

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082422\
 Data File : BN021353.D
 Acq On : 25 Aug 2022 01:32
 Operator : CG/JU
 Sample : N4245-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW178S-20220816

Quant Time: Aug 25 07:16:10 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 06:55:06 2022
 Response via : Initial Calibration

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

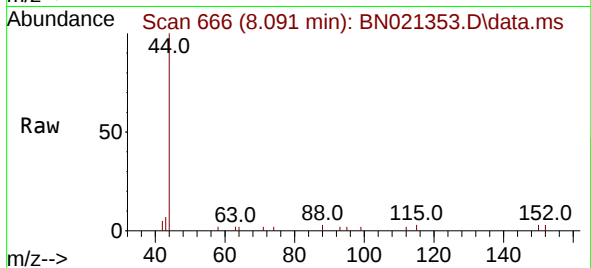
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.091	152	58	0.400	ng	# 0.00
7) Naphthalene-d8	10.920	136	765	0.400	ng	# 0.00
13) Acenaphthene-d10	14.739	164	135	0.400	ng	# 0.00
19) Phenanthrene-d10	17.490	188	49	0.400	ng	# 0.00
29) Chrysene-d12	21.673	240	121	0.400	ng	# 0.00
35) Perylene-d12	24.203	264	43	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.613	112	26	0.166	ng	0.00
5) Phenol-d6	7.238	99	28	0.142	ng	0.00
8) Nitrobenzene-d5	9.265	82	98	0.169	ng	0.01
11) 2-Methylnaphthalene-d10	12.505	152	205	0.159	ng	0.00
14) 2,4,6-Tribromophenol	16.311	330	1	0.016	ng	0.08
15) 2-Fluorobiphenyl	13.371	172	240	0.397	ng	0.00
27) Fluoranthene-d10	19.514	212	12	0.082	ng	0.00
31) Terphenyl-d14	20.106	244	15	0.059	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.786	42	12	0.156	ng	# 1
6) bis(2-Chloroethyl)ether	7.506	93	6	0.030	ng	# 1
9) Naphthalene	10.973	128	131	0.052	ng	# 1
16) Acenaphthylene	14.451	152	28	0.041	ng	# 59
17) Acenaphthene	14.803	154	19	0.040	ng	96
18) Fluorene	15.787	166	35	0.059	ng	# 88
20) 4,6-Dinitro-2-methylph...	15.659	198	3	46.606	ng	96
21) 4-Bromophenyl-phenylether	16.680	248	5	0.149	ng	# 66
22) Hexachlorobenzene	16.783	284	14	0.360	ng	# 18
23) Atrazine	16.947	200	4	0.189	ng	# 3
24) Pentachlorophenol	17.131	266	27	2.007	ng	# 38
25) Phenanthrene	17.531	178	142	0.792	ng	# 89
26) Anthracene	17.624	178	31	0.211	ng	# 82
28) Fluoranthene	19.548	202	55	0.279	ng	# 79
30) Pyrene	19.910	202	55	0.090	ng	# 81
32) Benzo(a)anthracene	21.655	228	61	0.133	ng	# 8
33) Chrysene	21.709	228	90	0.180	ng	# 32
34) Bis(2-ethylhexyl)phtha...	21.575	149	243	1.100	ng	# 88
36) Indeno(1,2,3-cd)pyrene	26.863	276	15	0.069	ng	# 66
37) Benzo(b)fluoranthene	23.425	252	109	0.575	ng	# 1
38) Benzo(k)fluoranthene	23.472	252	46	0.235	ng	# 1
39) Benzo(a)pyrene	24.095	252	7	0.045	ng	# 1
40) Dibenzo(a,h)anthracene	26.898	278	39	0.217	ng	# 1
41) Benzo(g,h,i)perylene	27.688	276	24	0.127	ng	# 1

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

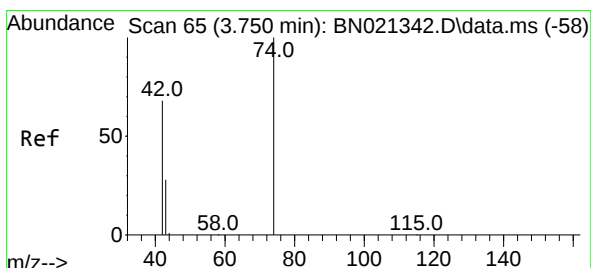
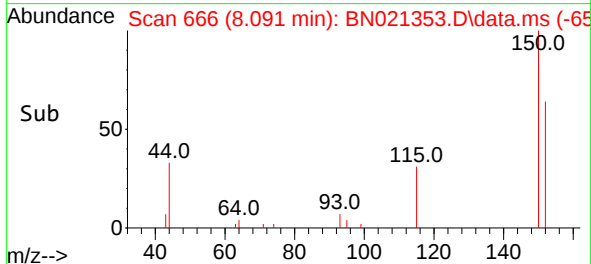
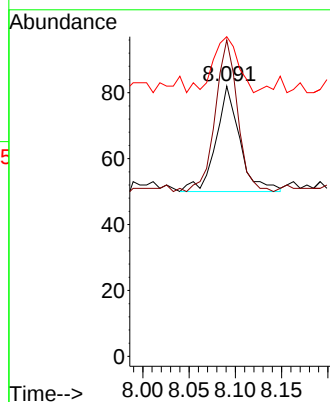


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.091 min Scan# 60
Delta R.T. 0.001 min
Lab File: BN021353.D
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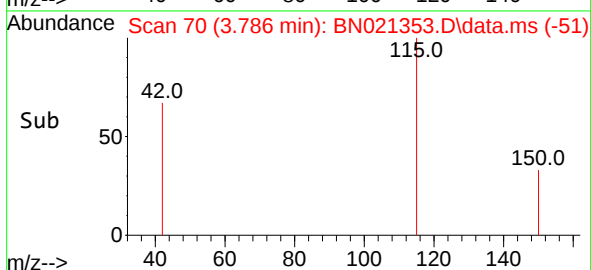
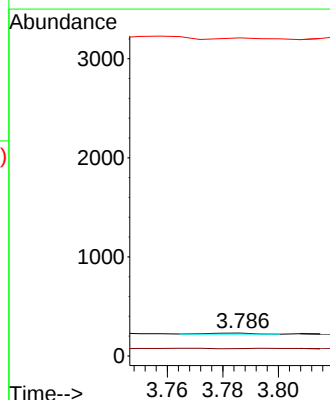
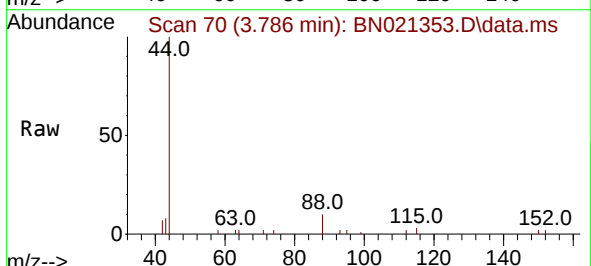


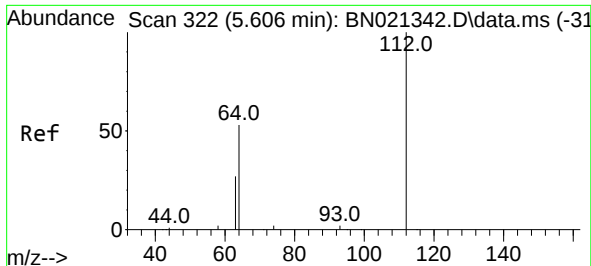
Tgt Ion: 152 Resp: 58
Ion Ratio Lower Upper
152 100
150 117.1 121.4 182.0#
115 118.3 48.6 72.8#



#3
n-Nitrosodimethylamine
Concen: 0.156 ng
RT: 3.786 min Scan# 70
Delta R.T. 0.036 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

Tgt Ion: 42 Resp: 12
Ion Ratio Lower Upper
42 100
74 41.7 113.0 169.6#
44 133.3 10.5 15.7#

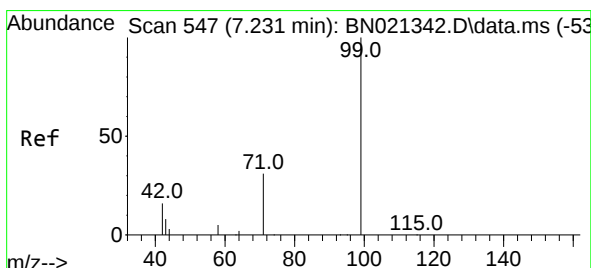
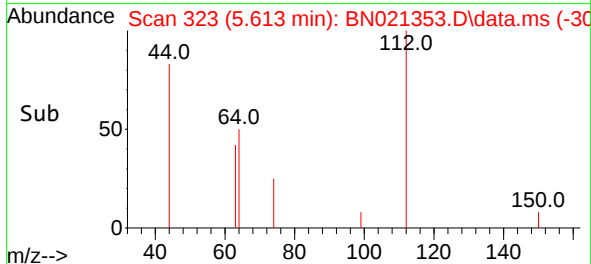
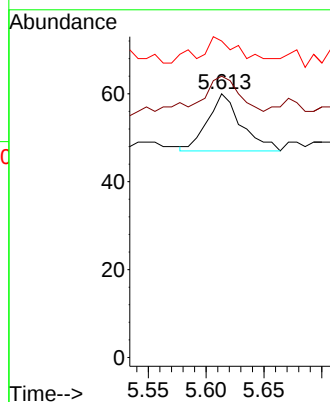
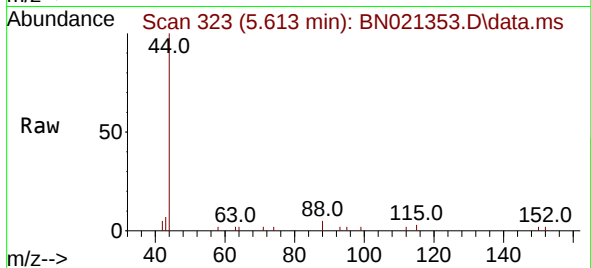




#4
2-Fluorophenol
Concen: 0.166 ng
RT: 5.613 min Scan# 31
Delta R.T. 0.007 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

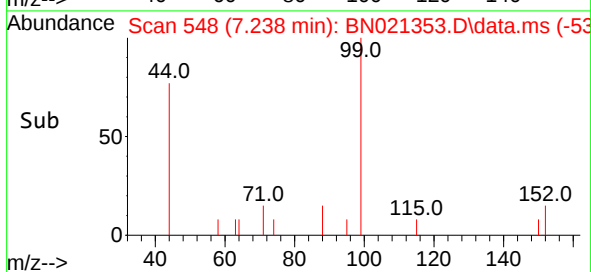
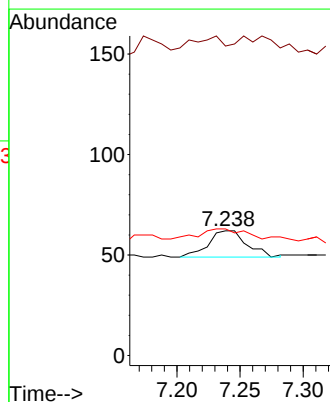
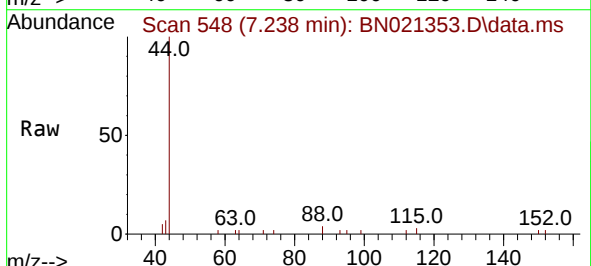
Instrument :
BNA_N
ClientSampleId :
MW178S-20220816

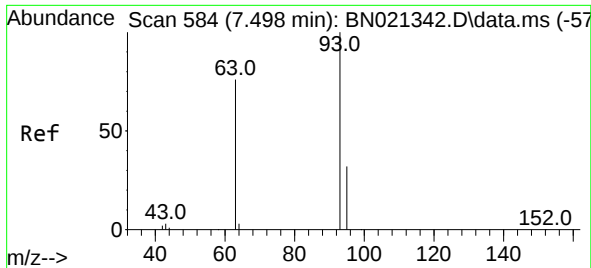
Tgt Ion:112 Resp: 26
Ion Ratio Lower Upper
112 100
64 92.3 43.5 65.3#
63 50.0 22.6 34.0#



#5
Phenol-d6
Concen: 0.142 ng
RT: 7.238 min Scan# 548
Delta R.T. 0.007 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

Tgt Ion: 99 Resp: 28
Ion Ratio Lower Upper
99 100
42 42.9 15.5 23.3#
71 75.0 24.2 36.2#

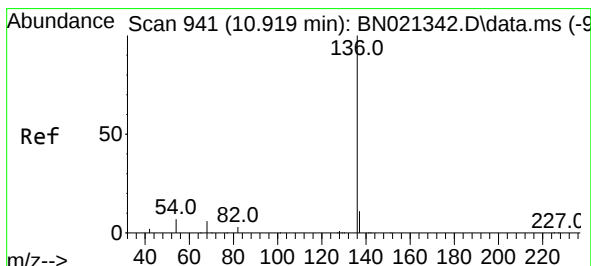
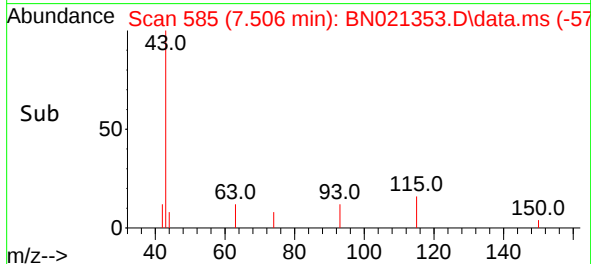
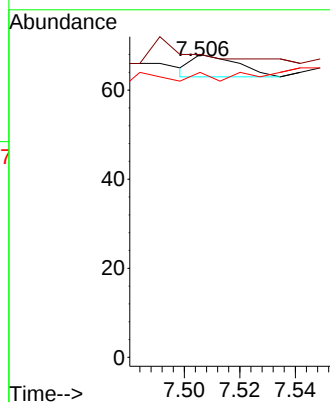
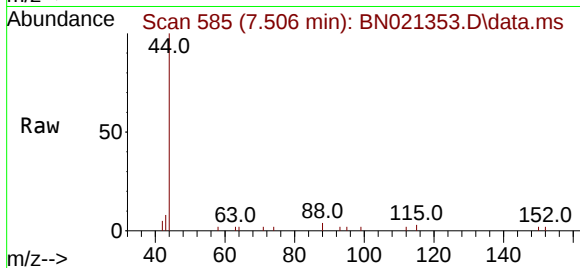




#6
bis(2-Chloroethyl)ether
Concen: 0.030 ng
RT: 7.506 min Scan# 584
Delta R.T. 0.007 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

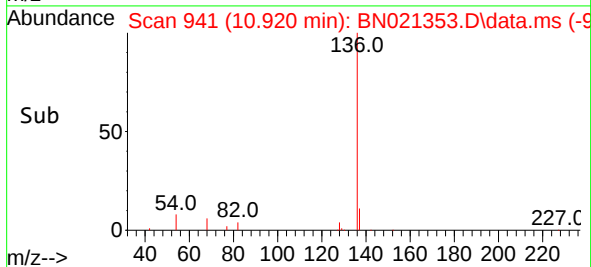
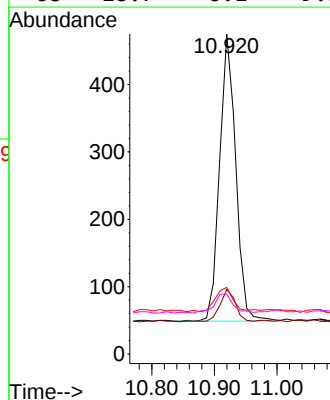
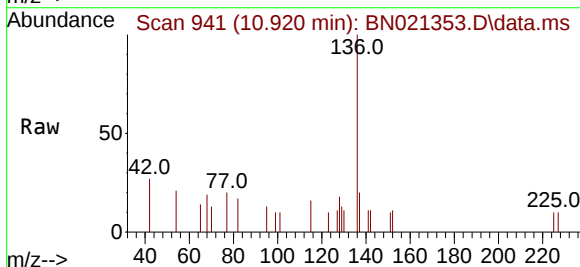
Instrument :
BNA_N
ClientSampleId :
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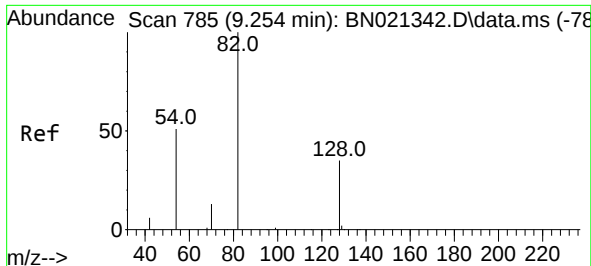
Tgt Ion: 93 Resp: 6
Ion Ratio Lower Upper
93 100
63 350.0 57.8 86.8#
95 16.7 25.9 38.9#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.920 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

Tgt Ion: 136 Resp: 765
Ion Ratio Lower Upper
136 100
137 20.2 9.3 13.9#
54 20.8 6.9 10.3#
68 18.7 6.1 9.1#

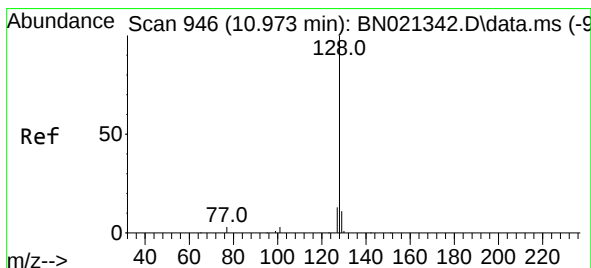
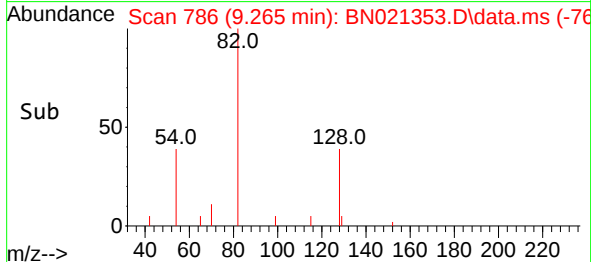
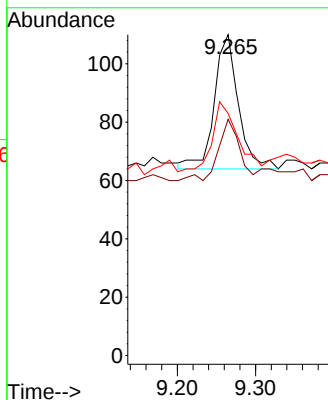
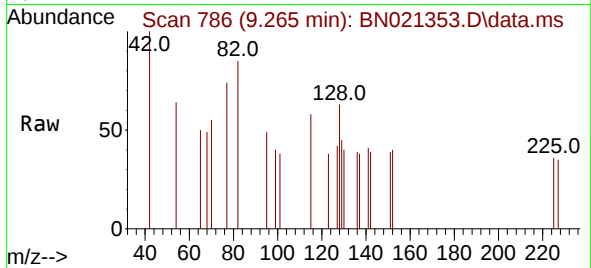




#8
Nitrobenzene-d5
Concen: 0.169 ng
RT: 9.265 min Scan# 785
Delta R.T. 0.011 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

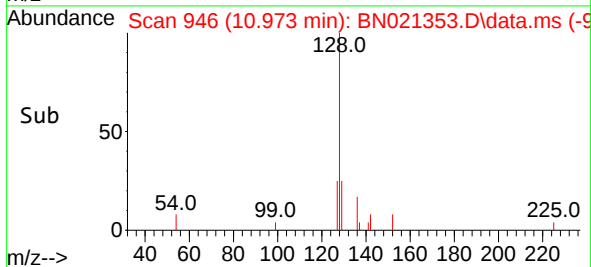
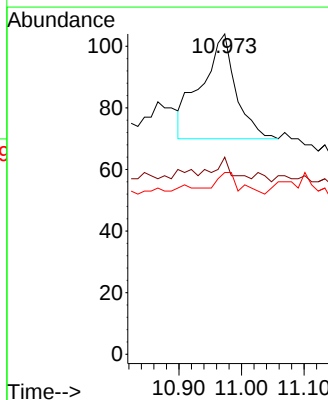
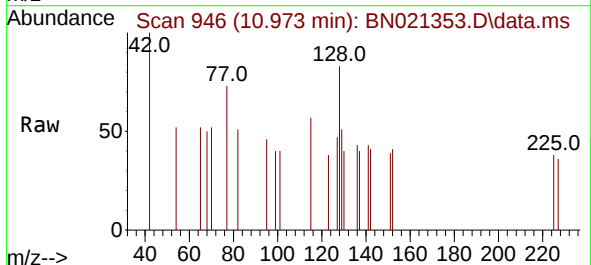
Instrument :
BNA_N
ClientSampleId :
MW178S-20220816

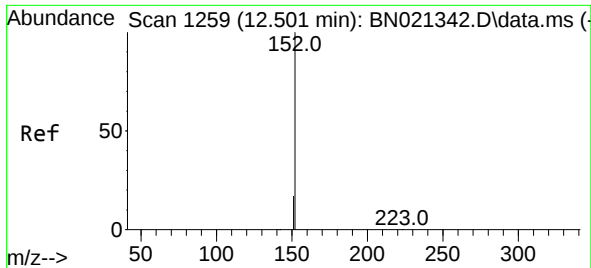
Tgt Ion: 82 Resp: 98
Ion Ratio Lower Upper
82 100
128 73.6 30.9 46.3#
54 75.5 42.7 64.1#



#9
Naphthalene
Concen: 0.052 ng
RT: 10.973 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

Tgt Ion: 128 Resp: 131
Ion Ratio Lower Upper
128 100
129 61.5 9.3 13.9#
127 56.7 11.0 16.4#

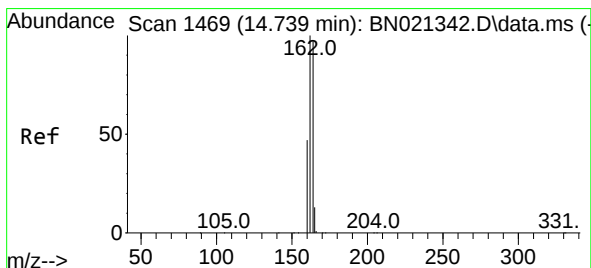
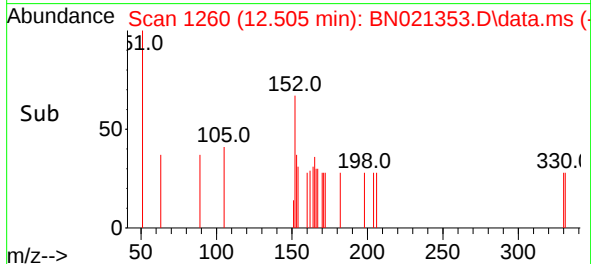
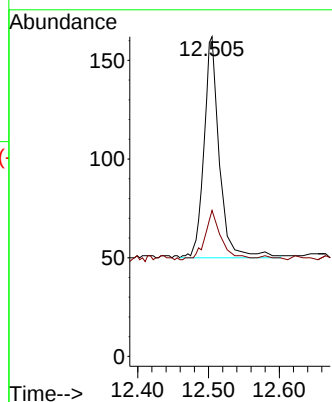
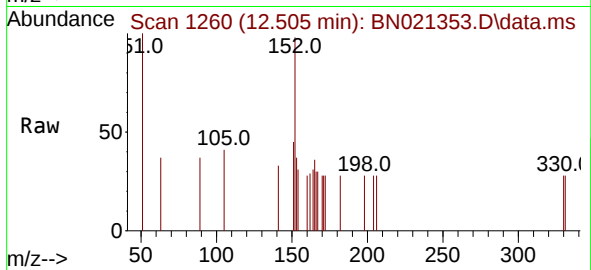




#11
2-Methylnaphthalene-d10
Concen: 0.159 ng
RT: 12.505 min Scan# 1260
Delta R.T. 0.004 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

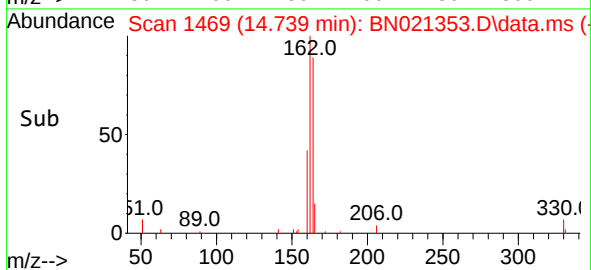
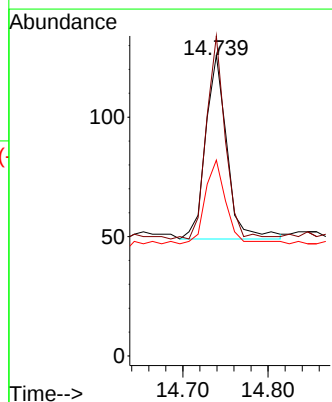
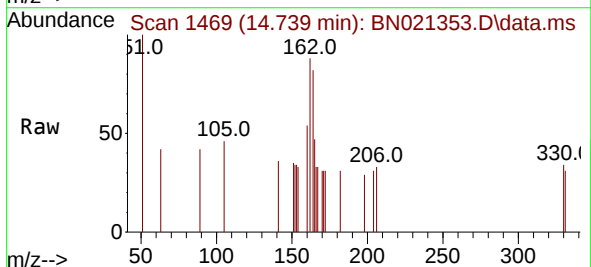
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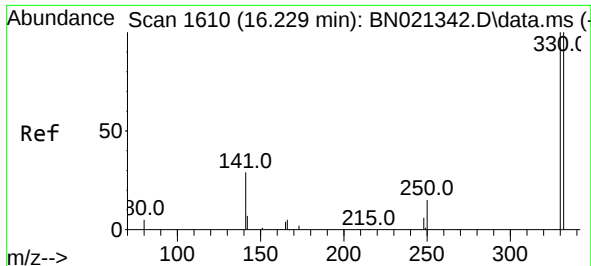
Tgt Ion:152 Resp: 205
Ion Ratio Lower Upper
152 100
151 20.5 14.5 21.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.739 min Scan# 1469
Delta R.T. 0.000 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

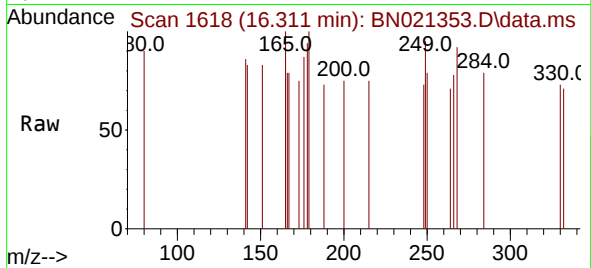
Tgt Ion:164 Resp: 135
Ion Ratio Lower Upper
164 100
162 106.3 82.2 123.4
160 65.1 39.5 59.3#



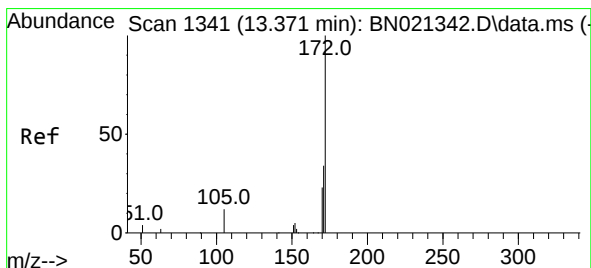
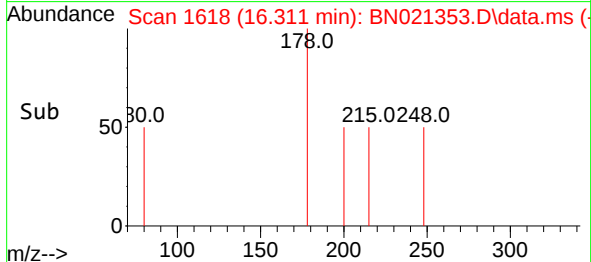
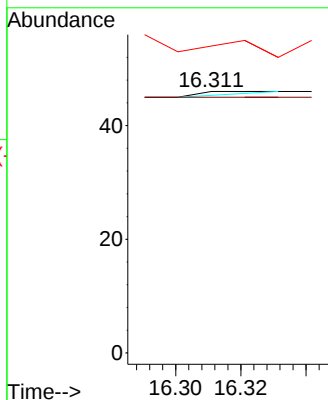


#14
2,4,6-Tribromophenol
Concen: 0.016 ng
RT: 16.311 min Scan# 1
Delta R.T. 0.082 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

Instrument :
BNA_N
ClientSampleId :
MW178S-20220816

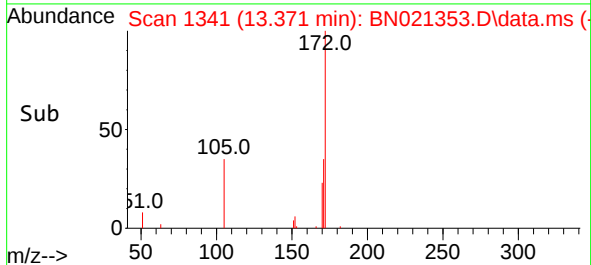
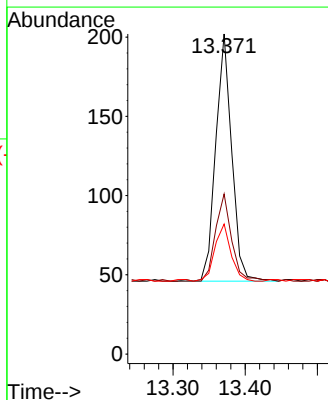
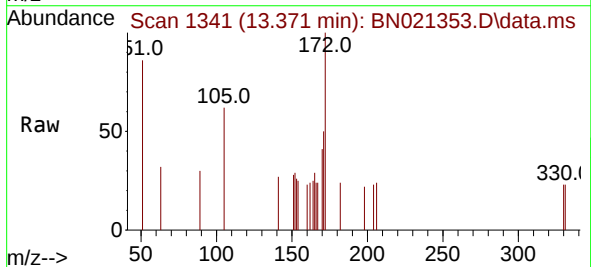


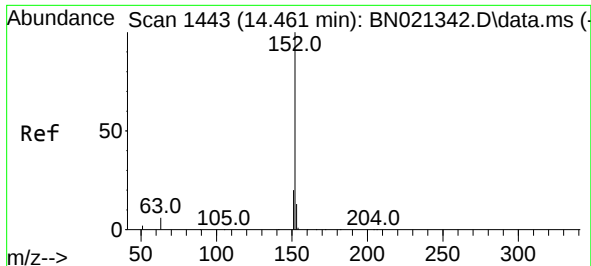
Tgt Ion:330 Resp: 1
Ion Ratio Lower Upper
330 100
332 0.0 79.3 118.9#
141 0.0 37.1 55.7#



#15
2-Fluorobiphenyl
Concen: 0.397 ng
RT: 13.371 min Scan# 1341
Delta R.T. 0.000 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

Tgt Ion:172 Resp: 240
Ion Ratio Lower Upper
172 100
171 50.0 27.8 41.6#
170 40.6 18.6 28.0#

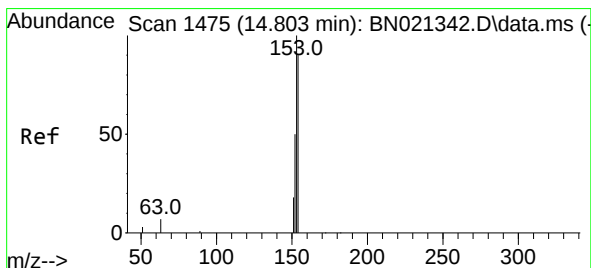
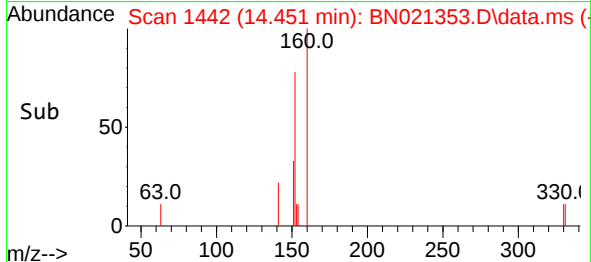
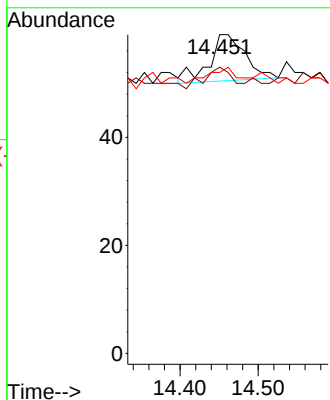
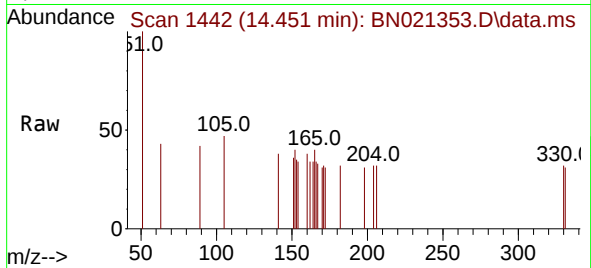




#16
Acenaphthylene
Concen: 0.041 ng
RT: 14.451 min Scan# 1442
Delta R.T. -0.010 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

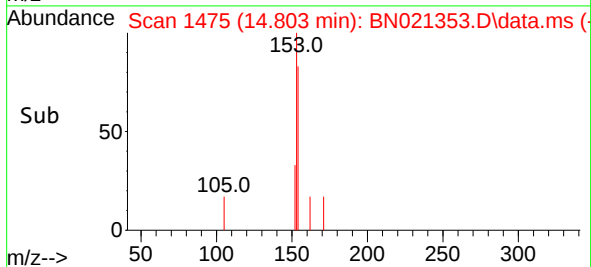
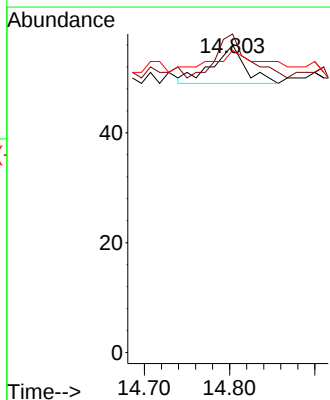
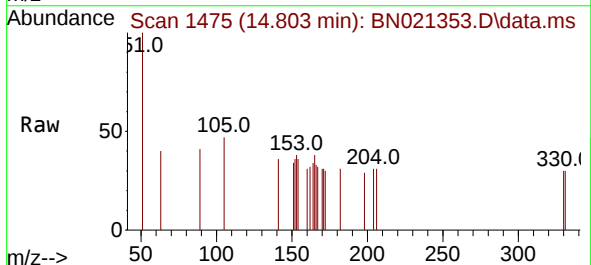
Instrument :
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ClientSampleId :
MW178S-20220816

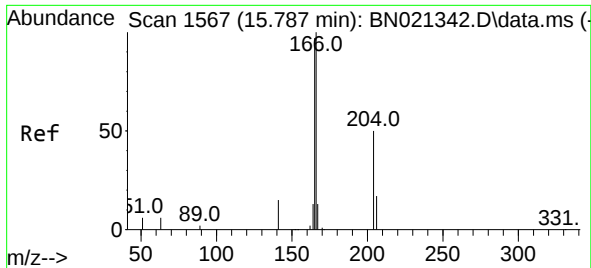
Tgt Ion:152 Resp: 28
Ion Ratio Lower Upper
152 100
151 35.7 15.4 23.2#
153 32.1 10.3 15.5#



#17
Acenaphthene
Concen: 0.040 ng
RT: 14.803 min Scan# 1475
Delta R.T. 0.000 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

Tgt Ion:154 Resp: 19
Ion Ratio Lower Upper
154 100
153 110.5 89.5 134.3
152 63.2 45.5 68.3

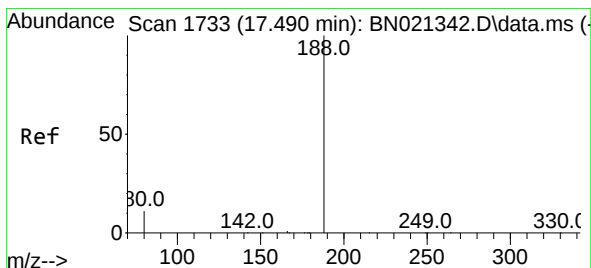
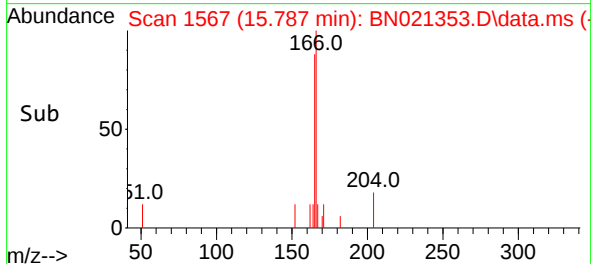
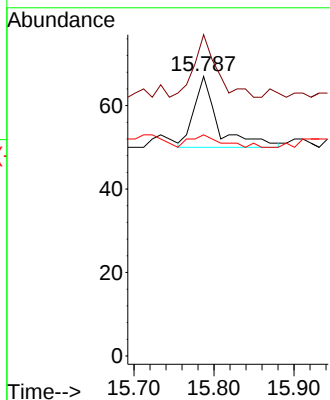
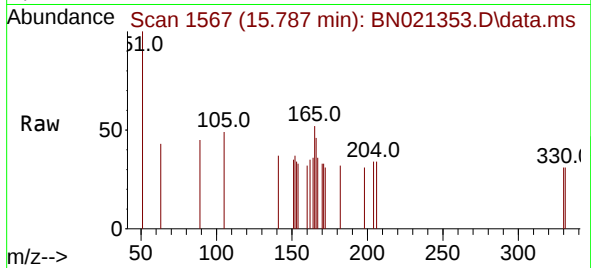




#18
Fluorene
Concen: 0.059 ng
RT: 15.787 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

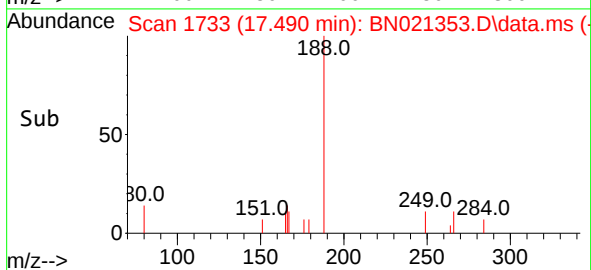
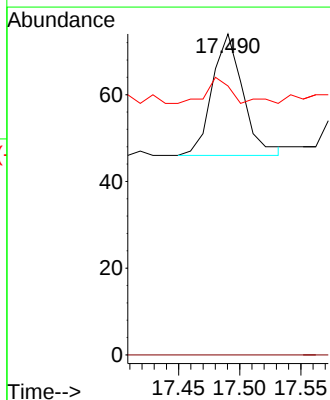
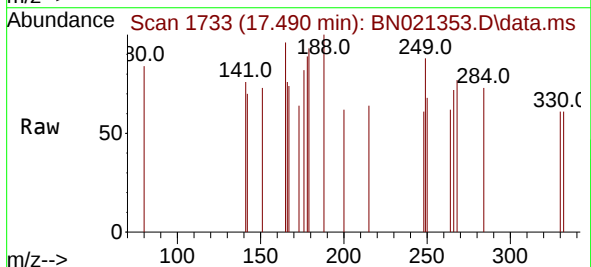
Instrument :
BNA_N
ClientSampleId :
MW178S-20220816

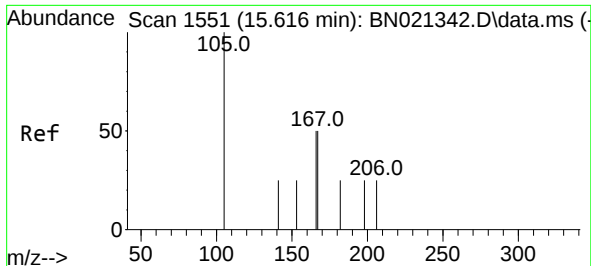
Tgt Ion:166 Resp: 35
Ion Ratio Lower Upper
166 100
165 108.6 78.7 118.1
167 22.9 10.6 16.0#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.490 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

Tgt Ion:188 Resp: 49
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 83.8 9.5 14.3#

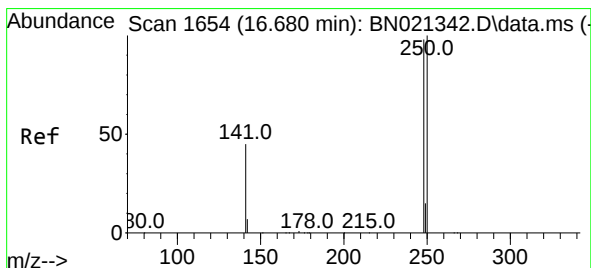
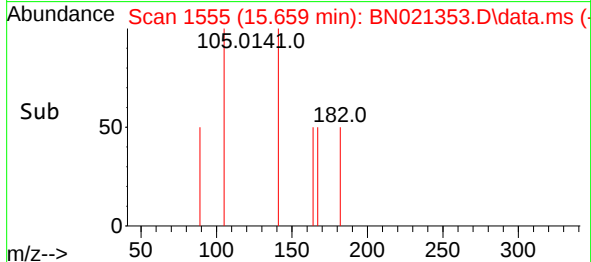
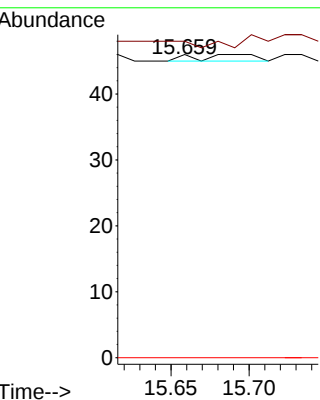
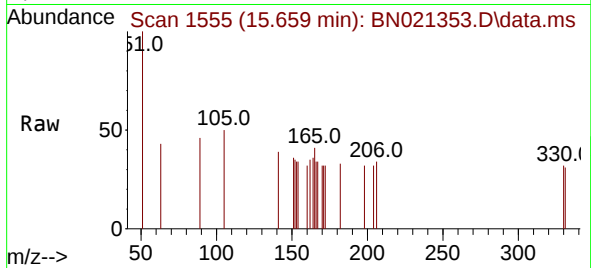




#20
4,6-Dinitro-2-methylphenol
Concen: 46.606 ng
RT: 15.659 min Scan# 1555
Delta R.T. 0.043 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

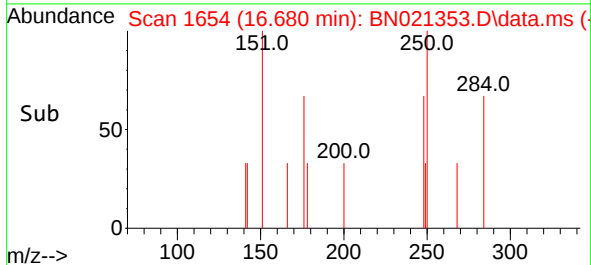
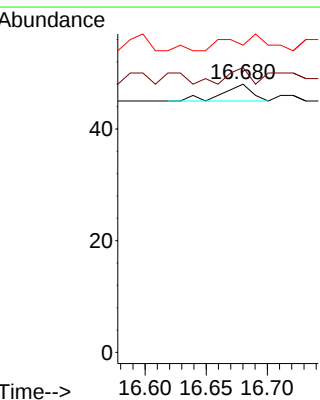
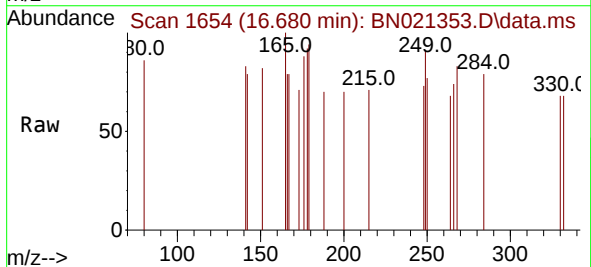
Instrument :
BNA_N
ClientSampleId :
MW178S-20220816

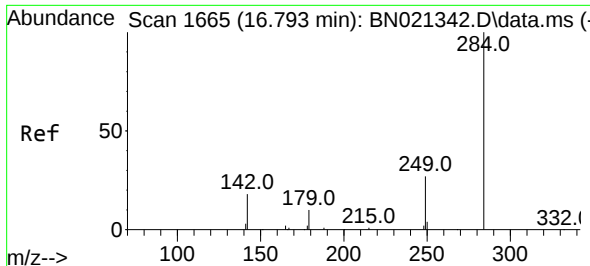
Tgt Ion:198 Resp: 3
Ion Ratio Lower Upper
198 100
182 104.3 86.6 130.0
77 0.0 0.0 0.0



#21
4-Bromophenyl-phenylether
Concen: 0.149 ng
RT: 16.680 min Scan# 1654
Delta R.T. 0.000 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

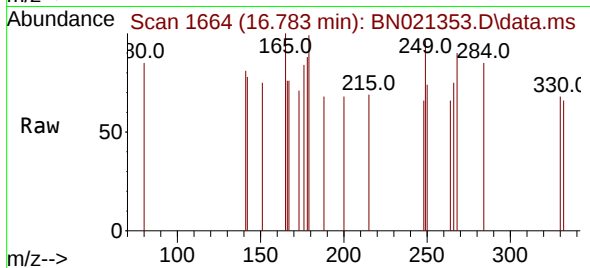
Tgt Ion:248 Resp: 5
Ion Ratio Lower Upper
248 100
250 106.3 81.8 122.6
141 114.6 38.5 57.7#



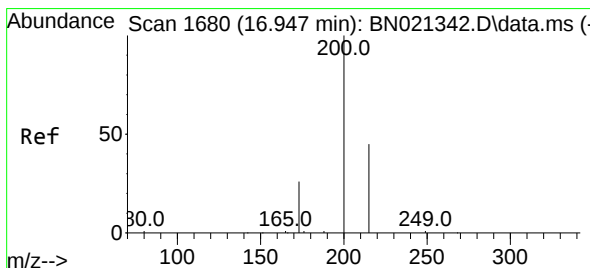
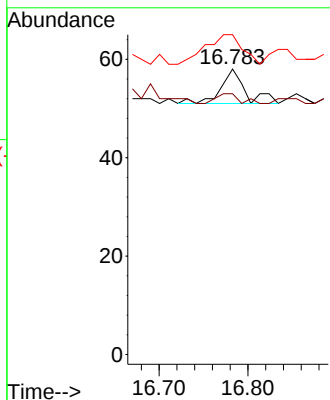
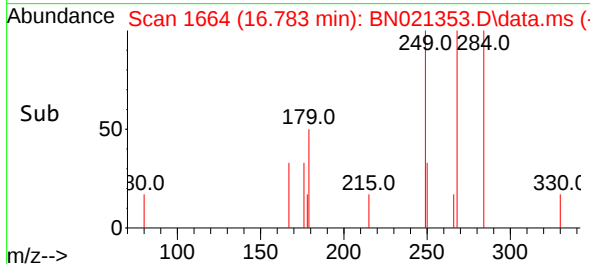


#22
Hexachlorobenzene
Concen: 0.360 ng
RT: 16.783 min Scan# 1664
Delta R.T. -0.010 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

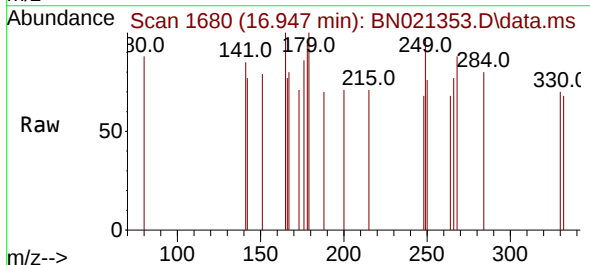
Instrument :
BNA_N
ClientSampleId :
MW178S-20220816



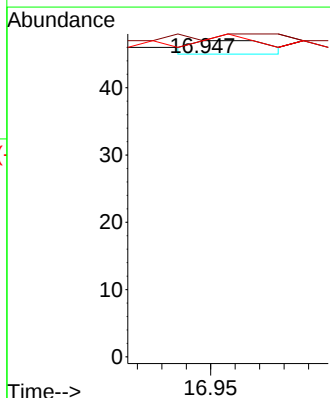
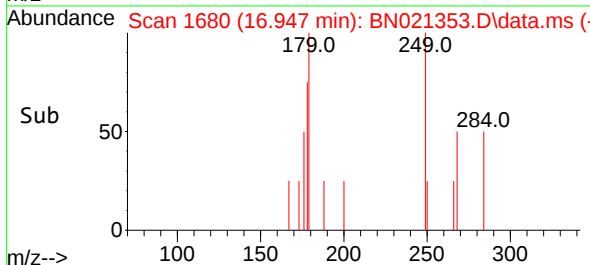
Tgt Ion:284 Resp: 14
Ion Ratio Lower Upper
284 100
142 28.6 32.3 48.5#
249 121.4 25.4 38.2#

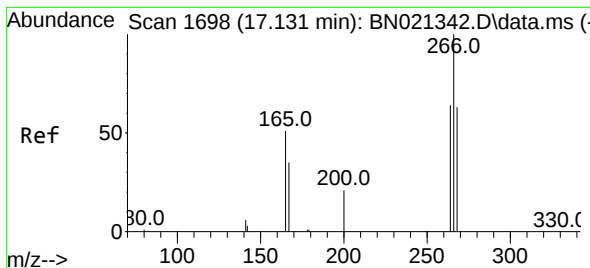


#23
Atrazine
Concen: 0.189 ng
RT: 16.947 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32



Tgt Ion:200 Resp: 4
Ion Ratio Lower Upper
200 100
173 100.0 24.3 36.5#
215 100.0 38.4 57.6#





#24

Pentachlorophenol

Concen: 2.007 ng

RT: 17.131 min Scan# 1698

Delta R.T. 0.000 min

Lab File: BN021353.D

Acq: 25 Aug 2022 01:32

Instrument :

BNA_N

ClientSampleId :

MW178S-20220816

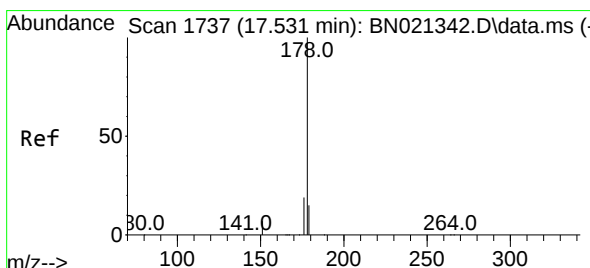
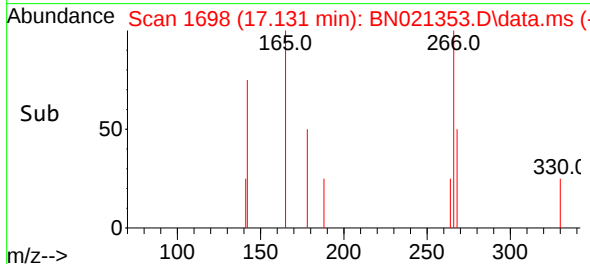
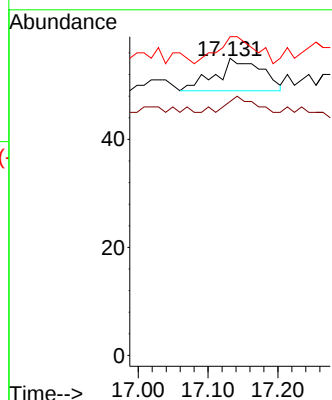
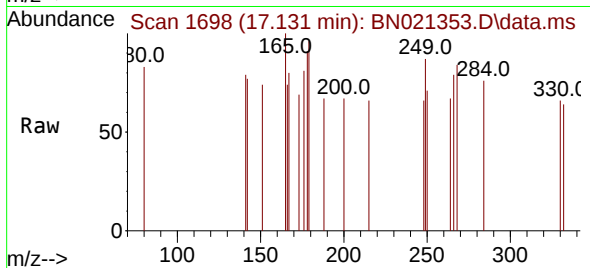
Tgt Ion:266 Resp: 27

Ion Ratio Lower Upper

266 100

264 29.6 49.0 73.6#

268 0.0 50.9 76.3#



#25

Phenanthrene

Concen: 0.792 ng

RT: 17.531 min Scan# 1737

Delta R.T. 0.000 min

Lab File: BN021353.D

Acq: 25 Aug 2022 01:32

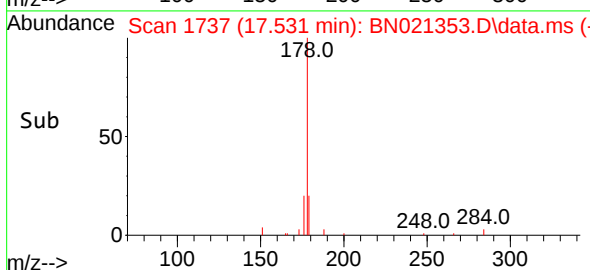
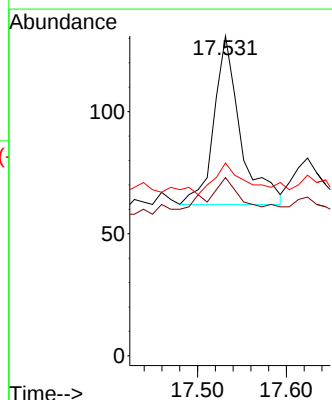
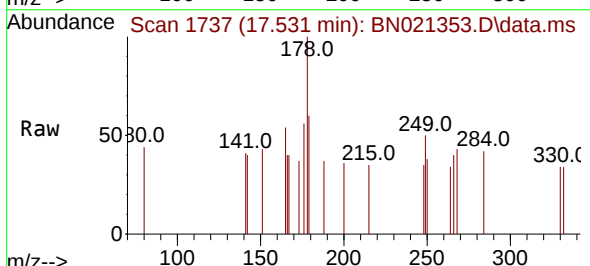
Tgt Ion:178 Resp: 142

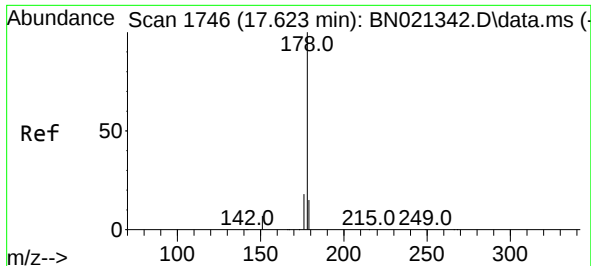
Ion Ratio Lower Upper

178 100

176 21.1 15.4 23.2

179 23.2 12.2 18.4#

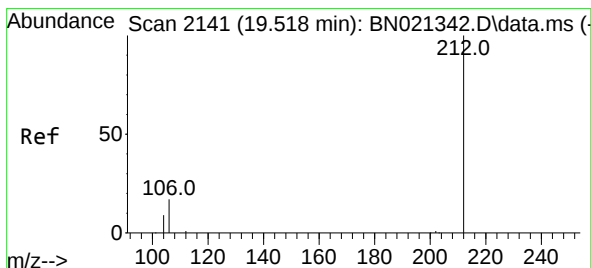
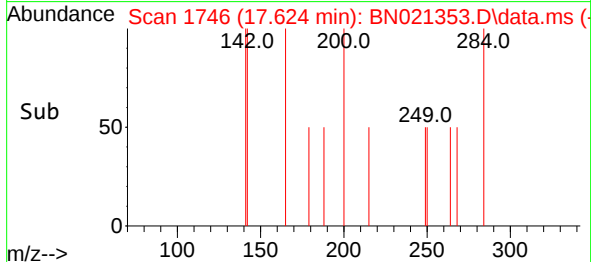
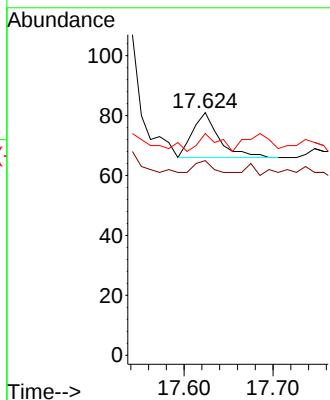
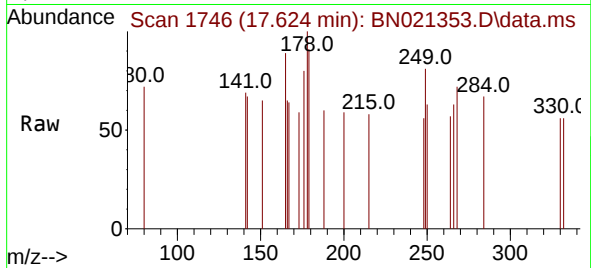




#26
 Anthracene
 Concen: 0.211 ng
 RT: 17.624 min Scan# 1746
 Delta R.T. 0.000 min
 Lab File: BN021353.D
 Acq: 25 Aug 2022 01:32

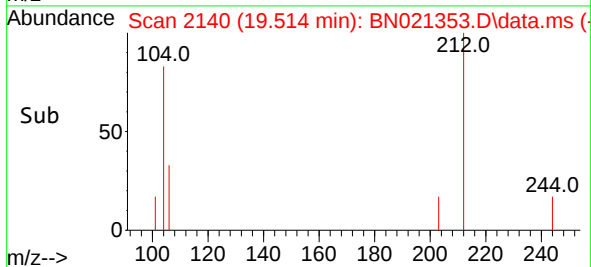
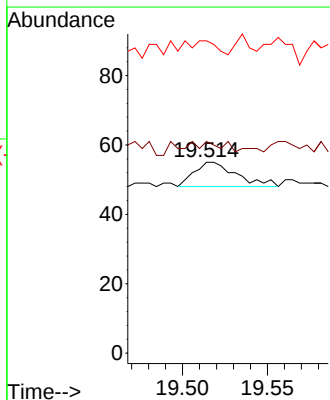
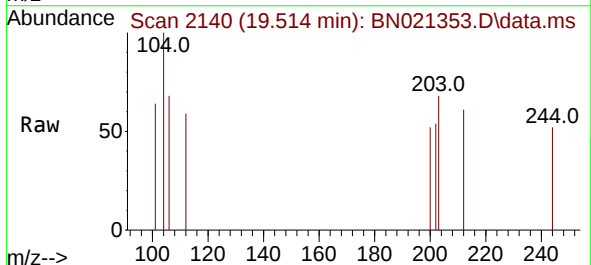
Instrument :
 BNA_N
 ClientSampleId :
 MW178S-20220816

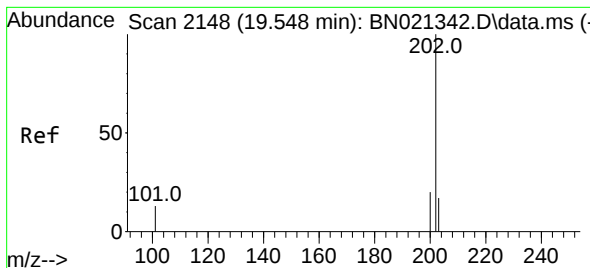
Tgt Ion:178 Resp: 31
 Ion Ratio Lower Upper
 178 100
 176 16.1 14.6 22.0
 179 29.0 12.2 18.2#



#27
 Fluoranthene-d10
 Concen: 0.082 ng
 RT: 19.514 min Scan# 2140
 Delta R.T. -0.004 min
 Lab File: BN021353.D
 Acq: 25 Aug 2022 01:32

Tgt Ion:212 Resp: 12
 Ion Ratio Lower Upper
 212 100
 106 8.3 14.2 21.2#
 104 0.0 7.8 11.6#





#28

Fluoranthene

Concen: 0.279 ng

RT: 19.548 min Scan# 2148

Delta R.T. 0.000 min

Lab File: BN021353.D

Acq: 25 Aug 2022 01:32

Instrument :

BNA_N

ClientSampleId :

MW178S-20220816

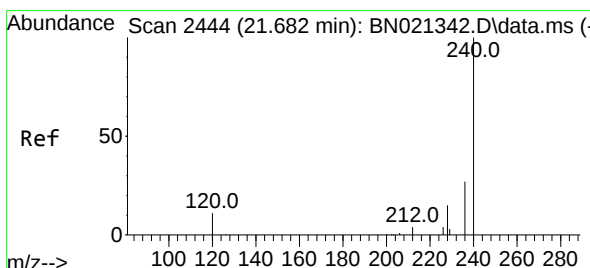
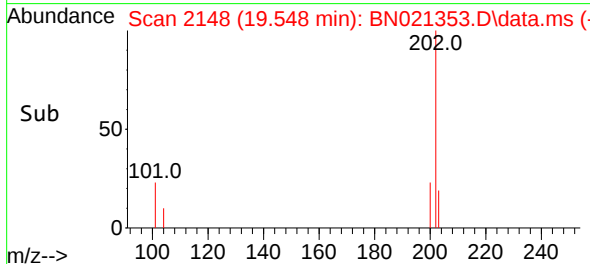
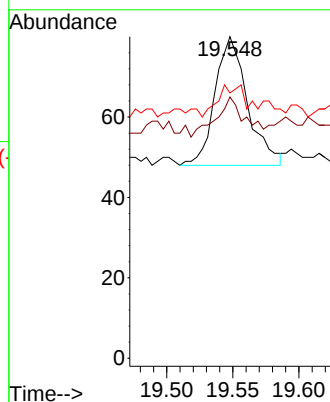
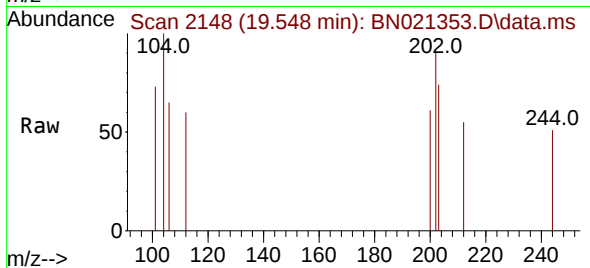
Tgt Ion:202 Resp: 55

Ion Ratio Lower Upper

202 100

101 27.3 10.9 16.3#

203 21.8 13.8 20.6#



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.673 min Scan# 2443

Delta R.T. -0.009 min

Lab File: BN021353.D

Acq: 25 Aug 2022 01:32

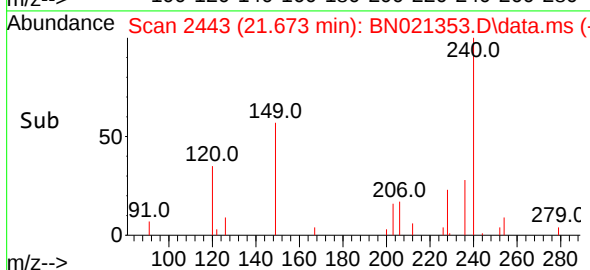
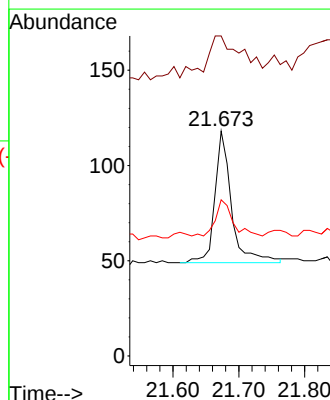
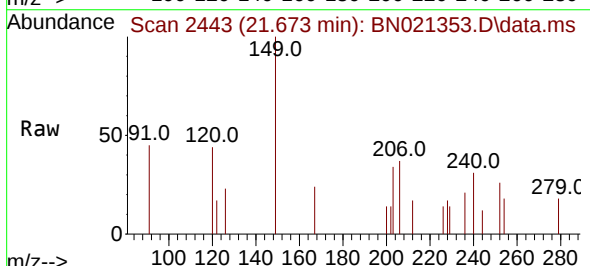
Tgt Ion:240 Resp: 121

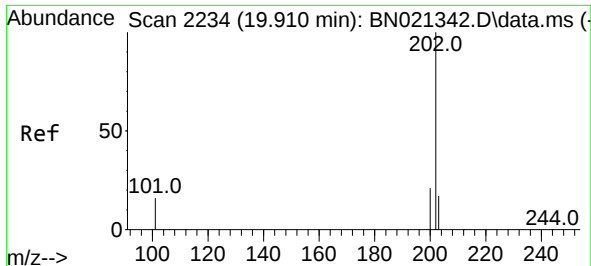
Ion Ratio Lower Upper

240 100

120 142.4 10.2 15.4#

236 69.5 22.1 33.1#

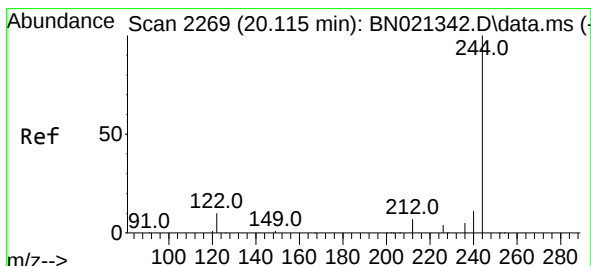
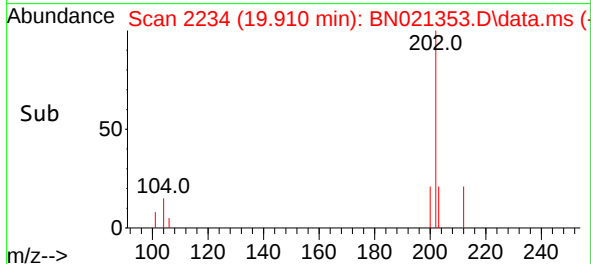
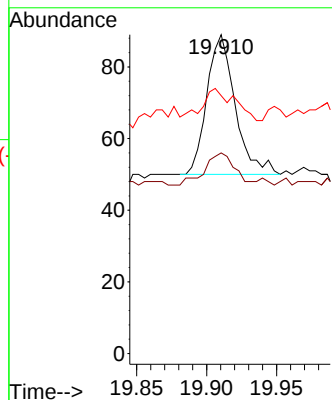
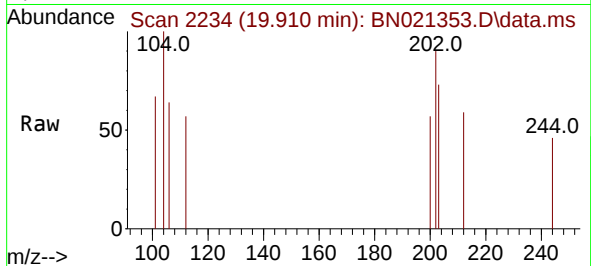




#30
Pyrene
Concen: 0.090 ng
RT: 19.910 min Scan# 2234
Delta R.T. 0.000 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

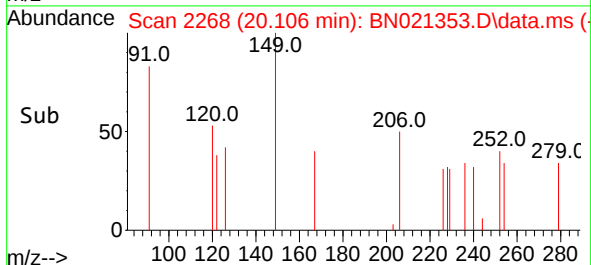
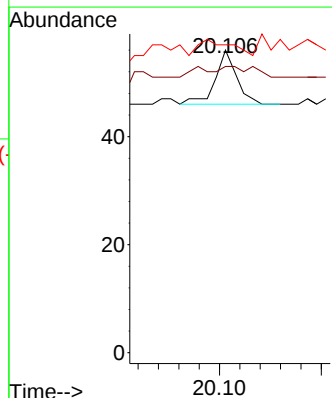
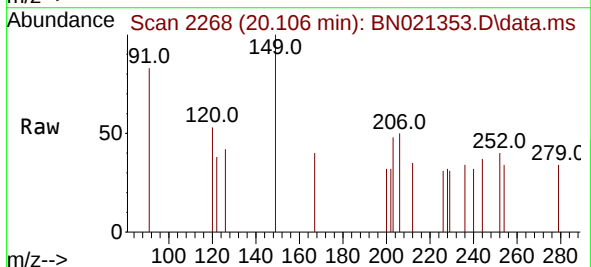
Instrument :
BNA_N
ClientSampleId :
MW178S-20220816

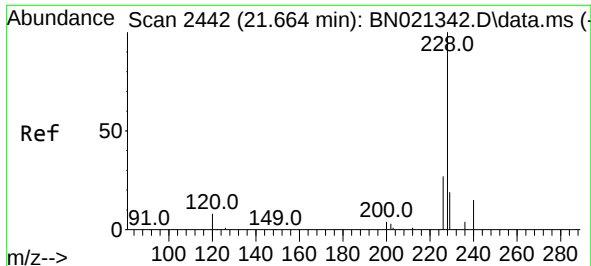
Tgt Ion:202 Resp: 55
Ion Ratio Lower Upper
202 100
200 23.6 13.9 20.9#
203 25.5 11.9 17.9#



#31
Terphenyl-d14
Concen: 0.059 ng
RT: 20.106 min Scan# 2268
Delta R.T. -0.009 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

Tgt Ion:244 Resp: 15
Ion Ratio Lower Upper
244 100
212 94.6 6.5 9.7#
122 101.8 9.1 13.7#

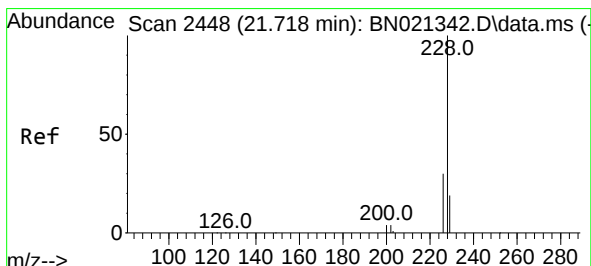
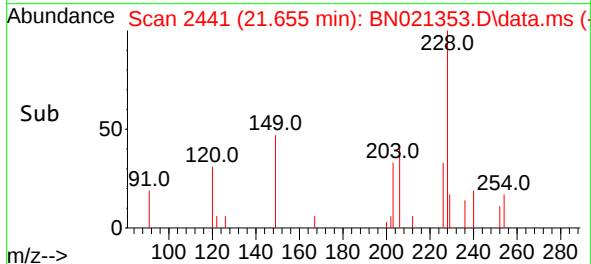
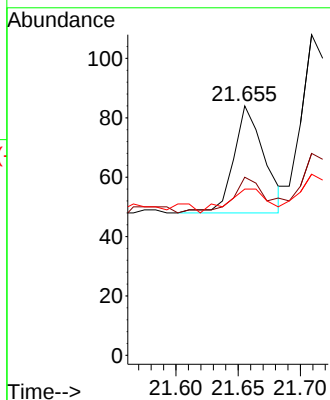
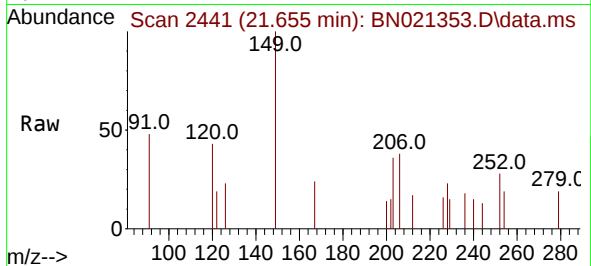




#32
Benzo(a)anthracene
Concen: 0.133 ng
RT: 21.655 min Scan# 2441
Delta R.T. -0.009 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

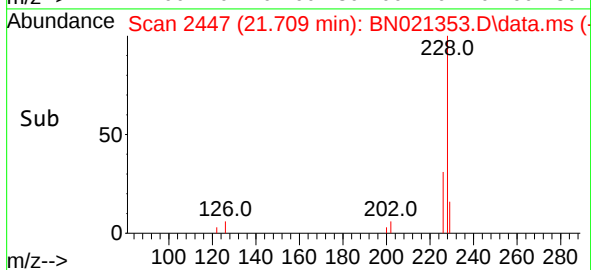
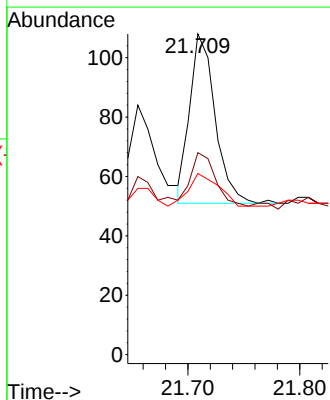
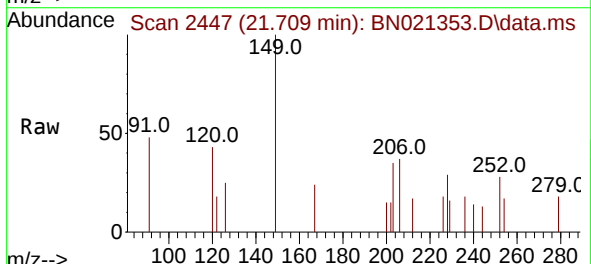
Instrument :
BNA_N
ClientSampleId :
MW178S-20220816

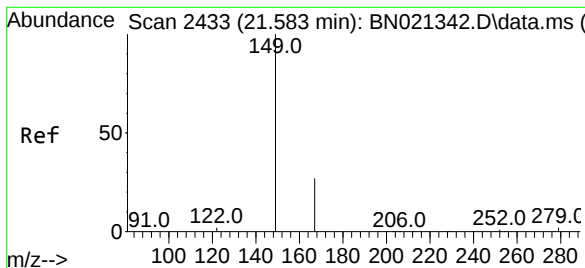
Tgt Ion:228 Resp: 61
Ion Ratio Lower Upper
228 100
226 71.4 22.0 33.0#
229 66.7 15.9 23.9#



#33
Chrysene
Concen: 0.180 ng
RT: 21.709 min Scan# 2447
Delta R.T. -0.009 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

Tgt Ion:228 Resp: 90
Ion Ratio Lower Upper
228 100
226 63.0 24.2 36.2#
229 56.5 15.9 23.9#

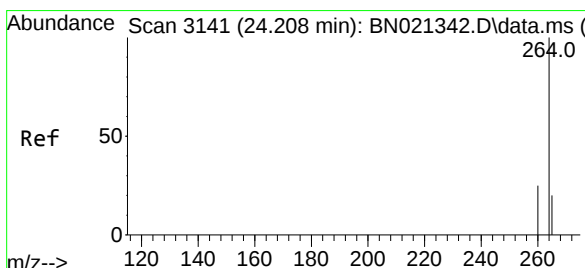
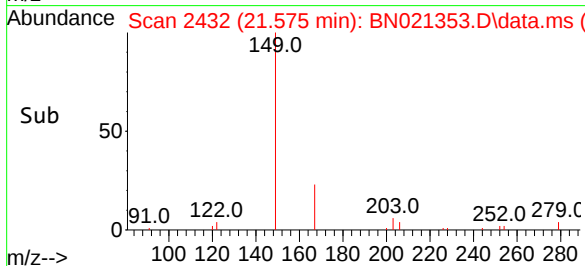
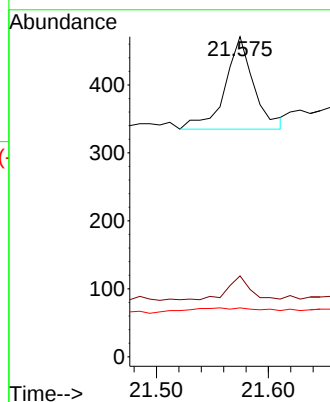
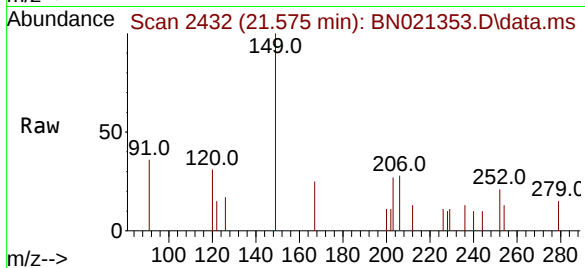




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 1.100 ng
 RT: 21.575 min Scan# 2433
 Delta R.T. -0.009 min
 Lab File: BN021353.D
 Acq: 25 Aug 2022 01:32

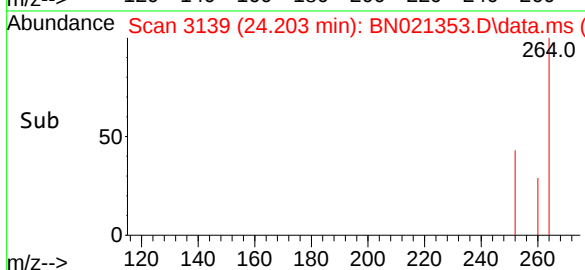
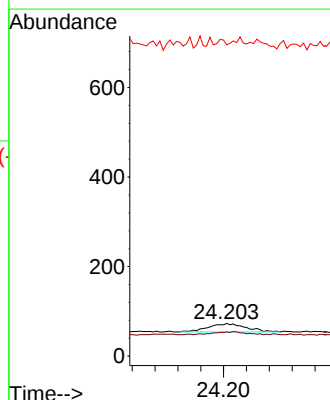
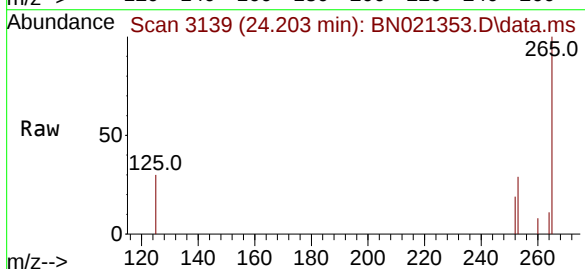
Instrument :
 BNA_N
 ClientSampleId :
 MW178S-20220816

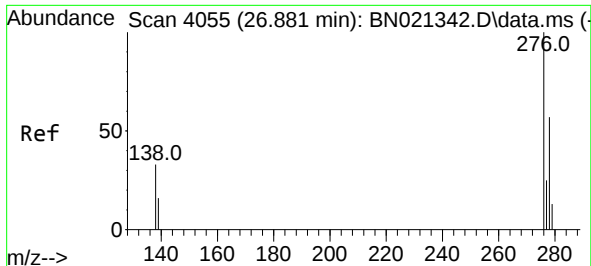
Tgt Ion:149 Resp: 243
 Ion Ratio Lower Upper
 149 100
 167 22.2 21.4 32.0
 279 16.0 2.2 3.2#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.203 min Scan# 3139
 Delta R.T. -0.006 min
 Lab File: BN021353.D
 Acq: 25 Aug 2022 01:32

Tgt Ion:264 Resp: 43
 Ion Ratio Lower Upper
 264 100
 260 74.0 21.0 31.6#
 265 952.1 32.2 48.2#

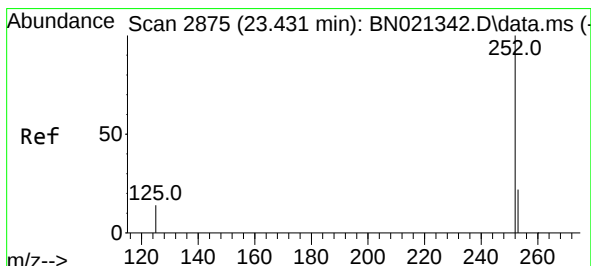
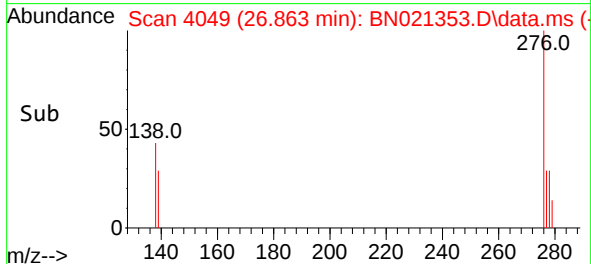
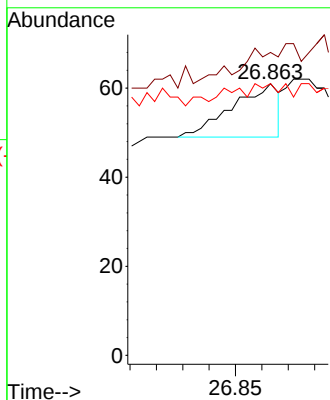
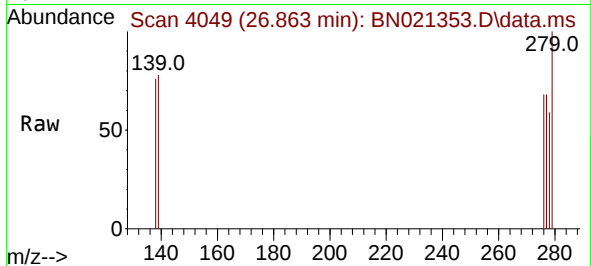




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.069 ng
RT: 26.863 min Scan# 4055
Delta R.T. -0.017 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

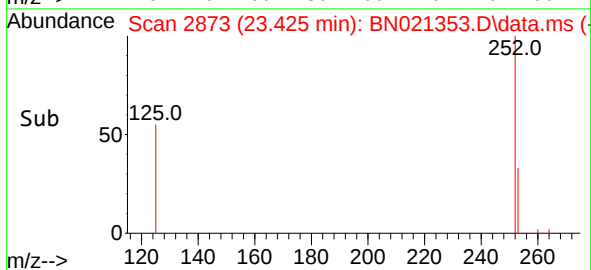
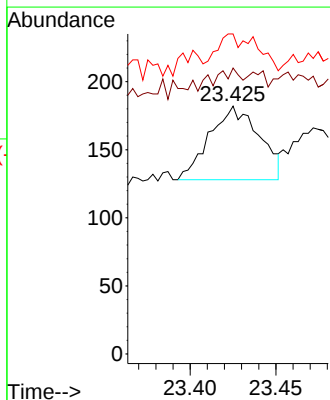
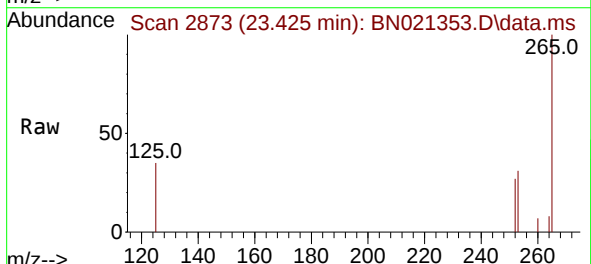
Instrument :
BNA_N
ClientSampleId :
MW178S-20220816

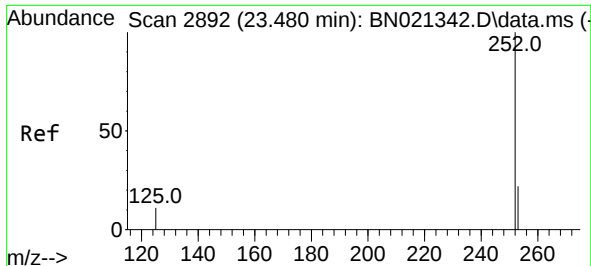
Tgt Ion:276 Resp: 15
Ion Ratio Lower Upper
276 100
138 13.3 27.4 41.2#
277 40.0 19.9 29.9#



#37
Benzo(b)fluoranthene
Concen: 0.575 ng
RT: 23.425 min Scan# 2873
Delta R.T. -0.006 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

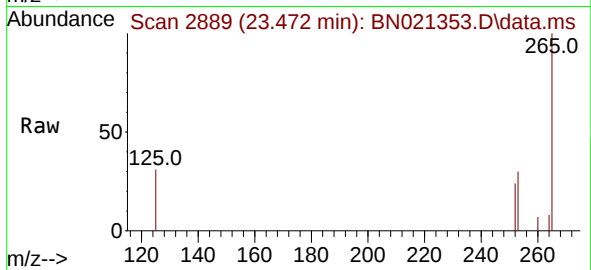
Tgt Ion:252 Resp: 109
Ion Ratio Lower Upper
252 100
253 115.4 19.8 29.6#
125 129.1 13.7 20.5#



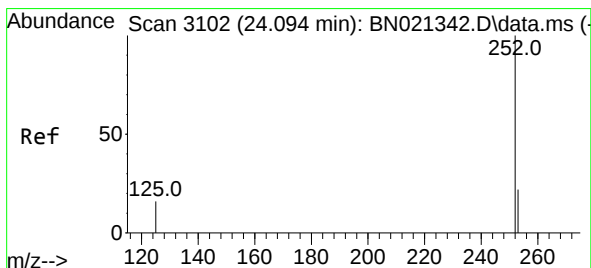
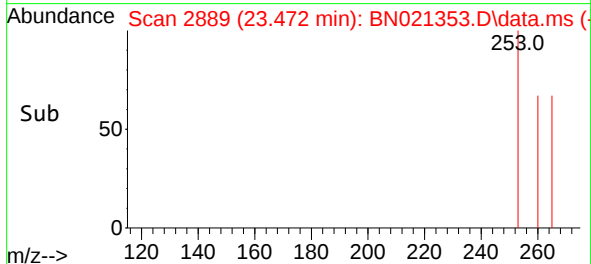
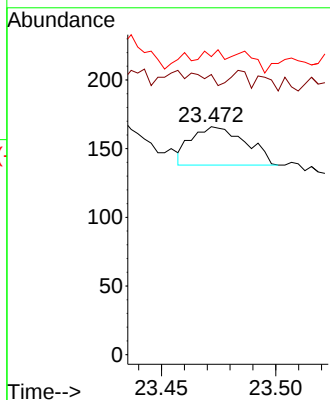


#38
Benzo(k)fluoranthene
Concen: 0.235 ng
RT: 23.472 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

Instrument :
BNA_N
ClientSampleId :
MW178S-20220816

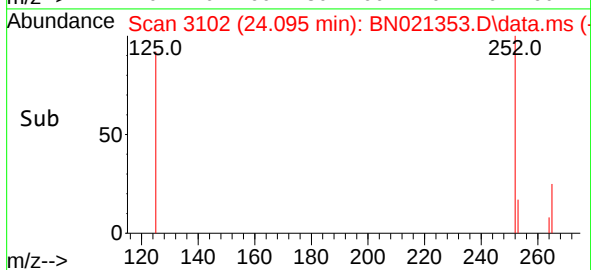
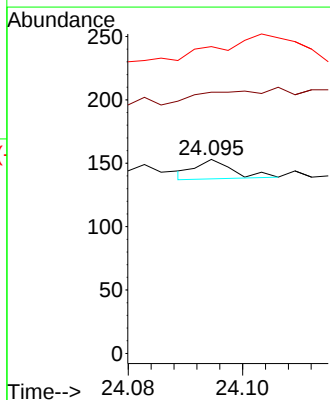
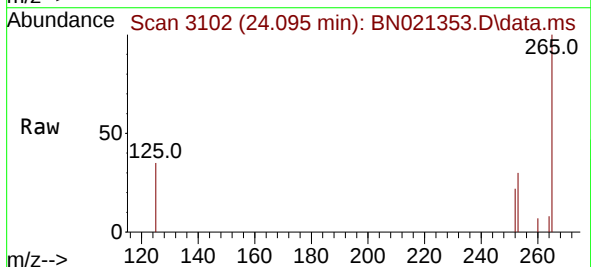


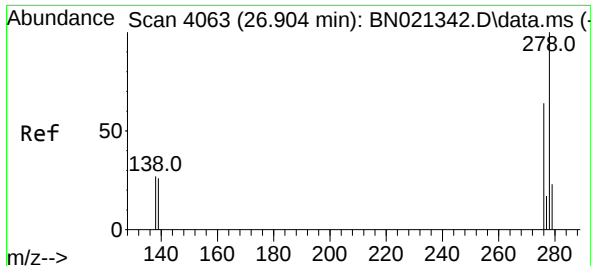
Tgt Ion:252 Resp: 46
Ion Ratio Lower Upper
252 100
253 122.9 19.5 29.3#
125 130.7 12.3 18.5#



#39
Benzo(a)pyrene
Concen: 0.045 ng
RT: 24.095 min Scan# 3102
Delta R.T. 0.000 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

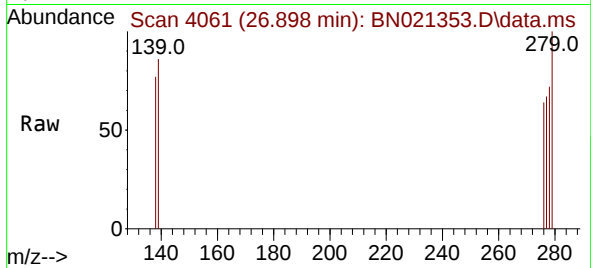
Tgt Ion:252 Resp: 7
Ion Ratio Lower Upper
252 100
253 134.6 21.1 31.7#
125 158.2 16.6 25.0#



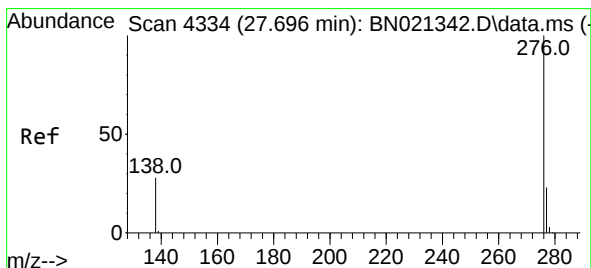
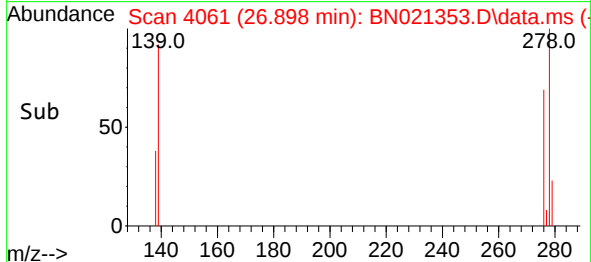
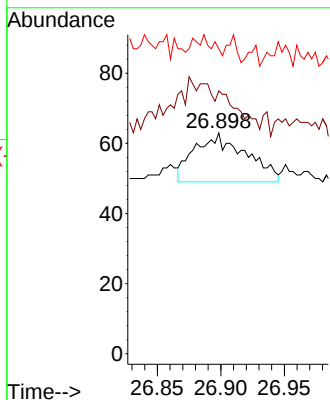


#40
Dibenzo(a,h)anthracene
Concen: 0.217 ng
RT: 26.898 min Scan# 4063
Delta R.T. -0.006 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

Instrument :
BNA_N
ClientSampleId :
MW178S-20220816



Tgt Ion:278 Resp: 39
Ion Ratio Lower Upper
278 100
139 119.0 21.8 32.6#
279 138.1 20.4 30.6#



#41
Benzo(g,h,i)perylene
Concen: 0.127 ng
RT: 27.688 min Scan# 4331
Delta R.T. -0.009 min
Lab File: BN021353.D
Acq: 25 Aug 2022 01:32

Tgt Ion:276 Resp: 24
Ion Ratio Lower Upper
276 100
277 95.2 19.7 29.5#
138 107.9 23.7 35.5#

