

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111621\
 Data File : BN017486.D
 Acq On : 17 Nov 2021 00:41
 Operator : CG/JU
 Sample : M4668-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW9-GW-723-725

Quant Time: Nov 17 01:20:31 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN111621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 16 14:06:59 2021
 Response via : Initial Calibration

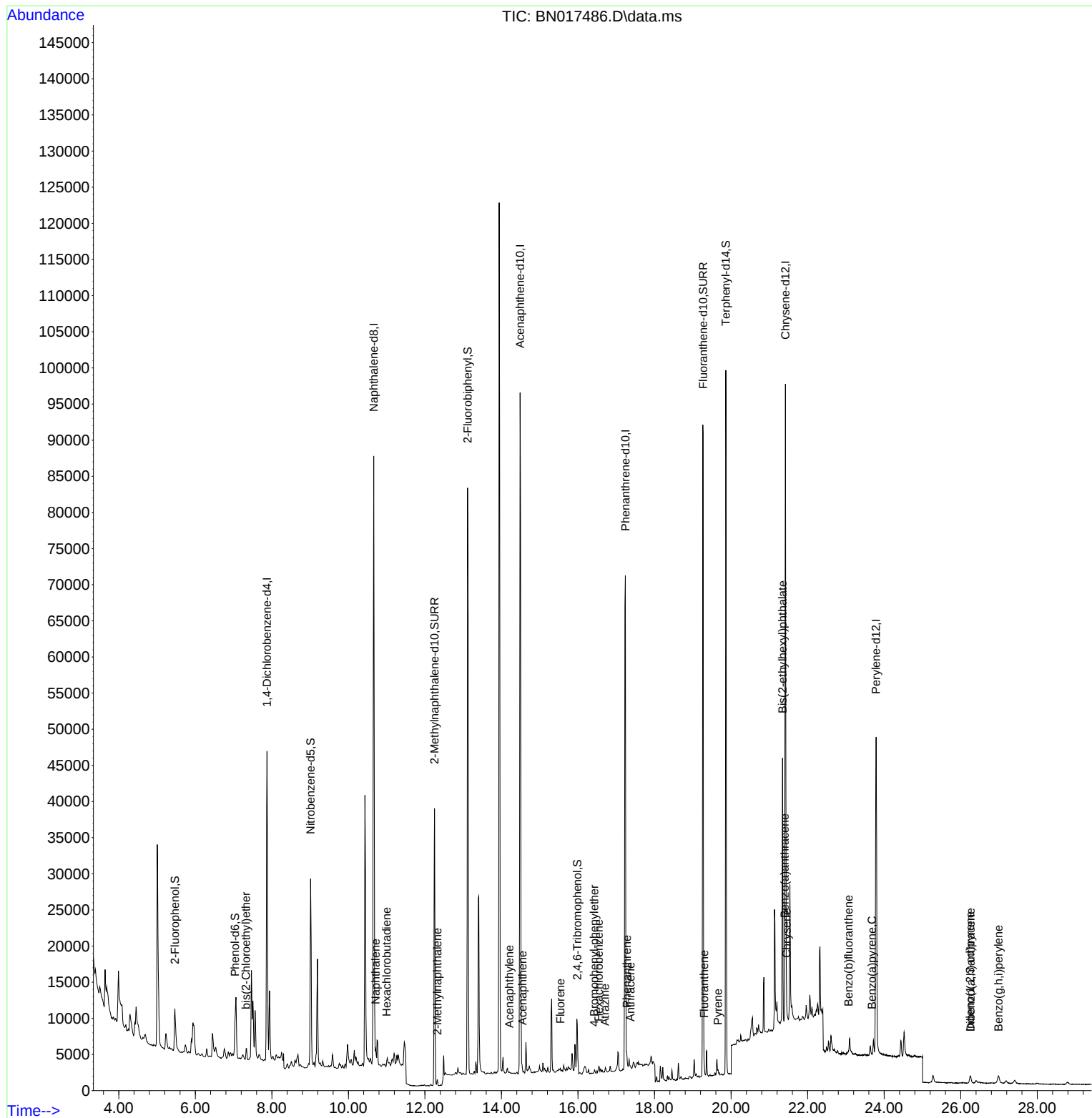
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.874	152	24823	0.400	ng	0.00
7) Naphthalene-d8	10.661	136	111465	0.400	ng	# 0.00
13) Acenaphthene-d10	14.485	164	59338	0.400	ng	-0.01
19) Phenanthrene-d10	17.237	188	105415	0.400	ng	0.00
29) Chrysene-d12	21.419	240	81304	0.400	ng	# 0.00
35) Perylene-d12	23.786	264	64423	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.467	112	7274	0.123	ng	0.02
5) Phenol-d6	7.035	99	4604	0.072	ng	0.00
8) Nitrobenzene-d5	9.013	82	22420	0.324	ng	0.00
11) 2-Methylnaphthalene-d10	12.248	152	50893	0.278	ng	0.00
14) 2,4,6-Tribromophenol	15.982	330	5836	0.387	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	73590	0.329	ng	-0.01
27) Fluoranthene-d10	19.267	212	105201	0.334	ng	0.00
31) Terphenyl-d14	19.863	244	92864	0.465	ng	0.00
Target Compounds						
6) bis(2-Chloroethyl)ether	7.320	93	189	0.003	ng	# 18
9) Naphthalene	10.712	128	2303	0.008	ng	# 85
10) Hexachlorobutadiene	11.003	225	21	0.000	ng	# 96
12) 2-Methylnaphthalene	12.324	142	573	0.003	ng	# 83
16) Acenaphthylene	14.206	152	164	0.001	ng	# 66
17) Acenaphthene	14.549	154	156	0.001	ng	# 22
18) Fluorene	15.538	166	407	0.002	ng	92
21) 4-Bromophenyl-phenylether	16.422	248	20	0.000	ng	# 1
22) Hexachlorobenzene	16.544	284	23	0.000	ng	# 34
23) Atrazine	16.702	200	50	0.001	ng	# 1
25) Phenanthrene	17.274	178	1873	0.006	ng	# 94
26) Anthracene	17.371	178	432	0.002	ng	# 75
28) Fluoranthene	19.297	202	976	0.003	ng	# 89
30) Pyrene	19.654	202	794	0.003	ng	# 77
32) Benzo(a)anthracene	21.398	228	1116	0.004	ng	# 48
33) Chrysene	21.451	228	625	0.002	ng	# 42
34) Bis(2-ethylhexyl)phtha...	21.345	149	33887	0.258	ng	99
36) Indeno(1,2,3-cd)pyrene	26.244	276	584	0.004	ng	# 1
37) Benzo(b)fluoranthene	23.071	252	416	0.002	ng	# 1
39) Benzo(a)pyrene	23.680	252	277	0.001	ng	# 1
40) Dibenzo(a,h)anthracene	26.258	278	466	0.004	ng	# 1
41) Benzo(g,h,i)perylene	26.983	276	2879	0.021	ng	# 68

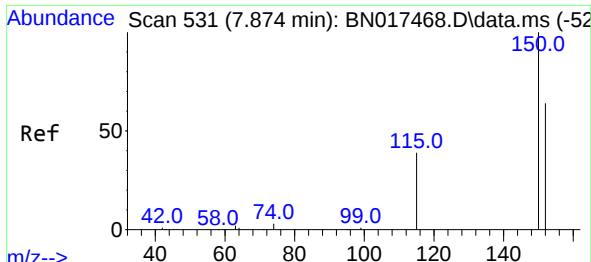
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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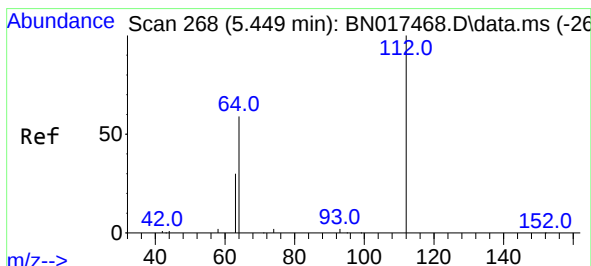
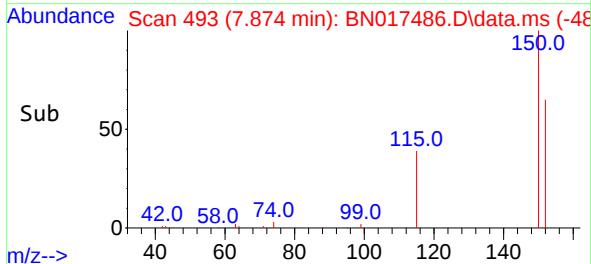
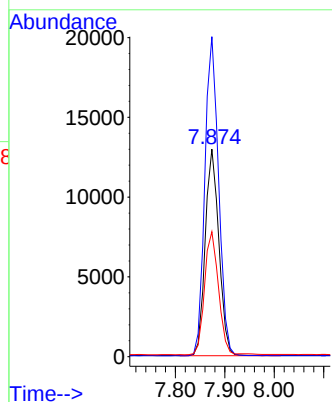
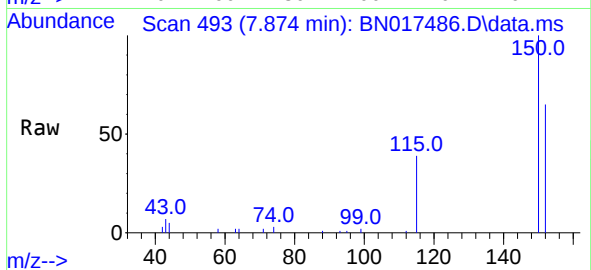




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.874 min Scan# 493
Delta R.T. -0.000 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

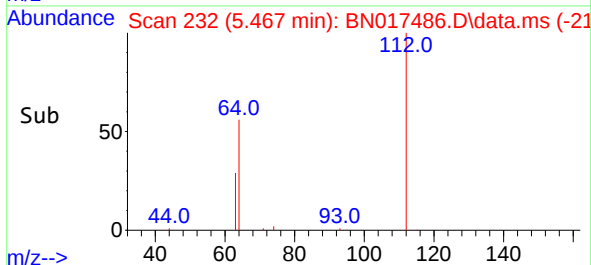
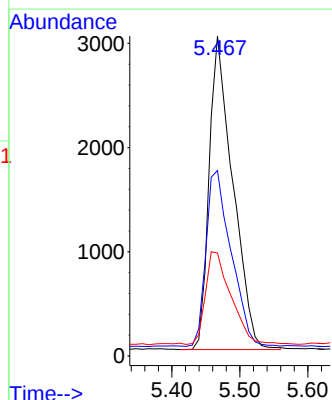
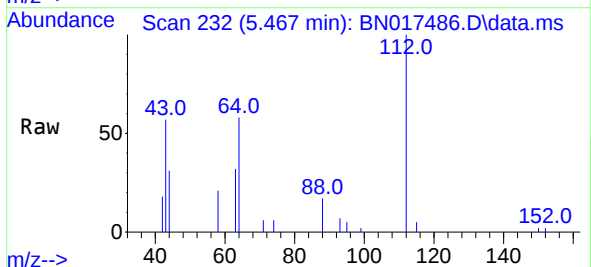
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-723-725

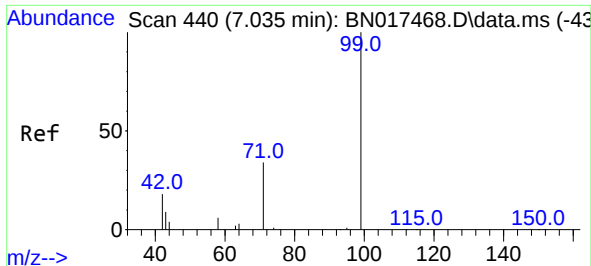
Tgt Ion:152 Resp: 24823
Ion Ratio Lower Upper
152 100
150 154.2 123.0 184.4
115 60.2 45.6 68.4



#4
2-Fluorophenol
Concen: 0.123 ng
RT: 5.467 min Scan# 232
Delta R.T. 0.018 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

Tgt Ion:112 Resp: 7274
Ion Ratio Lower Upper
112 100
64 60.0 47.6 71.4
63 31.9 24.6 37.0





#5

Phenol-d6

Concen: 0.072 ng

RT: 7.035 min Scan# 40

Delta R.T. -0.000 min

Lab File: BN017486.D

Acq: 17 Nov 2021 00:41

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW9-GW-723-725

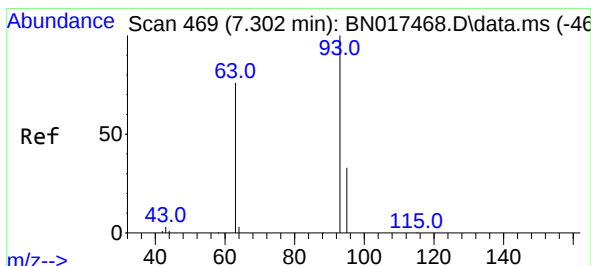
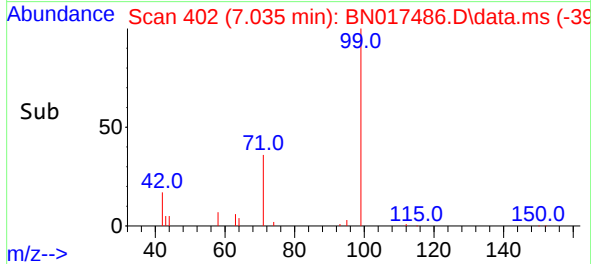
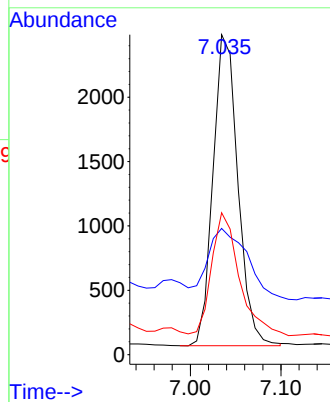
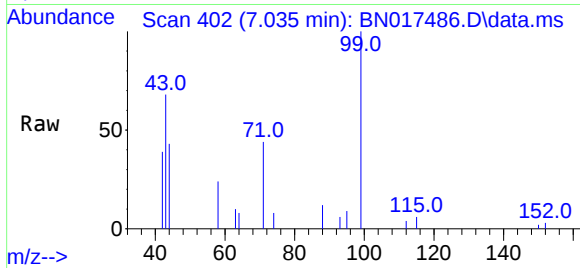
Tgt Ion: 99 Resp: 4604

Ion Ratio Lower Upper

99 100

42 33.6 17.0 25.6#

71 42.5 24.8 37.2#



#6

bis(2-Chloroethyl)ether

Concen: 0.003 ng

RT: 7.320 min Scan# 433

Delta R.T. 0.018 min

Lab File: BN017486.D

Acq: 17 Nov 2021 00:41

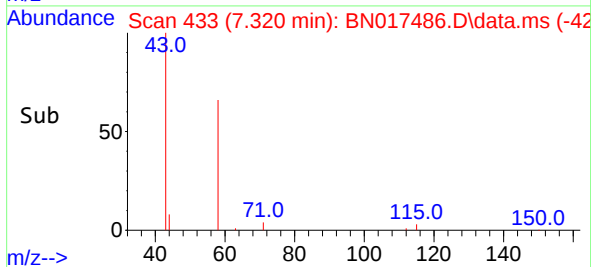
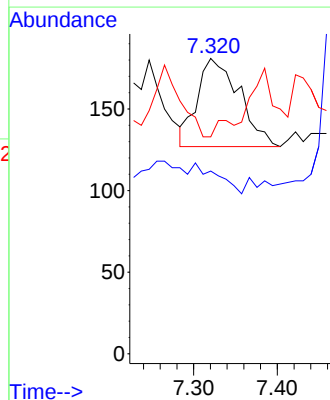
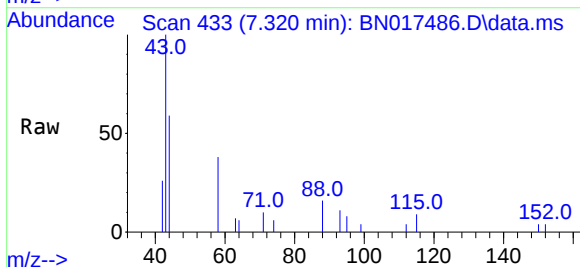
Tgt Ion: 93 Resp: 189

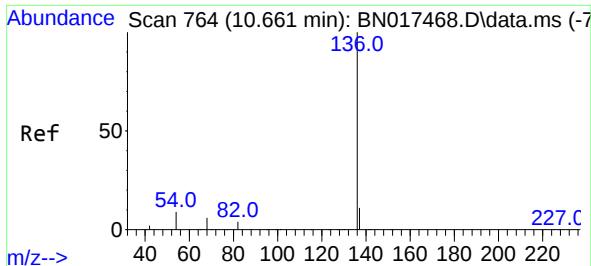
Ion Ratio Lower Upper

93 100

63 0.0 65.8 98.6#

95 0.0 26.6 39.8#

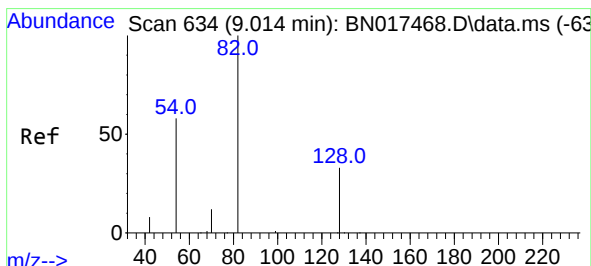
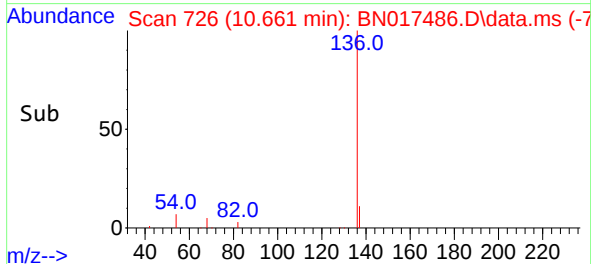
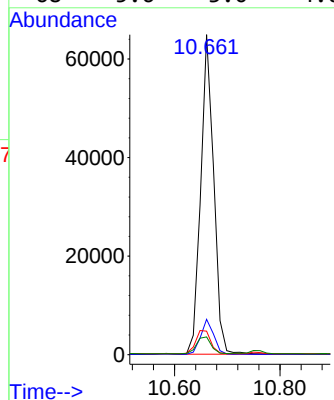
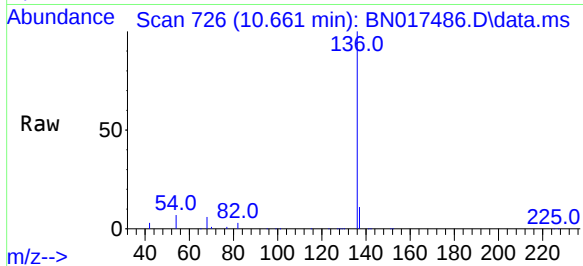




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.661 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

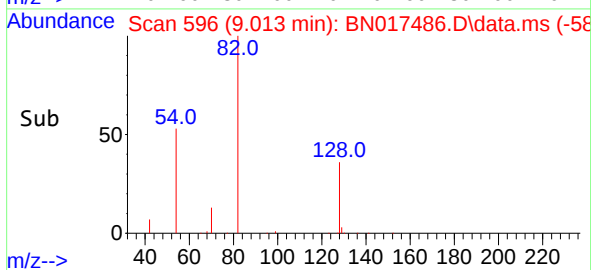
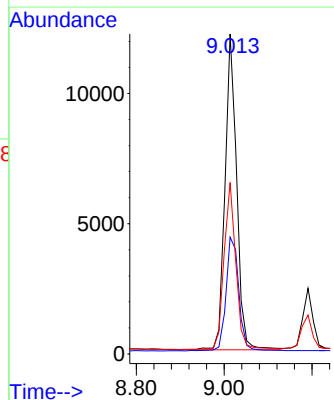
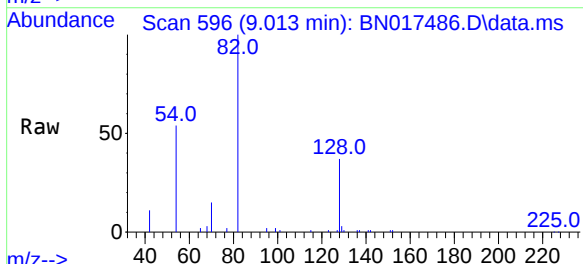
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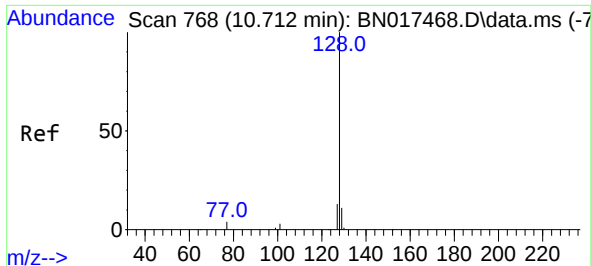
Tgt Ion:	136	Resp:	111465
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.4	4.0	6.0#
68	5.6	3.0	4.6#



#8
Nitrobenzene-d5
Concen: 0.324 ng
RT: 9.013 min Scan# 596
Delta R.T. -0.000 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

Tgt Ion:	82	Resp:	22420
Ion	Ratio	Lower	Upper
82	100		
128	36.5	27.7	41.5
54	53.6	49.2	73.8

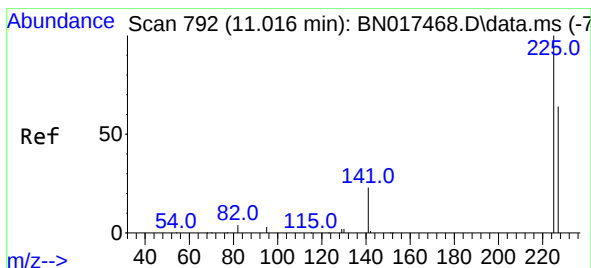
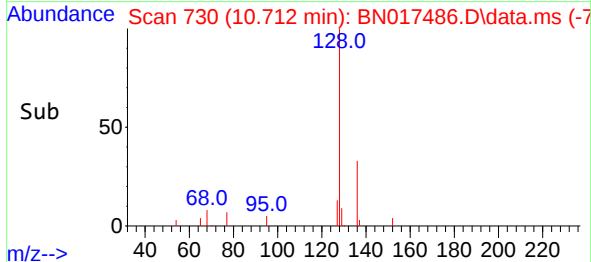
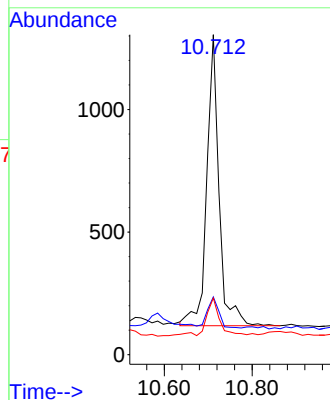
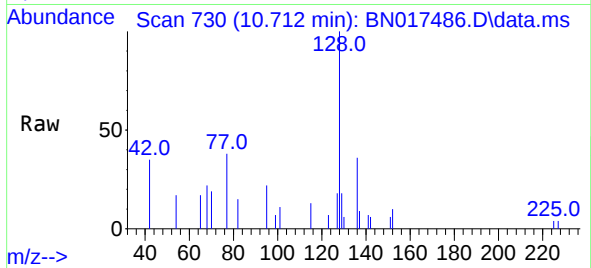




#9
Naphthalene
Concen: 0.008 ng
RT: 10.712 min Scan# 712
Delta R.T. -0.000 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

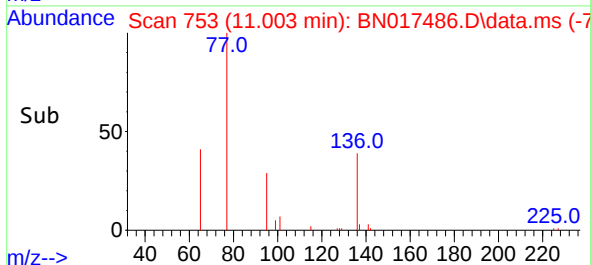
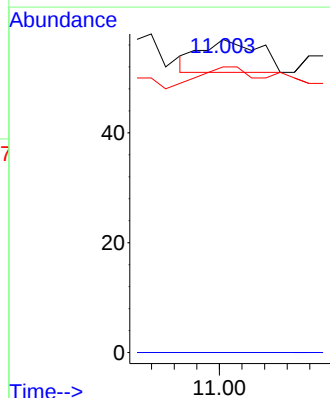
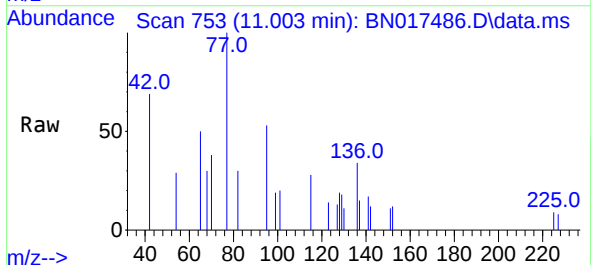
Instrument :
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ClientSampleId :
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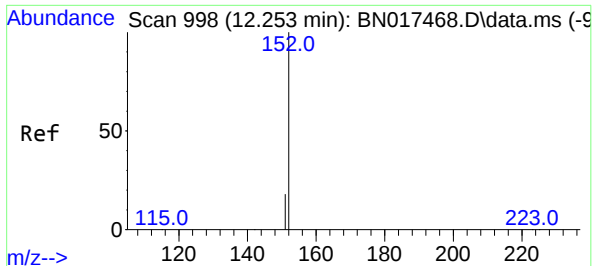
Tgt Ion:128 Resp: 2303
Ion Ratio Lower Upper
128 100
129 18.1 8.8 13.2#
127 17.7 10.6 15.8#



#10
Hexachlorobutadiene
Concen: 0.000 ng
RT: 11.003 min Scan# 753
Delta R.T. -0.013 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

Tgt Ion:225 Resp: 21
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 66.7 51.1 76.7





#11

2-Methylnaphthalene-d10

Concen: 0.278 ng

RT: 12.248 min Scan# 91

Delta R.T. -0.005 min

Lab File: BN017486.D

Acq: 17 Nov 2021 00:41

Instrument :

BNA_N

ClientSampleId :

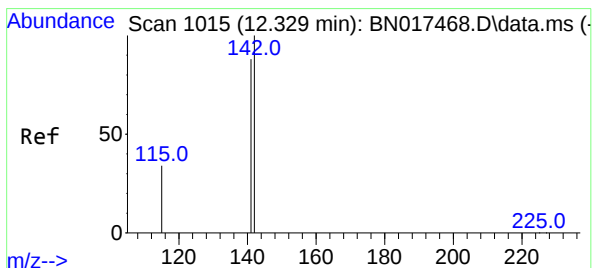
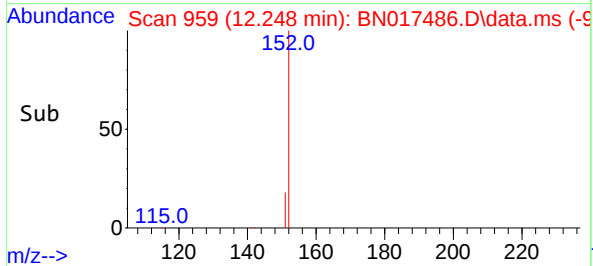
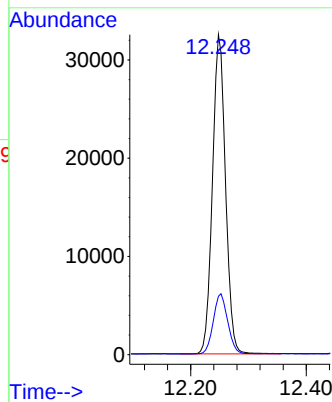
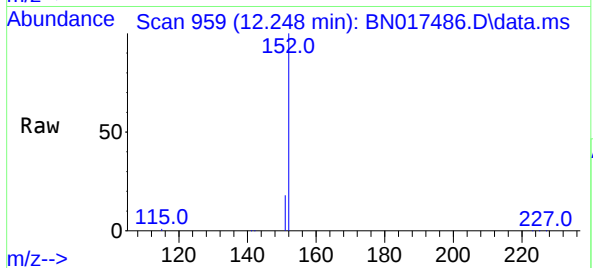
BP-VPB-RW9-GW-723-725

Tgt Ion:152 Resp: 50893

Ion Ratio Lower Upper

152 100

151 20.6 16.2 24.4



#12

2-Methylnaphthalene

Concen: 0.003 ng

RT: 12.324 min Scan# 976

Delta R.T. -0.005 min

Lab File: BN017486.D

Acq: 17 Nov 2021 00:41

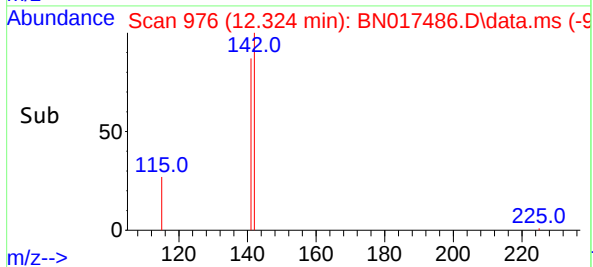
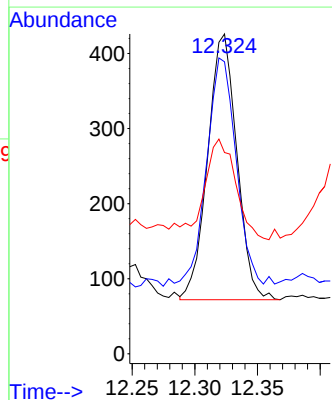
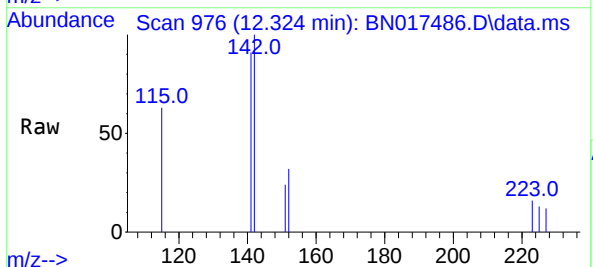
Tgt Ion:142 Resp: 573

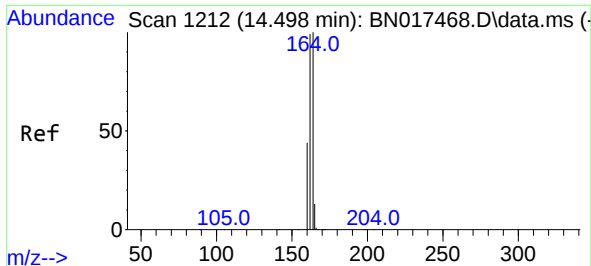
Ion Ratio Lower Upper

142 100

141 91.3 70.6 106.0

115 62.9 25.8 38.6#

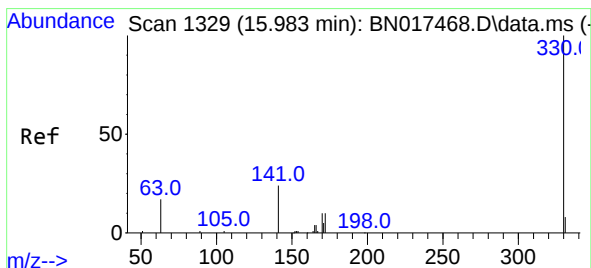
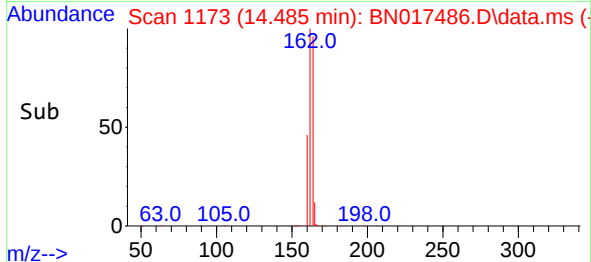
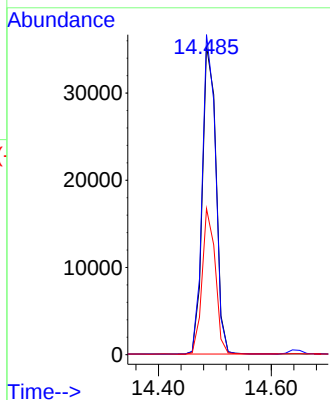
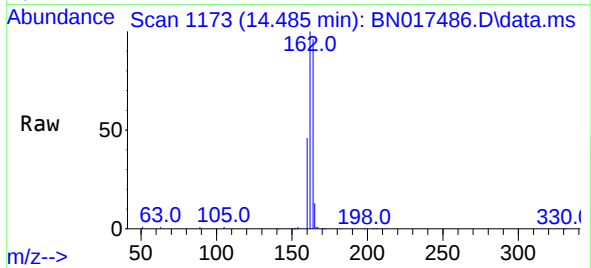




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.485 min Scan# 1173
Delta R.T. -0.013 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

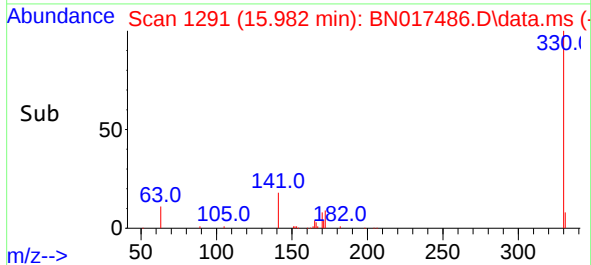
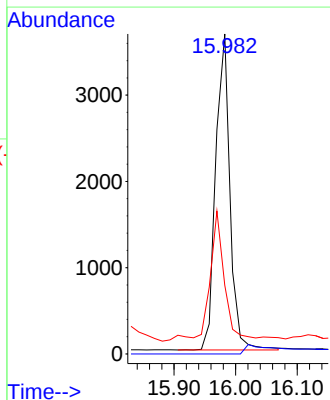
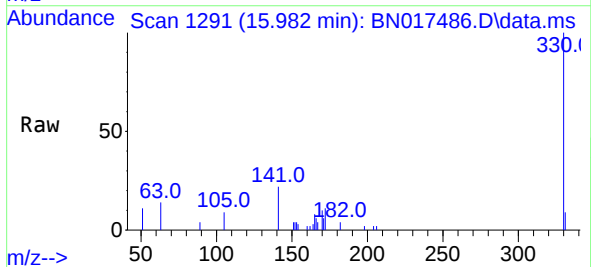
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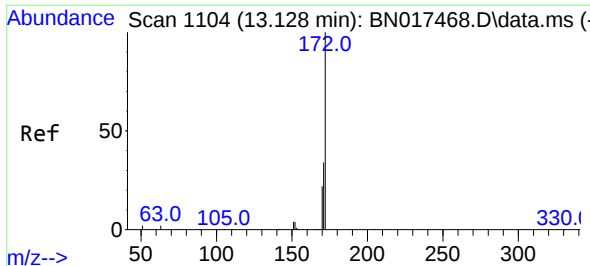
Tgt Ion:164 Resp: 59338
Ion Ratio Lower Upper
164 100
162 103.6 81.4 122.2
160 47.3 36.8 55.2



#14
2,4,6-Tribromophenol
Concen: 0.387 ng
RT: 15.982 min Scan# 1291
Delta R.T. -0.000 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

Tgt Ion:330 Resp: 5836
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 41.0 28.9 43.3

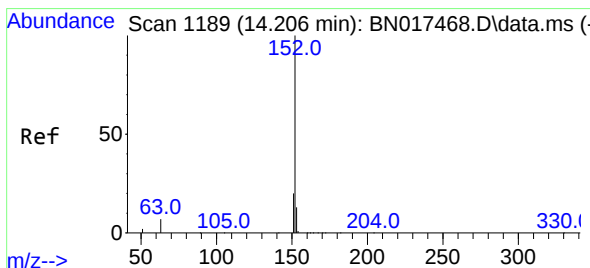
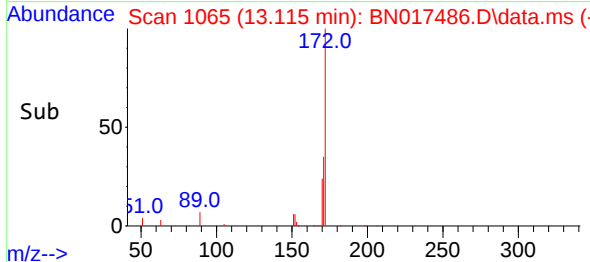
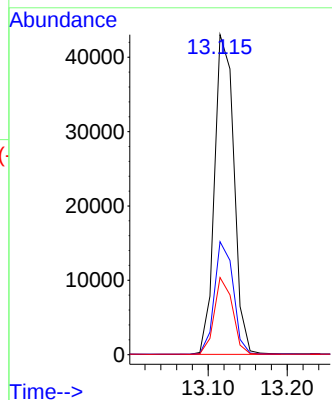
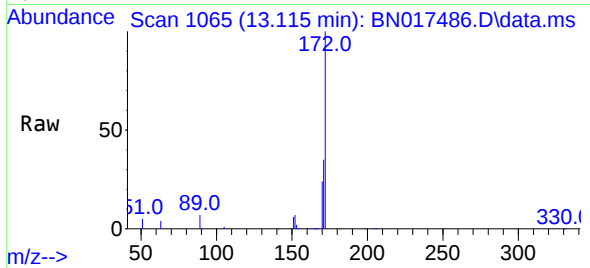




#15
2-Fluorobiphenyl
Concen: 0.329 ng
RT: 13.115 min Scan# 1104
Delta R.T. -0.013 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

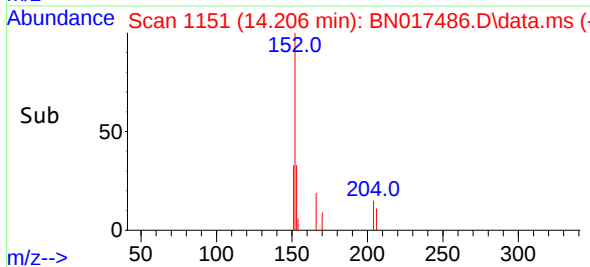
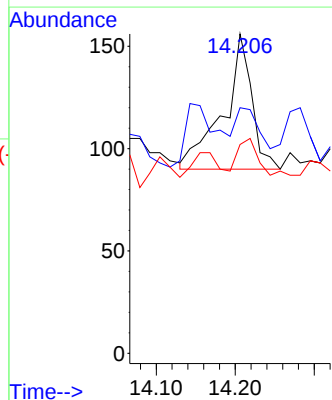
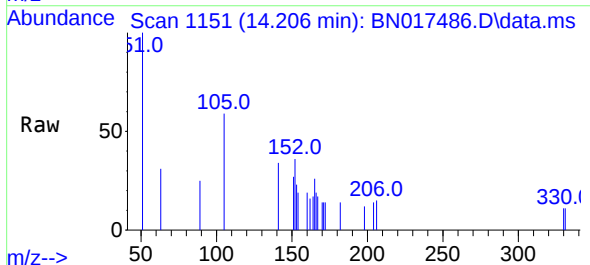
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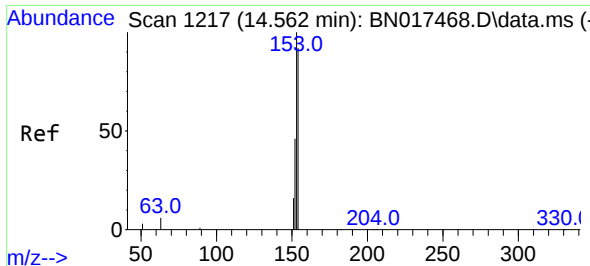
Tgt Ion:172 Resp: 73590
Ion Ratio Lower Upper
172 100
171 35.3 28.7 43.1
170 24.1 19.4 29.2



#16
Acenaphthylene
Concen: 0.001 ng
RT: 14.206 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

Tgt Ion:152 Resp: 164
Ion Ratio Lower Upper
152 100
151 34.8 15.5 23.3#
153 26.2 10.4 15.6#

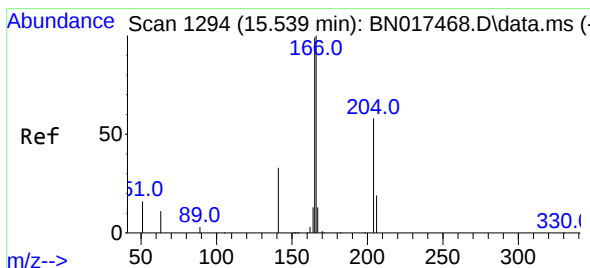
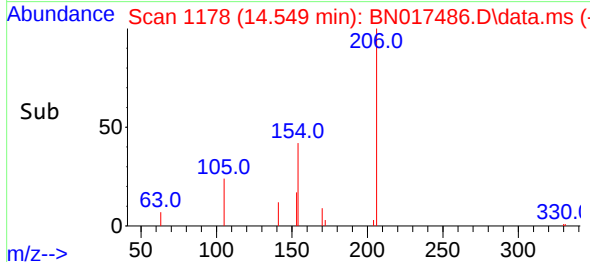
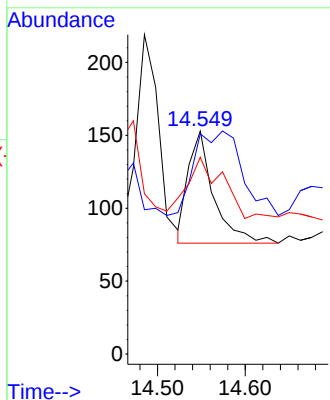
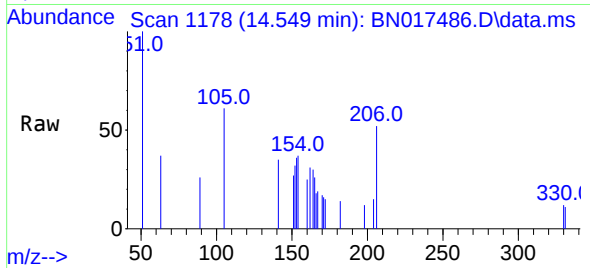




#17
Acenaphthene
Concen: 0.001 ng
RT: 14.549 min Scan# 1178
Delta R.T. -0.013 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

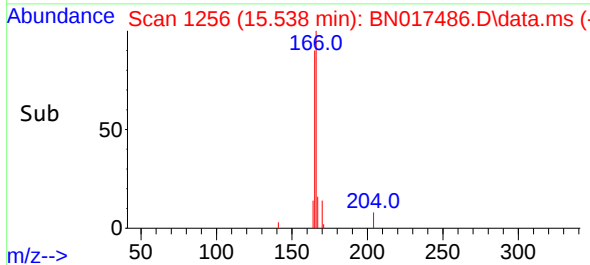
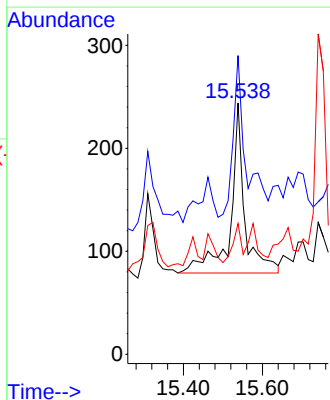
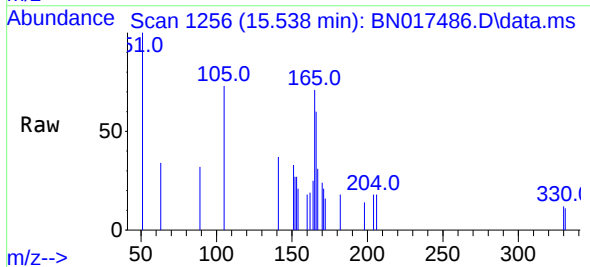
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-723-725

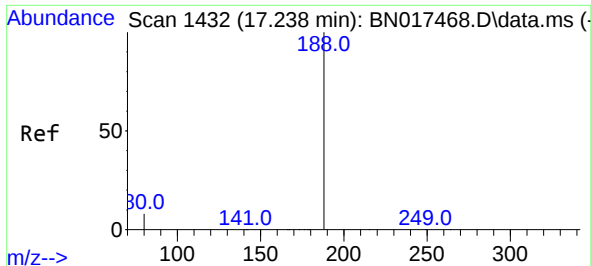
Tgt Ion:154 Resp: 156
Ion Ratio Lower Upper
154 100
153 0.0 91.2 136.8#
152 69.9 44.3 66.5#



#18
Fluorene
Concen: 0.002 ng
RT: 15.538 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

Tgt Ion:166 Resp: 407
Ion Ratio Lower Upper
166 100
165 88.9 77.9 116.9
167 13.0 10.9 16.3

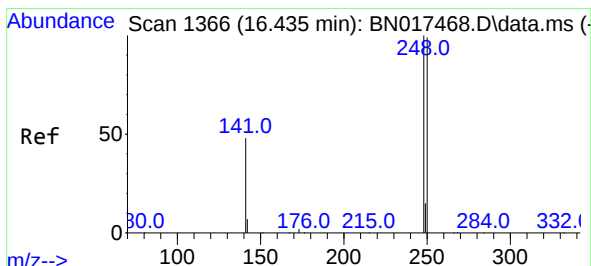
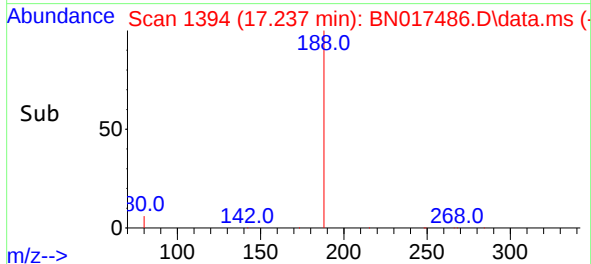
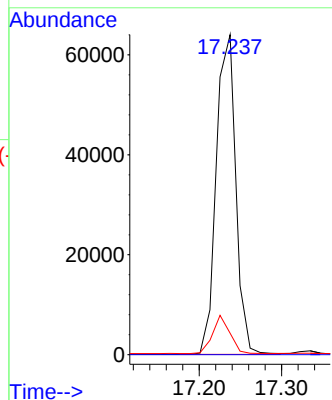
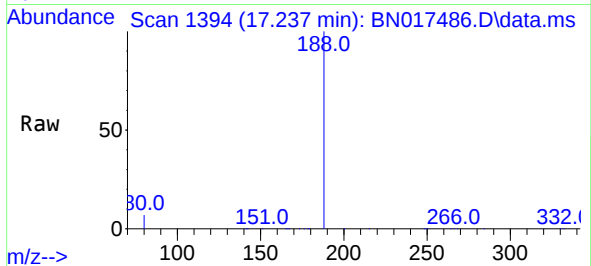




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.237 min Scan# 11
Delta R.T. -0.001 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

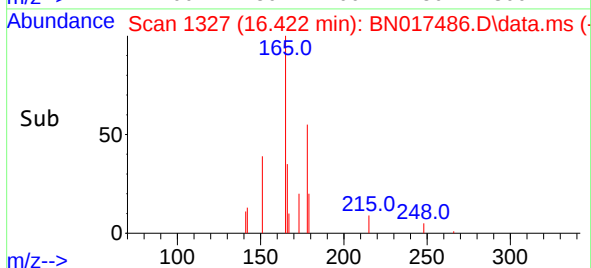
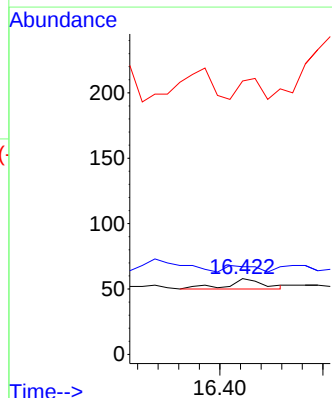
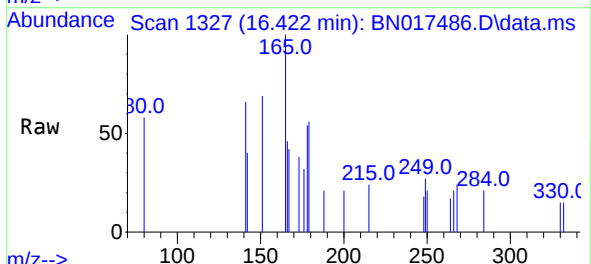
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-723-725

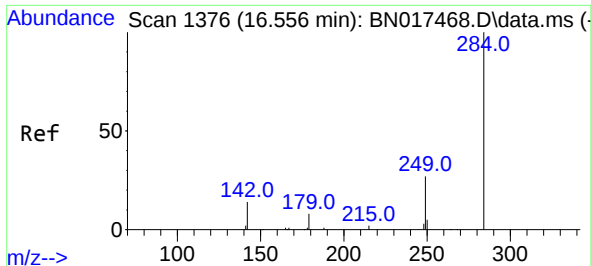
Tgt Ion:188 Resp: 105415
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.7 6.1 9.1



#21
4-Bromophenyl-phenylether
Concen: 0.000 ng
RT: 16.422 min Scan# 1327
Delta R.T. -0.013 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

Tgt Ion:248 Resp: 20
Ion Ratio Lower Upper
248 100
250 115.5 71.8 107.8#
141 360.3 70.9 106.3#

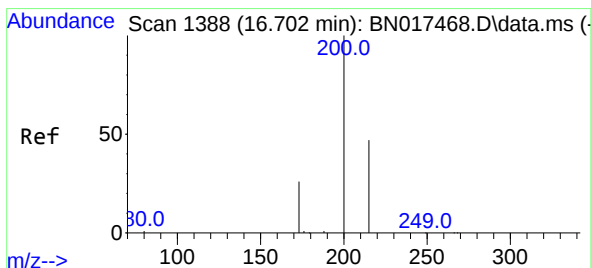
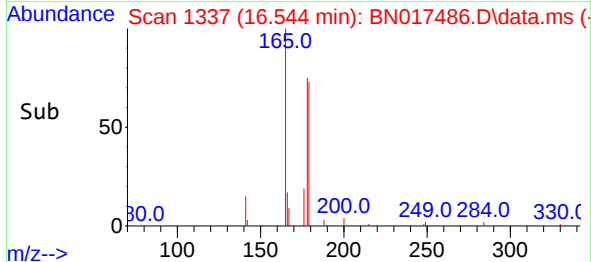
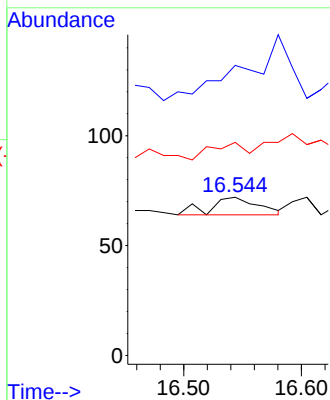
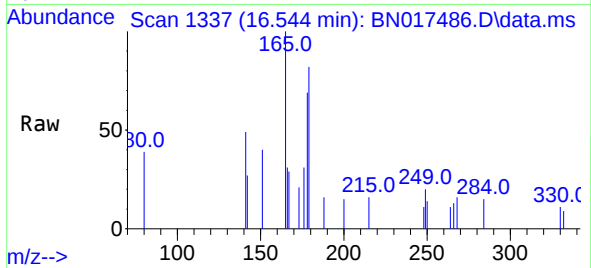




#22
Hexachlorobenzene
Concen: 0.000 ng
RT: 16.544 min Scan# 11
Delta R.T. -0.013 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

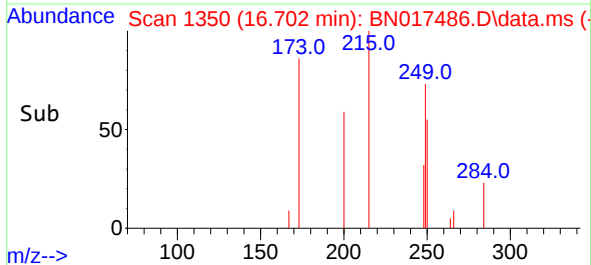
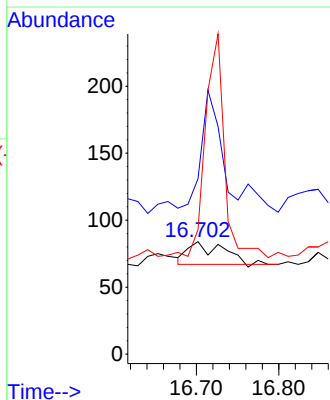
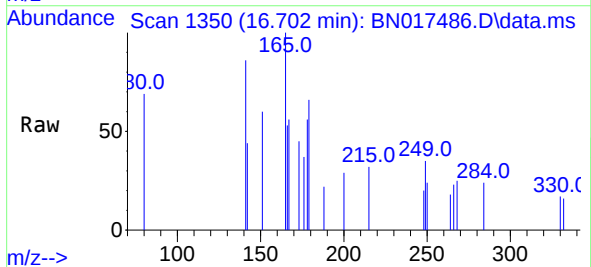
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-723-725

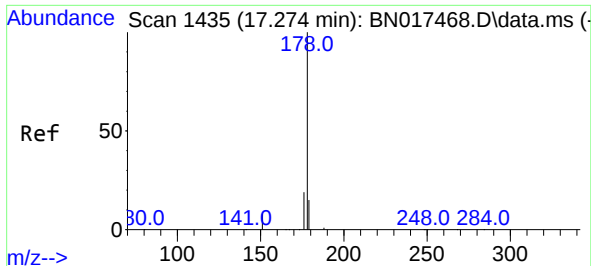
Tgt Ion:284 Resp: 23
Ion Ratio Lower Upper
284 100
142 0.0 28.2 42.2#
249 69.6 24.4 36.6#



#23
Atrazine
Concen: 0.001 ng
RT: 16.702 min Scan# 1350
Delta R.T. -0.000 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

Tgt Ion:200 Resp: 50
Ion Ratio Lower Upper
200 100
173 156.0 17.6 26.4#
215 110.7 40.2 60.4#

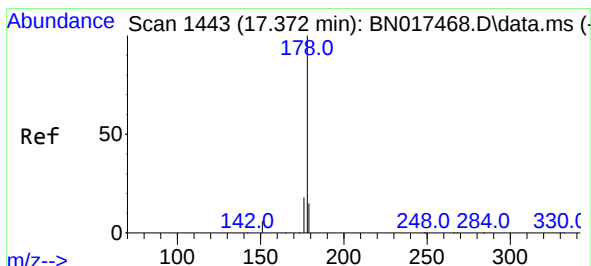
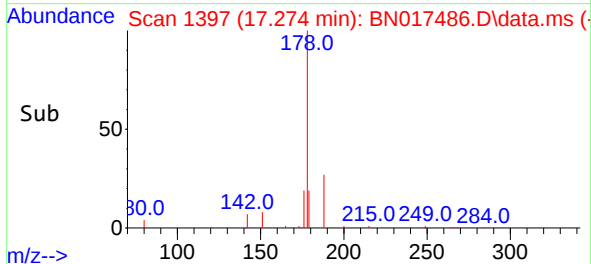
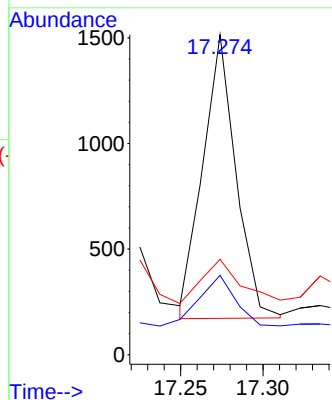
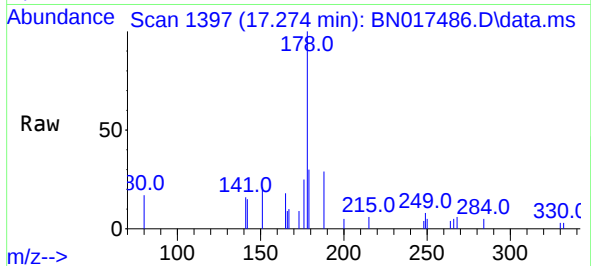




#25
Phenanthrene
Concen: 0.006 ng
RT: 17.274 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

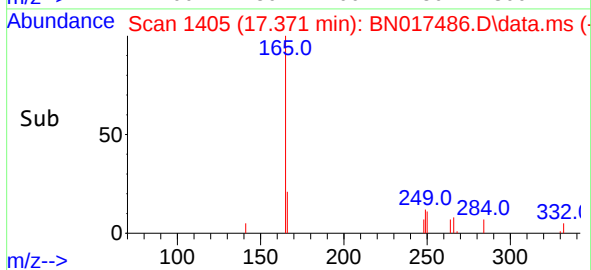
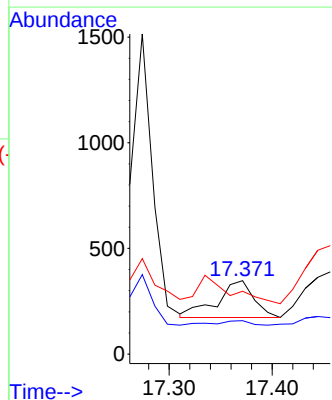
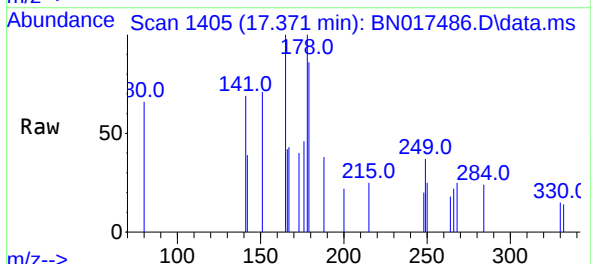
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-723-725

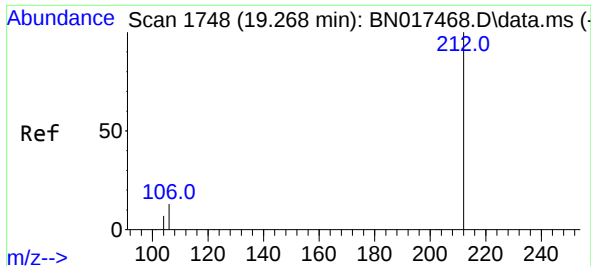
Tgt Ion:178 Resp: 1873
Ion Ratio Lower Upper
178 100
176 21.1 15.0 22.6
179 18.7 12.3 18.5#



#26
Anthracene
Concen: 0.002 ng
RT: 17.371 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

Tgt Ion:178 Resp: 432
Ion Ratio Lower Upper
178 100
176 11.1 14.6 22.0#
179 0.0 12.2 18.4#

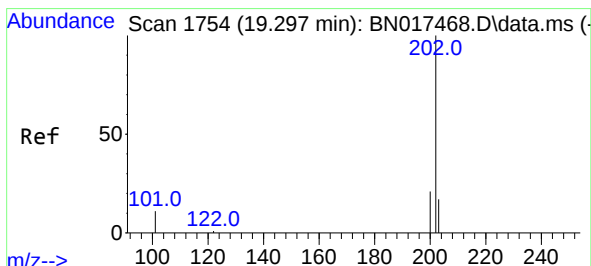
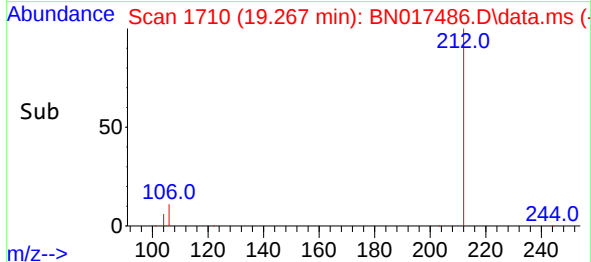
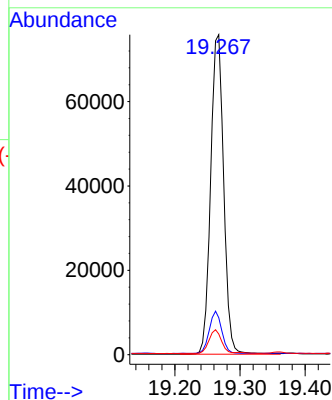
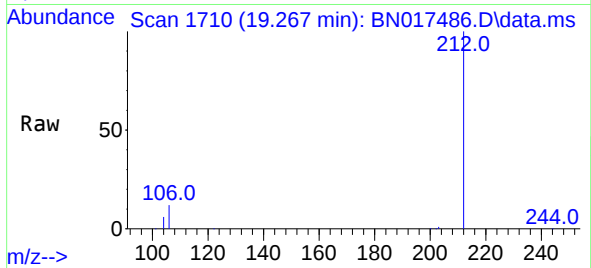




#27
Fluoranthene-d10
Concen: 0.334 ng
RT: 19.267 min Scan# 1710
Delta R.T. -0.000 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

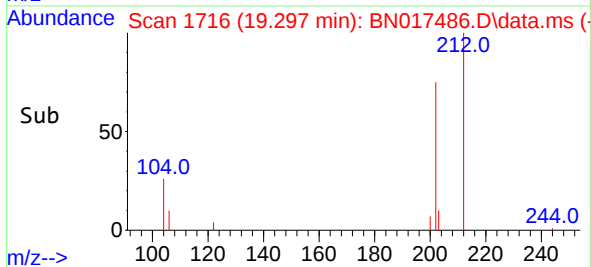
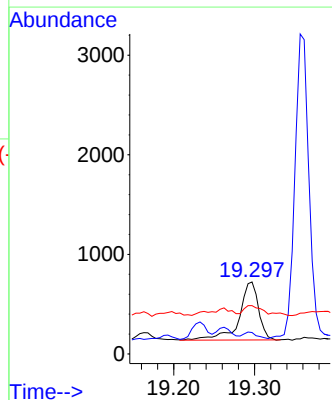
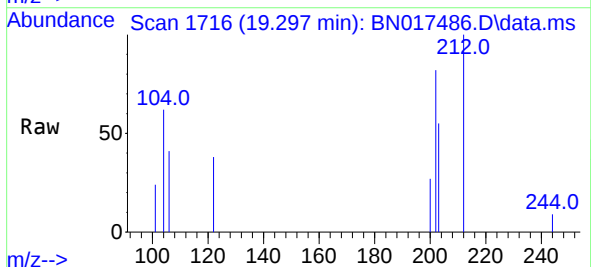
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-723-725

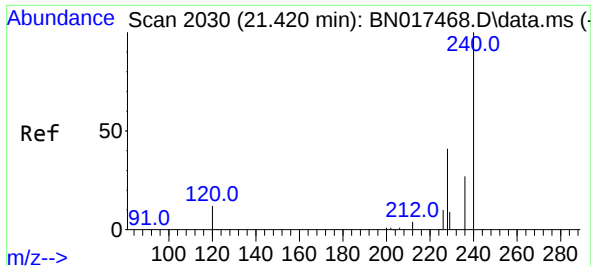
Tgt Ion:212 Resp: 105201
Ion Ratio Lower Upper
212 100
106 12.6 10.5 15.7
104 7.1 5.8 8.6



#28
Fluoranthene
Concen: 0.003 ng
RT: 19.297 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

Tgt Ion:202 Resp: 976
Ion Ratio Lower Upper
202 100
101 0.0 8.9 13.3#
203 17.2 13.8 20.6

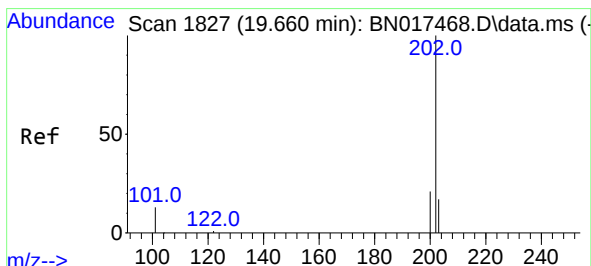
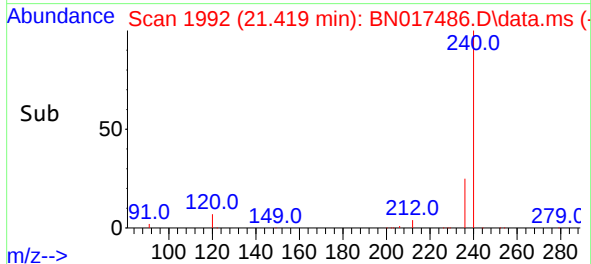
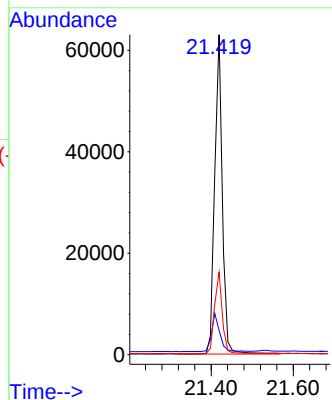
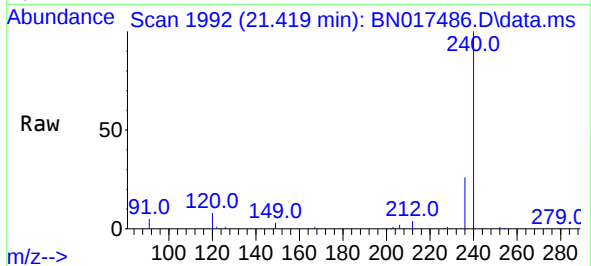




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.419 min Scan# 1992
Delta R.T. -0.000 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

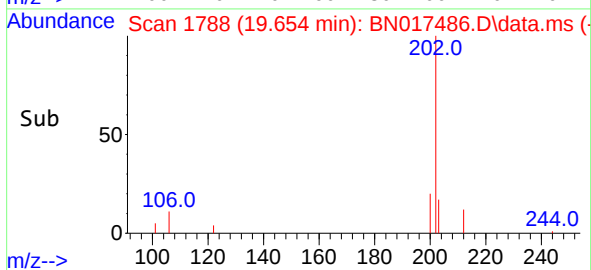
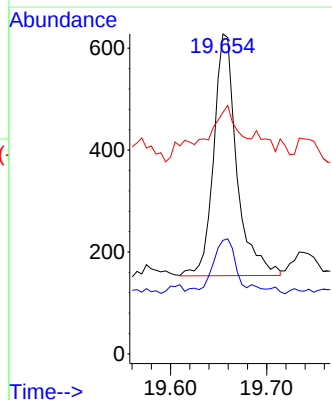
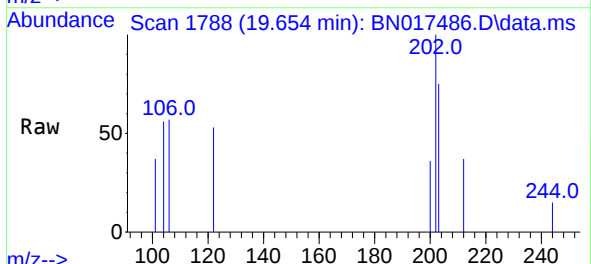
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-723-725

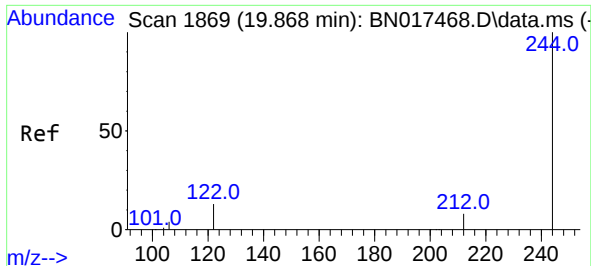
Tgt Ion:240 Resp: 81304
Ion Ratio Lower Upper
240 100
120 7.6 4.2 6.2#
236 25.8 20.0 30.0



#30
Pyrene
Concen: 0.003 ng
RT: 19.654 min Scan# 1788
Delta R.T. -0.005 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

Tgt Ion:202 Resp: 794
Ion Ratio Lower Upper
202 100
200 18.1 16.5 24.7
203 36.3 14.0 21.0#

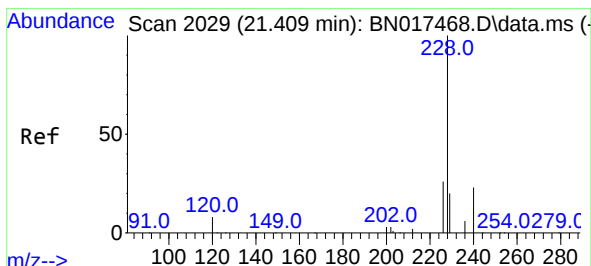
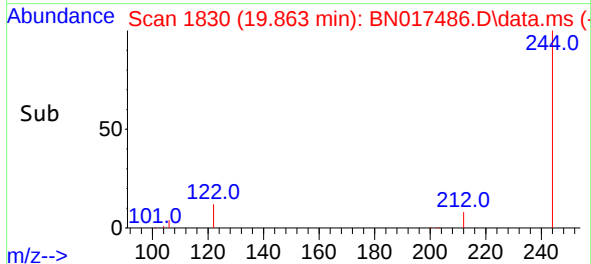
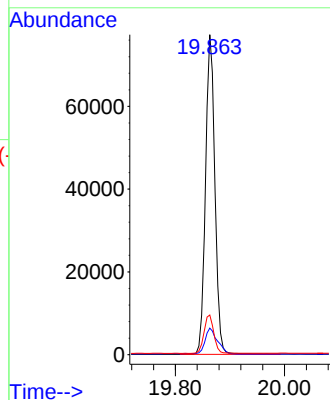
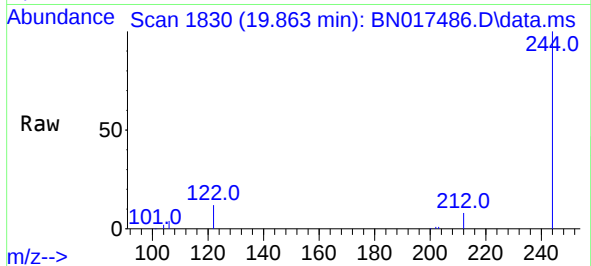




#31
 Terphenyl-d14
 Concen: 0.465 ng
 RT: 19.863 min Scan# 11
 Delta R.T. -0.005 min
 Lab File: BN017486.D
 Acq: 17 Nov 2021 00:41

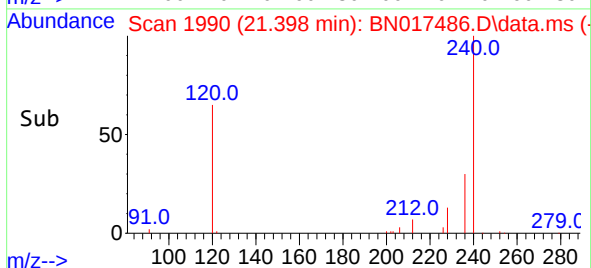
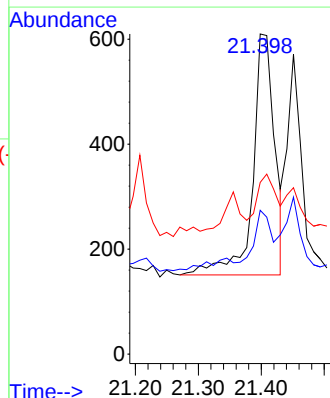
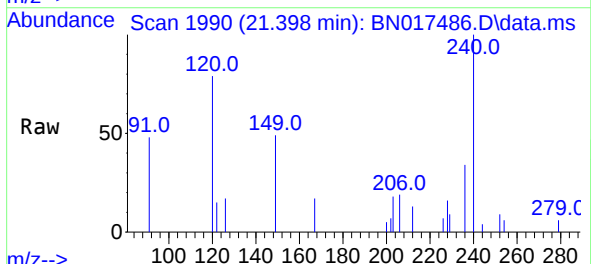
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW9-GW-723-725

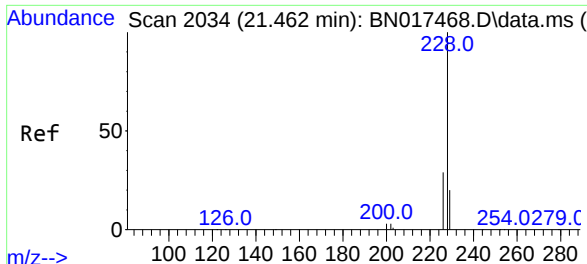
Tgt Ion:244 Resp: 92864
 Ion Ratio Lower Upper
 244 100
 212 8.3 5.7 8.5
 122 12.4 8.6 13.0



#32
 Benzo(a)anthracene
 Concen: 0.004 ng
 RT: 21.398 min Scan# 1990
 Delta R.T. -0.011 min
 Lab File: BN017486.D
 Acq: 17 Nov 2021 00:41

Tgt Ion:228 Resp: 1116
 Ion Ratio Lower Upper
 228 100
 226 44.9 21.3 31.9#
 229 53.6 15.7 23.5#

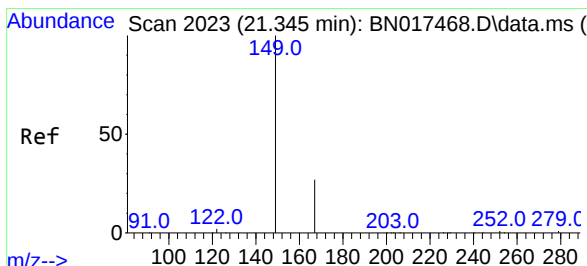
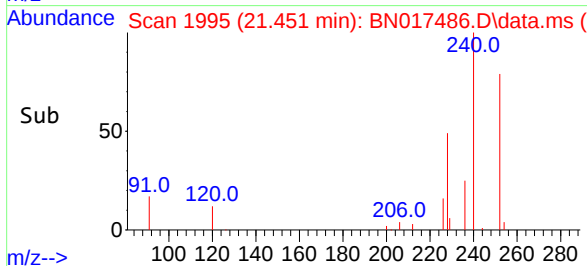
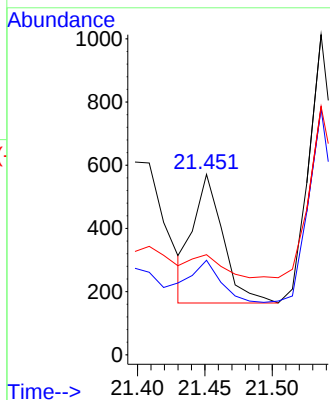
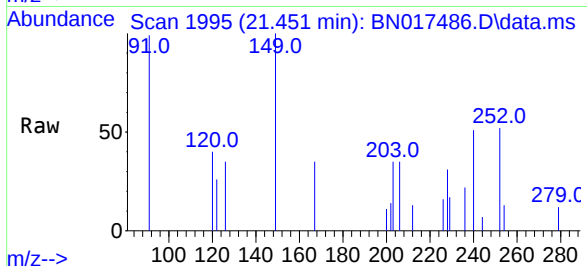




#33
Chrysene
Concen: 0.002 ng
RT: 21.451 min Scan# 1995
Delta R.T. -0.011 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

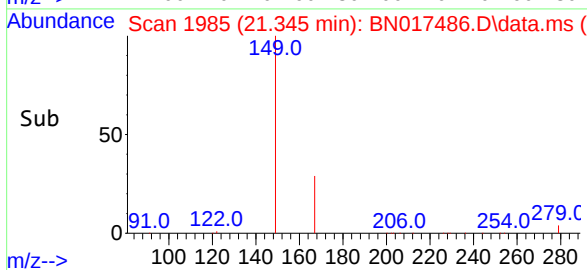
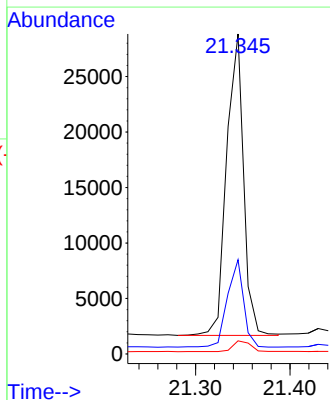
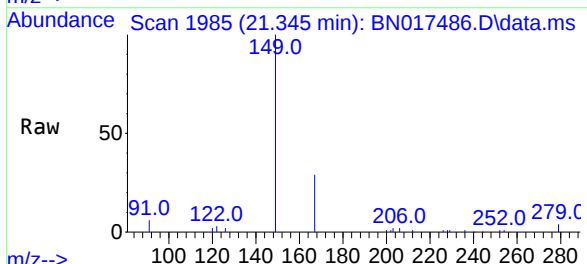
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-723-725

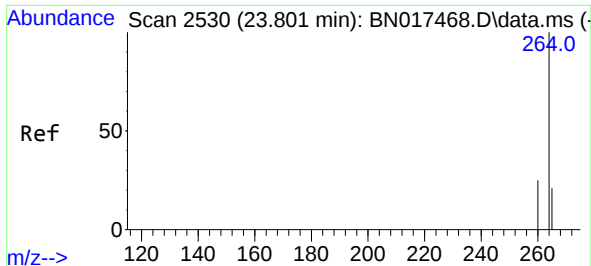
Tgt Ion:228 Resp: 625
Ion Ratio Lower Upper
228 100
226 52.4 23.3 34.9#
229 55.5 15.6 23.4#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.258 ng
RT: 21.345 min Scan# 1985
Delta R.T. -0.000 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

Tgt Ion:149 Resp: 33887
Ion Ratio Lower Upper
149 100
167 27.5 21.8 32.6
279 3.9 3.4 5.0

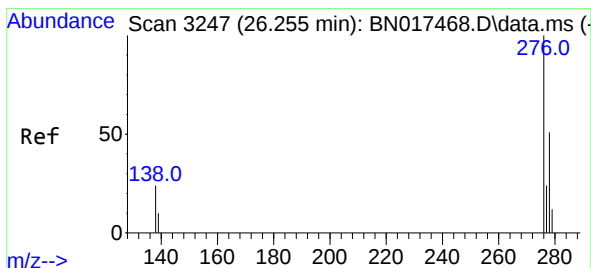
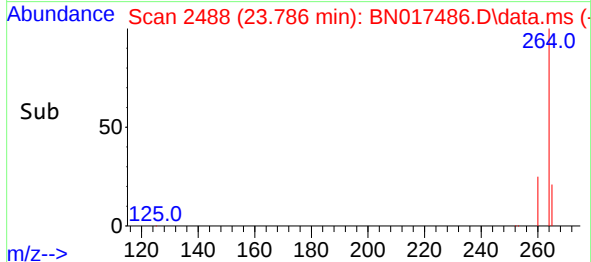
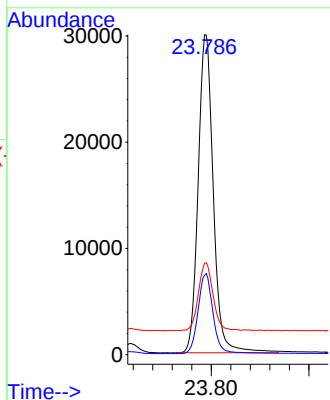
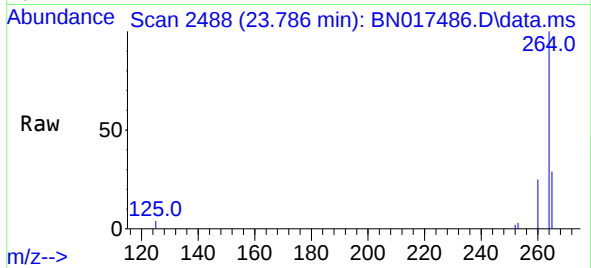




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.786 min Scan# 24
Delta R.T. -0.014 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

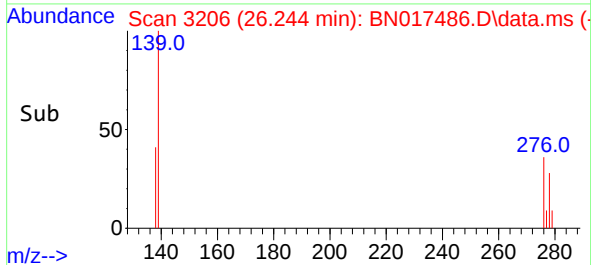
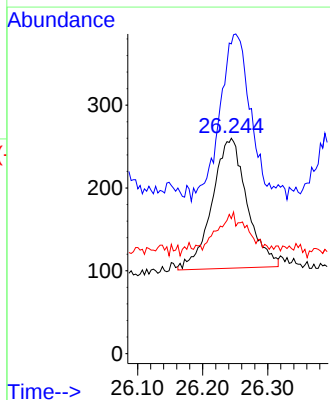
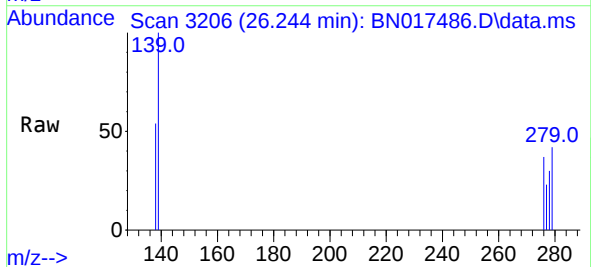
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-723-725

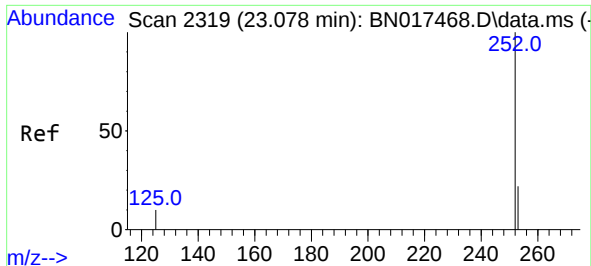
Tgt Ion:264 Resp: 64423
Ion Ratio Lower Upper
264 100
260 24.8 19.4 29.2
265 28.6 18.6 28.0#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.004 ng
RT: 26.244 min Scan# 3206
Delta R.T. -0.011 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

Tgt Ion:276 Resp: 584
Ion Ratio Lower Upper
276 100
138 114.7 19.7 29.5#
277 15.2 20.0 30.0#





#37

Benzo(b)fluoranthene

Concen: 0.002 ng

RT: 23.071 min Scan# 2457

Delta R.T. -0.007 min

Lab File: BN017486.D

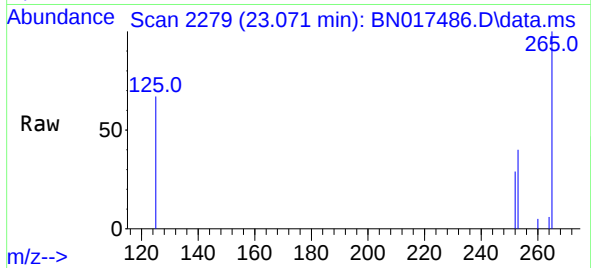
Acq: 17 Nov 2021 00:41

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW9-GW-723-725



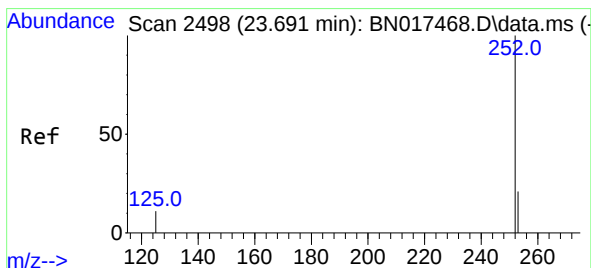
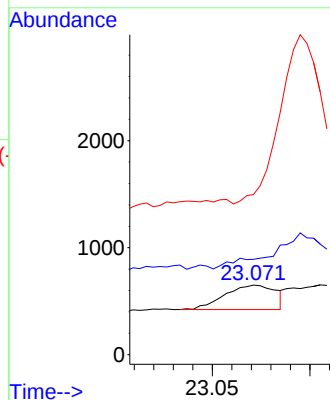
Tgt Ion:252 Resp: 416

Ion Ratio Lower Upper

252 100

253 136.9 17.7 26.5#

125 230.0 7.8 11.8#



#39

Benzo(a)pyrene

Concen: 0.001 ng

RT: 23.680 min Scan# 2457

Delta R.T. -0.011 min

Lab File: BN017486.D

Acq: 17 Nov 2021 00:41

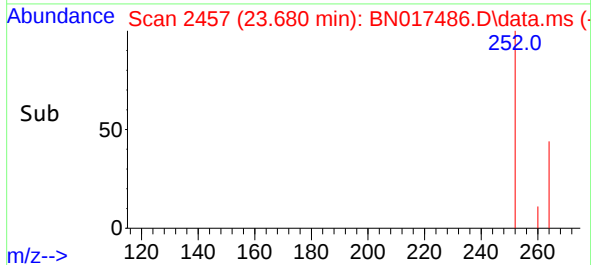
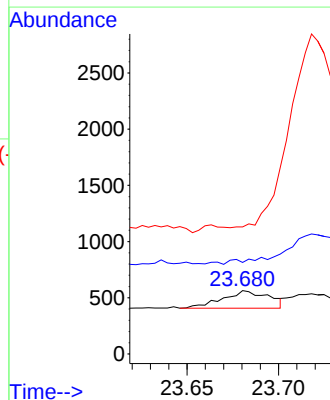
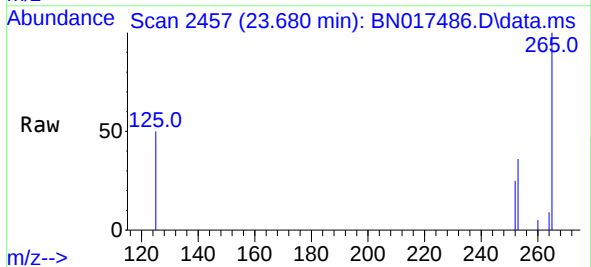
Tgt Ion:252 Resp: 277

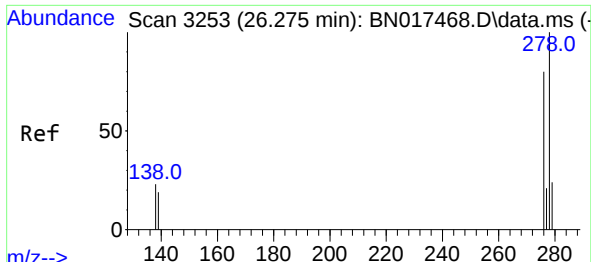
Ion Ratio Lower Upper

252 100

253 144.3 17.9 26.9#

125 200.4 9.2 13.8#

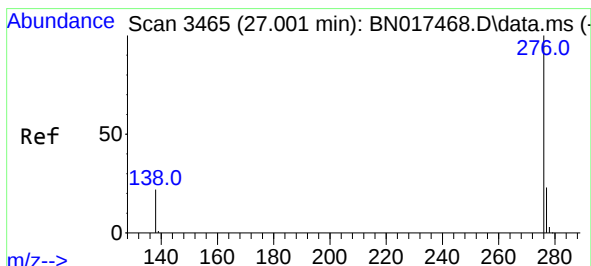
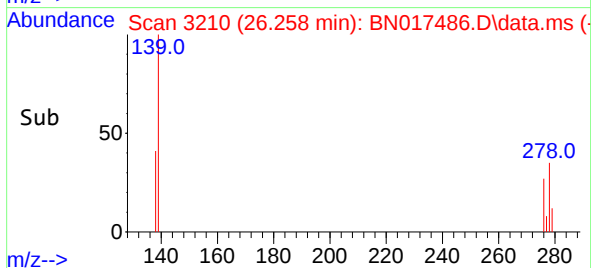
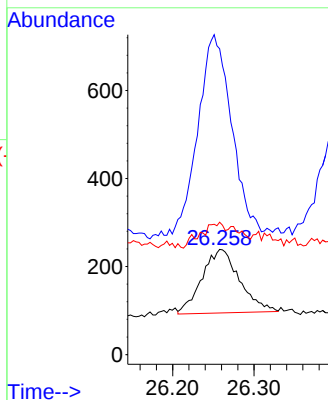
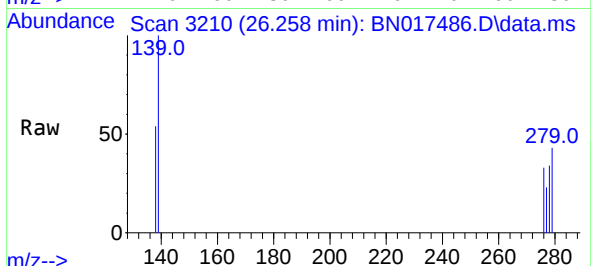




#40
Dibenzo(a,h)anthracene
Concen: 0.004 ng
RT: 26.258 min Scan# 31
Delta R.T. -0.018 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-723-725

Tgt Ion:278 Resp: 466
Ion Ratio Lower Upper
278 100
139 290.8 13.0 19.6#
279 125.9 19.2 28.8#



#41
Benzo(g,h,i)perylene
Concen: 0.021 ng
RT: 26.983 min Scan# 3422
Delta R.T. -0.018 min
Lab File: BN017486.D
Acq: 17 Nov 2021 00:41

Tgt Ion:276 Resp: 2879
Ion Ratio Lower Upper
276 100
277 34.0 19.0 28.4#
138 42.3 17.1 25.7#

