

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111621\
 Data File : BN017484.D
 Acq On : 16 Nov 2021 23:29
 Operator : CG/JU
 Sample : M4668-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW9-GW-638-640

Quant Time: Nov 17 00:24:37 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)

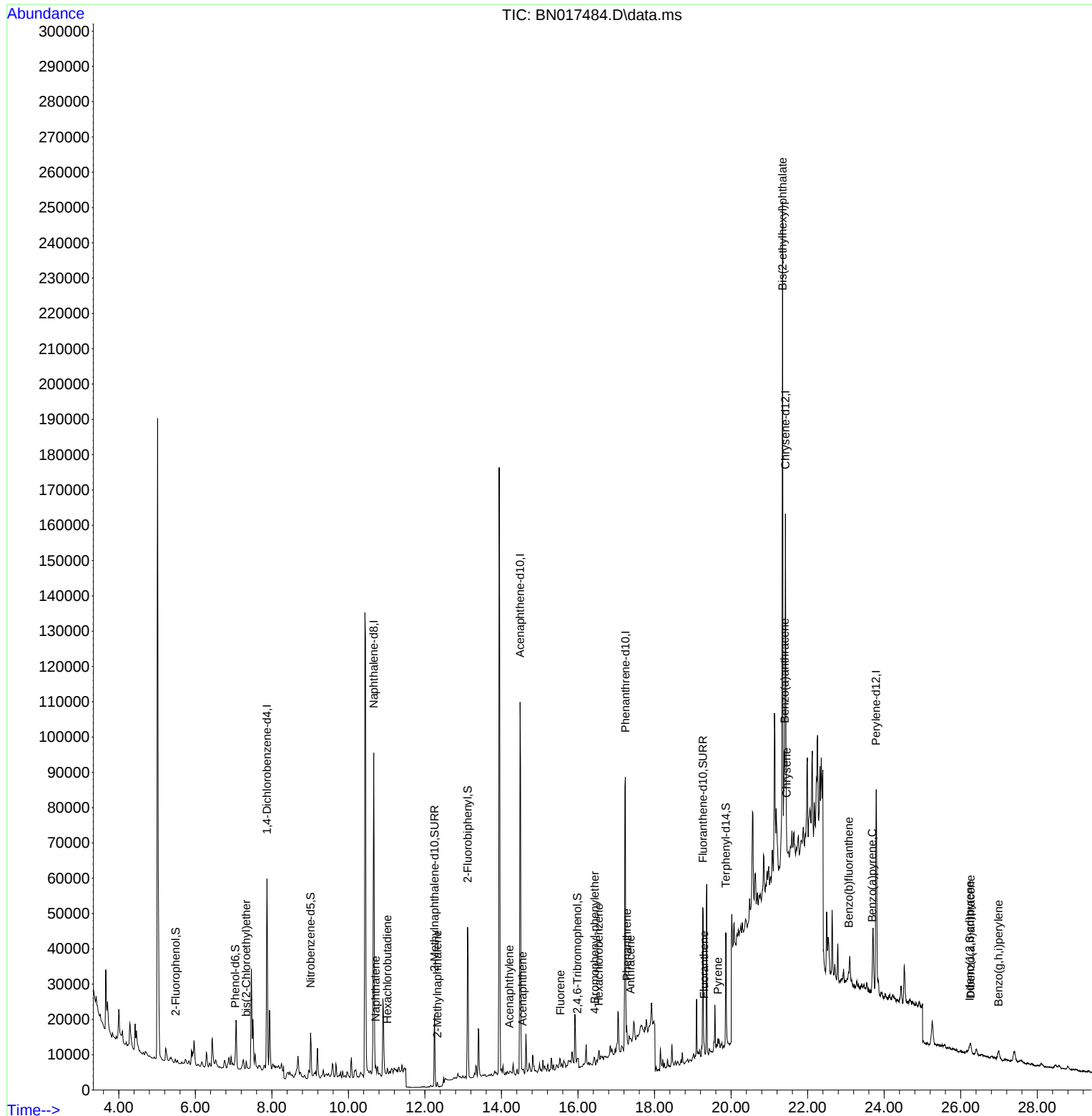
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.874	152	27079	0.400	ng	0.00
7) Naphthalene-d8	10.661	136	120115	0.400	ng	# 0.00
13) Acenaphthene-d10	14.485	164	66260	0.400	ng	-0.01
19) Phenanthrene-d10	17.238	188	116955	0.400	ng	0.00
29) Chrysene-d12	21.420	240	85556	0.400	ng	# 0.00
35) Perylene-d12	23.790	264	80472	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.486	112	632	0.010	ng	0.04
5) Phenol-d6	7.044	99	651	0.009	ng	0.00
8) Nitrobenzene-d5	9.014	82	11150	0.150	ng	0.00
11) 2-Methylnaphthalene-d10	12.248	152	26904	0.136	ng	0.00
14) 2,4,6-Tribromophenol	15.983	330	509	0.030	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	36938	0.148	ng	-0.01
27) Fluoranthene-d10	19.263	212	48142	0.138	ng	0.00
31) Terphenyl-d14	19.863	244	31316	0.149	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.330	93	217	0.003	ng	# 18
9) Naphthalene	10.712	128	2311	0.008	ng	# 87
10) Hexachlorobutadiene	11.016	225	11	0.000	ng	# 100
12) 2-Methylnaphthalene	12.324	142	909	0.005	ng	# 85
16) Acenaphthylene	14.206	152	165	0.001	ng	# 1
17) Acenaphthene	14.549	154	295	0.002	ng	# 43
18) Fluorene	15.539	166	740	0.004	ng	# 63
21) 4-Bromophenyl-phenylether	16.434	248	64	0.001	ng	# 1
22) Hexachlorobenzene	16.544	284	22	0.000	ng	# 1
25) Phenanthrene	17.274	178	5461	0.017	ng	96
26) Anthracene	17.372	178	1453	0.005	ng	# 61
28) Fluoranthene	19.292	202	2787	0.008	ng	# 34
30) Pyrene	19.655	202	4100	0.013	ng	94
32) Benzo(a)anthracene	21.398	228	2172	0.008	ng	# 1
33) Chrysene	21.451	228	1117	0.004	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.345	149	168953	1.220	ng	95
36) Indeno(1,2,3-cd)pyrene	26.234	276	2802	0.015	ng	# 73
37) Benzo(b)fluoranthene	23.078	252	2111	0.007	ng	# 1
39) Benzo(a)pyrene	23.687	252	2624	0.011	ng	# 1
40) Dibenzo(a,h)anthracene	26.258	278	1683	0.012	ng	# 1
41) Benzo(g,h,i)perylene	26.987	276	6220	0.036	ng	# 1

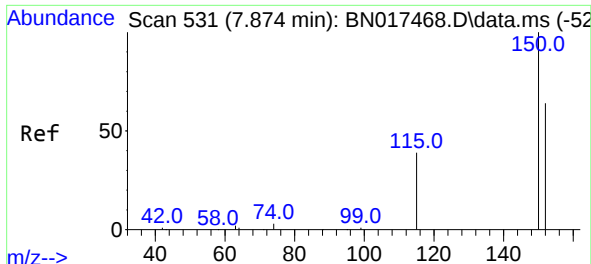
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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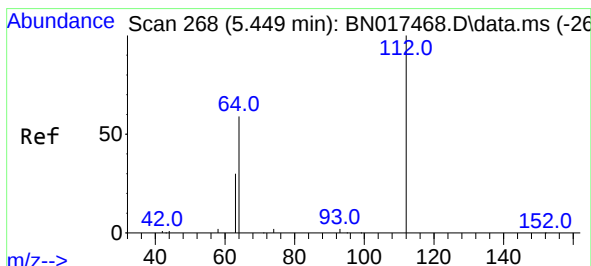
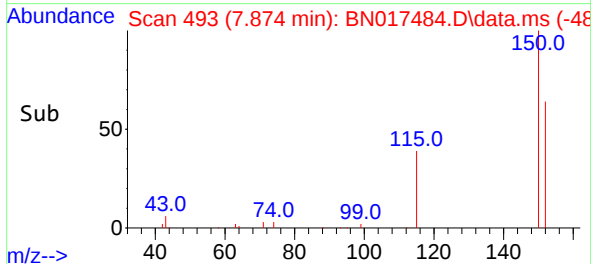
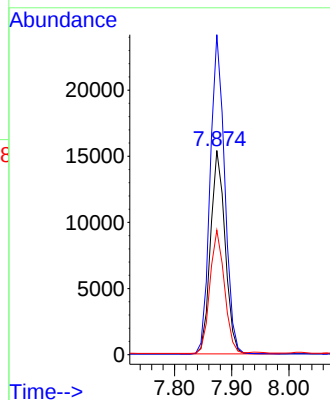
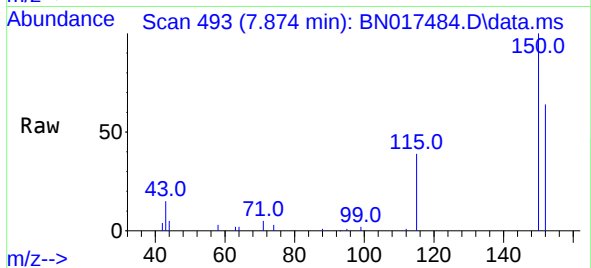




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.874 min Scan# 493
Delta R.T. -0.000 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

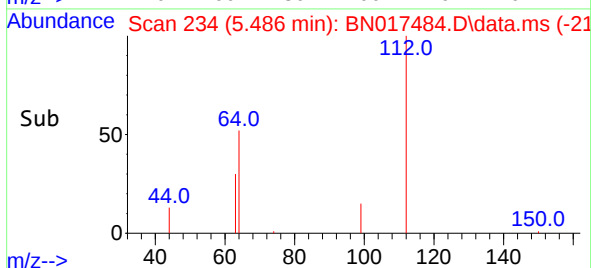
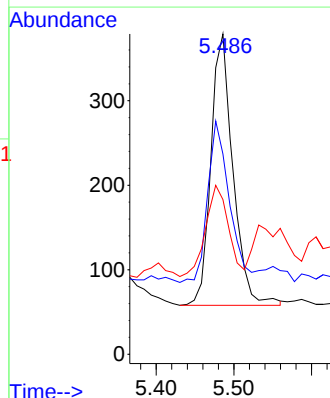
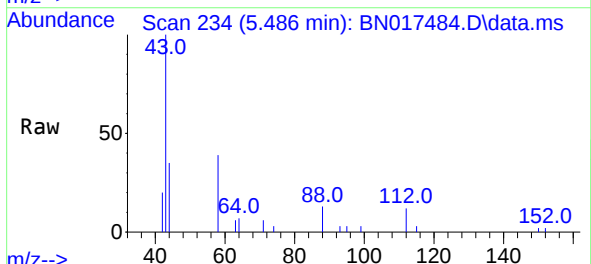
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-638-640

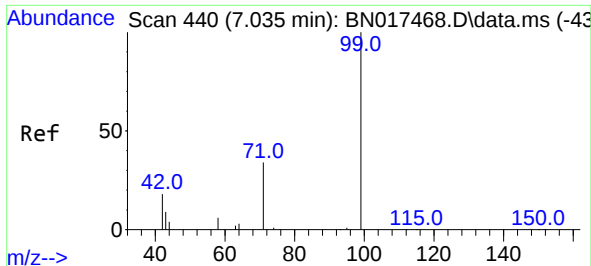
Tgt Ion:152 Resp: 27079
Ion Ratio Lower Upper
152 100
150 156.7 123.0 184.4
115 61.0 45.6 68.4



#4
2-Fluorophenol
Concen: 0.010 ng
RT: 5.486 min Scan# 234
Delta R.T. 0.037 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

Tgt Ion:112 Resp: 632
Ion Ratio Lower Upper
112 100
64 58.2 47.6 71.4
63 34.7 24.6 37.0





#5

Phenol-d6

Concen: 0.009 ng

RT: 7.044 min Scan# 40

Delta R.T. 0.009 min

Lab File: BN017484.D

Acq: 16 Nov 2021 23:29

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW9-GW-638-640

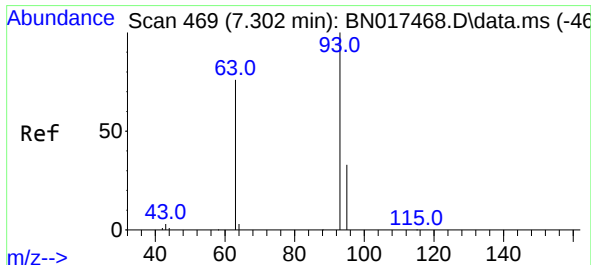
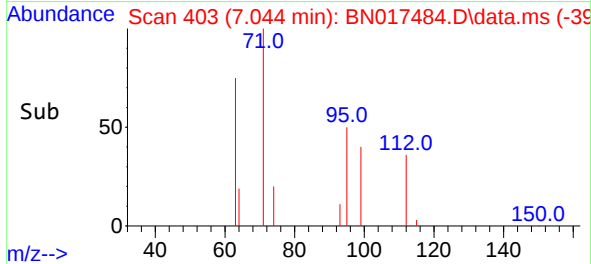
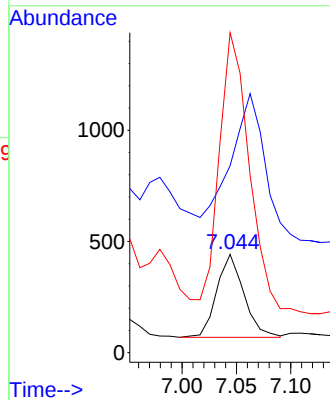
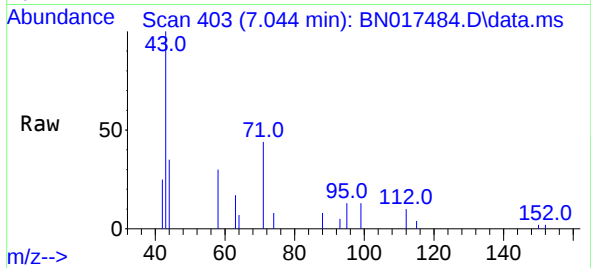
Tgt Ion: 99 Resp: 651

Ion Ratio Lower Upper

99 100

42 207.5 17.0 25.6#

71 356.5 24.8 37.2#



#6

bis(2-Chloroethyl)ether

Concen: 0.003 ng

RT: 7.330 min Scan# 434

Delta R.T. 0.028 min

Lab File: BN017484.D

Acq: 16 Nov 2021 23:29

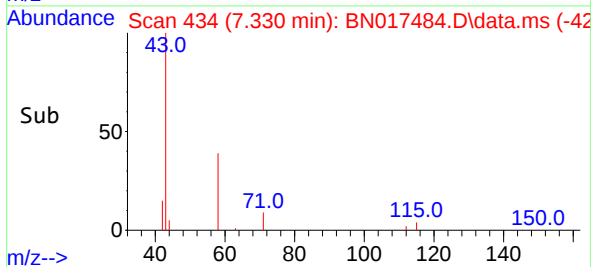
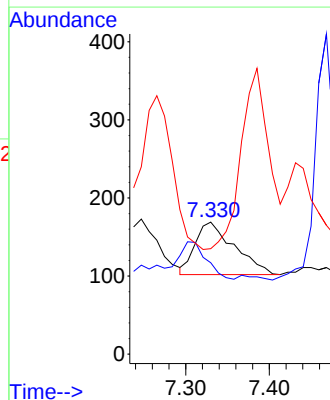
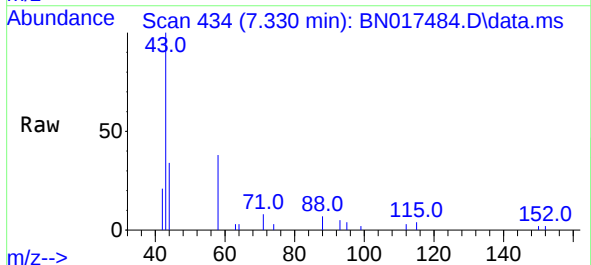
Tgt Ion: 93 Resp: 217

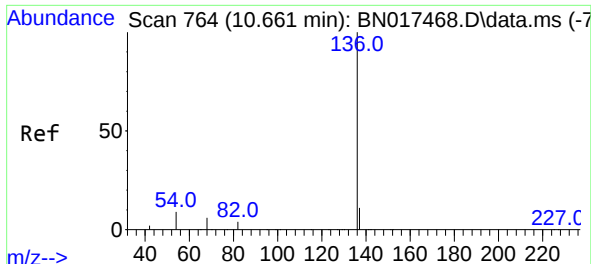
Ion Ratio Lower Upper

93 100

63 0.0 65.8 98.6#

95 0.0 26.6 39.8#

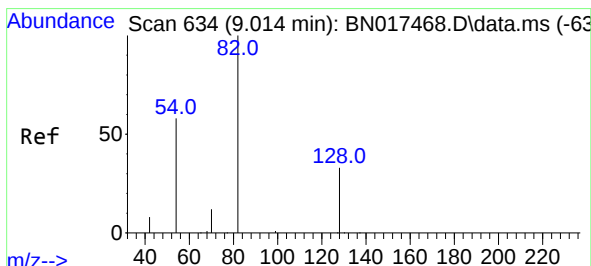
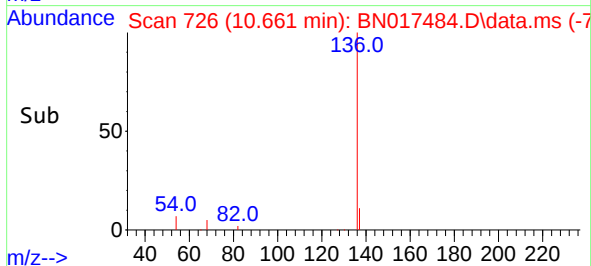
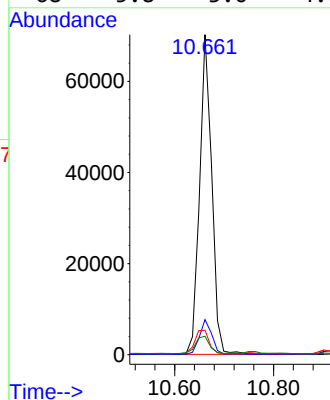
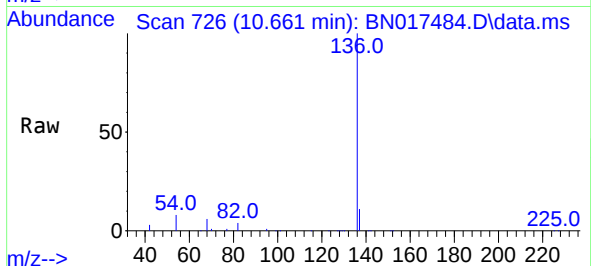




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.661 min Scan# 764
Delta R.T. -0.000 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

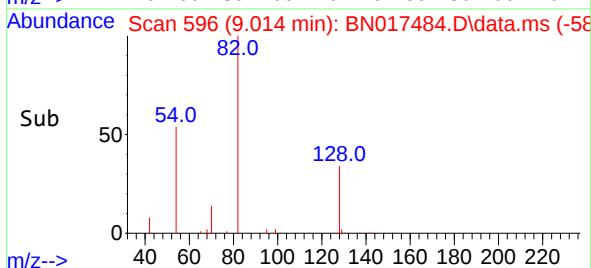
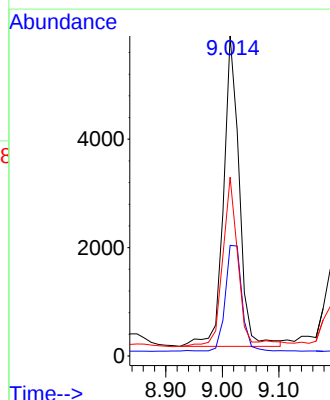
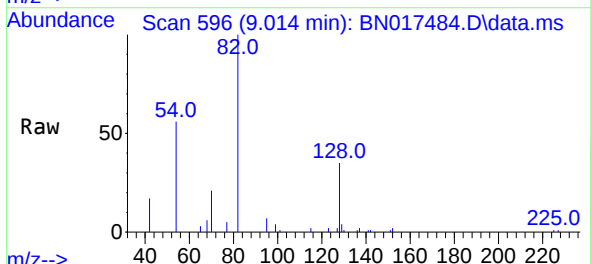
Instrument :
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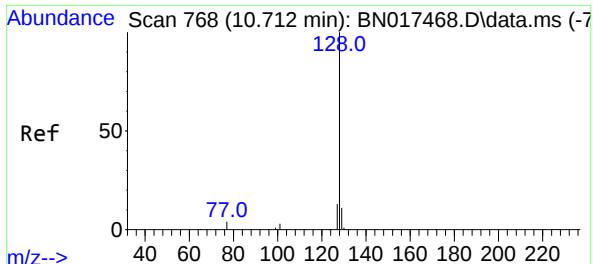
Tgt Ion:136 Resp: 120115
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.7 4.0 6.0#
68 5.8 3.0 4.6#



#8
Nitrobenzene-d5
Concen: 0.150 ng
RT: 9.014 min Scan# 596
Delta R.T. -0.000 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

Tgt Ion: 82 Resp: 11150
Ion Ratio Lower Upper
82 100
128 34.5 27.7 41.5
54 55.9 49.2 73.8

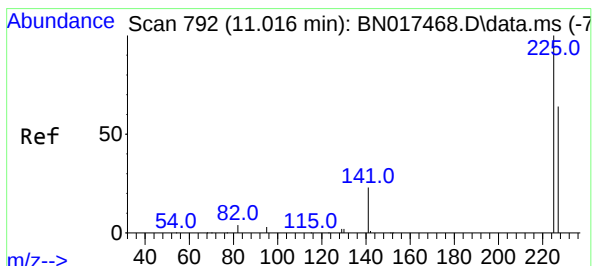
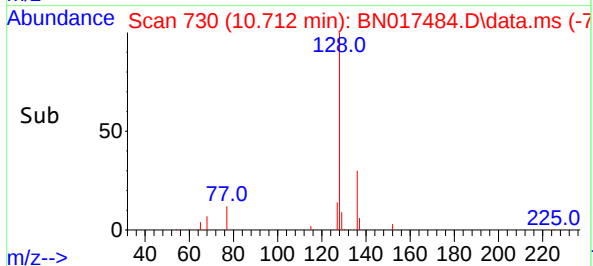
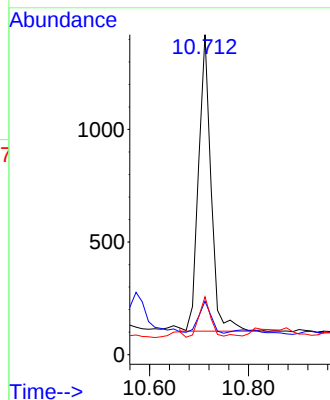
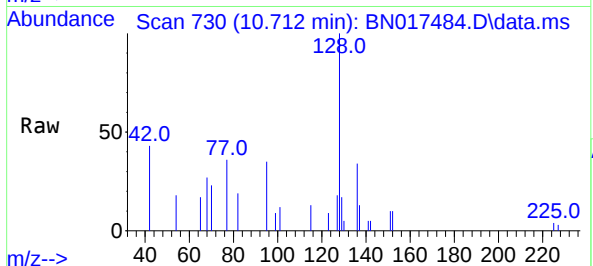




#9
Naphthalene
Concen: 0.008 ng
RT: 10.712 min Scan# 712
Delta R.T. -0.000 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

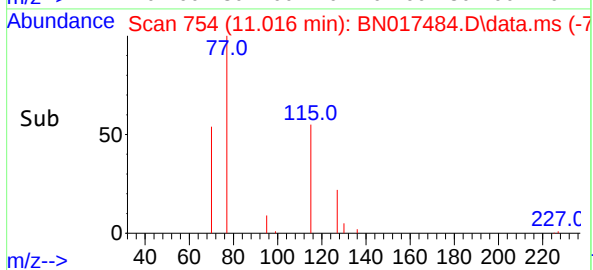
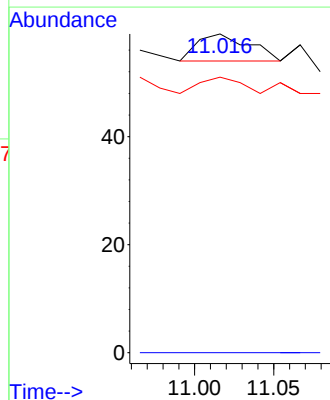
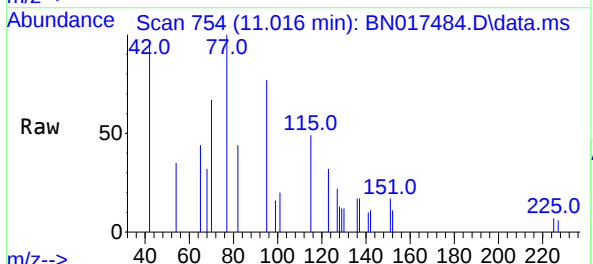
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-638-640

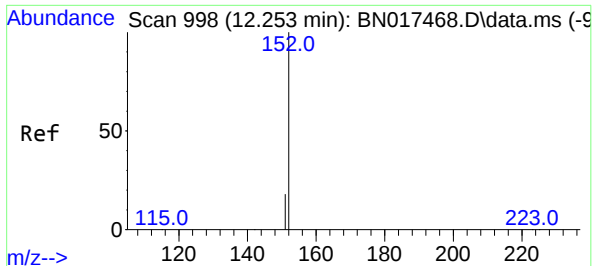
Tgt Ion:128 Resp: 2311
Ion Ratio Lower Upper
128 100
129 16.7 8.8 13.2#
127 18.1 10.6 15.8#



#10
Hexachlorobutadiene
Concen: 0.000 ng
RT: 11.016 min Scan# 754
Delta R.T. -0.000 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

Tgt Ion:225 Resp: 11
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.6 51.1 76.7

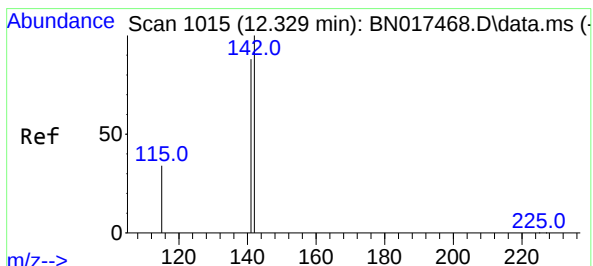
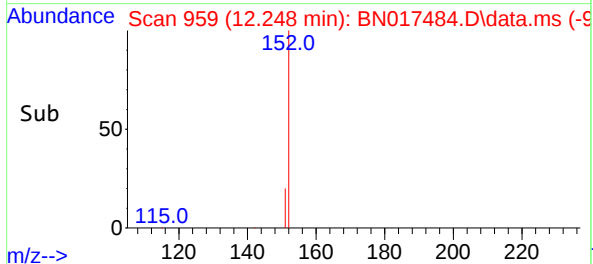
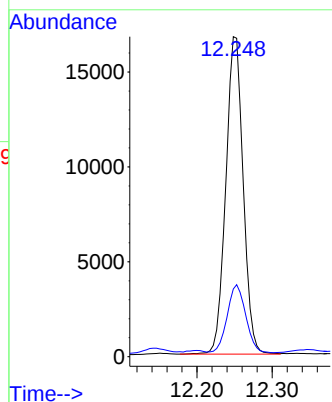
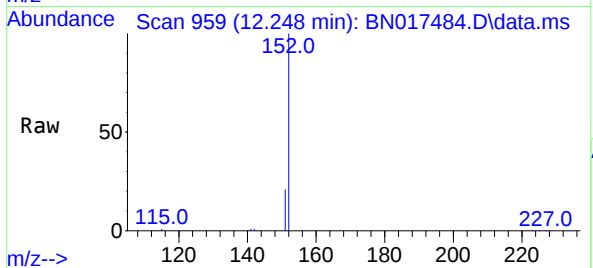




#11
2-Methylnaphthalene-d10
Concen: 0.136 ng
RT: 12.248 min Scan# 911
Delta R.T. -0.005 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

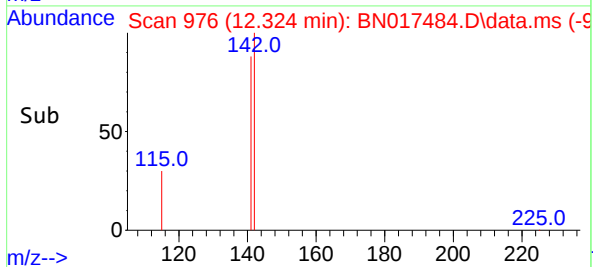
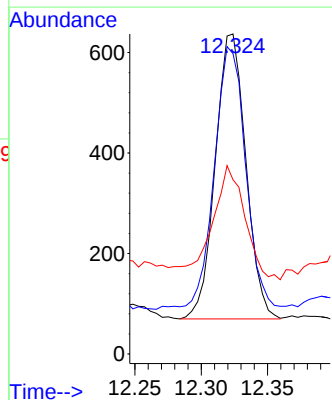
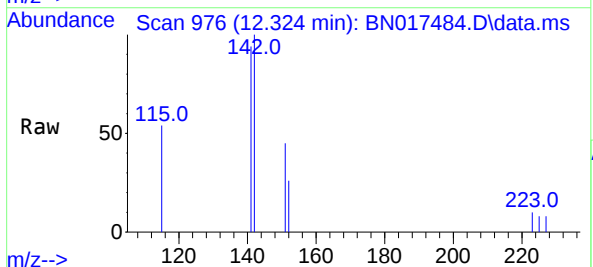
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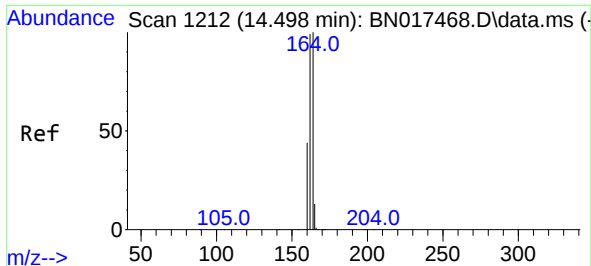
Tgt Ion:152 Resp: 26904
Ion Ratio Lower Upper
152 100
151 22.7 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.005 ng
RT: 12.324 min Scan# 976
Delta R.T. -0.005 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

Tgt Ion:142 Resp: 909
Ion Ratio Lower Upper
142 100
141 93.9 70.6 106.0
115 54.5 25.8 38.6#

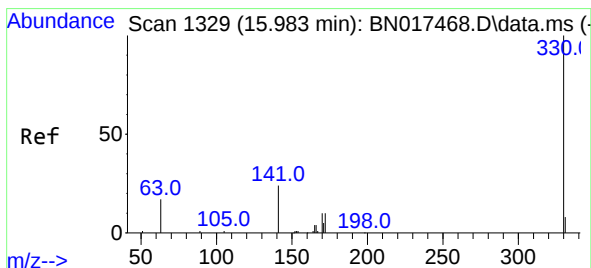
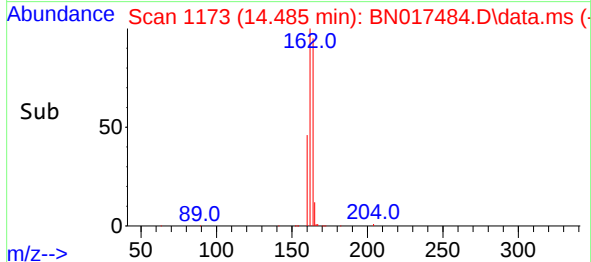
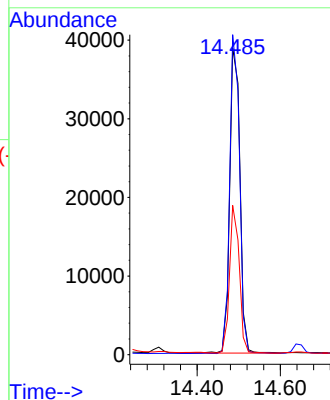
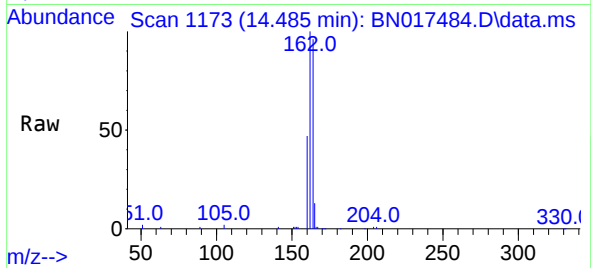




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.485 min Scan# 1173
Delta R.T. -0.013 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

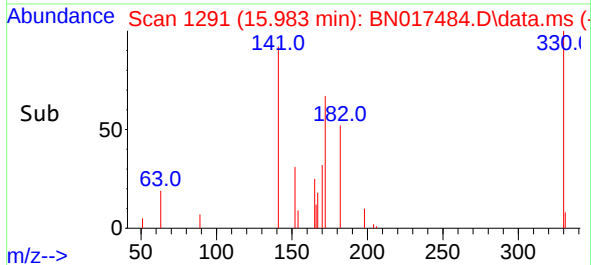
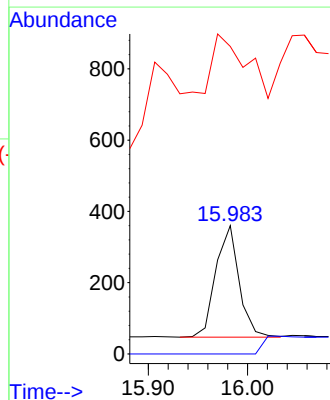
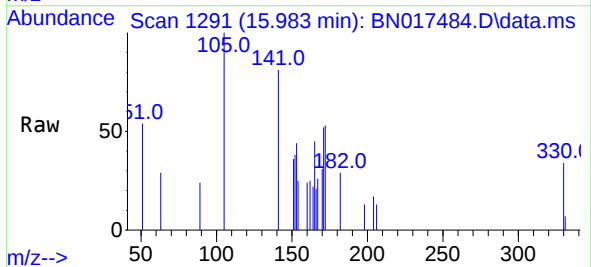
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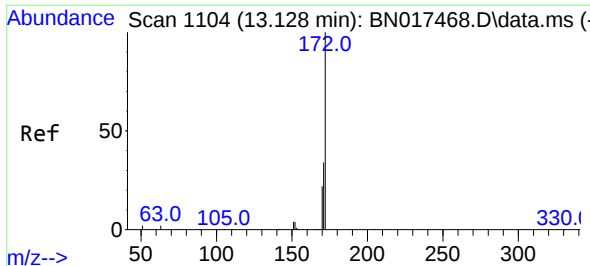
Tgt Ion:164 Resp: 66260
Ion Ratio Lower Upper
164 100
162 104.3 81.4 122.2
160 48.7 36.8 55.2



#14
2,4,6-Tribromophenol
Concen: 0.030 ng
RT: 15.983 min Scan# 1291
Delta R.T. -0.000 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

Tgt Ion:330 Resp: 509
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 79.6 28.9 43.3#

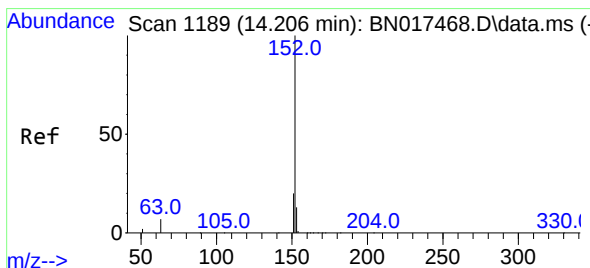
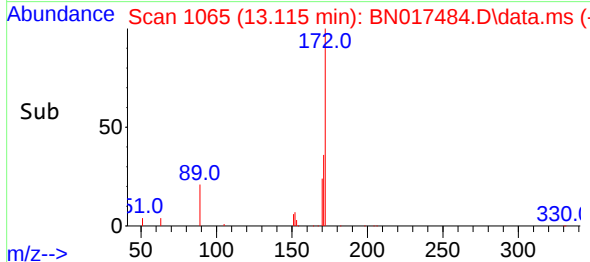
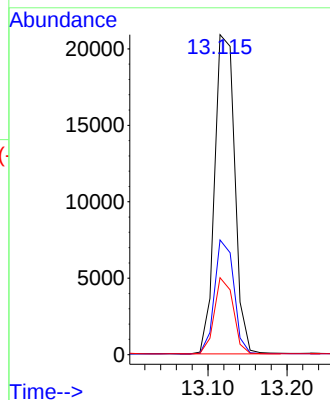
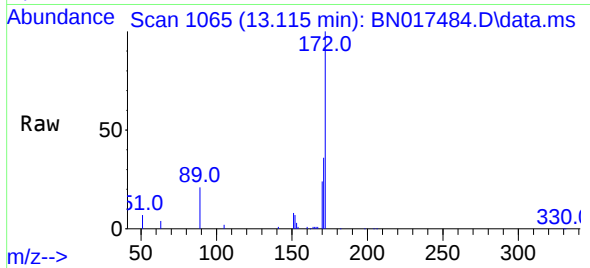




#15
2-Fluorobiphenyl
Concen: 0.148 ng
RT: 13.115 min Scan# 1104
Delta R.T. -0.013 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

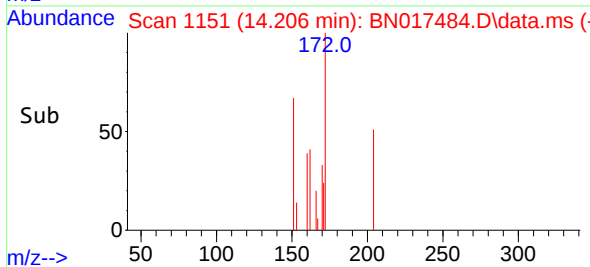
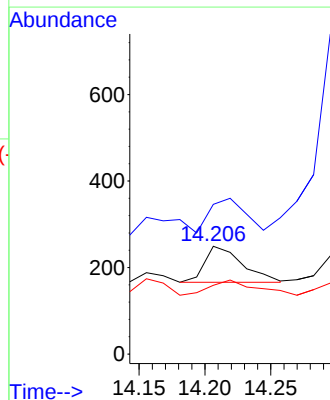
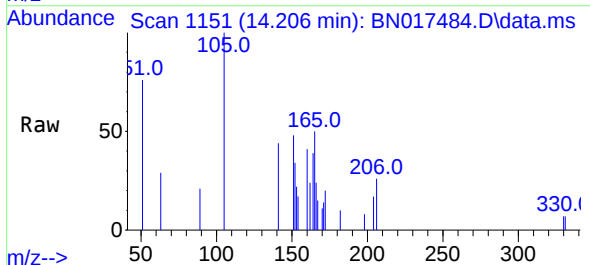
Instrument :
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BP-VPB-RW9-GW-638-640

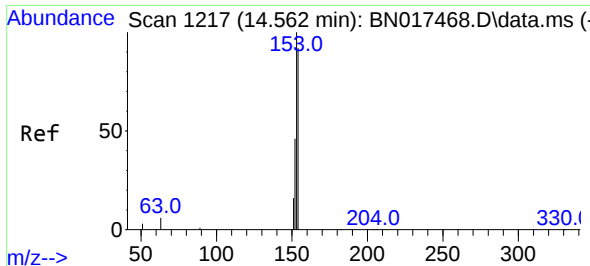
Tgt Ion:172	Resp:	36938
Ion Ratio	Lower	Upper
172	100	
171	35.9	28.7 43.1
170	24.0	19.4 29.2



#16
Acenaphthylene
Concen: 0.001 ng
RT: 14.206 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

Tgt Ion:152	Resp:	165
Ion Ratio	Lower	Upper
152	100	
151	89.7	15.5 23.3#
153	50.3	10.4 15.6#

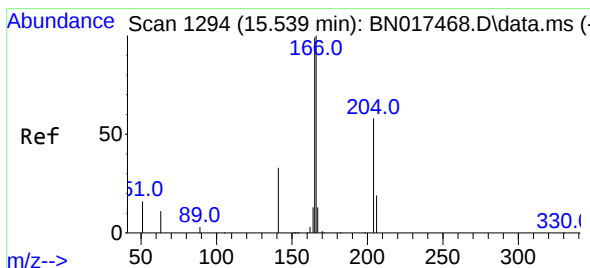
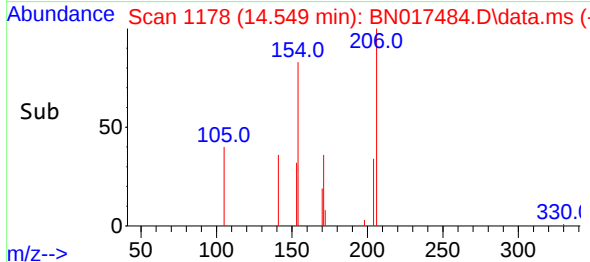
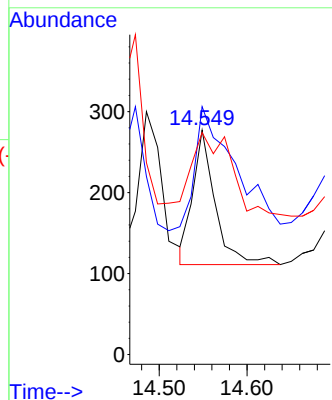
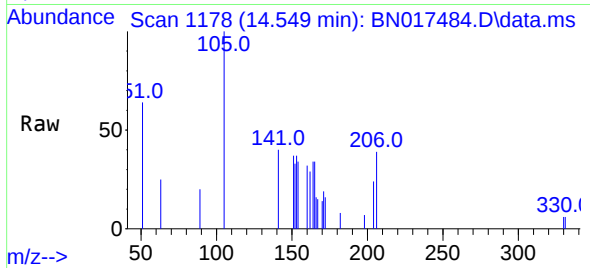




#17
Acenaphthene
Concen: 0.002 ng
RT: 14.549 min Scan# 1178
Delta R.T. -0.013 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

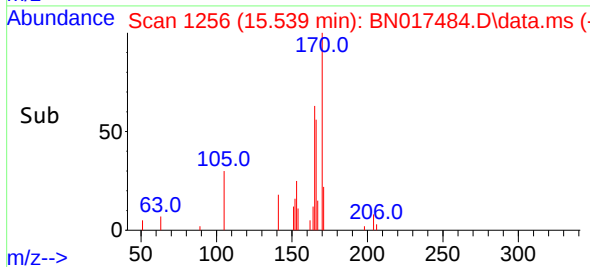
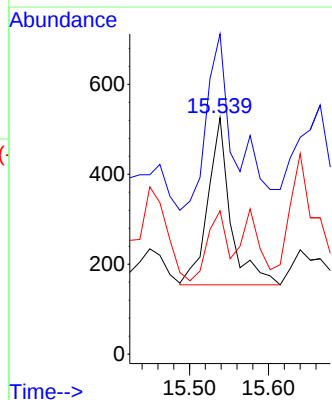
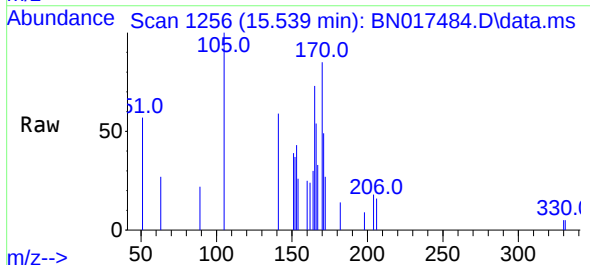
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-638-640

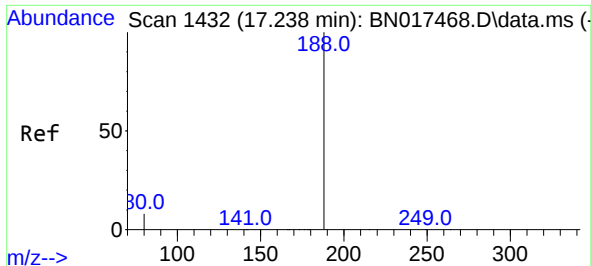
Tgt Ion:154 Resp: 295
Ion Ratio Lower Upper
154 100
153 164.7 91.2 136.8#
152 111.5 44.3 66.5#



#18
Fluorene
Concen: 0.004 ng
RT: 15.539 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

Tgt Ion:166 Resp: 740
Ion Ratio Lower Upper
166 100
165 131.1 77.9 116.9#
167 35.1 10.9 16.3#

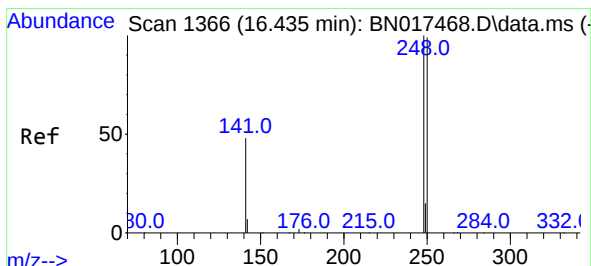
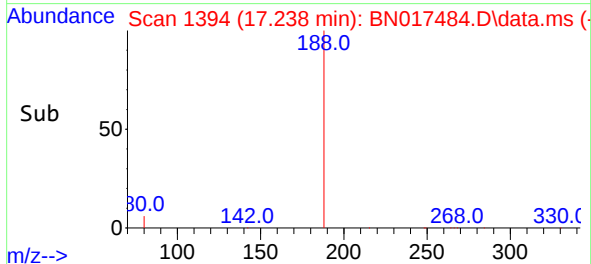
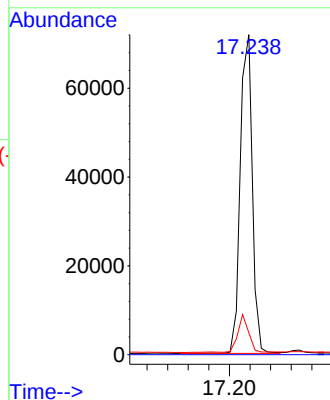
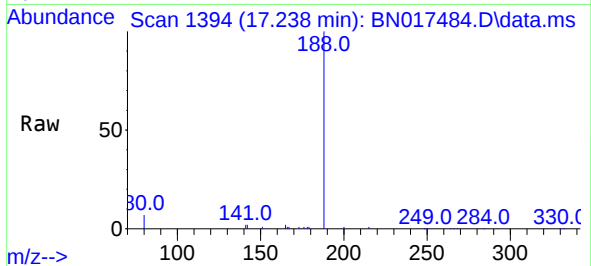




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.238 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

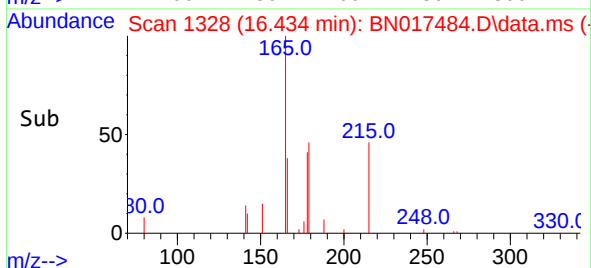
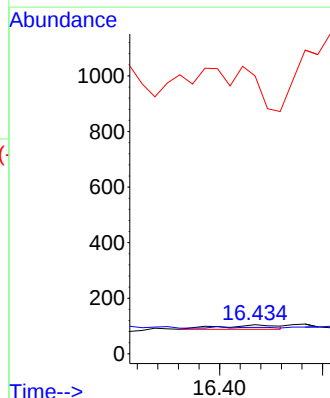
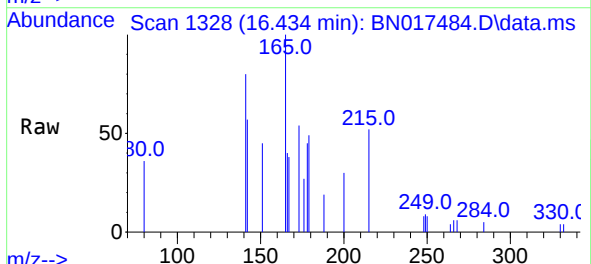
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-638-640

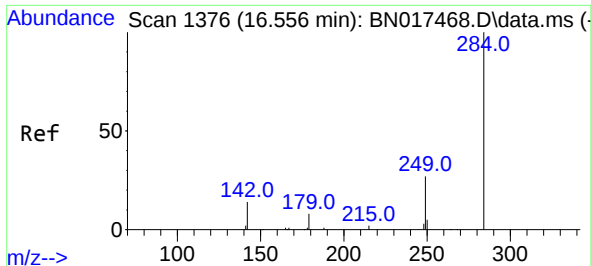
Tgt Ion:188 Resp: 116955
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.9 6.1 9.1



#21
4-Bromophenyl-phenylether
Concen: 0.001 ng
RT: 16.434 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

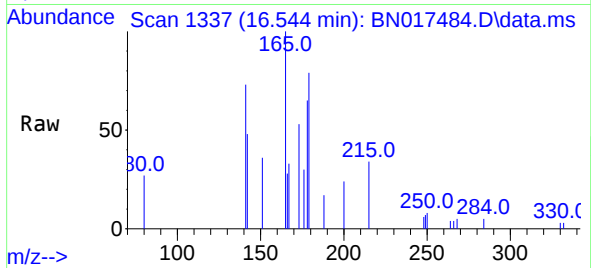
Tgt Ion:248 Resp: 64
Ion Ratio Lower Upper
248 100
250 90.5 71.8 107.8
141 952.4 70.9 106.3#



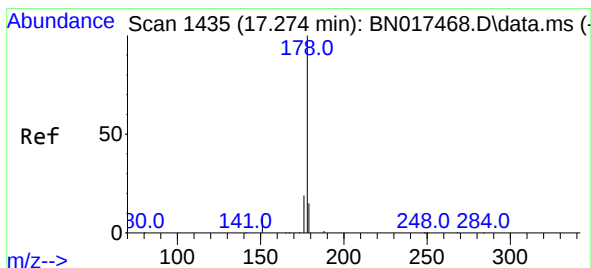
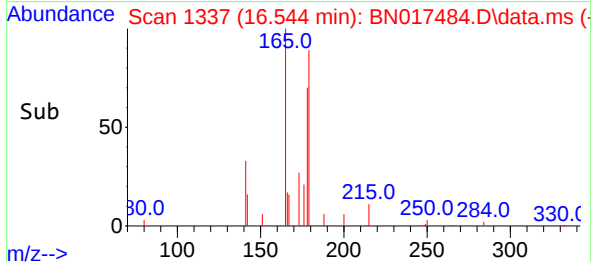
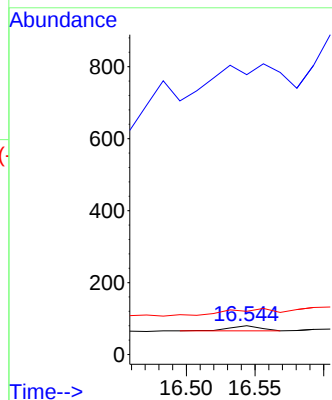


#22
Hexachlorobenzene
Concen: 0.000 ng
RT: 16.544 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-638-640

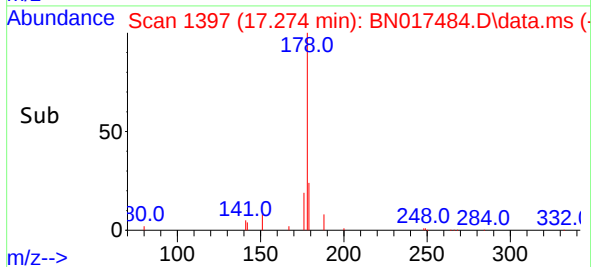
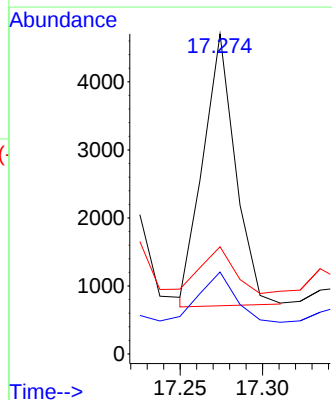
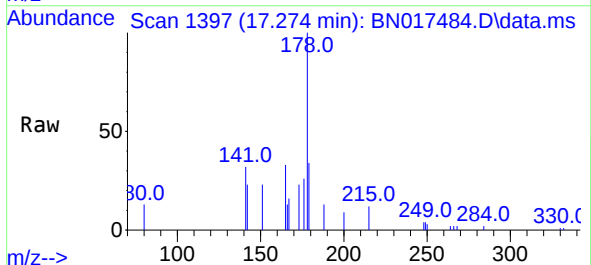


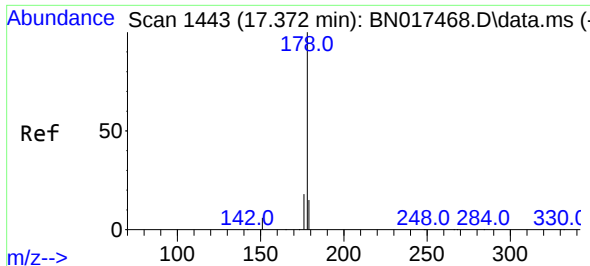
Tgt Ion:284 Resp: 22
Ion Ratio Lower Upper
284 100
142 1595.5 28.2 42.2#
249 245.5 24.4 36.6#



#25
Phenanthrene
Concen: 0.017 ng
RT: 17.274 min Scan# 1397
Delta R.T. -0.000 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

Tgt Ion:178 Resp: 5461
Ion Ratio Lower Upper
178 100
176 20.5 15.0 22.6
179 17.0 12.3 18.5

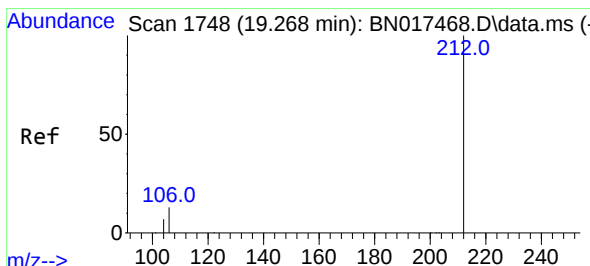
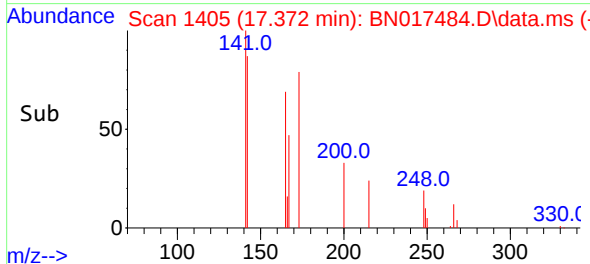
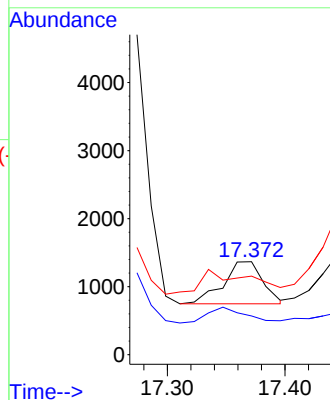
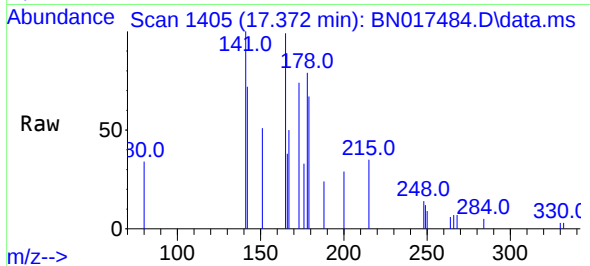




#26
 Anthracene
 Concen: 0.005 ng
 RT: 17.372 min Scan# 1443
 Delta R.T. -0.000 min
 Lab File: BN017484.D
 Acq: 16 Nov 2021 23:29

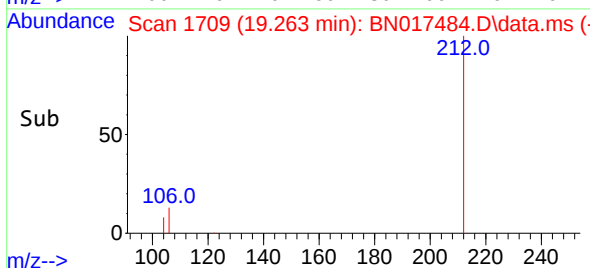
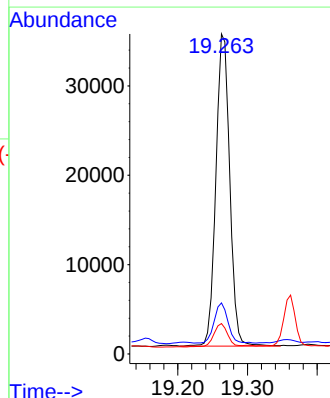
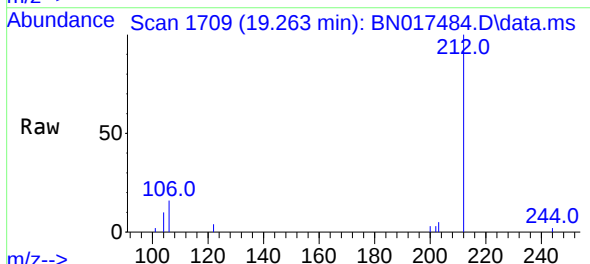
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW9-GW-638-640

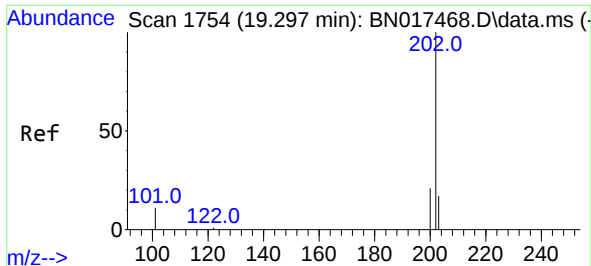
Tgt Ion:178 Resp: 1453
 Ion Ratio Lower Upper
 178 100
 176 0.0 14.6 22.0#
 179 0.0 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.138 ng
 RT: 19.263 min Scan# 1709
 Delta R.T. -0.005 min
 Lab File: BN017484.D
 Acq: 16 Nov 2021 23:29

Tgt Ion:212 Resp: 48142
 Ion Ratio Lower Upper
 212 100
 106 12.9 10.5 15.7
 104 7.7 5.8 8.6

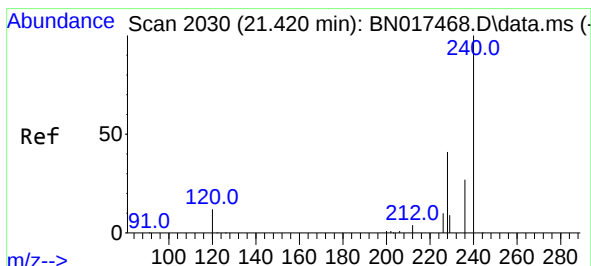
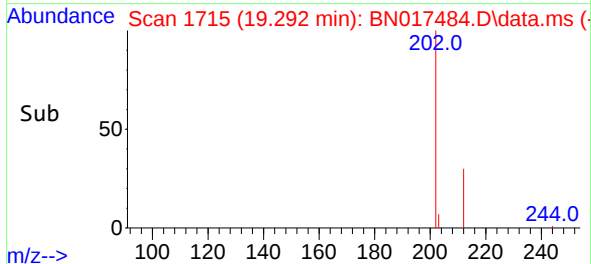
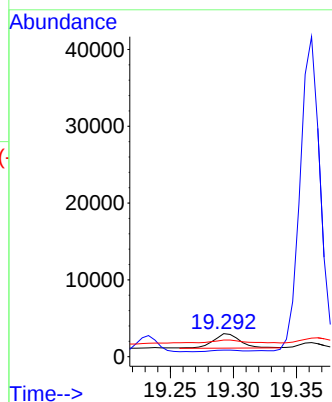
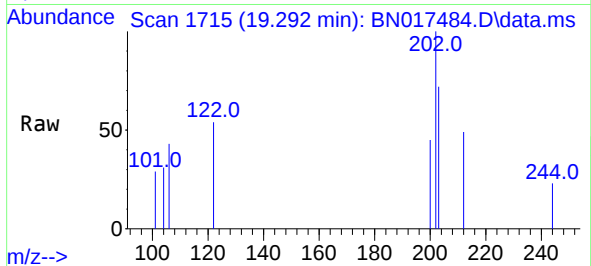




#28
Fluoranthene
Concen: 0.008 ng
RT: 19.292 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

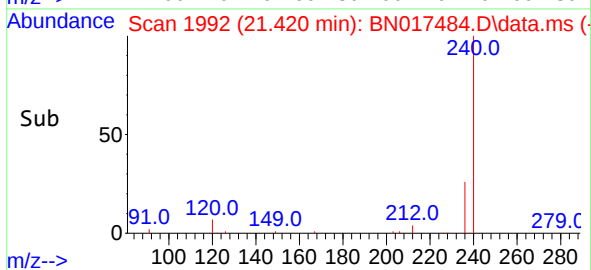
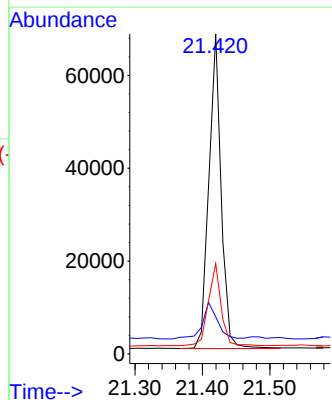
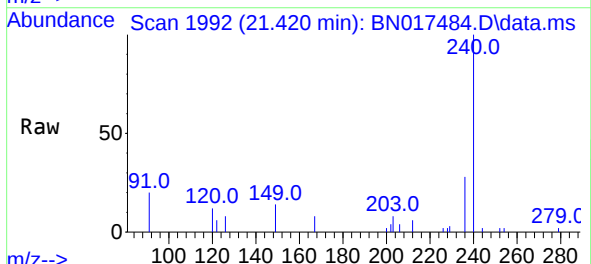
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-638-640

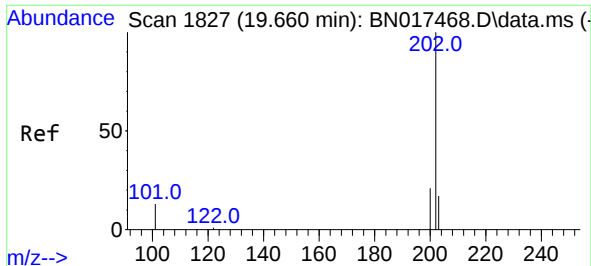
Tgt Ion:202 Resp: 2787
Ion Ratio Lower Upper
202 100
101 0.0 8.9 13.3#
203 56.4 13.8 20.6#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.420 min Scan# 1992
Delta R.T. -0.000 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

Tgt Ion:240 Resp: 85556
Ion Ratio Lower Upper
240 100
120 11.6 4.2 6.2#
236 28.2 20.0 30.0

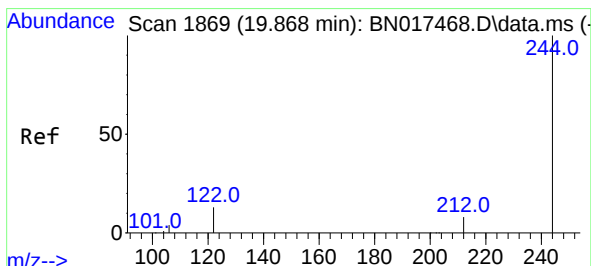
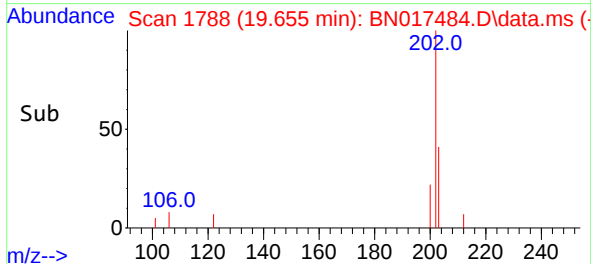
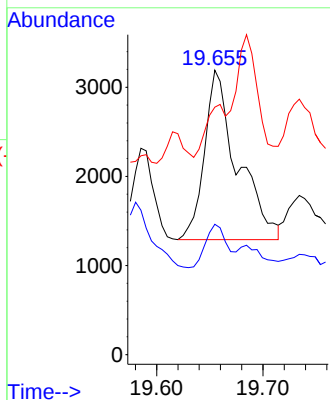
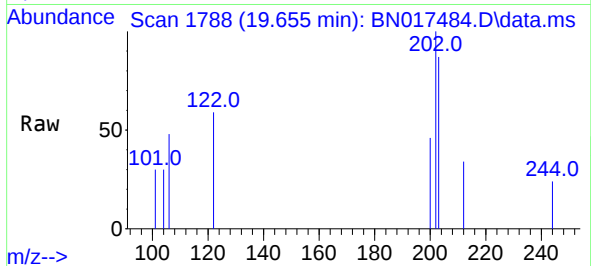




#30
Pyrene
Concen: 0.013 ng
RT: 19.655 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

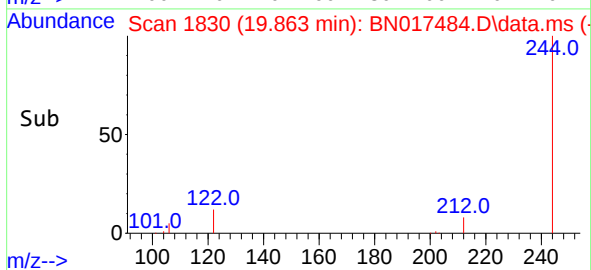
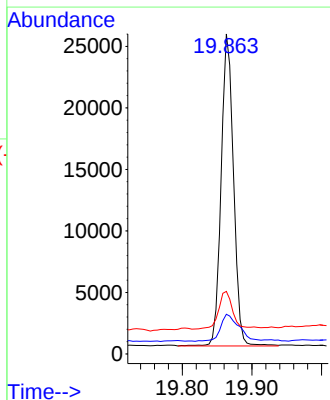
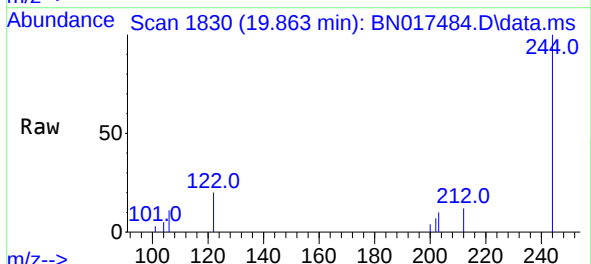
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-638-640

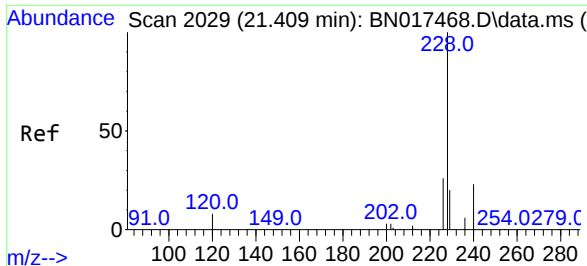
Tgt Ion:202 Resp: 4100
Ion Ratio Lower Upper
202 100
200 17.2 16.5 24.7
203 19.9 14.0 21.0



#31
Terphenyl-d14
Concen: 0.149 ng
RT: 19.863 min Scan# 1830
Delta R.T. -0.005 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

Tgt Ion:244 Resp: 31316
Ion Ratio Lower Upper
244 100
212 12.4 5.7 8.5#
122 19.6 8.6 13.0#

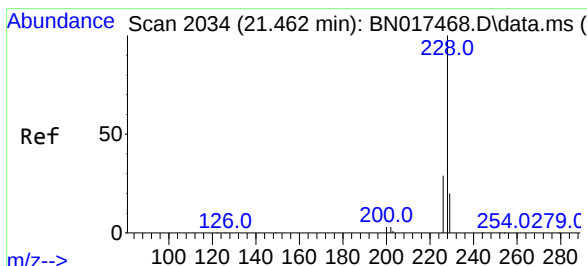
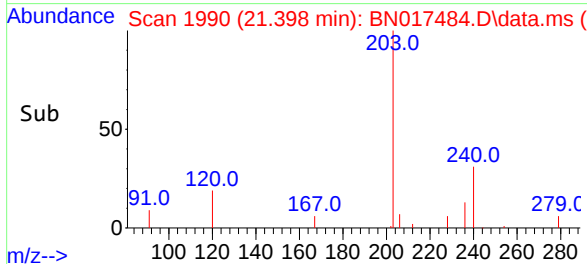
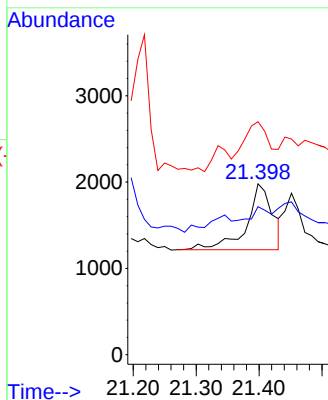
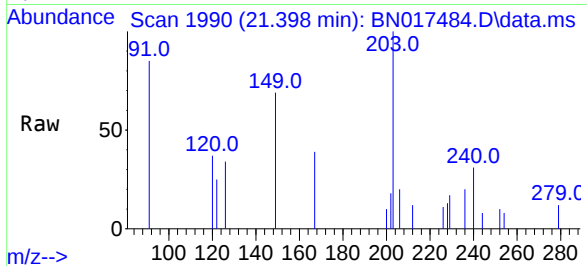




#32
Benzo(a)anthracene
Concen: 0.008 ng
RT: 21.398 min Scan# 1990
Delta R.T. -0.011 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

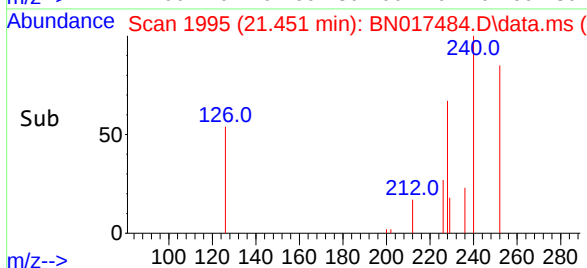
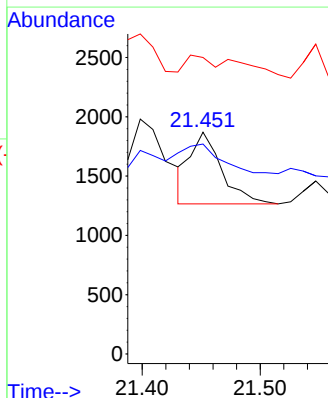
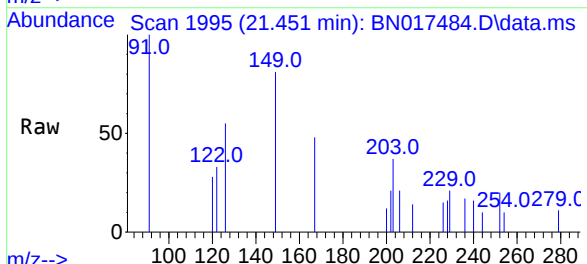
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-638-640

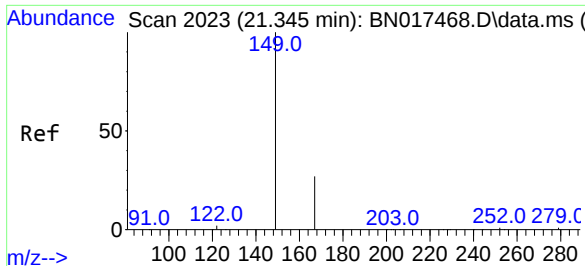
Tgt Ion:228 Resp: 2172
Ion Ratio Lower Upper
228 100
226 86.6 21.3 31.9#
229 136.2 15.7 23.5#



#33
Chrysene
Concen: 0.004 ng
RT: 21.451 min Scan# 1995
Delta R.T. -0.011 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

Tgt Ion:228 Resp: 1117
Ion Ratio Lower Upper
228 100
226 94.7 23.3 34.9#
229 133.6 15.6 23.4#

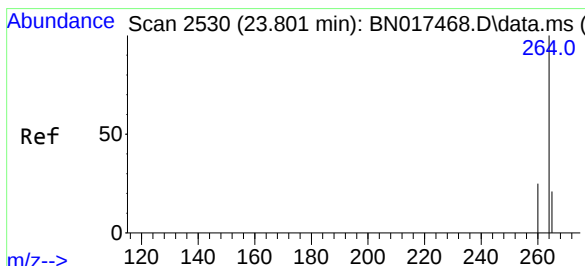
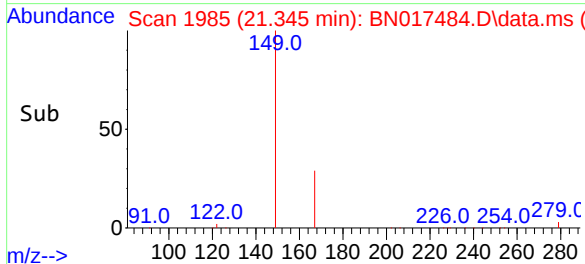
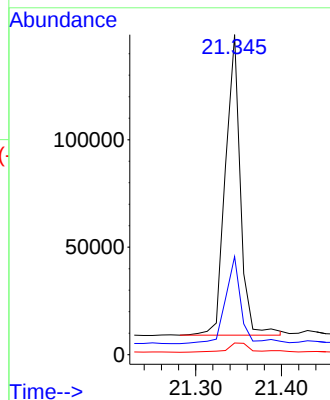
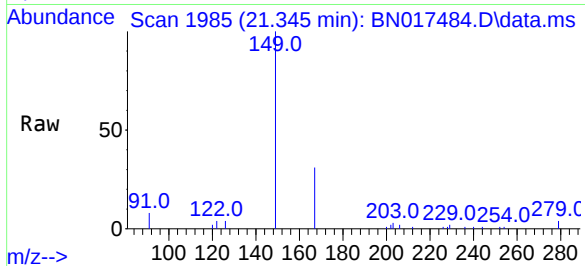




#34
Bis(2-ethylhexyl)phthalate
Concen: 1.220 ng
RT: 21.345 min Scan# 1985
Delta R.T. -0.000 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

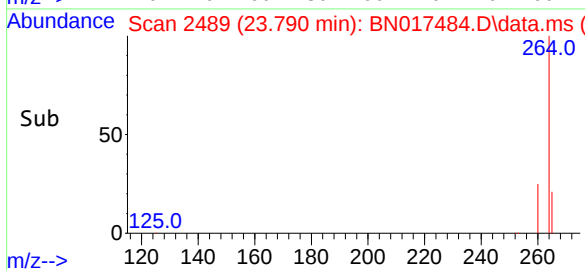
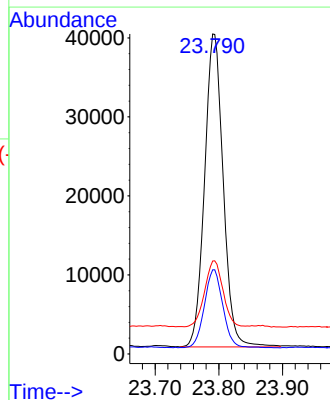
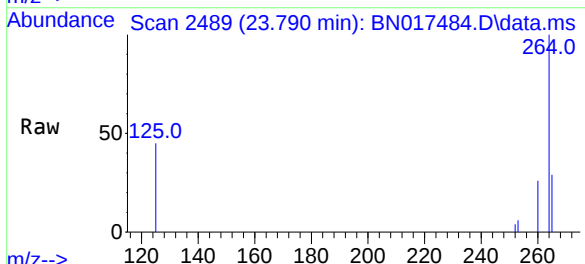
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-638-640

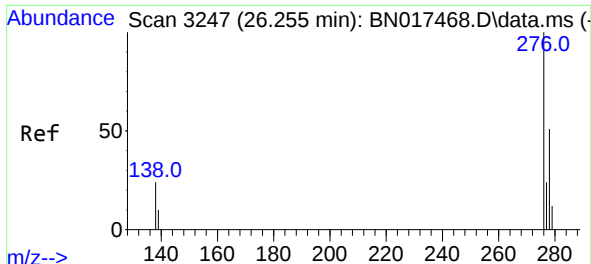
Tgt Ion:149 Resp: 168953
Ion Ratio Lower Upper
149 100
167 30.2 21.8 32.6
279 4.3 3.4 5.0



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.790 min Scan# 2489
Delta R.T. -0.010 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

Tgt Ion:264 Resp: 80472
Ion Ratio Lower Upper
264 100
260 26.3 19.4 29.2
265 29.0 18.6 28.0#

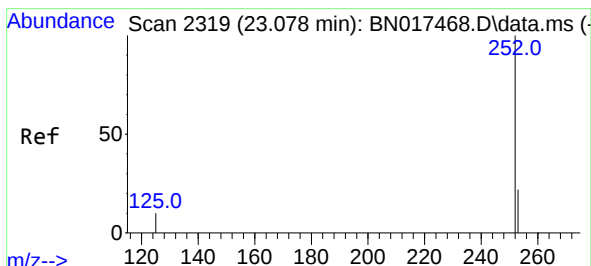
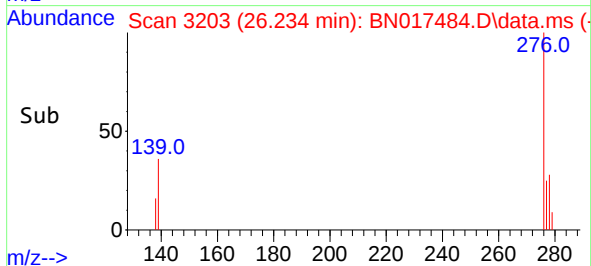
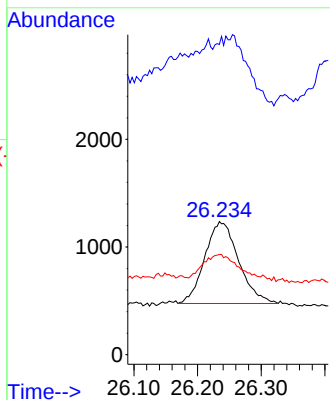
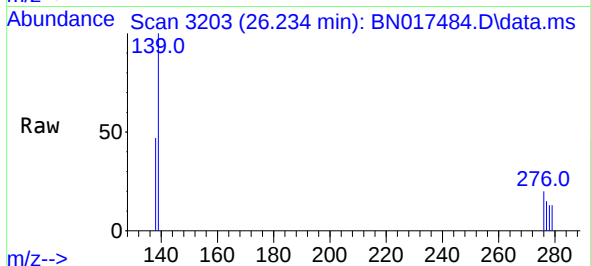




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.015 ng
 RT: 26.234 min Scan# 31
 Delta R.T. -0.021 min
 Lab File: BN017484.D
 Acq: 16 Nov 2021 23:29

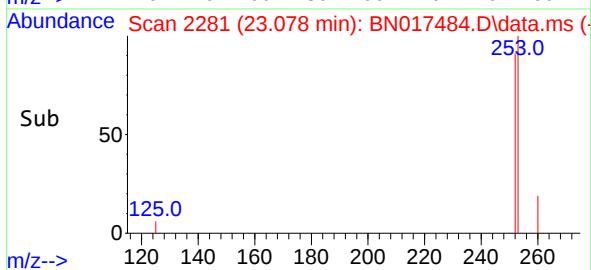
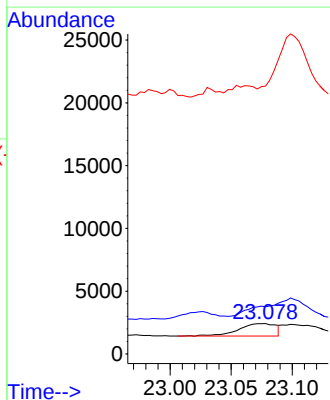
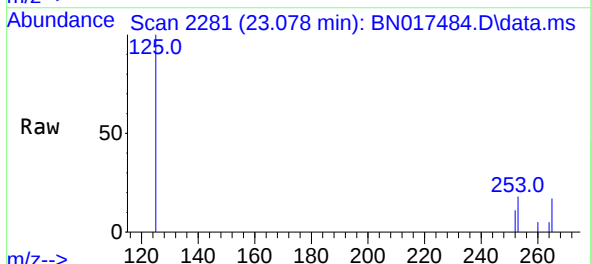
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW9-GW-638-640

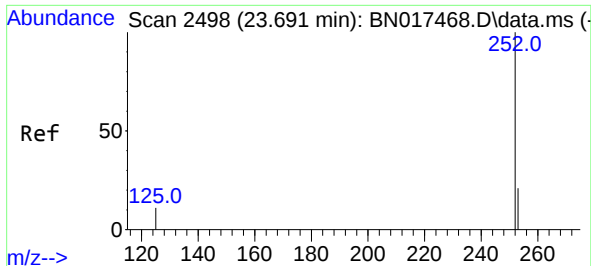
Tgt Ion:276 Resp: 2802
 Ion Ratio Lower Upper
 276 100
 138 0.0 19.7 29.5#
 277 27.1 20.0 30.0



#37
 Benzo(b)fluoranthene
 Concen: 0.007 ng
 RT: 23.078 min Scan# 2281
 Delta R.T. -0.000 min
 Lab File: BN017484.D
 Acq: 16 Nov 2021 23:29

Tgt Ion:252 Resp: 2111
 Ion Ratio Lower Upper
 252 100
 253 155.4 17.7 26.5#
 125 882.4 7.8 11.8#





#39

Benzo(a)pyrene

Concen: 0.011 ng

RT: 23.687 min Scan# 2498

Delta R.T. -0.004 min

Lab File: BN017484.D

Acq: 16 Nov 2021 23:29

Instrument :

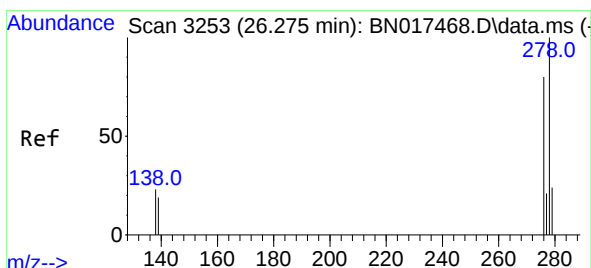
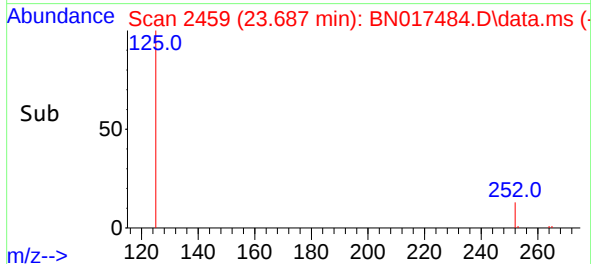
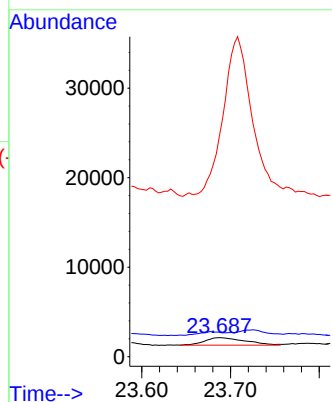
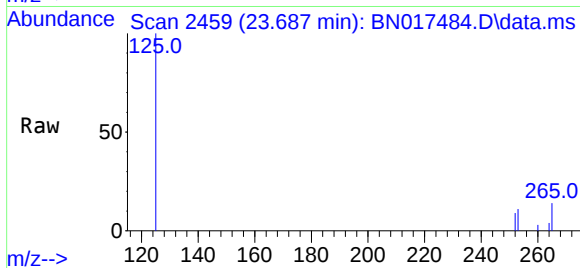
BNA_N

ClientSampleId :

BP-VPB-RW9-GW-638-640

Tgt Ion:252 Resp: 2624

Ion	Ratio	Lower	Upper
252	100		
253	128.4	17.9	26.9#
125	1156.6	9.2	13.8#



#40

Dibenzo(a,h)anthracene

Concen: 0.012 ng

RT: 26.258 min Scan# 3210

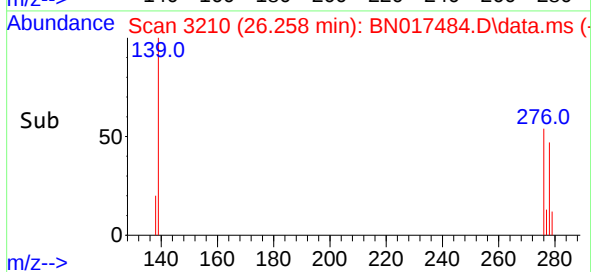
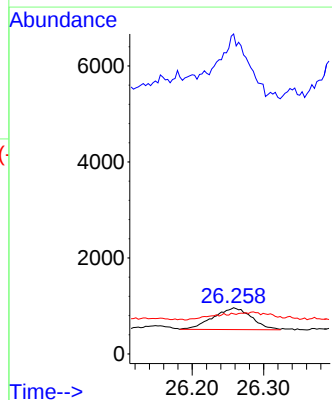
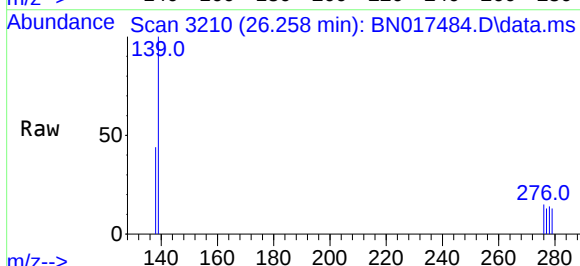
Delta R.T. -0.017 min

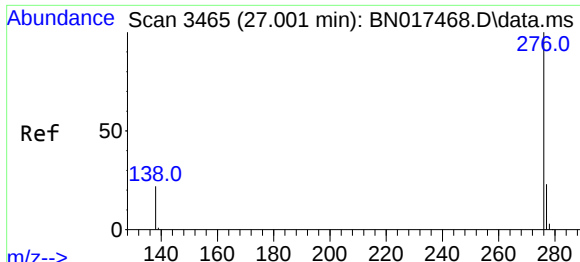
Lab File: BN017484.D

Acq: 16 Nov 2021 23:29

Tgt Ion:278 Resp: 1683

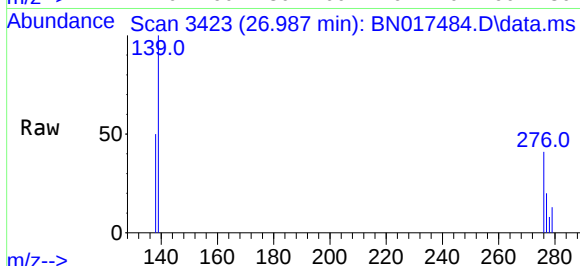
Ion	Ratio	Lower	Upper
278	100		
139	691.6	13.0	19.6#
279	86.9	19.2	28.8#





#41
Benzo(g,h,i)perylene
Concen: 0.036 ng
RT: 26.987 min Scan# 34
Delta R.T. -0.014 min
Lab File: BN017484.D
Acq: 16 Nov 2021 23:29

Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW9-GW-638-640



Tgt Ion:276 Resp: 6220
Ion Ratio Lower Upper
276 100
277 49.3 19.0 28.4#
138 122.3 17.1 25.7#

