

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120621\
 Data File : BN017746.D
 Acq On : 07 Dec 2021 01:58
 Operator : CG/JU
 Sample : M4917-10RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-26RE

Quant Time: Dec 07 06:53:12 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN120621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 06 15:58:05 2021
 Response via : Initial Calibration

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

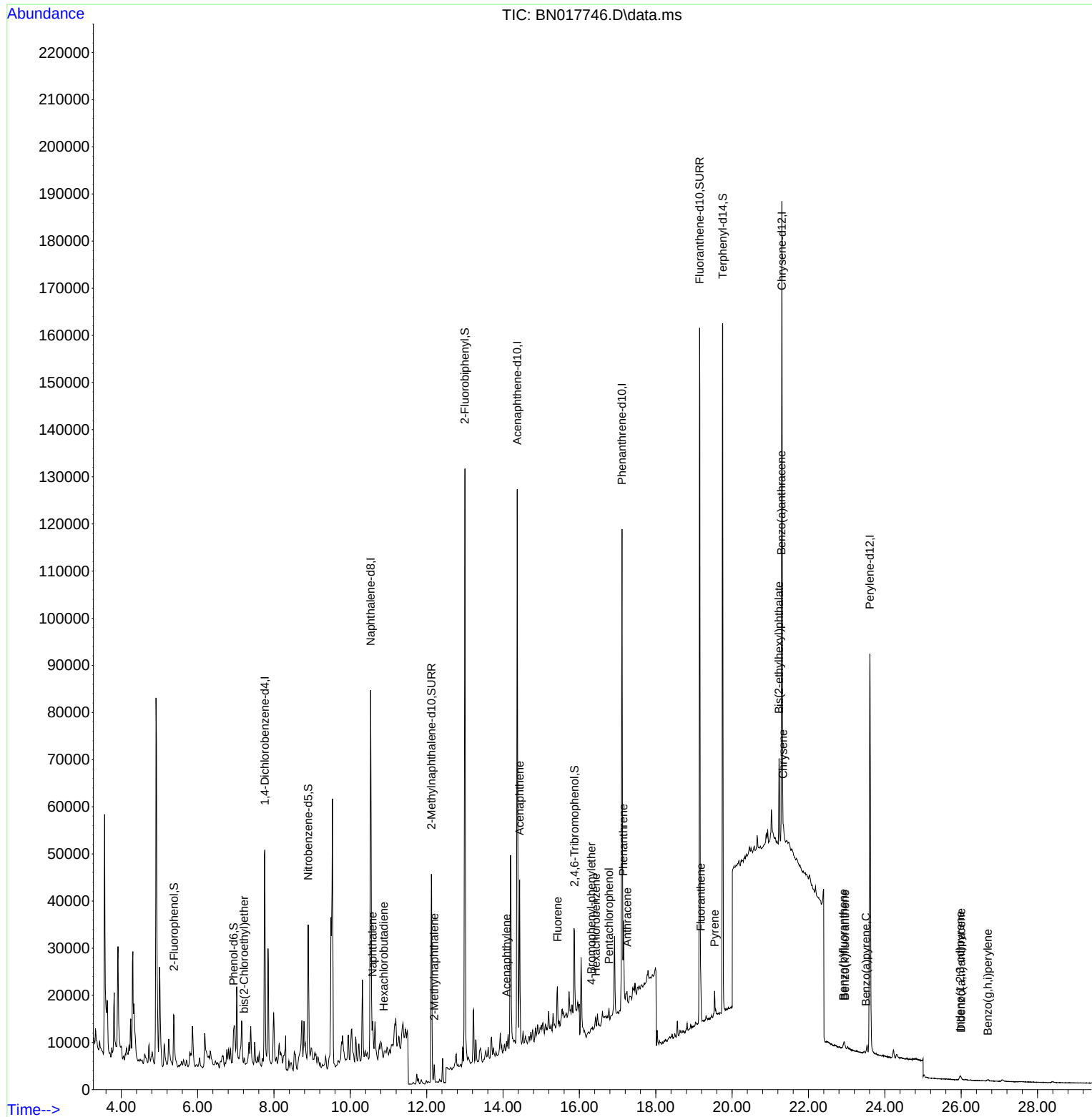
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.761	152	24793	0.400	ng	0.00
7) Naphthalene-d8	10.532	136	102627	0.400	ng	# 0.00
13) Acenaphthene-d10	14.373	164	65921	0.400	ng	0.00
19) Phenanthrene-d10	17.117	188	140114	0.400	ng	0.00
29) Chrysene-d12	21.304	240	130132	0.400	ng	# 0.00
35) Perylene-d12	23.610	264	118987	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.382	112	12131	0.228	ng	0.03
5) Phenol-d6	6.940	99	7781	0.137	ng	0.00
8) Nitrobenzene-d5	8.897	82	25194	0.363	ng	0.00
11) 2-Methylnaphthalene-d10	12.125	152	60882	0.324	ng	0.00
14) 2,4,6-Tribromophenol	15.870	330	18690	0.589	ng	0.00
15) 2-Fluorobiphenyl	13.002	172	107448	0.440	ng	0.00
27) Fluoranthene-d10	19.149	212	173670	0.368	ng	0.00
31) Terphenyl-d14	19.755	244	159820	0.479	ng	0.00
Target Compounds						
						Qvalue
6) bis(2-Chloroethyl)ether	7.217	93	407	0.007	ng	# 26
9) Naphthalene	10.583	128	9893	0.039	ng	# 91
10) Hexachlorobutadiene	10.874	225	15	0.000	ng	# 18
12) 2-Methylnaphthalene	12.196	142	2734	0.016	ng	# 87
16) Acenaphthylene	14.094	152	863	0.003	ng	# 59
17) Acenaphthene	14.436	154	17196	0.100	ng	98
18) Fluorene	15.426	166	5290	0.024	ng	# 94
21) 4-Bromophenyl-phenylether	16.314	248	45	0.001	ng	# 1
22) Hexachlorobenzene	16.435	284	58	0.001	ng	# 1
24) Pentachlorophenol	16.776	266	1452	0.229	ng	91
25) Phenanthrene	17.153	178	20672	0.056	ng	# 84
26) Anthracene	17.251	178	2679	0.008	ng	# 50
28) Fluoranthene	19.179	202	7095	0.016	ng	# 95
30) Pyrene	19.541	202	5540	0.011	ng	# 84
32) Benzo(a)anthracene	21.293	228	1841	0.005	ng	# 1
33) Chrysene	21.336	228	1012	0.002	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.229	149	18335	0.089	ng	# 95
36) Indeno(1,2,3-cd)pyrene	25.975	276	797	0.003	ng	# 42
37) Benzo(b)fluoranthene	22.911	252	1077	0.003	ng	# 1
38) Benzo(k)fluoranthene	22.956	252	820	0.002	ng	# 1
39) Benzo(a)pyrene	23.510	252	907	0.003	ng	# 1
40) Dibenzo(a,h)anthracene	25.999	278	597	0.003	ng	# 1
41) Benzo(g,h,i)perylene	26.700	276	664	0.003	ng	# 1

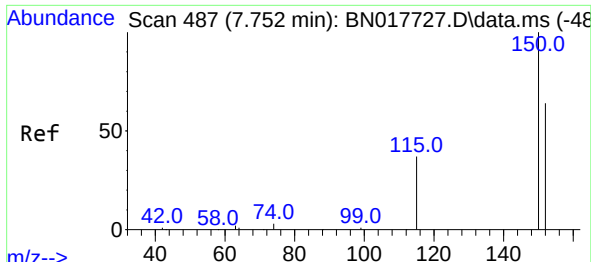
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 06 15:58:05 2021
Response via : Initial Calibration

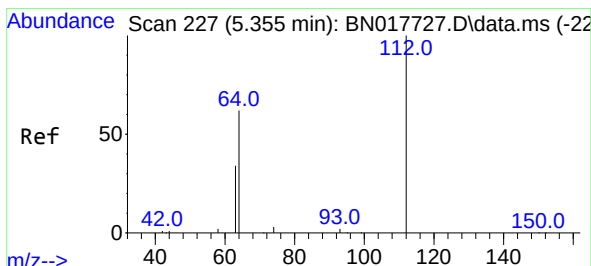
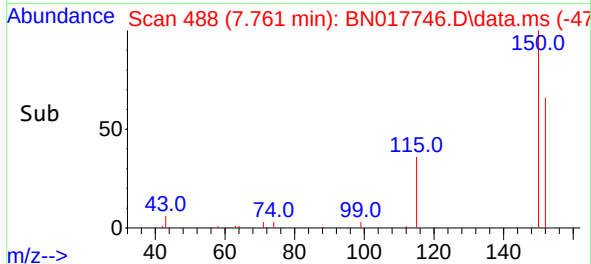
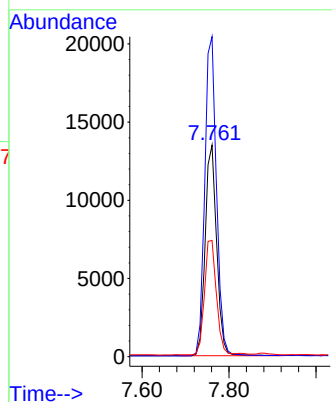
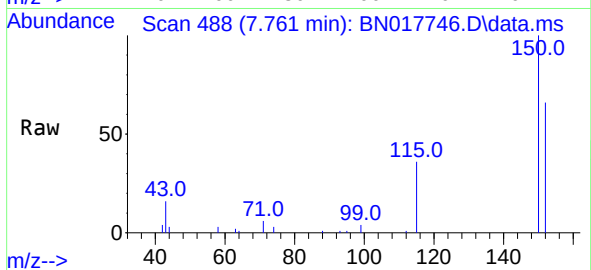




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.761 min Scan# 41
Delta R.T. 0.009 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

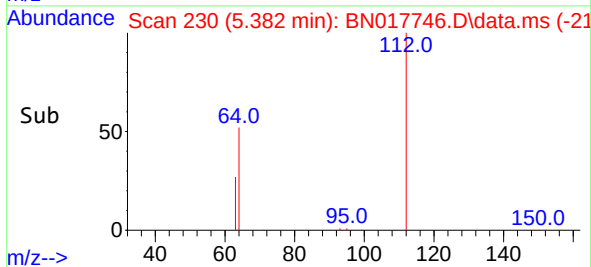
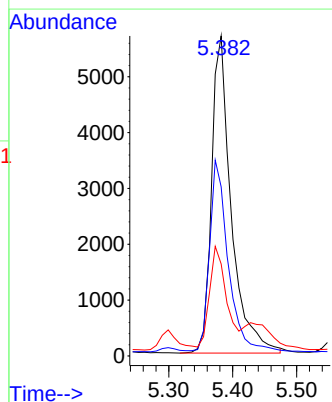
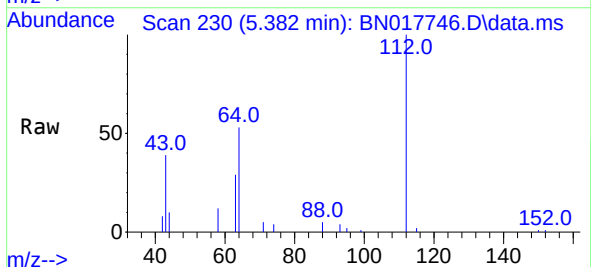
Instrument :
BNA_N
ClientSampleId :
MW-26RE

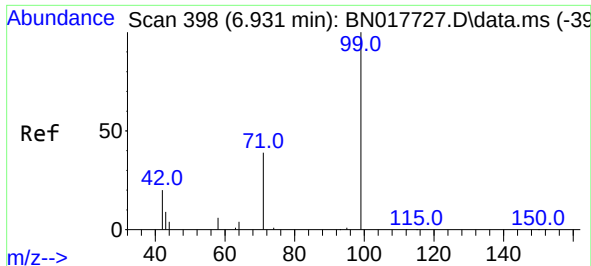
Tgt Ion:152 Resp: 24793
Ion Ratio Lower Upper
152 100
150 151.3 123.0 184.4
115 54.9 45.6 68.4



#4
2-Fluorophenol
Concen: 0.228 ng
RT: 5.382 min Scan# 230
Delta R.T. 0.027 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

Tgt Ion:112 Resp: 12131
Ion Ratio Lower Upper
112 100
64 55.8 47.6 71.4
63 27.1 24.6 37.0

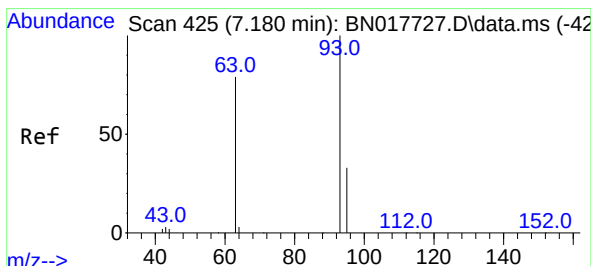
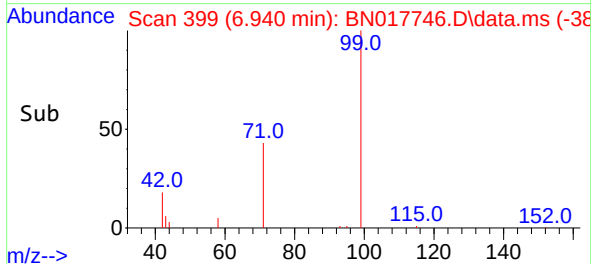
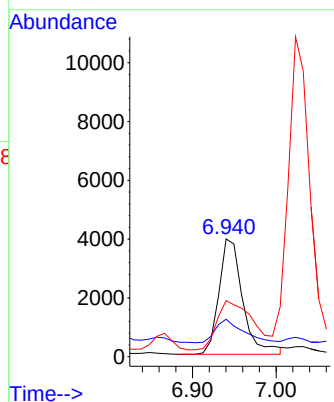
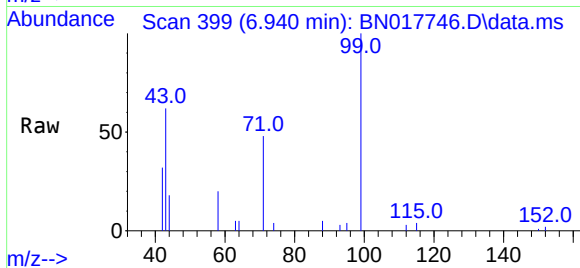




#5
Phenol-d6
Concen: 0.137 ng
RT: 6.940 min Scan# 398
Delta R.T. 0.009 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

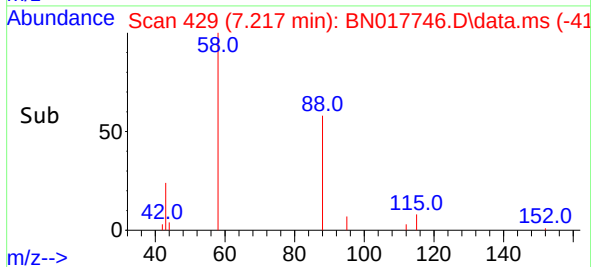
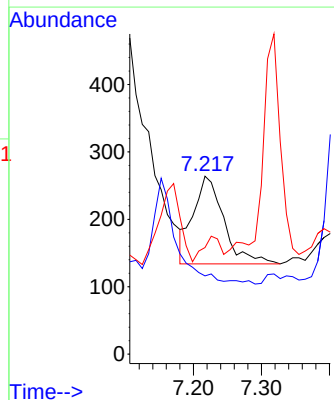
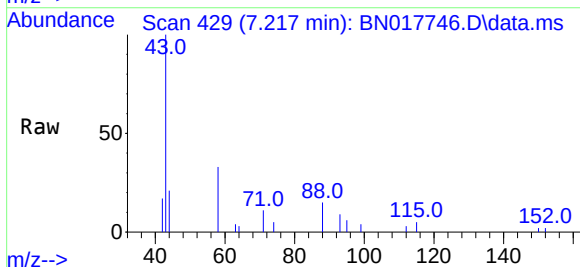
Instrument :
BNA_N
ClientSampleId :
MW-26RE

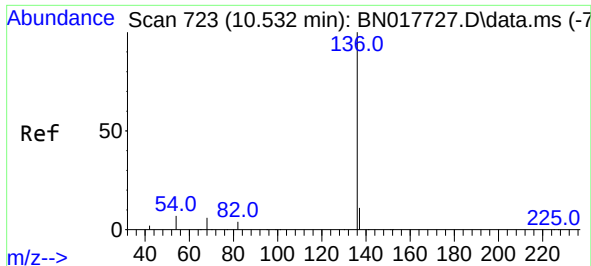
Tgt Ion: 99 Resp: 7781
Ion Ratio Lower Upper
99 100
42 23.4 17.0 25.6
71 65.0 24.8 37.2#



#6
bis(2-Chloroethyl)ether
Concen: 0.007 ng
RT: 7.217 min Scan# 429
Delta R.T. 0.037 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

Tgt Ion: 93 Resp: 407
Ion Ratio Lower Upper
93 100
63 0.0 65.8 98.6#
95 16.2 26.6 39.8#



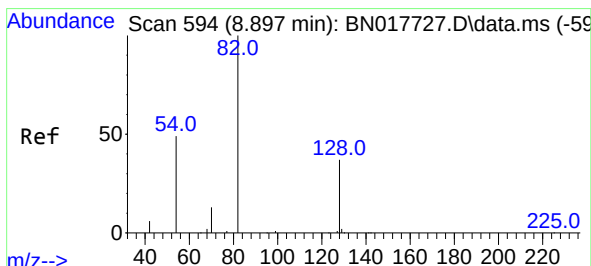
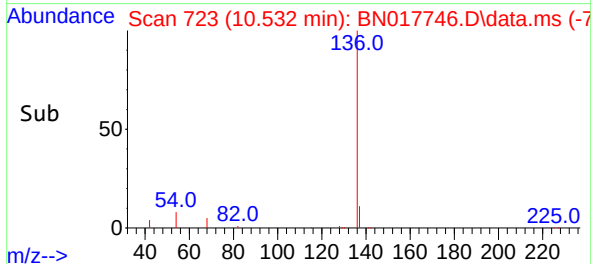
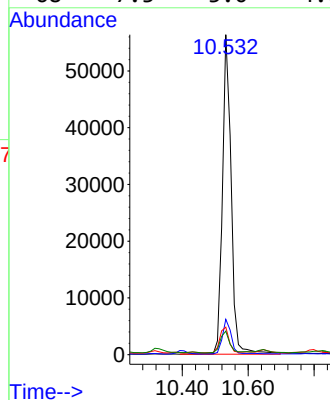
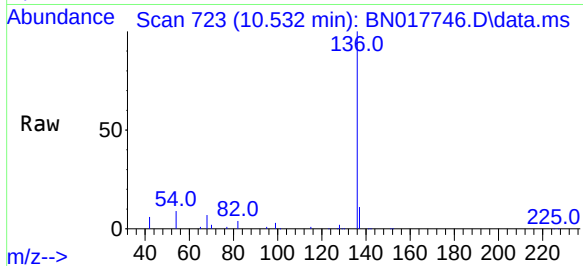


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.532 min Scan# 723
Delta R.T. -0.000 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

Instrument :
BNA_N
ClientSampleId :
MW-26RE

Tgt Ion: 136 Resp: 102627

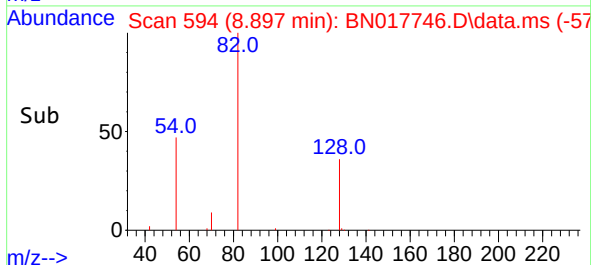
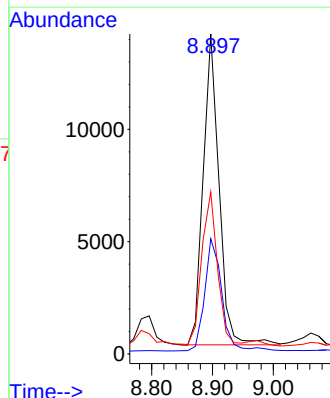
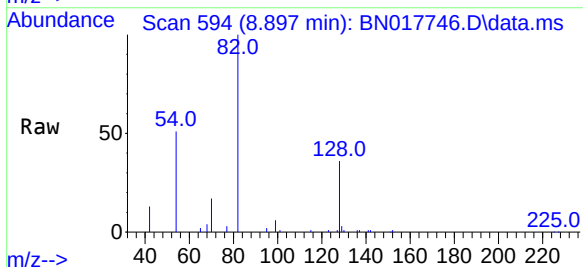
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.6	4.0	6.0#
68	7.3	3.0	4.6#

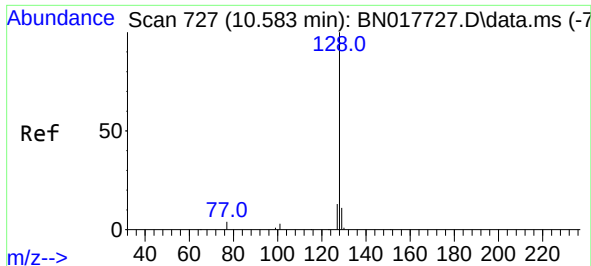


#8
Nitrobenzene-d5
Concen: 0.363 ng
RT: 8.897 min Scan# 594
Delta R.T. -0.000 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

Tgt Ion: 82 Resp: 25194

Ion	Ratio	Lower	Upper
82	100		
128	36.0	27.7	41.5
54	50.6	49.2	73.8





#9
Naphthalene
Concen: 0.039 ng
RT: 10.583 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

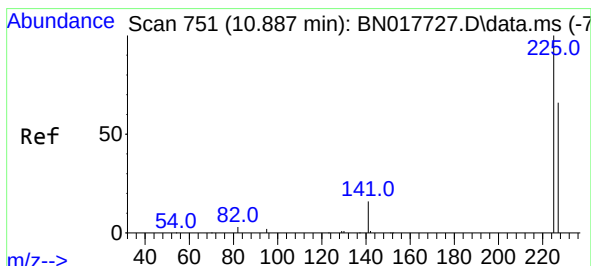
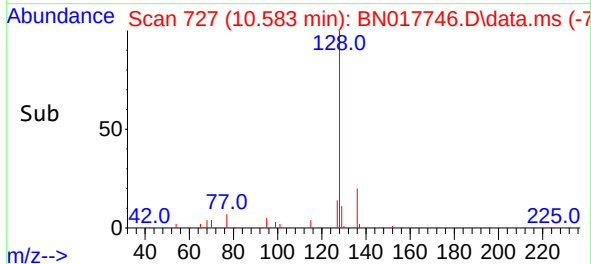
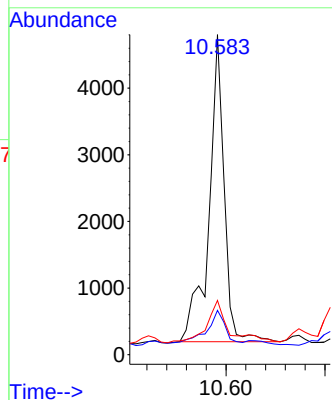
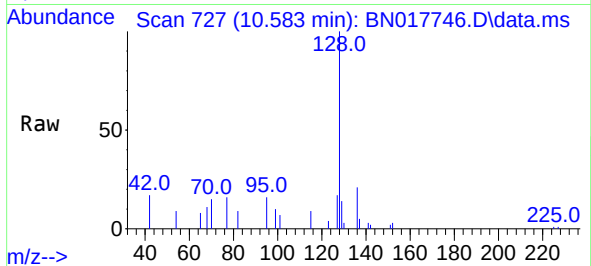
Instrument :

BNA_N

ClientSampleId :

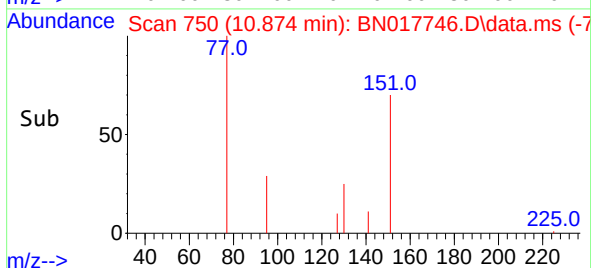
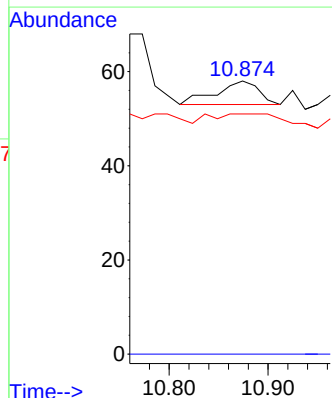
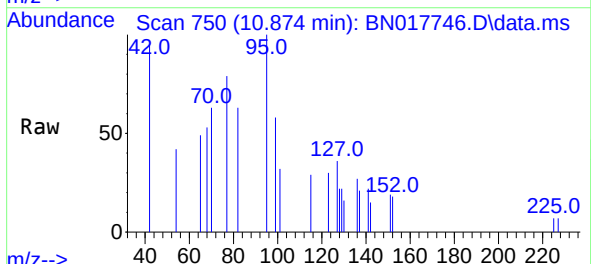
MW-26RE

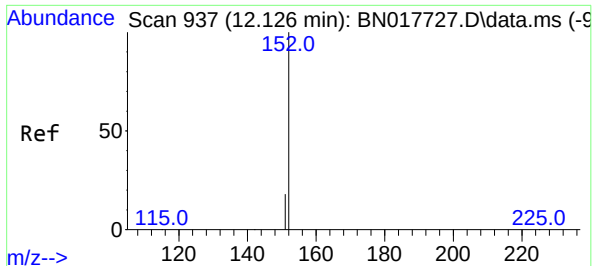
Tgt Ion:128 Resp: 9893
Ion Ratio Lower Upper
128 100
129 13.9 8.8 13.2#
127 16.9 10.6 15.8#



#10
Hexachlorobutadiene
Concen: 0.000 ng
RT: 10.874 min Scan# 750
Delta R.T. -0.013 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

Tgt Ion:225 Resp: 15
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 0.0 51.1 76.7#





#11

2-Methylnaphthalene-d10

Concen: 0.324 ng

RT: 12.125 min Scan# 91

Delta R.T. -0.000 min

Lab File: BN017746.D

Acq: 07 Dec 2021 01:58

Instrument :

BNA_N

ClientSampleId :

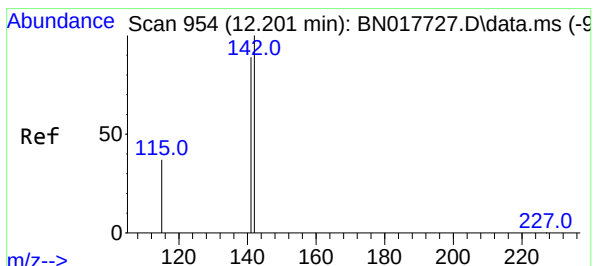
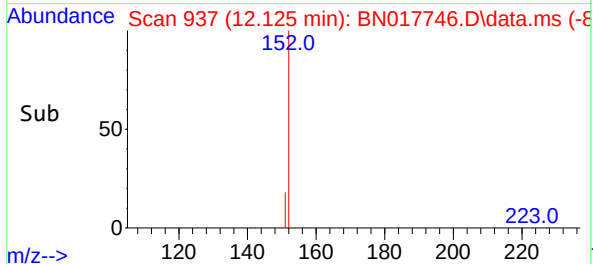
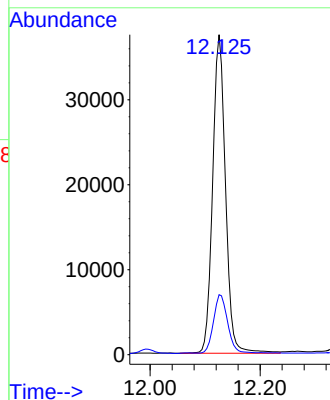
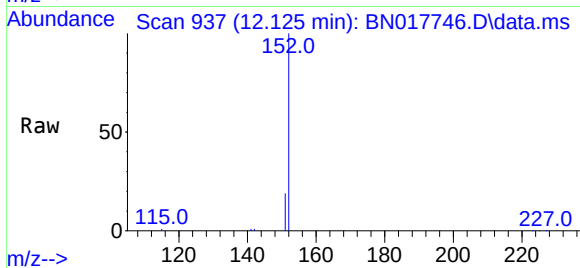
MW-26RE

Tgt Ion:152 Resp: 60882

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.4



#12

2-Methylnaphthalene

Concen: 0.016 ng

RT: 12.196 min Scan# 953

Delta R.T. -0.005 min

Lab File: BN017746.D

Acq: 07 Dec 2021 01:58

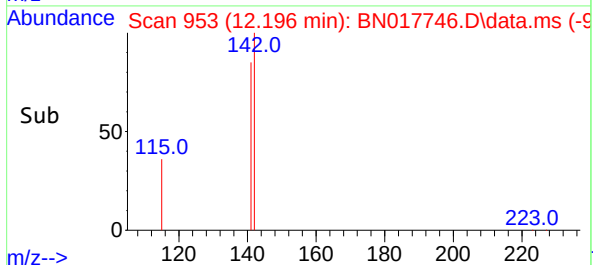
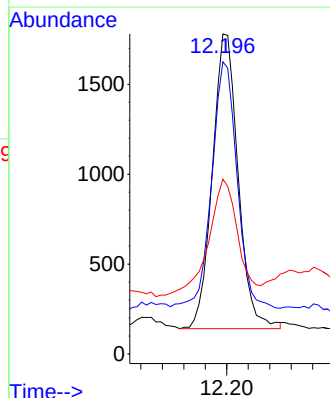
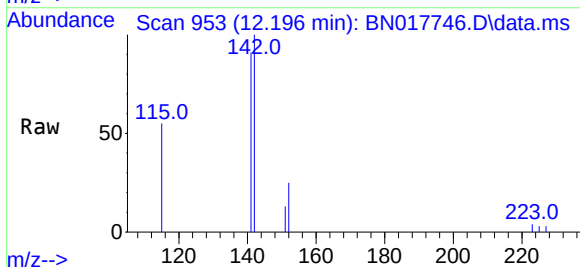
Tgt Ion:142 Resp: 2734

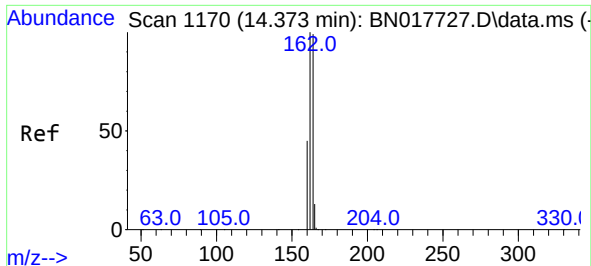
Ion Ratio Lower Upper

142 100

141 91.3 70.6 106.0

115 54.6 25.8 38.6#

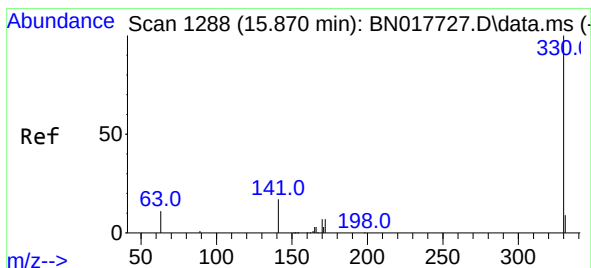
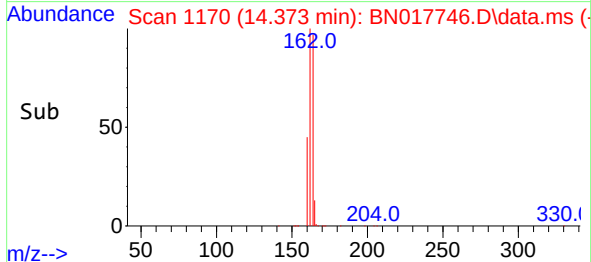
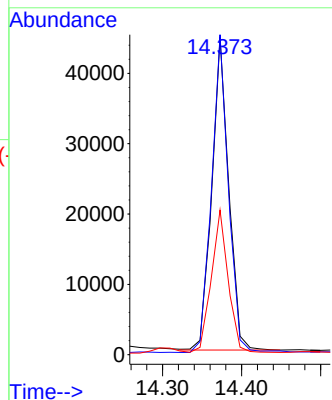
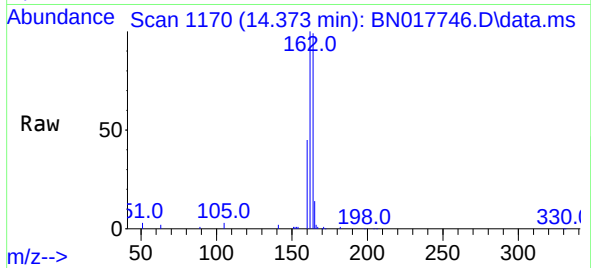




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.373 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

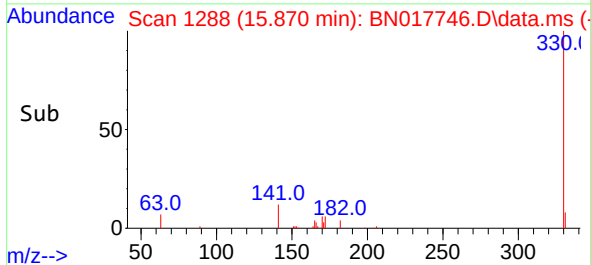
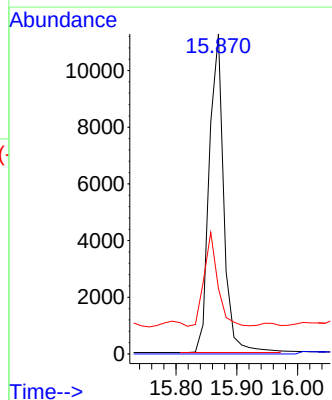
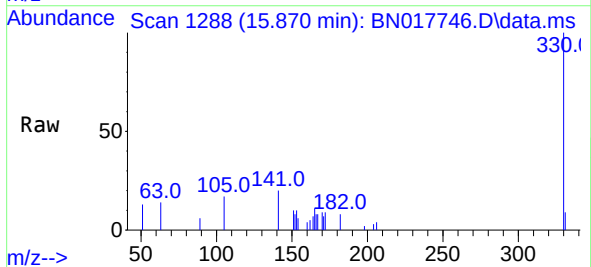
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MW-26RE

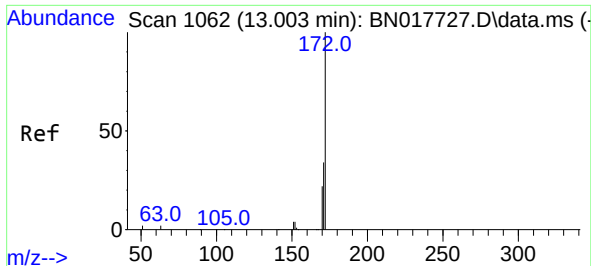
Tgt Ion:164 Resp: 65921
Ion Ratio Lower Upper
164 100
162 100.8 81.4 122.2
160 45.5 36.8 55.2



#14
2,4,6-Tribromophenol
Concen: 0.589 ng
RT: 15.870 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

Tgt Ion:330 Resp: 18690
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 27.6 28.9 43.3#

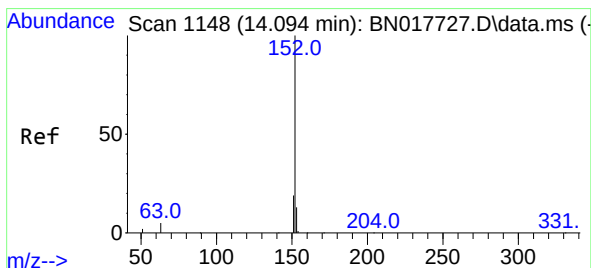
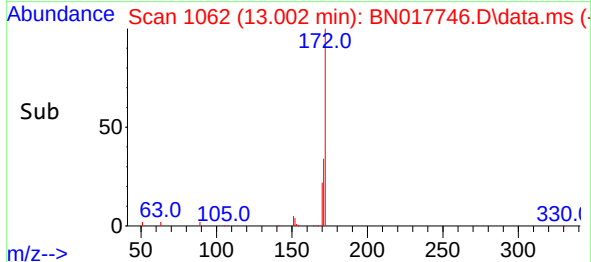
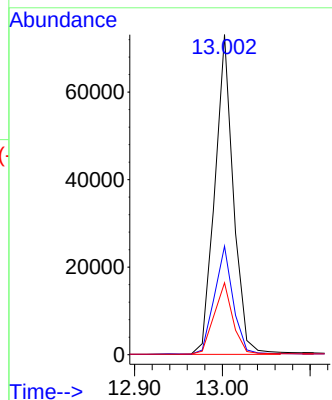
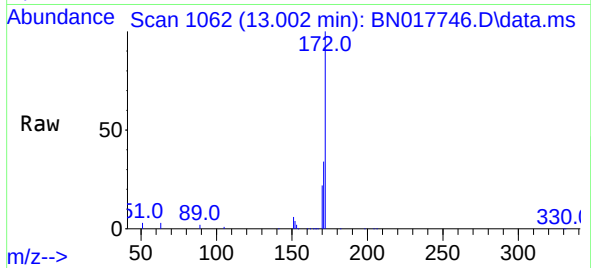




#15
2-Fluorobiphenyl
Concen: 0.440 ng
RT: 13.002 min Scan# 1062
Delta R.T. -0.000 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

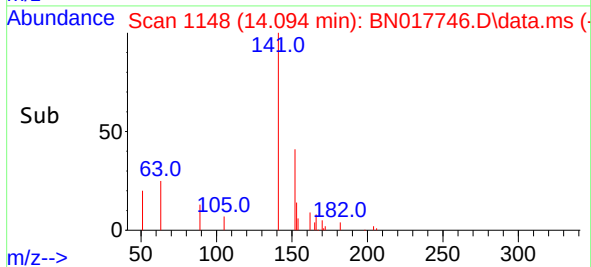
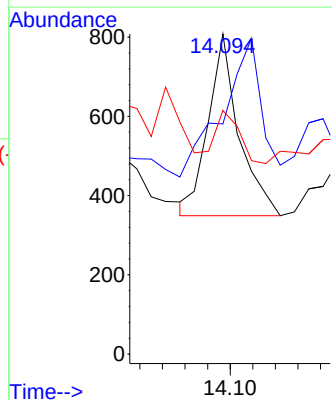
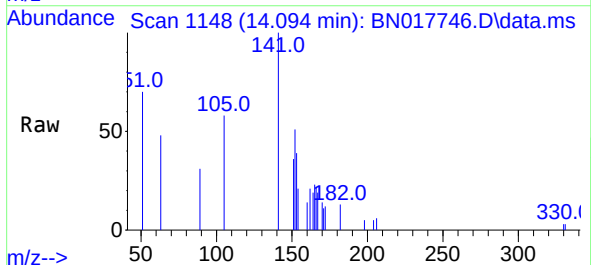
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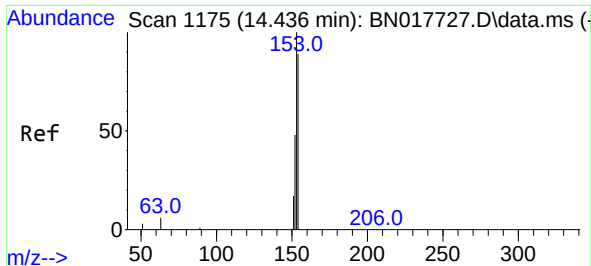
Tgt Ion:172 Resp: 107448
Ion Ratio Lower Upper
172 100
171 33.9 28.7 43.1
170 22.5 19.4 29.2



#16
Acenaphthylene
Concen: 0.003 ng
RT: 14.094 min Scan# 1148
Delta R.T. -0.000 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

Tgt Ion:152 Resp: 863
Ion Ratio Lower Upper
152 100
151 0.0 15.5 23.3#
153 28.7 10.4 15.6#

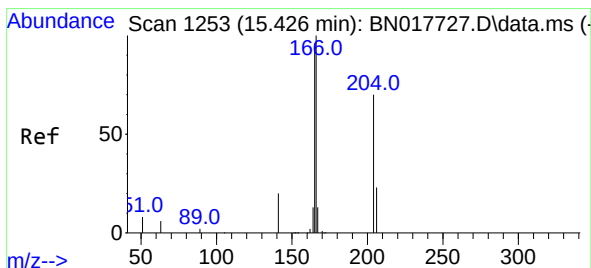
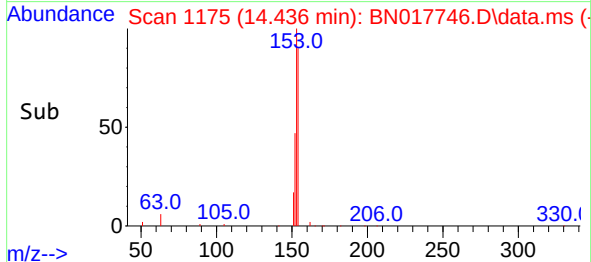
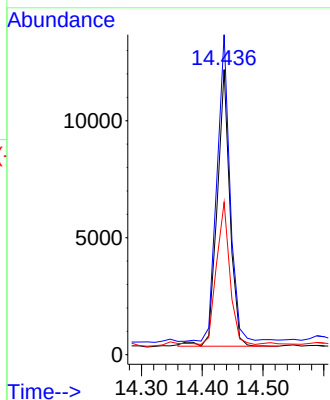
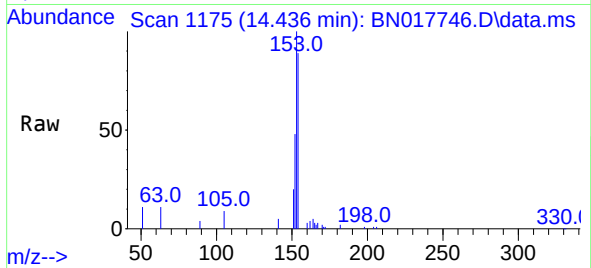




#17
Acenaphthene
Concen: 0.100 ng
RT: 14.436 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

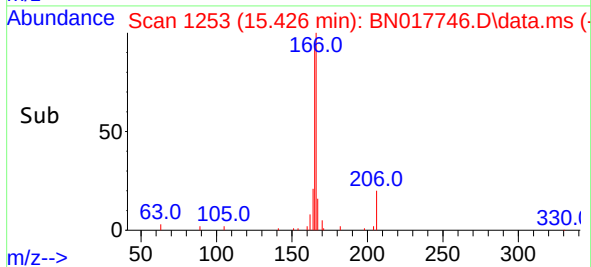
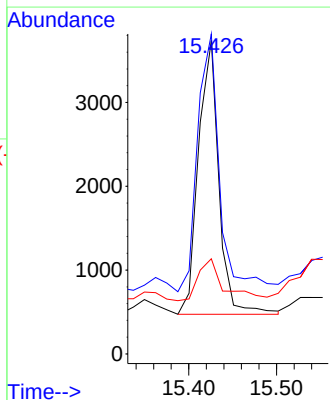
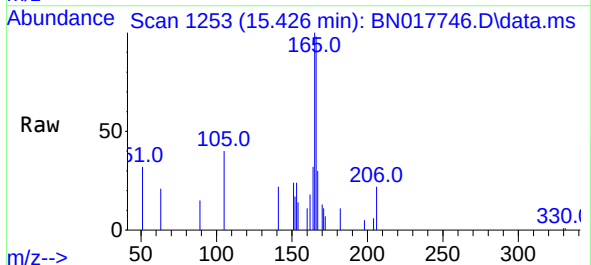
Instrument :
BNA_N
ClientSampleId :
MW-26RE

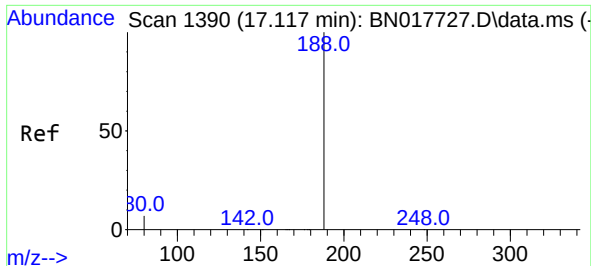
Tgt Ion:154 Resp: 17196
Ion Ratio Lower Upper
154 100
153 112.3 91.2 136.8
152 53.2 44.3 66.5



#18
Fluorene
Concen: 0.024 ng
RT: 15.426 min Scan# 1253
Delta R.T. -0.000 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

Tgt Ion:166 Resp: 5290
Ion Ratio Lower Upper
166 100
165 102.5 77.9 116.9
167 19.2 10.9 16.3

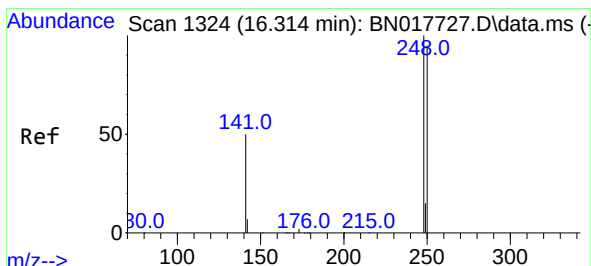
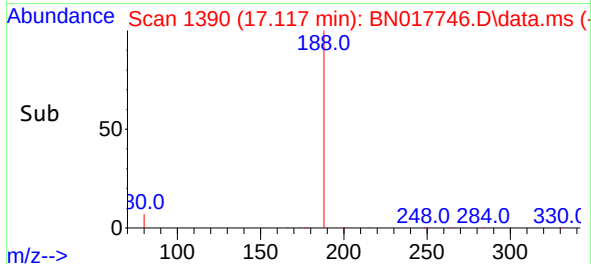
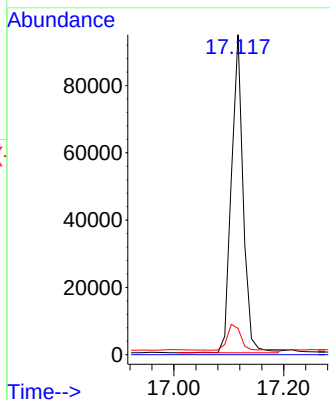
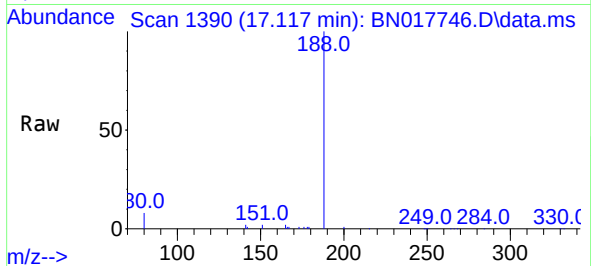




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.117 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

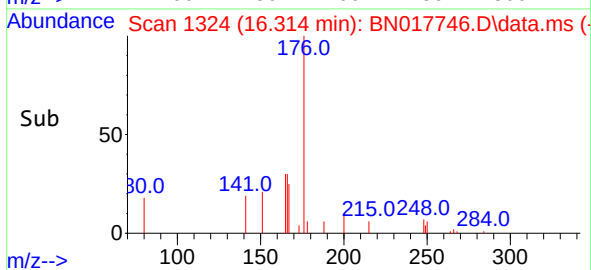
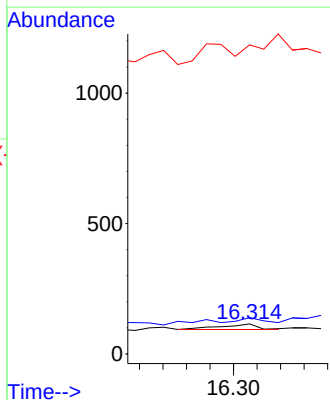
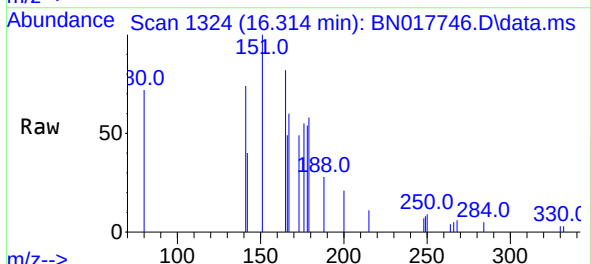
Instrument :
BNA_N
ClientSampleId :
MW-26RE

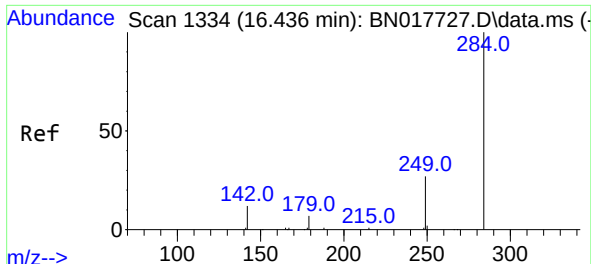
Tgt Ion:188 Resp: 140114
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.2 6.1 9.1



#21
4-Bromophenyl-phenylether
Concen: 0.001 ng
RT: 16.314 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

Tgt Ion:248 Resp: 45
Ion Ratio Lower Upper
248 100
250 120.9 71.8 107.8#
141 1030.4 70.9 106.3#

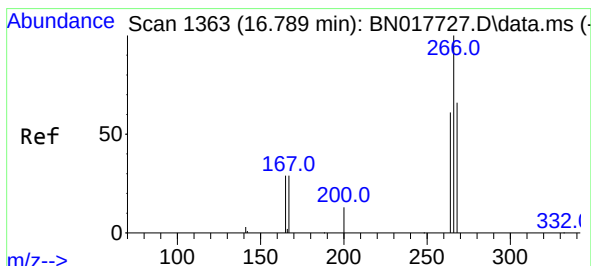
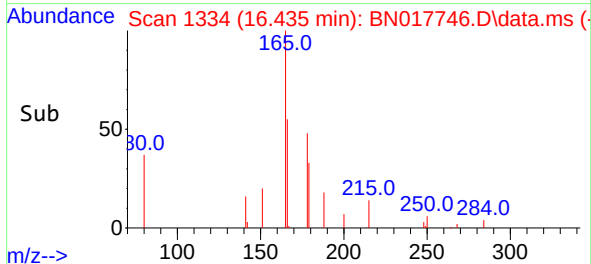
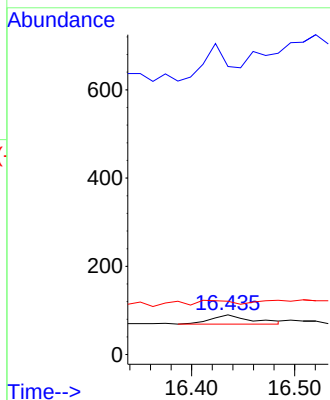
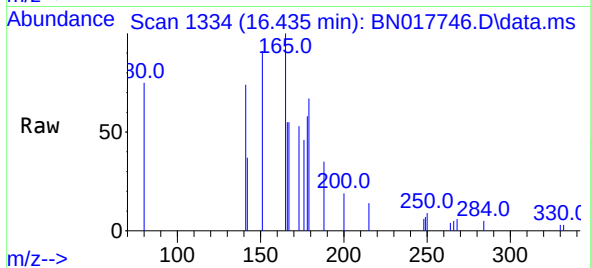




#22
Hexachlorobenzene
Concen: 0.001 ng
RT: 16.435 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

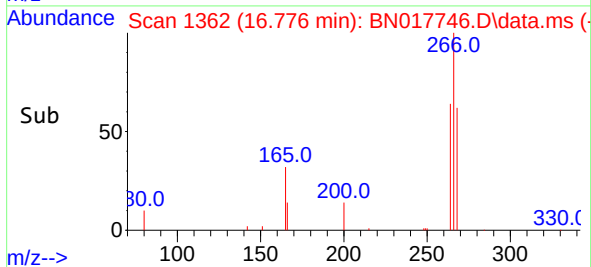
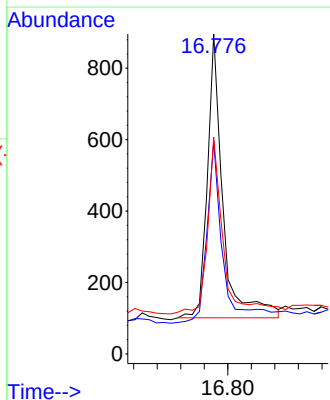
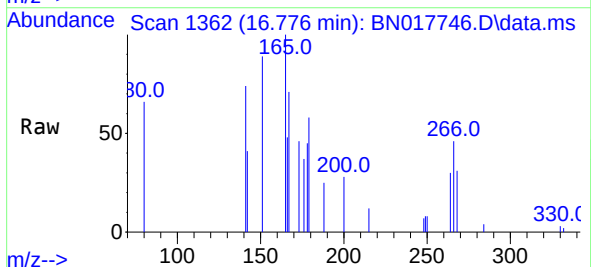
Instrument :
BNA_N
ClientSampleId :
MW-26RE

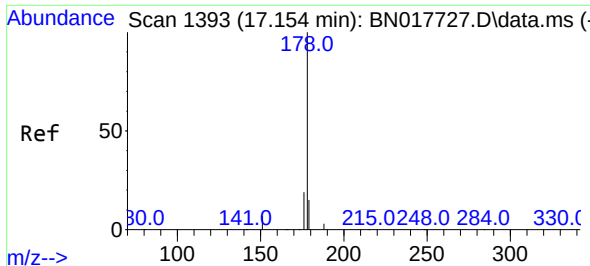
Tgt Ion:284 Resp: 58
Ion Ratio Lower Upper
284 100
142 244.8 28.2 42.2#
249 0.0 24.4 36.6#



#24
Pentachlorophenol
Concen: 0.229 ng
RT: 16.776 min Scan# 1362
Delta R.T. -0.013 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

Tgt Ion:266 Resp: 1452
Ion Ratio Lower Upper
266 100
264 71.1 49.8 74.8
268 59.1 51.3 76.9

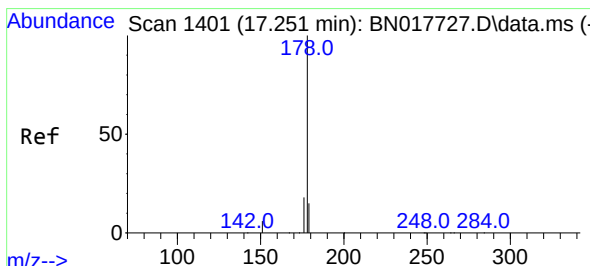
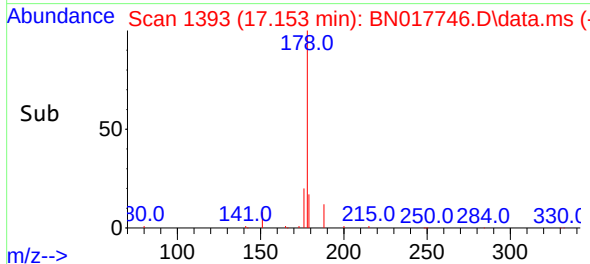
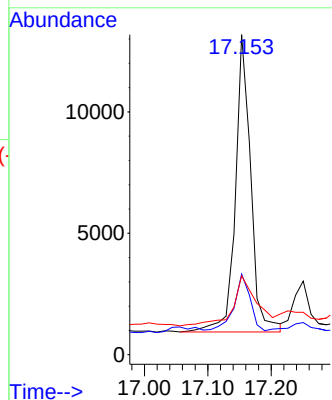
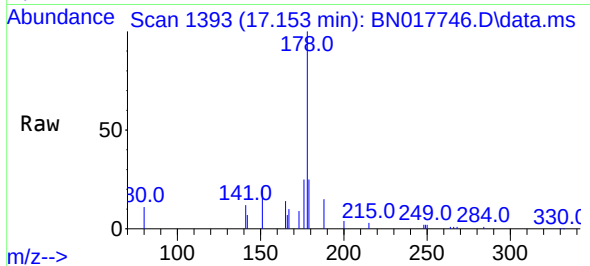




#25
Phenanthrene
Concen: 0.056 ng
RT: 17.153 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

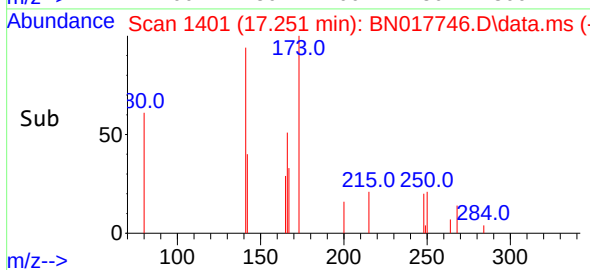
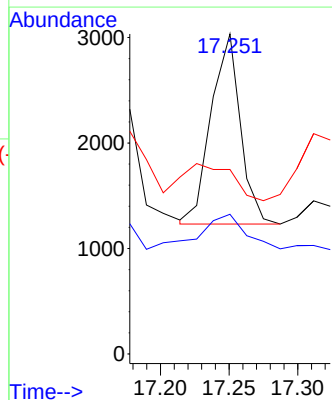
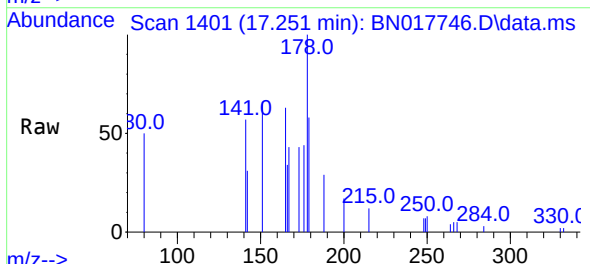
Instrument :
BNA_N
ClientSampleId :
MW-26RE

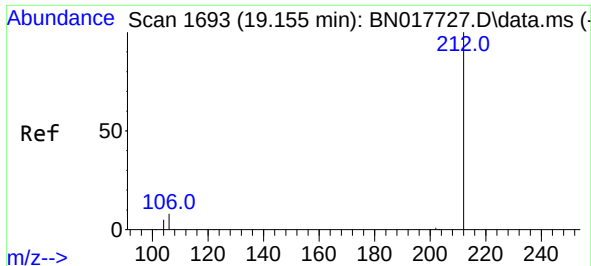
Tgt Ion:178 Resp: 20672
Ion Ratio Lower Upper
178 100
176 23.6 15.0 22.6#
179 25.3 12.3 18.5#



#26
Anthracene
Concen: 0.008 ng
RT: 17.251 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

Tgt Ion:178 Resp: 2679
Ion Ratio Lower Upper
178 100
176 45.3 14.6 22.0#
179 0.0 12.2 18.4#

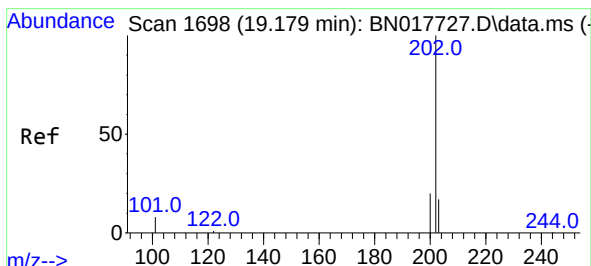
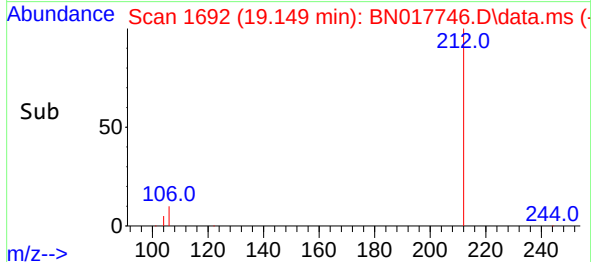
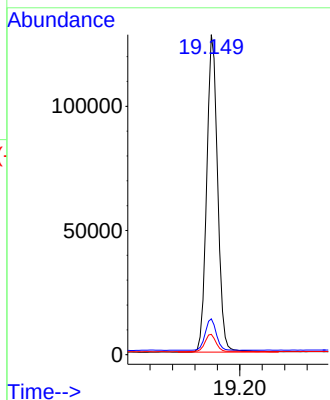
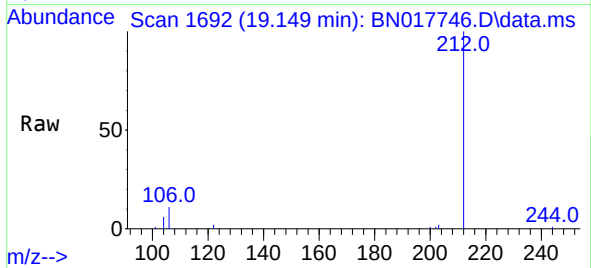




#27
Fluoranthene-d10
Concen: 0.368 ng
RT: 19.149 min Scan# 1692
Delta R.T. -0.005 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

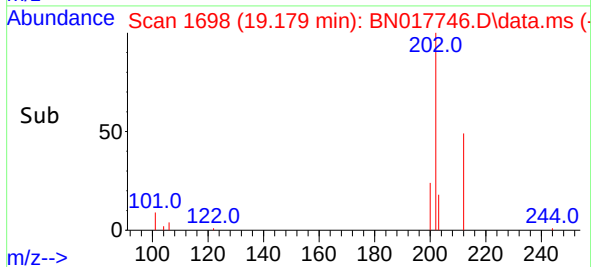
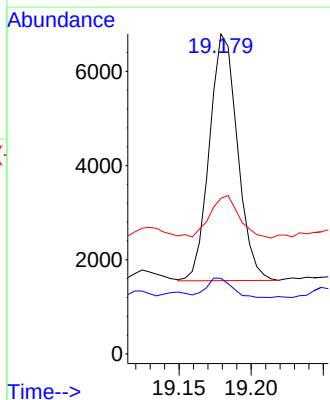
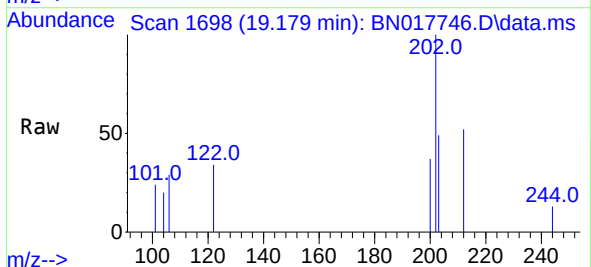
Instrument :
BNA_N
ClientSampleId :
MW-26RE

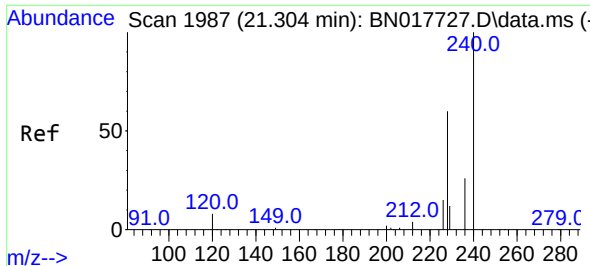
Tgt Ion:212 Resp: 173670
Ion Ratio Lower Upper
212 100
106 9.9 10.5 15.7#
104 5.9 5.8 8.6



#28
Fluoranthene
Concen: 0.016 ng
RT: 19.179 min Scan# 1698
Delta R.T. -0.000 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

Tgt Ion:202 Resp: 7095
Ion Ratio Lower Upper
202 100
101 7.0 8.9 13.3#
203 17.7 13.8 20.6

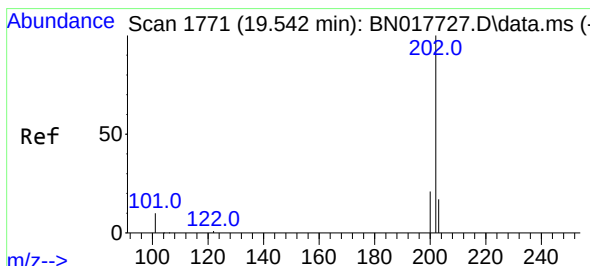
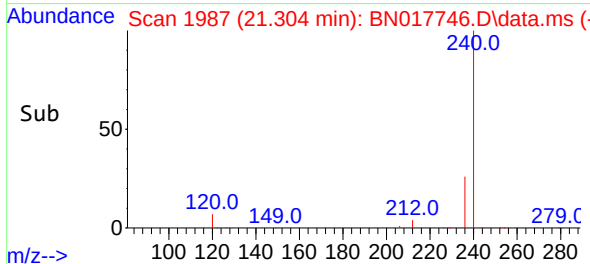
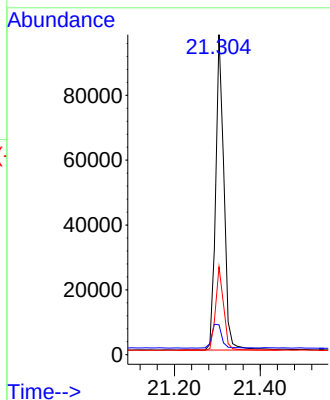
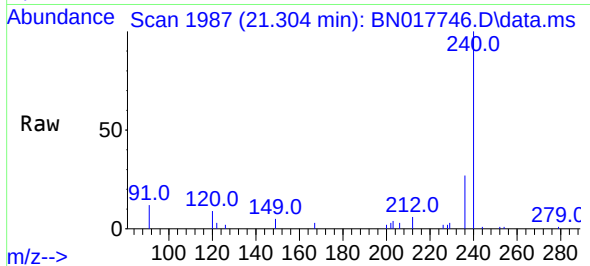




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.304 min Scan# 1987
Delta R.T. -0.000 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

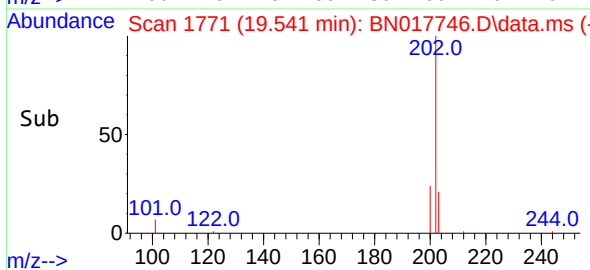
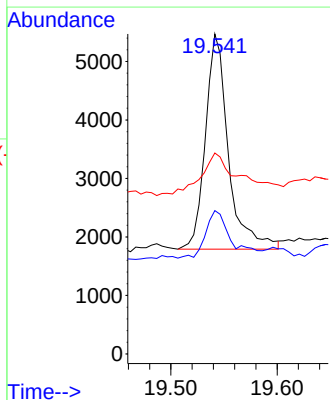
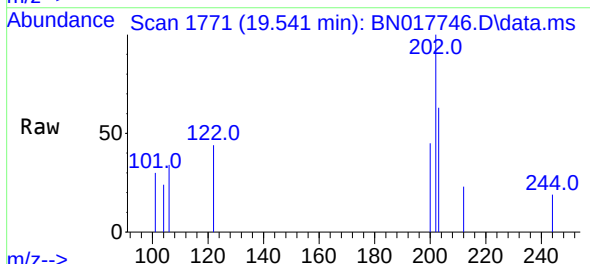
Instrument :
BNA_N
ClientSampleId :
MW-26RE

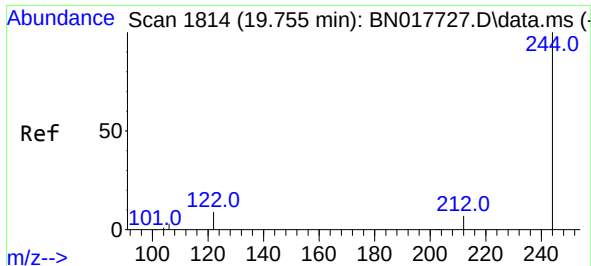
Tgt Ion:240 Resp: 130132
Ion Ratio Lower Upper
240 100
120 9.4 4.2 6.2#
236 27.5 20.0 30.0



#30
Pyrene
Concen: 0.011 ng
RT: 19.541 min Scan# 1771
Delta R.T. -0.000 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

Tgt Ion:202 Resp: 5540
Ion Ratio Lower Upper
202 100
200 22.3 16.5 24.7
203 30.9 14.0 21.0#

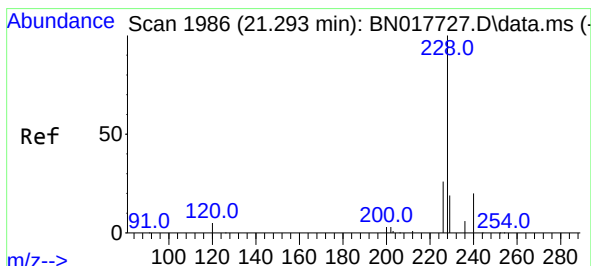
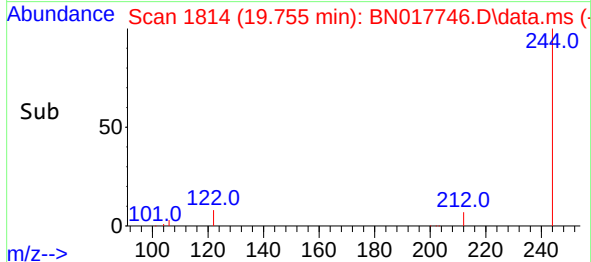
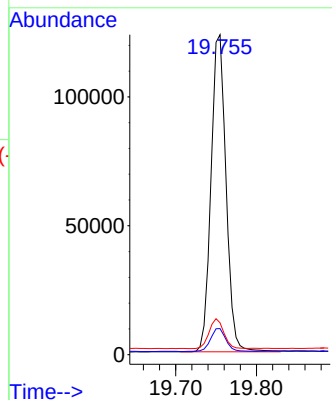
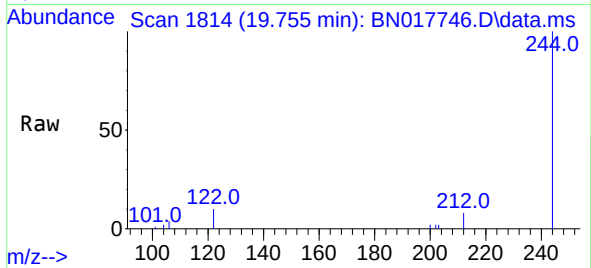




#31
 Terphenyl-d14
 Concen: 0.479 ng
 RT: 19.755 min Scan# 1814
 Delta R.T. -0.000 min
 Lab File: BN017746.D
 Acq: 07 Dec 2021 01:58

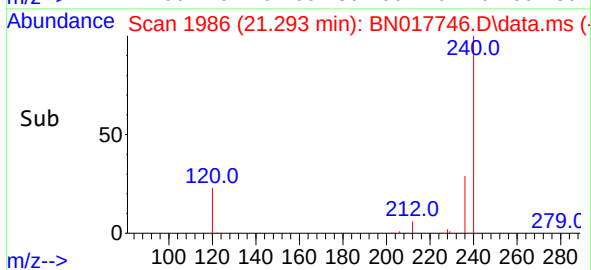
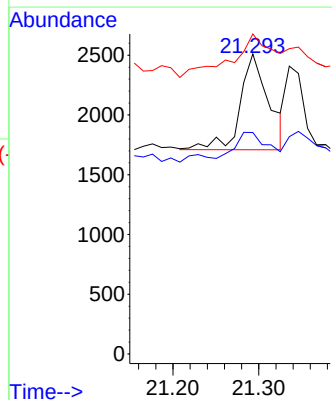
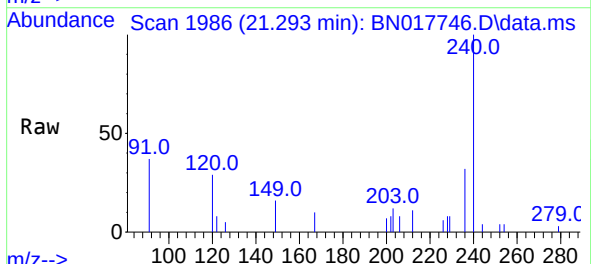
Instrument :
 BNA_N
 ClientSampleId :
 MW-26RE

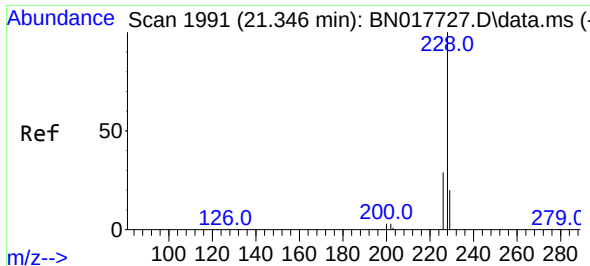
Tgt Ion:244 Resp: 159820
 Ion Ratio Lower Upper
 244 100
 212 8.1 5.7 8.5
 122 9.9 8.6 13.0



#32
 Benzo(a)anthracene
 Concen: 0.005 ng
 RT: 21.293 min Scan# 1986
 Delta R.T. -0.000 min
 Lab File: BN017746.D
 Acq: 07 Dec 2021 01:58

Tgt Ion:228 Resp: 1841
 Ion Ratio Lower Upper
 228 100
 226 73.8 21.3 31.9#
 229 106.7 15.7 23.5#

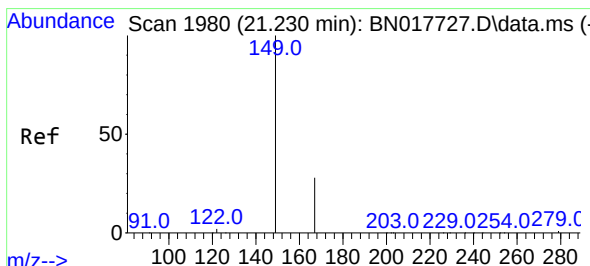
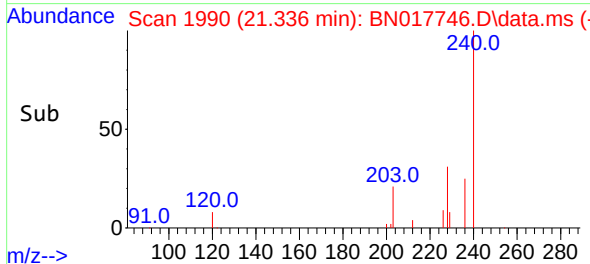
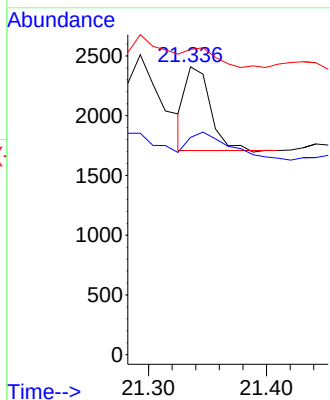
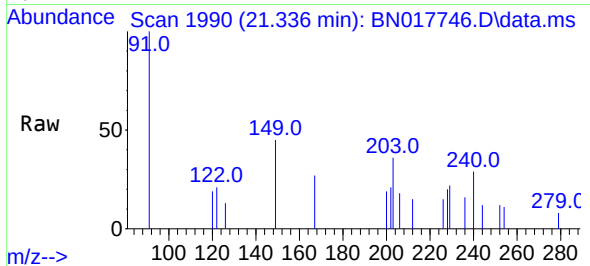




#33
Chrysene
Concen: 0.002 ng
RT: 21.336 min Scan# 1990
Delta R.T. -0.011 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

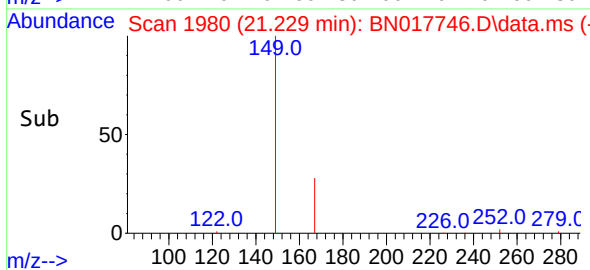
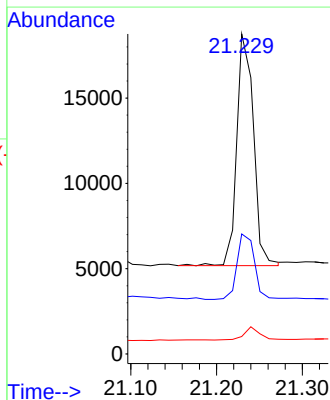
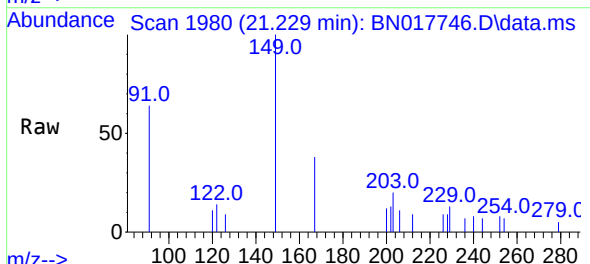
Instrument :
BNA_N
ClientSampleId :
MW-26RE

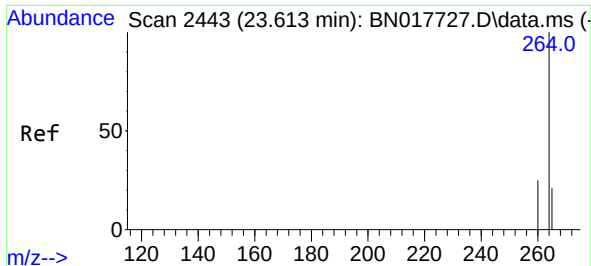
Tgt Ion:228 Resp: 1012
Ion Ratio Lower Upper
228 100
226 75.5 23.3 34.9#
229 106.1 15.6 23.4#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.089 ng
RT: 21.229 min Scan# 1980
Delta R.T. -0.000 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

Tgt Ion:149 Resp: 18335
Ion Ratio Lower Upper
149 100
167 29.8 21.8 32.6
279 5.4 3.4 5.0#

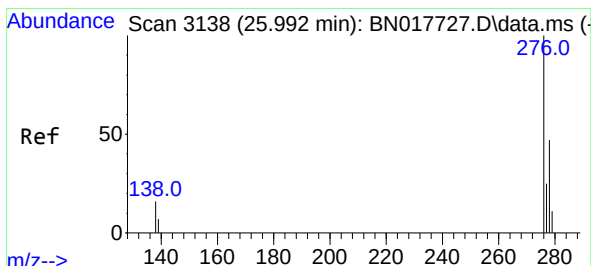
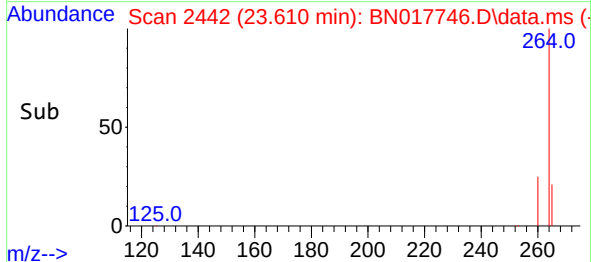
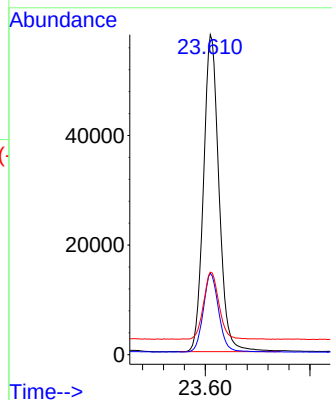
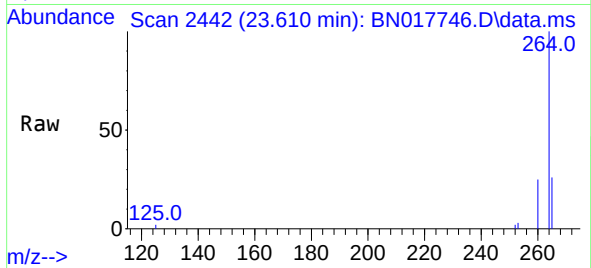




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.610 min Scan# 2443
Delta R.T. -0.004 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

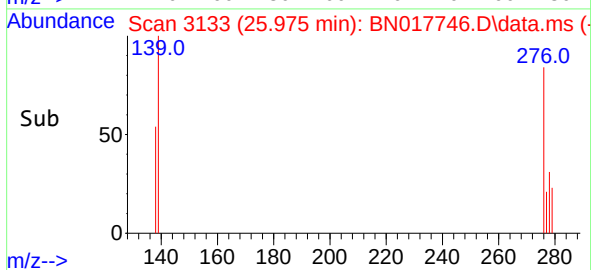
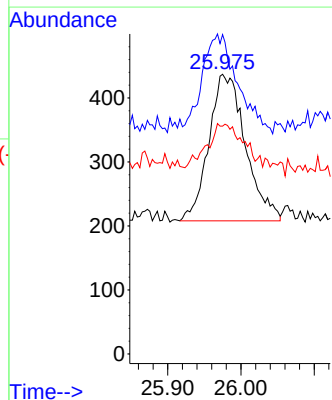
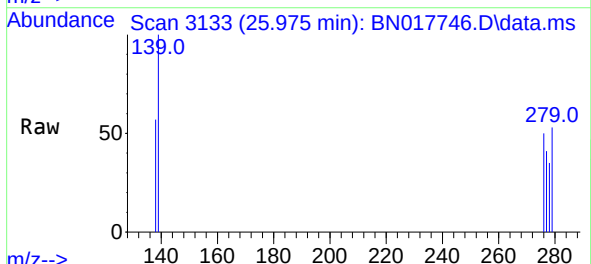
Instrument :
BNA_N
ClientSampleId :
MW-26RE

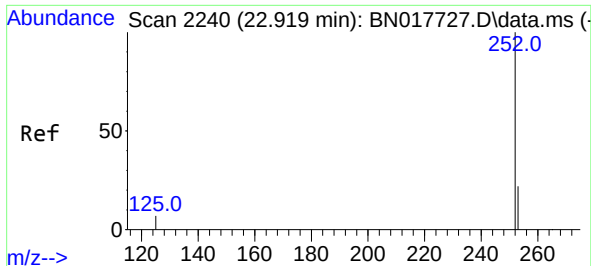
Tgt Ion:264 Resp: 118987
Ion Ratio Lower Upper
264 100
260 25.5 19.4 29.2
265 25.8 18.6 28.0



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.003 ng
RT: 25.975 min Scan# 3133
Delta R.T. -0.017 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

Tgt Ion:276 Resp: 797
Ion Ratio Lower Upper
276 100
138 66.1 19.7 29.5#
277 8.2 20.0 30.0#

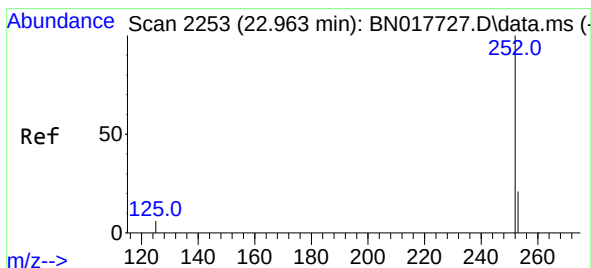
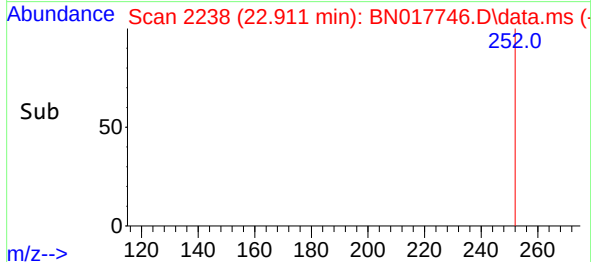
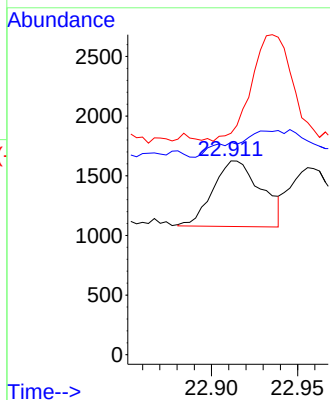
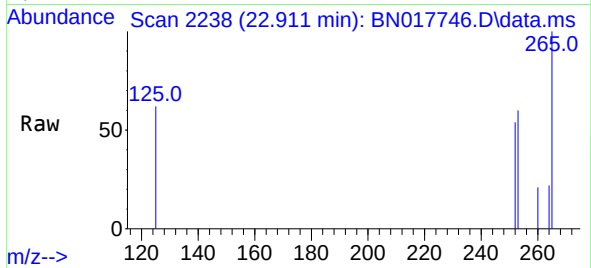




#37
Benzo(b)fluoranthene
Concen: 0.003 ng
RT: 22.911 min Scan# 21
Delta R.T. -0.007 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

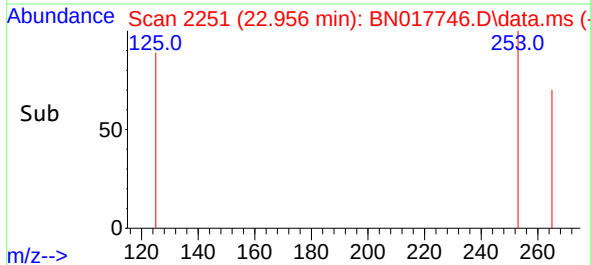
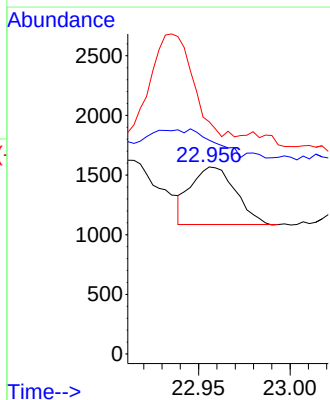
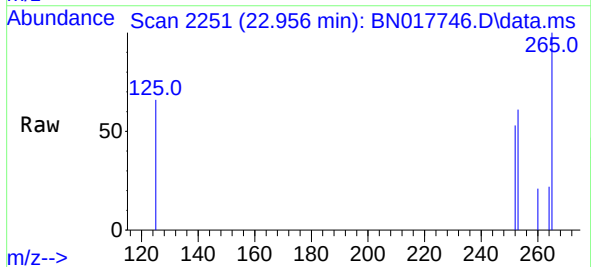
Instrument :
BNA_N
ClientSampleId :
MW-26RE

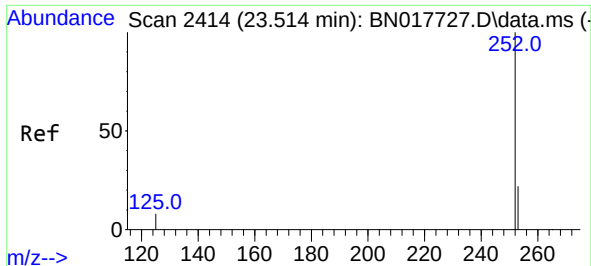
Tgt Ion:252 Resp: 1077
Ion Ratio Lower Upper
252 100
253 109.5 17.7 26.5#
125 114.3 7.8 11.8#



#38
Benzo(k)fluoranthene
Concen: 0.002 ng
RT: 22.956 min Scan# 2251
Delta R.T. -0.007 min
Lab File: BN017746.D
Acq: 07 Dec 2021 01:58

Tgt Ion:252 Resp: 820
Ion Ratio Lower Upper
252 100
253 114.3 17.7 26.5#
125 124.2 8.2 12.2#





#39

Benzo(a)pyrene

Concen: 0.003 ng

RT: 23.510 min Scan# 2414

Delta R.T. -0.004 min

Lab File: BN017746.D

Acq: 07 Dec 2021 01:58

Instrument :

BNA_N

ClientSampleId :

MW-26RE

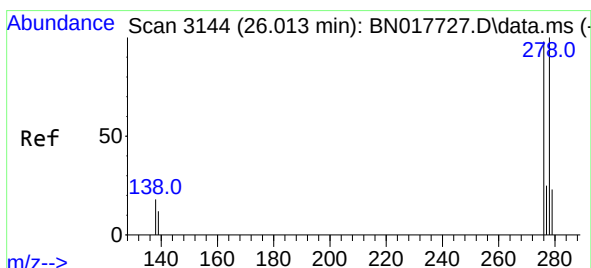
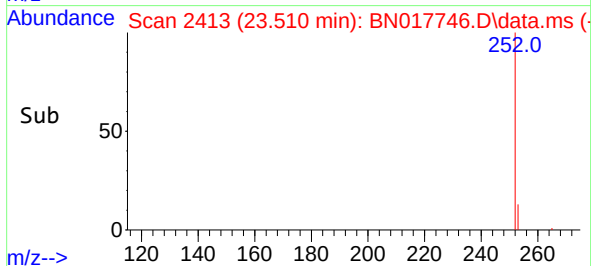
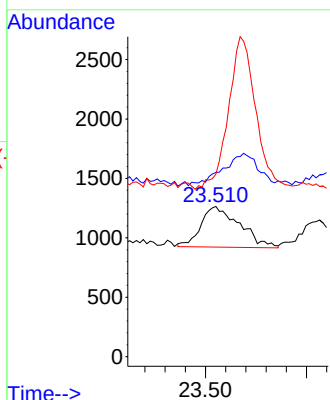
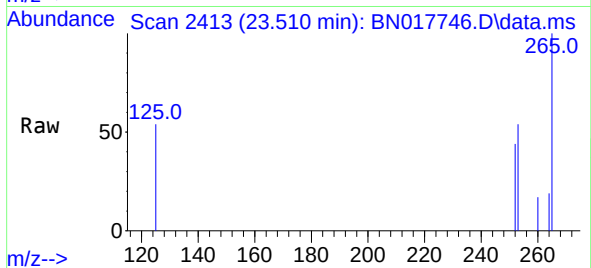
Tgt Ion:252 Resp: 907

Ion Ratio Lower Upper

252 100

253 122.7 17.9 26.9#

125 121.6 9.2 13.8#



#40

Dibenzo(a,h)anthracene

Concen: 0.003 ng

RT: 25.999 min Scan# 3140

Delta R.T. -0.014 min

Lab File: BN017746.D

Acq: 07 Dec 2021 01:58

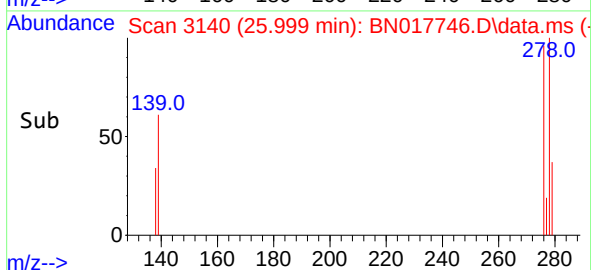
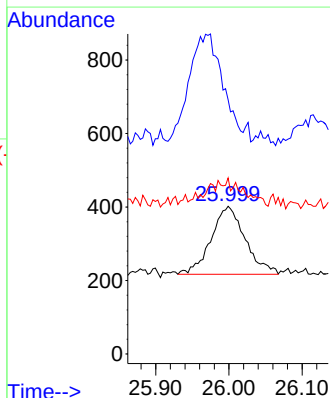
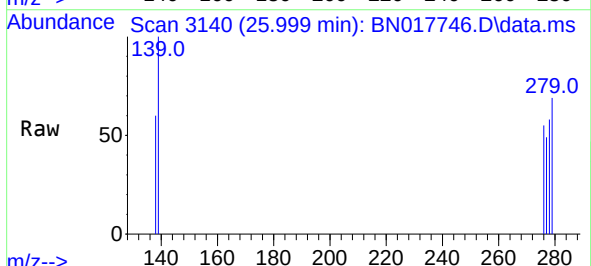
Tgt Ion:278 Resp: 597

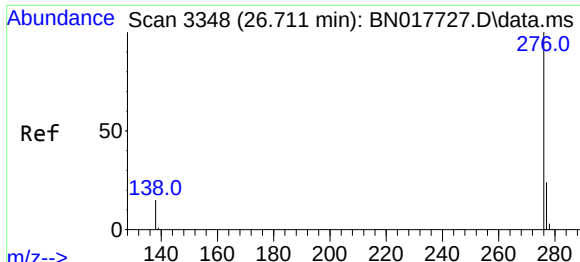
Ion Ratio Lower Upper

278 100

139 172.1 13.0 19.6#

279 119.2 19.2 28.8#





#41

Benzo(g,h,i)perylene

Concen: 0.003 ng

RT: 26.700 min Scan# 31

Delta R.T. -0.011 min

Lab File: BN017746.D

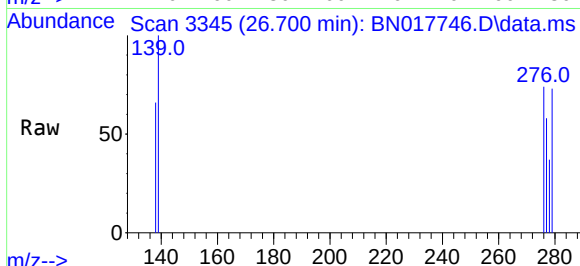
Acq: 07 Dec 2021 01:58

Instrument :

BNA_N

ClientSampleId :

MW-26RE



Tgt Ion:276 Resp: 664

Ion Ratio Lower Upper

276 100

277 78.4 19.0 28.4#

138 88.3 17.1 25.7#

