

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
 Data File : BN017952.D
 Acq On : 12 Dec 2021 23:53
 Operator : CG/JU
 Sample : M4988-07
 Misc :
 ALS Vial : 78 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE104D2-20211207

Manual Integrations
 APPROVED

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

Quant Time: Dec 13 00:41:58 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	30519	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	118961	0.400	ng	0.00
13) Acenaphthene-d10	14.335	164	81862	0.400	ng	0.00
19) Phenanthrene-d10	17.080	188	163831	0.400	ng	#-0.01
29) Chrysene-d12	21.282	240	112818	0.400	ng	#-0.01
35) Perylene-d12	23.586	264	83646	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.336	112	6133	0.097	ng	0.00
5) Phenol-d6	6.903	99	3034	0.049	ng	0.00
8) Nitrobenzene-d5	8.846	82	19631	0.253	ng	-0.01
11) 2-Methylnaphthalene-d10	12.085	152	49895	0.239	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	560	0.345	ng	0.00
15) 2-Fluorobiphenyl	12.964	172	82740	0.287	ng	0.00
27) Fluoranthene-d10	19.124	212	146799	0.276	ng	0.00
31) Terphenyl-d14	19.730	244	132110	0.475	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.270	88	13798m	1.490	ng	
6) bis(2-Chloroethyl)ether	7.143	93	6701	0.087	ng	# 67
9) Naphthalene	10.545	128	8030	0.027	ng	# 95
32) Benzo(a)anthracene	21.272	228	16580	0.096	ng	# 89
33) Chrysene	21.325	228	19142	0.052	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.208	149	890566	7.353	ng	98
36) Indeno(1,2,3-cd)pyrene	25.968	276	5838m	0.122	ng	
37) Benzo(b)fluoranthene	22.894	252	13201	0.048	ng	# 1
38) Benzo(k)fluoranthene	22.935	252	11670m	0.043	ng	
39) Benzo(a)pyrene	23.486	252	10637	0.043	ng	# 1
40) Dibenzo(a,h)anthracene	25.995	278	3594m	0.131	ng	
41) Benzo(g,h,i)perylene	26.683	276	6127	0.046	ng	# 67

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

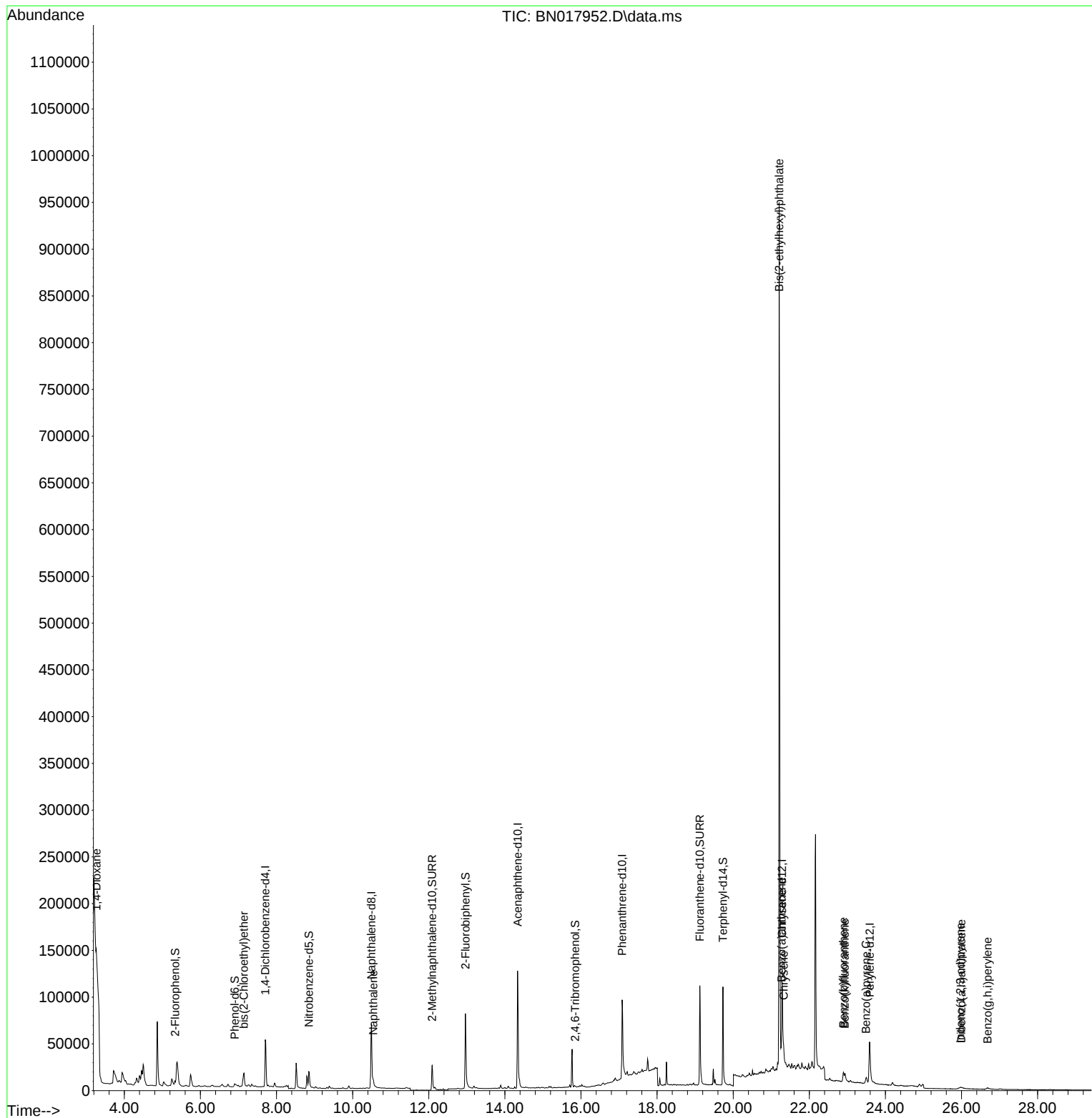
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
Data File : BN017952.D
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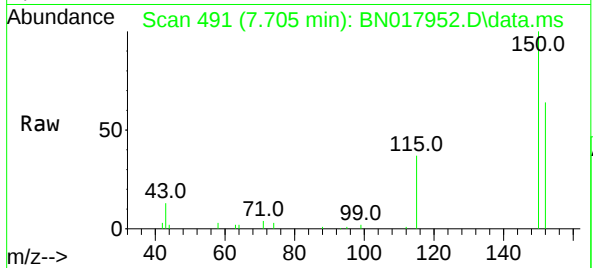
Reviewed By : Christian Giraldo 12/13/2021
Supervised By : Jagrut Upadhyay 12/13/2021





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.705 min Scan# 49
Delta R.T. -0.010 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53

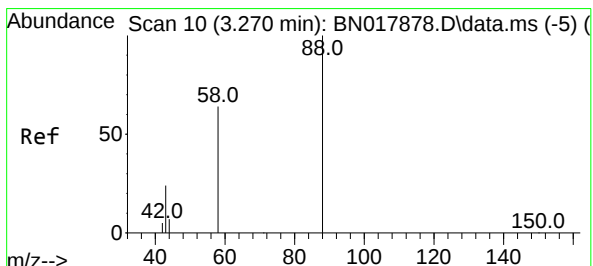
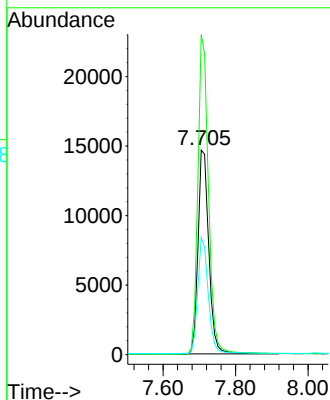
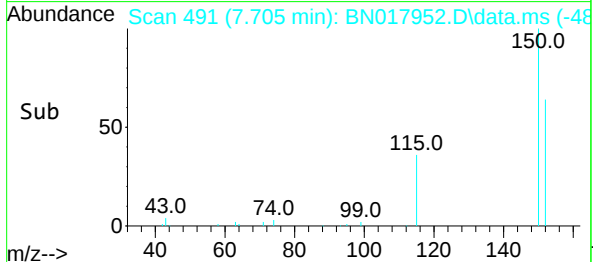
Instrument :
BNA_N
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Tgt Ion: 152 Resp: 30519
Ion Ratio Lower Upper
152 100
150 156.4 121.9 182.9
115 57.3 44.1 66.1

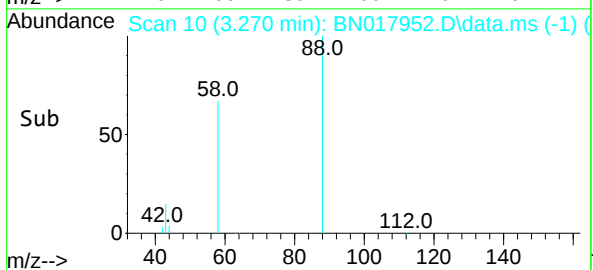
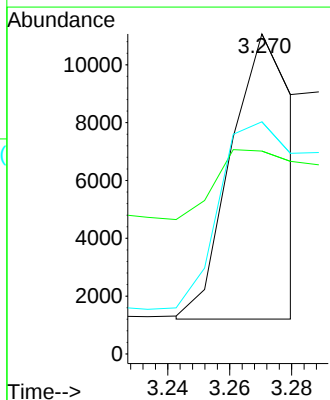
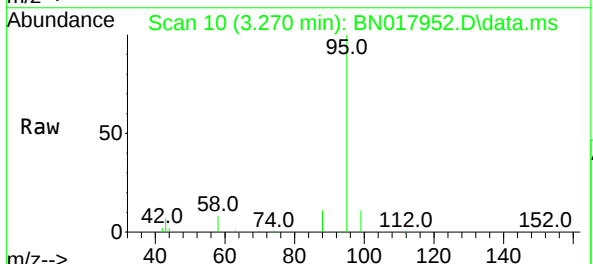
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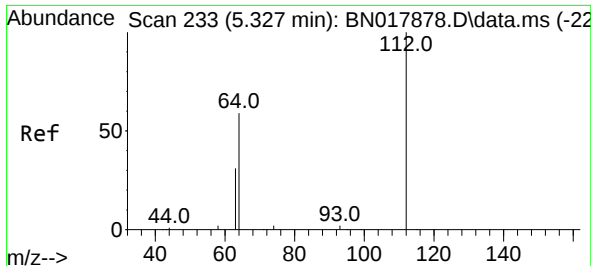
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Supervised By :Jagrut Upadhyay 12/13/2021



#2
1,4-Dioxane
Concen: 1.490 ng m
RT: 3.270 min Scan# 10
Delta R.T. -0.000 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53

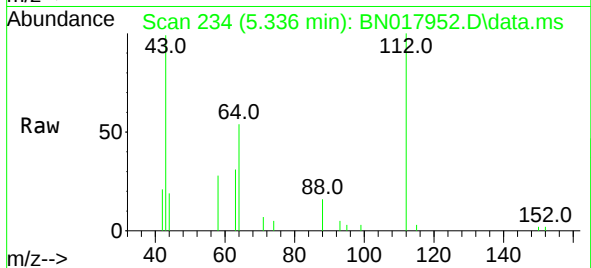
Tgt Ion: 88 Resp: 13798
Ion Ratio Lower Upper
88 100
43 42.8 28.0 42.0#
58 119.9 65.4 98.0#





#4
2-Fluorophenol
Concen: 0.097 ng
RT: 5.336 min Scan# 211
Delta R.T. 0.009 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53

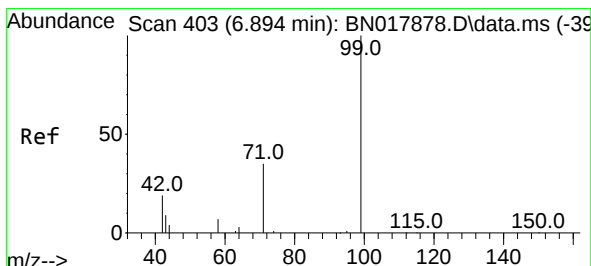
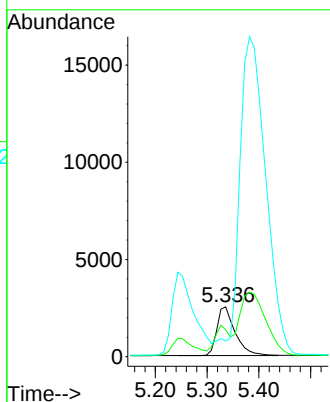
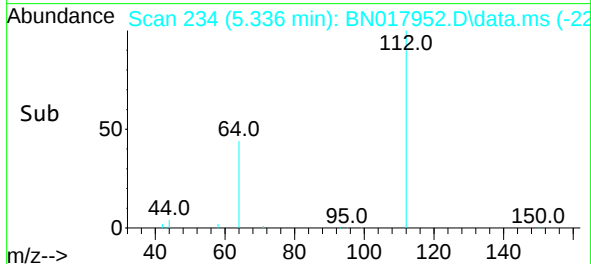
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Tgt Ion: 112 Resp: 613
Ion Ratio Lower Upper
112 100
64 37.1 49.0 73.4#
63 0.0 26.2 39.2#

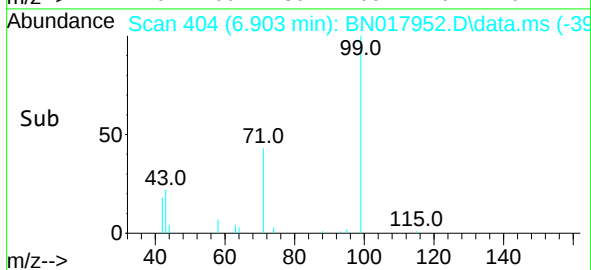
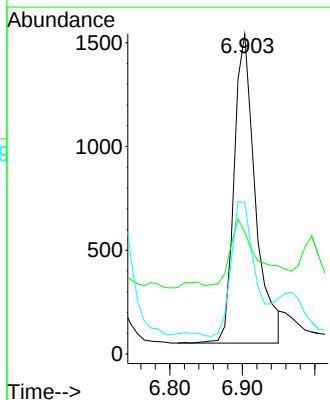
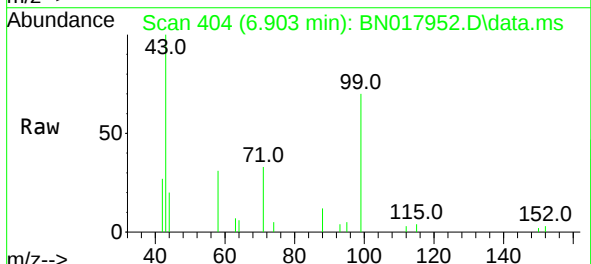
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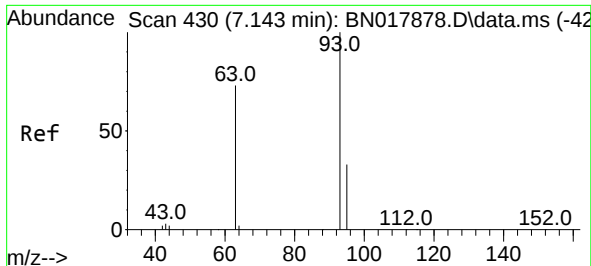
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Supervised By :Jagrut Upadhyay 12/13/2021



#5
Phenol-d6
Concen: 0.049 ng
RT: 6.903 min Scan# 404
Delta R.T. 0.009 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53

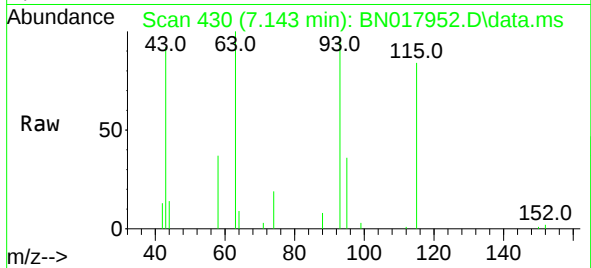
Tgt Ion: 99 Resp: 3034
Ion Ratio Lower Upper
99 100
42 26.4 17.0 25.4#
71 50.0 28.0 42.0#





#6
bis(2-Chloroethyl)ether
Concen: 0.087 ng
RT: 7.143 min Scan# 430
Delta R.T. -0.000 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53

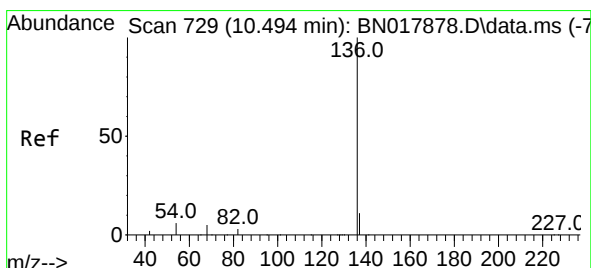
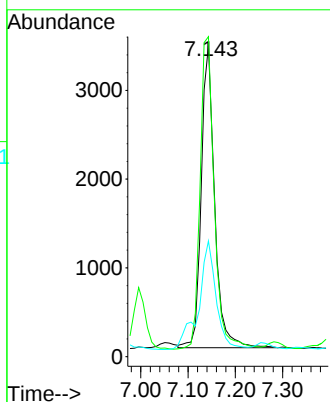
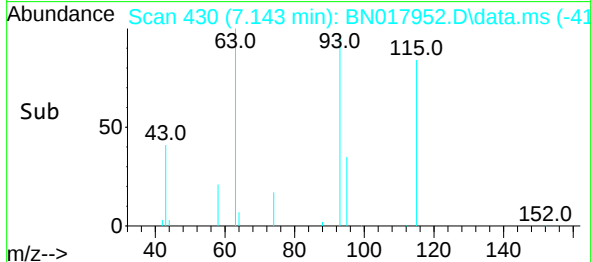
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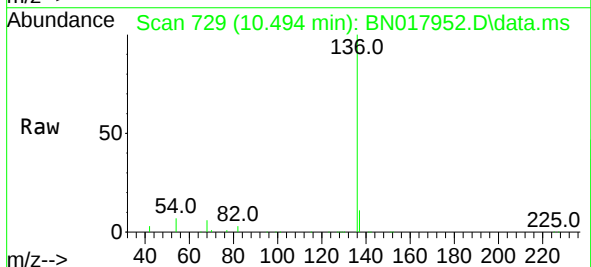
Tgt Ion: 93 Resp: 670
Ion Ratio Lower Upper
93 100
63 109.4 62.0 93.0
95 47.2 26.2 39.4

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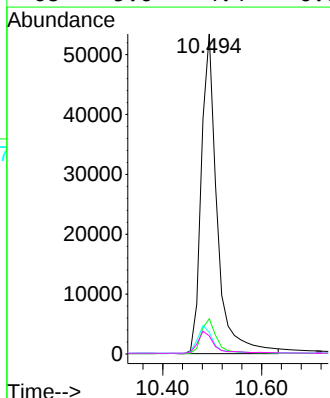
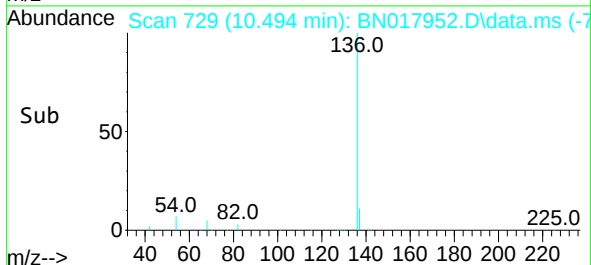
Reviewed By :Christian Giraldo 12/13/2021
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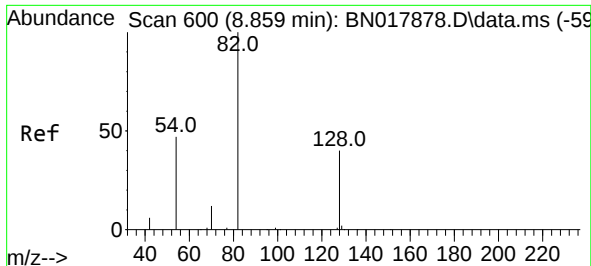


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 729
Delta R.T. -0.000 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53



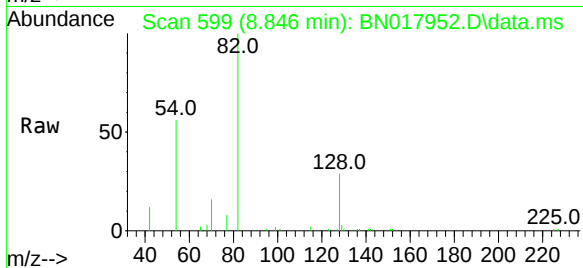
Tgt Ion:136 Resp: 118961
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.8 5.1 7.7
68 5.6 4.4 6.6





#8
Nitrobenzene-d5
Concen: 0.253 ng
RT: 8.846 min Scan# 599
Delta R.T. -0.013 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53

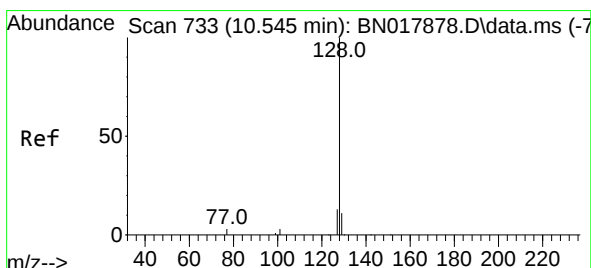
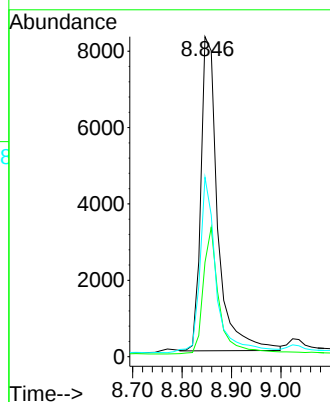
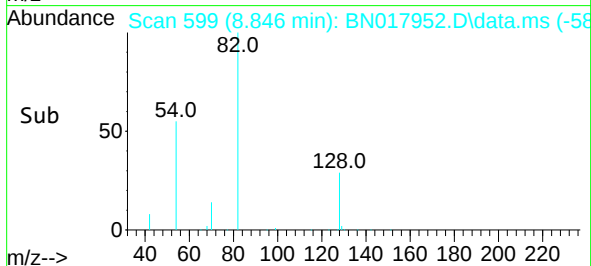
Instrument :
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Tgt Ion: 82 Resp: 1963
Ion Ratio Lower Upper
82 100
128 29.5 32.2 48.4
54 56.1 37.6 56.4

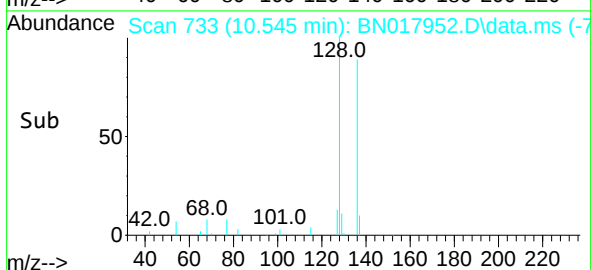
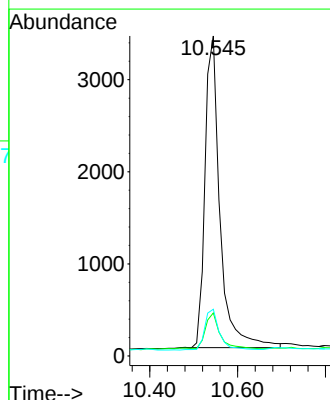
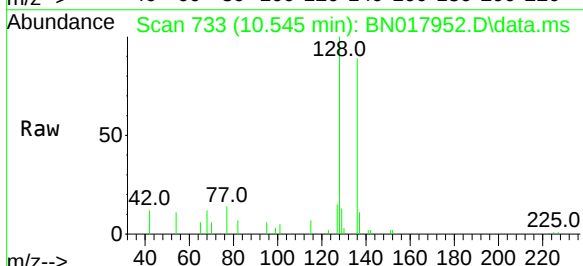
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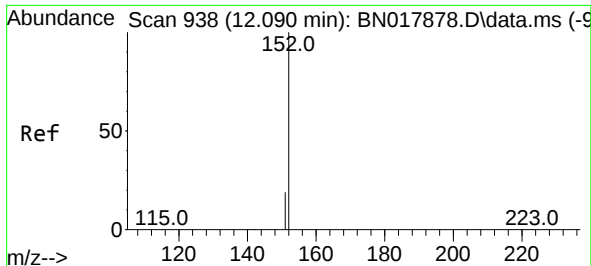
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Supervised By :Jagrut Upadhyay 12/13/2021



#9
Naphthalene
Concen: 0.027 ng
RT: 10.545 min Scan# 733
Delta R.T. -0.000 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53

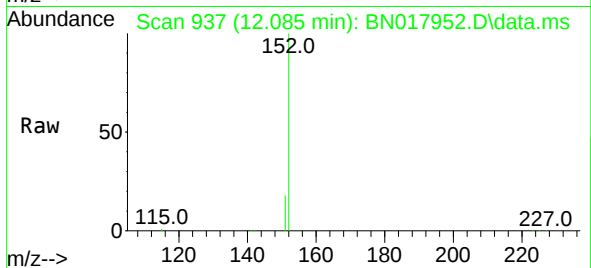
Tgt Ion:128 Resp: 8030
Ion Ratio Lower Upper
128 100
129 13.4 8.8 13.2
127 14.6 10.5 15.7





#11
2-Methylnaphthalene-d10
Concen: 0.239 ng
RT: 12.085 min Scan# 911
Delta R.T. -0.004 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53

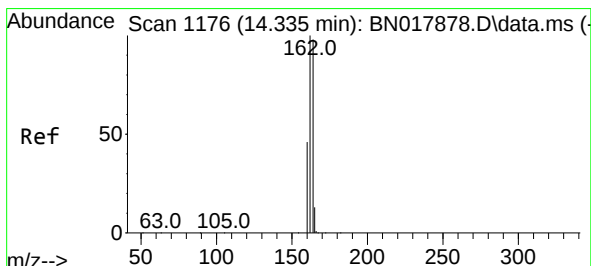
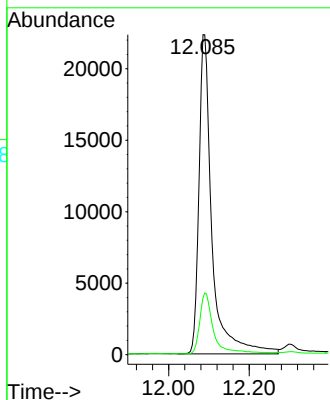
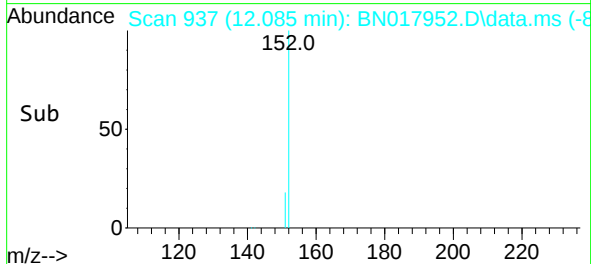
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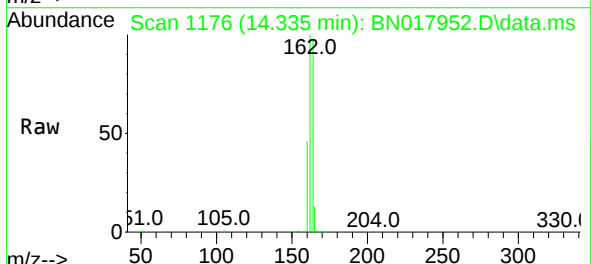
Tgt Ion:152 Resp: 4989
Ion Ratio Lower Upper
152 100
151 20.2 16.4 24.6

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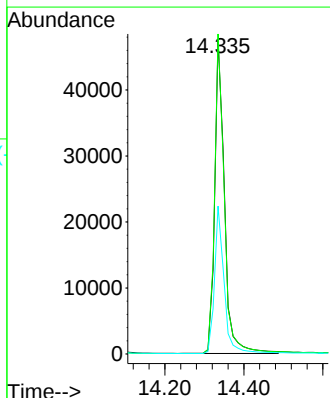
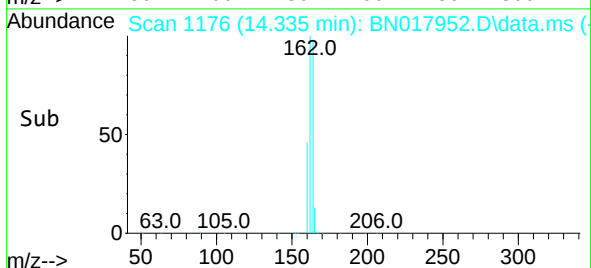
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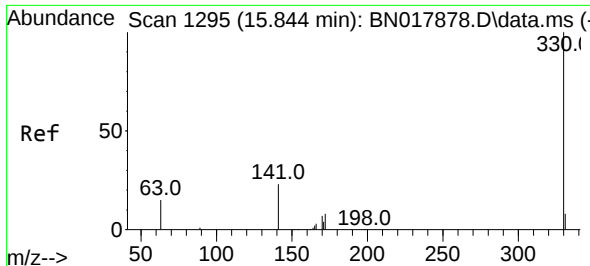


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.335 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53



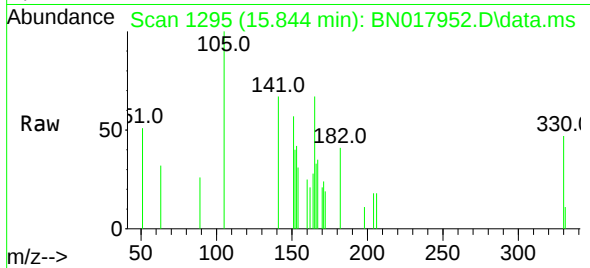
Tgt Ion:164 Resp: 81862
Ion Ratio Lower Upper
164 100
162 101.7 82.1 123.1
160 47.0 38.2 57.2





#14
2,4,6-Tribromophenol
Concen: 0.345 ng
RT: 15.844 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53

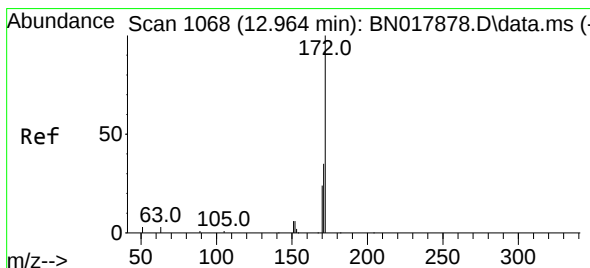
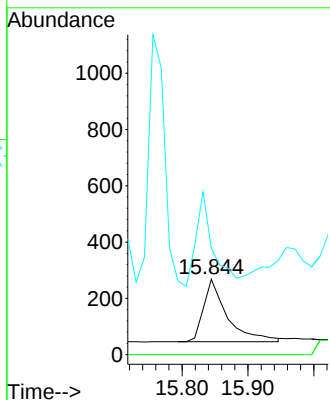
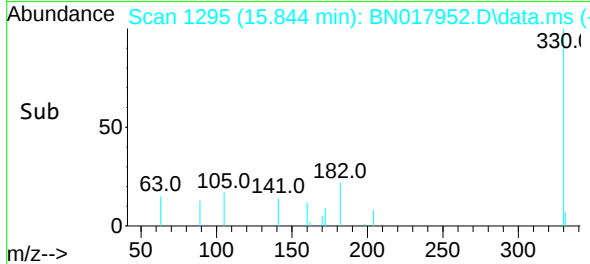
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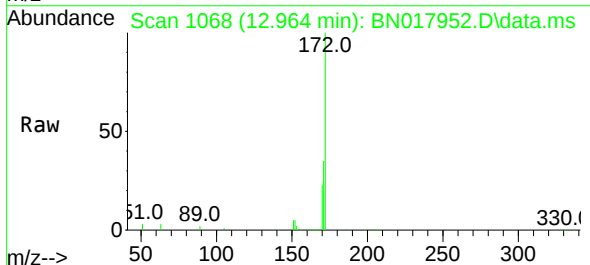
Tgt Ion:330 Resp: 560
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 107.5 19.7 29.5

Manual Integrations
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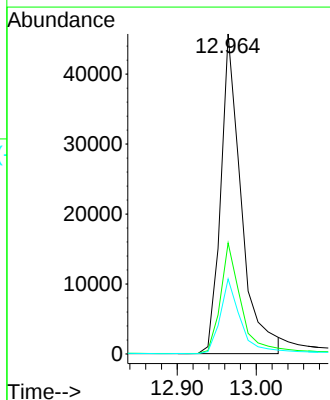
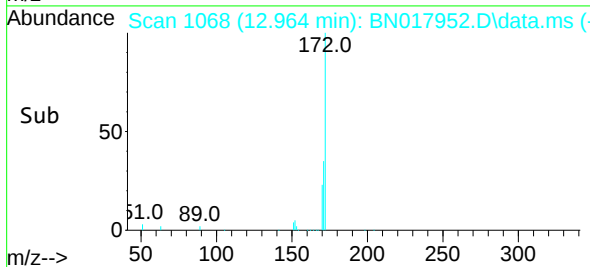
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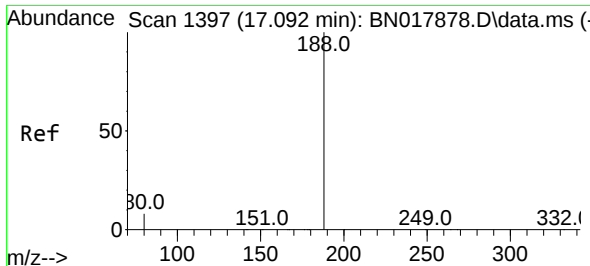


#15
2-Fluorobiphenyl
Concen: 0.287 ng
RT: 12.964 min Scan# 1068
Delta R.T. -0.000 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53



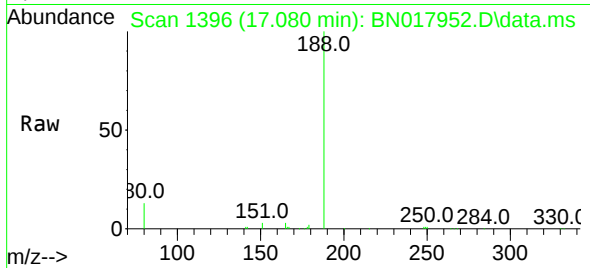
Tgt Ion:172 Resp: 82740
Ion Ratio Lower Upper
172 100
171 34.7 28.3 42.5
170 23.5 19.1 28.7





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.080 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53

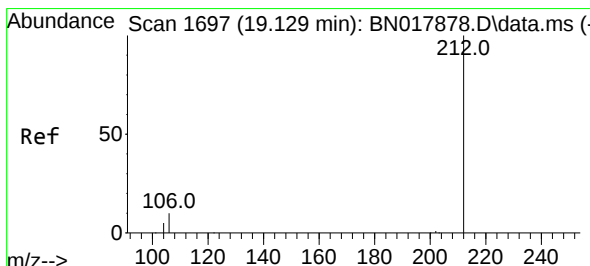
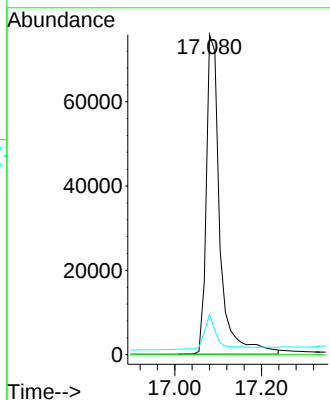
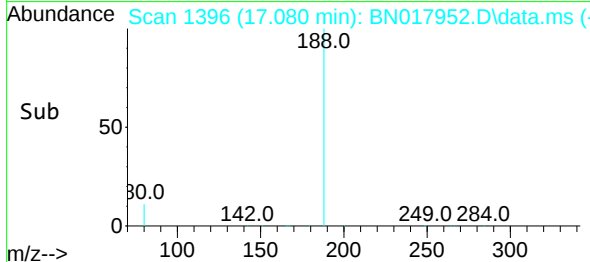
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Tgt Ion:188 Resp: 16383
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.7 6.2 9.2

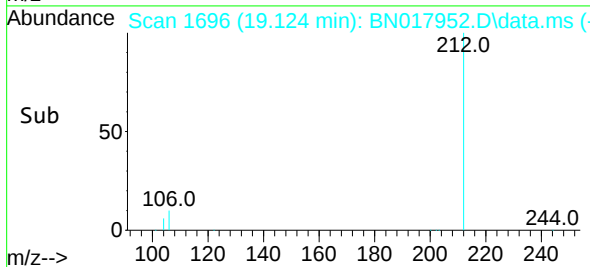
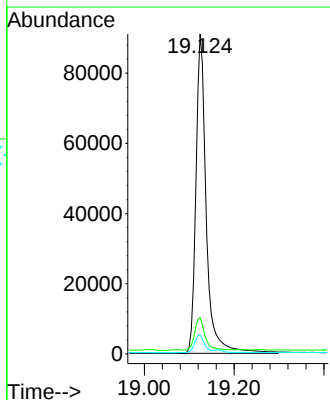
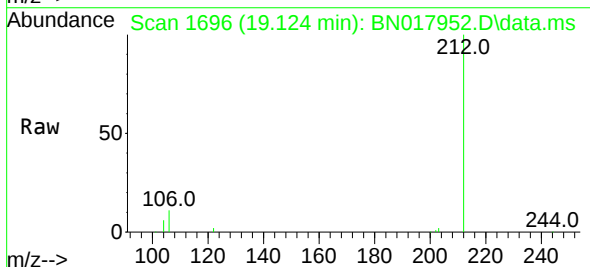
Manual Integrations
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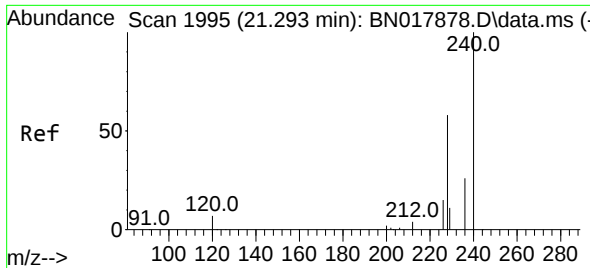
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#27
Fluoranthene-d10
Concen: 0.276 ng
RT: 19.124 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53

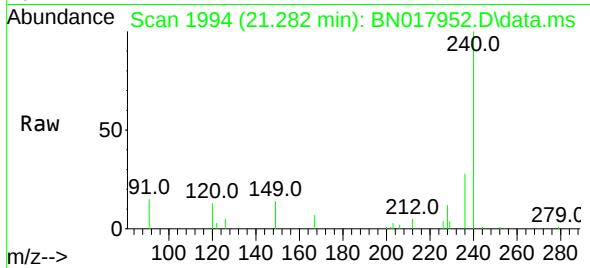
Tgt Ion:212 Resp: 146799
Ion Ratio Lower Upper
212 100
106 10.1 8.3 12.5
104 5.4 4.6 6.8





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.282 min Scan# 1994
Delta R.T. -0.011 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53

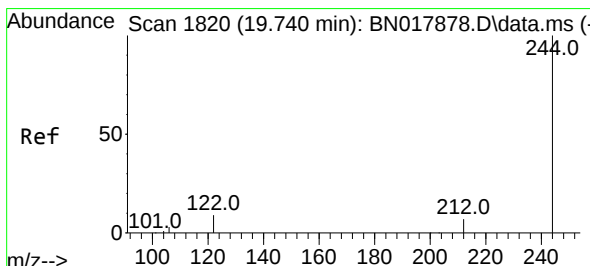
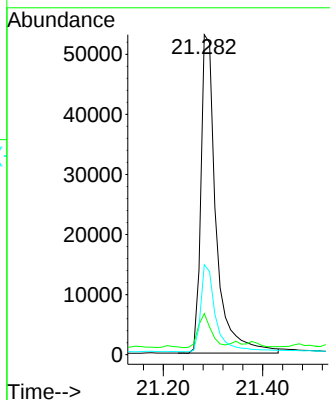
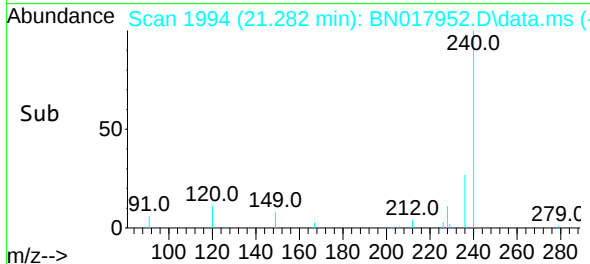
Instrument :
BNA_N
ClientSampleId :
RE104D2-20211207



Tgt Ion:240 Resp: 112818
Ion Ratio Lower Upper
240 100
120 12.9 5.8 8.8
236 28.1 21.0 31.6

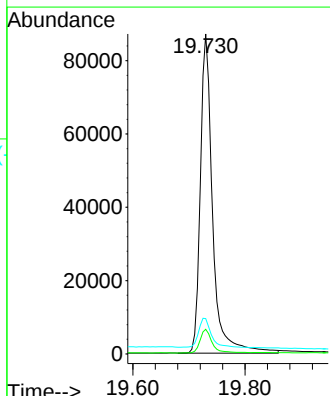
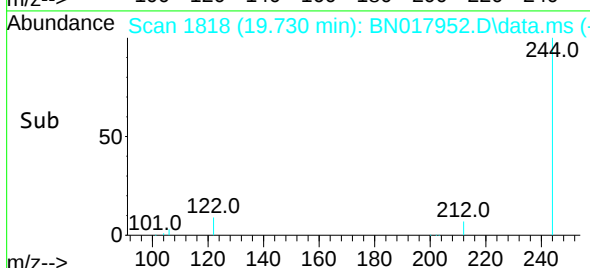
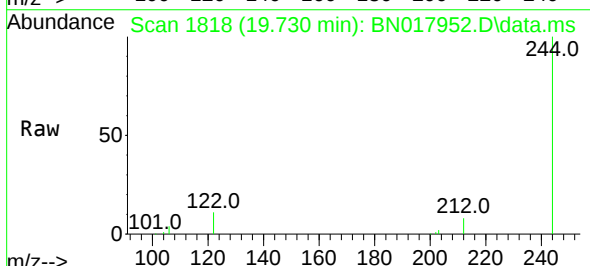
Manual Integrations
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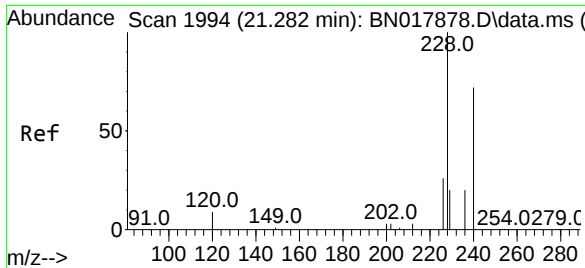
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#31
Terphenyl-d14
Concen: 0.475 ng
RT: 19.730 min Scan# 1818
Delta R.T. -0.010 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53

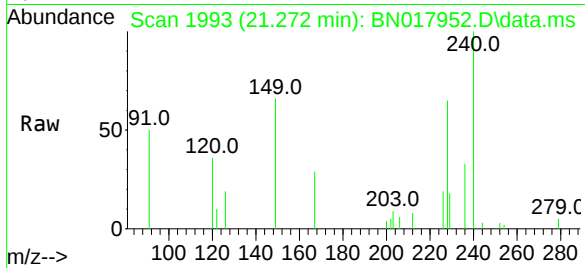
Tgt Ion:244 Resp: 132110
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.2
122 11.1 7.5 11.3





#32
Benzo(a)anthracene
Concen: 0.096 ng
RT: 21.272 min Scan# 1993
Delta R.T. -0.010 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53

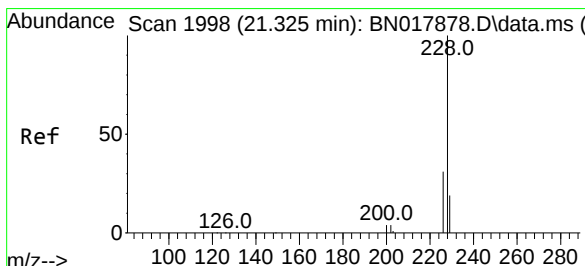
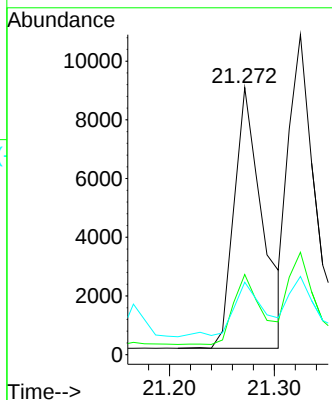
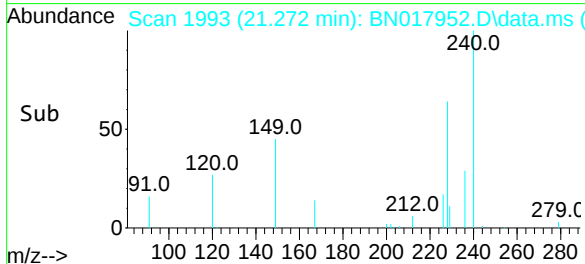
Instrument :
BNA_N
ClientSampleId :
RE104D2-20211207



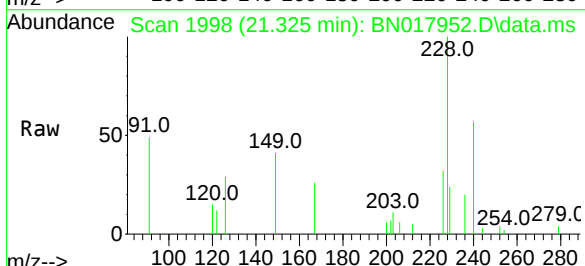
Tgt Ion:228 Resp: 16580
Ion Ratio Lower Upper
228 100
226 30.0 21.0 31.4
229 27.2 15.8 23.8

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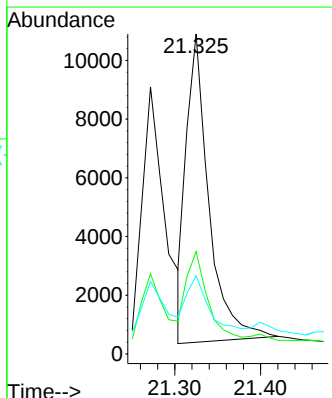
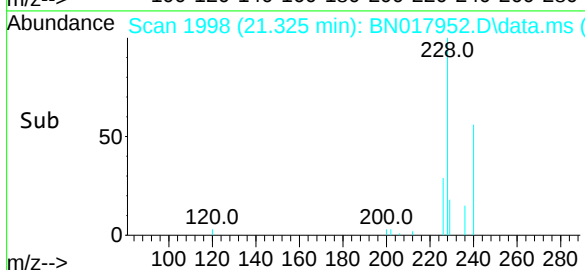
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021

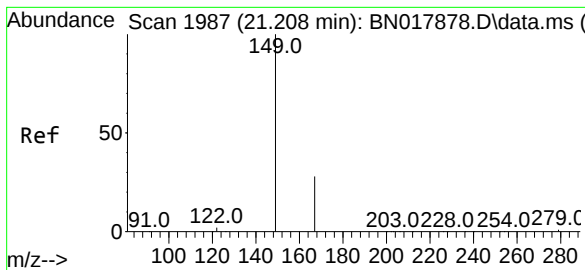


#33
Chrysene
Concen: 0.052 ng
RT: 21.325 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53



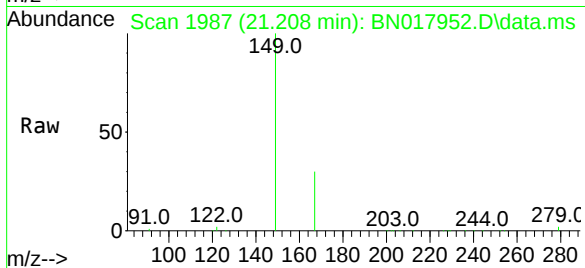
Tgt Ion:228 Resp: 19142
Ion Ratio Lower Upper
228 100
226 32.0 23.8 35.8
229 24.4 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 7.353 ng
RT: 21.208 min Scan# 1987
Delta R.T. 0.000 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53

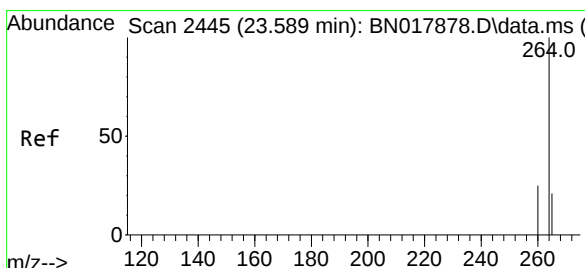
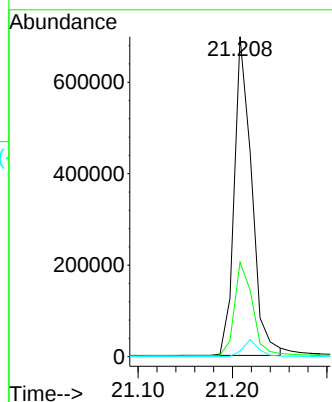
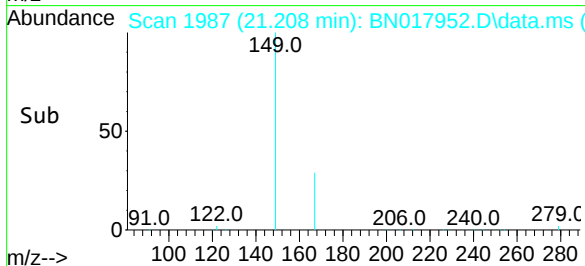
Instrument :
BNA_N
ClientSampleId :
RE104D2-20211207



Tgt Ion:149 Resp: 890560
Ion Ratio Lower Upper
149 100
167 30.2 23.4 35.0
279 4.9 3.6 5.4

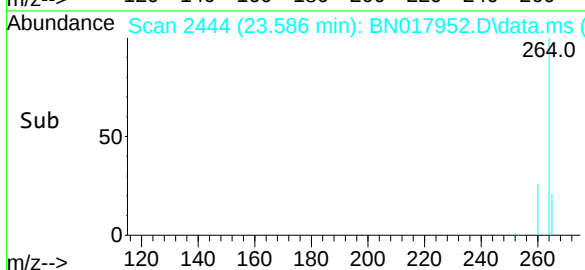
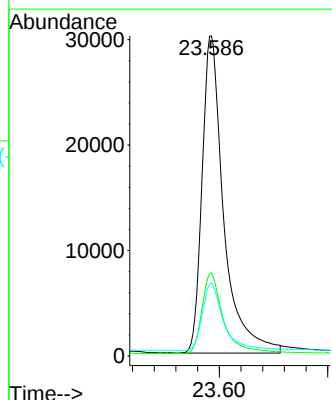
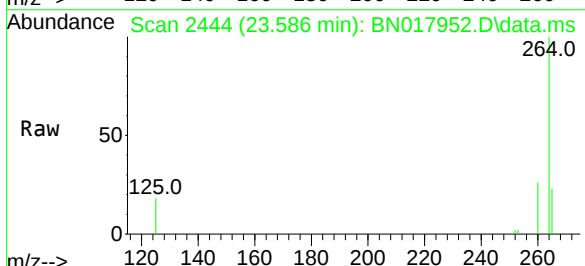
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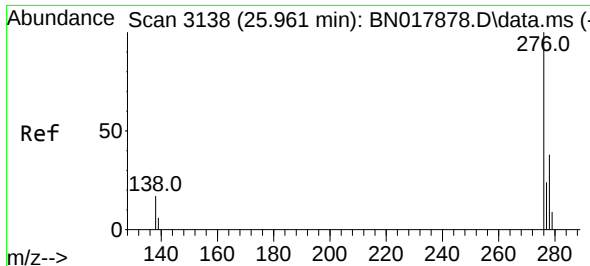
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.586 min Scan# 2444
Delta R.T. -0.003 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53

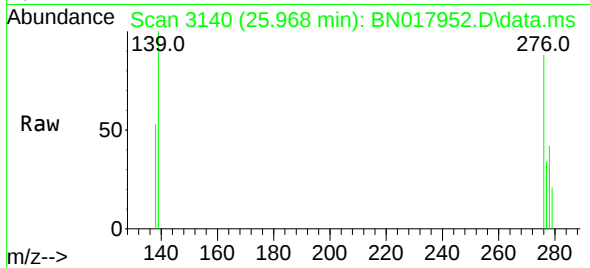
Tgt Ion:264 Resp: 83646
Ion Ratio Lower Upper
264 100
260 26.0 20.2 30.4
265 22.8 18.2 27.4





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.122 ng m
RT: 25.968 min Scan# 3138
Delta R.T. 0.007 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53

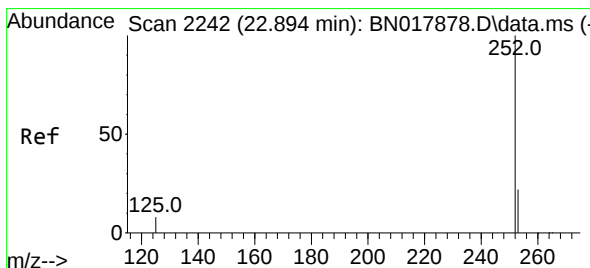
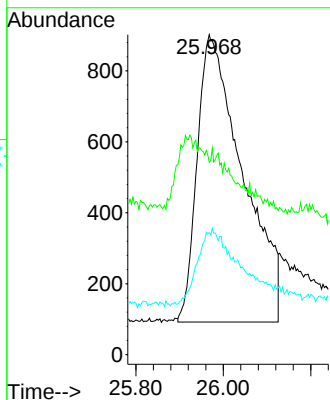
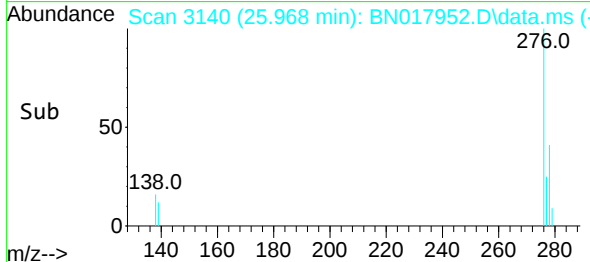
Instrument :
BNA_N
ClientSampleId :
RE104D2-20211207



Tgt Ion:276 Resp: 5838
Ion Ratio Lower Upper
276 100
138 0.0 15.2 22.8#
277 21.0 19.8 29.6#

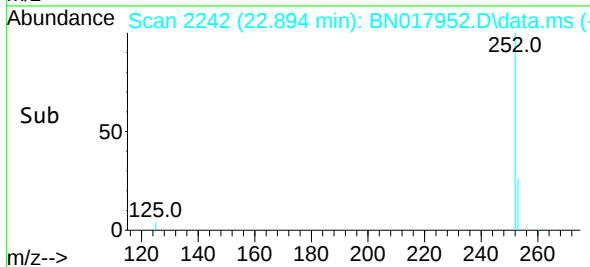
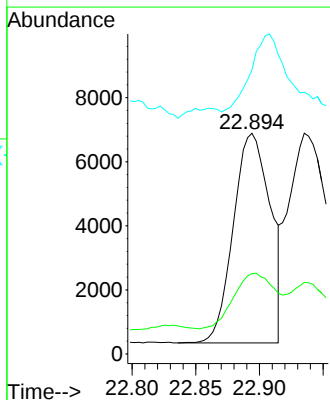
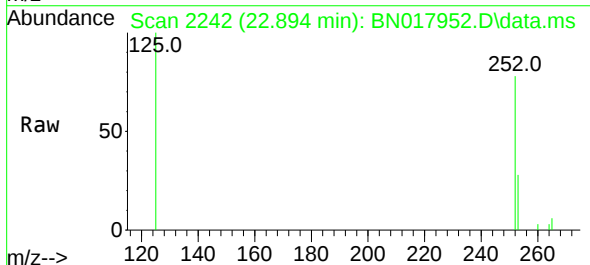
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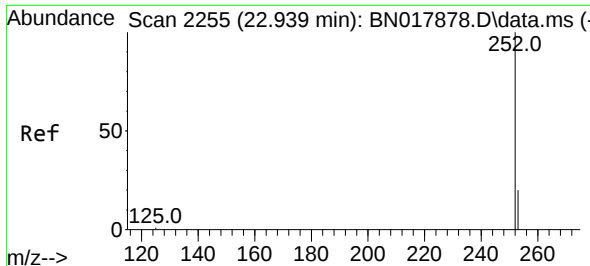
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#37
Benzo(b)fluoranthene
Concen: 0.048 ng
RT: 22.894 min Scan# 2242
Delta R.T. 0.000 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53

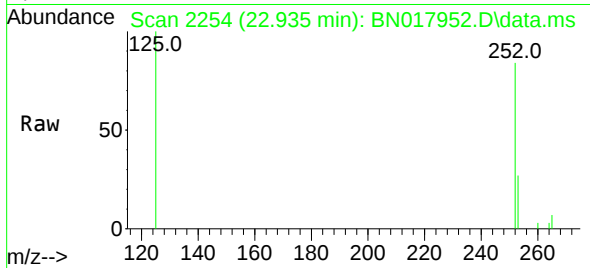
Tgt Ion:252 Resp: 13201
Ion Ratio Lower Upper
252 100
253 36.4 17.9 26.9#
125 128.7 6.8 10.2#





#38
Benzo(k)fluoranthene
Concen: 0.043 ng m
RT: 22.935 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53

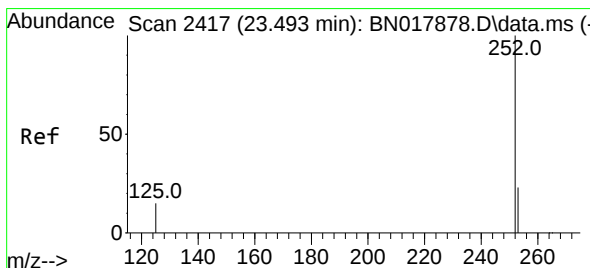
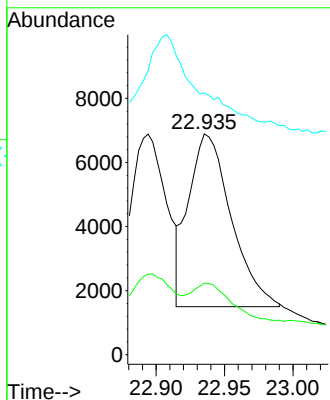
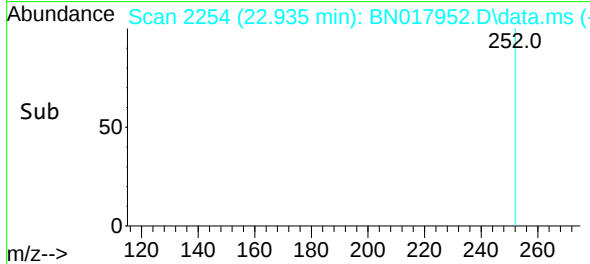
Instrument :
BNA_N
ClientSampleId :
RE104D2-20211207



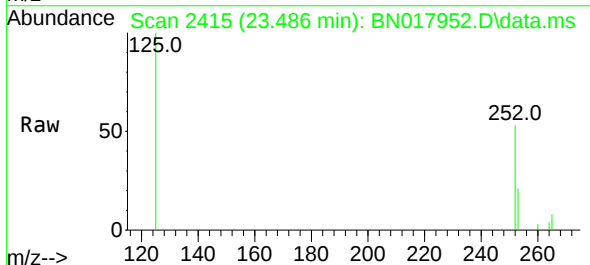
Tgt Ion:252 Resp: 11670
Ion Ratio Lower Upper
252 100
253 32.4 17.8 26.6
125 118.5 6.1 9.1

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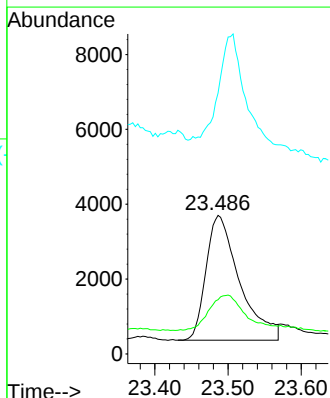
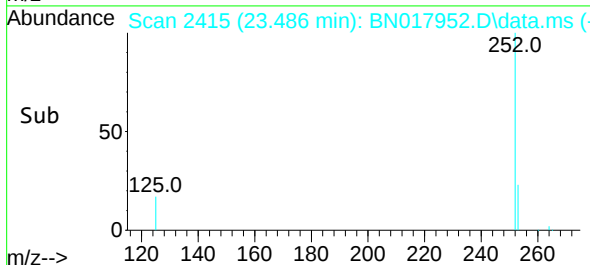
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021

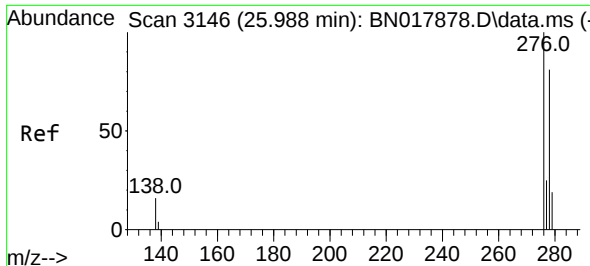


#39
Benzo(a)pyrene
Concen: 0.043 ng
RT: 23.486 min Scan# 2415
Delta R.T. -0.007 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53



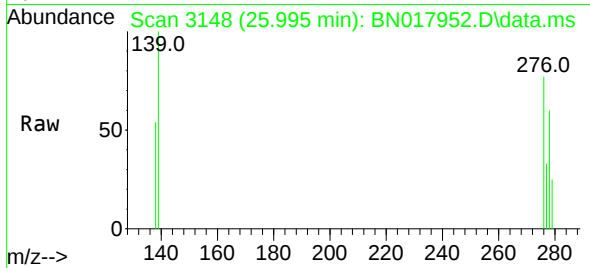
Tgt Ion:252 Resp: 10637
Ion Ratio Lower Upper
252 100
253 39.2 18.8 28.2#
125 188.1 12.2 18.2#





#40
Dibenzo(a,h)anthracene
Concen: 0.131 ng m
RT: 25.995 min Scan# 3146
Delta R.T. 0.007 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53

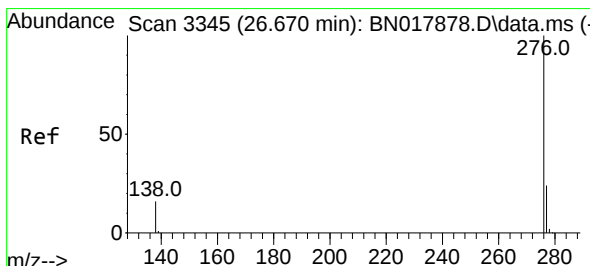
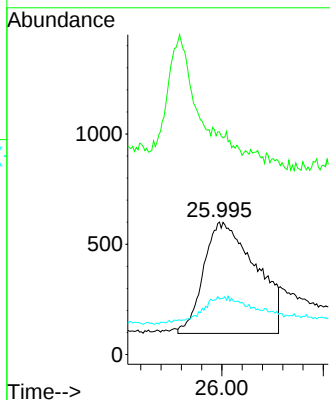
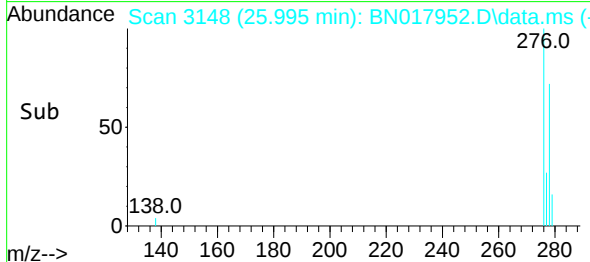
Instrument :
BNA_N
ClientSampleId :
RE104D2-20211207



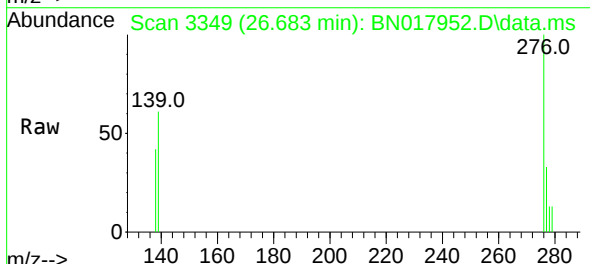
Tgt Ion:278 Resp: 3594
Ion Ratio Lower Upper
278 100
139 167.9 12.0 18.0#
279 41.9 20.8 31.2#

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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: 0.046 ng
RT: 26.683 min Scan# 3349
Delta R.T. 0.013 min
Lab File: BN017952.D
Acq: 12 Dec 2021 23:53



Tgt Ion:276 Resp: 6127
Ion Ratio Lower Upper
276 100
277 32.9 19.6 29.4#
138 41.8 13.8 20.8#

