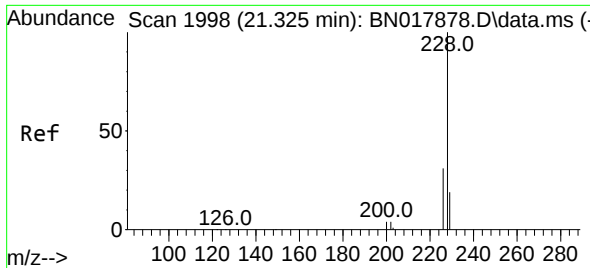
Reviewed By :Christian Giraldo 12/13/2021
 Supervised By :Jagrut Upadhyay 12/13/2021



#32
 Benzo(a)anthracene
 Concen: 0.105 ng
 RT: 21.272 min Scan# 1993
 Delta R.T. -0.010 min
 Lab File: BN017944.D
 Acq: 12 Dec 2021 17:17

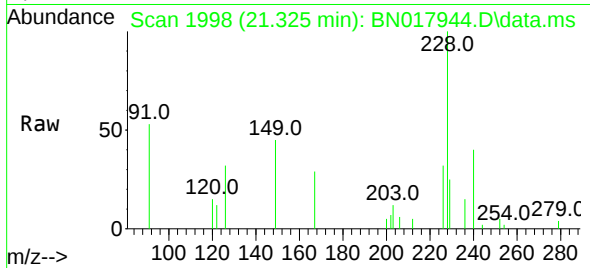
Tgt Ion:228 Resp: 20059
 Ion Ratio Lower Upper
 228 100
 226 30.2 21.0 31.4
 229 27.4 15.8 23.8





#33
Chrysene
Concen: 0.058 ng
RT: 21.325 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

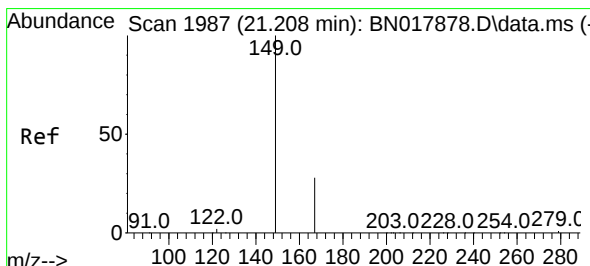
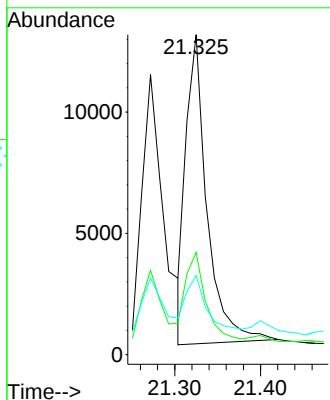
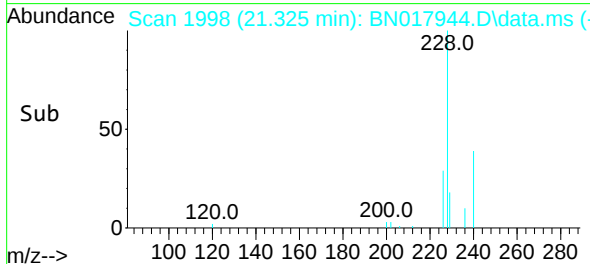
Instrument :
BNA_N
ClientSampleId :
RE104D3-20211207



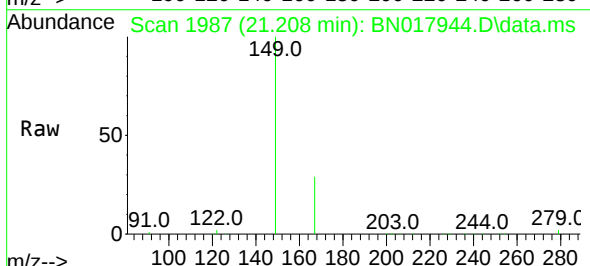
Tgt Ion:228 Resp: 21670
Ion Ratio Lower Upper
228 100
226 31.9 23.8 35.8
229 24.8 15.6 23.4

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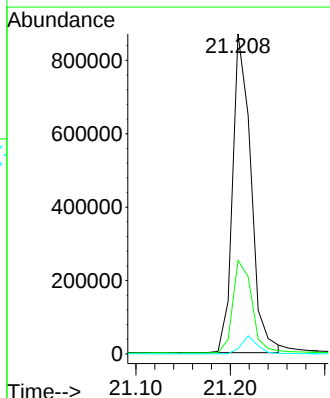
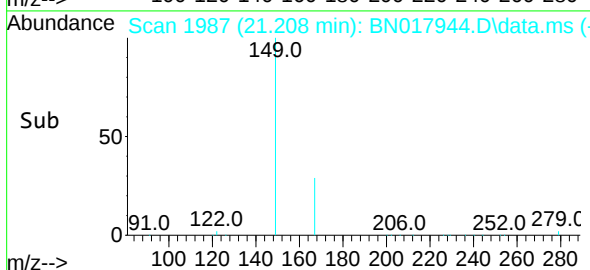
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021

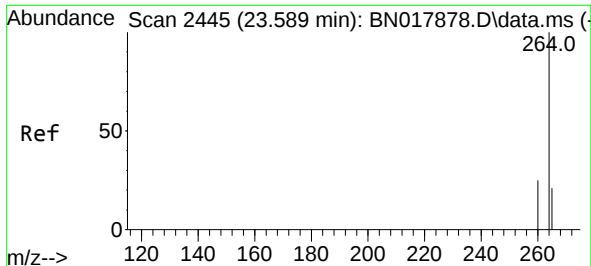


#34
Bis(2-ethylhexyl)phthalate
Concen: 9.559 ng
RT: 21.208 min Scan# 1987
Delta R.T. 0.000 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17



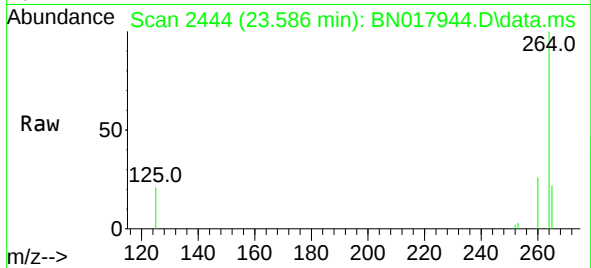
Tgt Ion:149 Resp: 1168689
Ion Ratio Lower Upper
149 100
167 30.2 23.4 35.0
279 5.0 3.6 5.4





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.586 min Scan# 2445
Delta R.T. -0.003 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

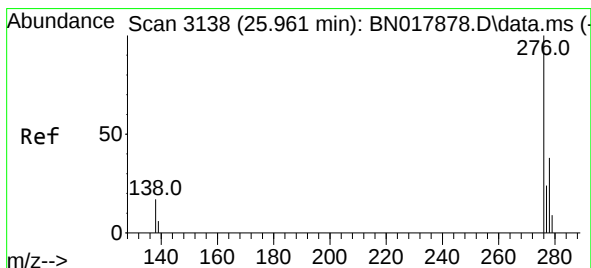
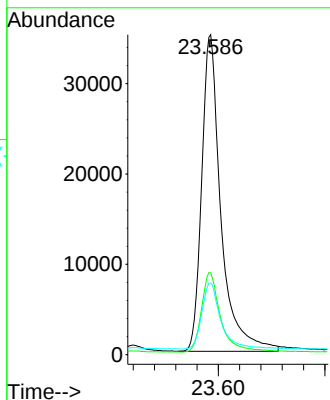
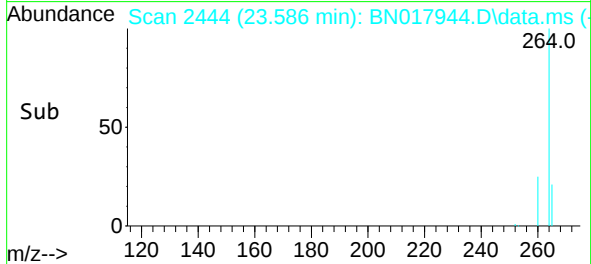
Instrument :
BNA_N
ClientSampleId :
RE104D3-20211207



Tgt Ion:264 Resp: 8809
Ion Ratio Lower Upper
264 100
260 25.6 20.2 30.4
265 22.3 18.2 27.4

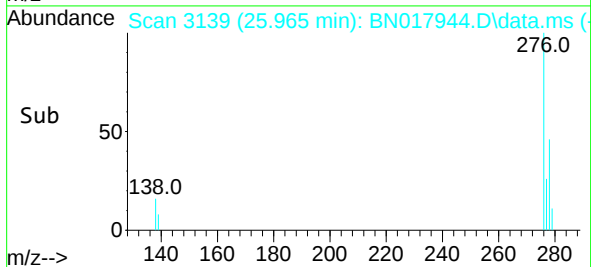
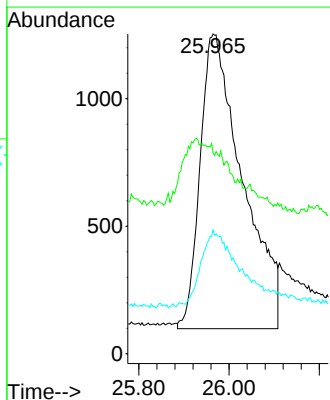
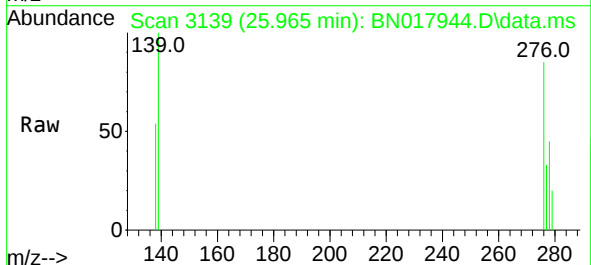
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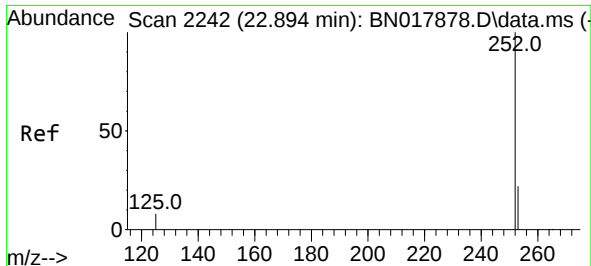
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.129 ng m
RT: 25.965 min Scan# 3139
Delta R.T. 0.004 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

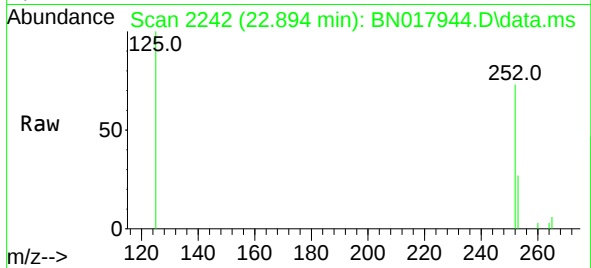
Tgt Ion:276 Resp: 7547
Ion Ratio Lower Upper
276 100
138 0.0 15.2 22.8#
277 20.4 19.8 29.6





#37
Benzo(b)fluoranthene
Concen: 0.057 ng
RT: 22.894 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

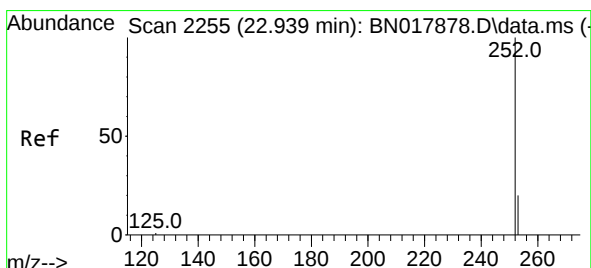
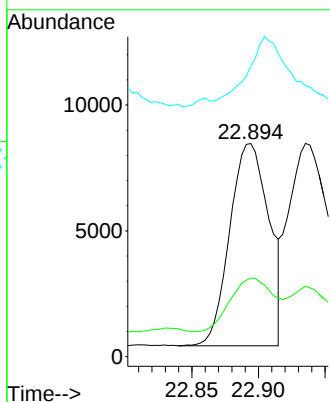
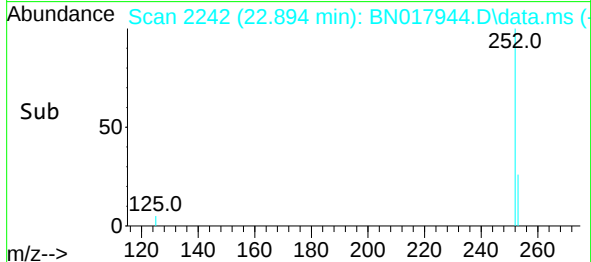
Instrument :
BNA_N
ClientSampleId :
RE104D3-20211207



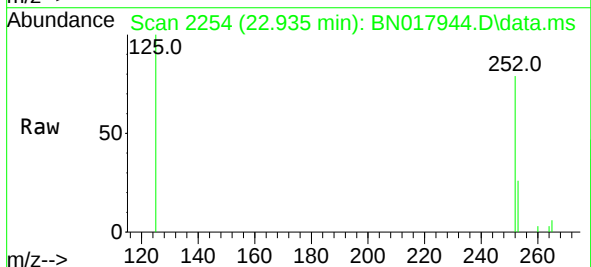
Tgt Ion:252 Resp: 1652
Ion Ratio Lower Upper
252 100
253 36.9 17.9 26.9#
125 136.2 6.8 10.2#

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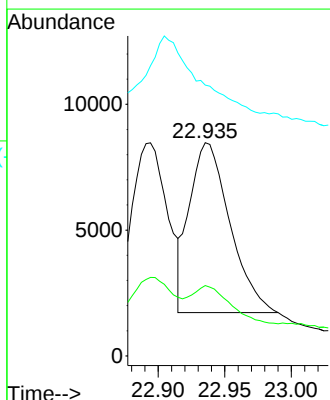
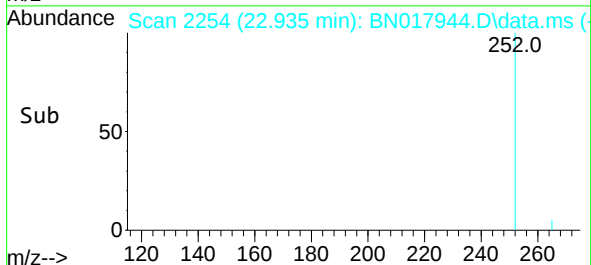
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021

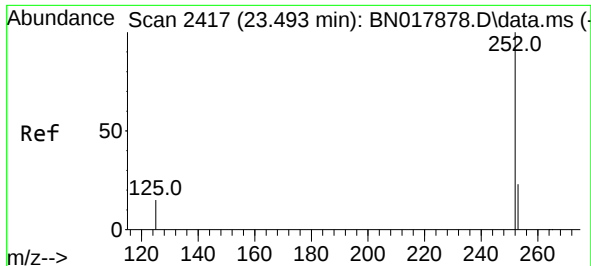


#38
Benzo(k)fluoranthene
Concen: 0.050 ng
RT: 22.935 min Scan# 2254
Delta R.T. -0.003 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17



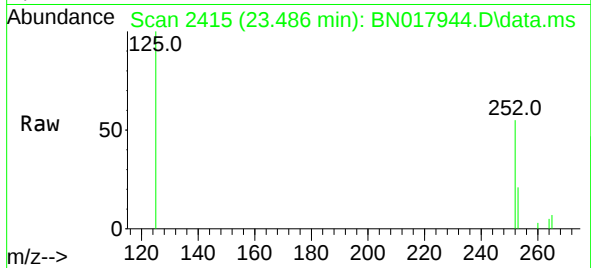
Tgt Ion:252 Resp: 14263
Ion Ratio Lower Upper
252 100
253 33.0 17.8 26.6#
125 127.1 6.1 9.1#





#39
Benzo(a)pyrene
Concen: 0.055 ng
RT: 23.486 min Scan# 2417
Delta R.T. -0.007 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

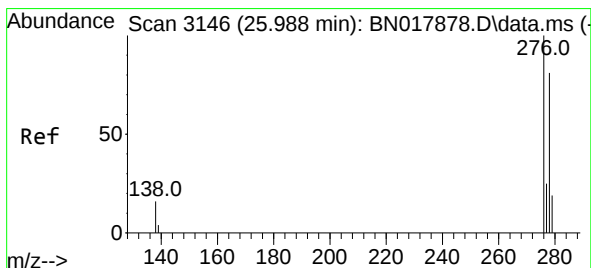
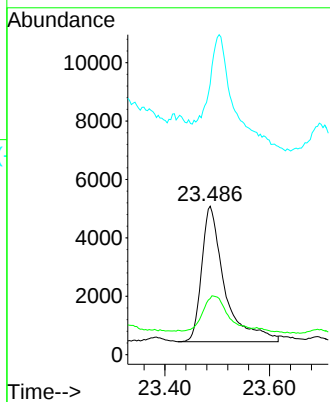
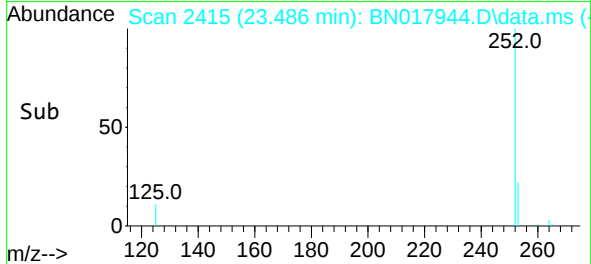
Instrument :
BNA_N
ClientSampleId :
RE104D3-20211207



Tgt Ion:252 Resp: 1416
Ion Ratio Lower Upper
252 100
253 37.8 18.8 28.2
125 182.3 12.2 18.2

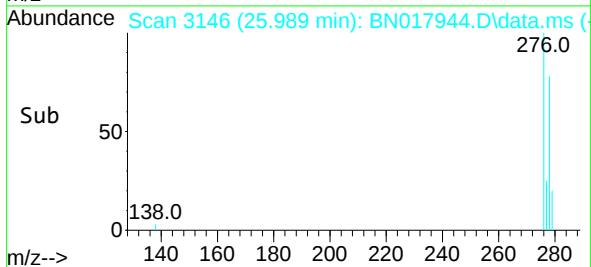
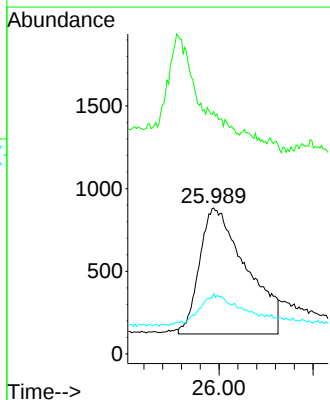
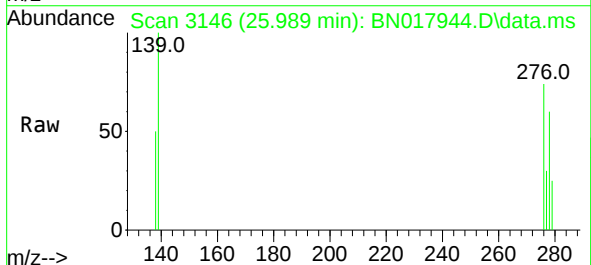
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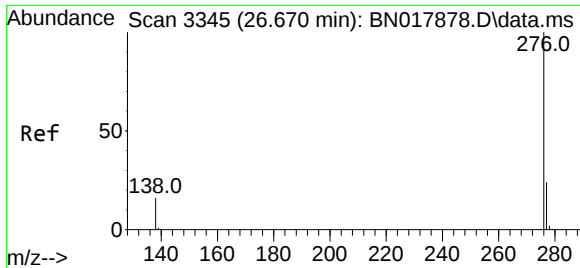
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#40
Dibenzo(a,h)anthracene
Concen: 0.142 ng m
RT: 25.989 min Scan# 3146
Delta R.T. 0.001 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

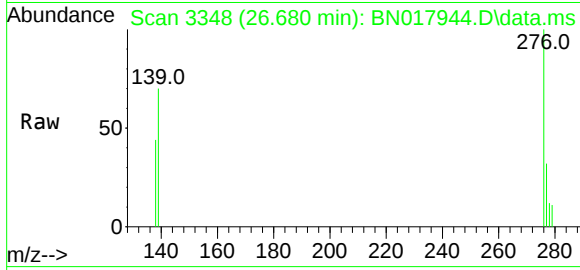
Tgt Ion:278 Resp: 5258
Ion Ratio Lower Upper
278 100
139 166.0 12.0 18.0#
279 41.3 20.8 31.2#





#41
Benzo(g,h,i)perylene
Concen: 0.056 ng
RT: 26.680 min Scan# 31
Delta R.T. 0.010 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

Instrument :
BNA_N
ClientSampleId :
RE104D3-20211207



Tgt Ion:276 Resp: 7810
Ion Ratio Lower Upper
276 100
277 32.3 19.6 29.4
138 43.9 13.8 20.8

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

