

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
 Data File : BN017953.D
 Acq On : 13 Dec 2021 00:30
 Operator : CG/JU
 Sample : M4988-08
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE104D1-20211207

Quant Time: Dec 13 01:46:10 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	33102	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	131253	0.400	ng	0.00
13) Acenaphthene-d10	14.334	164	90594	0.400	ng	0.00
19) Phenanthrene-d10	17.080	188	182920	0.400	ng	#-0.01
29) Chrysene-d12	21.282	240	127723	0.400	ng	#-0.01
35) Perylene-d12	23.582	264	97442	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.336	112	7868	0.115	ng	0.00
5) Phenol-d6	6.903	99	4147	0.061	ng	0.00
8) Nitrobenzene-d5	8.846	82	23244	0.271	ng	-0.01
11) 2-Methylnaphthalene-d10	12.085	152	57207	0.248	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	3948	0.412	ng	0.00
15) 2-Fluorobiphenyl	12.964	172	95242	0.299	ng	0.00
27) Fluoranthene-d10	19.124	212	179796	0.303	ng	0.00
31) Terphenyl-d14	19.730	244	165202	0.525	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.270	88	35037m	3.488	ng	
9) Naphthalene	10.545	128	9369	0.029	ng	# 96
25) Phenanthrene	17.129	178	15030m	0.032	ng	
32) Benzo(a)anthracene	21.272	228	21873	0.103	ng	# 89
33) Chrysene	21.325	228	23984	0.057	ng	# 94
34) Bis(2-ethylhexyl)phtha...	21.208	149	1185025	8.642	ng	98
36) Indeno(1,2,3-cd)pyrene	25.954	276	8456m	0.130	ng	
37) Benzo(b)fluoranthene	22.887	252	18430	0.057	ng	# 1
38) Benzo(k)fluoranthene	22.935	252	15201	0.048	ng	# 1
39) Benzo(a)pyrene	23.483	252	15535	0.054	ng	# 1
40) Dibenzo(a,h)anthracene	25.985	278	5182m	0.138	ng	
41) Benzo(g,h,i)perylene	26.669	276	8465	0.055	ng	# 68

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

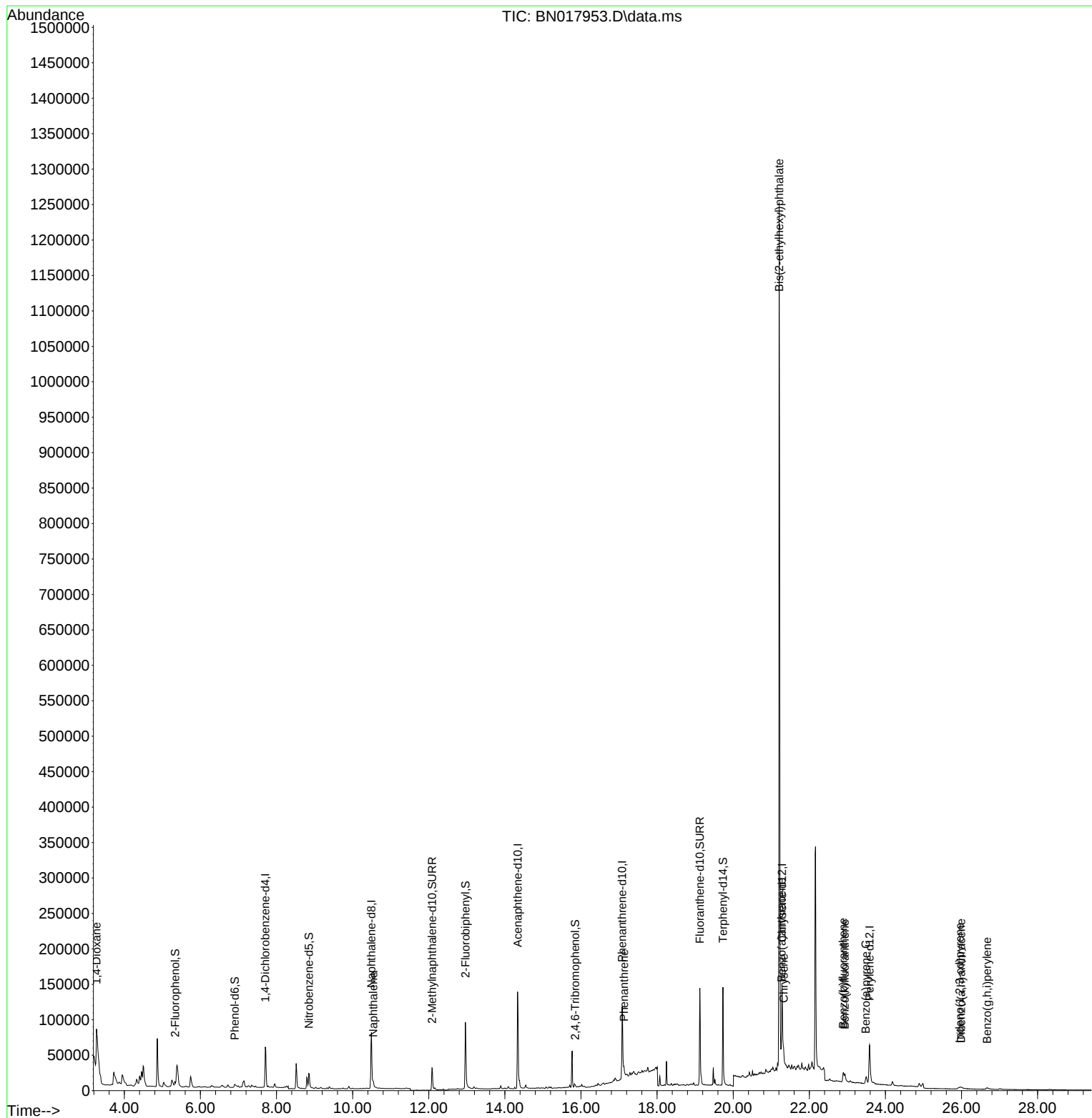
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Data File : BN017953.D
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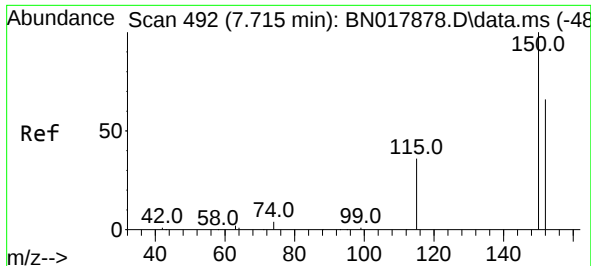
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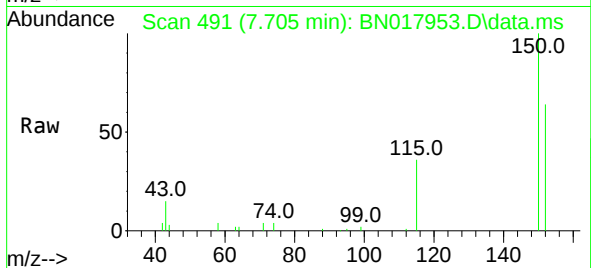
Reviewed By : Christian Giraldo 12/13/2021
Supervised By : Jagrut Upadhyay 12/13/2021





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.705 min Scan# 492
Delta R.T. -0.010 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

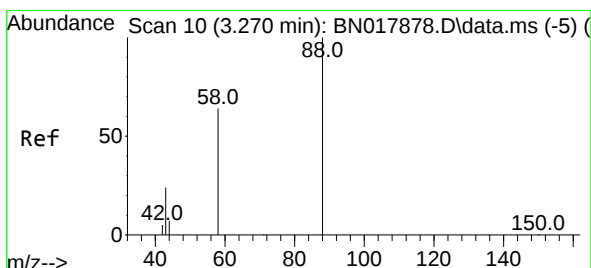
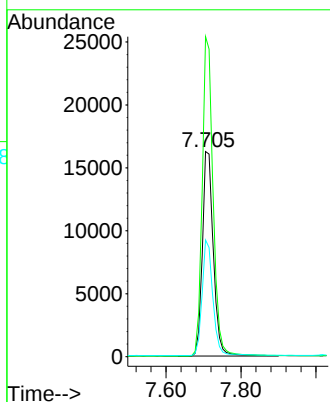
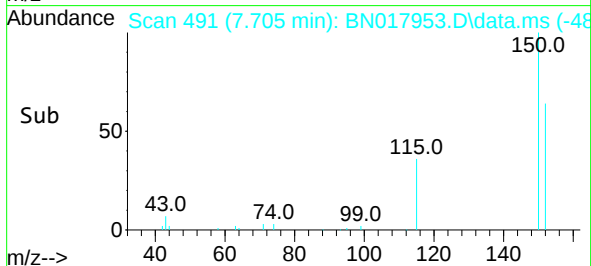
Instrument :
BNA_N
ClientSampleId :
RE104D1-20211207



Tgt Ion:152 Resp: 3310
Ion Ratio Lower Upper
152 100
150 156.0 121.9 182.9
115 56.8 44.1 66.1

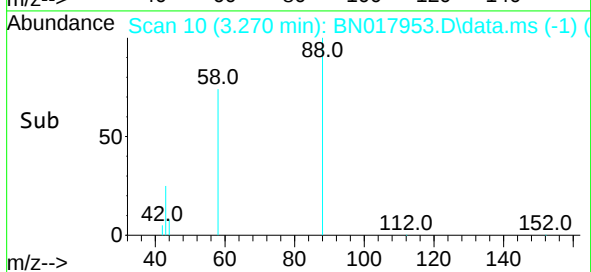
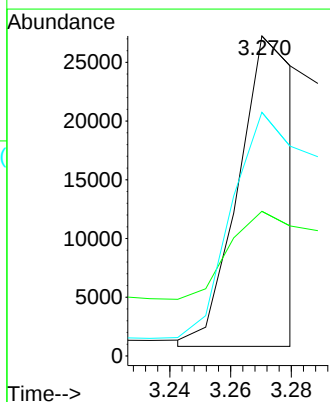
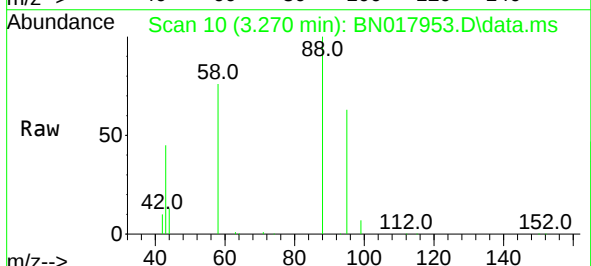
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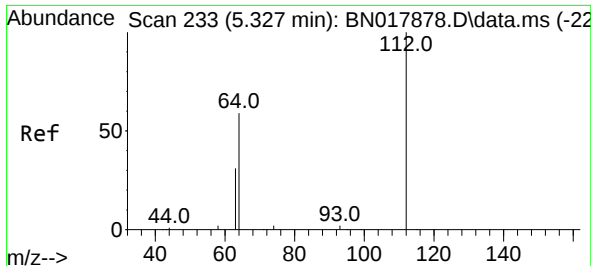
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#2
1,4-Dioxane
Concen: 3.488 ng m
RT: 3.270 min Scan# 10
Delta R.T. -0.000 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

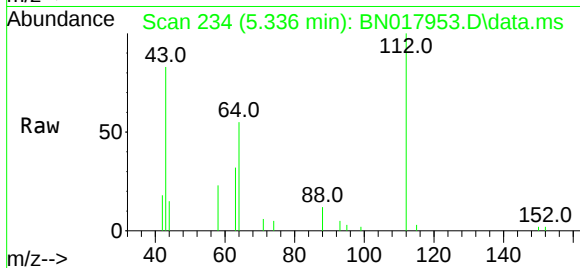
Tgt Ion: 88 Resp: 35037
Ion Ratio Lower Upper
88 100
43 47.7 28.0 42.0#
58 123.0 65.4 98.0#





#4
2-Fluorophenol
Concen: 0.115 ng
RT: 5.336 min Scan# 211
Delta R.T. 0.009 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

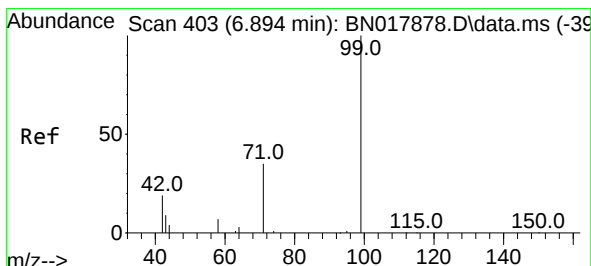
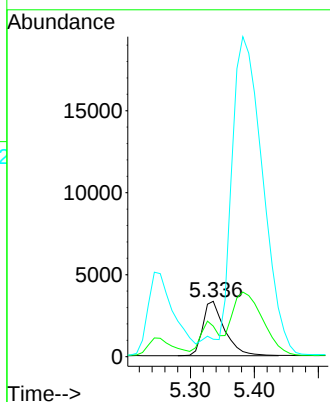
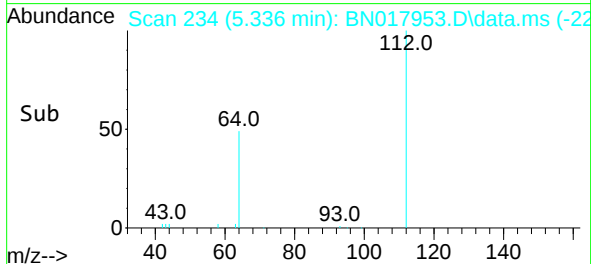
Instrument :
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Tgt Ion:112 Resp: 786
Ion Ratio Lower Upper
112 100
64 39.9 49.0 73.4#
63 0.0 26.2 39.2#

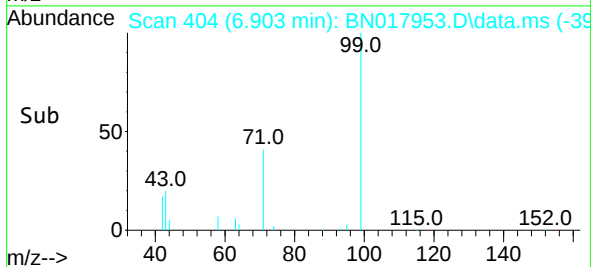
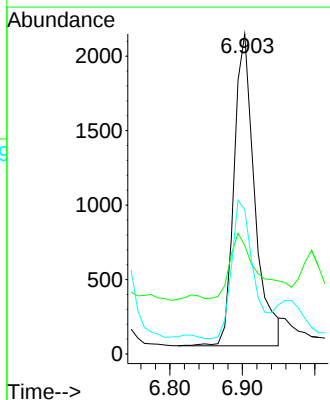
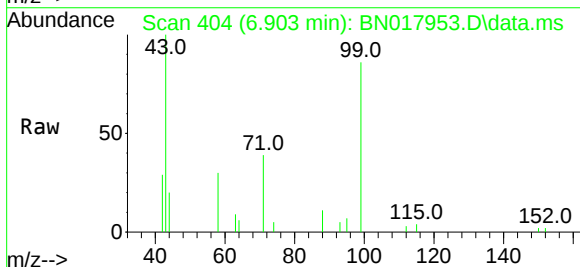
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#5
Phenol-d6
Concen: 0.061 ng
RT: 6.903 min Scan# 404
Delta R.T. 0.009 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

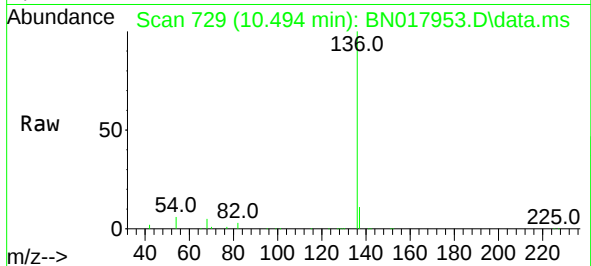
Tgt Ion: 99 Resp: 4147
Ion Ratio Lower Upper
99 100
42 26.2 17.0 25.4#
71 47.4 28.0 42.0#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 729
Delta R.T. -0.000 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

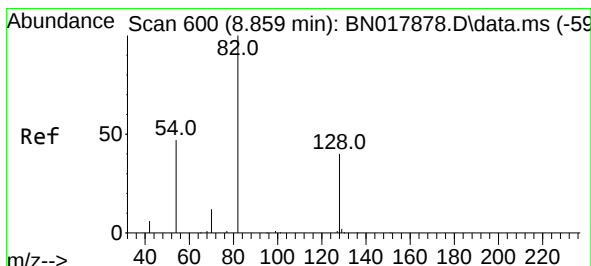
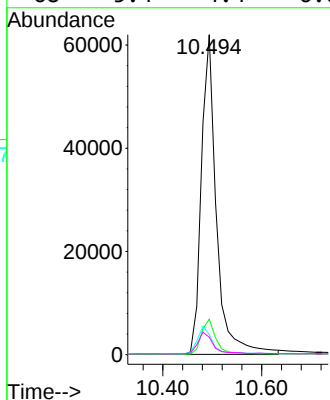
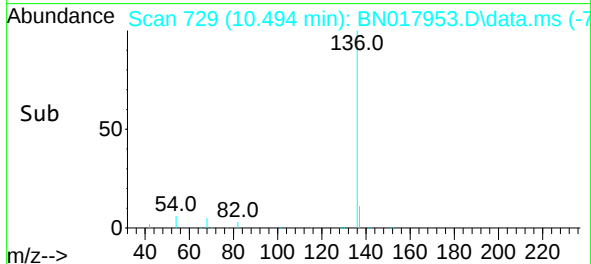
Instrument :
BNA_N
ClientSampleId :
RE104D1-20211207



Tgt Ion:136 Resp: 13125
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.4 5.1 7.7
68 5.4 4.4 6.6

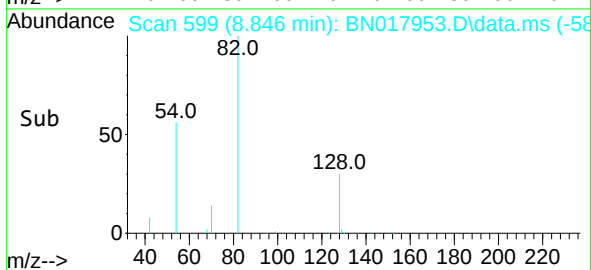
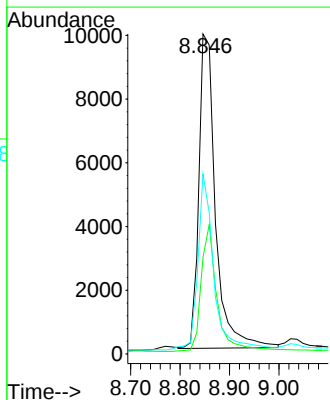
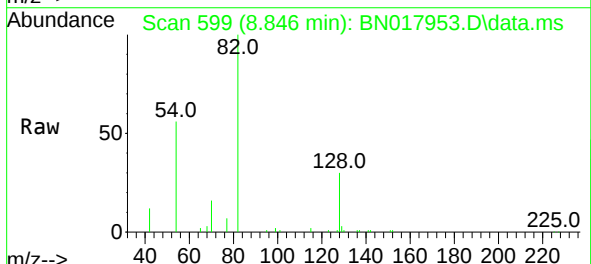
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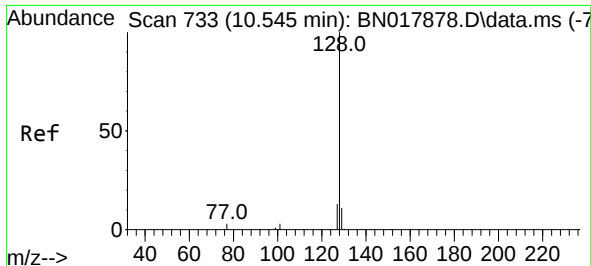
Reviewed By :Christian Giraldo 12/13/2021
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#8
Nitrobenzene-d5
Concen: 0.271 ng
RT: 8.846 min Scan# 599
Delta R.T. -0.013 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

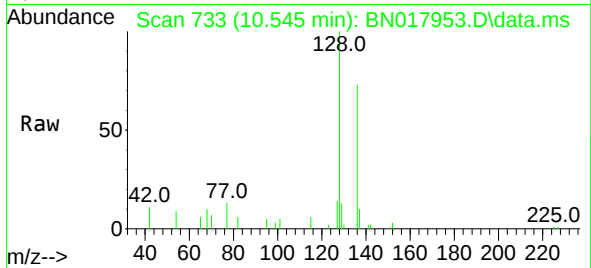
Tgt Ion: 82 Resp: 23244
Ion Ratio Lower Upper
82 100
128 30.2 32.2 48.4#
54 56.2 37.6 56.4





#9
Naphthalene
Concen: 0.029 ng
RT: 10.545 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

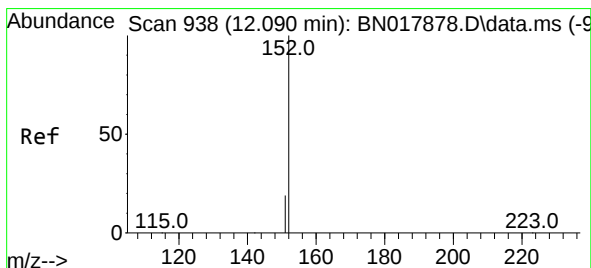
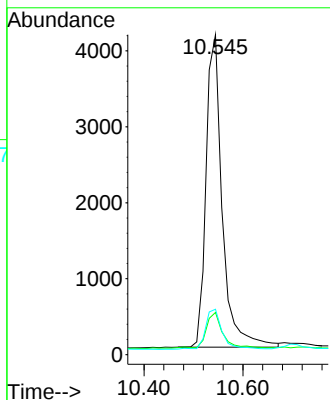
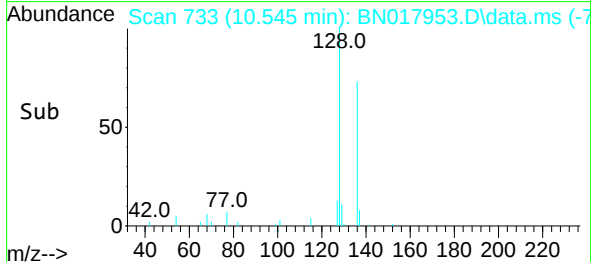
Instrument :
BNA_N
ClientSampleId :
RE104D1-20211207



Tgt Ion:128 Resp: 9369
Ion Ratio Lower Upper
128 100
129 13.2 8.8 13.25
127 14.2 10.5 15.7

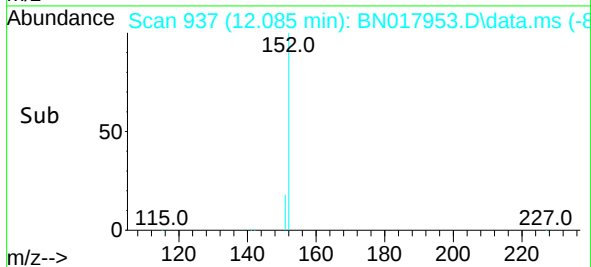
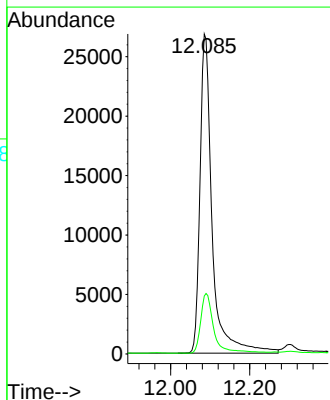
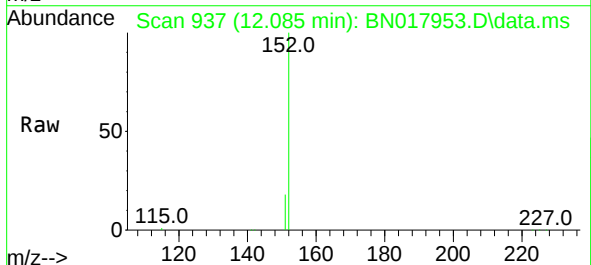
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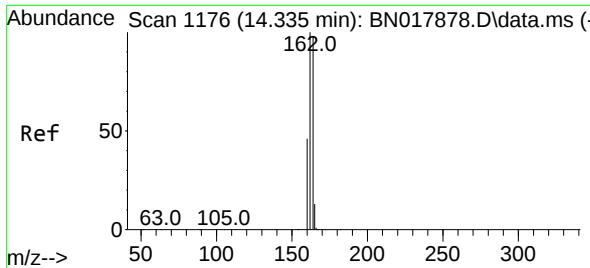
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#11
2-Methylnaphthalene-d10
Concen: 0.248 ng
RT: 12.085 min Scan# 937
Delta R.T. -0.005 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

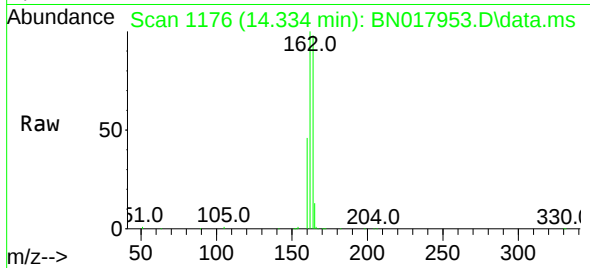
Tgt Ion:152 Resp: 57207
Ion Ratio Lower Upper
152 100
151 20.4 16.4 24.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

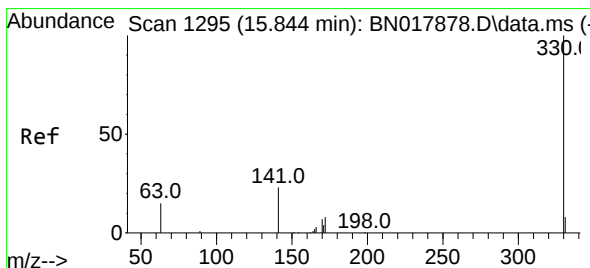
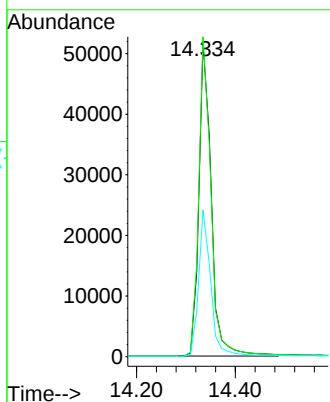
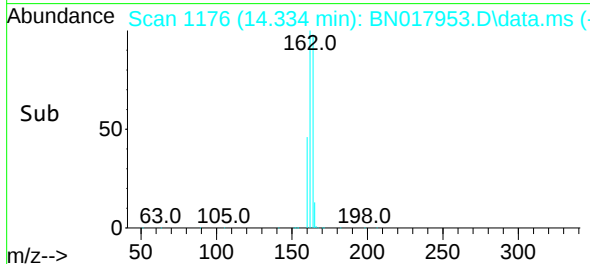
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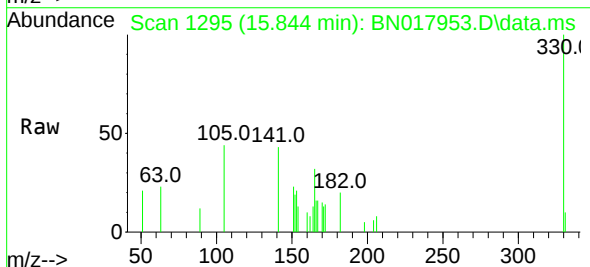
Tgt Ion:164 Resp: 90594
Ion Ratio Lower Upper
164 100
162 101.6 82.1 123.1
160 46.5 38.2 57.2

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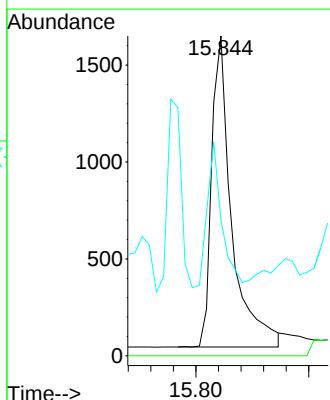
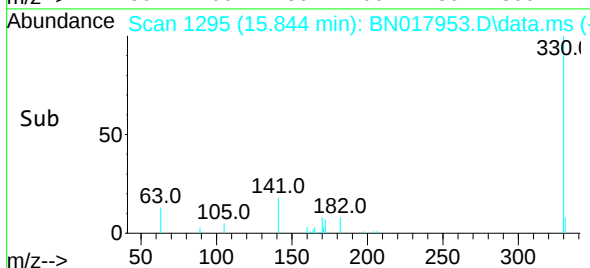
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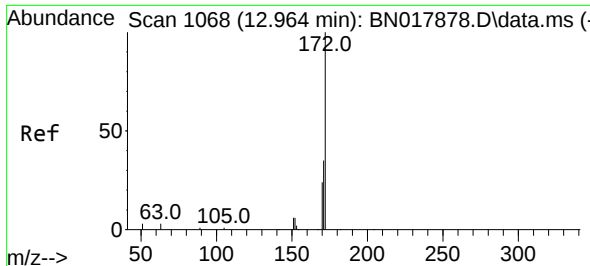


#14
2,4,6-Tribromophenol
Concen: 0.412 ng
RT: 15.844 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30



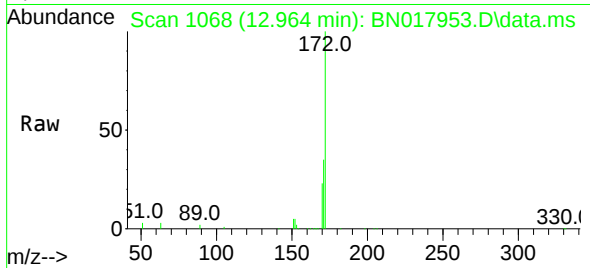
Tgt Ion:330 Resp: 3948
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 34.3 19.7 29.5#





#15
2-Fluorobiphenyl
Concen: 0.299 ng
RT: 12.964 min Scan# 1068
Delta R.T. -0.000 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

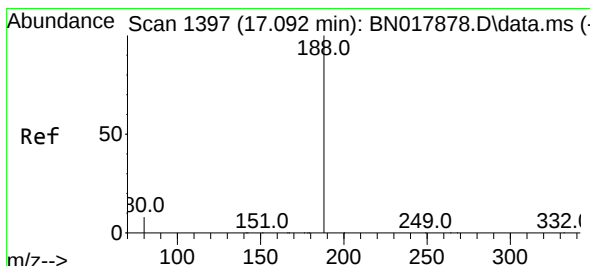
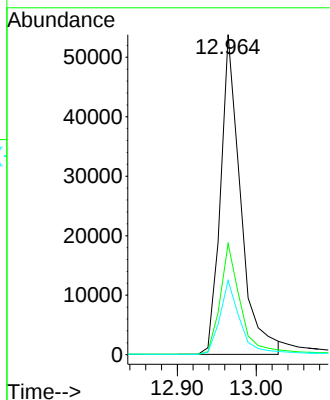
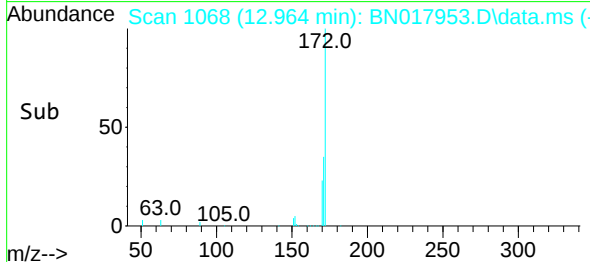
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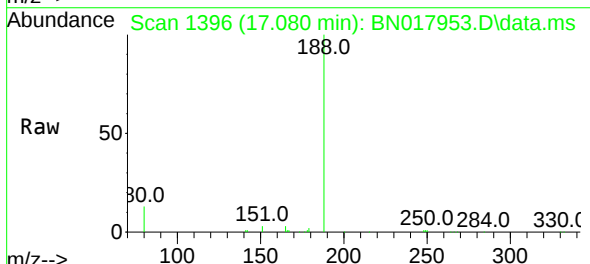
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Ion Ratio Lower Upper
172 100
171 34.7 28.3 42.5
170 23.2 19.1 28.7

Manual Integrations
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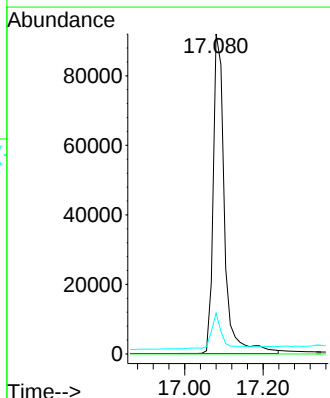
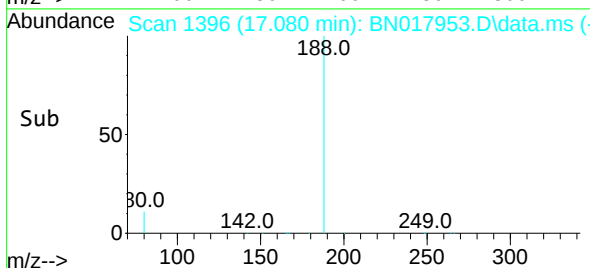
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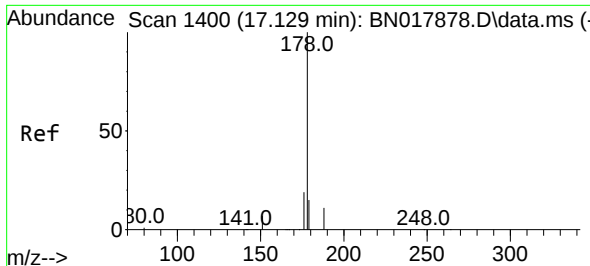


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.080 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30



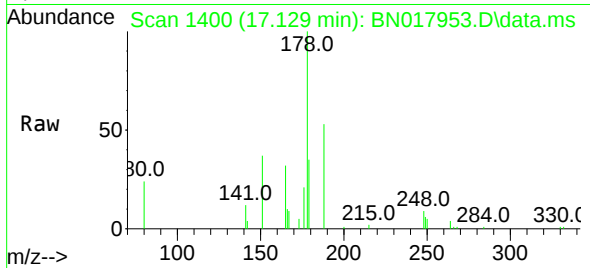
Tgt Ion:188 Resp: 182920
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.8 6.2 9.2#





#25
Phenanthrene
Concen: 0.032 ng m
RT: 17.129 min Scan# 1400
Delta R.T. -0.000 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

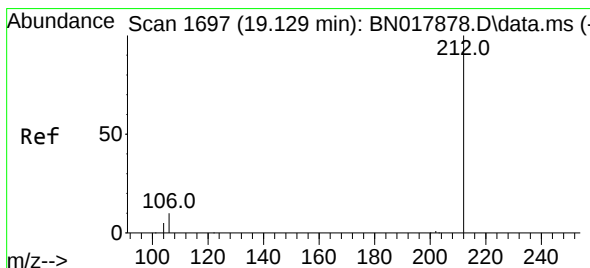
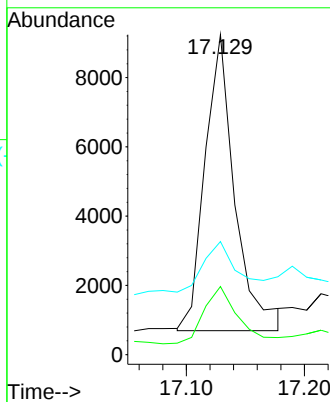
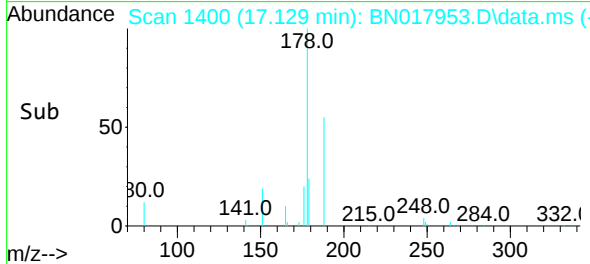
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Tgt Ion:178 Resp: 15030
Ion Ratio Lower Upper
178 100
176 22.5 15.0 22.6
179 34.8 12.4 18.6

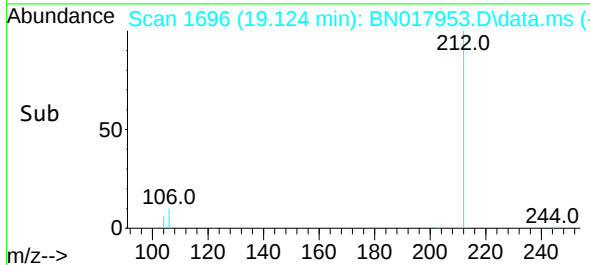
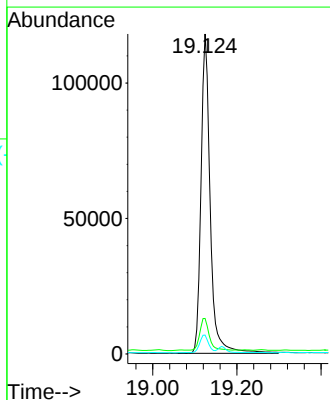
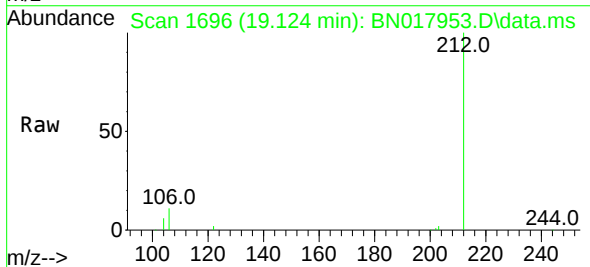
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APPROVED

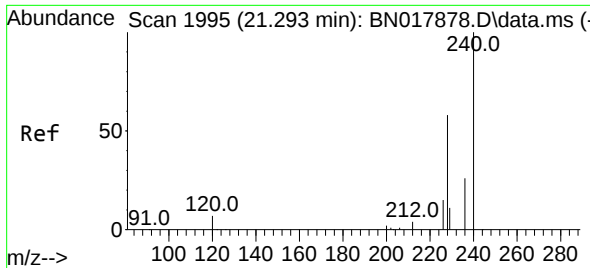
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#27
Fluoranthene-d10
Concen: 0.303 ng
RT: 19.124 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

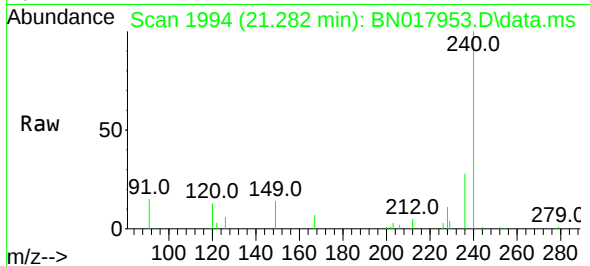
Tgt Ion:212 Resp: 179796
Ion Ratio Lower Upper
212 100
106 10.2 8.3 12.5
104 5.5 4.6 6.8





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.282 min Scan# 1994
Delta R.T. -0.011 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

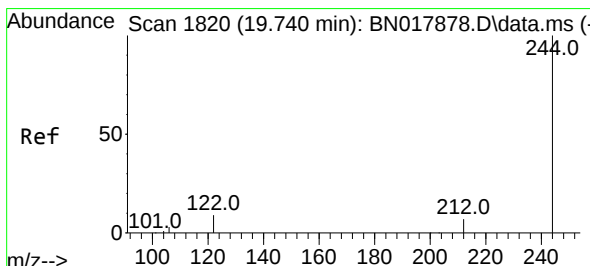
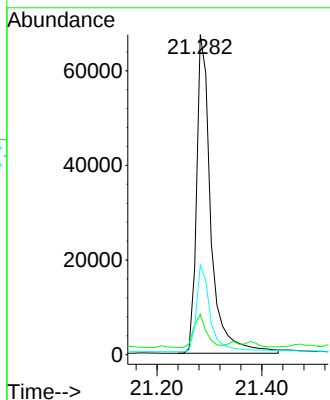
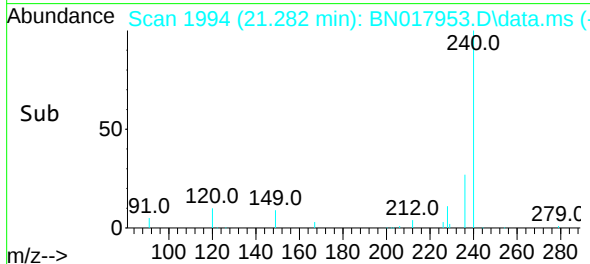
Instrument :
BNA_N
ClientSampleId :
RE104D1-20211207



Tgt Ion:240 Resp: 12772
Ion Ratio Lower Upper
240 100
120 12.6 5.8 8.8
236 28.0 21.0 31.6

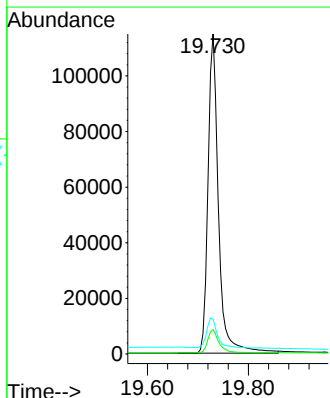
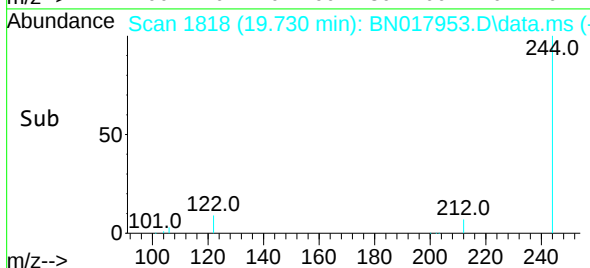
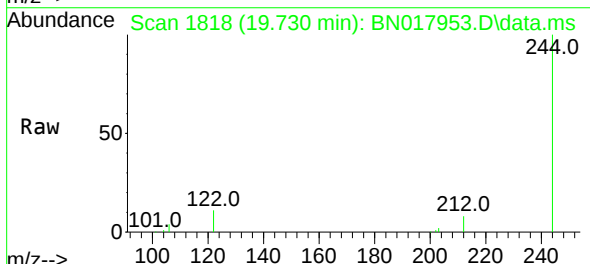
Manual Integrations
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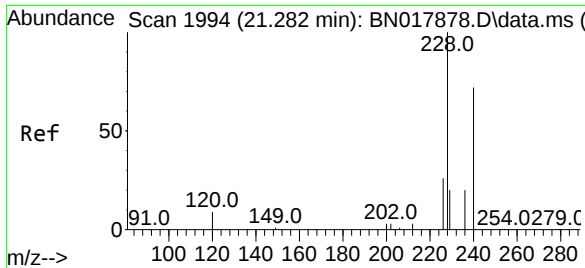
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#31
Terphenyl-d14
Concen: 0.525 ng
RT: 19.730 min Scan# 1818
Delta R.T. -0.010 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

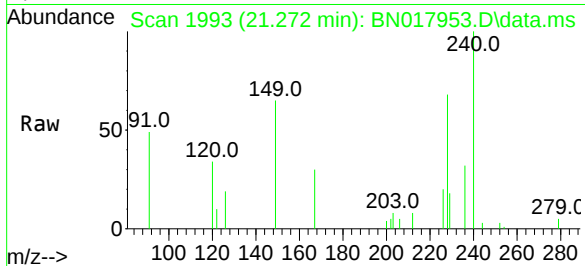
Tgt Ion:244 Resp: 165202
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 10.8 7.5 11.3





#32
Benzo(a)anthracene
Concen: 0.103 ng
RT: 21.272 min Scan# 1993
Delta R.T. -0.010 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

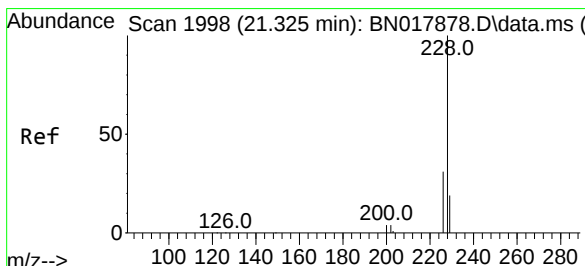
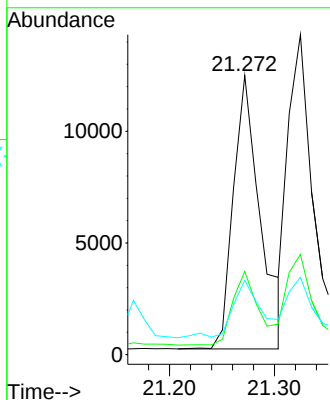
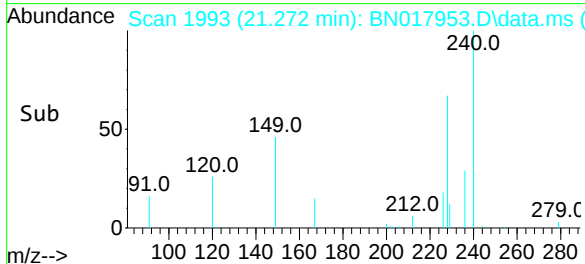
Instrument :
BNA_N
ClientSampleId :
RE104D1-20211207



Tgt Ion:228 Resp: 2187
Ion Ratio Lower Upper
228 100
226 29.9 21.0 31.4
229 26.7 15.8 23.8

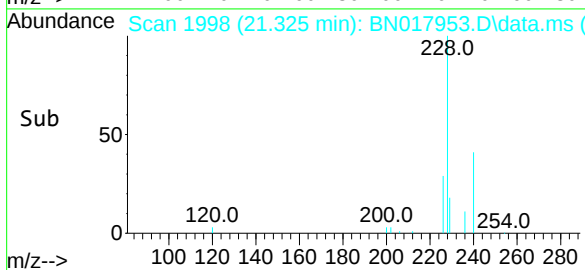
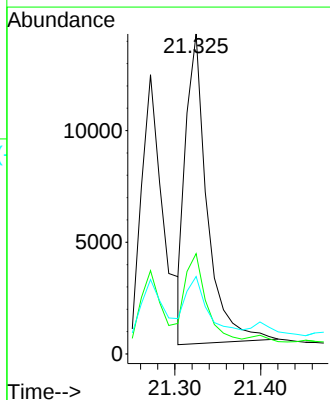
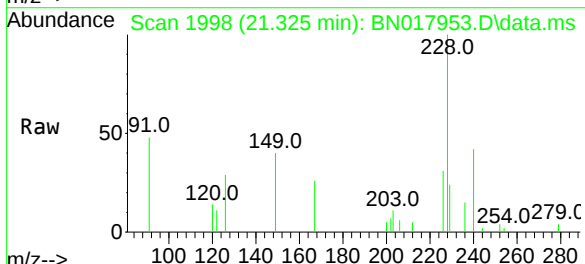
Manual Integrations
APPROVED

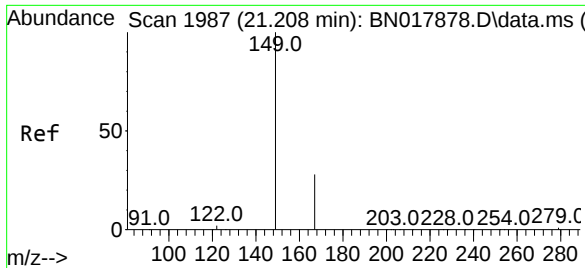
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#33
Chrysene
Concen: 0.057 ng
RT: 21.325 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

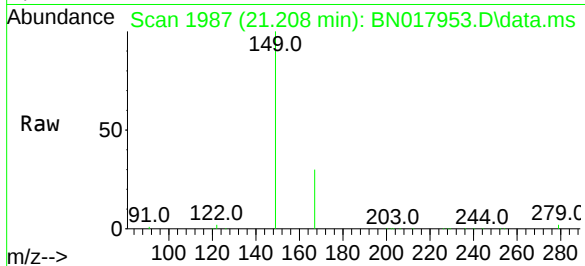
Tgt Ion:228 Resp: 23984
Ion Ratio Lower Upper
228 100
226 31.4 23.8 35.8
229 24.2 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 8.642 ng
RT: 21.208 min Scan# 1987
Delta R.T. -0.000 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

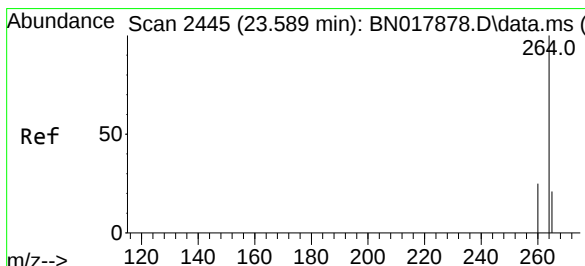
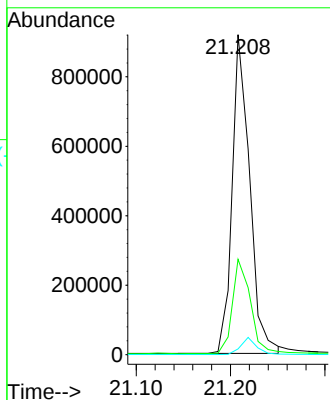
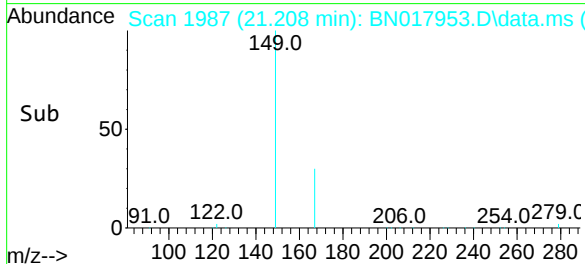
Instrument :
BNA_N
ClientSampleId :
RE104D1-20211207



Tgt Ion:149 Resp: 118502
Ion Ratio Lower Upper
149 100
167 30.3 23.4 35.0
279 4.9 3.6 5.4

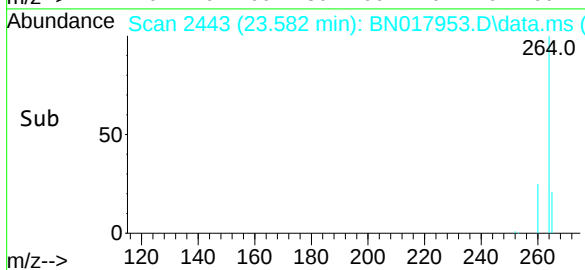
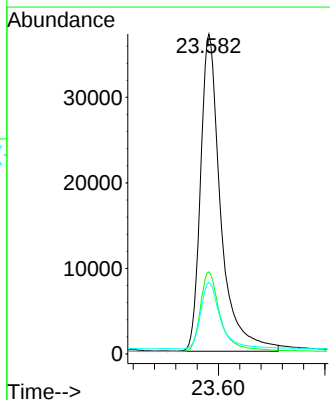
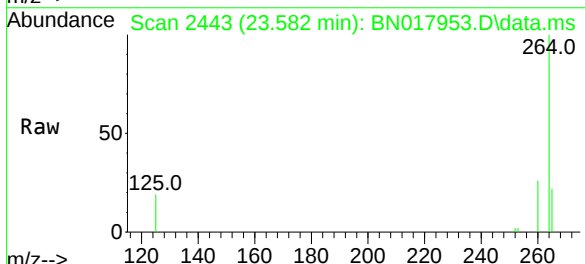
Manual Integrations
APPROVED

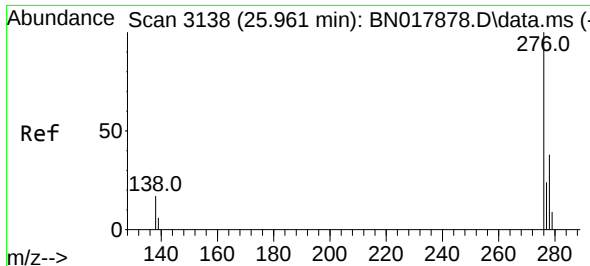
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.582 min Scan# 2443
Delta R.T. -0.007 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

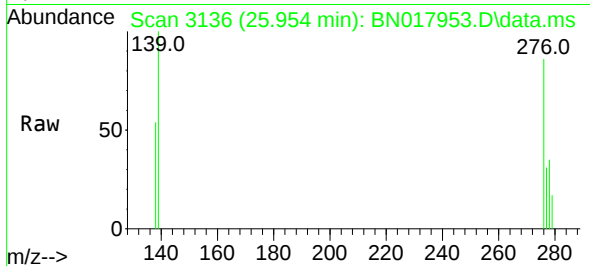
Tgt Ion:264 Resp: 97442
Ion Ratio Lower Upper
264 100
260 25.7 20.2 30.4
265 22.3 18.2 27.4





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.130 ng m
RT: 25.954 min Scan# 3136
Delta R.T. -0.007 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

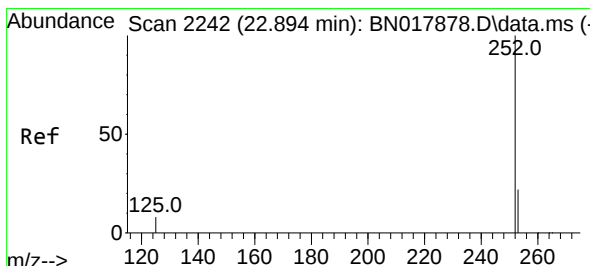
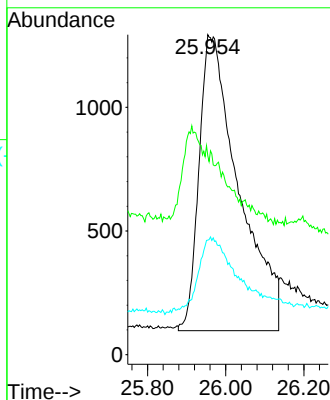
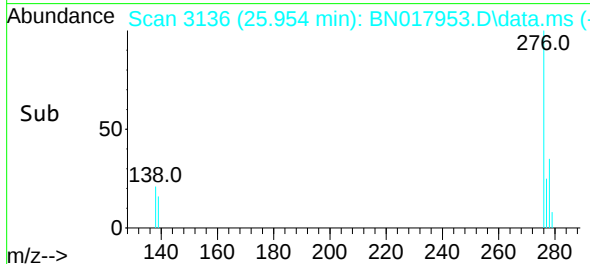
Instrument :
BNA_N
ClientSampleId :
RE104D1-20211207



Tgt Ion:276 Resp: 8450
Ion Ratio Lower Upper
276 100
138 0.0 15.2 22.8#
277 20.3 19.8 29.6#

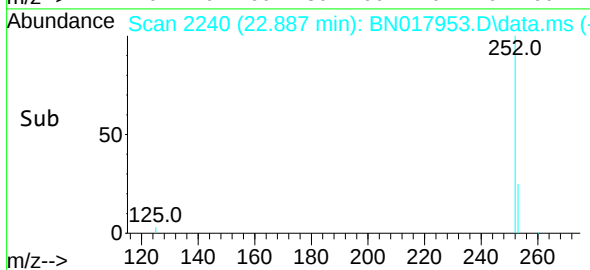
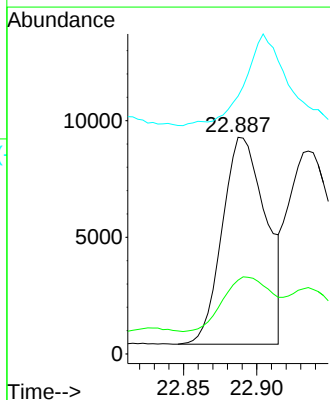
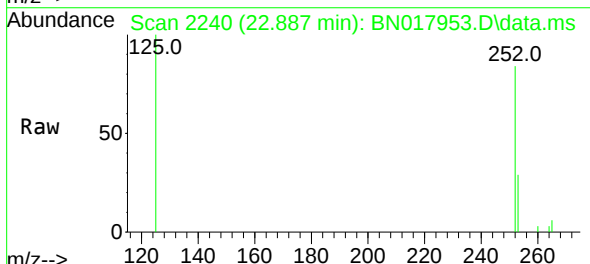
Manual Integrations
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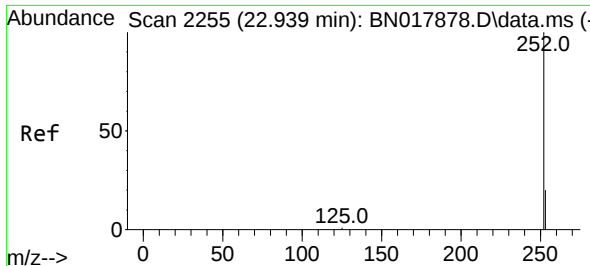
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#37
Benzo(b)fluoranthene
Concen: 0.057 ng
RT: 22.887 min Scan# 2240
Delta R.T. -0.007 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

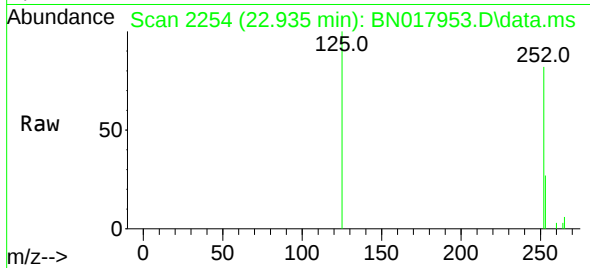
Tgt Ion:252 Resp: 18430
Ion Ratio Lower Upper
252 100
253 34.1 17.9 26.9#
125 118.9 6.8 10.2#





#38
Benzo(k)fluoranthene
Concen: 0.048 ng
RT: 22.935 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

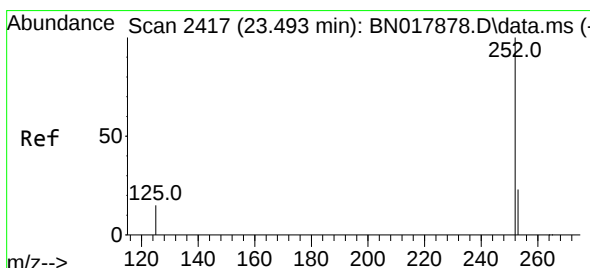
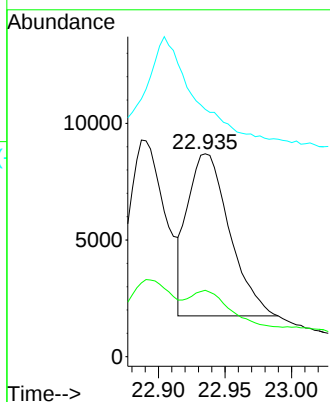
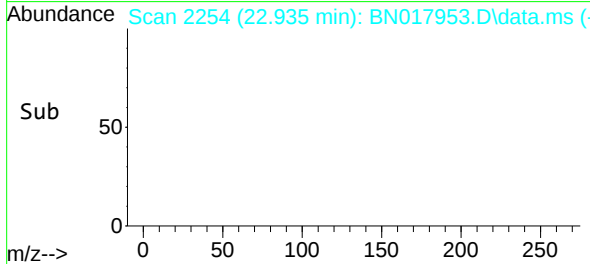
Instrument :
BNA_N
ClientSampleId :
RE104D1-20211207



Tgt Ion:252 Resp: 1520
Ion Ratio Lower Upper
252 100
253 32.7 17.8 26.6
125 121.9 6.1 9.1

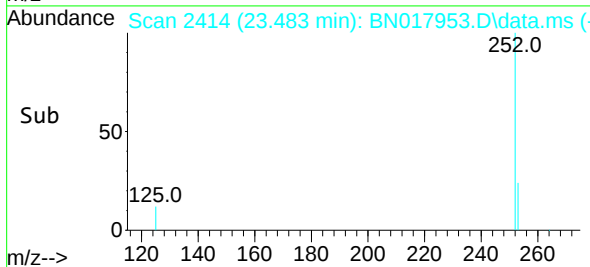
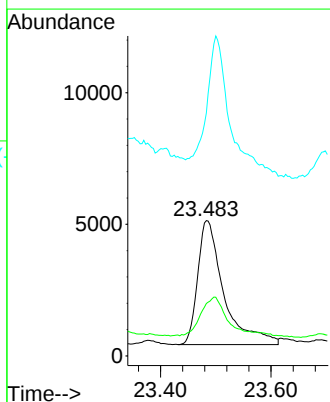
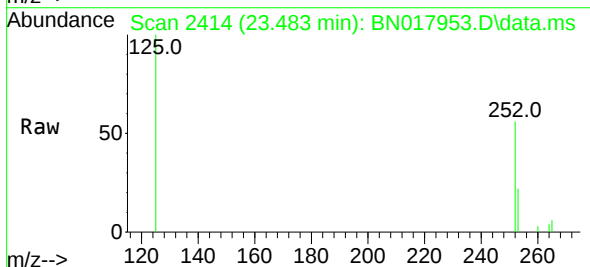
Manual Integrations
APPROVED

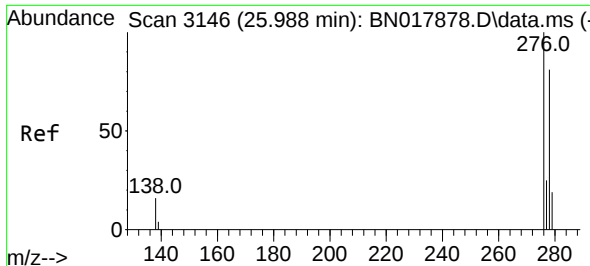
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#39
Benzo(a)pyrene
Concen: 0.054 ng
RT: 23.483 min Scan# 2414
Delta R.T. -0.010 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

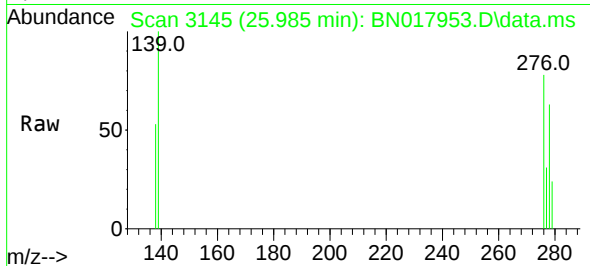
Tgt Ion:252 Resp: 15535
Ion Ratio Lower Upper
252 100
253 38.7 18.8 28.2#
125 179.5 12.2 18.2#





#40
Dibenzo(a,h)anthracene
Concen: 0.138 ng m
RT: 25.985 min Scan# 3146
Delta R.T. -0.003 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30

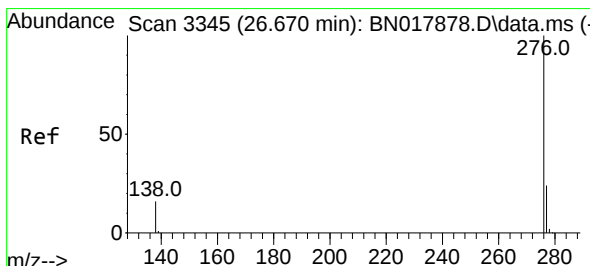
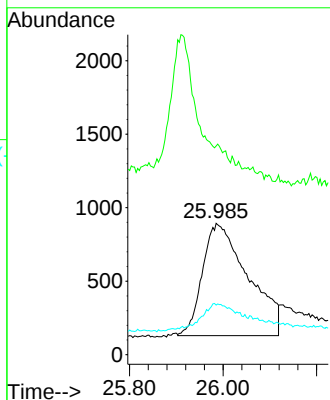
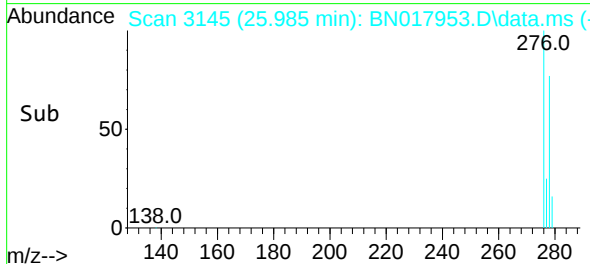
Instrument :
BNA_N
ClientSampleId :
RE104D1-20211207



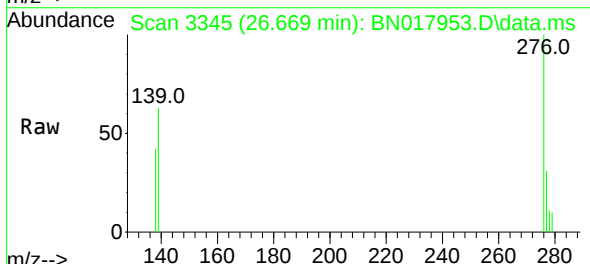
Tgt Ion:278 Resp: 518
Ion Ratio Lower Upper
278 100
139 158.8 12.0 18.0#
279 37.8 20.8 31.2#

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



#41
Benzo(g,h,i)perylene
Concen: 0.055 ng
RT: 26.669 min Scan# 3345
Delta R.T. -0.001 min
Lab File: BN017953.D
Acq: 13 Dec 2021 00:30



Tgt Ion:276 Resp: 8465
Ion Ratio Lower Upper
276 100
277 31.5 19.6 29.4#
138 42.5 13.8 20.8#

