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 Data File : BN018918.D
 Acq On : 11 Mar 2022 00:24
 Operator : CG/JU
 Sample : N1862-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

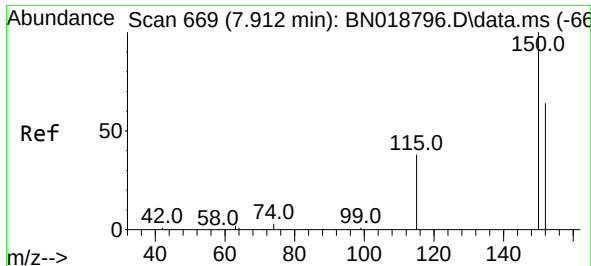
Instrument :
 BNA_N
 ClientSampleId :
 V-2-0309-4A

Quant Time: Mar 11 03:06:04 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN030322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 11 03:02:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	6207	0.400	ng	0.00
7) Naphthalene-d8	10.712	136	18874	0.400	ng	# 0.00
13) Acenaphthene-d10	14.538	164	11898	0.400	ng	0.00
19) Phenanthrene-d10	17.277	188	24102	0.400	ng	0.00
29) Chrysene-d12	21.449	240	20904	0.400	ng	# 0.00
35) Perylene-d12	23.846	264	17689	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.464	112	350	0.026	ng	0.00
5) Phenol-d6	7.060	99	4308	0.265	ng	0.00
8) Nitrobenzene-d5	9.057	82	4421	0.321	ng	0.00
11) 2-Methylnaphthalene-d10	12.299	152	7731	0.251	ng	0.00
14) 2,4,6-Tribromophenol	16.026	330	49	0.009	ng	0.00
15) 2-Fluorobiphenyl	13.159	172	11472	0.225	ng	-0.01
27) Fluoranthene-d10	19.303	212	18249	0.257	ng	0.00
31) Terphenyl-d14	19.893	244	11601	0.260	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.312	88	236	0.034	ng	# 1
6) bis(2-Chloroethyl)ether	7.349	93	831	0.047	ng	# 19
9) Naphthalene	10.754	128	212310	3.925	ng	100
12) 2-Methylnaphthalene	12.371	142	123105	3.267	ng	99
16) Acenaphthylene	14.260	152	85363	1.573	ng	97
17) Acenaphthene	14.591	154	133502	3.466	ng	98
18) Fluorene	15.575	166	165255	3.299	ng	99
20) 4,6-Dinitro-2-methylph...	15.628	198	116	0.129	ng	# 1
23) Atrazine	16.733	200	267	0.028	ng	# 1
24) Pentachlorophenol	16.928	266	211	0.246	ng	95
25) Phenanthrene	17.318	178	1497355	18.708	ng	100
26) Anthracene	17.410	178	362473	5.377	ng	# 94
28) Fluoranthene	19.333	202	1711025	18.810	ng	98
30) Pyrene	19.695	202	1419670	15.211	ng	# 93
32) Benzo(a)anthracene	21.431	228	724797	9.232	ng	98
33) Chrysene	21.485	228	625153	7.247	ng	96
34) Bis(2-ethylhexyl)phtha...	21.360	149	85993	1.773	ng	# 95
36) Indeno(1,2,3-cd)pyrene	26.325	276	277370	3.489	ng	# 92
37) Benzo(b)fluoranthene	23.118	252	678015	8.234	ng	98
39) Benzo(a)pyrene	23.738	252	486482	7.689	ng	96
40) Dibenzo(a,h)anthracene	26.331	278	69099	1.134	ng	# 84
41) Benzo(g,h,i)perylene	27.085	276	263533	4.026	ng	97

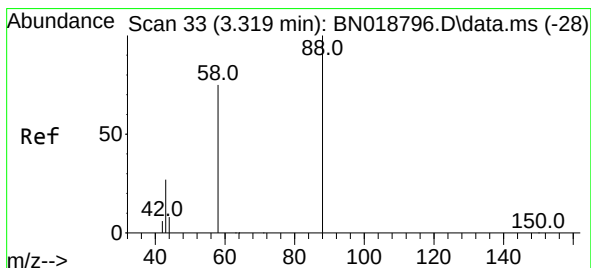
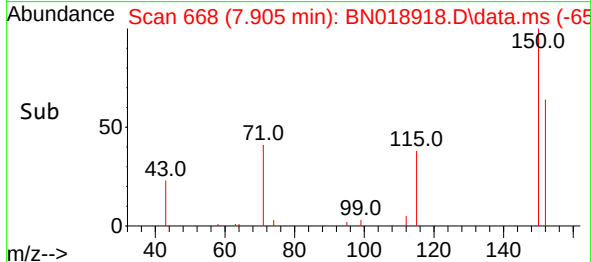
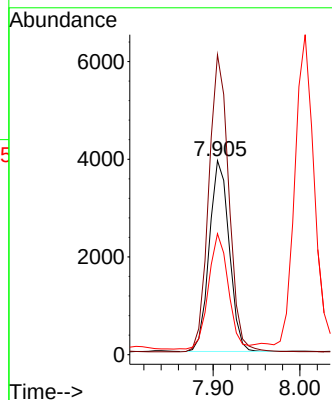
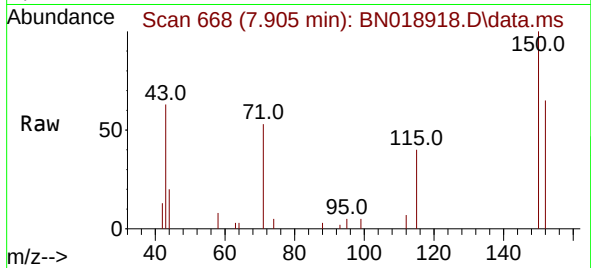
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.905 min Scan# 6
 Delta R.T. -0.007 min
 Lab File: BN018918.D
 Acq: 11 Mar 2022 00:24

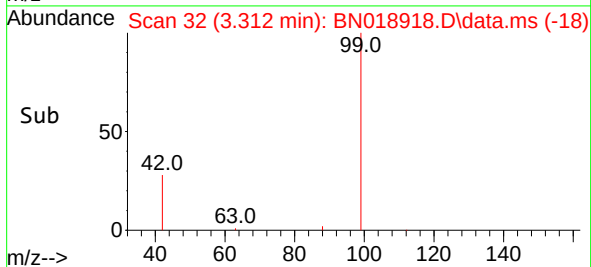
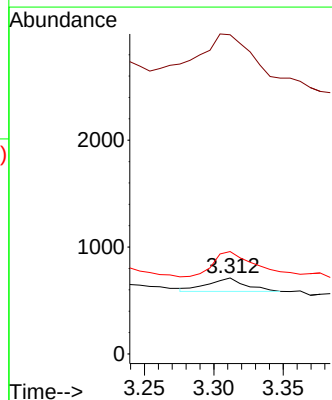
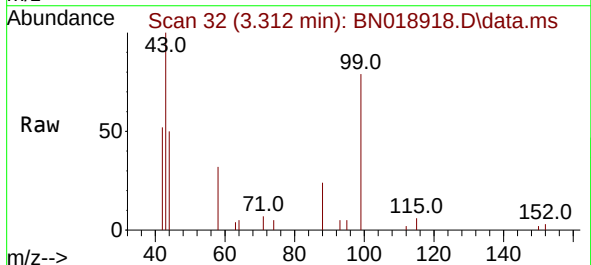
Instrument :
 BNA_N
 ClientSampleId :
 V-2-0309-4A

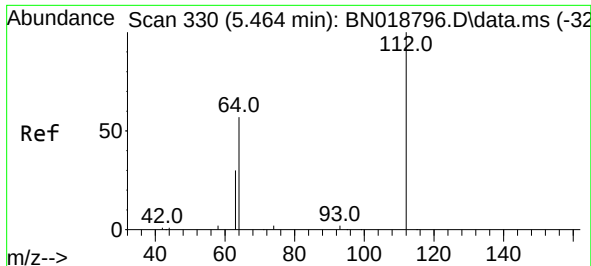
Tgt Ion:152 Resp: 6207
 Ion Ratio Lower Upper
 152 100
 150 154.6 123.9 185.9
 115 62.3 48.2 72.4



#2
 1,4-Dioxane
 Concen: 0.034 ng
 RT: 3.312 min Scan# 32
 Delta R.T. 0.000 min
 Lab File: BN018918.D
 Acq: 11 Mar 2022 00:24

Tgt Ion: 88 Resp: 236
 Ion Ratio Lower Upper
 88 100
 43 444.9 24.6 37.0#
 58 203.8 65.4 98.2#





#4

2-Fluorophenol

Concen: 0.026 ng

RT: 5.464 min Scan# 31

Delta R.T. 0.007 min

Lab File: BN018918.D

Acq: 11 Mar 2022 00:24

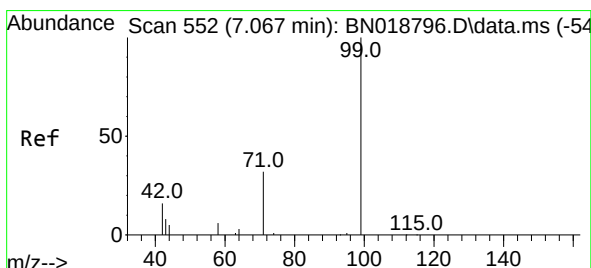
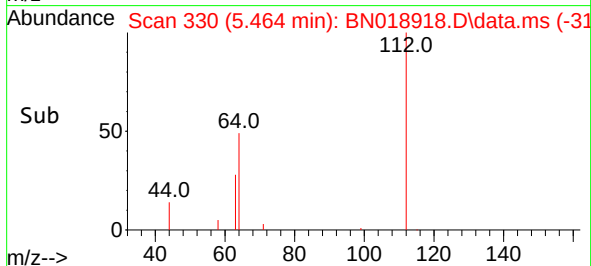
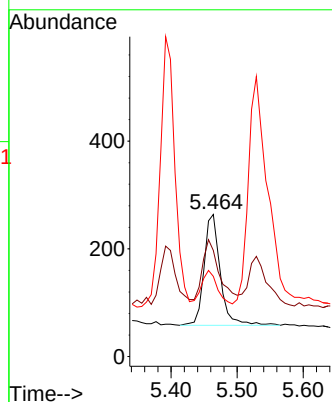
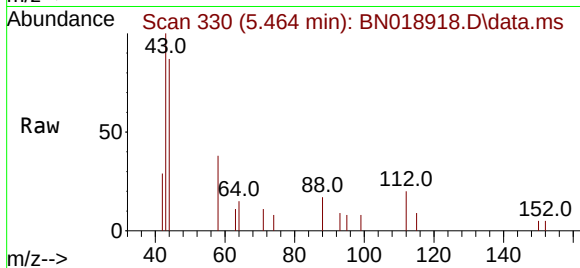
Instrument :

BNA_N

ClientSampleId :

V-2-0309-4A

Tgt Ion:	112	Resp:	350
Ion	Ratio	Lower	Upper
112	100		
64	61.4	47.8	71.8
63	28.0	25.7	38.5



#5

Phenol-d6

Concen: 0.265 ng

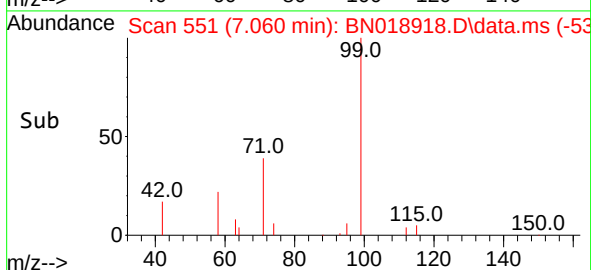
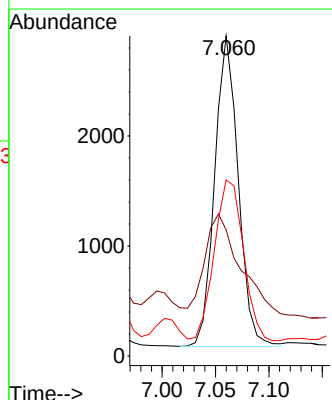
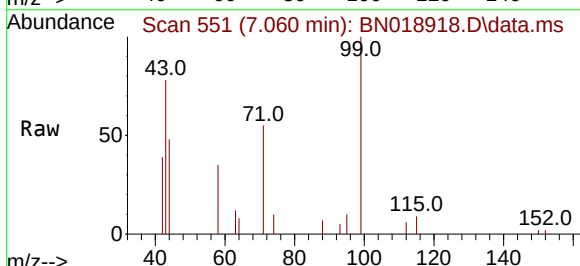
RT: 7.060 min Scan# 551

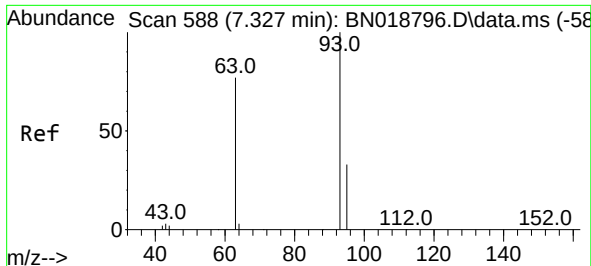
Delta R.T. 0.000 min

Lab File: BN018918.D

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Tgt Ion:	99	Resp:	4308
Ion	Ratio	Lower	Upper
99	100		
42	48.7	16.2	24.4#
71	63.7	27.7	41.5#

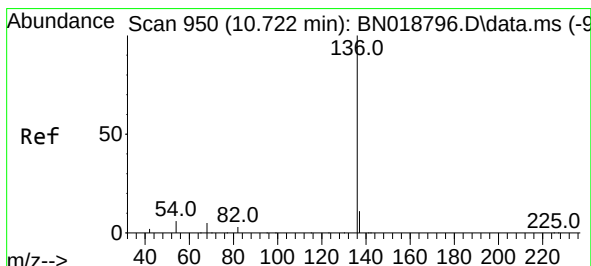
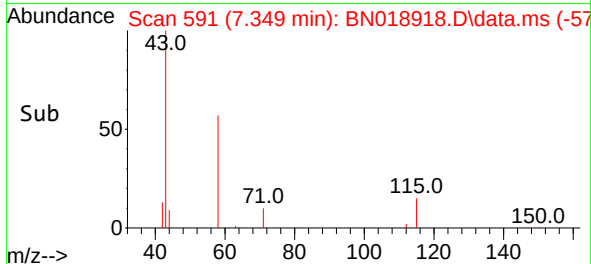
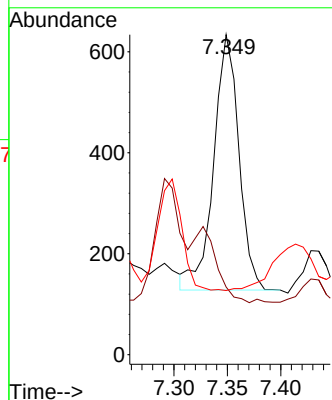
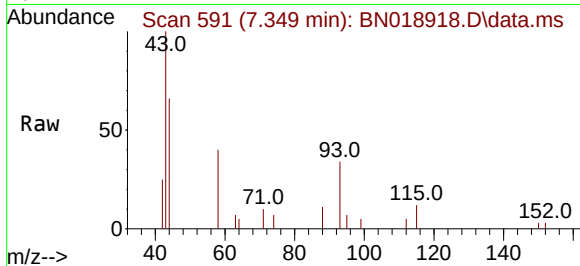




#6
bis(2-Chloroethyl)ether
Concen: 0.047 ng
RT: 7.349 min Scan# 591
Delta R.T. 0.029 min
Lab File: BN018918.D
Acq: 11 Mar 2022 00:24

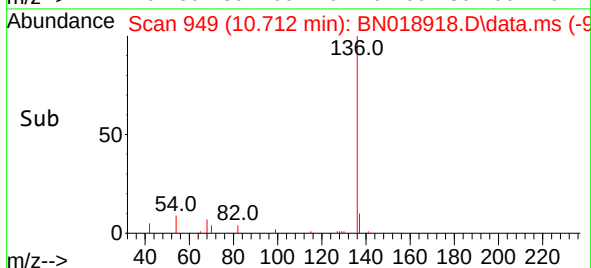
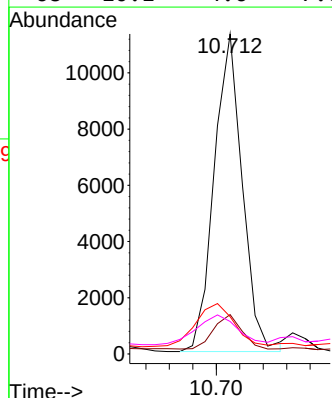
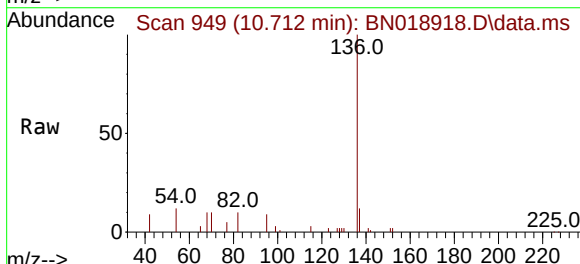
Instrument :
BNA_N
ClientSampleId :
V-2-0309-4A

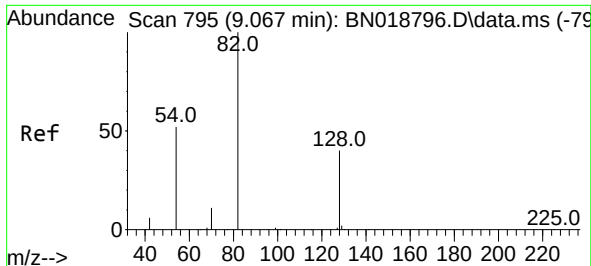
Tgt Ion: 93 Resp: 831
Ion Ratio Lower Upper
93 100
63 0.0 62.8 94.2#
95 0.0 26.2 39.4#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.712 min Scan# 949
Delta R.T. 0.000 min
Lab File: BN018918.D
Acq: 11 Mar 2022 00:24

Tgt Ion: 136 Resp: 18874
Ion Ratio Lower Upper
136 100
137 12.3 9.0 13.4
54 11.6 5.8 8.6#
68 10.1 4.6 7.0#





#8
 Nitrobenzene-d5
 Concen: 0.321 ng
 RT: 9.057 min Scan# 794
 Delta R.T. 0.000 min
 Lab File: BN018918.D
 Acq: 11 Mar 2022 00:24

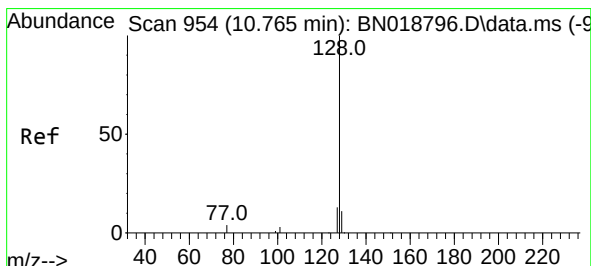
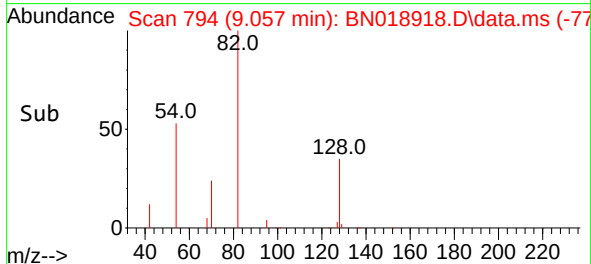
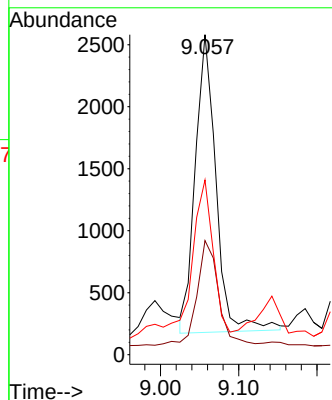
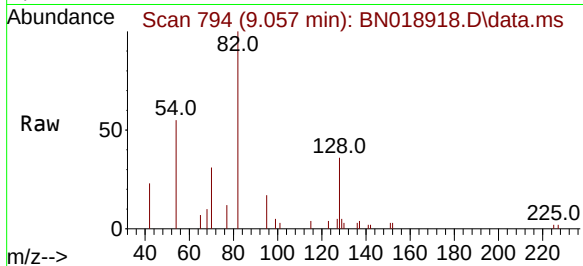
Instrument :

BNA_N

ClientSampleId :

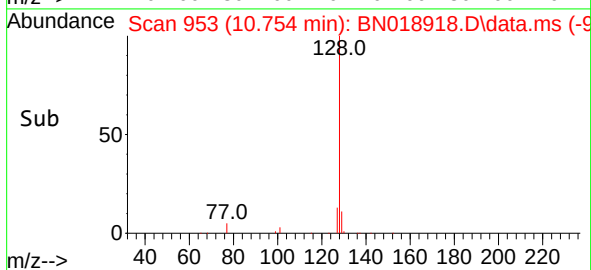
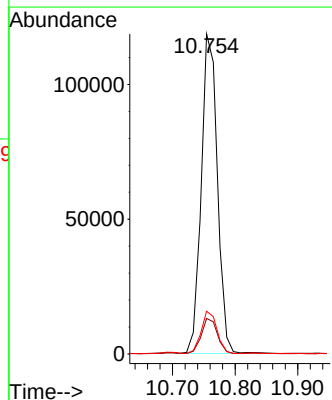
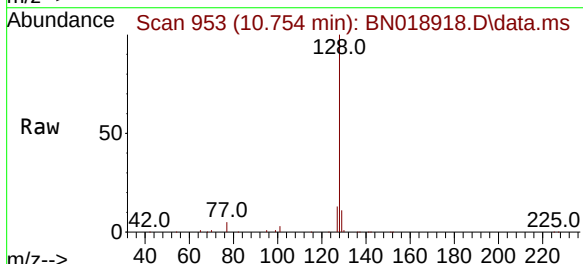
V-2-0309-4A

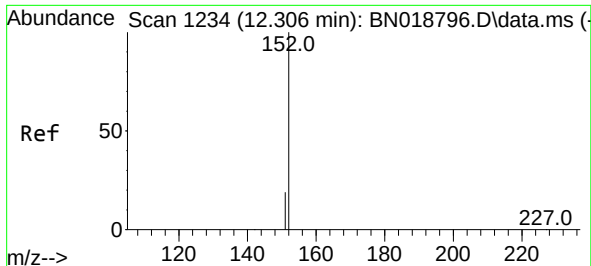
Tgt Ion: 82 Resp: 4421
 Ion Ratio Lower Upper
 82 100
 128 35.7 33.0 49.6
 54 54.6 42.5 63.7



#9
 Naphthalene
 Concen: 3.925 ng
 RT: 10.754 min Scan# 953
 Delta R.T. -0.011 min
 Lab File: BN018918.D
 Acq: 11 Mar 2022 00:24

Tgt Ion: 128 Resp: 212310
 Ion Ratio Lower Upper
 128 100
 129 11.1 9.0 13.4
 127 13.3 10.7 16.1

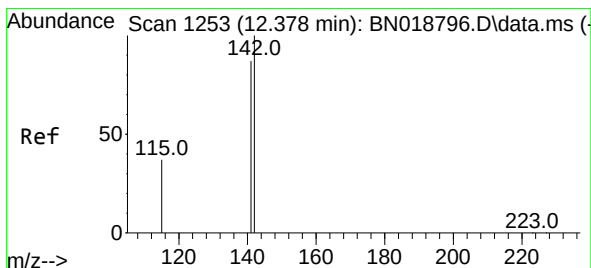
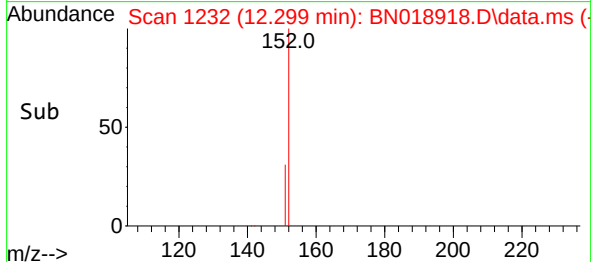
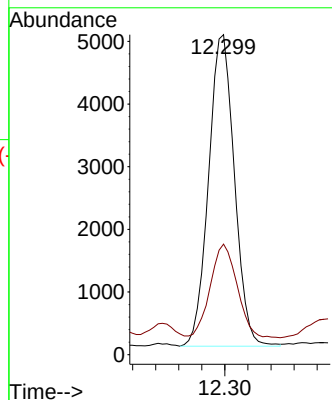
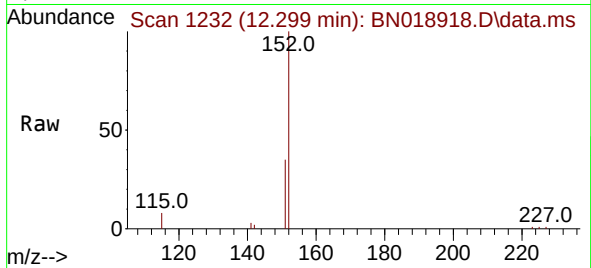




#11
2-Methylnaphthalene-d10
Concen: 0.251 ng
RT: 12.299 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN018918.D
Acq: 11 Mar 2022 00:24

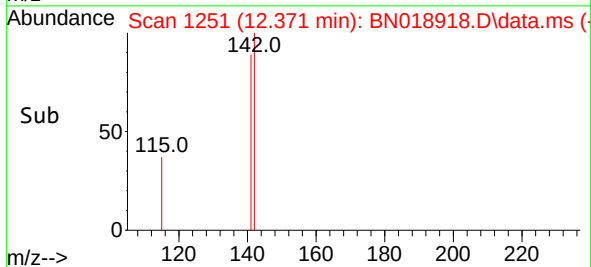
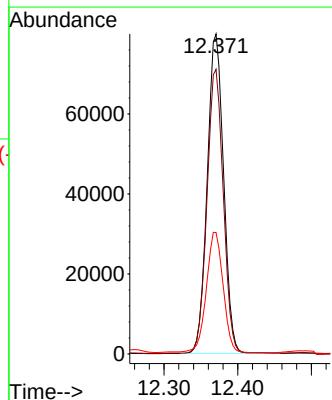
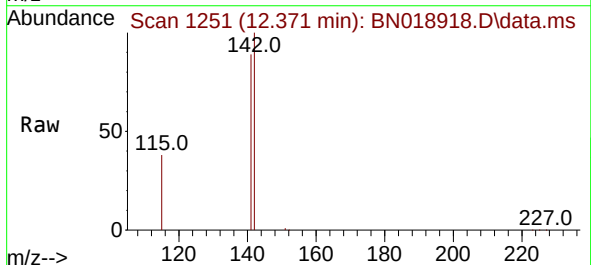
Instrument :
BNA_N
ClientSampleId :
V-2-0309-4A

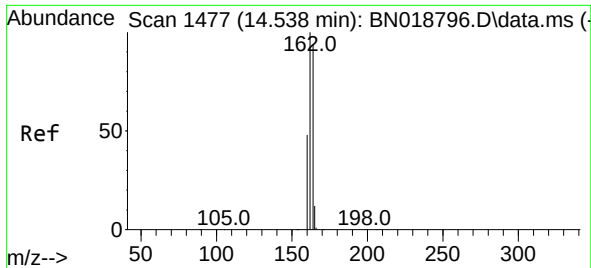
Tgt Ion:152 Resp: 7731
Ion Ratio Lower Upper
152 100
151 31.3 16.5 24.7#



#12
2-Methylnaphthalene
Concen: 3.267 ng
RT: 12.371 min Scan# 1251
Delta R.T. 0.000 min
Lab File: BN018918.D
Acq: 11 Mar 2022 00:24

Tgt Ion:142 Resp: 123105
Ion Ratio Lower Upper
142 100
141 88.9 70.0 105.0
115 38.0 29.8 44.8

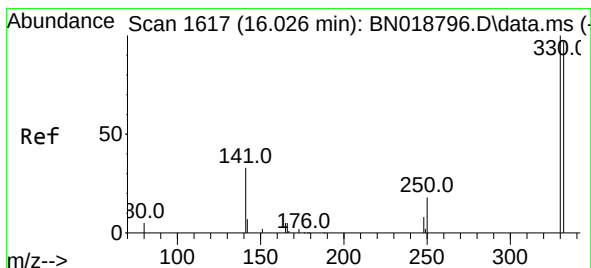
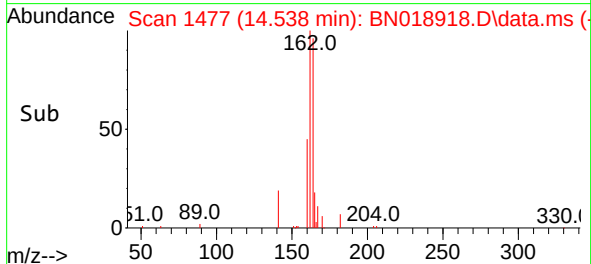
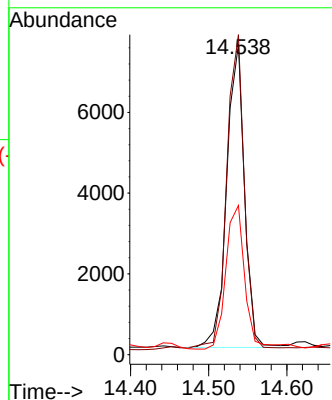
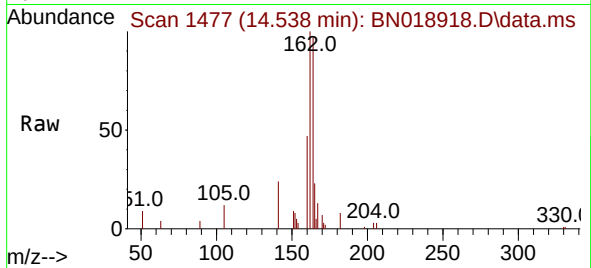




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.538 min Scan# 1477
Delta R.T. 0.000 min
Lab File: BN018918.D
Acq: 11 Mar 2022 00:24

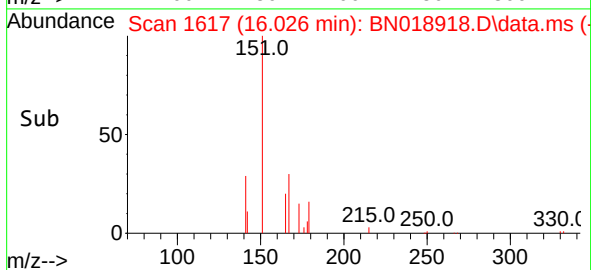
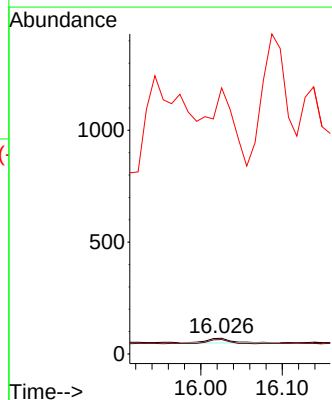
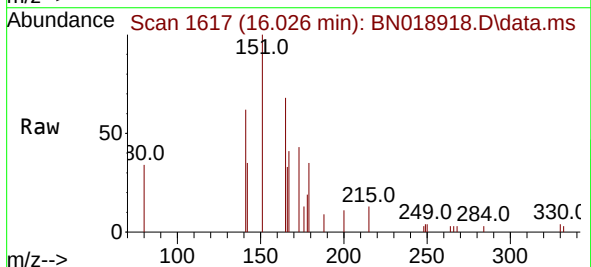
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V-2-0309-4A

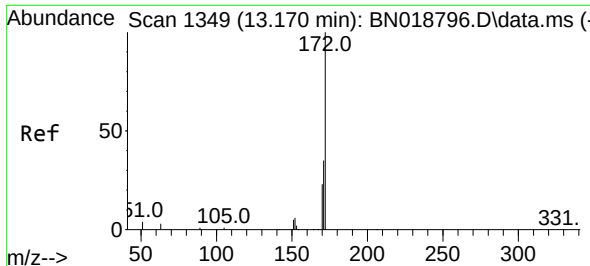
Tgt Ion:164 Resp: 11898
Ion Ratio Lower Upper
164 100
162 103.1 85.2 127.8
160 48.1 41.5 62.3



#14
2,4,6-Tribromophenol
Concen: 0.009 ng
RT: 16.026 min Scan# 1617
Delta R.T. 0.000 min
Lab File: BN018918.D
Acq: 11 Mar 2022 00:24

Tgt Ion:330 Resp: 49
Ion Ratio Lower Upper
330 100
332 69.4 76.8 115.2#
141 910.2 32.2 48.2#

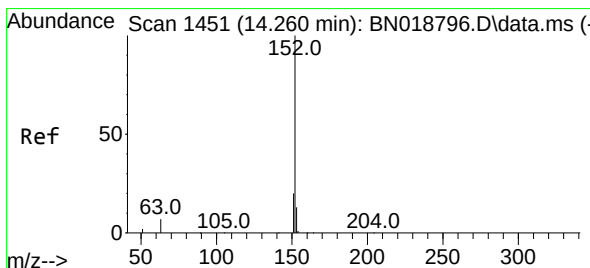
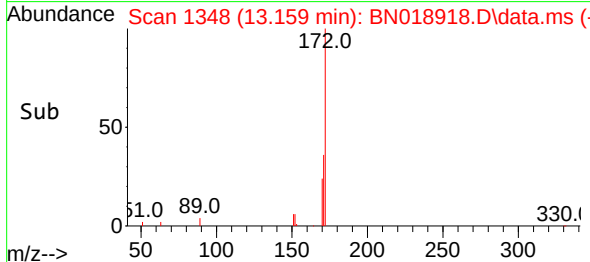
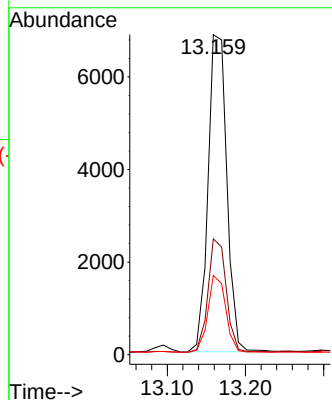
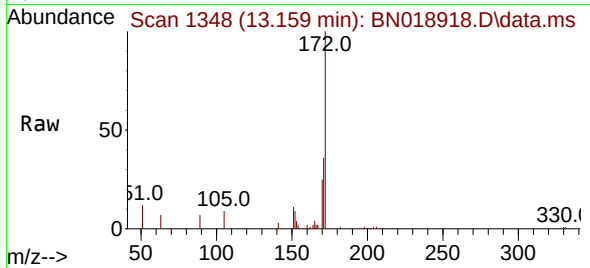




#15
2-Fluorobiphenyl
Concen: 0.225 ng
RT: 13.159 min Scan# 1348
Delta R.T. -0.011 min
Lab File: BN018918.D
Acq: 11 Mar 2022 00:24

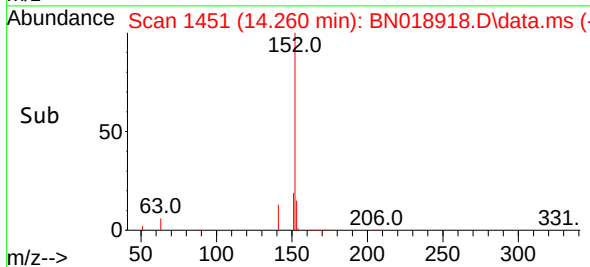
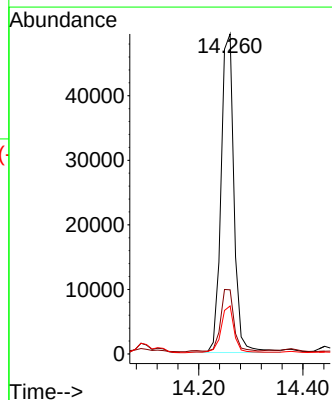
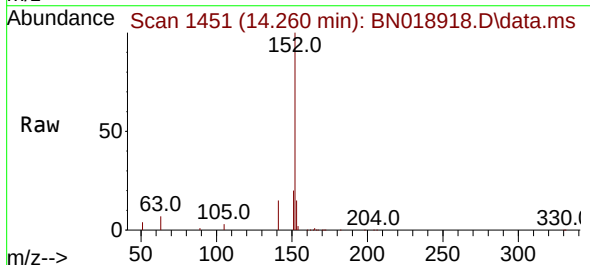
Instrument :
BNA_N
ClientSampleId :
V-2-0309-4A

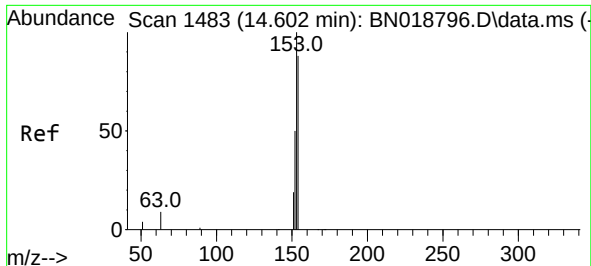
Tgt Ion:172 Resp: 11472
Ion Ratio Lower Upper
172 100
171 36.2 28.2 42.2
170 24.8 18.7 28.1



#16
Acenaphthylene
Concen: 1.573 ng
RT: 14.260 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BN018918.D
Acq: 11 Mar 2022 00:24

Tgt Ion:152 Resp: 85363
Ion Ratio Lower Upper
152 100
151 20.5 15.9 23.9
153 14.9 10.6 15.8

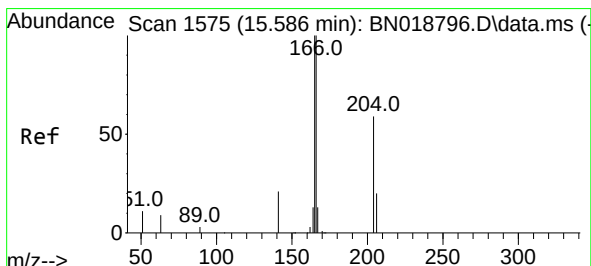
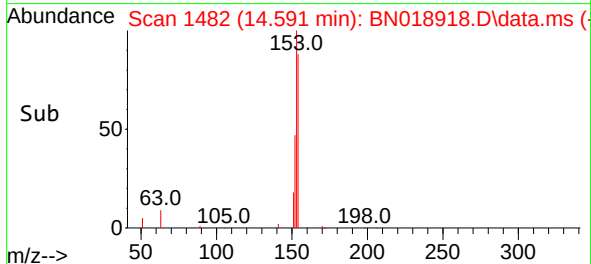
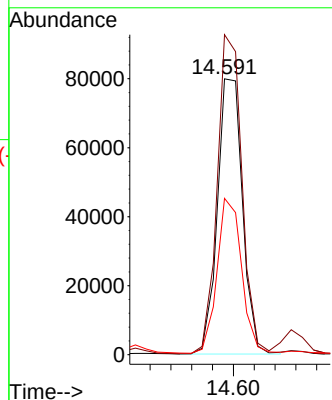
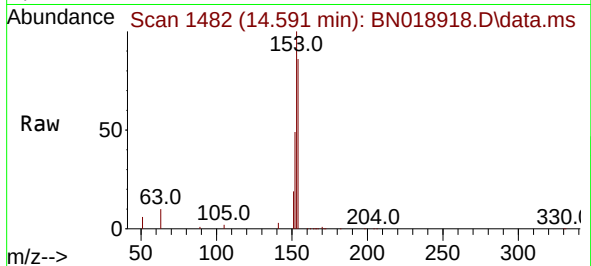




#17
Acenaphthene
Concen: 3.466 ng
RT: 14.591 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN018918.D
Acq: 11 Mar 2022 00:24

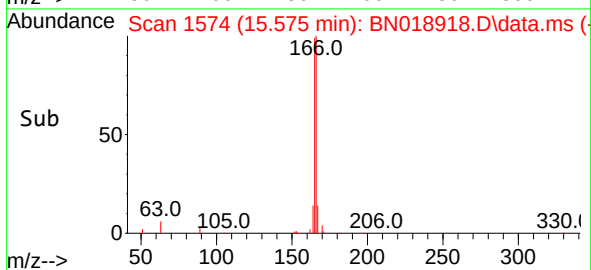
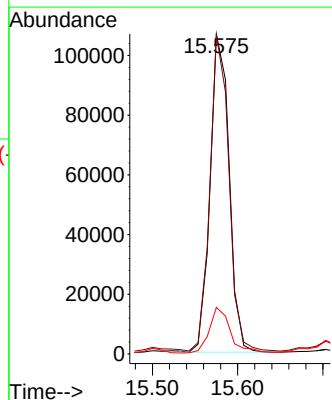
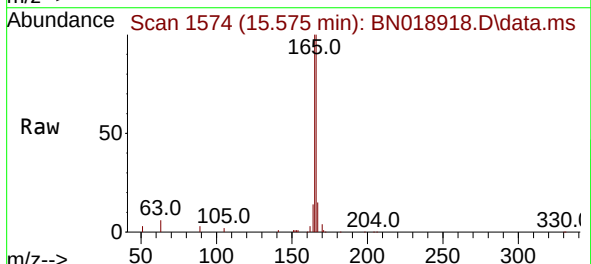
Instrument :
BNA_N
ClientSampleId :
V-2-0309-4A

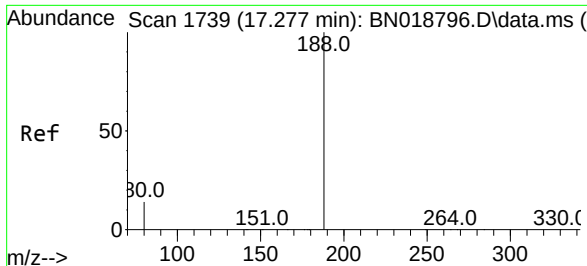
Tgt Ion:154 Resp: 133502
Ion Ratio Lower Upper
154 100
153 113.9 89.7 134.5
152 54.9 44.7 67.1



#18
Fluorene
Concen: 3.299 ng
RT: 15.575 min Scan# 1574
Delta R.T. -0.011 min
Lab File: BN018918.D
Acq: 11 Mar 2022 00:24

Tgt Ion:166 Resp: 165255
Ion Ratio Lower Upper
166 100
165 98.6 79.2 118.8
167 15.9 10.7 16.1

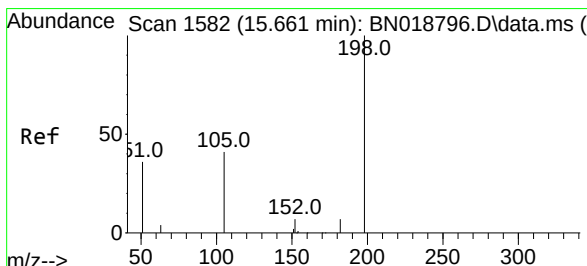
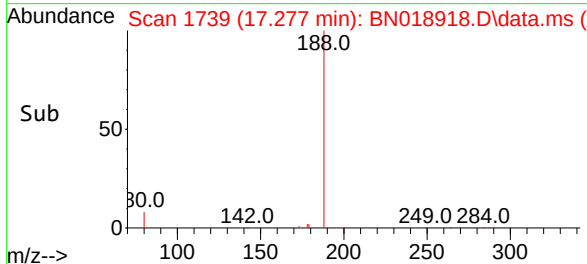
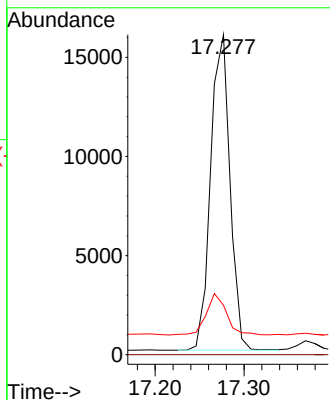
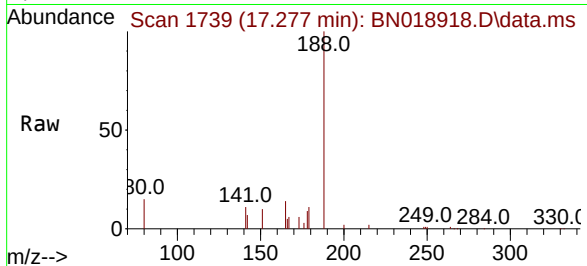




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.277 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN018918.D
Acq: 11 Mar 2022 00:24

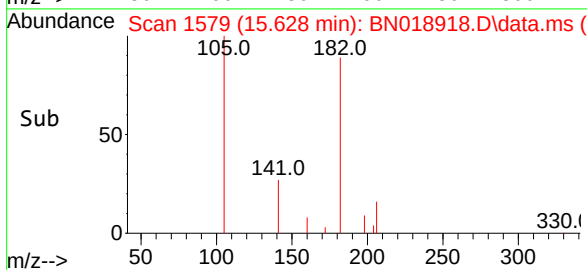
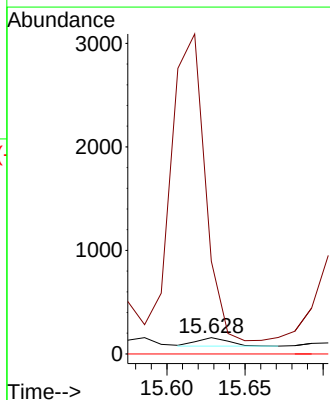
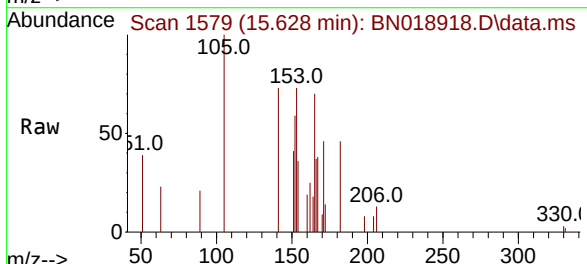
Instrument :
BNA_N
ClientSampleId :
V-2-0309-4A

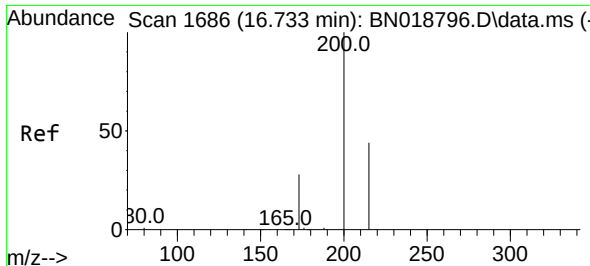
Tgt Ion:188 Resp: 24102
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.5 11.8 17.8



#20
4,6-Dinitro-2-methylphenol
Concen: 0.129 ng
RT: 15.628 min Scan# 1579
Delta R.T. -0.032 min
Lab File: BN018918.D
Acq: 11 Mar 2022 00:24

Tgt Ion:198 Resp: 116
Ion Ratio Lower Upper
198 100
182 571.3 13.0 19.4#
77 0.0 0.0 0.0

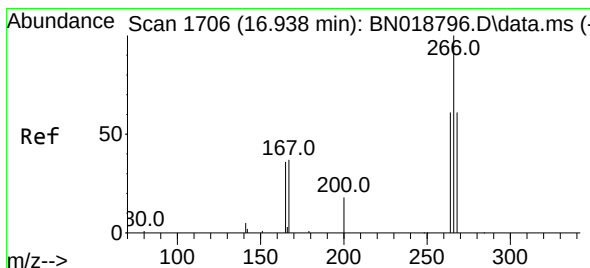
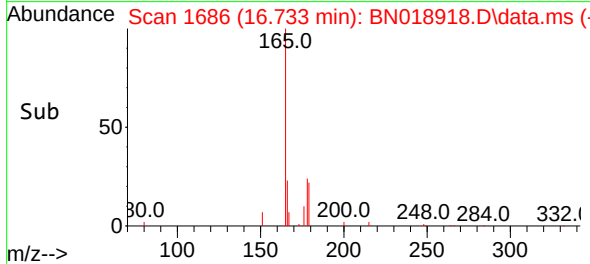
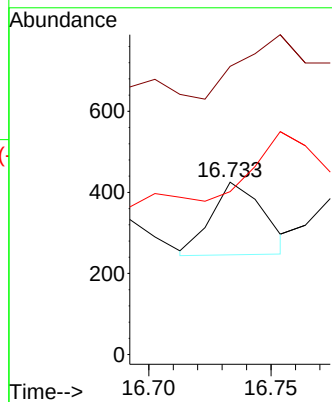
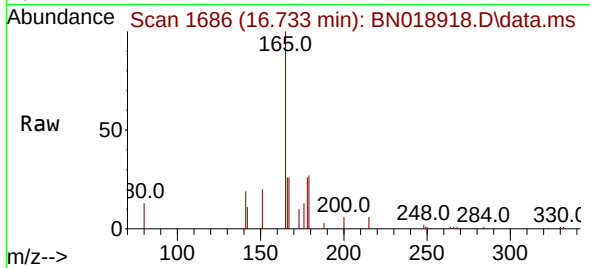




#23
 Atrazine
 Concen: 0.028 ng
 RT: 16.733 min Scan# 1
 Delta R.T. 0.010 min
 Lab File: BN018918.D
 Acq: 11 Mar 2022 00:24

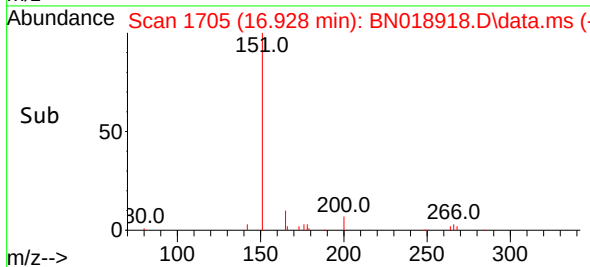
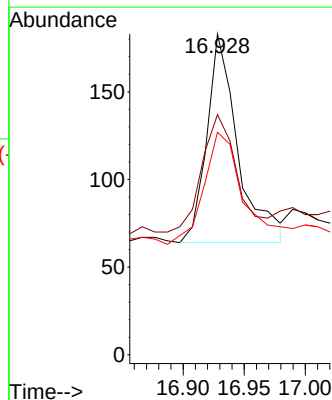
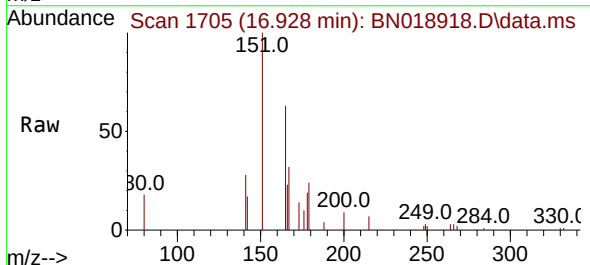
Instrument :
 BNA_N
 ClientSampleId :
 V-2-0309-4A

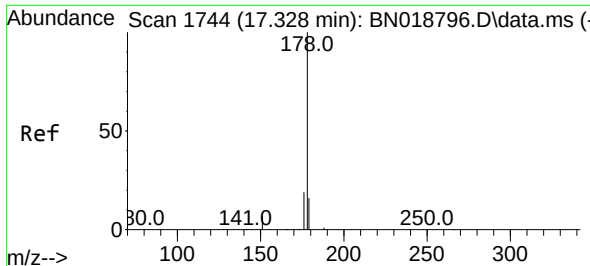
Tgt Ion:200 Resp: 267
 Ion Ratio Lower Upper
 200 100
 173 167.3 23.9 35.9#
 215 94.6 36.6 54.8#



#24
 Pentachlorophenol
 Concen: 0.246 ng
 RT: 16.928 min Scan# 1705
 Delta R.T. 0.000 min
 Lab File: BN018918.D
 Acq: 11 Mar 2022 00:24

Tgt Ion:266 Resp: 211
 Ion Ratio Lower Upper
 266 100
 264 64.5 50.2 75.4
 268 70.6 51.9 77.9

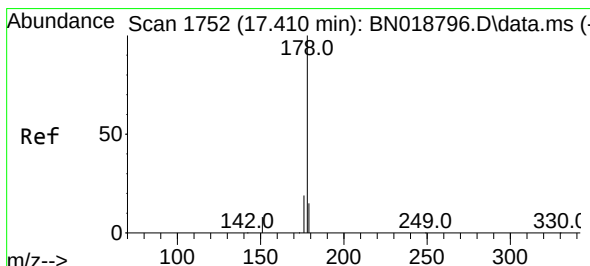
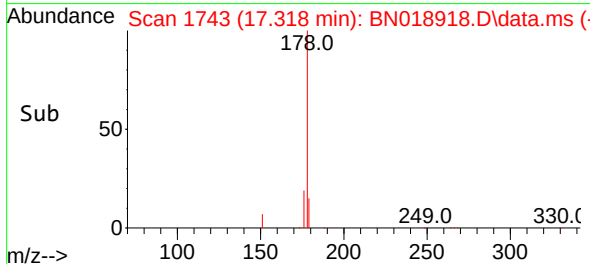
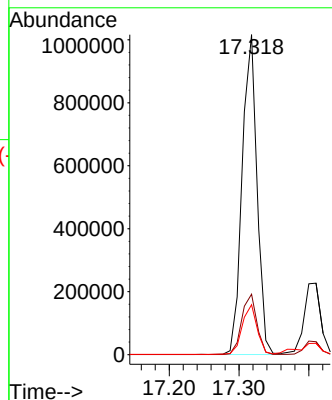
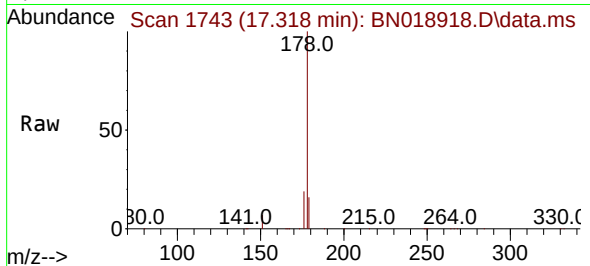




#25
 Phenanthrene
 Concen: 18.708 ng
 RT: 17.318 min Scan# 1743
 Delta R.T. 0.000 min
 Lab File: BN018918.D
 Acq: 11 Mar 2022 00:24

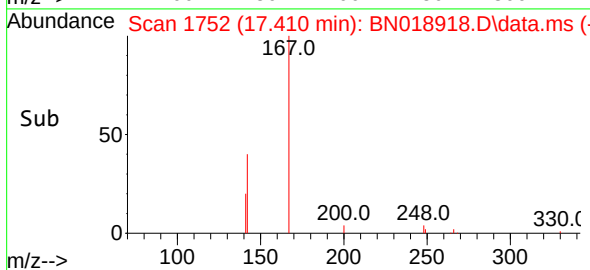
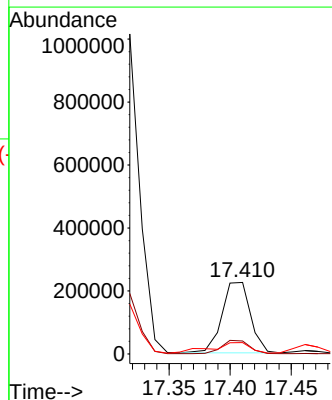
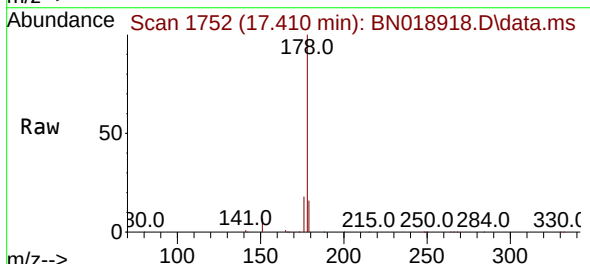
Instrument :
 BNA_N
 ClientSampleId :
 V-2-0309-4A

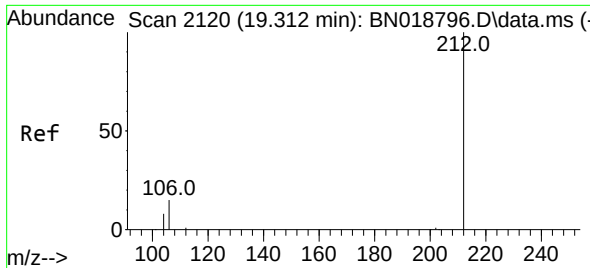
Tgt Ion:178 Resp: 1497355
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.0
 179 15.5 12.2 18.2



#26
 Anthracene
 Concen: 5.377 ng
 RT: 17.410 min Scan# 1752
 Delta R.T. 0.000 min
 Lab File: BN018918.D
 Acq: 11 Mar 2022 00:24

Tgt Ion:178 Resp: 362473
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.8 22.2
 179 20.8 12.2 18.4#

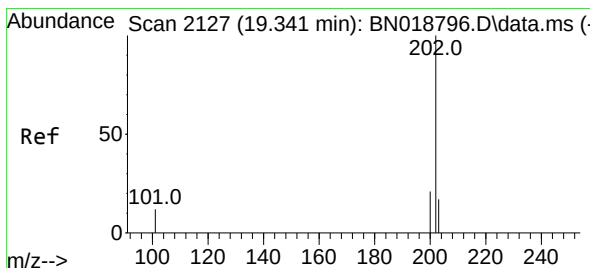
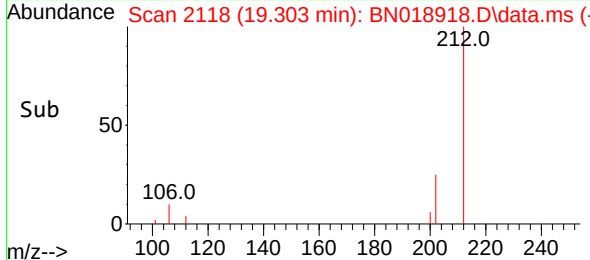
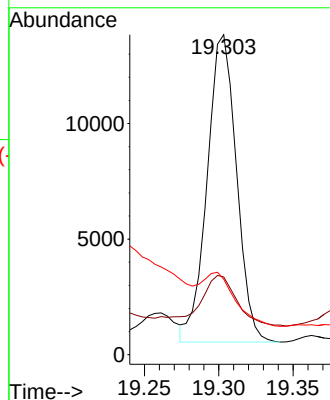
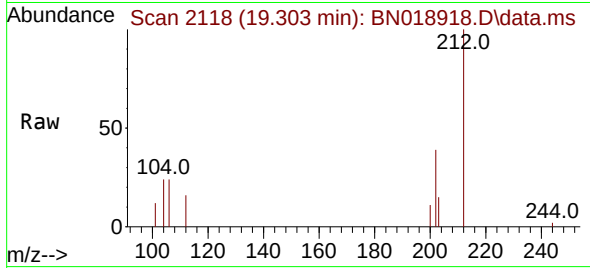




#27
Fluoranthene-d10
Concen: 0.257 ng
RT: 19.303 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BN018918.D
Acq: 11 Mar 2022 00:24

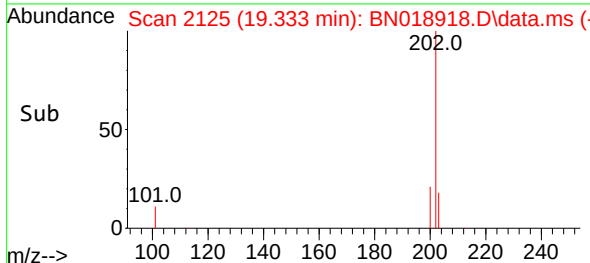
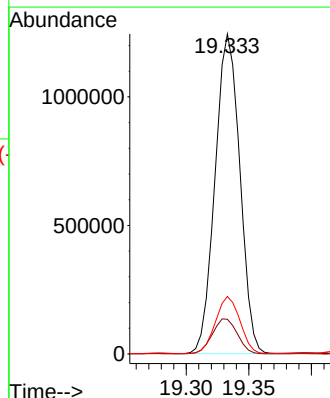
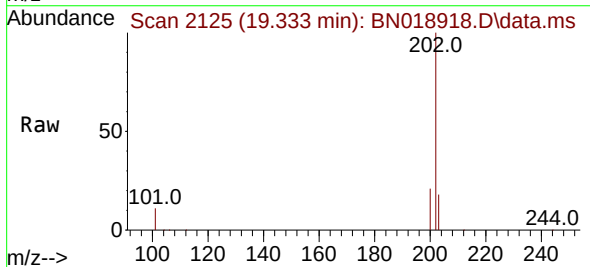
Instrument :
BNA_N
ClientSampleId :
V-2-0309-4A

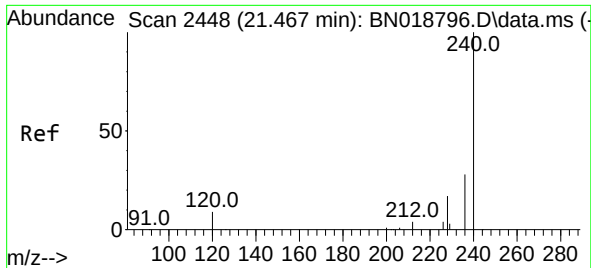
Tgt Ion:212 Resp: 18249
Ion Ratio Lower Upper
212 100
106 19.4 12.7 19.1#
104 18.2 7.1 10.7#



#28
Fluoranthene
Concen: 18.810 ng
RT: 19.333 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BN018918.D
Acq: 11 Mar 2022 00:24

Tgt Ion:202 Resp: 1711025
Ion Ratio Lower Upper
202 100
101 11.1 9.8 14.6
203 17.5 13.7 20.5

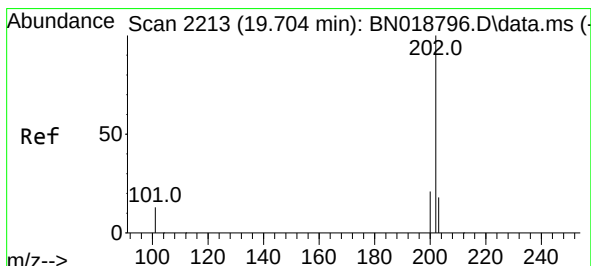
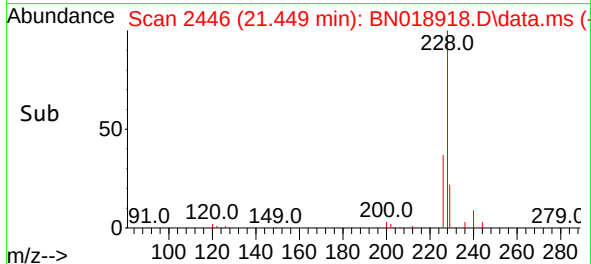
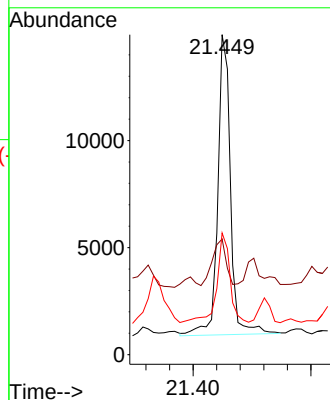
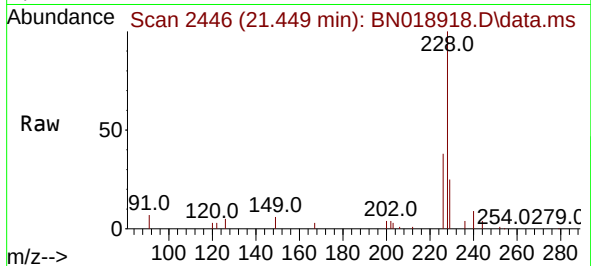




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.449 min Scan# 2446
Delta R.T. 0.000 min
Lab File: BN018918.D
Acq: 11 Mar 2022 00:24

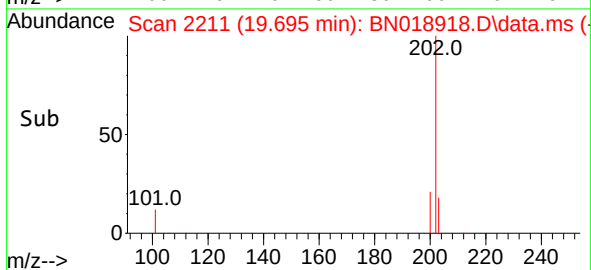
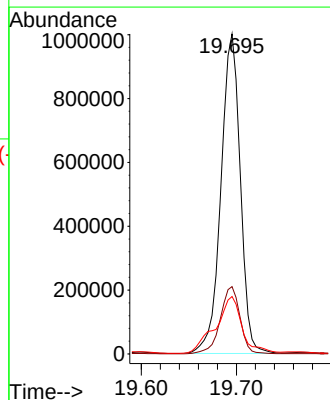
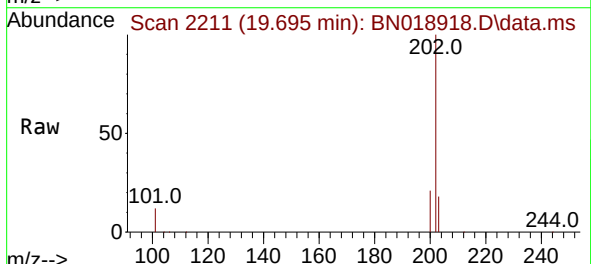
Instrument :
BNA_N
ClientSampleId :
V-2-0309-4A

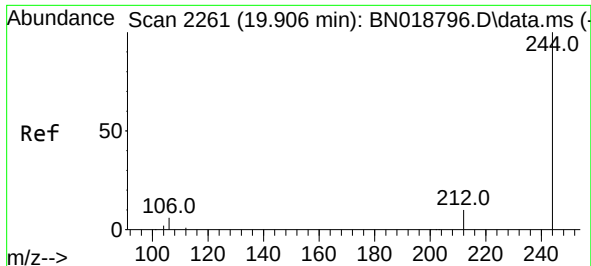
Tgt Ion:240 Resp: 20904
Ion Ratio Lower Upper
240 100
120 36.1 8.5 12.7#
236 38.1 22.4 33.6#



#30
Pyrene
Concen: 15.211 ng
RT: 19.695 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BN018918.D
Acq: 11 Mar 2022 00:24

Tgt Ion:202 Resp: 1419670
Ion Ratio Lower Upper
202 100
200 21.3 16.9 25.3
203 24.2 14.2 21.2#

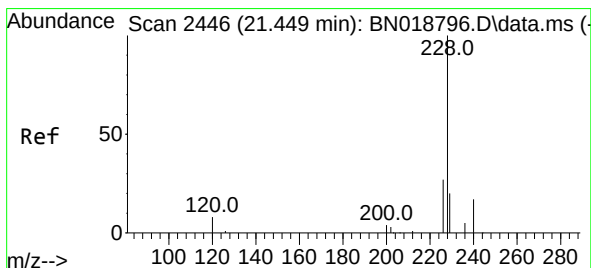
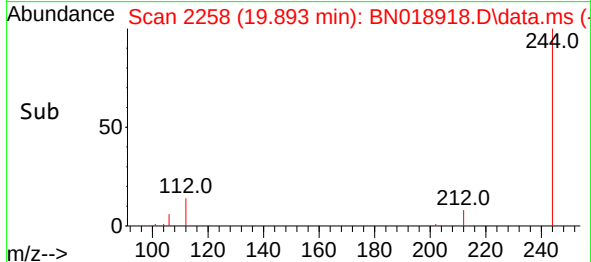
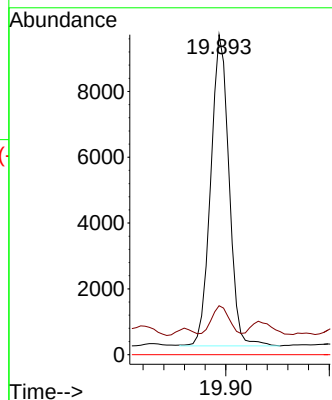
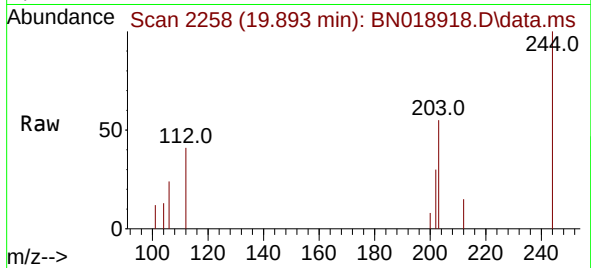




#31
 Terphenyl-d14
 Concen: 0.260 ng
 RT: 19.893 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BN018918.D
 Acq: 11 Mar 2022 00:24

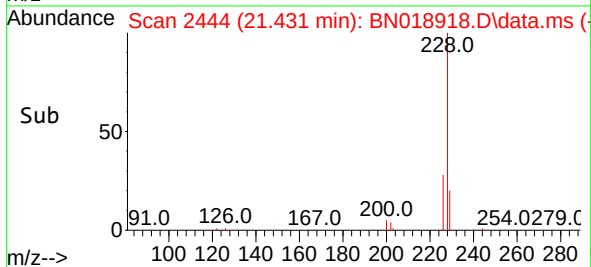
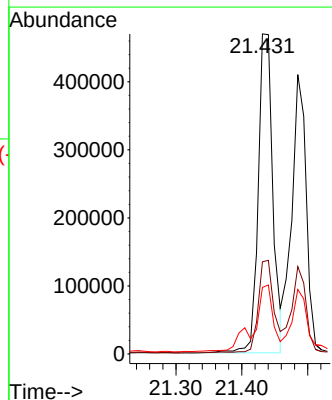
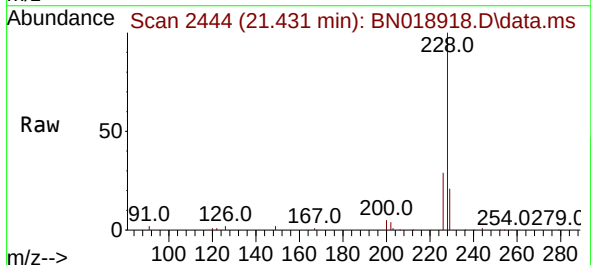
Instrument :
 BNA_N
 ClientSampleId :
 V-2-0309-4A

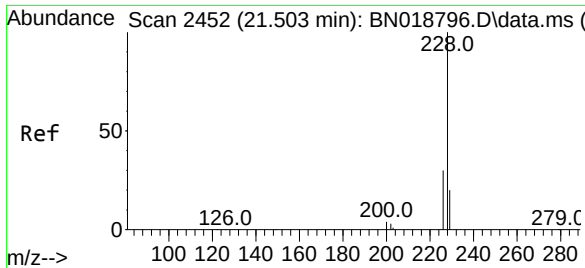
Tgt Ion:244 Resp: 11601
 Ion Ratio Lower Upper
 244 100
 212 15.3 8.2 12.4#
 122 0.0 0.0 0.0



#32
 Benzo(a)anthracene
 Concen: 9.232 ng
 RT: 21.431 min Scan# 2444
 Delta R.T. -0.009 min
 Lab File: BN018918.D
 Acq: 11 Mar 2022 00:24

Tgt Ion:228 Resp: 724797
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.9 32.9
 229 20.8 16.0 24.0





#33

Chrysene

Concen: 7.247 ng

RT: 21.485 min Scan# 2452

Delta R.T. 0.000 min

Lab File: BN018918.D

Acq: 11 Mar 2022 00:24

Instrument :

BNA_N

ClientSampleId :

V-2-0309-4A

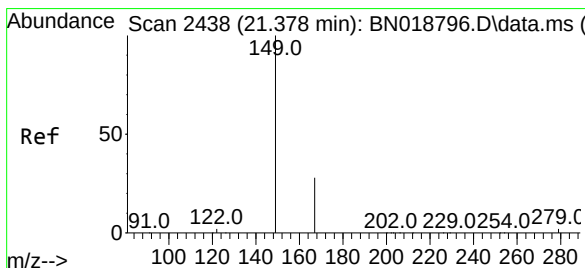
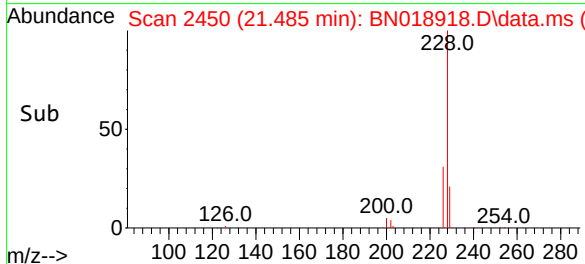
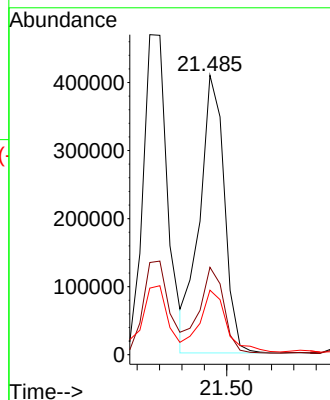
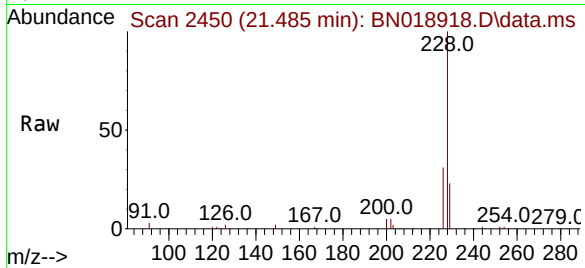
Tgt Ion:228 Resp: 625153

Ion Ratio Lower Upper

228 100

226 31.3 24.0 36.0

229 23.1 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.773 ng

RT: 21.360 min Scan# 2436

Delta R.T. -0.009 min

Lab File: BN018918.D

Acq: 11 Mar 2022 00:24

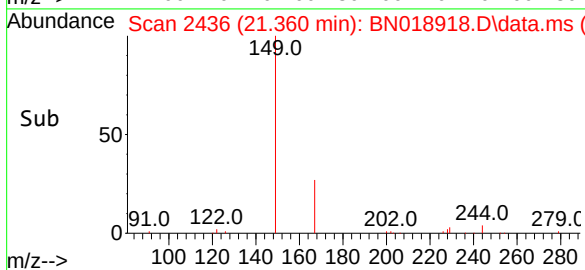
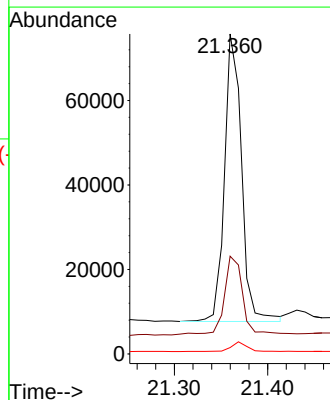
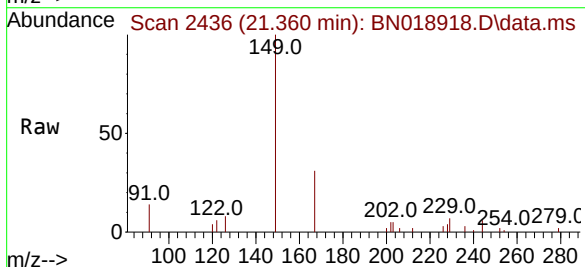
Tgt Ion:149 Resp: 85993

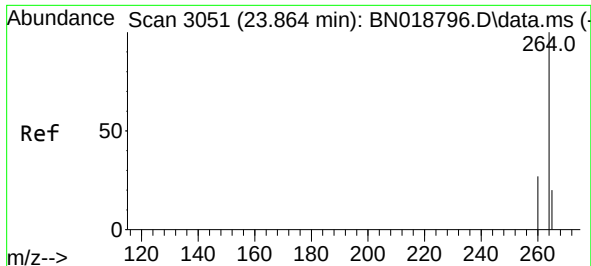
Ion Ratio Lower Upper

149 100

167 29.9 21.8 32.8

279 3.2 2.0 3.0#

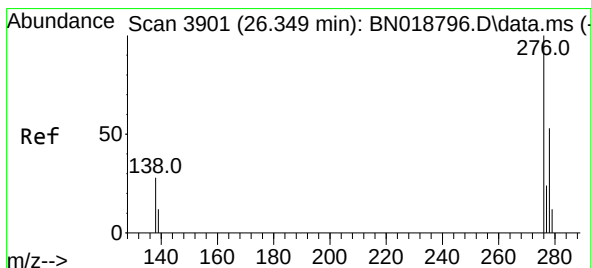
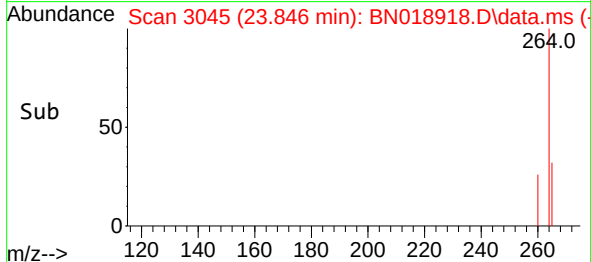
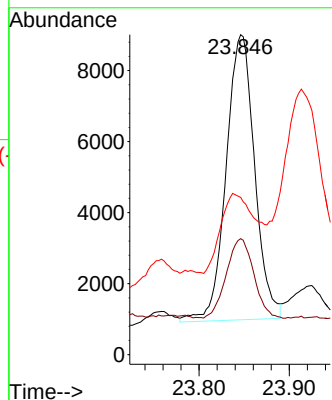
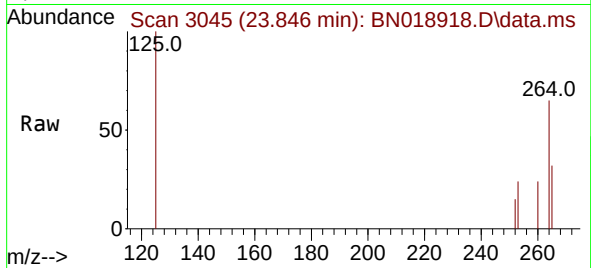




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.846 min Scan# 3051
 Delta R.T. 0.003 min
 Lab File: BN018918.D
 Acq: 11 Mar 2022 00:24

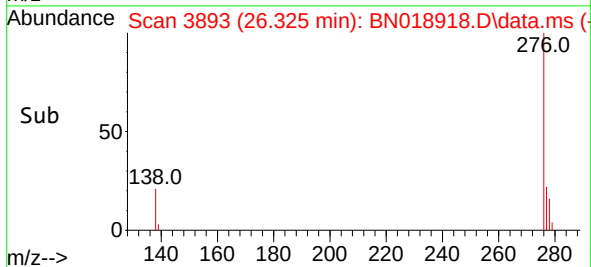
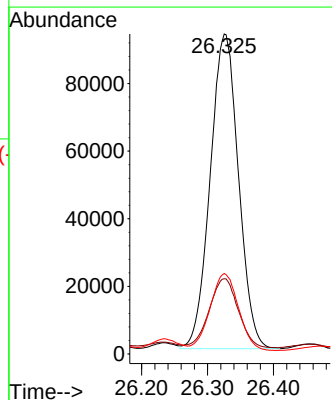
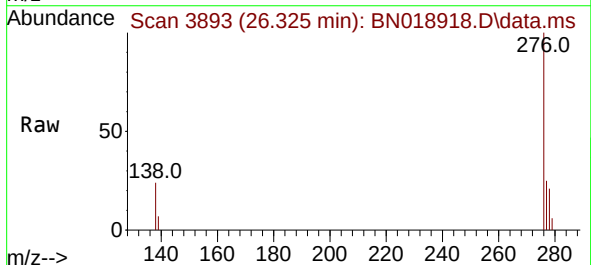
Instrument :
 BNA_N
 ClientSampleId :
 V-2-0309-4A

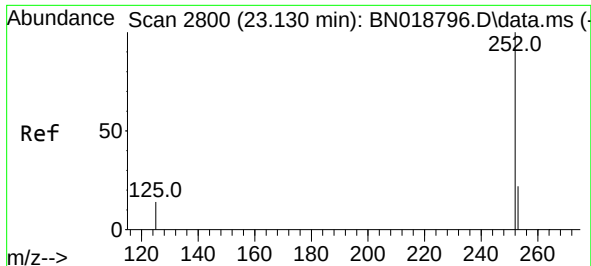
Tgt Ion:264 Resp: 17689
 Ion Ratio Lower Upper
 264 100
 260 36.3 22.4 33.6#
 265 49.2 25.3 37.9#



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 3.489 ng
 RT: 26.325 min Scan# 3893
 Delta R.T. 0.006 min
 Lab File: BN018918.D
 Acq: 11 Mar 2022 00:24

Tgt Ion:276 Resp: 277370
 Ion Ratio Lower Upper
 276 100
 138 22.4 24.5 36.7#
 277 24.7 19.8 29.8

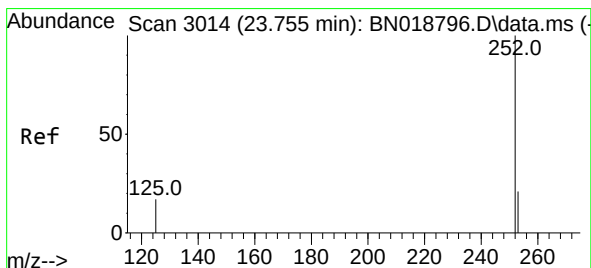
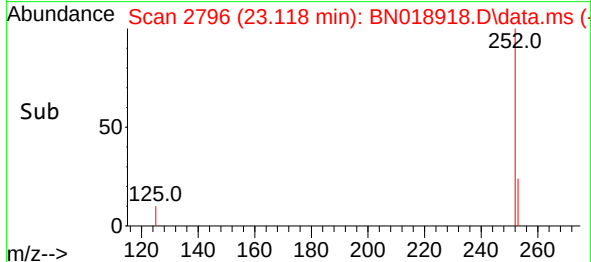
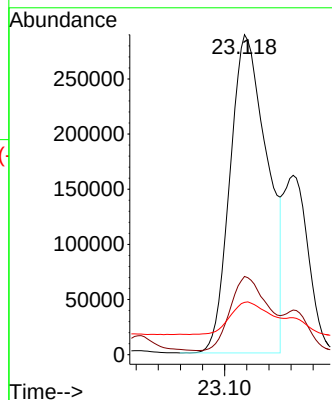
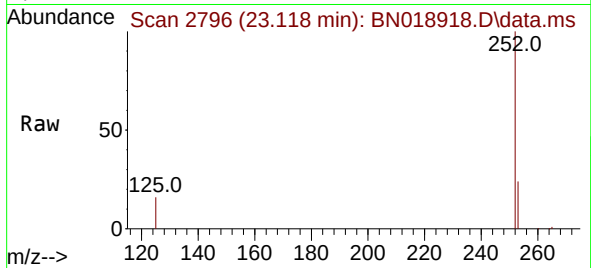




#37
Benzo(b)fluoranthene
Concen: 8.234 ng
RT: 23.118 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN018918.D
Acq: 11 Mar 2022 00:24

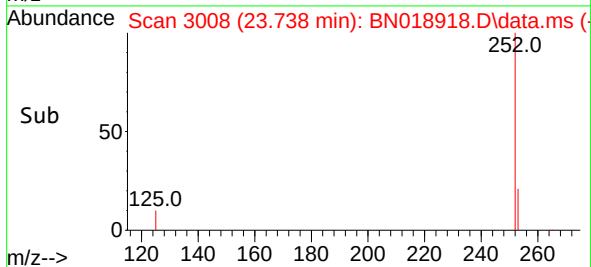
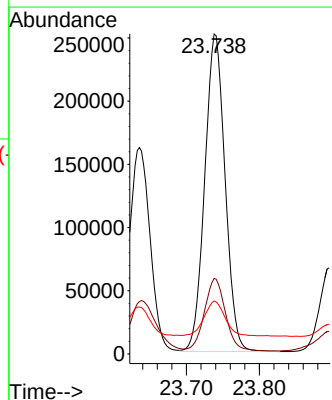
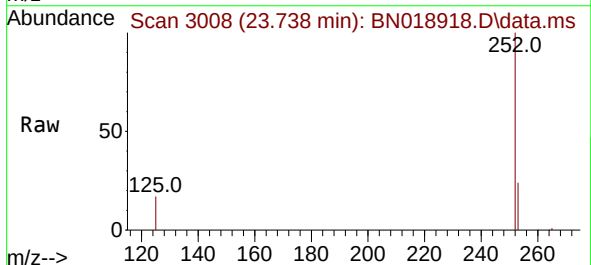
Instrument :
BNA_N
ClientSampleId :
V-2-0309-4A

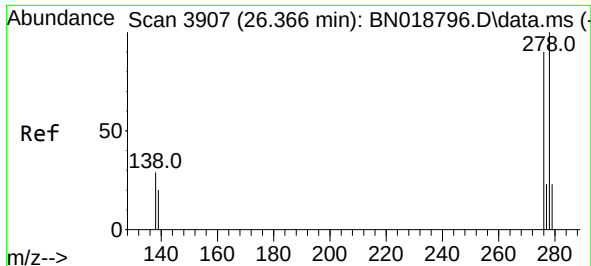
Tgt Ion:252 Resp: 678015
Ion Ratio Lower Upper
252 100
253 24.5 18.9 28.3
125 16.4 12.1 18.1



#39
Benzo(a)pyrene
Concen: 7.689 ng
RT: 23.738 min Scan# 3008
Delta R.T. 0.000 min
Lab File: BN018918.D
Acq: 11 Mar 2022 00:24

Tgt Ion:252 Resp: 486482
Ion Ratio Lower Upper
252 100
253 23.6 20.1 30.1
125 16.5 15.2 22.8

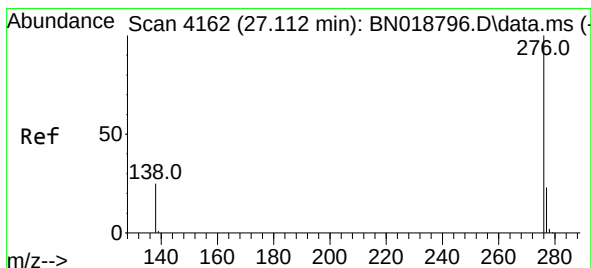
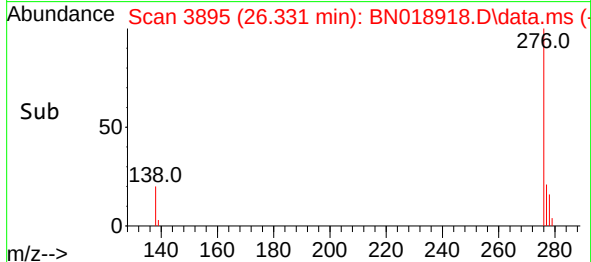
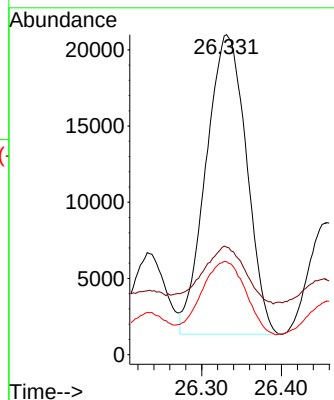
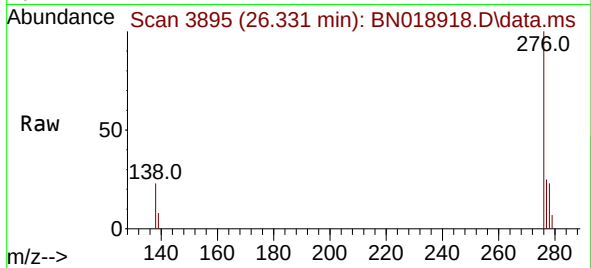




#40
Dibenzo(a,h)anthracene
Concen: 1.134 ng
RT: 26.331 min Scan# 31
Delta R.T. -0.006 min
Lab File: BN018918.D
Acq: 11 Mar 2022 00:24

Instrument :
BNA_N
ClientSampleId :
V-2-0309-4A

Tgt Ion:278 Resp: 69099
Ion Ratio Lower Upper
278 100
139 33.6 17.2 25.8#
279 29.0 19.9 29.9



#41
Benzo(g,h,i)perylene
Concen: 4.026 ng
RT: 27.085 min Scan# 4153
Delta R.T. 0.003 min
Lab File: BN018918.D
Acq: 11 Mar 2022 00:24

Tgt Ion:276 Resp: 263533
Ion Ratio Lower Upper
276 100
277 24.3 19.4 29.0
138 23.9 21.0 31.6

