

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111621\
 Data File : BN017485.D
 Acq On : 17 Nov 2021 00:05
 Operator : CG/JU
 Sample : M4668-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW9-GW-678-680

Quant Time: Nov 17 01:20:23 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)

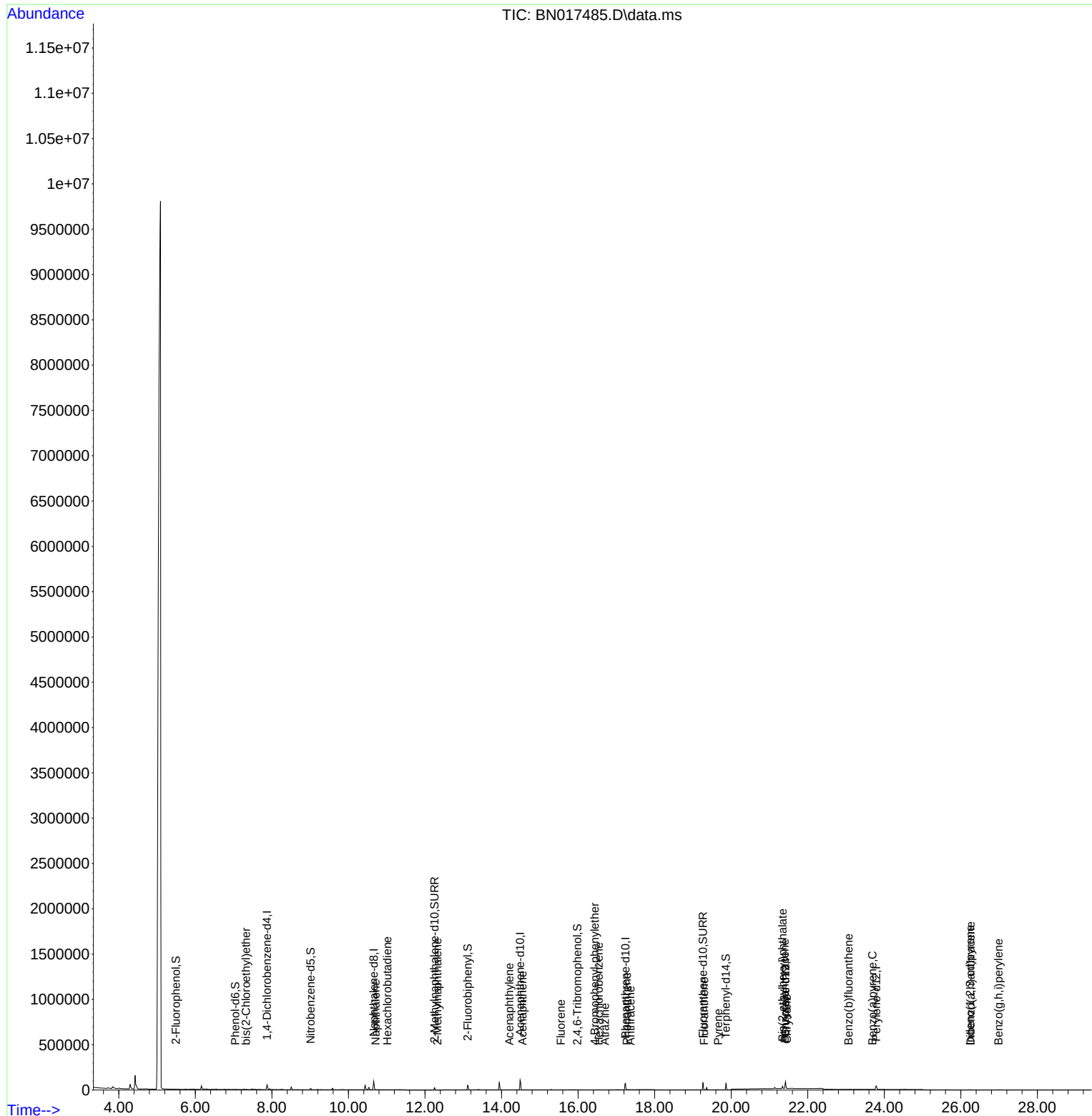
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.874	152	26604	0.400	ng	0.00
7) Naphthalene-d8	10.661	136	119869	0.400	ng	# 0.00
13) Acenaphthene-d10	14.485	164	64270	0.400	ng	-0.01
19) Phenanthrene-d10	17.238	188	108749	0.400	ng	0.00
29) Chrysene-d12	21.420	240	75299	0.400	ng	# 0.00
35) Perylene-d12	23.790	264	59171	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.495	112	474	0.007	ng	0.05
5) Phenol-d6	7.044	99	626	0.009	ng	0.00
8) Nitrobenzene-d5	9.014	82	12683	0.171	ng	0.00
11) 2-Methylnaphthalene-d10	12.248	152	36412	0.185	ng	0.00
14) 2,4,6-Tribromophenol	15.983	330	413	0.025	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	47653	0.197	ng	-0.01
27) Fluoranthene-d10	19.262	212	88953	0.274	ng	0.00
31) Terphenyl-d14	19.863	244	67206	0.364	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.321	93	170	0.002	ng	# 71
9) Naphthalene	10.712	128	2359	0.008	ng	# 86
10) Hexachlorobutadiene	11.016	225	9	0.000	ng	# 68
12) 2-Methylnaphthalene	12.324	142	586	0.003	ng	# 80
16) Acenaphthylene	14.206	152	94	0.000	ng	# 35
17) Acenaphthene	14.549	154	142	0.001	ng	# 79
18) Fluorene	15.551	166	614	0.003	ng	# 54
21) 4-Bromophenyl-phenylether	16.434	248	23	0.000	ng	# 1
22) Hexachlorobenzene	16.544	284	9	0.000	ng	# 1
23) Atrazine	16.702	200	105	0.003	ng	# 1
25) Phenanthrene	17.274	178	2130	0.007	ng	# 73
26) Anthracene	17.371	178	266	0.001	ng	# 59
28) Fluoranthene	19.297	202	830	0.003	ng	# 83
30) Pyrene	19.660	202	845	0.003	ng	# 91
32) Benzo(a)anthracene	21.398	228	1245	0.005	ng	# 1
33) Chrysene	21.451	228	509	0.002	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.345	149	25764	0.211	ng	97
36) Indeno(1,2,3-cd)pyrene	26.244	276	653	0.005	ng	# 32
37) Benzo(b)fluoranthene	23.068	252	420	0.002	ng	# 1
39) Benzo(a)pyrene	23.687	252	356	0.002	ng	# 1
40) Dibenzo(a,h)anthracene	26.258	278	576	0.006	ng	# 1
41) Benzo(g,h,i)perylene	26.984	276	3342	0.026	ng	# 44

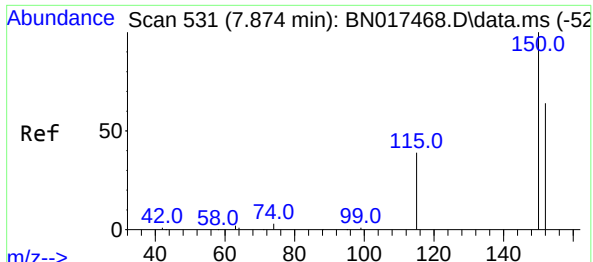
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111621\
Data File : BN017485.D
Acq On : 17 Nov 2021 00:05
Operator : CG/JU
Sample : M4668-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-678-680

Quant Time: Nov 17 01:20:23 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

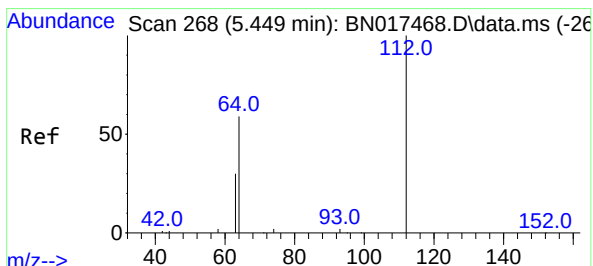
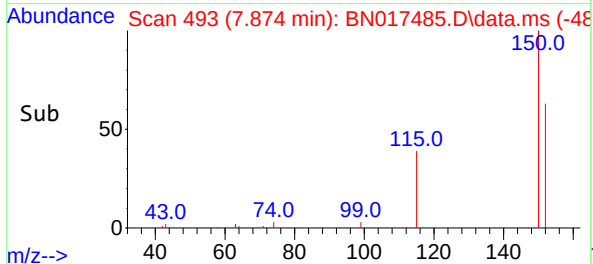
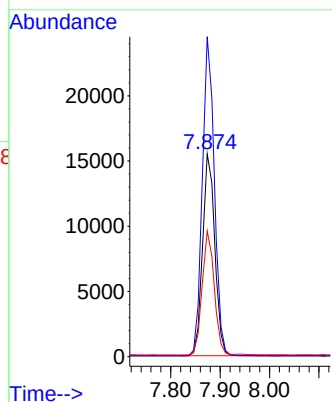
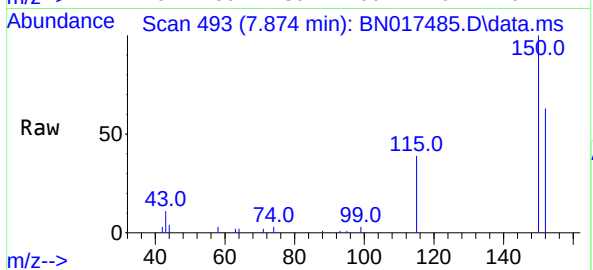




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.874 min Scan# 493
Delta R.T. -0.000 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

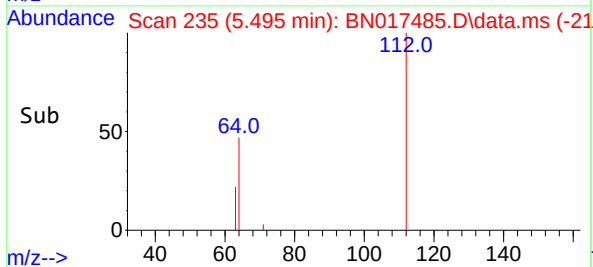
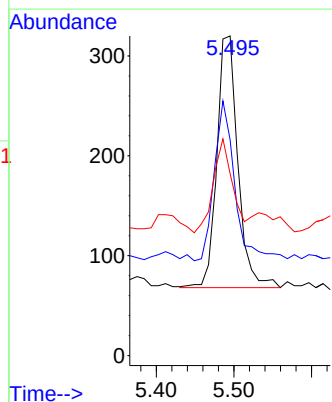
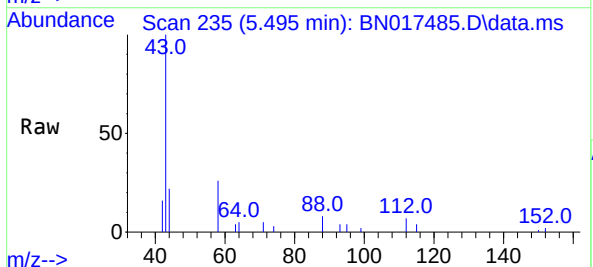
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-678-680

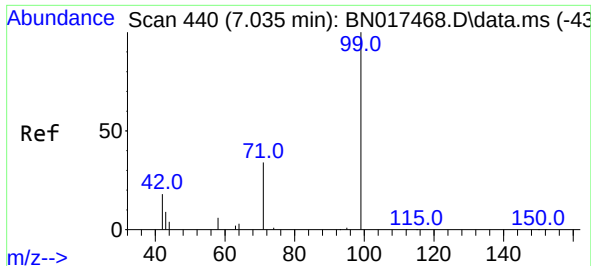
Tgt Ion:152 Resp: 26604
Ion Ratio Lower Upper
152 100
150 157.8 123.0 184.4
115 62.1 45.6 68.4



#4
2-Fluorophenol
Concen: 0.007 ng
RT: 5.495 min Scan# 235
Delta R.T. 0.046 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

Tgt Ion:112 Resp: 474
Ion Ratio Lower Upper
112 100
64 62.0 47.6 71.4
63 35.4 24.6 37.0





#5

Phenol-d6

Concen: 0.009 ng

RT: 7.044 min Scan# 403

Delta R.T. 0.009 min

Lab File: BN017485.D

Acq: 17 Nov 2021 00:05

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW9-GW-678-680

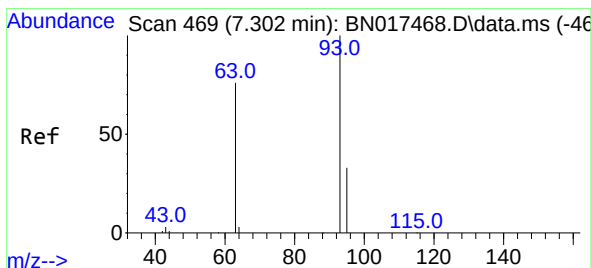
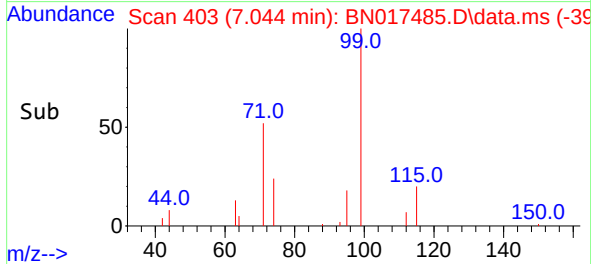
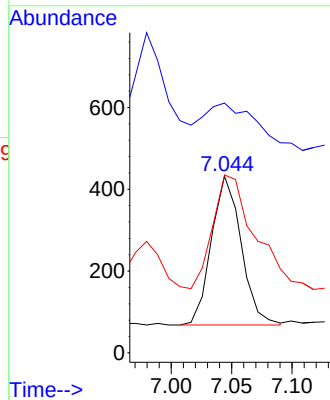
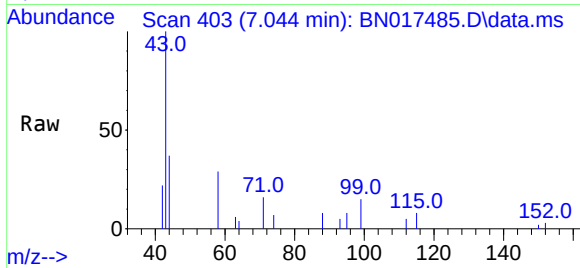
Tgt Ion: 99 Resp: 626

Ion Ratio Lower Upper

99 100

42 41.9 17.0 25.6#

71 105.9 24.8 37.2#



#6

bis(2-Chloroethyl)ether

Concen: 0.002 ng

RT: 7.321 min Scan# 433

Delta R.T. 0.018 min

Lab File: BN017485.D

Acq: 17 Nov 2021 00:05

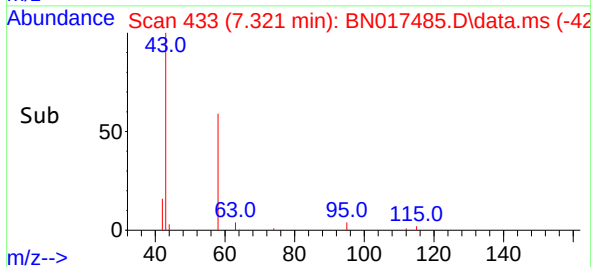
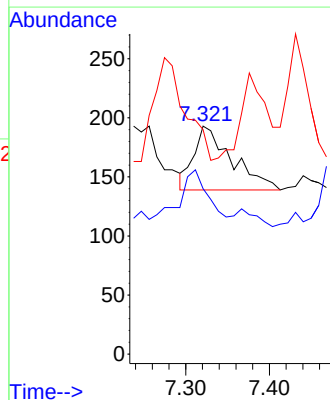
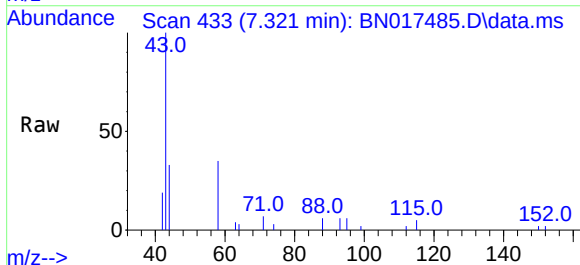
Tgt Ion: 93 Resp: 170

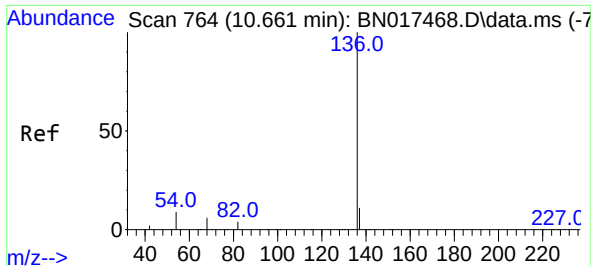
Ion Ratio Lower Upper

93 100

63 66.5 65.8 98.6

95 0.0 26.6 39.8#

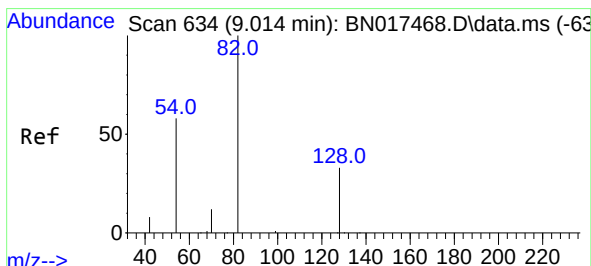
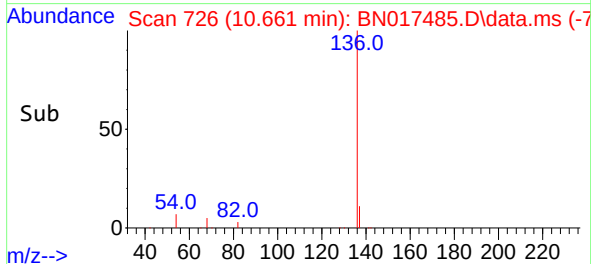
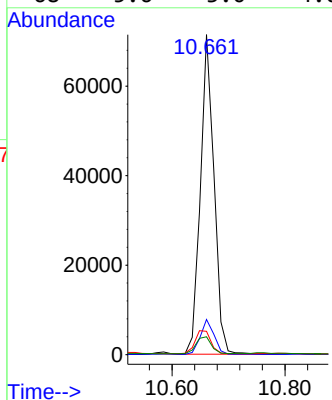
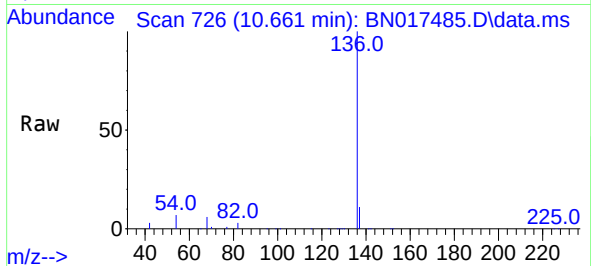




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.661 min Scan# 764
Delta R.T. -0.000 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

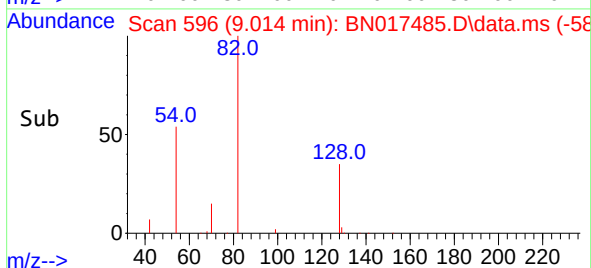
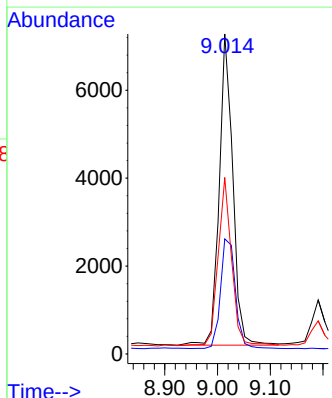
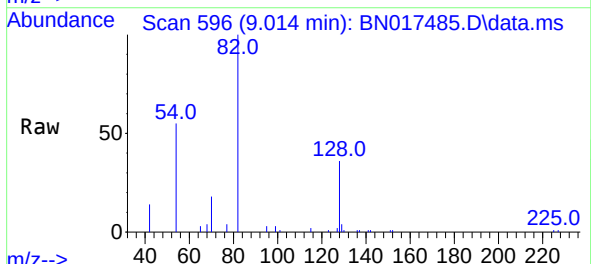
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-678-680

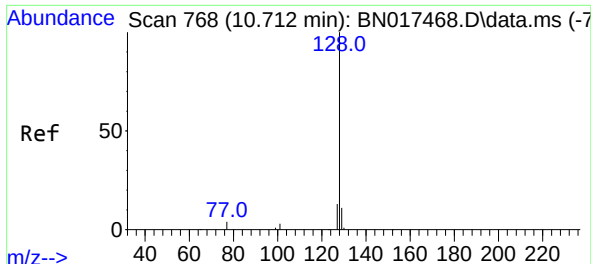
Tgt Ion:	136	Resp:	119869
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	7.3	4.0	6.0#
68	5.6	3.0	4.6#



#8
Nitrobenzene-d5
Concen: 0.171 ng
RT: 9.014 min Scan# 596
Delta R.T. -0.000 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

Tgt Ion:	82	Resp:	12683
Ion Ratio	Lower	Upper	
82	100		
128	36.0	27.7	41.5
54	55.1	49.2	73.8

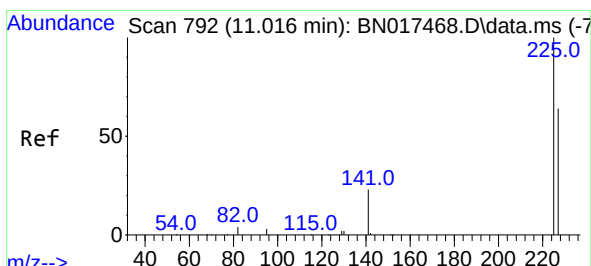
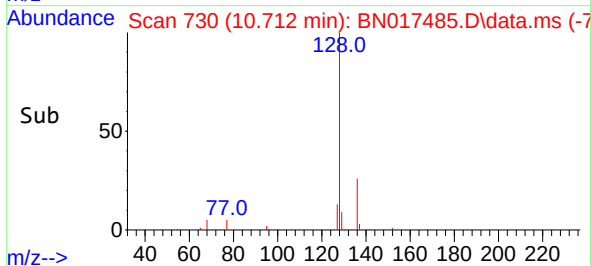
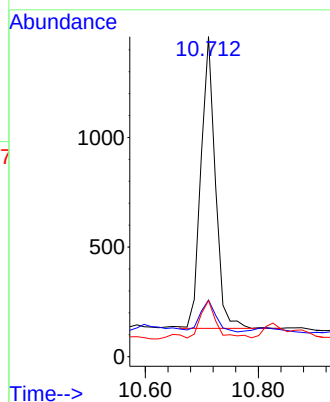
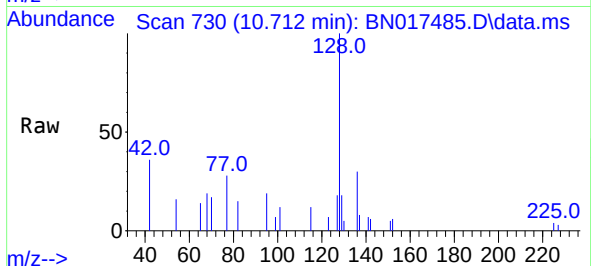




#9
Naphthalene
Concen: 0.008 ng
RT: 10.712 min Scan# 712
Delta R.T. -0.000 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

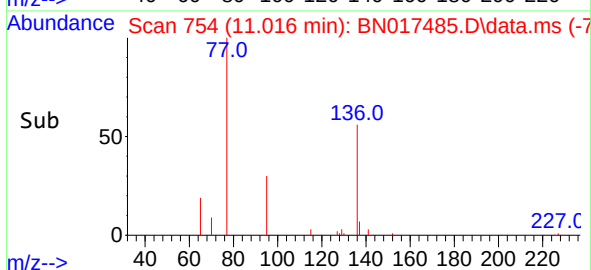
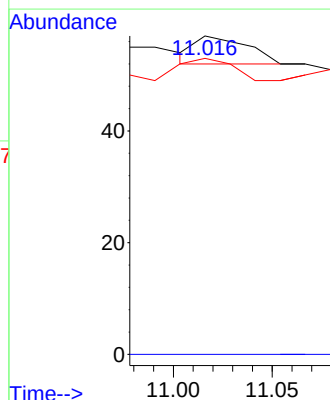
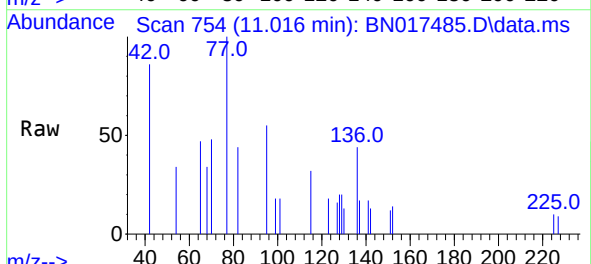
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-678-680

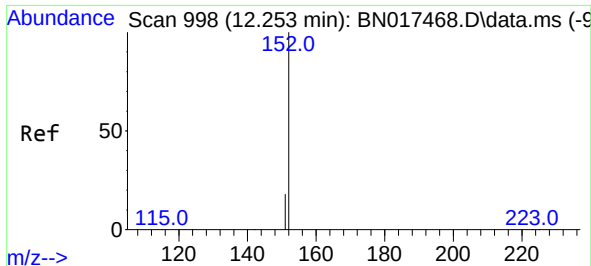
Tgt Ion:128 Resp: 2359
Ion Ratio Lower Upper
128 100
129 17.7 8.8 13.2#
127 17.5 10.6 15.8#



#10
Hexachlorobutadiene
Concen: 0.000 ng
RT: 11.016 min Scan# 754
Delta R.T. -0.000 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

Tgt Ion:225 Resp: 9
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 88.9 51.1 76.7#





#11

2-Methylnaphthalene-d10

Concen: 0.185 ng

RT: 12.248 min Scan# 91

Delta R.T. -0.005 min

Lab File: BN017485.D

Acq: 17 Nov 2021 00:05

Instrument :

BNA_N

ClientSampleId :

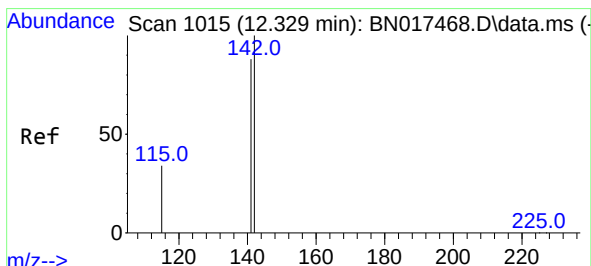
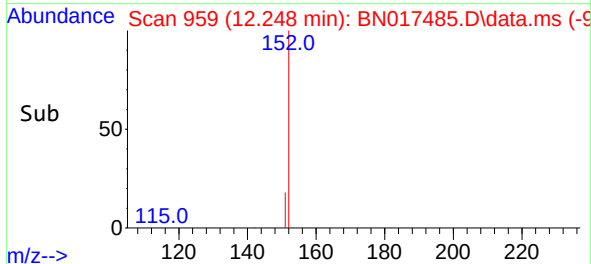
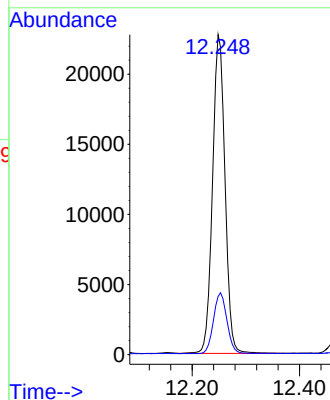
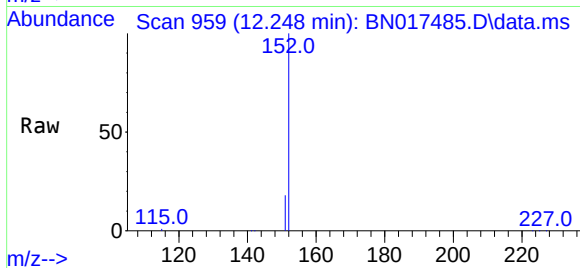
BP-VPB-RW9-GW-678-680

Tgt Ion:152 Resp: 36412

Ion Ratio Lower Upper

152 100

151 20.5 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: BN017485.D

Acq: 17 Nov 2021 00:05

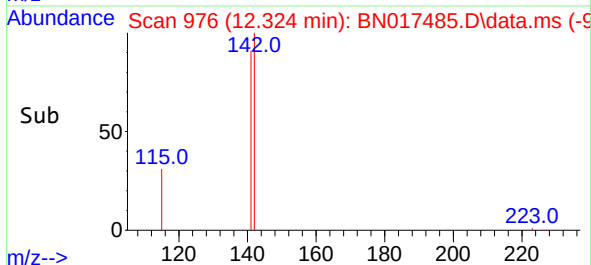
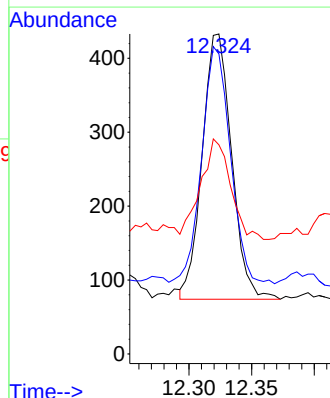
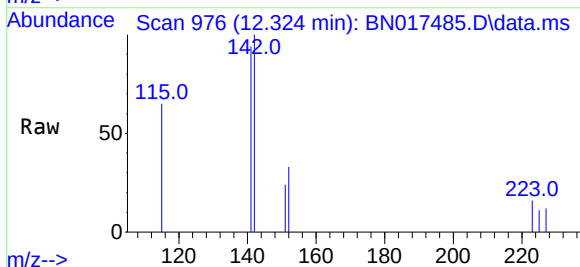
Tgt Ion:142 Resp: 586

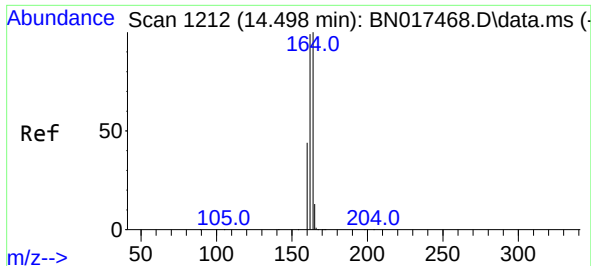
Ion Ratio Lower Upper

142 100

141 93.8 70.6 106.0

115 65.4 25.8 38.6#

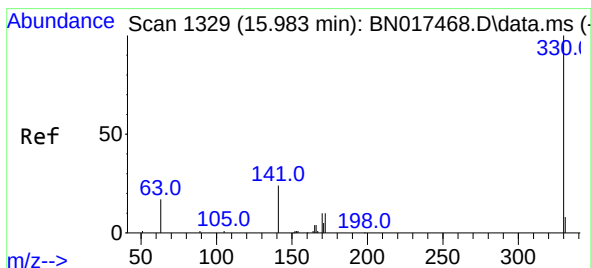
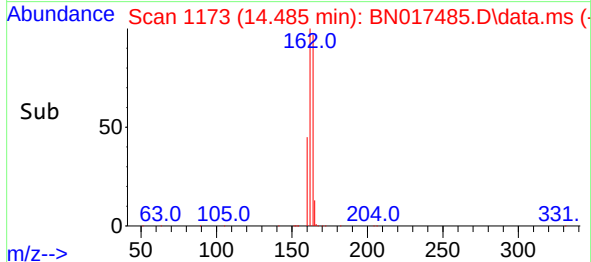
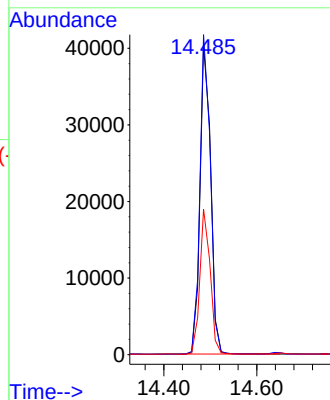
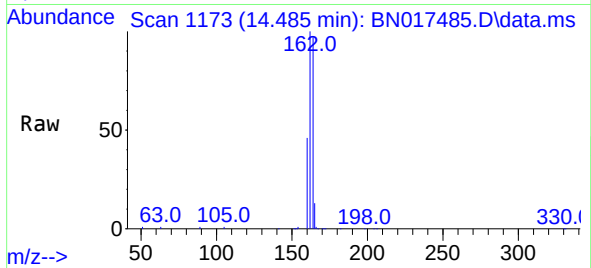




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.485 min Scan# 1173
Delta R.T. -0.013 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

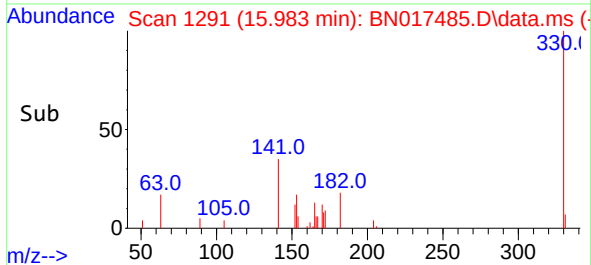
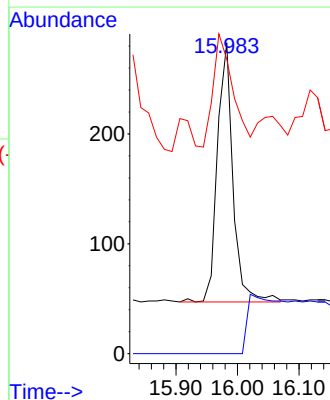
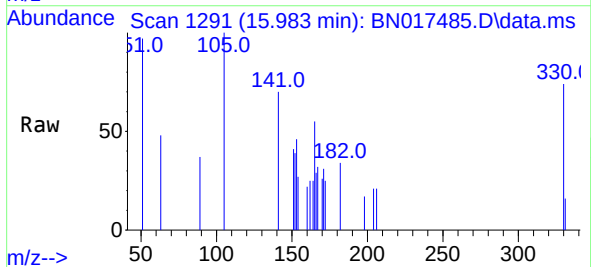
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-678-680

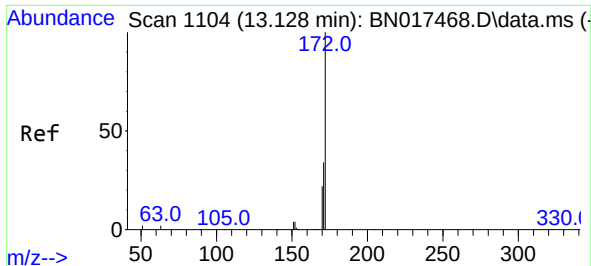
Tgt Ion:164 Resp: 64270
Ion Ratio Lower Upper
164 100
162 103.4 81.4 122.2
160 47.1 36.8 55.2



#14
2,4,6-Tribromophenol
Concen: 0.025 ng
RT: 15.983 min Scan# 1291
Delta R.T. -0.000 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

Tgt Ion:330 Resp: 413
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 55.2 28.9 43.3#

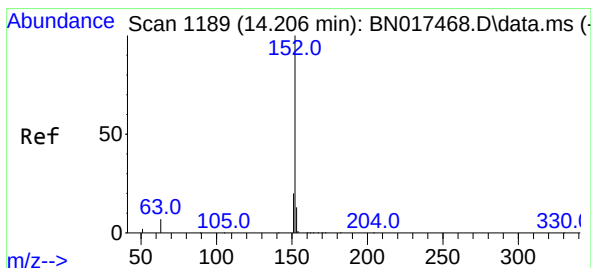
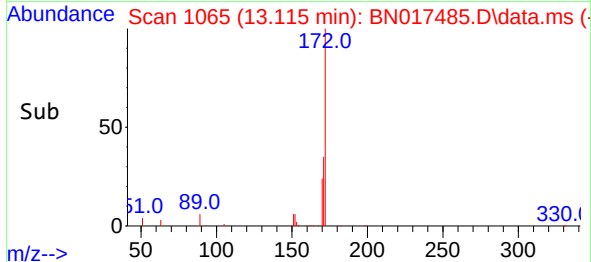
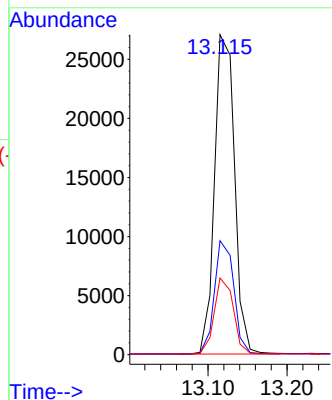
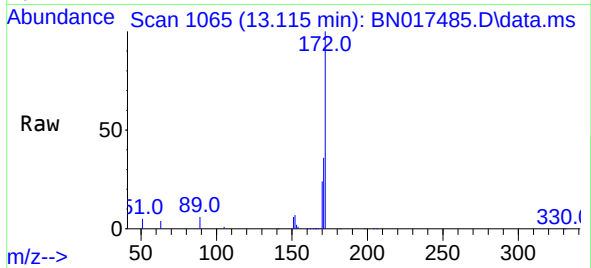




#15
2-Fluorobiphenyl
Concen: 0.197 ng
RT: 13.115 min Scan# 1104
Delta R.T. -0.013 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

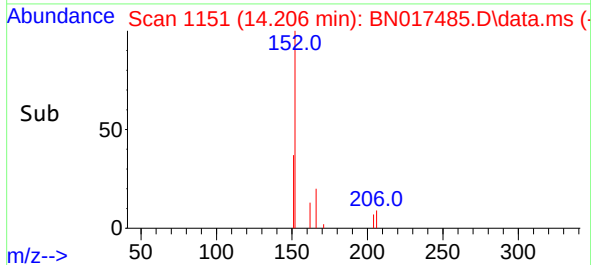
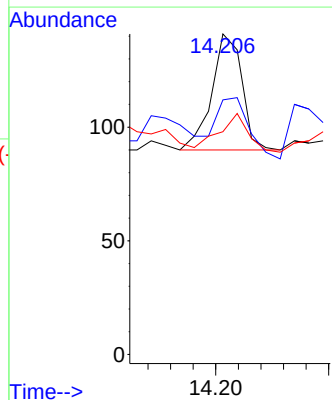
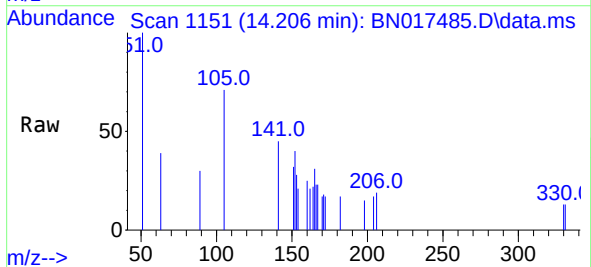
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-678-680

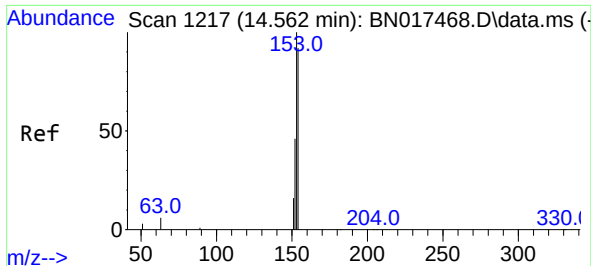
Tgt Ion:172 Resp: 47653
Ion Ratio Lower Upper
172 100
171 35.6 28.7 43.1
170 23.9 19.4 29.2



#16
Acenaphthylene
Concen: 0.000 ng
RT: 14.206 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

Tgt Ion:152 Resp: 94
Ion Ratio Lower Upper
152 100
151 54.3 15.5 23.3#
153 31.9 10.4 15.6#

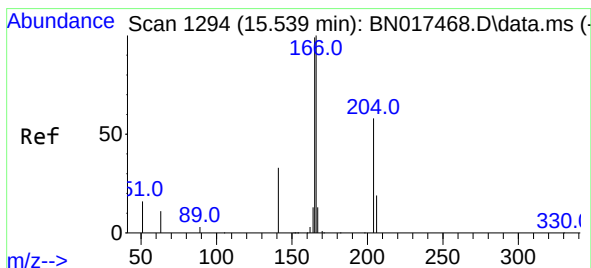
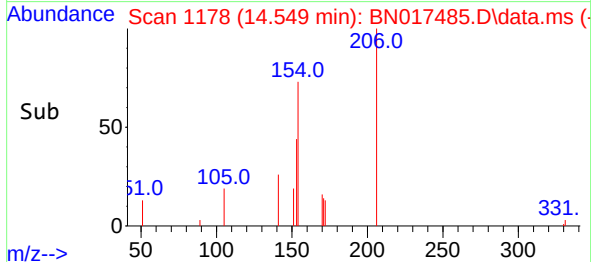
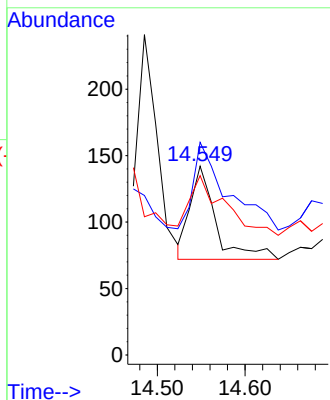
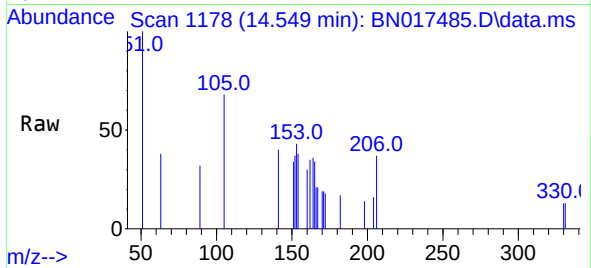




#17
Acenaphthene
Concen: 0.001 ng
RT: 14.549 min Scan# 1178
Delta R.T. -0.013 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

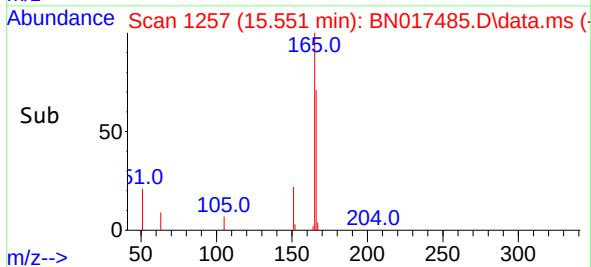
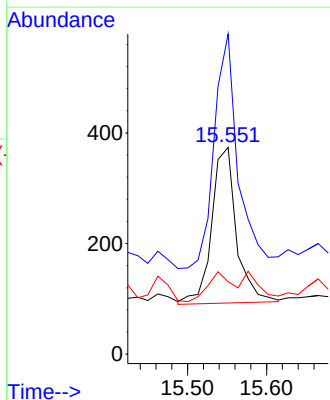
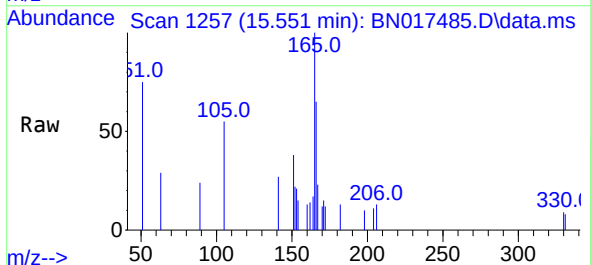
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-678-680

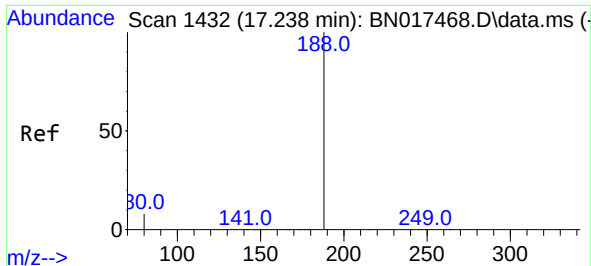
Tgt Ion:154 Resp: 142
Ion Ratio Lower Upper
154 100
153 124.6 91.2 136.8
152 86.6 44.3 66.5#



#18
Fluorene
Concen: 0.003 ng
RT: 15.551 min Scan# 1257
Delta R.T. 0.013 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

Tgt Ion:166 Resp: 614
Ion Ratio Lower Upper
166 100
165 147.1 77.9 116.9#
167 18.9 10.9 16.3#

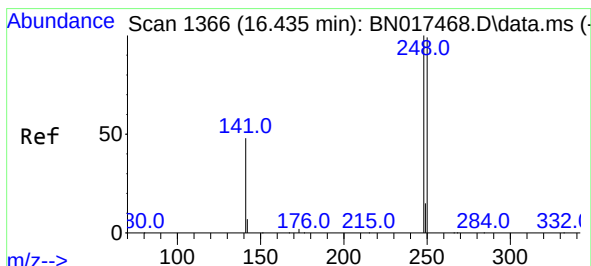
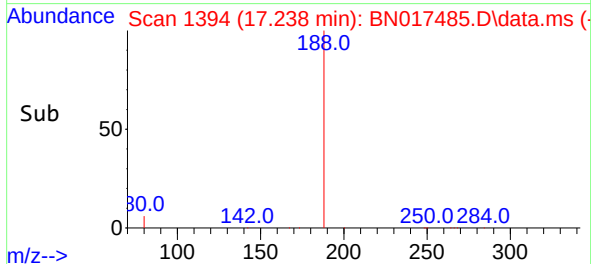
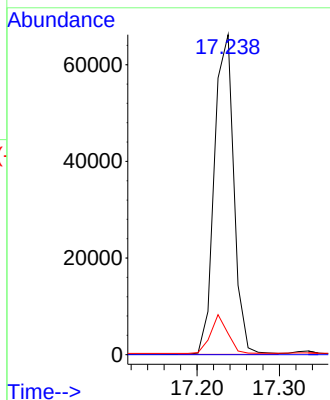
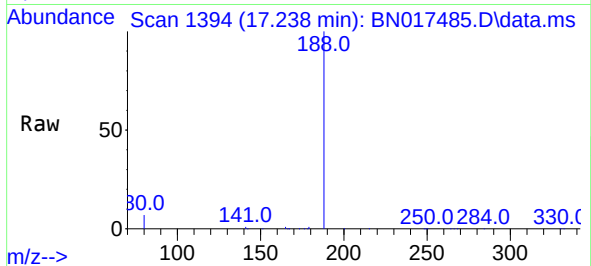




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.238 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

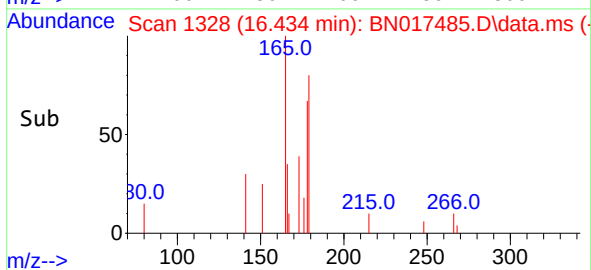
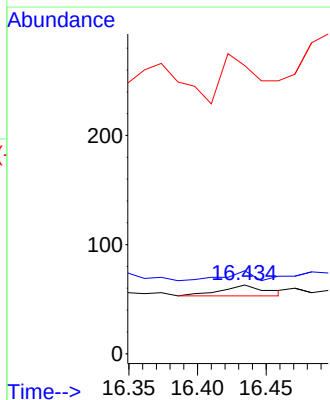
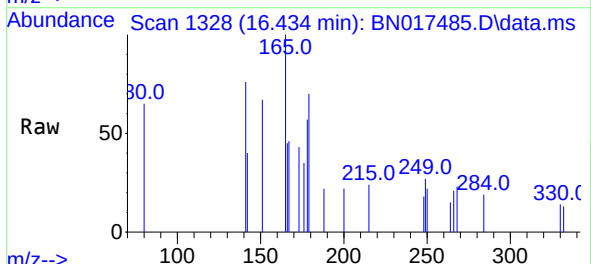
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-678-680

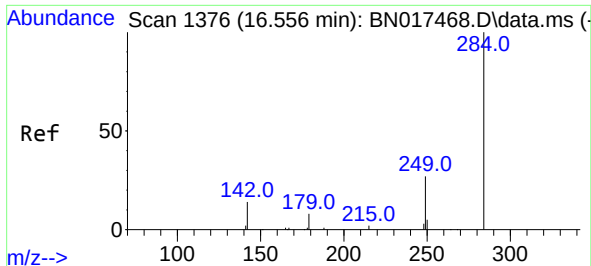
Tgt Ion:188 Resp: 108749
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.6 6.1 9.1



#21
4-Bromophenyl-phenylether
Concen: 0.000 ng
RT: 16.434 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

Tgt Ion:248 Resp: 23
Ion Ratio Lower Upper
248 100
250 120.6 71.8 107.8#
141 419.0 70.9 106.3#

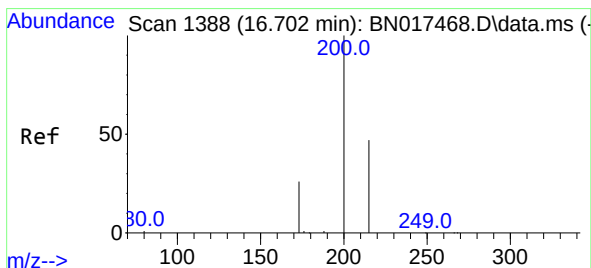
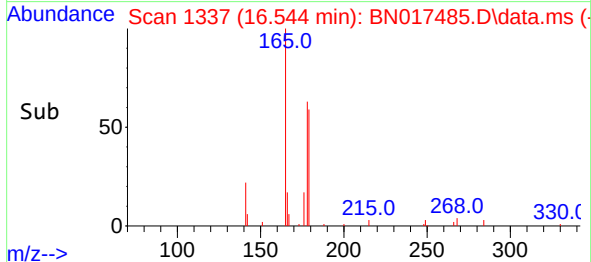
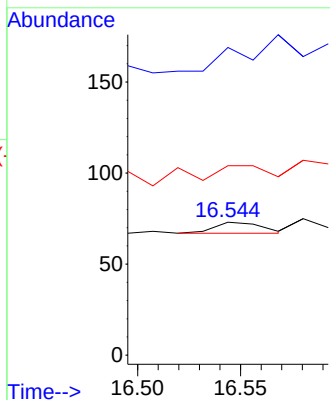
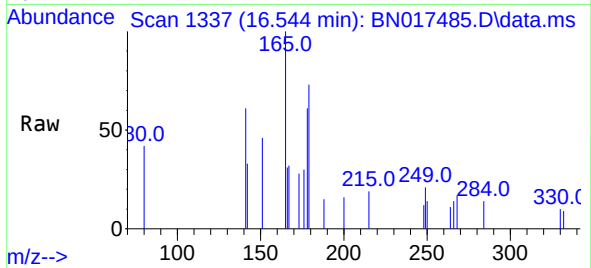




#22
Hexachlorobenzene
Concen: 0.000 ng
RT: 16.544 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

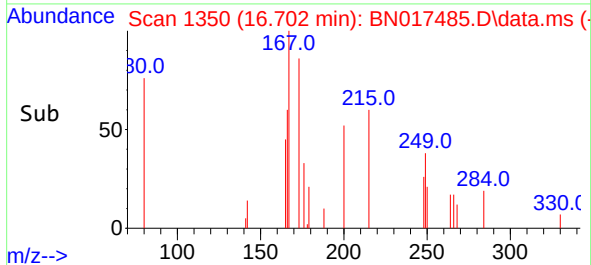
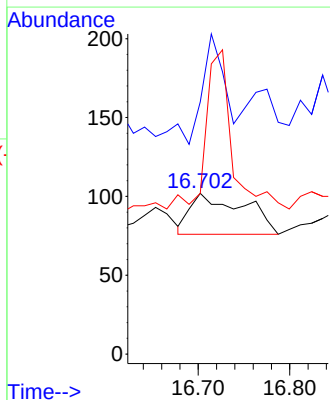
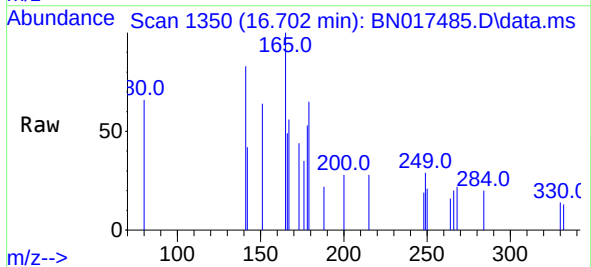
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-678-680

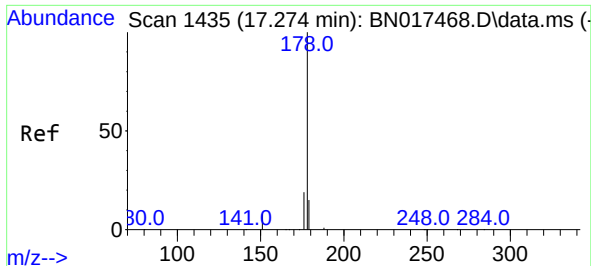
Tgt Ion:284 Resp: 9
Ion Ratio Lower Upper
284 100
142 0.0 28.2 42.2#
249 322.2 24.4 36.6#



#23
Atrazine
Concen: 0.003 ng
RT: 16.702 min Scan# 1350
Delta R.T. 0.000 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

Tgt Ion:200 Resp: 105
Ion Ratio Lower Upper
200 100
173 156.9 17.6 26.4#
215 100.0 40.2 60.4#

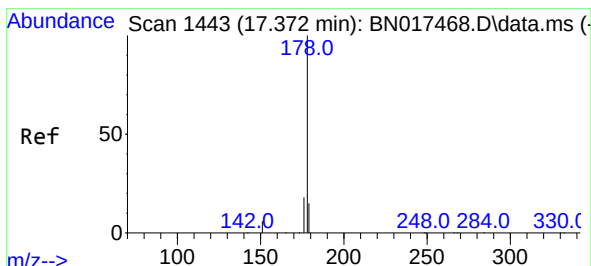
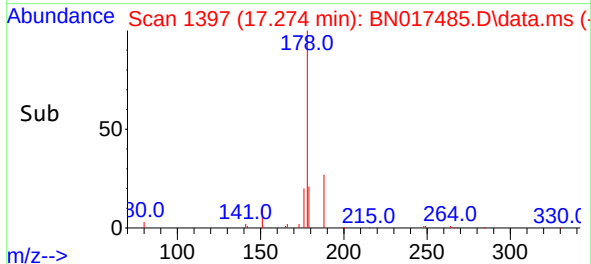
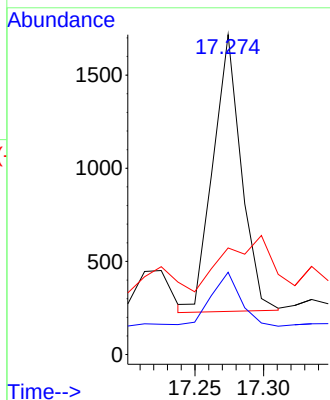
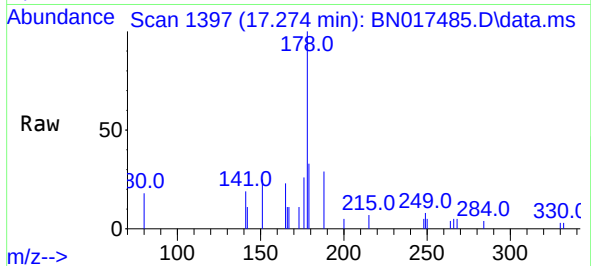




#25
Phenanthrene
Concen: 0.007 ng
RT: 17.274 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

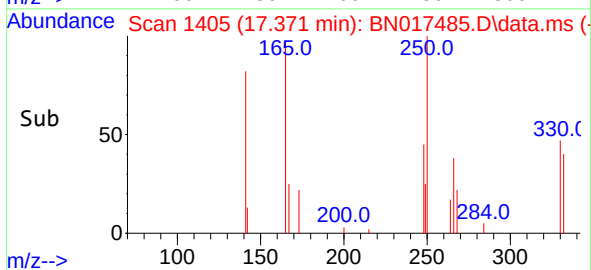
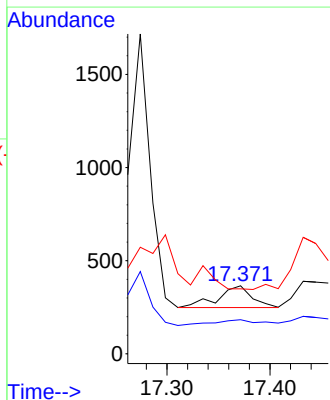
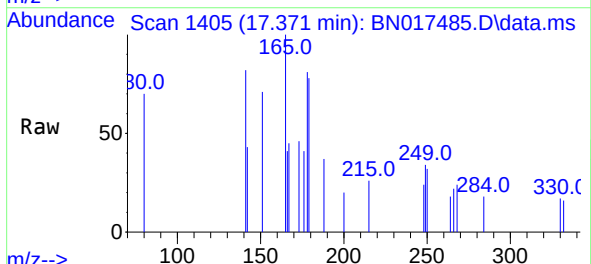
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-678-680

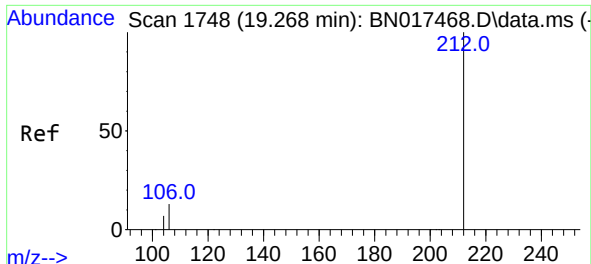
Tgt Ion:178 Resp: 2130
Ion Ratio Lower Upper
178 100
176 27.7 15.0 22.6#
179 0.0 12.3 18.5#



#26
Anthracene
Concen: 0.001 ng
RT: 17.371 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

Tgt Ion:178 Resp: 266
Ion Ratio Lower Upper
178 100
176 38.0 14.6 22.0#
179 0.0 12.2 18.4#

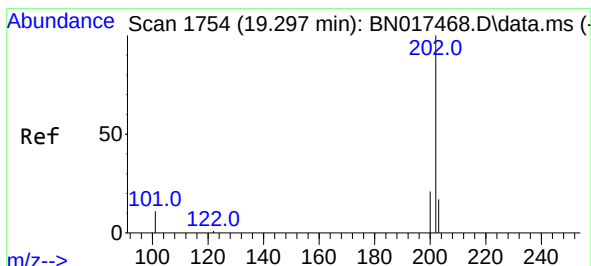
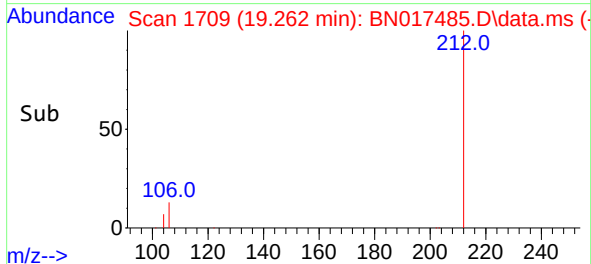
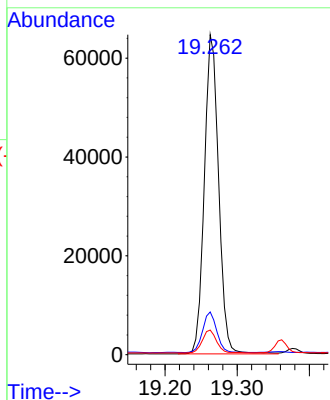
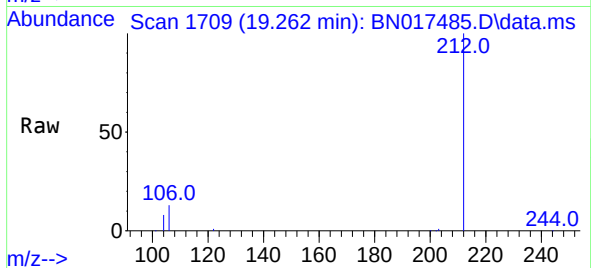




#27
Fluoranthene-d10
Concen: 0.274 ng
RT: 19.262 min Scan# 1716
Delta R.T. -0.005 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

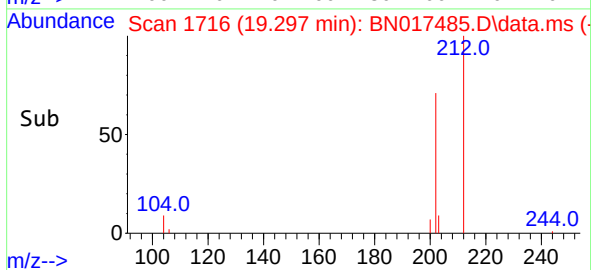
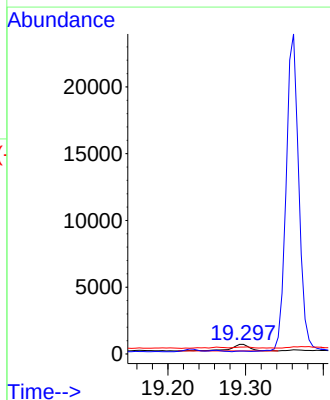
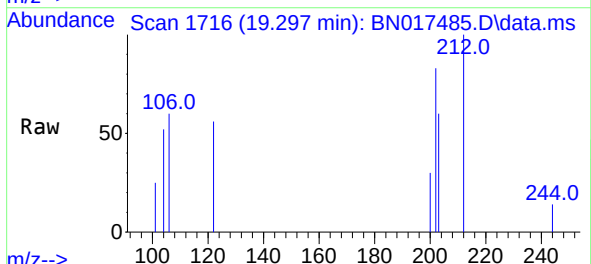
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-678-680

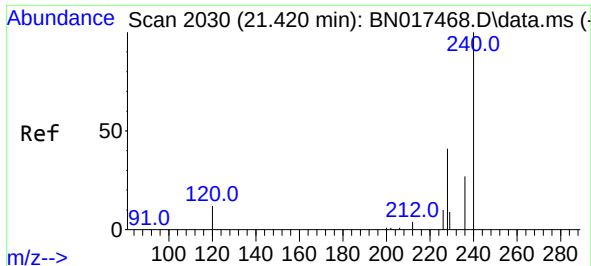
Tgt Ion:212 Resp: 88953
Ion Ratio Lower Upper
212 100
106 12.5 10.5 15.7
104 7.2 5.8 8.6



#28
Fluoranthene
Concen: 0.003 ng
RT: 19.297 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

Tgt Ion:202 Resp: 830
Ion Ratio Lower Upper
202 100
101 0.0 8.9 13.3#
203 13.3 13.8 20.6#

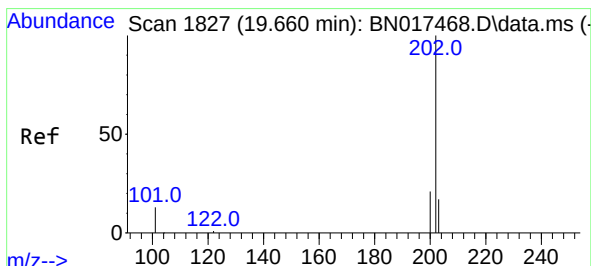
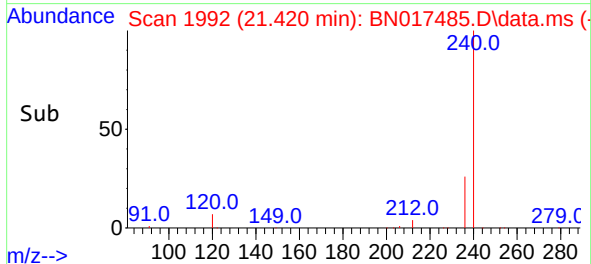
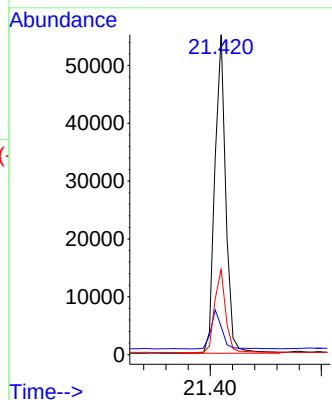
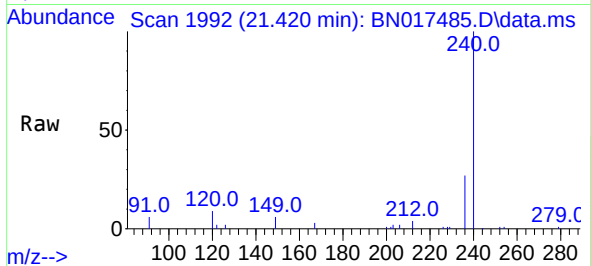




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

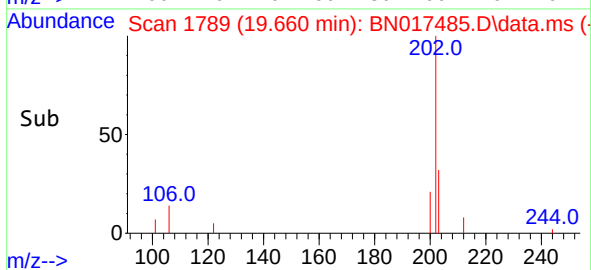
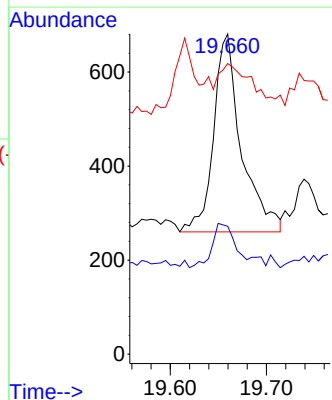
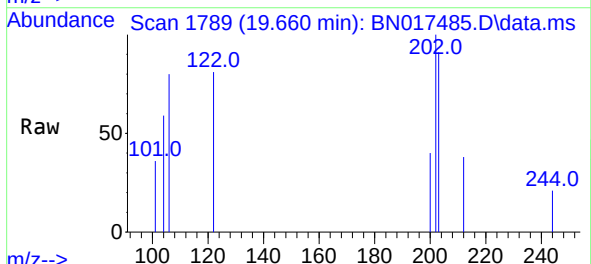
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-678-680

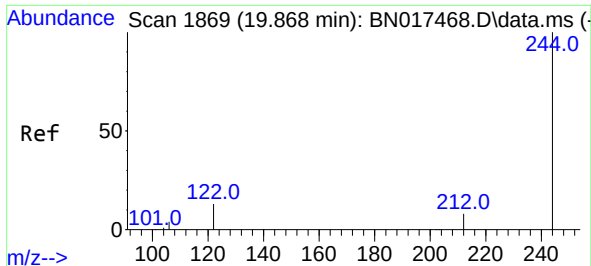
Tgt Ion:240 Resp: 75299
Ion Ratio Lower Upper
240 100
120 8.7 4.2 6.2#
236 26.6 20.0 30.0



#30
Pyrene
Concen: 0.003 ng
RT: 19.660 min Scan# 1789
Delta R.T. -0.000 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

Tgt Ion:202 Resp: 845
Ion Ratio Lower Upper
202 100
200 16.2 16.5 24.7#
203 21.7 14.0 21.0#

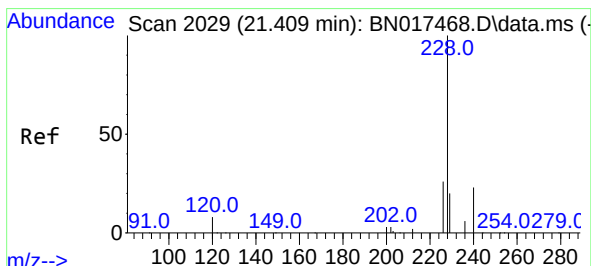
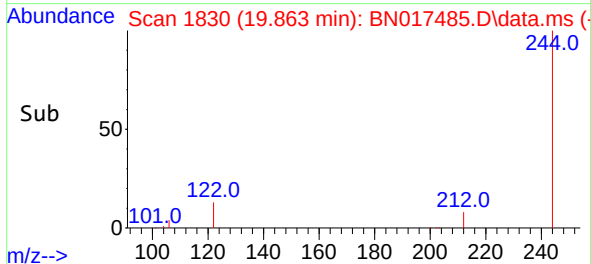
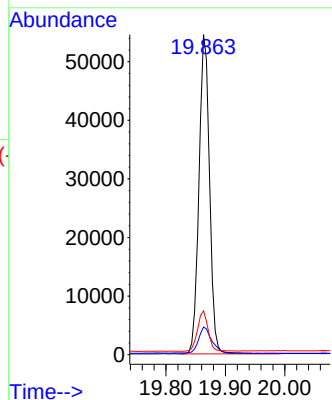
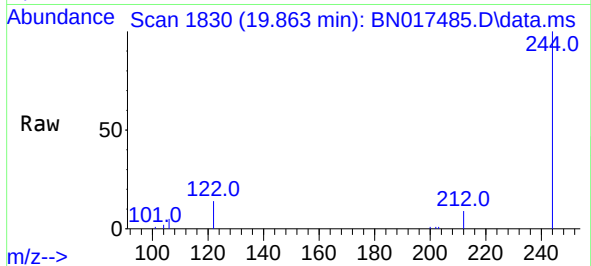




#31
 Terphenyl-d14
 Concen: 0.364 ng
 RT: 19.863 min Scan# 11
 Delta R.T. -0.005 min
 Lab File: BN017485.D
 Acq: 17 Nov 2021 00:05

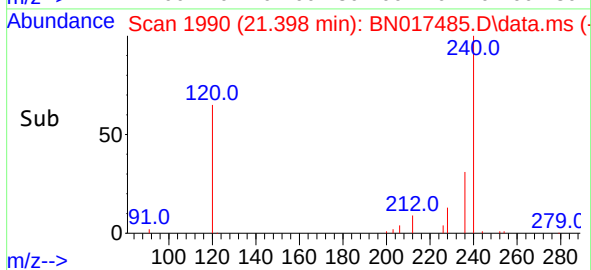
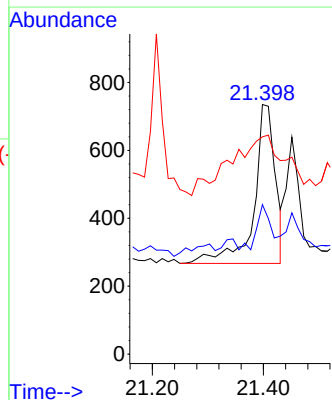
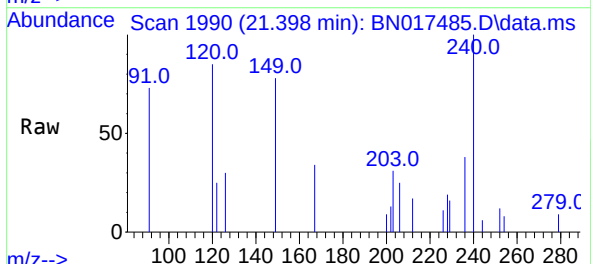
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW9-GW-678-680

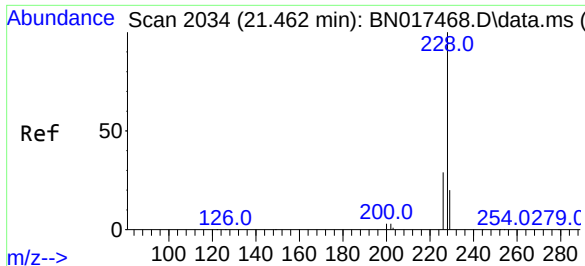
Tgt Ion:244 Resp: 67206
 Ion Ratio Lower Upper
 244 100
 212 8.6 5.7 8.5#
 122 13.7 8.6 13.0#



#32
 Benzo(a)anthracene
 Concen: 0.005 ng
 RT: 21.398 min Scan# 1990
 Delta R.T. -0.011 min
 Lab File: BN017485.D
 Acq: 17 Nov 2021 00:05

Tgt Ion:228 Resp: 1245
 Ion Ratio Lower Upper
 228 100
 226 59.9 21.3 31.9#
 229 87.1 15.7 23.5#

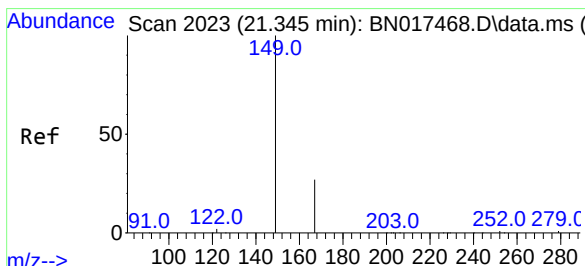
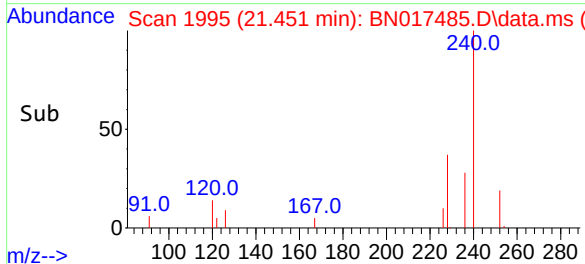
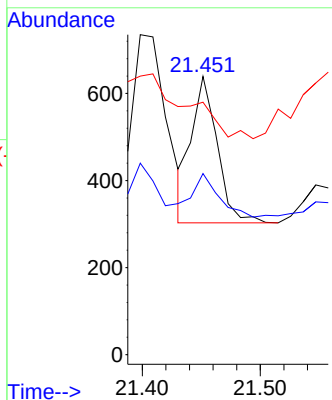
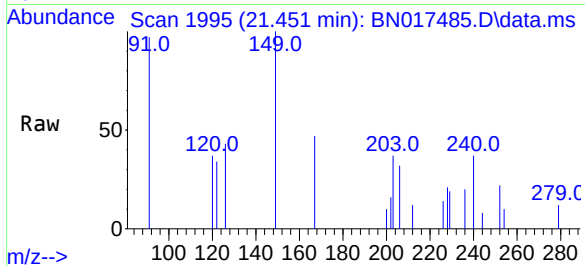




#33
Chrysene
Concen: 0.002 ng
RT: 21.451 min Scan# 1985
Delta R.T. -0.011 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

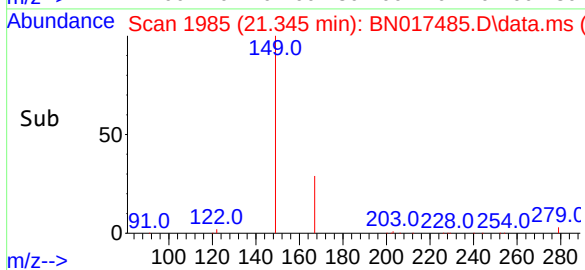
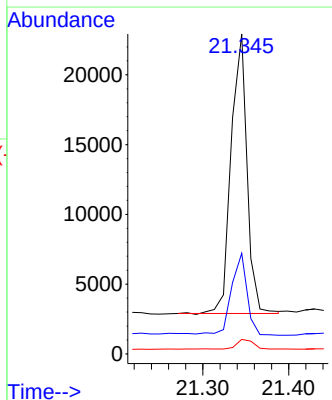
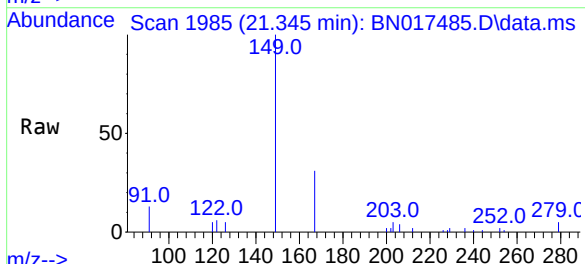
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-678-680

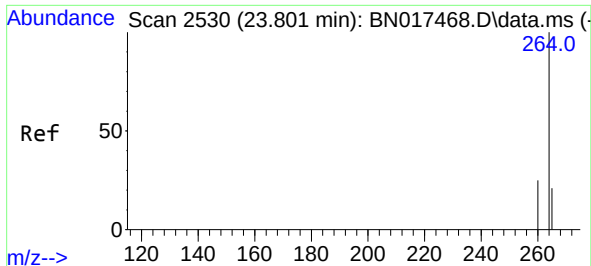
Tgt Ion:228 Resp: 509
Ion Ratio Lower Upper
228 100
226 65.1 23.3 34.9#
229 90.8 15.6 23.4#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.211 ng
RT: 21.345 min Scan# 1985
Delta R.T. -0.000 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

Tgt Ion:149 Resp: 25764
Ion Ratio Lower Upper
149 100
167 28.9 21.8 32.6
279 3.7 3.4 5.0

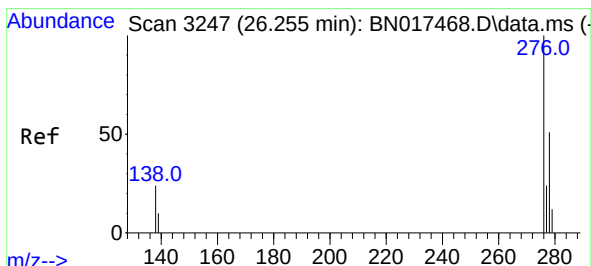
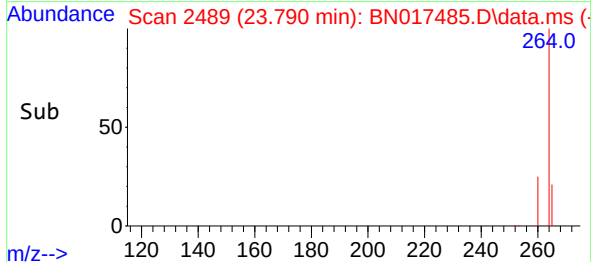
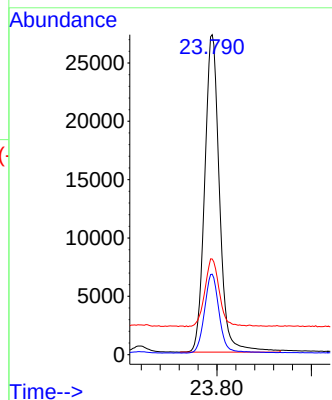
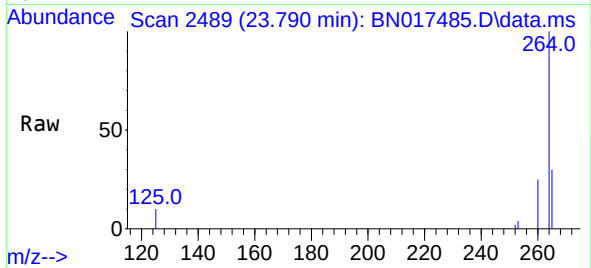




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.790 min Scan# 24
Delta R.T. -0.010 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

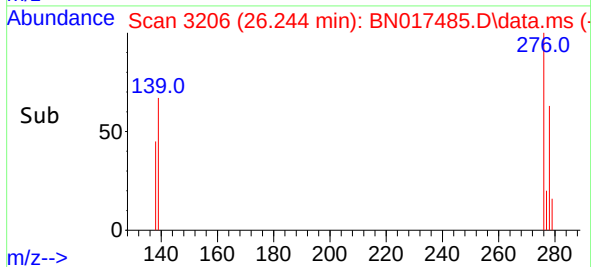
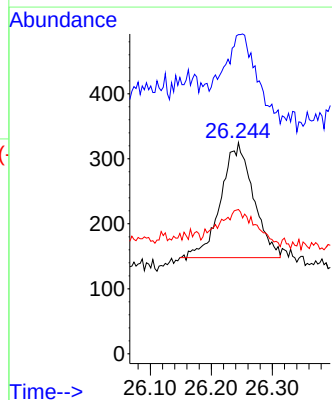
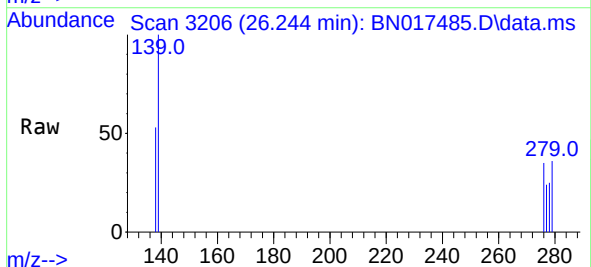
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-678-680

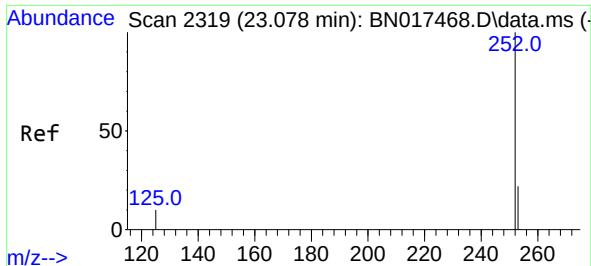
Tgt Ion:264 Resp: 59171
Ion Ratio Lower Upper
264 100
260 25.2 19.4 29.2
265 29.9 18.6 28.0#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.005 ng
RT: 26.244 min Scan# 3206
Delta R.T. -0.010 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

Tgt Ion:276 Resp: 653
Ion Ratio Lower Upper
276 100
138 80.6 19.7 29.5#
277 37.7 20.0 30.0#

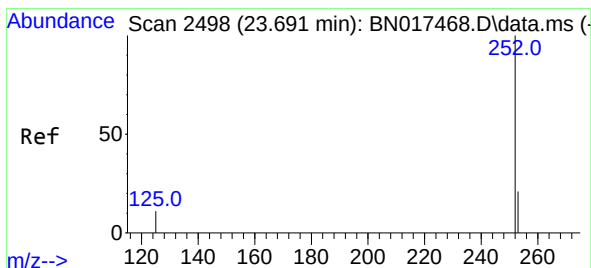
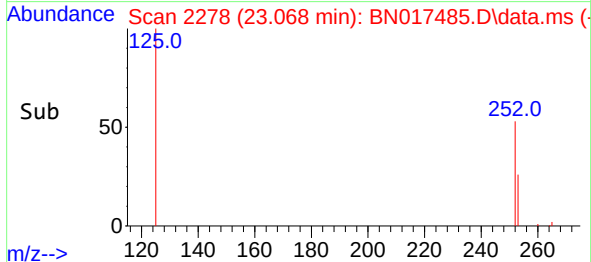
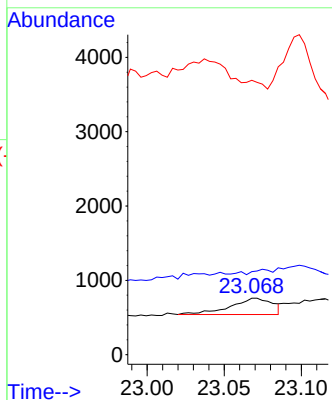
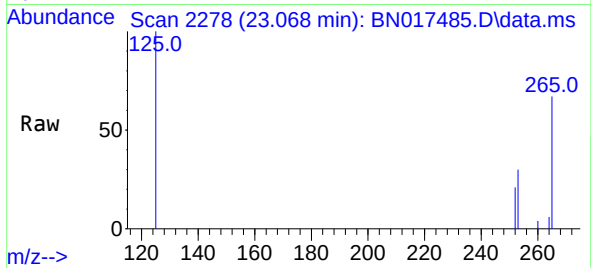




#37
Benzo(b)fluoranthene
Concen: 0.002 ng
RT: 23.068 min Scan# 21
Delta R.T. -0.010 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

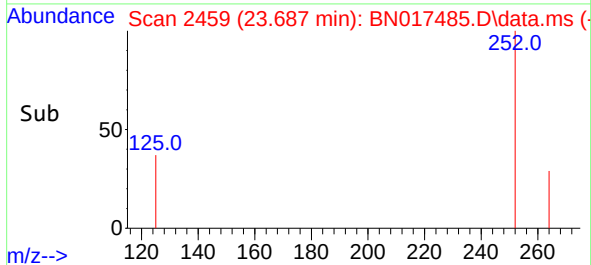
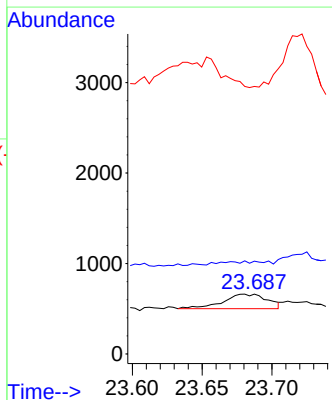
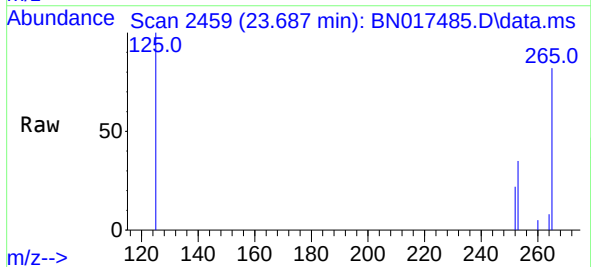
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-678-680

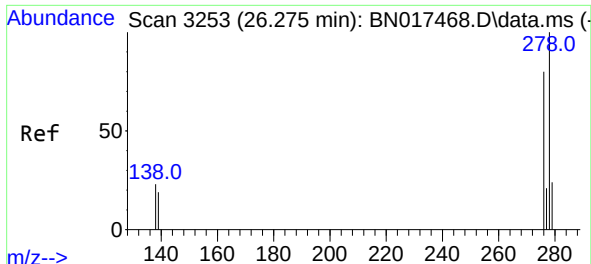
Tgt Ion:252 Resp: 420
Ion Ratio Lower Upper
252 100
253 146.9 17.7 26.5#
125 485.2 7.8 11.8#



#39
Benzo(a)pyrene
Concen: 0.002 ng
RT: 23.687 min Scan# 2459
Delta R.T. -0.004 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

Tgt Ion:252 Resp: 356
Ion Ratio Lower Upper
252 100
253 155.0 17.9 26.9#
125 446.7 9.2 13.8#

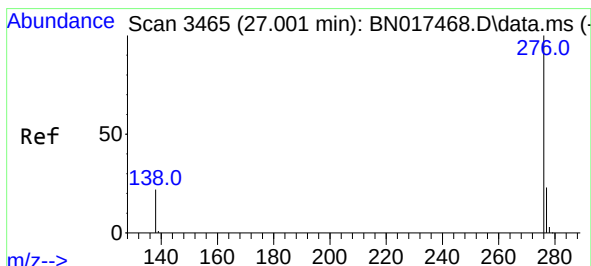
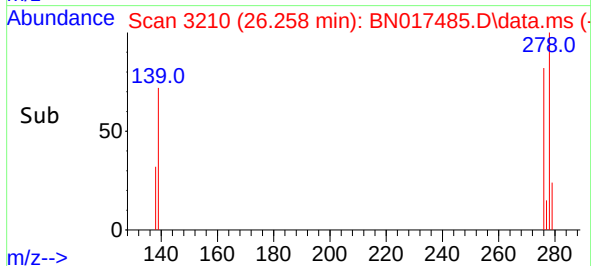
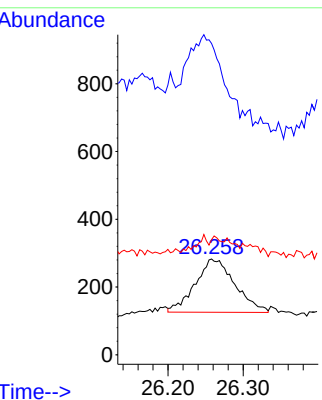
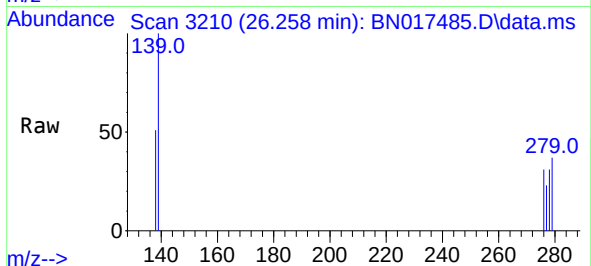




#40
Dibenzo(a,h)anthracene
Concen: 0.006 ng
RT: 26.258 min Scan# 31
Delta R.T. -0.017 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-678-680

Tgt Ion:278 Resp: 576
Ion Ratio Lower Upper
278 100
139 324.7 13.0 19.6#
279 120.1 19.2 28.8#



#41
Benzo(g,h,i)perylene
Concen: 0.026 ng
RT: 26.984 min Scan# 3422
Delta R.T. -0.017 min
Lab File: BN017485.D
Acq: 17 Nov 2021 00:05

Tgt Ion:276 Resp: 3342
Ion Ratio Lower Upper
276 100
277 39.5 19.0 28.4#
138 59.8 17.1 25.7#

